FOLSOM PLAN AREA

STORM DRAINAGE MASTER PLAN STORM

VOLUME 2

(APPENDIX)

CITY OF FOLSOM, CA

JULY 11, 2014

NAVD 1988 Datum

PREPARED FOR:
CITY OF FOLSOM
PUBLIC WORKS DEPARTMENT
50 NATOMA STREET
FOLSOM, CA 95630

PROJECT DEVELOPER:
FOLSOM PLAN AREA OWNERS GROUP
C/O MACKAY & SOMPS CIVIL ENGINEERS
1552 EUREKA ROAD, SUITE 100
Roseville, CA 95661-3040

PREPARED BY:
MACKAY & SOMPS CIVIL ENGINEERS
1552 EUREKA ROAD, SUITE 100
ROSEVILLE, CA 95661-3040

PROJECT TEAM:
JIM RAY, PE — PRINCIPAL ENGINEER
KEN GIBERSON, PE — PRINCIPAL ENGINEER
CRAIG ZOLLER, PE — PROJECT ENGINEER

Folsom Plan Area Project Information:

Storm Drainage Master Plan Approving Agency:	City of Folsom Public Works Department 50 Natoma Street Folsom, CA 95630
Folsom Plan Area Project Developer:	Folsom Plan Area Owners Group c/o Mackay & Somps Civil Engineers 1552 Eureka Road, Suite 100 Roseville, CA 95661-3040
City of Folsom Planning No.	
Project Assessor's Parcel Numbers:	072-0060-007, 012, 073 thru 085, 072-0070-006, 021(ptn), 0320, 072-0270-138, 147, 072-0231-048, 072-3190-001 thru 009
Storm Drainage Master Plan Engineer:	Mr. Ken Giberson, PE MacKay & Somps Civil Engineers 1552 Eureka Road, Suite 100 Roseville, CA 95661-3040 Job No.: 7919.00
Storm Drainage Master Plan Engineers Seal:	

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Appendix A: Existing Conditions SacCalc

Sacramento Hydrologic Calculator Report

January 16, 2014 16:41

Project Title: Folsom
Comments: Existing Folsom Plan Area 8-15-2012
Prepared by: Mackay and Somps

Method: Sacramento County HEC-1 method
Date: 8/15/2012

Watershed Hydrologic Summary Data

Watershed	Area (acres)	Mean Elevation (ft)	Lag Times		Basin "n"		Loss Rates		Percent Impervious	
			Method	Lag Time (min)	Method	Basin "n"	Method	Loss Rate (in/hr)	Method	Impervious Area (%)
AC48	71.62	268	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC47	82.88	302.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC46	15.74	277.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC45	20.26	274.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC42	18.17	292.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC38	12.55	310	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC37	30.62	310	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC44	46.18	312.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC43	107.26	344	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC41	26.55	296	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC40	43.02	328.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC39	111.26	351.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC36	40.3	321	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC35	70.1	304.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC34	7.27	319.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC26	14.25	318	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC33	182.5	387.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC32	138.42	358.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC27	91.02	611	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC28	116.74	438.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC29	67.17	391	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC30	13.24	435.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC31	67.23	373	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC23	108.47	335.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC25	37.16	336	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC24	42.21	365	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC22	106.73	351	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC21A	132.4	362.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC20	409.47	440	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC19	12.32	355.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC18	60.9	360	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC17	44.64	367	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC11	52.73	368	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC16	119.68	424	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC13	31.24	460.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC15	52.85	474	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC12	161.4	643.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC14	83.53	618.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC09	172.54	440.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC08A	23.51	405	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC07	24.46	424	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC06	204.1	443	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC03	59.88	476	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC01	96.9	550	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC02	13.65	558.8	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC05	37.51	581	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC04	29.08	609.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC10	70.92	416.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
OFF8	1042.4	350	Specified	50	-	-	Computed	-	Computed	-
OFF6	357.01	500	Specified	35	-	-	Computed	-	Computed	-
OFF9D	348.4	320	Specified	45	-	-	Computed	-	Computed	-
OFF9E1	18.9	315	Basin "n"	-	Specified	.115	Computed	-	Computed	-
OFF9F1	7.5	320	Specified	10	-	-	Computed	-	Computed	-
OFF9F2	19.7	340	Specified	20	-	-	Computed	-	Computed	-
OFF9F3	25.4	340	Specified	20	-	-	Computed	-	Computed	-
AC49A	41.14	344.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
BC02	147.33	346	Basin "n"	-	Computed	-	Computed	-	Computed	-

BC01	33.96	357.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
CYC01	95.53	372	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC01A	156	690	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC02	47.76	697.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC03	223.73	666.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC01B	36.88	694.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC49B	85.98	332.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC21B	6.04	346	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC08B	23.57	403	Basin "n"	-	Computed	-	Computed	-	Computed	-

Basin "n" Method Data for Lag Time Computation

Watershed	Channel Length (ft)	Centroid Length (ft)	Slope (ft/ft)	Channelization	Land Use Impervious Area Percent (% or acres) 95	90	85	80	75	70	60	50	40	30	25	20	15	10	5	2	1	1*
AC48	2612	764	.0276	Undeveloped	0															65.01		
				Developed	6.62															0		
AC47	2768	799	.0415	Undeveloped	0															81.38		
				Developed	1.51															0		
AC46	1647	782	.0358	Undeveloped	0															14.25		
				Developed	1.5															0		
AC45	1287	561	.0381	Undeveloped																20.26		
				Developed																0		
AC42	953	287	.0787	Undeveloped																18.17		
				Developed																0		
AC38	892	337	.0605	Undeveloped	0															10.82		
				Developed	1.73															0		
AC37	2007	663	.0518	Undeveloped	0															29.02		
				Developed	1.6															0		
AC44	2914	1312	.0381	Undeveloped																46.18		
				Developed																0		
AC43	4583	2005	.0196	Undeveloped																107.26		
				Developed																0		
AC41	1774	611	.0372	Undeveloped																26.55		
				Developed																0		
AC40	1840	579	.0440	Undeveloped																43.02		
				Developed																0		
AC39	4212	1784	.0197	Undeveloped																111.26		
				Developed																0		
AC36	2192	771	.0484	Undeveloped	0															37.84		
				Developed	2.47															0		
AC35	2668	1115	.0296	Undeveloped																70.1		
				Developed																0		
AC34	980	393	.0724	Undeveloped																7.27		
				Developed																0		
AC26	1153	581	.0590	Undeveloped																14.25		
				Developed																0		
AC33	9464	3365	.0179	Undeveloped	0															166.55		
				Developed	15.95															0		
AC32	4359	1972	.0255	Undeveloped																138.42		
				Developed																0		
AC27	4439	1383	.0743	Undeveloped	0															82.09		
				Developed	8.94															0		
AC28	3458	1412	.0223	Undeveloped	0															114.46		
				Developed	2.28															0		
AC29	3151	1540	.026	Undeveloped	0															66.37		
				Developed	0.8															0		
AC30	1189	331	.0563	Undeveloped	0															13		
				Developed	0.23															0		
AC31	3325	1576	.0138	Undeveloped	0															66.82		
				Developed	0.41															0		
AC23	5028	2338	.0189	Undeveloped																108.47		
				Developed																0		
AC25	2285	805	.0403	Undeveloped																37.16		
				Developed																0		
AC24	2455	947	.0244	Undeveloped																42.21		
				Developed																0		
AC22	3846	1458	.0151	Undeveloped	0															106.41		
				Developed	0.32															0		
AC21A	4727	1545	.0038	Undeveloped	0															131.51		
				Developed	0.89															0		
AC20	12330	6578	.0152	Undeveloped	0															408.88		
				Developed	0.58															0		
AC19	1422	782	.0401	Undeveloped																12.32		
				Developed																0		
AC18	2371	806	.0253	Undeveloped																60.9		
				Developed																0		
AC17	3175	1659	.0183	Undeveloped	0															44.35		
				Developed	0.28															0		
AC11	3984	843	.0151	Undeveloped	0															51.99		

				Developed	0.74														0		
AC16	4504	1936	.0235	Undeveloped	0														119.21		
				Developed	0.47														0		
AC13	2115	948	.0336	Undeveloped	0														30.9		
				Developed	0.34														0		
AC15	2708	1329	.0362	Undeveloped	0														51.9		
				Developed	0.95														0		
AC12	4356	1984	.0764	Undeveloped															161.4		
				Developed															0		
AC14	3099	1321	.0797	Undeveloped															83.53		
				Developed															0		
AC09	7400	2719	.0226	Undeveloped	0														171.15		
				Developed	1.39														0		
AC08A	1869	836	.0264	Undeveloped	0														23.34		
				Developed	0.17														0		
AC07	1858	683	.0431	Undeveloped	0														24.3		
				Developed	0.17														0		
AC06	6069	3400	.0175	Undeveloped	0														203.06		
				Developed	1.04														0		
AC03	2545	946	.0369	Undeveloped	0														58.29		
				Developed	1.6														0		
AC01	2744	1311	.0652	Undeveloped															100		
				Developed															0		
AC02	1262	741	.1022	Undeveloped	0														13.4		
				Developed	0.25														0		
AC05	2440	748	.0730	Undeveloped	0														37		
				Developed	0.51														0		
AC04	1271	550	.1031	Undeveloped	0														28.8		
				Developed	0.29														0		
AC10	3817	1773	.0317	Undeveloped	0														70.67		
				Developed	0.25														0		
OFF9E1	600	500	.04	Undeveloped	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				Developed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AC49A	1429.94	620.96	.0511	Undeveloped	0														40.72		
				Developed	0.43														0		
BC02	4826	2068	.0178	Undeveloped	0														146.18		
				Developed	1.15														0		
BC01	1722	638	.0285	Undeveloped	0														33.61		
				Developed	0.34														0		
CYC01	3000	1221	.016	Undeveloped	0														94.9		
				Developed	0.63														0		
CC01A	2864.58	1247.28	0.0628	Undeveloped	0														146.85		
				Developed	9.16														0		
CC02	2025.3	496.97	0.0983	Undeveloped															47.76		
				Developed															0		
CC03	5359	2141	.05336	Undeveloped	0														222.85		
				Developed	0.88														0		
CC01B	1432.36	808	0.1431	Undeveloped															36.88		
				Developed															0		
AC49B	2218.55	912.4	0.0212	Undeveloped	0														85.54		
				Developed	0.44														0		
AC21B	1185	547	0.0397	Undeveloped															6.04		
				Developed															0		
AC08B	1298	570	0.0339	Undeveloped		0													23.38		
				Developed		0.19													0		

Refer to the Drainage manual for Land Use Impervious Area Percent

*Dense Oaks, Shrubs, Vines

Infiltration Loss Rate Data

Watershed	Soil Cover Group	Land Use Impervious Area Percent (% or acres)																	
		95	90	85	80	75	70	60	50	40	30	25	20	15	10	5	2	1	1*
AC48	B																		
	C	1.54															52.96		
	D	5.08															12.05		
AC47	B																1.66		
	C	0.3															69.8		
	D	1.2															9.91		
AC46	B																		
	C																1.21		
	D	1.5															13.04		
AC45	B																		
	C																13.52		
	D																6.74		
AC42	B																		
	C																4.95		
	D																13.22		
AC38	B																		
	C																		
	D	1.73															10.82		
AC37	B																		
	C																		
	D	1.6															29.02		
AC44	B																2.86		
	C																0.41		
	D																42.91		
AC43	B																25.64		
	C																		
	D																81.62		
AC41	B																		
	C																		
	D																26.55		
AC40	B																		
	C																		
	D																43.02		
AC39	B																		
	C																		
	D																111.26		
AC36	B																		
	C																		
	D	2.47															37.84		
AC35	B																		
	C																		
	D																70.1		
AC34	B																		
	C																		
	D																7.27		
AC26	B																		
	C																		
	D																14.25		
AC33	B																		
	C																		
	D	15.95															166.55		
AC32	B																		
	C																		
	D																138.42		
AC27	B																		
	C																		
	D	8.94															82.09		
AC28	B																		
	C																		
	D	2.28															114.46		
	B																		

AC29	C																		
	D	0.8															66.37		
AC30	B																		
	C																		
	D	0.23															13		
AC31	B																		
	C																		
	D	0.41															66.82		
AC23	B																		
	C																		
	D																108.47		
AC25	B																		
	C																		
	D																37.16		
AC24	B																		
	C																		
	D																42.21		
AC22	B																		
	C																		
	D	0.32															106.41		
AC21A	B																		
	C																		
	D	0.89															131.51		
AC20	B																		
	C																		
	D	0.58															408.88		
AC19	B																		
	C																		
	D																12.32		
AC18	B																		
	C																		
	D																60.9		
AC17	B																		
	C																		
	D	0.28															44.35		
AC11	B																		
	C																		
	D	0.74															51.99		
AC16	B																		
	C																		
	D	0.47															119.21		
AC13	B																		
	C																		
	D	0.34															30.9		
AC15	B																		
	C																		
	D	0.95															51.9		
AC12	B																		
	C																		
	D																161.4		
AC14	B																		
	C																		
	D																83.53		
AC09	B																		
	C																		
	D	1.39															171.15		
AC08A	B																		
	C																		
	D	0.17															23.34		
AC07	B																		
	C																		
	D	0.17															24.3		
AC06	B																		
	C																		
	D	1.04															203.06		

AC03	B																		
	C																		
	D	1.6															58.29		
AC01	B																		
	C																		
	D																100		
AC02	B																		
	C																		
	D	0.25															13.4		
AC05	B																		
	C																		
	D	0.51															37		
AC04	B																		
	C																		
	D	0.29															28.8		
AC10	B																		
	C																		
	D	0.25															70.67		
OFF8	B																		
	C																		
	D		311.7	94.5	20.2		54.2		371.7								190.1		
OFF6	B																		
	C																		
	D		137.08	99.47	22.06		15.12		80.07								3.21		
OFF9D	B																		
	C																		
	D		16.5	21.2	4.8		4.1		238.8								63		
OFF9E1	B																		
	C																		
	D		18.9																
OFF9F1	B																		
	C																		
	D		4.9		2.6														
OFF9F2	B																		
	C																		
	D		10.4		8.5				0.8										
OFF9F3	B																		
	C																		
	D		15.7		9.7														
AC49A	B																17.13		
	C																4.12		
	D	0.43															19.47		
BC02	B																		
	C	0.24															33.16		
	D	0.92															113.01		
BC01	B																		
	C	0.07															18.77		
	D	0.27															14.84		
CYC01	B																		
	C																		
	D	0.63															94.9		
CC01A	B																		
	C																		
	D	9.16															146.85		
CC02	B																		
	C																		
	D																47.76		
CC03	B																		
	C																		
	D	0.88															222.85		
CC01B	B																		
	C																		
	D																36.88		
AC49B	B																9.1		
	C																		

	D	0.44															76.44		
AC21B	B																		
	C																		
	D																6.04		
AC08B	B																		
	C																		
	D		0.19														23.38		

Refer to the help file for Land Use Impervious Area Percent

*Dense Oaks, Shrubs, Vines

Hydrograph Routing – Muskingum–Cunge (Standard)

Routing ID	Route From	Route To	Channel Type	Length (ft)	Slope (ft/ft)	Width or Diameter (ft)	Side Slope (H:V)	Mannings "n"
AC43R	AC43	A43A44	Trapezoidal	1895	.02220	5	5:1	.025
AC39R	A39DET	A39A40	Trapezoidal	982	.01430	025	5:1	.0250
AC40R	A39A40	A40A41	Trapezoidal	1462	.01710	25	3:1	.025
AC24R	A24DET	A24A25	Trapezoidal	1539	.0221	5	4:1	.025
AC4R	AC04	A04A05	Trapezoidal	970	.0495	15	20:1	.0250
AC5R	A04A05	AC5R2	Trapezoidal	4002	.02	15	12:1	.0250
AC27R	A27DET	A27A28	Trapezoidal	2753	.0153	5	16:1	.0250
AC28R	A28DET	A28A29	Trapezoidal	2594	.0181	25	7:1	.025
AC31R	A29A31	A31A32	Trapezoidal	2822	.0167	10	1:6	.0250
AC30R	A30DET	A30A31	Trapezoidal	3564	.01460	25	12:1	.0250
OFF8R	OF8DET	A38O8	Trapezoidal	648	.0123	160	4:1	.025
RAC1	JA1	ALDER	Trapezoidal	2250	.006	150	4:1	.03
RAC2	JA2	JA1	Trapezoidal	1000	.002	200	4:1	.03
RAC3	JA3	JA2	Trapezoidal	1100	.007	200	4:1	.03
RAC4	JA4	JA3	Trapezoidal	500	.004	100	4:1	.03
RAC5	JA5	JA4	Trapezoidal	1220	.007	30	4:1	.025
RAC6	JA6	JA5	Trapezoidal	2660	.008	30	4:1	.025
RAC6O6	OF6DET	A32A33	Trapezoidal	2550	.013	8	4:1	.025
RA34	A32A33	JA6	Trapezoidal	720	.031	8	3:1	.025
RAC7	JA7	JA6	Trapezoidal	500	.01	12	4:1	.025
RAC8	JA8	JA7	Trapezoidal	4450	.007	12	4:1	.025
RA20D	A20DET	JA8	Trapezoidal	3250	.0070	8	4:1	.025
RAC9	JA9	JA8	Trapezoidal	1000	.0070	12	4:1	.0250
RAC10	JA10	JA9	Trapezoidal	1600	.0070	12	4:1	.0250
RA10	A10DET	JA10	Trapezoidal	2000	.0080	6	4:1	.0250
RAC11	JA11	JA10	Trapezoidal	2650	.0120	8	4:1	.0250
RAC12	JA12	JA11	Trapezoidal	3150	.0170	5	4:1	.0250
RAC13	A12DET	JA12	Trapezoidal	2450	.025	3	6:1	.025
RAC14	A14DET	JA12	Trapezoidal	2200	.0230	3	6:1	.025
RAC15	DEAC1D	JA10	Trapezoidal	2900	.007	6	4:1	.0250
RAC16	JA16	JA15	Trapezoidal	3250	.008	5	5:1	.025
RAC17	JA17	JA16	Trapezoidal	6260	.016	5	5:1	.025
AC5R2	AC5R	JA16	Trapezoidal	3260	.016	5	5:1	.025
RAC18	JA18	JA17	Trapezoidal	2000	.0290	3	6:1	.0250

Detention Basin Data

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
OF6DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.4	1.09	2.32	4.54	7.83	12.26	18.19			-	-	-	-
			Discharge (cfs)	0	23	54	96	144	195	258	324			-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
OF8DET	Volume (ac-ft)	0	Volume (ac-ft)	0	2.14	7.08	10.91	15.21	19.84	24.92	30.37	61.4		-	-	-	-
			Discharge (cfs)	0	251	520	640	768	880	960	1040	1392		-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A12DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.01	0.035	0.44	0.84	1.85	2.85	2.9	3		-	-	-	-
			Discharge (cfs)	0	35	48.3	60	70	78.7	87	130	300		-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A14DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.01	0.04	0.31	0.58	1.25	1.93	3.39	3.5		-	-	-	-
			Discharge (cfs)	0	16.8	30	40	46.5	53.5	60	66	200		-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
	Volume	0	Volume (ac-ft)	0	0.01	0.13	0.55	0.98	1.54	1.6	1.7			-	-	-	-

	(ac-ft)		Discharge (cfs)	0	13	20	26	31	35	100	300			-	-	-	-
A01DET	Pump Data																	
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5		
			Pump Discharge (cfs)															
			Elevation at which Pump Turns On (ft)															
			Elevation at which Pump Turns Off (ft)															

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A20DET	Elevation (ft)	0	Elevation (ft)	0	2	3	4	5	6	7	8	9	10	0	11.3	1	0.5
			Area (ac)	0	0.05	0.18	0.36	0.7	1.16	1.6	2.26	2.9	3.93	9.5	20	1	1.5
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A27DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.005	0.01	0.16	0.3	0.74	0.9	1			-	-	-	-
			Discharge (cfs)	0	13	20	26	31	35	100	300			-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
OF9DET	Elevation (ft)	268.5	Elevation (ft)	268.5	269	270	271	272	274	276	278	280	285	268.5	7.07	.72	0.5
			Area (ac)	1.4	1.6	1.7	1.8	2	2.2	3.6	4.2	5.9	7.6	278	40	2.64	1.5
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
O92DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.05	0.18	0.42	0.77	1.23	1.8	2.49			-	-	-	-
			Discharge (cfs)	0	2.1	5.08	8.72	12.92	29.14	36.96	43.21			-	-	-	-
	Pump Data																
	Pump Hydrograph Name							Pump 1		Pump 2		Pump 3		Pump 4		Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns														

			On (ft)													
			Elevation at which Pump Turns Off (ft)													

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
O93DET	Volume (ac-ft)	0	Volume (ac-ft)	0	0.03	0.08	0.17	0.29	0.45	0.65	0.9	1.22	1.6	-	-	-	-
			Discharge (cfs)	0	2.85	4.27	5.71	6.84	7.76	13.3	15.99	18.17	20.06	-	-	-	-

Pump Data							
Pump Hydrograph Name		Pump 1	Pump 2	Pump 3	Pump 4	Pump 5
	Pump Discharge (cfs)					
	Elevation at which Pump Turns On (ft)					
	Elevation at which Pump Turns Off (ft)					

Detention Basin	Initial Condition		Pond Storage Relation										Outlet Data			
													Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A10DET	Elevation (ft)	0	Elevation (ft)	355	356	358	360	362	364					355	7.07	1	0.5
			Area (ac)	0.01	0.08	0.0922	0.373	0.86	1.74					363	50	1	1.5

Pump Data						
Pump Hydrograph Name		Pump 1	Pump 2	Pump 3	Pump 4	Pump 5
	Pump Discharge (cfs)					
	Elevation at which Pump Turns On (ft)					
	Elevation at which Pump Turns Off (ft)					

Detention Basin	Initial Condition		Pond Storage Relation										Outlet Data			
													Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A24DET	Elevation (ft)	335	Elevation (ft)	335	336	338	340							0	0	1	0.5
			Area (ac)	0	1.89	2.4	3.69							339	165	1	1.5

Pump Data						
Pump Hydrograph Name		Pump 1	Pump 2	Pump 3	Pump 4	Pump 5
	Pump Discharge (cfs)					
	Elevation at which Pump Turns On (ft)					
	Elevation at which Pump Turns Off (ft)					

Detention Basin	Initial Condition		Pond Storage Relation										Outlet Data			
													Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A39DET	Volume (ac-ft)	0	Volume (ac-ft)	0	1.94	2.71	3.15							-	-	-	-
			Discharge (cfs)	0	1	48	372							-	-	-	-

Pump Data						
Pump Hydrograph Name		Pump 1	Pump 2	Pump 3	Pump 4	Pump 5
	Pump Discharge (cfs)					
	Elevation at which Pump Turns On (ft)					
	Elevation at which Pump Turns Off (ft)					

Detention Basin	Initial Condition		Pond Storage Relation										Outlet Data			
													Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
			Elevation	401	402	404	406	408	410	412				401	3.14	1	0.5

A30DET	Elevation (ft)	401	(ft)														
			Area (ac)	0	0.01	0.037	0.16	0.395	1.16	1.7				410	100	1	1.5
	Pump Data																
	Pump Hydrograph Name			Pump 1			Pump 2			Pump 3			Pump 4			Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
DEAC1D	Volume (ac-ft)	0	Volume (ac-ft)	0	0.2	0.55	1.44	2.34	2.5					-	-	-	-
			Discharge (cfs)	0	400	445	490	535	800					-	-	-	-
	Pump Data																
	Pump Hydrograph Name			Pump 1			Pump 2			Pump 3			Pump 4			Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

Detention Basin	Initial Condition		Pond Storage Relation											Outlet Data			
														Elev. (ft)	Area (sq ft)	Q Coef.	Exponent
A28DET	Elevation (ft)	400	Elevation (ft)	400	402	404	406	408	412					400	50	1	0.5
			Area (ac)	0	0.19	0.65	1.3	2.56	6.32					411	100	1	1.5
	Pump Data																
	Pump Hydrograph Name			Pump 1			Pump 2			Pump 3			Pump 4			Pump 5	
			Pump Discharge (cfs)														
			Elevation at which Pump Turns On (ft)														
			Elevation at which Pump Turns Off (ft)														

View HEC-1 output

Sacramento method results
(Project: Folsom)
(200-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
AC48	115.	12:24	.11			
OFF9F1	23.	12:06	.01			
OFF9F2	43.	12:14	.03			
O92DET	24.	12:32	.03		1.1	
OFF9F3	55.	12:14	.04			
O93DET	21.	12:47	.04		1.7	
OFF9J	44.	12:34	.07			
AC47	132.	12:24	.13			
OFF9E1	46.	12:12	.03			
AC46	29.	12:19	.02			
AC45	40.	12:17	.03			
AC44	65.	12:30	.07			
AC43	116.	12:46	.17			
AC43R	116.	12:49	.17			
A43A44	164.	12:43	.24			
OFF9D	462.	12:35	.54			
OF9DET	210.	13:22	.54	279.	27.	.00
AC42	46.	12:10	.03			
AC41	48.	12:19	.04			
AC40	80.	12:19	.07			
AC39	128.	12:43	.17			
A39DET	128.	12:44	.17		2.8	
AC39R	128.	12:46	.17			
A39A40	168.	12:41	.24			
AC40R	168.	12:44	.24			
A40A41	195.	12:25	.28			
AC37	57.	12:19	.05			
AC38	32.	12:10	.02			
OFF8	1310.	12:39	1.63			
OF8DET	975.	13:00	1.63		26.	.00
OFF8R	975.	13:01	1.63			
A38O8	981.	13:01	1.65			
AC36	71.	12:21	.06			
AC35	102.	12:29	.11			
AC34	17.	12:11	.01			

AC26	30.	12:15	.02			
AC33	161.	13:07	.29			
AC32	160.	12:43	.22			
AC29	88.	12:35	.10			
AC28	152.	12:36	.18			
AC27	135.	12:30	.14			
A27DET	135.	12:30	.14		.9	
AC27R	134.	12:36	.14			
A27A28	287.	12:36	.32			
A28DET	287.	12:36	.32	401.	.1	.01
AC28R	286.	12:40	.32			
A28A29	372.	12:39	.43			
AC31	81.	12:40	.11			
AC30	31.	12:12	.02			
A30DET	43.	12:04	.02	404.	.0	
AC30R	33.	12:24	.02			
A30A31	102.	12:35	.13			
A29A31	472.	12:38	.56			
AC31R	472.	12:41	.56			
A31A32	631.	12:42	.77			
OFF6	568.	12:27	.56			
OF6DET	317.	12:57	.56		18.	
RAC6O6	317.	13:00	.56			
A32A33	1052.	12:45	1.61			
RA34	1052.	12:45	1.61			
AC23	113.	12:50	.17			
AC25	62.	12:23	.06			
AC24	64.	12:27	.07			
A24DET	16.	13:50	.07	339.	8.3	
AC24R	16.	13:54	.07			
A24A25	62.	12:23	.12			
AC22	128.	12:40	.17			
AC21A	129.	12:56	.21			
AC19	23.	12:19	.02			
AC20	278.	13:39	.64			
A20DET	243.	14:07	.64	7.2	3.7	.00
RA20D	243.	14:13	.64			
AC18	96.	12:25	.10			
AC17	55.	12:38	.07			
AC11	71.	12:34	.08			
AC10	89.	12:38	.11			

A10DET	87.	12:41	.11	357.	.2		
RA10	87.	12:46	.11				
AC16	138.	12:43	.19				
AC13	51.	12:24	.05				
AC15	77.	12:30	.08				
AC12	214.	12:36	.25				
A12DET	214.	12:36	.25		2.9		
RAC13	236.	12:37	.25				
AC14	129.	12:27	.13				
A14DET	65.	13:00	.13		3.2		
RAC14	65.	13:05	.13				
JA12	406.	12:37	.51				
RAC12	398.	12:42	.51				
JA11	536.	12:42	.70				
RAC11	530.	12:45	.70				
AC09	166.	12:58	.27				
AC07	44.	12:20	.04				
AC06	190.	13:01	.32				
AC03	95.	12:25	.09				
AC02	29.	12:15	.02				
AC01	150.	12:27	.15				
A01DET	150.	12:27	.15		1.6		
JA18	169.	12:26	.17				
RAC18	170.	12:29	.17				
JA17	265.	12:27	.27				
RAC17	263.	12:36	.27				
AC05	67.	12:20	.06				
AC04	64.	12:13	.05				
AC4R	64.	12:15	.05				
A04A05	128.	12:17	.10				
AC5R	128.	12:26	.10				
AC5R2	128.	12:32	.10				
JA16	520.	12:36	.69				
RAC16	519.	12:42	.69				
AC08A	39.	12:23	.04				
AC08B	46.	12:17	.04				
AC08	82.	12:19	.07				
JA15	733.	12:43	1.07				
DEAC1D	733.	12:43	1.07		2.4	.01	
RAC15	733.	12:47	1.07				
JA10	1458.	12:46	2.03				

RAC10	1449.	12:48	2.03
JA9	1508.	12:48	2.13
RAC9	1502.	12:50	2.13
AC21B	12.	12:16	.01
JA8	1909.	12:50	3.17
RAC8	1900.	12:55	3.17
JA7	2039.	12:55	3.47
RAC7	2037.	12:56	3.47
JA6	3047.	12:55	5.11
RAC6	3043.	12:58	5.11
JA5	3126.	12:58	5.29
RAC5	3124.	12:59	5.29
JA4	4123.	12:59	6.98
RAC4	4117.	13:00	6.98
JA3	4281.	13:00	7.29
RAC3	4279.	13:01	7.29
JA2	4601.	13:01	8.13
RAC2	4575.	13:03	8.13
JA1	4636.	13:03	8.29
RAC1	4630.	13:06	8.29
ALDER	4711.	13:06	8.49
AC49A	79.	12:17	.06
BC02	158.	12:47	.23
BC01	60.	12:20	.05
CYC01	126.	12:35	.15
CC02	98.	12:16	.07
CC03	271.	12:41	.35
CC01A	249.	12:26	.24
CC01B	77.	12:15	.06
CC01	307.	12:24	.30
AC49B	131.	12:27	.13

(100-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
AC48	103.	12:24	.11			
OFF9F1	21.	12:06	.01			
OFF9F2	38.	12:14	.03			
O92DET	21.	12:34	.03		1.0	
OFF9F3	49.	12:14	.04			
O93DET	20.	12:45	.04		1.5	

OFF9J	40.	12:35	.07			
AC47	117.	12:24	.13			
OFF9E1	41.	12:12	.03			
AC46	26.	12:19	.02			
AC45	35.	12:16	.03			
AC44	58.	12:30	.07			
AC43	103.	12:46	.17			
AC43R	103.	12:49	.17			
A43A44	147.	12:43	.24			
OFF9D	414.	12:35	.54			
OF9DET	161.	13:38	.54	278.	26.	
AC42	41.	12:10	.03			
AC41	43.	12:19	.04			
AC40	71.	12:19	.07			
AC39	115.	12:43	.17			
A39DET	115.	12:44	.17		2.8	
AC39R	115.	12:46	.17			
A39A40	151.	12:41	.24			
AC40R	151.	12:44	.24			
A40A41	174.	12:41	.28			
AC37	51.	12:19	.05			
AC38	29.	12:09	.02			
OFF8	1176.	12:39	1.63			
OF8DET	909.	12:58	1.63		22.	.00
OFF8R	909.	12:59	1.63			
A38O8	914.	12:59	1.65			
AC36	63.	12:21	.06			
AC35	91.	12:29	.11			
AC34	15.	12:11	.01			
AC26	27.	12:15	.02			
AC33	144.	13:07	.29			
AC32	143.	12:43	.22			
AC29	79.	12:35	.10			
AC28	136.	12:36	.18			
AC27	121.	12:30	.14			
A27DET	121.	12:30	.14		.9	
AC27R	121.	12:36	.14			
A27A28	257.	12:36	.32			
A28DET	257.	12:36	.32	401.	.1	.01
AC28R	256.	12:41	.32			
A28A29	332.	12:38	.43			

AC31	72.	12:40	.11			
AC30	27.	12:12	.02			
A30DET	43.	12:05	.02	404.	.0	
AC30R	30.	12:20	.02			
A30A31	91.	12:36	.13			
A29A31	422.	12:38	.56			
AC31R	422.	12:41	.56			
A31A32	565.	12:41	.77			
OFF6	509.	12:27	.56			
OF6DET	291.	12:56	.56		15.	.00
RAC6O6	291.	12:59	.56			
A32A33	953.	12:45	1.61			
RA34	953.	12:45	1.61			
AC23	101.	12:50	.17			
AC25	55.	12:23	.06			
AC24	57.	12:27	.07			
A24DET	11.	14:33	.07	339.	8.1	.00
AC24R	11.	14:37	.07			
A24A25	55.	12:23	.12			
AC22	114.	12:40	.17			
AC21A	116.	12:56	.21			
AC19	20.	12:19	.02			
AC20	250.	13:39	.64			
A20DET	227.	14:02	.64	6.3	2.4	
RA20D	227.	14:08	.64			
AC18	85.	12:25	.10			
AC17	50.	12:38	.07			
AC11	63.	12:34	.08			
AC10	79.	12:38	.11			
A10DET	78.	12:41	.11	357.	.1	.00
RA10	78.	12:46	.11			
AC16	123.	12:43	.19			
AC13	45.	12:24	.05			
AC15	69.	12:30	.08			
AC12	192.	12:36	.25			
A12DET	195.	12:36	.25		2.9	
RAC13	209.	12:41	.25			
AC14	115.	12:27	.13			
A14DET	63.	12:57	.13		2.6	
RAC14	63.	13:02	.13			
JA12	359.	12:41	.51			

RAC12	356.	12:45	.51			
JA11	479.	12:45	.70			
RAC11	473.	12:49	.70			
AC09	149.	12:58	.27			
AC07	39.	12:20	.04			
AC06	170.	13:01	.32			
AC03	85.	12:25	.09			
AC02	26.	12:15	.02			
AC01	134.	12:27	.15			
A01DET	134.	12:27	.15	1.6		
JA18	151.	12:26	.17			
RAC18	153.	12:28	.17			
JA17	237.	12:28	.27			
RAC17	240.	12:34	.27			
AC05	60.	12:20	.06			
AC04	57.	12:13	.05			
AC4R	57.	12:15	.05			
A04A05	114.	12:17	.10			
AC5R	114.	12:26	.10			
AC5R2	114.	12:32	.10			
JA16	469.	12:34	.69			
RAC16	466.	12:41	.69			
AC08A	35.	12:23	.04			
AC08B	41.	12:17	.04			
AC08	73.	12:19	.07			
JA15	658.	12:44	1.07			
DEAC1D	656.	12:46	1.07	2.4	.01	
RAC15	654.	12:51	1.07			
JA10	1279.	12:50	2.03			
RAC10	1271.	12:53	2.03			
JA9	1318.	12:52	2.13			
RAC9	1317.	12:54	2.13			
AC21B	11.	12:16	.01			
JA8	1684.	12:54	3.17			
RAC8	1673.	13:00	3.17			
JA7	1790.	12:59	3.47			
RAC7	1789.	13:00	3.47			
JA6	2676.	12:59	5.11			
RAC6	2673.	13:02	5.11			
JA5	2741.	13:02	5.29			
RAC5	2738.	13:03	5.29			

JA4	3666.	13:03	6.98
RAC4	3661.	13:04	6.98
JA3	3799.	13:04	7.29
RAC3	3797.	13:05	7.29
JA2	4054.	13:05	8.13
RAC2	4038.	13:07	8.13
JA1	4089.	13:06	8.29
RAC1	4085.	13:09	8.29
ALDER	4155.	13:09	8.49
AC49A	70.	12:17	.06
BC02	141.	12:47	.23
BC01	54.	12:20	.05
CYC01	113.	12:35	.15
CC02	88.	12:16	.07
CC03	243.	12:41	.35
CC01A	223.	12:26	.24
CC01B	68.	12:15	.06
CC01	275.	12:24	.30
AC49B	116.	12:27	.13

(10-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
AC48	54.	12:23	.11			
OFF9F1	11.	12:06	.01			
OFF9F2	21.	12:14	.03			
O92DET	11.	12:40	.03		.6	
OFF9F3	26.	12:14	.04			
O93DET	14.	12:38	.04		.7	
OFF9J	25.	12:39	.07			
AC47	61.	12:24	.13			
OFF9E1	22.	12:12	.03			
AC46	14.	12:19	.02			
AC45	18.	12:16	.03			
AC44	31.	12:30	.07			
AC43	55.	12:46	.17			
AC43R	55.	12:50	.17			
A43A44	79.	12:44	.24			
OFF9D	229.	12:35	.54			
OF9DET	105.	13:43	.54	275.	13.	.00
AC42	21.	12:10	.03			

AC41	23.	12:19	.04			
AC40	38.	12:19	.07			
AC39	63.	12:43	.17			
A39DET	63.	12:44	.17		2.7	
AC39R	63.	12:45	.17			
A39A40	83.	12:45	.24			
AC40R	84.	12:46	.24			
A40A41	96.	12:46	.28			
AC37	27.	12:19	.05			
AC38	15.	12:09	.02			
OFF8	660.	12:39	1.63			
OF8DET	577.	12:53	1.63		8.9	.00
OFF8R	577.	12:54	1.63			
A38O8	581.	12:54	1.65			
AC36	34.	12:20	.06			
AC35	49.	12:29	.11			
AC34	7.9	12:11	.01			
AC26	14.	12:15	.02			
AC33	83.	13:07	.29			
AC32	78.	12:43	.22			
AC29	43.	12:35	.10			
AC28	74.	12:36	.18			
AC27	66.	12:29	.14			
A27DET	64.	12:34	.14		.8	
AC27R	64.	12:42	.14			
A27A28	136.	12:39	.32			
A28DET	136.	12:39	.32	400.	.0	.01
AC28R	137.	12:45	.32			
A28A29	175.	12:45	.43			
AC31	40.	12:40	.11			
AC30	14.	12:12	.02			
A30DET	14.	12:12	.02	403.	.0	.00
AC30R	14.	12:28	.02			
A30A31	51.	12:35	.13			
A29A31	222.	12:45	.56			
AC31R	222.	12:48	.56			
A31A32	298.	12:48	.77			
OFF6	282.	12:27	.56			
OF6DET	190.	12:53	.56		7.5	.00
RAC6O6	190.	12:57	.56			
A32A33	557.	12:49	1.61			

RA34	557.	12:49	1.61		
AC23	56.	12:50	.17		
AC25	29.	12:23	.06		
AC24	30.	12:27	.07		
A24DET	.0	0:00	.07	338.	6.1
AC24R	.0	0:00	.07		
A24A25	29.	12:23	.12		
AC22	62.	12:40	.17		
AC21A	65.	12:56	.21		
AC19	11.	12:19	.02		
AC20	146.	13:41	.64		
A20DET	145.	13:46	.64	2.6	.1
RA20D	145.	13:53	.64		
AC18	46.	12:25	.10		
AC17	27.	12:38	.07		
AC11	34.	12:34	.08		
AC10	43.	12:38	.11		
A10DET	43.	12:38	.11	356.	.0
RA10	43.	12:44	.11		
AC16	68.	12:43	.19		
AC13	24.	12:24	.05		
AC15	37.	12:29	.08		
AC12	105.	12:36	.25		
A12DET	76.	13:02	.25		1.5
RAC13	76.	13:06	.25		
AC14	62.	12:27	.13		
A14DET	47.	12:44	.13		.6
RAC14	47.	12:49	.13		
JA12	168.	12:38	.51		
RAC12	168.	12:43	.51		
JA11	235.	12:43	.70		
RAC11	235.	12:47	.70		
AC09	84.	12:59	.27		
AC07	21.	12:20	.04		
AC06	96.	13:02	.32		
AC03	46.	12:25	.09		
AC02	13.	12:15	.02		
AC01	72.	12:27	.15		
A01DET	61.	12:37	.15		1.5
JA18	69.	12:37	.17		
RAC18	72.	12:40	.17		

JA17	107.	12:40	.27		
RAC17	105.	12:53	.27		
AC05	32.	12:20	.06		
AC04	30.	12:13	.05		
AC4R	30.	12:16	.05		
A04A05	61.	12:18	.10		
AC5R	61.	12:28	.10		
AC5R2	61.	12:35	.10		
JA16	239.	12:53	.69		
RAC16	236.	13:00	.69		
AC08A	18.	12:23	.04		
AC08B	22.	12:17	.04		
AC08	39.	12:19	.07		
JA15	348.	13:00	1.07		
DEAC1D	348.	13:00	1.07	.2	.01
RAC15	346.	13:06	1.07		
JA10	657.	12:49	2.03		
RAC10	657.	12:51	2.03		
JA9	686.	12:51	2.13		
RAC9	685.	12:52	2.13		
AC21B	5.7	12:16	.01		
JA8	902.	12:53	3.17		
RAC8	901.	12:59	3.17		
JA7	969.	12:58	3.47		
RAC7	969.	12:59	3.47		
JA6	1512.	12:56	5.11		
RAC6	1511.	12:59	5.11		
JA5	1557.	12:59	5.29		
RAC5	1556.	13:00	5.29		
JA4	2144.	13:00	6.98		
RAC4	2143.	13:00	6.98		
JA3	2233.	13:00	7.29		
RAC3	2233.	13:02	7.29		
JA2	2415.	13:01	8.13		
RAC2	2410.	13:04	8.13		
JA1	2447.	13:04	8.29		
RAC1	2446.	13:07	8.29		
ALDER	2497.	13:07	8.49		
AC49A	36.	12:17	.06		
BC02	77.	12:48	.23		
BC01	28.	12:20	.05		

CYC01	61.	12:34	.15			
CC02	46.	12:16	.07			
CC03	134.	12:41	.35			
CC01A	121.	12:26	.24			
CC01B	36.	12:15	.06			
CC01	149.	12:24	.30			
AC49B	62.	12:27	.13			

(2-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
AC48	24.	12:23	.11			
OFF9F1	4.9	12:06	.01			
OFF9F2	9.7	12:14	.03			
O92DET	6.4	12:31	.03		.3	.00
OFF9F3	13.	12:14	.04			
O93DET	7.2	13:10	.04		.3	
OFF9J	13.	12:35	.07			
AC47	26.	12:24	.13			
OFF9E1	10.	12:11	.03			
AC46	6.1	12:19	.02			
AC45	7.8	12:16	.03			
AC44	14.	12:30	.07			
AC43	24.	12:46	.17			
AC43R	24.	12:51	.17			
A43A44	35.	12:46	.24			
OFF9D	111.	12:35	.54			
OF9DET	73.	13:37	.54	272.	5.4	.00
AC42	9.0	12:10	.03			
AC41	10.	12:19	.04			
AC40	17.	12:18	.07			
AC39	29.	12:43	.17			
A39DET	25.	13:02	.17		2.3	
AC39R	25.	13:06	.17			
A39A40	35.	13:04	.24			
AC40R	35.	13:08	.24			
A40A41	41.	13:07	.28			
AC37	12.	12:18	.05			
AC38	6.6	12:09	.02			
OFF8	328.	12:39	1.63			
OF8DET	308.	12:49	1.63		3.2	

OFF8R	308.	12:51	1.63			
A38O8	311.	12:51	1.65			
AC36	15.	12:20	.06			
AC35	22.	12:29	.11			
AC34	3.5	12:11	.01			
AC26	6.1	12:15	.02			
AC33	41.	13:10	.29			
AC32	36.	12:43	.22			
AC29	20.	12:34	.10			
AC28	34.	12:35	.18			
AC27	30.	12:29	.14			
A27DET	26.	12:42	.14		.2	
AC27R	26.	12:52	.14			
A27A28	57.	12:39	.32			
A28DET	57.	12:39	.32	400.	.0	.01
AC28R	57.	12:46	.32			
A28A29	75.	12:43	.43			
AC31	18.	12:40	.11			
AC30	6.3	12:12	.02			
A30DET	6.3	12:12	.02	403.	.0	
AC30R	6.3	12:32	.02			
A30A31	24.	12:35	.13			
A29A31	98.	12:40	.56			
AC31R	98.	12:45	.56			
A31A32	135.	12:44	.77			
OFF6	139.	12:27	.56			
OF6DET	111.	12:44	.56		3.0	.00
RAC6O6	111.	12:49	.56			
A32A33	281.	12:47	1.61			
RA34	281.	12:48	1.61			
AC23	26.	12:51	.17			
AC25	13.	12:23	.06			
AC24	14.	12:27	.07			
A24DET	.0	0:00	.07	337.	2.6	.00
AC24R	.0	0:00	.07			
A24A25	13.	12:23	.12			
AC22	29.	12:40	.17			
AC21A	31.	12:58	.21			
AC19	4.7	12:19	.02			
AC20	73.	13:46	.64			
A20DET	73.	13:46	.64	1.1	.0	

RA20D	73.	13:55	.64		
AC18	20.	12:25	.10		
AC17	12.	12:38	.07		
AC11	16.	12:33	.08		
AC10	20.	12:38	.11		
A10DET	20.	12:38	.11	355.	.0
RA10	20.	12:45	.11		
AC16	31.	12:43	.19		
AC13	11.	12:24	.05		
AC15	17.	12:29	.08		
AC12	48.	12:35	.25		
A12DET	48.	12:35	.25		.0
RAC13	48.	12:40	.25		
AC14	28.	12:27	.13		
A14DET	28.	12:27	.13		.0
RAC14	28.	12:32	.13		
JA12	100.	12:34	.51		
RAC12	100.	12:39	.51		
JA11	131.	12:40	.70		
RAC11	131.	12:45	.70		
AC09	40.	13:01	.27		
AC07	9.3	12:19	.04		
AC06	46.	13:04	.32		
AC03	21.	12:25	.09		
AC02	6.0	12:15	.02		
AC01	33.	12:26	.15		
A01DET	24.	12:49	.15		.4
JA18	27.	12:55	.17		
RAC18	27.	12:59	.17		
JA17	47.	12:25	.27		
RAC17	47.	12:39	.27		
AC05	14.	12:20	.06		
AC04	13.	12:13	.05		
AC4R	13.	12:16	.05		
A04A05	27.	12:18	.10		
AC5R	27.	12:30	.10		
AC5R2	27.	12:39	.10		
JA16	113.	12:41	.69		
RAC16	113.	12:49	.69		
AC08A	8.3	12:23	.04		
AC08B	9.6	12:17	.04		

AC08	17.	12:19	.07			
JA15	168.	12:51	1.07			
DEAC1D	168.	12:51	1.07		.1	.01
RAC15	168.	12:58	1.07			
JA10	334.	12:52	2.03			
RAC10	334.	12:55	2.03			
JA9	348.	12:55	2.13			
RAC9	348.	12:57	2.13			
AC21B	2.5	12:16	.01			
JA8	457.	12:58	3.17			
RAC8	457.	13:05	3.17			
JA7	489.	13:05	3.47			
RAC7	489.	13:06	3.47			
JA6	764.	13:04	5.11			
RAC6	764.	13:08	5.11			
JA5	789.	13:08	5.29			
RAC5	789.	13:10	5.29			
JA4	1091.	13:07	6.98			
RAC4	1091.	13:08	6.98			
JA3	1136.	13:08	7.29			
RAC3	1135.	13:10	7.29			
JA2	1245.	13:10	8.13			
RAC2	1244.	13:13	8.13			
JA1	1264.	13:13	8.29			
RAC1	1264.	13:17	8.29			
ALDER	1293.	13:17	8.49			
AC49A	15.	12:17	.06			
BC02	36.	12:48	.23			
BC01	12.	12:20	.05			
CYC01	28.	12:34	.15			
CC02	21.	12:15	.07			
CC03	63.	12:41	.35			
CC01A	55.	12:25	.24			
CC01B	16.	12:15	.06			
CC01	68.	12:23	.30			
AC49B	27.	12:26	.13			

(100-year, 10-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
AC48	53.	153:05	.11			

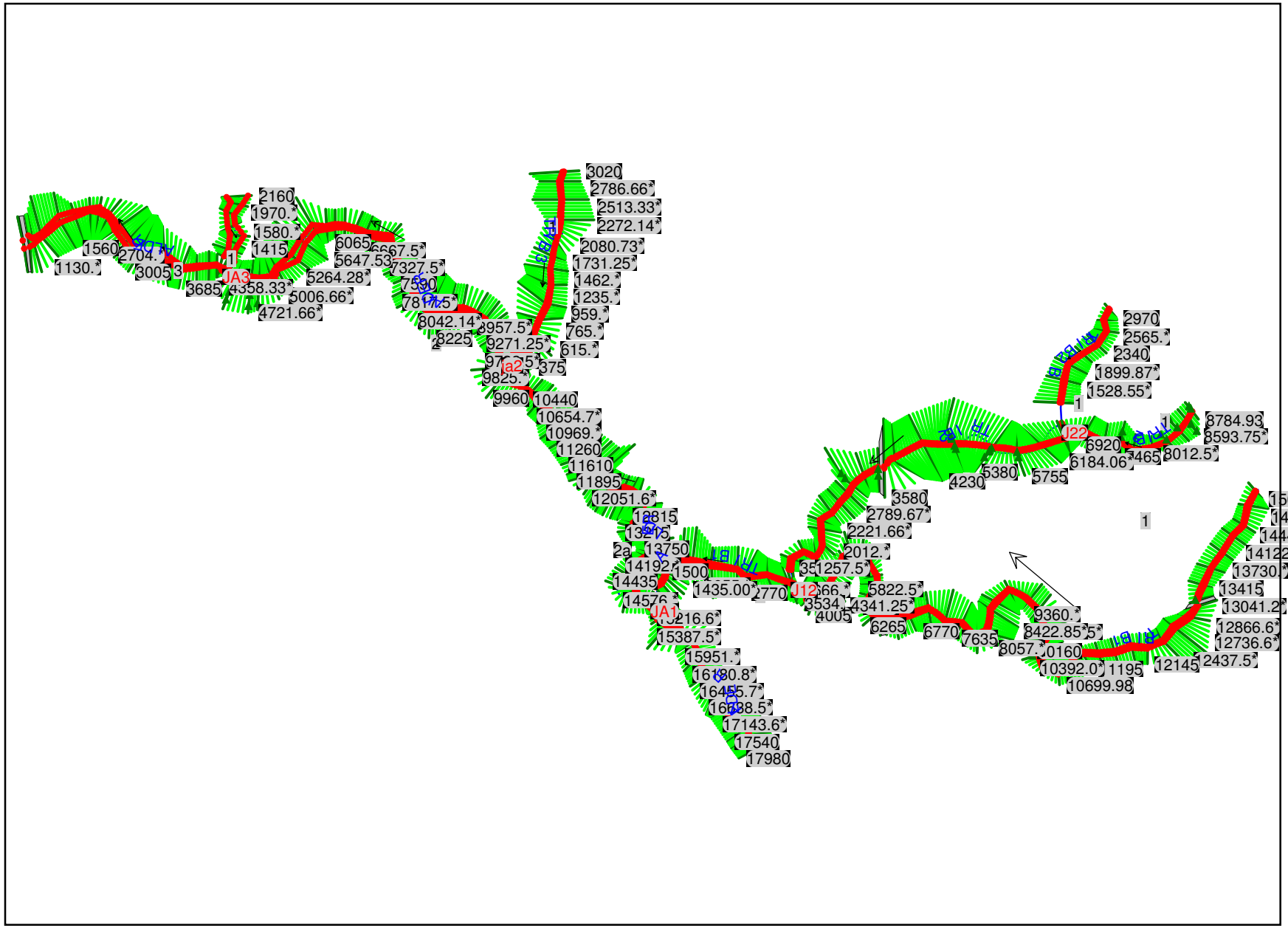
OFF9F1	6.9	153:00	.01			
OFF9F2	18.	153:01	.03			
O92DET	15.	153:17	.03		.8	.00
OFF9F3	23.	153:01	.04			
O93DET	17.	153:21	.04		1.1	
OFF9J	32.	153:17	.07			
AC47	61.	153:06	.13			
OFF9E1	17.	153:01	.03			
AC46	12.	153:03	.02			
AC45	16.	153:02	.03			
AC44	34.	153:10	.07			
AC43	70.	153:22	.17			
AC43R	70.	153:26	.17			
A43A44	103.	153:19	.24			
OFF9D	262.	153:13	.54			
OF9DET	161.	154:21	.54	278.	26.	.00
AC42	15.	153:00	.03			
AC41	21.	153:03	.04			
AC40	35.	153:03	.07			
AC39	78.	153:20	.17			
A39DET	78.	153:21	.17		2.7	
AC39R	78.	153:23	.17			
A39A40	110.	153:11	.24			
AC40R	110.	153:14	.24			
A40A41	130.	153:12	.28			
AC37	25.	153:03	.05			
AC38	11.	153:00	.02			
OFF8	789.	153:17	1.63			
OF8DET	739.	153:34	1.63		14.	.00
OFF8R	739.	153:36	1.63			
A38O8	745.	153:35	1.65			
AC36	32.	153:04	.06			
AC35	52.	153:09	.11			
AC34	6.1	153:01	.01			
AC26	12.	153:02	.02			
AC33	116.	153:41	.29			
AC32	97.	153:20	.22			
AC29	51.	153:13	.10			
AC28	91.	153:14	.18			
AC27	83.	153:09	.14			
A27DET	83.	153:11	.14		.8	

AC27R	83.	153:19	.14			
A27A28	174.	153:16	.32			
A28DET	174.	153:16	.32	401.	.0	.01
AC28R	174.	153:21	.32			
A28A29	224.	153:19	.43			
AC31	49.	153:17	.11			
AC30	12.	153:01	.02			
A30DET	12.	153:01	.02	403.	.0	
AC30R	12.	153:18	.02			
A30A31	61.	153:17	.13			
A29A31	284.	153:19	.56			
AC31R	284.	153:22	.56			
A31A32	382.	153:21	.77			
OFF6	326.	153:08	.56			
OF6DET	268.	153:32	.56		13.	.00
RAC6O6	268.	153:36	.56			
A32A33	757.	153:27	1.61			
RA34	757.	153:26	1.61			
AC23	72.	153:26	.17			
AC25	29.	153:05	.06			
AC24	33.	153:08	.07			
A24DET	31.	153:20	.07	339.	8.7	
AC24R	31.	153:24	.07			
A24A25	59.	153:12	.12			
AC22	76.	153:18	.17			
AC21A	86.	153:31	.21			
AC19	10.	153:03	.02			
AC20	232.	154:11	.64			
A20DET	221.	154:34	.64	5.9	1.9	
RA20D	221.	154:40	.64			
AC18	48.	153:06	.10			
AC17	33.	153:16	.07			
AC11	40.	153:12	.08			
AC10	54.	153:15	.11			
A10DET	54.	153:16	.11	356.	.0	
RA10	53.	153:21	.11			
AC16	87.	153:20	.19			
AC13	27.	153:06	.05			
AC15	44.	153:09	.08			
AC12	142.	153:13	.25			
A12DET	142.	153:14	.25		2.9	

RAC13	142.	153:18	.25		
AC14	77.	153:08	.13		
A14DET	61.	153:35	.13	2.0	
RAC14	61.	153:39	.13		
JA12	269.	153:16	.51		
RAC12	269.	153:21	.51		
JA11	357.	153:21	.70		
RAC11	357.	153:24	.70		
AC09	117.	153:33	.27		
AC07	21.	153:03	.04		
AC06	136.	153:36	.32		
AC03	51.	153:06	.09		
AC02	13.	153:02	.02		
AC01	86.	153:08	.15		
A01DET	86.	153:09	.15	1.6	
JA18	99.	153:07	.17		
RAC18	99.	153:10	.17		
JA17	150.	153:09	.27		
RAC17	150.	153:19	.27		
AC05	35.	153:04	.06		
AC04	29.	153:01	.05		
AC4R	29.	153:04	.05		
A04A05	64.	153:04	.10		
AC5R	64.	153:14	.10		
AC5R2	64.	153:21	.10		
JA16	347.	153:23	.69		
RAC16	347.	153:28	.69		
AC08A	19.	153:05	.04		
AC08B	20.	153:02	.04		
AC08	40.	153:03	.07		
JA15	510.	153:25	1.07		
DEAC1D	499.	153:36	1.07	1.6	.01
RAC15	499.	153:40	1.07		
JA10	967.	153:29	2.03		
RAC10	967.	153:31	2.03		
JA9	1006.	153:29	2.13		
RAC9	1006.	153:30	2.13		
AC21B	5.0	153:02	.01		
JA8	1358.	153:31	3.17		
RAC8	1357.	153:37	3.17		
JA7	1479.	153:35	3.47		

RAC7	1479.	153:34	3.47
JA6	2241.	153:30	5.11
RAC6	2241.	153:33	5.11
JA5	2307.	153:31	5.29
RAC5	2307.	153:33	5.29
JA4	3068.	153:33	6.98
RAC4	3068.	153:33	6.98
JA3	3192.	153:32	7.29
RAC3	3192.	153:34	7.29
JA2	3432.	153:33	8.13
RAC2	3429.	153:35	8.13
JA1	3484.	153:35	8.29
RAC1	3484.	153:38	8.29
ALDER	3554.	153:37	8.49
AC49A	32.	153:02	.06
BC02	99.	153:24	.23
BC01	27.	153:03	.05
CYC01	72.	153:13	.15
CC02	49.	153:02	.07
CC03	192.	153:19	.35
CC01A	152.	153:07	.24
CC01B	38.	153:02	.06
CC01	190.	153:05	.30
AC49B	65.	153:07	.13

Appendix B: Existing Conditions HEC-RAS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1580.
1415
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1235.
959.
765.
615.
375
1560
1130.
2704.
3005.3
3685
4358.33
5264.28
5006.66
4721.66
6065
5647.53
7327.5
7590
7817.5
8042.14
8225
8957.5
9271.25
9825.
9960
10440
10654.7
10969.
11260
11610
11895
12051.6
12815
13215
13750
14192.5
14435
14576
15216.6
15387.5
15951.
16180.8
16455.7
16688.5
17143.6
17540
17980
JA3
Ja2
JA1
J12
J22
2970
2565.
2340
1899.87
1528.55
8784.93
8593.75
8012.5
6920
6184.06
5755
5380
4230
3580
2789.67
2221.66
2012.
1257.5
1500
1435.00
2770
5822.5
4341.25
6265
6770
7635
9360.
8422.85
8057.
10392.0
1195
10699.98
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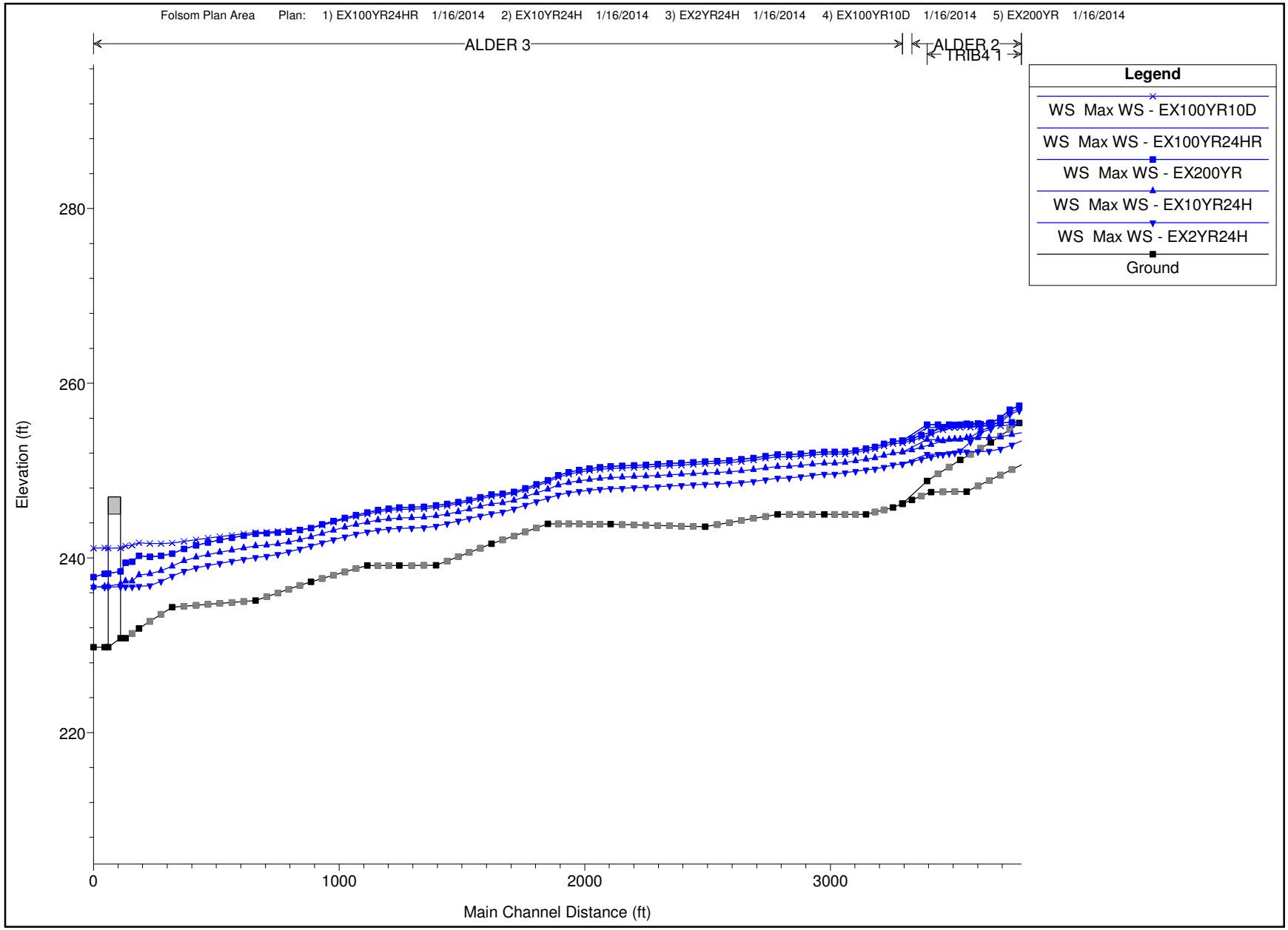
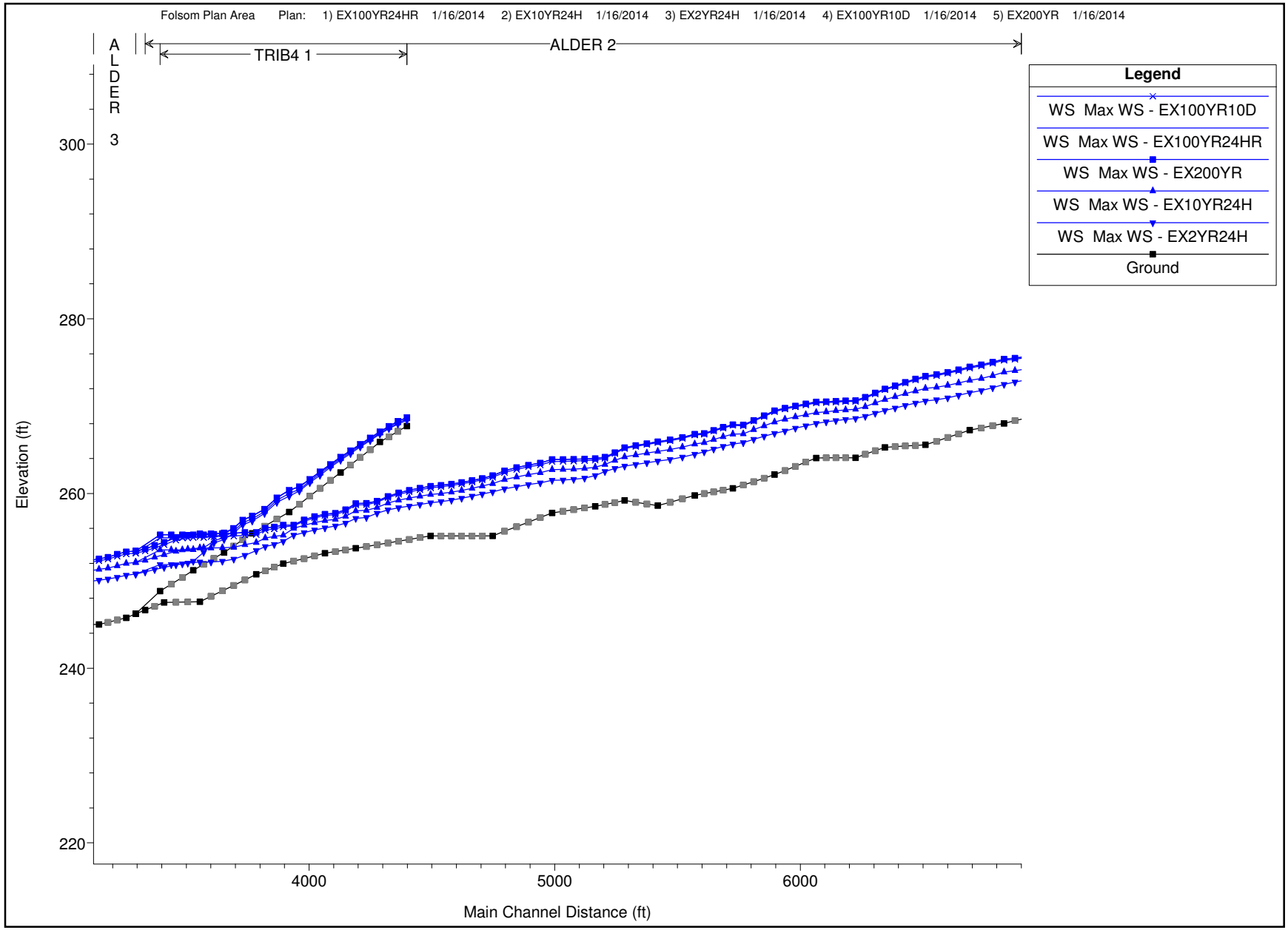
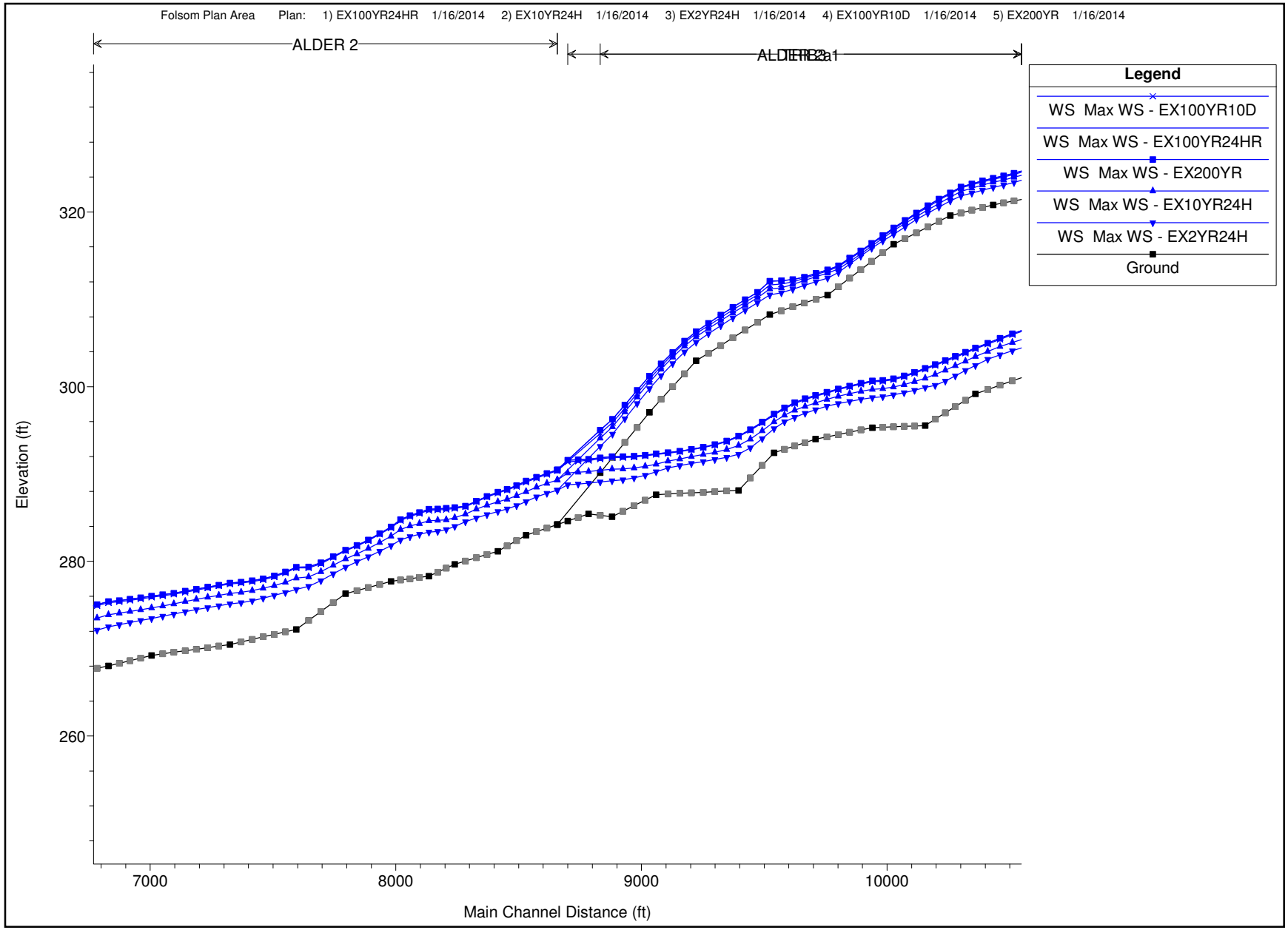
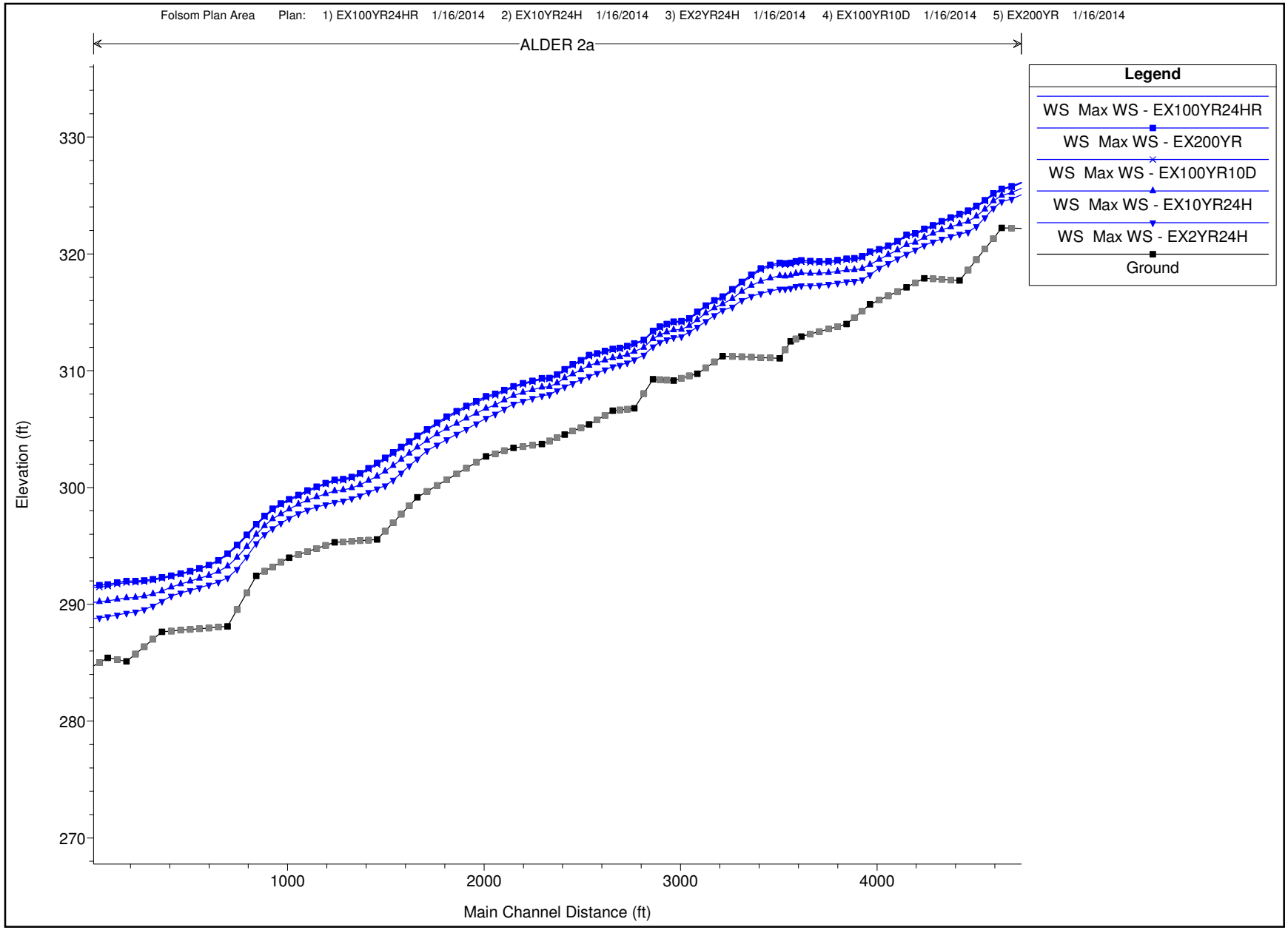
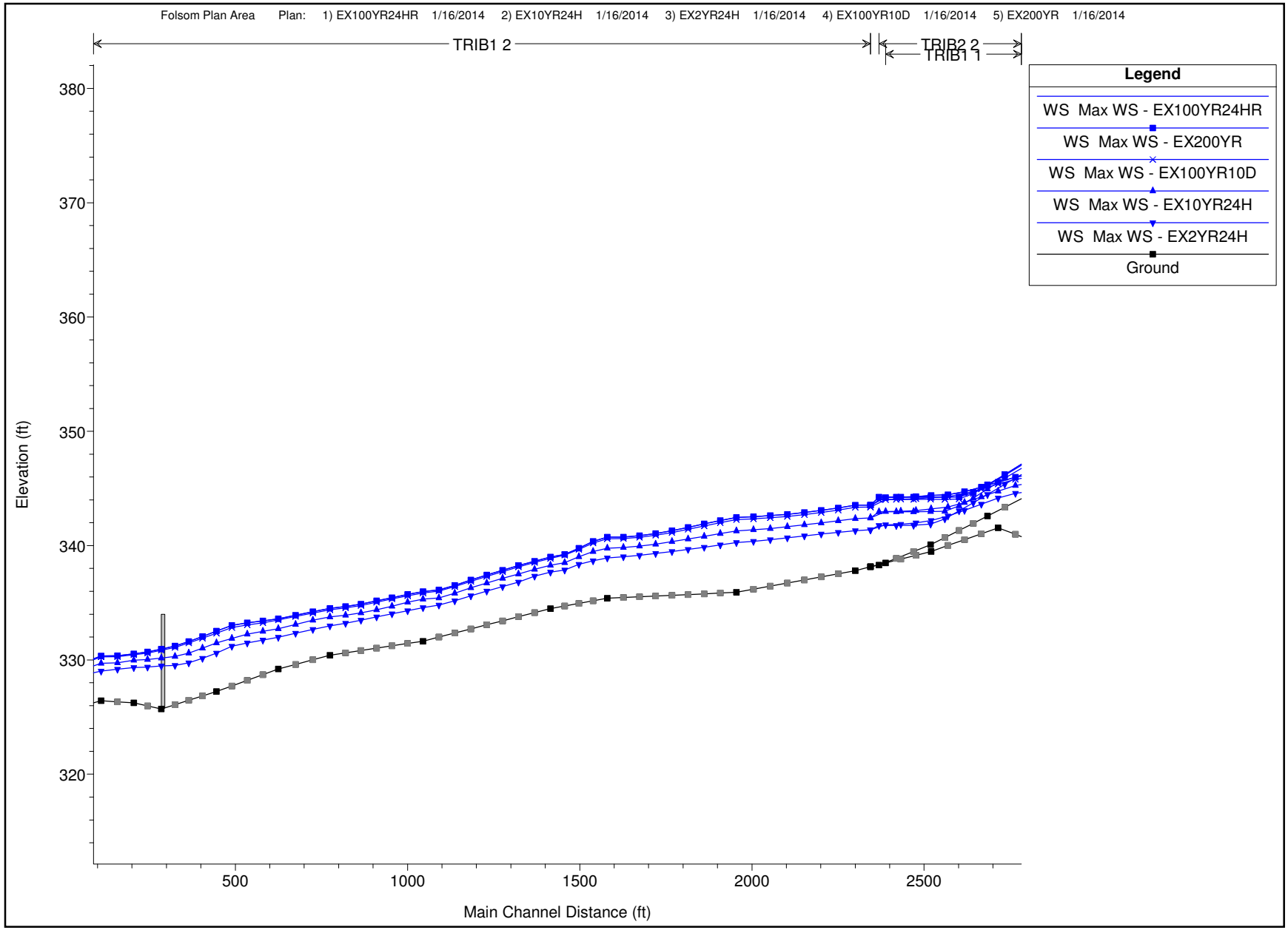
15010
14683.3
14445.
14122.5
13730.
13415
13041.2
12866.6
12736.6

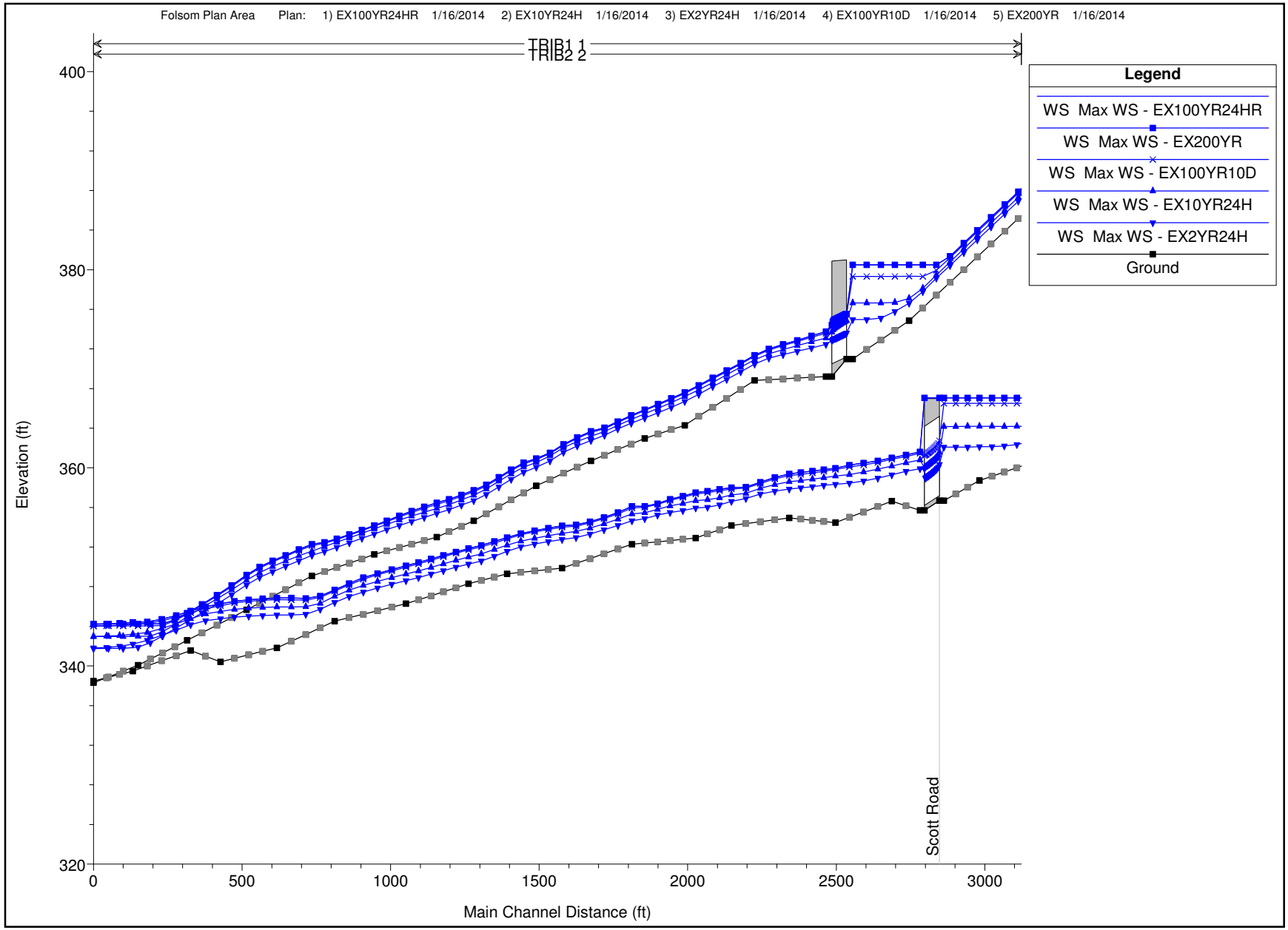

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
ALDER 3
ALDER 2
TRIB4 1
Legend
WS Max WS - EX100YR10D
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
280
260
240
220
0
1000
2000
3000
Main Channel Distance (ft)

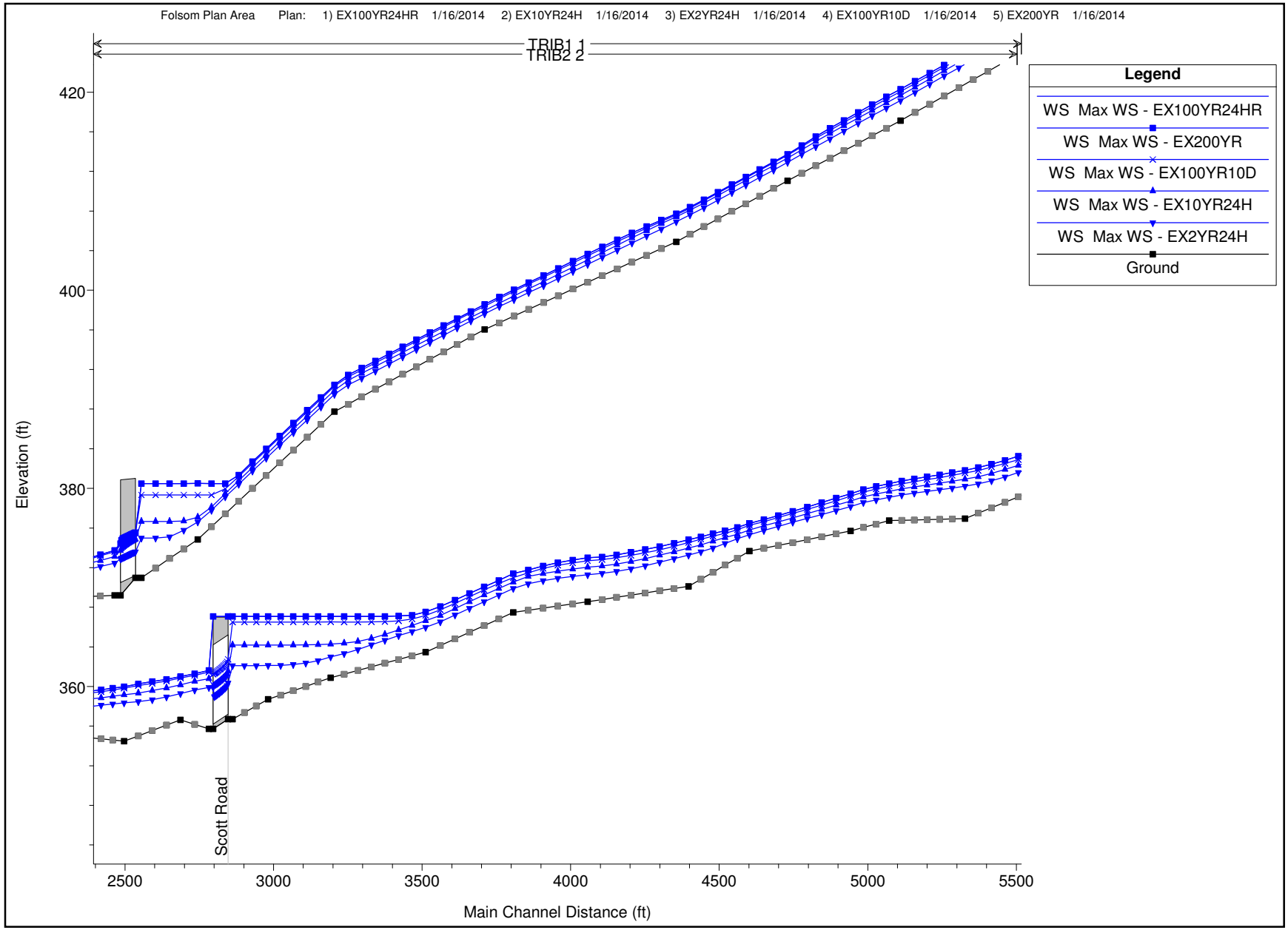

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
ALDER 3
TRIB4 1
ALDER 2
Legend
WS Max WS - EX100YR10D
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
300
280
260
240
220
4000
5000
6000
Main Channel Distance (ft)

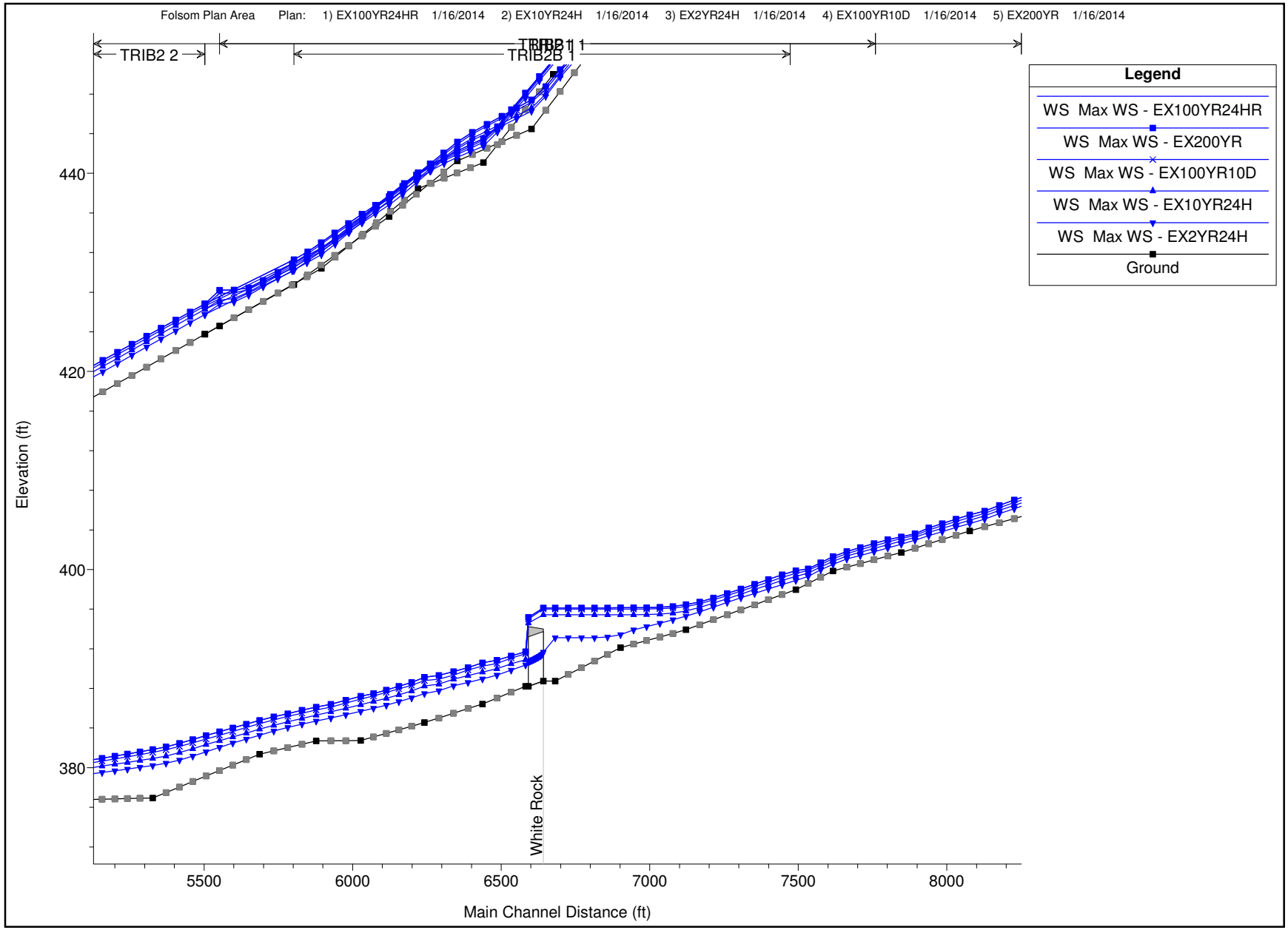

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
ALDER 2
ALDER 2a1
Legend
WS Max WS - EX100YR10D
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
320
300
280
260
7000
8000
9000
10000
Main Channel Distance (ft)

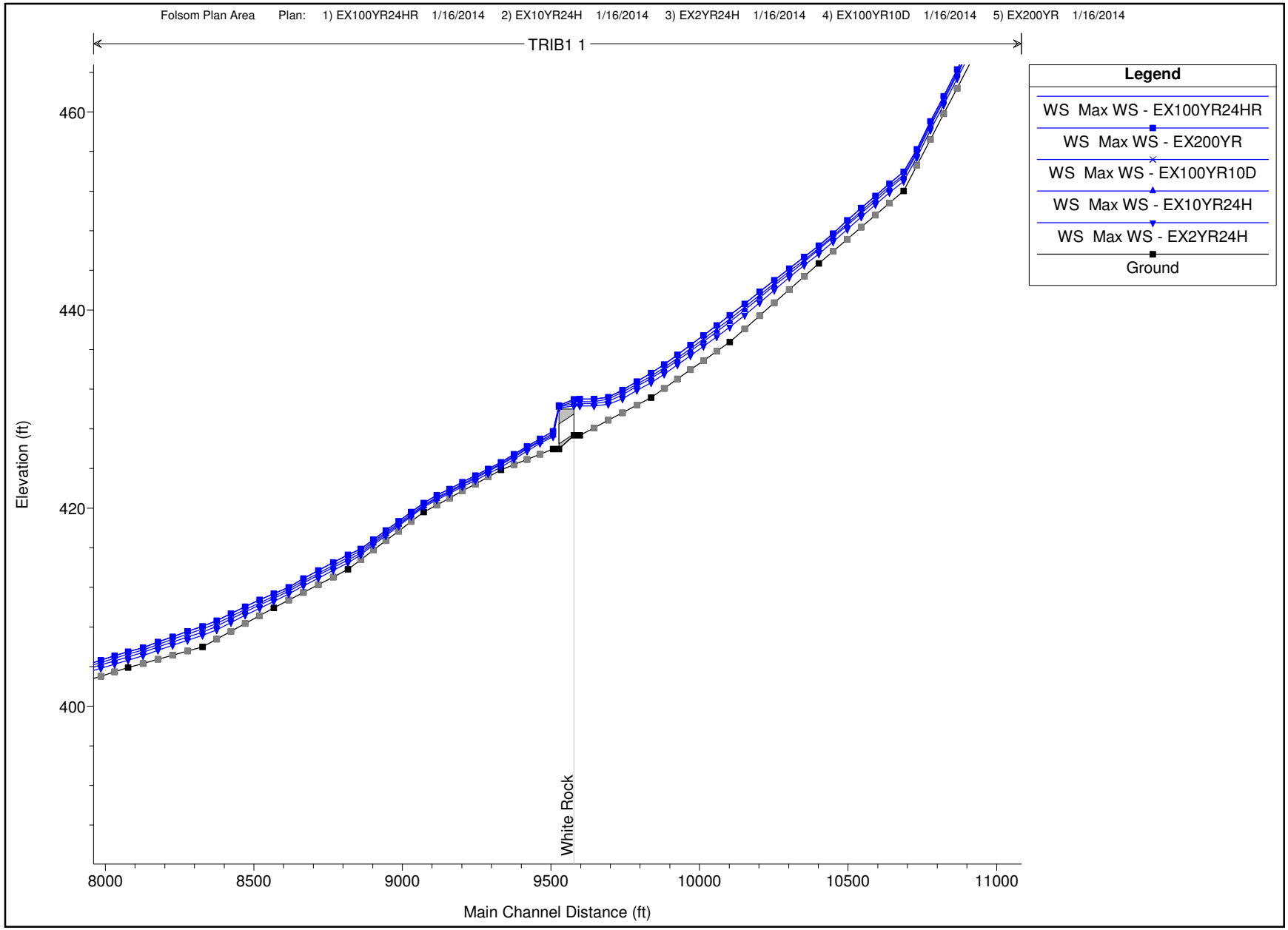

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
ALDER 2a
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
330
320
310
300
290
280
270
1000
2000
3000
4000
Main Channel Distance (ft)

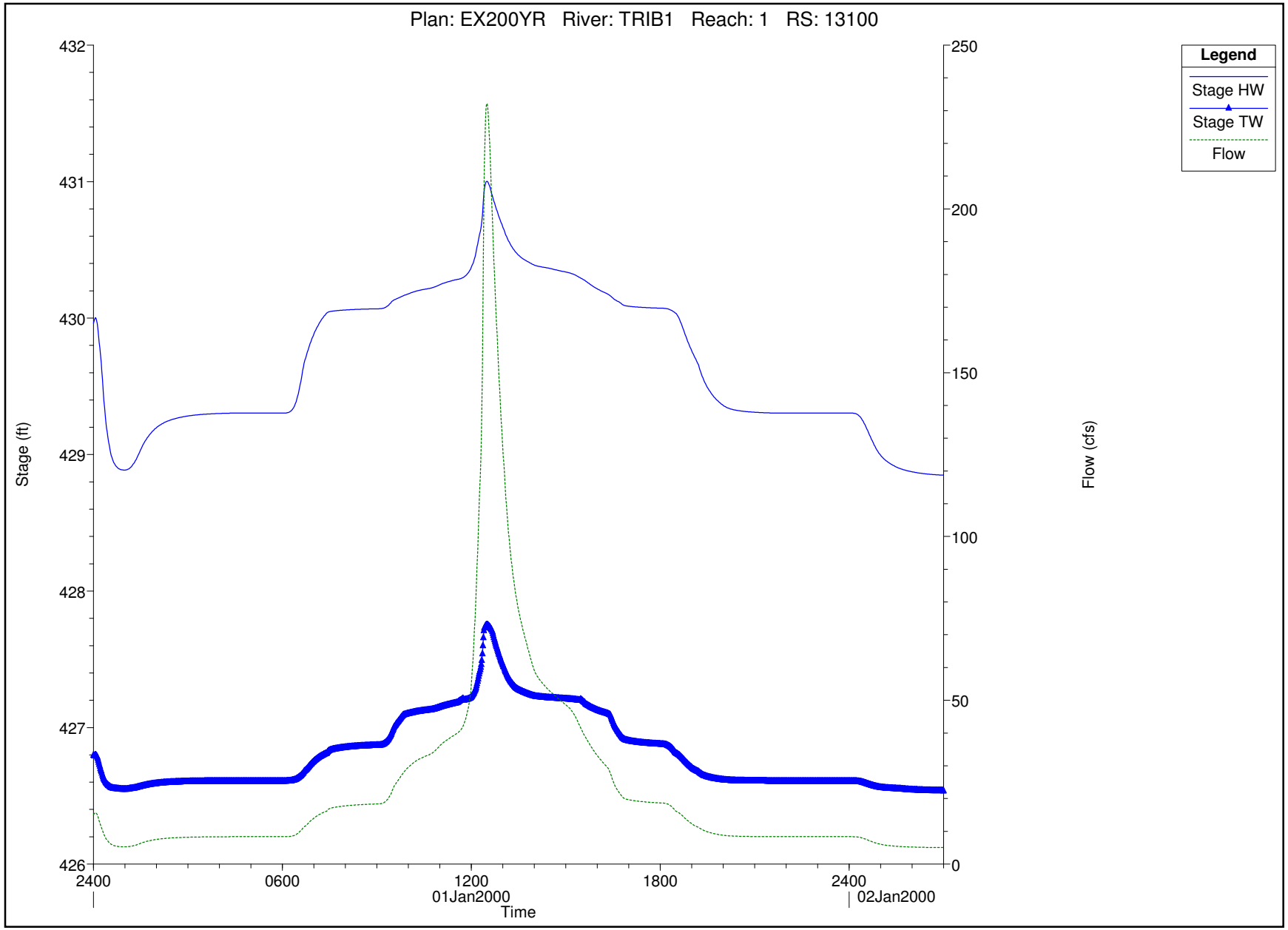

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
TRIB1 2
TRIB2 2
TRIB1 1
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
380
370
360
350
340
330
320
500
1000
1500
2000
2500
Main Channel Distance (ft)

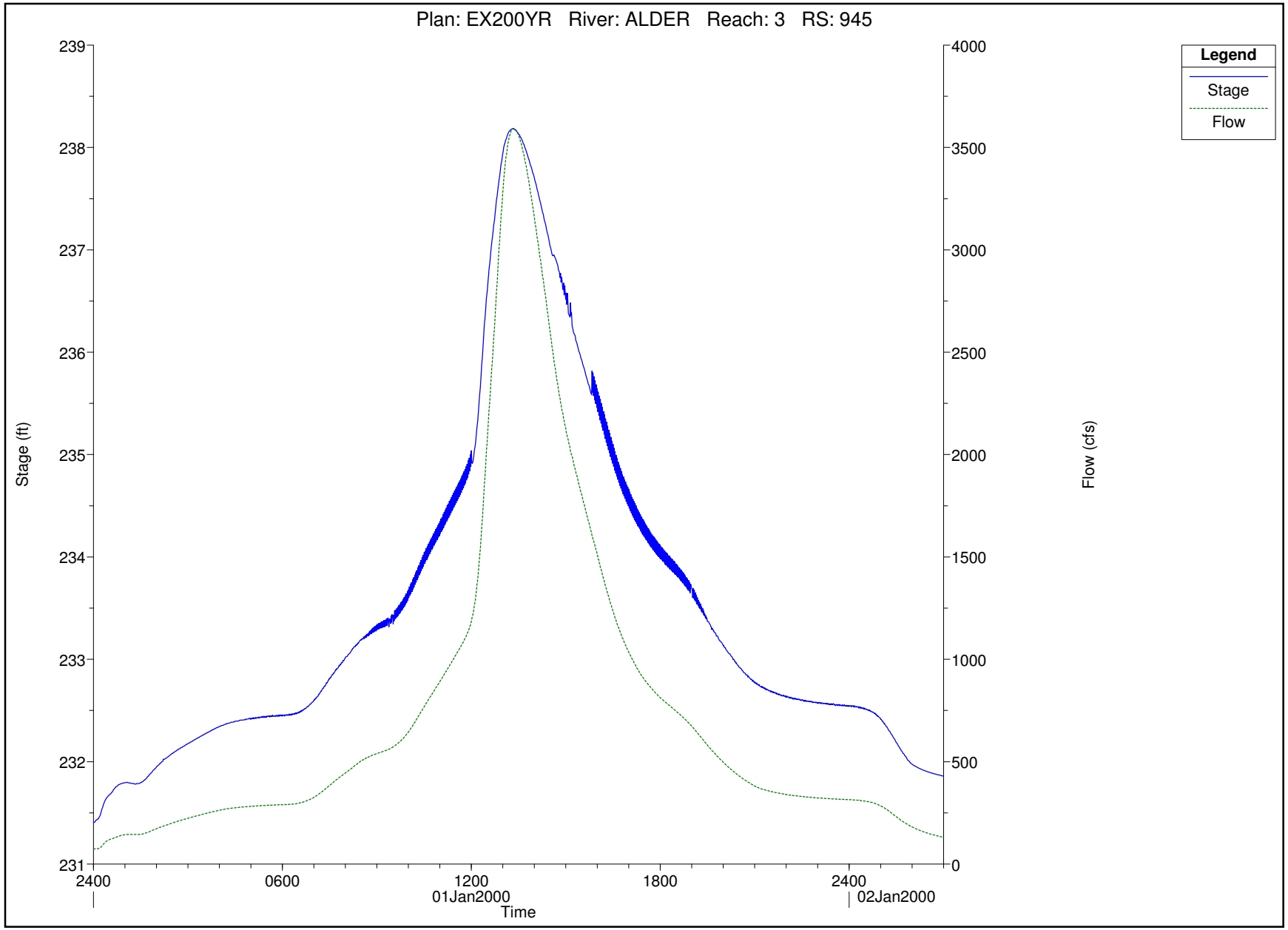

Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
TRIB1 1
TRIB2 2
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Scott Road
Elevation (ft)
Main Channel Distance (ft)
400
380
360
340
320
0
500
1000
1500
2000
2500
3000


Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
TRIB1 1
TRIB2 2
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
420
400
380
360
Scott Road
2500
3000
3500
4000
4500
5000
5500
Main Channel Distance (ft)


Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
TRIB2 2
TRIB2B 1
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
440
420
400
380
White Rock
5500
6000
6500
7000
7500
8000
Main Channel Distance (ft)


Folsom Plan Area Plan: 1) EX100YR24HR 1/16/2014 2) EX10YR24H 1/16/2014 3) EX2YR24H 1/16/2014 4) EX100YR10D 1/16/2014 5) EX200YR 1/16/2014
TRIB1 1
Legend
WS Max WS - EX100YR24HR
WS Max WS - EX200YR
WS Max WS - EX100YR10D
WS Max WS - EX10YR24H
WS Max WS - EX2YR24H
Ground
Elevation (ft)
460
440
420
400
White Rock
8000
8500
9000
9500
10000
10500
11000
Main Channel Distance (ft)


Plan: EX200YR River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
Time
01Jan2000
02Jan2000
2400
0600
1200
1800
2400
432
431
430
429
428
427
426
250
200
150
100
50
0


Plan: EX200YR River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
239
238
237
236
235
234
233
232
231
4000
3500
3000
2500
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: EX200YR Profile: Max WS

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	160.72	267.72	268.71		268.83	0.012629	2.78	57.76	80.66	0.58
TRIB4	1	2123.33*	160.71	267.11	268.26		268.38	0.012510	2.79	57.58	79.49	0.58
TRIB4	1	2086.66*	160.71	266.51	267.70		267.86	0.016650	3.16	50.89	72.30	0.66
TRIB4	1	2050	160.71	265.90	267.07		267.23	0.018377	3.22	49.86	73.85	0.69
TRIB4	1	2010.*	160.99	265.02	266.35		266.51	0.018098	3.23	49.85	72.77	0.69
TRIB4	1	1970.*	161.27	264.15	265.62		265.79	0.018493	3.27	49.35	71.90	0.70
TRIB4	1	1930.*	161.55	263.27	264.90		265.07	0.018188	3.28	49.25	70.38	0.69
TRIB4	1	1890	161.83	262.40	264.16		264.33	0.019053	3.35	48.29	69.09	0.71
TRIB4	1	1848.*	162.11	261.50	263.34		263.53	0.020089	3.52	46.09	63.78	0.73
TRIB4	1	1806.*	162.40	260.59	262.49		262.70	0.019704	3.67	44.30	56.72	0.73
TRIB4	1	1764.*	162.68	259.69	261.62		261.85	0.020950	3.86	42.13	52.10	0.76
TRIB4	1	1722.*	162.97	258.78	260.77		261.01	0.019859	3.90	41.73	48.61	0.74
TRIB4	1	1680	163.25	257.88	260.37		260.48	0.005268	2.63	62.11	48.12	0.41
TRIB4	1	1630.*	163.59	257.07	259.52		259.89	0.020337	4.91	33.33	28.00	0.79
TRIB4	1	1580.*	163.93	256.25	258.21	258.16	258.61	0.032051	5.09	32.18	36.15	0.95
TRIB4	1	1530	164.27	255.44	257.42		257.51	0.004222	2.33	70.47	56.00	0.37
TRIB4	1	1491.66*	164.40	254.70	256.96		257.18	0.013685	3.74	43.92	41.44	0.64
TRIB4	1	1453.33*	164.50	253.97	256.02	255.97	256.49	0.030739	5.51	29.83	28.83	0.96
TRIB4	1	1415	150.21	253.23	255.48		255.59	0.004351	2.67	56.29	37.16	0.38
TRIB4	1	1373.33*	142.00	252.56	255.32		255.42	0.003494	2.45	57.93	36.88	0.34
TRIB4	1	1331.66*	140.40	251.88	255.27		255.32	0.001241	1.63	86.00	46.38	0.21
TRIB4	1	1290	138.80	251.21	255.27		255.28	0.000189	0.88	157.32	51.38	0.09
TRIB4	1	1245.*	138.77	250.41	255.27		255.28	0.000101	0.68	202.69	61.09	0.07
TRIB4	1	1200.*	138.73	249.62	255.27		255.27	0.000044	0.50	276.40	70.49	0.04
TRIB4	1	1155	138.69	248.82	255.27		255.27	0.000018	0.37	378.90	79.96	0.03
TRIB3	1	3020	291.40	339.76	341.09		341.31	0.015735	4.42	78.88	95.49	0.71
TRIB3	1	2971.66*	291.40	338.87	340.31		340.58	0.017859	4.88	73.98	94.51	0.76
TRIB3	1	2923.33*	291.39	337.98	339.47		339.78	0.019976	5.13	68.49	83.59	0.80
TRIB3	1	2875	291.39	337.09	338.74		338.99	0.014788	4.60	75.11	82.33	0.70
TRIB3	1	2830.83*	291.38	336.41	338.13		338.45	0.016653	5.10	68.60	73.01	0.75
TRIB3	1	2786.66*	291.37	335.72	337.50		337.86	0.017895	5.40	65.20	68.70	0.78
TRIB3	1	2742.5*	291.35	335.04	336.84		337.23	0.019173	5.65	62.83	67.17	0.81
TRIB3	1	2698.33*	291.35	334.36	336.17		336.57	0.019474	5.71	61.99	65.30	0.82
TRIB3	1	2654.16*	291.35	333.67	335.48		335.88	0.020352	5.76	60.98	63.82	0.83
TRIB3	1	2610	291.34	332.99	334.84		335.19	0.017633	5.40	64.26	64.23	0.77
TRIB3	1	2561.66*	291.34	332.22	334.15		334.53	0.018467	5.61	62.44	63.04	0.80
TRIB3	1	2513.33*	291.33	331.45	333.46		333.86	0.018295	5.66	61.24	59.95	0.79
TRIB3	1	2465.*	291.31	330.68	332.75		333.16	0.018137	5.69	60.26	57.44	0.79
TRIB3	1	2416.66*	291.30	329.91	332.04		332.46	0.018081	5.70	59.50	55.69	0.79
TRIB3	1	2368.33*	291.29	329.14	331.32		331.74	0.017643	5.66	59.40	54.63	0.78
TRIB3	1	2320	291.29	328.37	330.53	330.45	331.01	0.020868	5.98	55.44	52.33	0.85
TRIB3	1	2272.14*	298.45	327.46	329.69		330.18	0.019491	6.10	56.45	49.03	0.83
TRIB3	1	2224.29*	305.62	326.54	328.88		329.37	0.017286	6.11	58.27	46.50	0.79
TRIB3	1	2176.44*	312.89	325.63	328.06		328.58	0.016930	6.36	58.33	43.62	0.79
TRIB3	1	2128.58*	320.11	324.71	327.27		327.81	0.016095	6.56	58.95	40.97	0.78
TRIB3	1	2080.73*	327.42	323.80	326.54		327.08	0.014710	6.70	60.54	38.75	0.76
TRIB3	1	2032.88*	334.72	322.88	325.91		326.42	0.012349	6.68	64.51	40.33	0.71
TRIB3	1	1985.03	341.86	321.97	325.49		325.87	0.008683	6.28	86.68	67.25	0.61
TRIB3	1	1943.02*	348.21	321.74	325.14		325.51	0.008955	6.23	86.26	63.19	0.62
TRIB3	1	1901.01*	354.57	321.51	324.79		325.15	0.008858	6.06	87.04	59.21	0.61
TRIB3	1	1859.01*	360.91	321.27	324.45		324.79	0.008831	5.89	88.50	58.10	0.61
TRIB3	1	1817.00*	367.26	321.04	324.14		324.44	0.008351	5.61	92.25	58.85	0.59
TRIB3	1	1775	373.52	320.81	323.88		324.13	0.007030	5.10	100.99	62.03	0.54
TRIB3	1	1731.25*	380.22	320.51	323.56		323.84	0.007562	5.30	99.21	60.91	0.56
TRIB3	1	1687.5*	386.91	320.21	323.22		323.52	0.008126	5.49	97.48	59.85	0.58
TRIB3	1	1643.75*	393.61	319.90	322.86		323.18	0.008840	5.67	95.32	58.59	0.60
TRIB3	1	1600	400.30	319.60	322.20		322.70	0.015973	7.01	77.76	54.10	0.80
TRIB3	1	1554.*	406.99	318.94	321.50		322.00	0.016214	6.97	78.77	55.44	0.80
TRIB3	1	1508.*	413.66	318.28	320.71		321.25	0.018456	7.16	77.44	57.44	0.84
TRIB3	1	1462.*	420.34	317.62	319.89	319.86	320.45	0.021255	7.31	77.17	62.03	0.90
TRIB3	1	1416.*	427.04	316.96	319.03	318.99	319.58	0.023205	7.13	77.51	64.07	0.92
TRIB3	1	1370	433.74	316.30	318.18		318.66	0.022866	6.56	80.63	66.15	0.90
TRIB3	1	1325.*	433.73	315.33	317.30		317.79	0.023213	6.60	82.11	71.64	0.90
TRIB3	1	1280.*	433.72	314.36	316.43	316.40	316.93	0.023528	6.65	83.12	77.06	0.91
TRIB3	1	1235.*	433.70	313.39	315.56	315.57	316.07	0.023356	6.65	84.05	82.22	0.91
TRIB3	1	1190.*	433.68	312.42	314.73	314.73	315.22	0.021151	6.42	87.18	87.57	0.86
TRIB3	1	1145.*	433.65	311.45	313.84	313.89	314.37	0.022227	6.53	84.77	90.42	0.88
TRIB3	1	1100	433.62	310.48	313.37		313.62	0.008048	4.53	124.89	109.07	0.55
TRIB3	1	1053.*	433.59	310.03	312.97		313.29	0.009513	4.98	109.60	91.85	0.60
TRIB3	1	1006.*	429.98	309.59	312.55		312.89	0.010012	5.12	104.37	85.99	0.62
TRIB3	1	959.*	393.22	309.14	312.28		312.50	0.005994	4.16	118.48	87.11	0.48
TRIB3	1	912.*	388.77	308.70	312.15		312.27	0.003116	3.25	148.74	88.54	0.36
TRIB3	1	865	383.73	308.25	312.09		312.16	0.001504	2.47	189.40	91.06	0.25
TRIB3	1	815.*	941.47	307.37	310.81		311.51	0.017174	7.69	151.98	87.07	0.84
TRIB3	1	765.*	941.05	306.49	309.97		310.67	0.017040	7.83	153.10	88.90	0.84

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB3	1	715.*	941.47	305.60	309.10		309.82	0.017488	8.07	153.55	92.46	0.85
TRIB3	1	665.*	941.37	304.72	308.21	308.19	308.94	0.018078	8.29	154.04	96.79	0.87
TRIB3	1	615.*	941.25	303.84	307.26	307.31	308.05	0.020804	8.83	150.37	105.44	0.93
TRIB3	1	565	941.12	302.96	306.31	306.44	307.07	0.021601	8.94	157.21	128.10	0.94
TRIB3	1	517.5*	942.11	301.49	305.22	305.62	306.54	0.029191	11.23	125.78	97.21	1.12
TRIB3	1	470.*	943.09	300.02	303.93	304.39	305.45	0.032907	12.26	120.57	94.14	1.19
TRIB3	1	422.5*	944.04	298.54	302.61	303.09	304.20	0.035245	12.89	119.65	94.66	1.23
TRIB3	1	375	944.90	297.07	301.22	300.97	302.91	0.040516	13.72	117.43	97.18	1.30
TRIB3	1	325.*	944.89	295.34	299.59	300.08	301.30	0.034886	13.20	102.80	54.80	1.23
TRIB3	1	275.*	944.87	293.61	297.89	298.39	299.73	0.034928	13.50	97.90	48.16	1.24
TRIB3	1	225.*	944.86	291.89	296.26	296.75	298.09	0.032424	13.43	97.78	45.41	1.21
TRIB3	1	175	942.03	290.16	295.03	295.02	296.24	0.018286	11.08	118.98	47.71	0.93
TRIB2B	1	2970	195.45	471.17	472.82	472.86	473.13	0.022636	5.45	52.32	105.65	0.97
TRIB2B	1	2921.25*	190.81	469.71	471.56	471.74	472.14	0.030764	6.88	39.38	87.76	1.15
TRIB2B	1	2872.5*	190.48	468.26	470.14	470.31	470.76	0.030314	6.97	37.31	73.54	1.15
TRIB2B	1	2823.75*	190.18	466.80	468.64	468.87	469.38	0.037308	7.50	33.69	66.28	1.27
TRIB2B	1	2775	189.51	465.34	467.28	467.38	467.76	0.023856	6.31	40.51	66.44	1.03
TRIB2B	1	2733.75*	190.73	464.10	466.20	466.51	467.09	0.030036	7.73	28.86	56.88	1.18
TRIB2B	1	2692.5*	191.75	462.86	465.01	465.27	465.95	0.030193	7.94	26.30	26.08	1.19
TRIB2B	1	2651.25*	192.75	461.63	463.83	464.10	464.85	0.031310	8.28	25.26	23.69	1.22
TRIB2B	1	2610	193.72	460.39	462.70	462.94	463.71	0.028587	8.29	25.62	22.66	1.17
TRIB2B	1	2565.*	194.75	459.32	461.55	461.78	462.50	0.027374	8.05	26.59	23.87	1.15
TRIB2B	1	2520.*	195.74	458.24	460.39	460.60	461.31	0.027077	7.90	27.35	25.30	1.14
TRIB2B	1	2475.*	196.97	457.17	459.21	459.43	460.14	0.029371	7.98	27.28	26.48	1.18
TRIB2B	1	2430.*	198.17	456.09	458.01	458.31	458.98	0.032929	8.15	26.98	27.94	1.24
TRIB2B	1	2385.*	199.33	455.02	456.92	457.12	457.74	0.028012	7.60	29.80	31.92	1.15
TRIB2B	1	2340	200.47	453.94	455.61	455.93	456.69	0.044549	8.65	26.10	32.06	1.41
TRIB2B	1	2291.87*	201.67	452.05	453.88	454.26	455.11	0.046119	9.10	23.96	25.86	1.45
TRIB2B	1	2243.75*	202.82	450.16	452.16	452.56	453.47	0.045089	9.32	23.08	22.48	1.44
TRIB2B	1	2195.63*	203.92	448.26	450.49	450.86	451.78	0.039700	9.23	23.28	20.55	1.36
TRIB2B	1	2147.51*	204.91	446.37	448.75	449.18	450.16	0.041322	9.63	22.24	18.55	1.39
TRIB2B	1	2099.39	206.22	444.48	447.43	447.48	448.33	0.018784	7.74	28.72	19.54	0.97
TRIB2B	1	2049.51*	207.54	443.84	446.60	446.65	447.43	0.018599	7.48	30.21	22.38	0.97
TRIB2B	1	1999.63*	208.82	443.19	445.78	445.85	446.55	0.018453	7.23	31.96	26.13	0.96
TRIB2B	1	1949.75*	210.07	442.55	444.96	445.04	445.67	0.018395	6.99	34.15	31.75	0.96
TRIB2B	1	1899.87*	211.22	441.90	444.14	444.22	444.75	0.017562	6.61	37.96	39.63	0.93
TRIB2B	1	1850	212.26	441.26	443.16	443.33	443.86	0.026391	7.20	35.64	44.03	1.11
TRIB2B	1	1804.*	213.18	440.14	442.08	442.26	442.83	0.028526	7.24	33.41	40.87	1.14
TRIB2B	1	1758.*	214.22	439.01	440.97	441.17	441.76	0.031078	7.24	31.88	39.75	1.18
TRIB2B	1	1712.*	215.42	437.89	439.84	440.05	440.64	0.033872	7.20	30.69	36.58	1.21
TRIB2B	1	1666.*	216.58	436.76	438.70	438.91	439.51	0.036682	7.20	30.17	31.50	1.25
TRIB2B	1	1620	217.69	435.64	437.67	437.74	438.32	0.027974	6.45	33.76	32.39	1.10
TRIB2B	1	1574.27*	217.48	434.66	436.78	436.80	437.38	0.024208	6.23	34.96	32.20	1.03
TRIB2B	1	1528.55*	217.28	433.68	435.88	435.87	436.46	0.021817	6.09	35.79	31.69	0.99
TRIB2B	1	1482.82*	217.08	432.70	434.94	434.93	435.53	0.021901	6.15	35.37	30.78	0.99
TRIB2B	1	1437.10*	216.84	431.73	433.98	434.00	434.60	0.023085	6.35	34.24	29.65	1.02
TRIB2B	1	1391.37*	216.70	430.75	433.02	433.06	433.68	0.023977	6.52	33.34	28.78	1.04
TRIB2B	1	1345.65*	216.66	429.77	432.08	432.12	432.75	0.023480	6.58	33.09	28.23	1.03
TRIB2B	1	1299.93	216.47	428.79	431.29	431.33	431.76	0.014456	5.67	43.88	61.13	0.83
TRIB2	1	8784.93	62.62	488.65	489.91	490.06	490.50	0.043010	6.16	10.35	15.83	1.28
TRIB2	1	8736.62*	62.62	487.01	488.31	488.41	488.85	0.037729	5.95	10.66	15.53	1.20
TRIB2	1	8688.31*	62.62	485.36	486.61	486.77	487.24	0.047227	6.39	9.91	15.41	1.33
TRIB2	1	8640	62.61	483.72	485.03	485.13	485.53	0.032482	5.69	11.38	17.36	1.12
TRIB2	1	8593.75*	64.02	482.59	483.84	483.89	484.28	0.028520	5.35	12.27	17.84	1.06
TRIB2	1	8547.5*	65.54	481.46	482.60	482.66	483.06	0.032993	5.48	12.14	18.19	1.12
TRIB2	1	8501.25*	67.18	480.32	481.73		481.92	0.008342	3.53	19.97	22.75	0.60
TRIB2	1	8455	69.05	479.19	480.04	480.24	480.70	0.065398	6.50	10.64	19.13	1.52
TRIB2	1	8409.*	70.70	476.28	477.27	477.46	477.97	0.060484	6.70	10.58	17.41	1.48
TRIB2	1	8363.*	72.40	473.37	474.45	474.72	475.35	0.076569	7.62	9.51	15.17	1.67
TRIB2	1	8317.*	74.14	470.45	471.73	472.00	472.64	0.062767	7.66	9.73	13.82	1.55
TRIB2	1	8271.*	75.87	467.54	468.90	469.37	470.24	0.094233	9.31	8.18	11.47	1.88
TRIB2	1	8225	77.61	464.63	466.45	466.68	467.33	0.037716	7.63	10.65	20.81	1.26
TRIB2	1	8182.5*	79.60	463.14	464.94	465.17	465.80	0.036768	7.51	11.08	12.33	1.25
TRIB2	1	8140.*	81.62	461.66	463.44	463.65	464.27	0.035729	7.40	11.56	12.95	1.23
TRIB2	1	8097.5*	83.64	460.17	461.91	462.14	462.77	0.038150	7.49	11.66	13.37	1.27
TRIB2	1	8055.*	85.66	458.68	460.43	460.63	461.23	0.035648	7.28	12.33	14.16	1.23
TRIB2	1	8012.5*	87.69	457.20	458.87	459.12	459.77	0.042998	7.67	11.90	14.36	1.34
TRIB2	1	7970	89.71	455.71	457.54	457.61	458.15	0.023836	6.34	15.16	16.73	1.02
TRIB2	1	7925.02*	91.88	454.76	456.54	456.61	457.12	0.023665	6.20	15.81	17.86	1.02
TRIB2	1	7880.04*	94.04	453.81	455.55	455.60	456.10	0.023435	6.08	16.48	19.04	1.01
TRIB2	1	7835.06*	96.20	452.86	454.56	454.61	455.09	0.022919	5.94	17.23	20.31	1.00
TRIB2	1	7790.08*	98.37	451.91	453.56	453.61	454.09	0.023569	5.90	17.68	21.38	1.01
TRIB2	1	7745.10*	100.54	450.96	452.66	452.62	453.08	0.017721	5.32	20.31	23.82	0.88
TRIB2	1	7700.13	102.71	450.01	451.46	451.63	452.14	0.038442	6.69	15.94	21.99	1.25
TRIB2	1	7653.10*	104.99	448.23	449.79	449.96	450.51	0.037639	6.88	15.73	19.87	1.25

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	7606.07*	107.30	446.44	448.12	448.30	448.89	0.037037	7.09	15.56	18.30	1.25
TRIB2	1	7559.05*	109.60	444.66	446.45	446.65	447.29	0.037207	7.36	15.30	16.96	1.26
TRIB2	1	7512.02*	111.91	442.87	444.73	445.01	445.74	0.045526	8.12	14.08	15.28	1.38
TRIB2	1	7465	114.22	441.09	443.51		444.03	0.014440	5.90	20.82	17.55	0.83
TRIB2	1	7421.*	116.39	440.56	442.90	442.82	443.43	0.014987	6.02	21.36	19.08	0.84
TRIB2	1	7377.*	118.55	440.04	442.24	442.24	442.81	0.016848	6.27	21.49	20.87	0.89
TRIB2	1	7333.*	120.72	439.51	441.56	441.62	442.16	0.019430	6.54	21.75	23.27	0.96
TRIB2	1	7289.*	122.89	438.99	440.90	440.98	441.46	0.020045	6.51	23.77	29.16	0.97
TRIB2	1	7245	125.06	438.46	440.07	440.22	440.65	0.029118	7.00	23.94	36.18	1.14
TRIB2	1	7198.57*	125.04	437.31	438.98	439.22	439.74	0.033526	7.60	20.72	31.13	1.22
TRIB2	1	7152.14*	125.02	436.16	437.89	438.09	438.67	0.032235	7.50	19.62	25.10	1.20
TRIB2	1	7105.71*	125.00	435.01	436.79	436.99	437.57	0.030896	7.37	19.25	23.27	1.18
TRIB2	1	7059.28*	124.98	433.85	435.68	435.86	436.44	0.029315	7.17	19.21	22.15	1.14
TRIB2	1	7012.85*	124.95	432.70	434.58	434.72	435.29	0.027007	6.90	19.52	21.47	1.10
TRIB2	1	6966.42*	124.94	431.55	433.44	433.57	434.16	0.027940	6.89	19.13	20.68	1.11
TRIB2	1	6920	124.93	430.40	432.47	432.43	432.99	0.017781	5.89	22.38	21.65	0.90
TRIB2	1	6870.93*	124.93	429.57	431.66	431.61	432.17	0.017371	5.80	22.65	22.05	0.89
TRIB2	1	6821.87*	124.92	428.74	430.86	430.79	431.36	0.017020	5.72	22.86	22.26	0.88
TRIB2	1	6772.81*	124.90	427.91	430.03	429.97	430.54	0.017900	5.76	22.51	22.17	0.90
TRIB2	1	6723.74*	124.88	427.08	429.19	429.16	429.71	0.019121	5.83	22.04	21.78	0.92
TRIB2	1	6674.68*	120.03	426.25	428.45		428.87	0.014583	5.24	23.66	22.84	0.81
TRIB2	1	6625.62*	118.94	425.42	428.23		428.39	0.003636	3.34	39.85	32.15	0.43
TRIB2	1	6576.56	118.78	424.59	428.21		428.27	0.000870	2.06	71.53	47.40	0.22
TRIB2	2	6527.5	335.25	423.76	426.82	426.92	427.70	0.019042	7.64	47.89	37.24	0.99
TRIB2	2	6478.43*	335.08	422.93	426.01	426.11	426.88	0.019103	7.64	47.67	37.47	0.99
TRIB2	2	6429.37*	334.87	422.10	425.19	425.30	426.07	0.019054	7.62	47.55	37.79	0.99
TRIB2	2	6380.31*	334.61	421.27	424.38	424.49	425.26	0.019144	7.63	47.25	37.96	0.99
TRIB2	2	6331.25*	334.31	420.44	423.56	423.68	424.44	0.019188	7.62	46.97	37.95	0.99
TRIB2	2	6282.18*	333.97	419.61	422.75	422.88	423.63	0.019193	7.61	46.75	38.15	0.99
TRIB2	2	6233.12*	333.92	418.78	421.94	422.05	422.82	0.019170	7.59	46.56	38.12	0.99
TRIB2	2	6184.06*	333.83	417.95	421.12	421.24	422.01	0.019367	7.60	46.14	38.11	0.99
TRIB2	2	6135	333.69	417.12	420.31	420.54	421.19	0.019279	7.58	46.00	37.97	0.99
TRIB2	2	6087.5*	333.52	416.36	419.53	419.64	420.42	0.019210	7.62	46.05	37.44	0.99
TRIB2	2	6040.*	333.33	415.60	418.74	418.86	419.64	0.019253	7.67	46.14	37.53	0.99
TRIB2	2	5992.5*	333.11	414.84	417.95	418.08	418.86	0.019419	7.73	46.23	37.98	1.00
TRIB2	2	5945.*	332.86	414.08	417.15	417.32	418.07	0.019805	7.81	46.29	38.87	1.01
TRIB2	2	5897.5*	332.55	413.33	416.35	416.53	417.27	0.020127	7.87	46.61	40.21	1.01
TRIB2	2	5850.*	332.53	412.57	415.53	415.73	416.47	0.020822	7.97	46.94	42.04	1.03
TRIB2	2	5802.5*	332.48	411.81	414.62	414.91	415.70	0.026069	8.57	43.99	42.46	1.14
TRIB2	2	5755	332.38	411.05	413.72	413.93	414.93	0.031870	9.12	42.19	111.56	1.25
TRIB2	2	5708.12*	335.11	410.28	412.95	413.19	413.69	0.022896	7.72	64.95	113.34	1.06
TRIB2	2	5661.25*	337.76	409.51	412.20	412.46	413.00	0.024161	7.97	63.33	115.37	1.09
TRIB2	2	5614.37*	340.32	408.74	411.44	411.74	412.31	0.025648	8.23	61.32	114.59	1.12
TRIB2	2	5567.5*	342.89	407.97	410.68	411.01	411.55	0.025732	8.26	59.92	98.90	1.13
TRIB2	2	5520.62*	345.72	407.20	409.92	410.28	410.78	0.025883	8.29	59.80	93.97	1.13
TRIB2	2	5473.75*	348.47	406.43	409.15	409.34	410.01	0.026163	8.32	59.85	90.62	1.13
TRIB2	2	5426.87*	351.12	405.66	408.39	408.69	409.20	0.024760	8.12	61.89	88.56	1.10
TRIB2	2	5380	353.62	404.89	407.73	407.87	408.32	0.017888	7.17	71.83	97.54	0.95
TRIB2	2	5330.38*	356.20	404.21	407.09	407.30	407.81	0.018762	7.58	66.80	89.91	0.98
TRIB2	2	5280.76*	359.15	403.53	406.45	406.72	407.22	0.018190	7.65	62.40	73.82	0.97
TRIB2	2	5231.15*	362.03	402.85	405.78	405.95	406.60	0.017905	7.72	59.55	66.83	0.97
TRIB2	2	5181.53*	364.87	402.17	405.09	405.29	405.93	0.017707	7.74	57.03	59.88	0.96
TRIB2	2	5131.92*	367.68	401.49	404.38	404.53	405.21	0.017271	7.67	56.99	49.30	0.95
TRIB2	2	5082.30*	370.47	400.81	403.66	403.80	404.48	0.017141	7.62	57.60	49.44	0.95
TRIB2	2	5032.69*	373.12	400.12	402.94	403.05	403.75	0.017042	7.58	58.19	49.74	0.95
TRIB2	2	4983.07*	376.12	399.44	402.21	402.31	403.02	0.017071	7.56	58.83	50.47	0.95
TRIB2	2	4933.46*	379.09	398.76	401.49	401.49	402.29	0.016971	7.52	59.71	51.69	0.95
TRIB2	2	4883.84*	382.03	398.08	400.77	400.75	401.55	0.016758	7.47	60.95	57.97	0.94
TRIB2	2	4834.23*	384.93	397.40	400.05	400.23	400.81	0.016516	7.39	63.15	68.66	0.93
TRIB2	2	4784.61*	387.80	396.72	399.33	399.50	400.08	0.016377	7.35	66.01	71.53	0.93
TRIB2	2	4735	390.63	396.04	398.58	398.75	399.31	0.016441	7.29	67.74	78.47	0.93
TRIB2	2	4689.09*	393.19	395.29	397.87	398.05	398.63	0.017064	7.42	66.34	72.01	0.95
TRIB2	2	4643.18*	395.72	394.53	397.15	397.34	397.94	0.017573	7.54	65.21	69.89	0.96
TRIB2	2	4597.27*	398.26	393.78	396.44	396.63	397.25	0.017834	7.61	64.61	67.91	0.97
TRIB2	2	4551.36*	400.98	393.03	395.72	395.93	396.55	0.018175	7.69	63.65	64.10	0.98
TRIB2	2	4505.45*	403.67	392.27	395.00	395.21	395.86	0.018645	7.79	62.80	61.88	0.99
TRIB2	2	4459.54*	406.33	391.52	394.29	394.48	395.16	0.018780	7.84	62.39	59.93	0.99
TRIB2	2	4413.63*	408.97	390.76	393.58	393.76	394.45	0.018822	7.87	62.24	58.42	0.99
TRIB2	2	4367.72*	411.58	390.01	392.86	393.06	393.74	0.018802	7.90	62.19	57.21	0.99
TRIB2	2	4321.81*	414.17	389.26	392.15	392.34	393.03	0.018683	7.90	62.16	55.27	0.99
TRIB2	2	4275.90*	416.75	388.50	391.44	391.62	392.32	0.018304	7.87	62.57	54.46	0.98
TRIB2	2	4230	419.34	387.75	390.46	390.90	391.79	0.032389	9.54	49.15	44.17	1.28
TRIB2	2	4184.*	421.97	386.46	389.17	389.61	390.53	0.032133	9.63	48.92	42.72	1.28
TRIB2	2	4138.*	424.58	385.17	387.89	388.33	389.27	0.032155	9.72	48.99	42.50	1.28
TRIB2	2	4092.*	427.28	383.88	386.59	387.07	387.98	0.032075	9.78	49.64	43.60	1.28

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	4046.*	430.01	382.59	385.29	385.77	386.69	0.032285	9.87	50.63	46.60	1.29
TRIB2	2	4000.*	432.74	381.30	383.99	384.39	385.37	0.032092	9.89	52.38	50.80	1.29
TRIB2	2	3954.*	435.45	380.01	382.70	383.07	383.98	0.030655	9.71	55.22	53.14	1.26
TRIB2	2	3908.*	433.73	378.72	381.35	381.73	382.60	0.031805	9.75	55.48	52.74	1.28
TRIB2	2	3862.*	374.52	377.43	380.49		380.91	0.008637	5.91	84.58	65.90	0.69
TRIB2	2	3816.*	376.38	376.14	380.49		380.55	0.000965	2.67	243.64	176.16	0.25
TRIB2	2	3770	378.02	374.85	380.50		380.51	0.000137	1.24	494.71	200.73	0.10
TRIB2	2	3722.5*	377.37	373.88	380.49		380.50	0.000090	1.12	550.19	199.46	0.08
TRIB2	2	3675.*	376.73	372.92	380.49		380.50	0.000056	0.96	633.07	202.51	0.07
TRIB2	2	3627.5*	376.07	371.95	380.49		380.50	0.000034	0.80	754.35	219.22	0.05
TRIB2	2	3580	375.36	370.98	380.49		380.50	0.000019	0.65	939.14	246.58	0.04
TRIB2	2	3500	Culvert									
TRIB2	2	3490	375.36	369.21	373.75		374.49	0.009746	6.97	56.54	25.22	0.73
TRIB2	2	3442.*	375.35	369.13	373.31		374.02	0.009511	6.83	58.27	27.56	0.73
TRIB2	2	3394.*	375.34	369.06	372.88		373.56	0.009723	6.76	59.69	30.89	0.74
TRIB2	2	3346.*	375.32	368.98	372.46		373.12	0.009916	6.66	62.06	35.70	0.75
TRIB2	2	3298.*	375.30	368.91	372.00		372.65	0.010942	6.69	64.19	43.29	0.78
TRIB2	2	3250	375.30	368.83	371.36	371.44	372.12	0.017105	7.40	60.29	51.72	0.95
TRIB2	2	3203.*	376.05	367.92	370.58	370.69	371.41	0.018167	7.63	57.09	46.56	0.98
TRIB2	2	3156.*	376.81	367.02	369.84	369.91	370.65	0.017602	7.59	57.06	44.49	0.96
TRIB2	2	3109.*	377.56	366.11	369.09	369.14	369.89	0.017119	7.54	57.52	44.11	0.95
TRIB2	2	3062.*	378.31	365.21	368.33	368.39	369.13	0.016905	7.52	57.89	44.34	0.94
TRIB2	2	3015	379.06	364.30	367.62	367.64	368.36	0.014976	7.23	61.11	46.84	0.89
TRIB2	2	2970.*	379.78	363.86	367.02	366.99	367.73	0.014201	7.00	61.52	48.58	0.87
TRIB2	2	2925.*	380.50	363.41	366.44	366.39	367.13	0.013987	6.80	62.31	52.18	0.86
TRIB2	2	2880	381.22	362.97	365.87	365.76	366.49	0.013478	6.47	66.32	56.71	0.84
TRIB2	2	2834.83*	381.94	362.40	365.30	365.37	365.94	0.014104	6.70	68.08	67.46	0.86
TRIB2	2	2789.67*	382.66	361.84	364.67	364.73	365.31	0.015275	6.91	68.95	65.10	0.89
TRIB2	2	2744.50*	383.38	361.27	364.05	364.05	364.63	0.015202	6.83	71.34	63.01	0.89
TRIB2	2	2699.34	384.10	360.70	363.69		364.03	0.008163	5.39	90.50	64.67	0.66
TRIB2	2	2653.25*	384.82	360.07	363.07	363.10	363.71	0.014296	7.23	70.60	59.82	0.88
TRIB2	2	2607.17*	385.54	359.45	362.37	362.69	363.30	0.020598	8.59	59.10	54.40	1.05
TRIB2	2	2561.08*	386.26	358.82	361.52	361.72	362.33	0.023137	8.57	64.57	67.64	1.09
TRIB2	2	2515	386.92	358.19	360.93		361.17	0.006928	4.82	104.11	72.40	0.60
TRIB2	2	2473.*	387.58	357.48	360.50	360.73	361.36	0.018498	8.49	65.60	66.41	1.00
TRIB2	2	2431.*	388.24	356.78	359.83	360.06	360.90	0.020264	8.91	52.48	37.26	1.05
TRIB2	2	2389.*	388.90	356.07	359.05	359.29	360.16	0.021314	8.91	50.94	36.47	1.07
TRIB2	2	2347.*	389.55	355.37	358.30	358.46	359.27	0.019213	8.33	54.70	39.94	1.01
TRIB2	2	2305	390.21	354.66	357.73		358.32	0.011221	6.65	72.33	52.63	0.78
TRIB2	2	2263.33*	390.85	354.11	357.27		357.90	0.011605	6.77	68.93	48.18	0.80
TRIB2	2	2221.66*	391.49	353.55	356.83		357.45	0.011177	6.69	68.55	46.58	0.78
TRIB2	2	2180	392.13	353.00	356.46		357.01	0.009100	6.24	73.63	48.36	0.71
TRIB2	2	2138.*	392.78	352.65	356.06		356.63	0.009684	6.41	71.57	47.47	0.74
TRIB2	2	2096.*	393.43	352.30	355.63		356.25	0.010526	6.62	69.30	46.83	0.77
TRIB2	2	2054.*	394.08	351.96	355.16	355.07	355.84	0.012030	6.94	66.27	46.54	0.81
TRIB2	2	2012.*	394.74	351.61	354.67	354.65	355.41	0.014045	7.28	63.77	47.60	0.87
TRIB2	2	1970	395.39	351.26	354.19	354.29	354.85	0.014060	7.09	72.65	70.53	0.87
TRIB2	2	1928.*	396.04	350.82	353.73	353.85	354.39	0.014432	7.13	74.24	78.16	0.88
TRIB2	2	1886.*	396.69	350.39	353.28	353.41	353.93	0.014577	7.11	75.65	82.76	0.88
TRIB2	2	1844.*	397.33	349.95	352.85	352.84	353.44	0.013607	6.87	78.39	80.35	0.85
TRIB2	2	1802.*	389.47	349.52	352.49	352.36	352.95	0.010403	6.16	87.80	86.68	0.74
TRIB2	2	1760	389.65	349.08	352.28		352.58	0.006317	5.13	113.60	113.75	0.59
TRIB2	2	1716.*	389.96	348.40	351.76		352.29	0.009101	6.31	77.21	54.81	0.71
TRIB2	2	1672.*	399.92	347.71	351.17	351.10	351.96	0.012588	7.45	62.80	41.36	0.84
TRIB2	2	1628.*	400.59	347.03	350.61	350.58	351.51	0.013788	7.90	57.80	34.60	0.88
TRIB2	2	1584.*	401.27	346.34	350.00	350.07	351.00	0.015373	8.35	55.14	33.03	0.93
TRIB2	2	1540	401.94	345.66	349.19	349.52	350.50	0.022781	9.61	48.63	33.06	1.11
TRIB2	2	1490.*	402.70	344.89	348.12	348.36	349.24	0.022242	8.72	51.13	36.80	1.08
TRIB2	2	1440.*	403.46	344.12	347.15	347.31	348.11	0.021687	8.01	54.20	41.34	1.05
TRIB2	2	1390.*	404.22	343.35	346.22	346.34	347.07	0.021431	7.47	57.51	47.74	1.03
TRIB2	2	1340	404.80	342.58	345.32	345.41	346.04	0.020944	6.94	63.28	60.77	1.01
TRIB2	2	1298.75*	400.72	341.95	344.67	344.66	345.27	0.015855	6.34	69.20	62.34	0.89
TRIB2	2	1257.5*	398.40	341.33	344.26		344.61	0.007398	4.94	91.48	69.70	0.63
TRIB2	2	1216.25*	390.99	340.70	344.24		344.37	0.001980	3.18	148.64	86.34	0.34
TRIB2	2	1175	391.46	340.08	344.25		344.31	0.000686	2.22	222.25	101.26	0.21
TRIB2	2	1125.*	391.43	339.49	344.24		344.28	0.000353	1.77	283.99	109.90	0.15
TRIB2	2	1075.*	391.40	338.89	344.24		344.26	0.000196	1.44	352.20	117.98	0.12
TRIB2	2	1025	391.37	338.30	344.24		344.26	0.000118	1.21	424.26	126.65	0.09
TRIB1	1	15010	133.57	485.17	486.79	487.04	487.58	0.038352	7.25	20.07	31.71	1.27
TRIB1	1	14964.*	133.52	483.66	485.09	485.30	485.80	0.039844	6.81	20.71	31.24	1.28
TRIB1	1	14918.*	133.47	482.16	483.42	483.59	484.05	0.040418	6.42	21.73	33.61	1.27
TRIB1	1	14872.*	133.44	480.65	481.77	481.90	482.33	0.040300	6.06	22.90	36.81	1.25
TRIB1	1	14826.*	133.43	479.15	480.12	480.24	480.64	0.042142	5.84	23.64	40.03	1.26
TRIB1	1	14780	133.42	477.64	478.44	478.59	478.99	0.053098	5.99	22.92	43.05	1.38
TRIB1	1	14731.6*	136.38	475.53	476.58	476.70	477.11	0.044047	5.86	23.79	40.19	1.28

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	14683.3*	139.34	473.42	474.65	474.82	475.28	0.050008	6.39	22.13	35.78	1.37
TRIB1	1	14635.*	142.30	471.32	472.79	472.94	473.40	0.040021	6.30	22.91	32.93	1.25
TRIB1	1	14586.6*	145.26	469.21	470.81	471.05	471.60	0.050225	7.16	20.31	25.92	1.41
TRIB1	1	14538.3*	148.22	467.10	469.03	469.24	469.68	0.031816	6.48	22.97	27.47	1.15
TRIB1	1	14490	151.17	464.99	466.86	467.39	468.09	0.064263	8.90	16.98	18.09	1.62
TRIB1	1	14445.*	153.89	462.39	464.27	464.63	465.40	0.057135	8.52	18.06	18.83	1.53
TRIB1	1	14400.*	156.61	459.80	461.59	461.99	462.85	0.066678	9.01	17.39	18.76	1.65
TRIB1	1	14355.*	159.32	457.20	459.04	459.35	460.07	0.049649	8.15	19.60	20.56	1.44
TRIB1	1	14310.*	162.04	454.61	456.23	456.70	457.73	0.084362	9.80	16.53	19.08	1.84
TRIB1	1	14265	164.76	452.01	453.96	454.05	454.67	0.024713	6.79	25.10	23.96	1.06
TRIB1	1	14217.5*	185.02	450.79	452.77	452.91	453.56	0.027153	7.22	26.80	25.84	1.12
TRIB1	1	14170.*	187.92	449.57	451.52	451.69	452.32	0.028342	7.28	27.23	27.43	1.14
TRIB1	1	14122.5*	190.81	448.36	450.30	450.46	451.07	0.027385	7.15	28.57	30.01	1.12
TRIB1	1	14075.*	193.69	447.14	449.05	449.22	449.81	0.028416	7.17	29.43	33.27	1.14
TRIB1	1	14027.5*	196.57	445.92	447.72	447.98	448.60	0.037536	7.74	28.31	38.91	1.29
TRIB1	1	13980	199.47	444.70	446.50	446.67	447.18	0.031079	7.04	33.22	45.04	1.17
TRIB1	1	13930.*	202.49	443.38	445.36	445.51	446.03	0.026968	6.91	33.98	43.08	1.10
TRIB1	1	13880.*	205.51	442.05	444.18	444.35	444.90	0.027093	7.11	32.92	40.00	1.11
TRIB1	1	13830.*	208.52	440.73	443.01	443.18	443.76	0.026210	7.19	32.44	37.35	1.10
TRIB1	1	13780.*	211.51	439.41	441.83	442.01	442.61	0.025374	7.26	32.07	34.80	1.09
TRIB1	1	13730.*	214.51	438.08	440.63	440.81	441.46	0.025883	7.44	31.19	31.93	1.10
TRIB1	1	13680	217.50	436.76	439.46	439.62	440.29	0.024042	7.38	31.58	30.25	1.06
TRIB1	1	13635.8*	220.15	435.83	438.45	438.57	439.21	0.023202	7.06	32.90	31.99	1.04
TRIB1	1	13591.6*	222.78	434.89	437.45	437.53	438.15	0.022681	6.79	34.24	34.04	1.02
TRIB1	1	13547.5*	225.41	433.96	436.46	436.52	437.12	0.022545	6.57	35.43	35.92	1.01
TRIB1	1	13503.3*	228.03	433.03	435.48	435.52	436.11	0.022624	6.40	36.59	38.20	1.01
TRIB1	1	13459.1*	230.64	432.09	434.50	434.54	435.11	0.022896	6.26	37.63	40.30	1.00
TRIB1	1	13415	233.23	431.16	433.63	433.57	434.12	0.018063	5.67	42.70	48.45	0.90
TRIB1	1	13367.*	233.06	430.40	432.78	432.81	433.26	0.018631	5.59	44.48	58.94	0.91
TRIB1	1	13319.*	233.05	429.63	431.92	431.96	432.39	0.020903	5.62	45.44	63.91	0.95
TRIB1	1	13271.*	232.95	428.87	431.20	431.11	431.49	0.013157	4.61	62.15	102.58	0.76
TRIB1	1	13223.*	232.21	428.10	431.01		431.02	0.000565	1.26	224.05	166.53	0.17
TRIB1	1	13175	232.14	427.34	431.00		431.01	0.000083	0.62	404.58	178.14	0.07
TRIB1	1	13100	Culvert									
TRIB1	1	13085	232.14	425.97	427.75		427.89	0.017954	3.91	85.36	199.52	0.82
TRIB1	1	13041.2*	232.03	425.44	426.98	427.06	427.27	0.028885	5.06	67.95	207.74	1.05
TRIB1	1	12997.5*	231.90	424.91	426.24	426.36	426.60	0.027689	5.21	58.44	200.31	1.04
TRIB1	1	12953.7*	231.74	424.38	425.43	425.46	425.73	0.023408	4.68	59.75	128.34	0.95
TRIB1	1	12910	231.53	423.85	424.64		424.86	0.018691	4.07	67.49	132.43	0.85
TRIB1	1	12866.6*	231.49	423.14	423.96		424.18	0.018335	4.08	66.88	125.00	0.84
TRIB1	1	12823.3*	231.41	422.43	423.29		423.51	0.018171	4.10	66.49	121.20	0.84
TRIB1	1	12780.*	231.28	421.73	422.62		422.83	0.017355	4.08	67.12	119.39	0.82
TRIB1	1	12736.6*	231.11	421.02	421.93		422.16	0.017842	4.15	66.11	116.83	0.84
TRIB1	1	12693.3*	230.87	420.31	421.30		421.49	0.014103	3.87	71.43	118.14	0.75
TRIB1	1	12650	230.82	419.60	420.52	420.52	420.80	0.023654	4.63	59.44	110.26	0.96
TRIB1	1	12607.5*	232.85	418.64	419.61	419.62	419.92	0.022920	4.85	57.72	103.25	0.95
TRIB1	1	12565.*	234.87	417.67	418.68	418.71	419.03	0.023327	5.11	54.91	94.41	0.97
TRIB1	1	12522.5*	236.88	416.71	417.74	417.77	418.13	0.023904	5.34	52.32	83.43	0.99
TRIB1	1	12480.*	238.77	415.75	416.80	416.84	417.22	0.024175	5.55	50.53	75.54	1.01
TRIB1	1	12437.5*	240.92	414.78	415.88	415.91	416.32	0.023597	5.70	49.64	69.36	1.01
TRIB1	1	12395	198.75	413.82	415.28		415.43	0.005510	3.43	72.40	80.97	0.51
TRIB1	1	12345.*	349.82	413.04	414.51	414.47	414.93	0.015992	5.86	75.63	85.35	0.87
TRIB1	1	12295.*	352.04	412.26	413.71	413.63	414.12	0.016276	5.88	77.73	92.72	0.88
TRIB1	1	12245.*	354.58	411.49	412.88	412.85	413.30	0.017161	5.92	78.83	97.43	0.90
TRIB1	1	12195.*	357.08	410.71	412.01	412.05	412.45	0.019989	6.14	77.22	100.92	0.96
TRIB1	1	12145	359.45	409.93	411.36		411.62	0.010937	4.86	96.63	102.93	0.72
TRIB1	1	12097.*	361.34	409.14	410.75		411.10	0.012352	5.37	86.91	94.57	0.78
TRIB1	1	12049.*	363.82	408.35	410.05	409.99	410.49	0.014287	5.78	76.66	78.91	0.84
TRIB1	1	12001.*	366.28	407.57	409.36	409.31	409.85	0.014769	5.90	72.32	70.85	0.85
TRIB1	1	11953.*	368.71	406.78	408.64	408.60	409.16	0.015646	6.02	68.50	64.81	0.87
TRIB1	1	11905	371.11	405.99	408.07		408.49	0.010997	5.36	76.32	64.99	0.74
TRIB1	1	11855.*	373.63	405.57	407.55		407.96	0.011241	5.37	78.53	69.28	0.75
TRIB1	1	11805.*	375.89	405.15	407.02		407.42	0.011526	5.36	81.23	74.91	0.76
TRIB1	1	11755.*	378.60	404.74	406.48		406.86	0.011710	5.31	84.81	81.61	0.76
TRIB1	1	11705.*	381.27	404.32	405.91		406.27	0.012408	5.31	87.53	88.63	0.78
TRIB1	1	11655	383.84	403.90	405.51		405.75	0.007746	4.40	110.53	105.99	0.62
TRIB1	1	11608.9*	386.13	403.47	405.10		405.37	0.008928	4.73	101.61	96.95	0.67
TRIB1	1	11562.9*	388.18	403.03	404.65		404.95	0.009803	4.90	98.20	95.09	0.70
TRIB1	1	11516.9*	390.69	402.60	404.21		404.50	0.009946	4.89	100.53	101.46	0.70
TRIB1	1	11470.9*	393.16	402.16	403.62		403.98	0.014213	5.41	93.44	110.76	0.82
TRIB1	1	11424.96	395.51	401.73	403.31		403.44	0.005721	3.61	155.75	184.18	0.53
TRIB1	1	11378.9*	397.23	401.36	403.01		403.18	0.006509	3.99	142.05	173.62	0.57
TRIB1	1	11332.9*	399.69	400.99	402.63		402.86	0.008106	4.46	121.35	143.28	0.63
TRIB1	1	11286.9*	402.09	400.61	402.23		402.48	0.008394	4.51	110.07	103.65	0.64
TRIB1	1	11240.9*	404.51	400.24	401.81		402.08	0.009086	4.63	106.01	98.92	0.67

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	11195	406.88	399.87	401.31		401.61	0.011549	4.93	99.98	101.27	0.74
TRIB1	1	11153.3*	409.19	399.24	400.68		401.08	0.014732	5.65	91.43	99.90	0.84
TRIB1	1	11111.6*	411.39	398.60	400.07	400.11	400.43	0.014874	5.77	105.17	151.92	0.85
TRIB1	1	11070	412.79	397.97	399.87		399.94	0.002369	2.76	216.83	185.26	0.35
TRIB1	1	11023.7*	415.25	397.46	399.48		399.82	0.008782	5.30	103.57	101.94	0.68
TRIB1	1	10977.5*	417.70	396.96	398.99		399.39	0.010157	5.48	90.53	74.94	0.73
TRIB1	1	10931.2*	420.14	396.45	398.51		398.93	0.010590	5.41	88.13	72.60	0.73
TRIB1	1	10884.9*	422.57	395.95	398.04		398.46	0.010911	5.29	87.56	73.38	0.74
TRIB1	1	10838.7*	424.97	395.44	397.59		397.98	0.010932	5.13	88.43	74.63	0.73
TRIB1	1	10792.4*	427.12	394.93	397.13		397.51	0.010937	4.98	89.61	76.05	0.73
TRIB1	1	10746.2*	428.44	394.43	396.72		397.06	0.009847	4.67	94.21	78.25	0.69
TRIB1	1	10699.98	428.99	393.92	396.46		396.70	0.006418	3.98	110.64	85.26	0.56
TRIB1	1	10655.9*	429.32	393.56	396.28		396.47	0.004287	3.53	128.80	98.48	0.47
TRIB1	1	10611.9*	429.37	393.20	396.19		396.32	0.002413	2.94	166.46	132.56	0.36
TRIB1	1	10567.9*	432.48	392.84	396.16		396.23	0.001209	2.31	239.59	196.18	0.26
TRIB1	1	10524.*	435.52	392.48	396.15		396.18	0.000522	1.67	351.50	224.72	0.18
TRIB1	1	10480	438.53	392.12	396.14		396.16	0.000243	1.24	476.92	243.22	0.12
TRIB1	1	10436.0*	438.34	391.44	396.14		396.15	0.000137	1.05	567.49	240.30	0.10
TRIB1	1	10392.0*	438.15	390.77	396.14		396.15	0.000086	0.92	653.95	238.89	0.08
TRIB1	1	10348.0*	437.96	390.09	396.14		396.14	0.000058	0.83	737.08	238.95	0.07
TRIB1	1	10304.0*	437.72	389.42	396.14		396.14	0.000042	0.76	846.43	301.10	0.06
TRIB1	1	10260.08	437.40	388.74	396.13		396.14	0.000035	0.74	923.52	417.20	0.05
TRIB1	1	10200	Culvert									
TRIB1	1	10160	436.95	388.21	391.71		391.86	0.003257	3.73	161.20	115.82	0.43
TRIB1	1	10111.6*	436.75	387.62	391.29		391.71	0.007581	5.75	103.99	98.02	0.65
TRIB1	1	10063.3*	436.47	387.02	390.84	390.59	391.44	0.009620	6.48	82.45	77.94	0.73
TRIB1	1	10015	435.54	386.43	390.59		390.96	0.005856	5.33	106.97	91.27	0.58
TRIB1	1	9966.25*	435.40	385.96	390.11		390.64	0.008257	6.04	81.06	51.94	0.68
TRIB1	1	9917.5*	435.25	385.49	389.70		390.27	0.009318	6.18	76.81	53.14	0.71
TRIB1	1	9868.75*	434.73	385.02	389.31	389.00	389.76	0.008347	5.65	96.94	99.37	0.67
TRIB1	1	9820	437.15	384.55	389.14		389.25	0.002738	3.30	202.08	190.76	0.38
TRIB1	1	9777.*	438.11	384.19	388.61		389.15	0.009211	6.00	78.09	49.72	0.70
TRIB1	1	9734.*	439.87	383.83	388.21		388.78	0.009160	6.10	76.20	42.95	0.71
TRIB1	1	9691.*	441.67	383.47	387.84		388.41	0.009054	6.17	76.89	44.50	0.70
TRIB1	1	9648.*	443.44	383.11	387.47		388.04	0.009150	6.23	79.08	49.91	0.71
TRIB1	1	9605	444.30	382.75	387.20		387.68	0.007815	5.87	92.13	68.56	0.65
TRIB1	1	9555.*	446.71	382.73	386.80		387.31	0.007825	5.97	88.32	60.70	0.66
TRIB1	1	9505.*	449.08	382.71	386.39		386.93	0.008113	6.10	85.39	55.94	0.68
TRIB1	1	9455	450.79	382.69	386.12		386.55	0.006422	5.59	100.35	74.07	0.61
TRIB1	1	9407.5*	453.11	382.36	385.79		386.24	0.006754	5.77	98.69	73.00	0.63
TRIB1	1	9360.*	455.39	382.02	385.46		385.93	0.007139	5.95	96.78	71.06	0.65
TRIB1	1	9312.5*	457.11	381.69	385.13		385.61	0.007333	6.07	96.08	69.34	0.65
TRIB1	1	9265	459.54	381.36	384.77		385.28	0.007791	6.26	94.05	66.13	0.67
TRIB1	1	9220.*	461.82	380.81	384.39		384.96	0.008127	6.48	88.01	57.68	0.69
TRIB1	1	9175.*	464.08	380.26	384.01		384.62	0.008278	6.62	85.19	54.17	0.70
TRIB1	1	9130.*	466.32	379.70	383.63		384.26	0.008338	6.70	83.74	52.12	0.70
TRIB1	1	9085.*	468.57	379.15	383.25		383.89	0.008362	6.76	83.04	51.06	0.70
TRIB1	1	9040.*	470.82	378.60	382.83		383.50	0.008670	6.88	81.69	50.03	0.71
TRIB1	1	8995.*	472.92	378.04	382.45		383.12	0.008583	6.88	82.30	50.20	0.71
TRIB1	1	8950.*	475.26	377.49	382.10		382.74	0.008175	6.78	84.64	51.15	0.69
TRIB1	1	8905	477.57	376.94	381.83		382.39	0.006927	6.40	91.91	54.15	0.64
TRIB1	1	8862.5*	479.69	376.91	381.60		382.10	0.006380	6.03	96.14	57.20	0.61
TRIB1	1	8820.*	481.35	376.88	381.38		381.84	0.005978	5.72	100.16	60.32	0.59
TRIB1	1	8777.5*	483.57	376.85	381.17		381.59	0.005692	5.46	104.01	63.37	0.58
TRIB1	1	8735.*	485.76	376.81	380.95		381.35	0.005550	5.26	107.14	66.12	0.57
TRIB1	1	8692.5*	487.94	376.78	380.73		381.12	0.005633	5.15	108.70	68.15	0.57
TRIB1	1	8650	490.08	376.75	380.47		380.86	0.006171	5.16	107.01	67.74	0.59
TRIB1	1	8606.66*	492.30	376.40	380.20		380.61	0.006477	5.38	106.18	70.40	0.61
TRIB1	1	8563.33*	494.51	376.05	379.89		380.34	0.007278	5.72	103.13	71.79	0.64
TRIB1	1	8520	496.72	375.70	379.46		380.05	0.010083	6.53	92.08	68.45	0.75
TRIB1	1	8471.42*	498.96	375.41	379.02		379.58	0.009664	6.29	93.54	68.16	0.73
TRIB1	1	8422.85*	501.42	375.12	378.56		379.11	0.009691	6.14	93.71	67.07	0.73
TRIB1	1	8374.28*	503.86	374.83	378.11		378.64	0.009916	6.04	93.79	66.59	0.73
TRIB1	1	8325.71*	506.29	374.54	377.68		378.18	0.009729	5.86	95.83	67.38	0.72
TRIB1	1	8277.14*	508.70	374.25	377.26		377.73	0.009509	5.68	98.56	69.16	0.71
TRIB1	1	8228.57*	511.10	373.96	376.85		377.29	0.009157	5.48	102.26	72.03	0.70
TRIB1	1	8180	513.53	373.67	376.47		376.87	0.008473	5.22	108.21	76.90	0.67
TRIB1	1	8139.*	532.82	372.96	376.06		376.51	0.009187	5.46	105.13	72.15	0.70
TRIB1	1	8098.*	535.03	372.25	375.74		376.16	0.008381	5.32	107.43	71.73	0.67
TRIB1	1	8057.*	537.07	371.53	375.44		375.84	0.007700	5.18	110.21	73.24	0.64
TRIB1	1	8016.*	539.42	370.82	375.10		375.52	0.007958	5.23	108.95	75.04	0.65
TRIB1	1	7975	541.69	370.11	374.82		375.24	0.007869	5.19	111.54	99.46	0.64
TRIB1	1	7926.42*	544.14	369.89	374.46		374.88	0.007178	5.23	109.76	67.71	0.62
TRIB1	1	7877.85*	546.60	369.67	374.13		374.55	0.006466	5.26	110.69	61.63	0.60
TRIB1	1	7829.28*	548.76	369.45	373.83		374.25	0.005872	5.31	111.76	57.57	0.58

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	7780.71*	551.34	369.22	373.55		373.98	0.005429	5.40	112.84	54.92	0.57
TRIB1	1	7732.14*	553.89	369.00	373.29		373.72	0.005202	5.55	113.85	54.20	0.56
TRIB1	1	7683.57*	556.42	368.78	373.08		373.49	0.004714	5.57	121.88	60.58	0.54
TRIB1	1	7635	558.92	368.56	372.99		373.29	0.003440	5.07	151.64	79.94	0.47
TRIB1	1	7585.*	561.50	368.34	372.77		373.12	0.004059	5.43	139.58	73.10	0.51
TRIB1	1	7535.*	564.10	368.13	372.50		372.92	0.004898	5.85	129.04	68.59	0.56
TRIB1	1	7485.*	560.91	367.91	372.17		372.65	0.006183	6.33	118.41	67.11	0.62
TRIB1	1	7435.*	563.52	367.70	371.75		372.36	0.008880	7.17	109.85	77.17	0.73
TRIB1	1	7385	561.27	367.48	371.39		371.86	0.008391	6.65	131.09	111.63	0.70
TRIB1	1	7335.83*	579.00	366.81	370.72	370.58	371.57	0.012991	8.21	93.90	68.84	0.87
TRIB1	1	7286.66*	580.09	366.14	370.07	370.11	371.02	0.013549	8.36	85.22	55.01	0.89
TRIB1	1	7237.5*	580.05	365.48	369.40	369.44	370.39	0.013769	8.36	81.41	49.82	0.89
TRIB1	1	7188.33*	582.73	364.81	368.72	368.71	369.72	0.013748	8.27	79.94	46.80	0.89
TRIB1	1	7139.16*	584.91	364.14	368.07	367.94	369.01	0.012866	7.98	81.40	45.34	0.86
TRIB1	1	7090	548.99	363.47	367.52		368.22	0.009170	6.89	88.19	47.03	0.73
TRIB1	1	7044.28*	523.98	363.10	367.20		367.72	0.006650	5.92	97.36	50.80	0.63
TRIB1	1	6998.57*	512.27	362.73	367.11		367.45	0.003821	4.77	120.23	60.16	0.48
TRIB1	1	6952.85*	512.22	362.36	367.08		367.30	0.002224	3.90	150.55	70.74	0.37
TRIB1	1	6907.14*	512.15	361.99	367.06		367.21	0.001318	3.20	188.55	84.39	0.29
TRIB1	1	6861.42*	512.04	361.62	367.06		367.16	0.000774	2.61	239.71	101.93	0.23
TRIB1	1	6815.71*	511.92	361.25	367.07		367.12	0.000444	2.09	313.84	128.43	0.18
TRIB1	1	6770	511.80	360.88	367.07		367.10	0.000236	1.61	420.88	152.52	0.13
TRIB1	1	6728.*	532.67	360.45	367.07		367.09	0.000183	1.51	492.32	176.46	0.12
TRIB1	1	6686.*	532.51	360.01	367.07		367.08	0.000123	1.31	611.39	223.14	0.10
TRIB1	1	6644.*	532.31	359.58	367.07		367.08	0.000070	1.04	809.69	268.91	0.07
TRIB1	1	6602.*	532.08	359.14	367.07		367.08	0.000035	0.77	1134.97	345.49	0.05
TRIB1	1	6560	531.79	358.71	367.07		367.07	0.000014	0.52	1597.97	393.20	0.03
TRIB1	1	6520.*	531.49	358.04	367.07		367.07	0.000024	0.69	1289.27	376.41	0.04
TRIB1	1	6480.*	531.19	357.36	367.07		367.07	0.000029	0.77	1176.72	391.62	0.05
TRIB1	1	6440	530.86	356.69	367.07		367.07	0.000018	0.63	1410.27	425.79	0.04
TRIB1	1	6400	Culvert									
TRIB1	1	6360.01	530.86	355.71	361.62		362.07	0.004781	5.46	106.13	53.16	0.51
TRIB1	1	6312.50*	530.65	356.17	361.29		361.84	0.006365	6.08	99.26	57.06	0.60
TRIB1	1	6265	530.44	356.64	361.01		361.55	0.006593	6.17	102.01	61.34	0.62
TRIB1	1	6217.5*	529.69	356.10	360.71		361.25	0.006512	6.15	104.67	70.74	0.62
TRIB1	1	6170.*	529.58	355.55	360.49		361.00	0.005862	5.95	110.64	81.28	0.58
TRIB1	1	6122.5*	529.43	355.01	360.27		360.74	0.005338	5.79	115.07	91.30	0.56
TRIB1	1	6075	529.32	354.47	359.97		360.47	0.005348	5.84	111.41	96.60	0.55
TRIB1	1	6036.25*	529.67	354.59	359.82		360.28	0.004964	5.70	115.78	82.78	0.54
TRIB1	1	5997.5*	529.94	354.71	359.67		360.10	0.004653	5.58	119.35	75.30	0.53
TRIB1	1	5958.75*	530.25	354.83	359.52		359.92	0.004337	5.45	123.15	70.97	0.51
TRIB1	1	5920	530.58	354.95	359.39		359.75	0.003962	5.28	128.67	69.51	0.49
TRIB1	1	5871.25*	530.80	354.76	359.03		359.54	0.005772	6.16	108.31	62.46	0.59
TRIB1	1	5822.5*	531.45	354.57	358.54	358.37	359.26	0.009088	7.28	91.77	59.08	0.74
TRIB1	1	5773.75*	532.09	354.37	358.06	358.07	358.79	0.011473	7.67	93.25	68.26	0.81
TRIB1	1	5725	532.69	354.18	358.01		358.16	0.002841	3.96	186.73	102.95	0.41
TRIB1	1	5685.*	533.17	353.76	357.85		358.05	0.003292	4.55	170.65	97.90	0.44
TRIB1	1	5645.*	533.67	353.33	357.65		357.93	0.003731	5.12	154.04	90.58	0.48
TRIB1	1	5605	533.42	352.91	357.49		357.79	0.003360	5.13	146.49	74.34	0.46
TRIB1	1	5562.*	577.13	352.79	357.15		357.59	0.005027	6.08	126.77	62.04	0.56
TRIB1	1	5519.*	577.67	352.66	356.83		357.38	0.006418	6.65	114.44	61.08	0.63
TRIB1	1	5476.*	578.22	352.54	356.37	356.21	357.11	0.009482	7.58	99.82	62.76	0.76
TRIB1	1	5433.*	578.73	352.41	356.12	356.08	356.73	0.008880	7.15	118.75	102.48	0.73
TRIB1	1	5390	579.11	352.29	356.12		356.29	0.002881	4.19	212.51	136.37	0.42
TRIB1	1	5343.*	579.53	351.81	355.48	355.35	356.22	0.010216	7.53	98.09	60.05	0.78
TRIB1	1	5296.*	580.02	351.33	354.99	354.91	355.79	0.011196	7.75	93.57	58.06	0.81
TRIB1	1	5249.*	580.37	350.84	354.55	354.49	355.32	0.010949	7.62	96.14	62.50	0.80
TRIB1	1	5202.*	580.92	350.36	354.25		354.85	0.008358	6.82	110.21	69.85	0.71
TRIB1	1	5155	581.46	349.88	354.15		354.50	0.004628	5.42	142.88	79.40	0.53
TRIB1	1	5108.75*	582.08	349.74	353.91		354.28	0.004974	5.63	138.34	74.47	0.55
TRIB1	1	5062.5*	582.71	349.60	353.66		354.05	0.005435	5.88	133.30	69.80	0.58
TRIB1	1	5016.25*	583.33	349.45	353.37		353.78	0.006133	6.17	127.20	65.51	0.61
TRIB1	1	4970	583.95	349.31	352.96		353.45	0.008075	6.80	114.88	60.55	0.70
TRIB1	1	4926.66*	584.45	348.97	352.57		353.13	0.008263	7.17	110.75	57.97	0.71
TRIB1	1	4883.33*	584.94	348.63	352.16		352.79	0.008446	7.48	106.06	54.63	0.73
TRIB1	1	4840	585.43	348.29	351.85		352.46	0.007269	7.28	109.07	53.53	0.69
TRIB1	1	4798.*	585.91	347.89	351.51		352.15	0.007759	7.43	105.50	51.96	0.71
TRIB1	1	4756.*	586.31	347.49	351.16		351.84	0.008176	7.56	102.41	50.53	0.72
TRIB1	1	4714.*	586.85	347.08	350.80		351.51	0.008424	7.63	100.05	49.02	0.73
TRIB1	1	4672.*	587.39	346.68	350.44		351.17	0.008491	7.66	98.58	47.94	0.73
TRIB1	1	4630	587.93	346.28	350.12		350.83	0.008128	7.55	99.03	47.35	0.72
TRIB1	1	4582.*	588.53	345.93	349.73		350.45	0.008356	7.50	98.45	47.84	0.72
TRIB1	1	4534.*	589.12	345.58	349.33		350.06	0.008614	7.47	97.58	47.87	0.73
TRIB1	1	4486.*	589.70	345.22	348.91		349.65	0.008973	7.47	96.35	48.11	0.74
TRIB1	1	4438.*	590.28	344.87	348.32	348.23	349.21	0.011605	8.04	87.46	46.76	0.84

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	4390	590.86	344.52	347.69	347.81	348.80	0.016161	8.87	76.92	44.59	0.97
TRIB1	1	4341.25*	591.38	343.85	347.04	347.00	347.93	0.012991	8.02	86.63	49.73	0.87
TRIB1	1	4292.5*	591.61	343.17	346.83		347.28	0.005650	5.88	121.98	59.21	0.59
TRIB1	1	4243.75*	592.11	342.50	346.86		347.06	0.002040	4.05	181.60	71.72	0.37
TRIB1	1	4195	592.60	341.83	346.87		346.98	0.000868	2.95	252.91	84.71	0.25
TRIB1	1	4147.5*	593.22	341.48	346.79		346.93	0.001180	3.38	219.74	75.19	0.29
TRIB1	1	4100.*	593.84	341.12	346.68		346.87	0.001612	3.87	193.80	70.40	0.33
TRIB1	1	4052.5*	594.44	340.77	346.53		346.79	0.002344	4.51	168.83	69.51	0.39
TRIB1	1	4005	595.04	340.42	346.26		346.67	0.004072	5.56	136.80	69.15	0.49
TRIB1	1	3955.*	595.59	340.99	345.99		346.47	0.005324	5.99	126.01	71.94	0.57
TRIB1	1	3905	596.15	341.56	345.55	345.37	346.24	0.009468	7.07	104.02	69.78	0.75
TRIB1	1	3856.25*	596.08	341.04	345.11		345.82	0.009024	7.27	99.92	55.35	0.74
TRIB1	1	3807.5*	596.04	340.52	344.72		345.42	0.008024	7.29	101.55	50.19	0.71
TRIB1	1	3758.75*	595.47	340.01	344.45		345.05	0.006376	7.02	110.38	50.24	0.64
TRIB1	1	3710	595.46	339.49	344.40		344.78	0.003745	5.98	141.80	59.90	0.51
TRIB1	1	3666.*	589.51	339.15	344.30		344.58	0.002498	4.81	159.95	66.15	0.41
TRIB1	1	3622.*	589.39	338.82	344.24		344.46	0.001734	3.98	181.58	73.94	0.34
TRIB1	1	3578.	589.26	338.48	344.21		344.37	0.001232	3.35	206.30	84.30	0.29
TRIB1	2	3534.	986.84	338.15	343.53		344.19	0.004766	7.31	184.57	77.43	0.58
TRIB1	2	3490	986.82	337.81	343.55		343.98	0.002870	5.98	234.48	113.31	0.46
TRIB1	2	3440.71*	986.80	337.54	343.29		343.85	0.003732	6.73	197.79	76.73	0.52
TRIB1	2	3391.42*	986.78	337.27	343.08		343.68	0.004080	6.99	193.02	75.65	0.54
TRIB1	2	3342.14*	986.77	337.00	342.89		343.48	0.004198	7.07	196.04	78.27	0.55
TRIB1	2	3292.85*	986.76	336.72	342.74		343.28	0.004062	6.96	206.20	83.98	0.54
TRIB1	2	3243.57*	986.74	336.45	342.62		343.09	0.003679	6.66	223.05	90.87	0.51
TRIB1	2	3194.28*	986.73	336.18	342.53		342.89	0.003010	6.07	244.16	90.51	0.46
TRIB1	2	3145	986.73	335.91	342.46		342.74	0.002440	5.50	267.22	91.56	0.41
TRIB1	2	3098.12*	988.17	335.85	342.19		342.64	0.003592	6.56	217.54	78.77	0.50
TRIB1	2	3051.25*	989.51	335.78	341.89		342.48	0.004434	7.11	189.59	67.64	0.56
TRIB1	2	3004.37*	990.97	335.72	341.60		342.27	0.005097	7.41	174.17	62.15	0.60
TRIB1	2	2957.5*	992.44	335.65	341.31		342.02	0.005501	7.47	167.07	59.61	0.62
TRIB1	2	2910.62*	993.80	335.59	341.05		341.75	0.005597	7.33	167.03	59.99	0.62
TRIB1	2	2863.75*	995.27	335.53	340.87		341.49	0.005152	6.92	176.14	63.24	0.59
TRIB1	2	2816.87*	996.74	335.46	340.75		341.26	0.004374	6.33	199.24	77.33	0.54
TRIB1	2	2770	998.21	335.40	340.75		341.06	0.002804	5.12	257.73	100.69	0.44
TRIB1	2	2728.75*	999.49	335.17	340.36		340.94	0.005134	6.72	186.97	74.87	0.59
TRIB1	2	2687.5*	1000.37	334.95	339.77		340.75	0.009542	8.59	144.05	64.84	0.79
TRIB1	2	2646.25*	984.46	334.72	339.24	339.38	340.40	0.013375	9.57	132.85	70.21	0.91
TRIB1	2	2605	1003.70	334.49	339.00		339.49	0.007034	6.89	196.55	92.37	0.66
TRIB1	2	2558.75*	1005.12	334.13	338.64		339.17	0.007255	7.01	194.76	96.01	0.67
TRIB1	2	2512.5*	1006.54	333.78	338.26		338.83	0.007629	7.16	190.67	98.50	0.69
TRIB1	2	2466.25*	1007.96	333.42	337.85		338.48	0.008166	7.33	184.78	100.34	0.71
TRIB1	2	2420.*	1009.38	333.07	337.43		338.12	0.008724	7.46	178.66	101.34	0.74
TRIB1	2	2373.75*	1010.80	332.71	336.98	336.93	337.74	0.009588	7.66	171.11	103.55	0.77
TRIB1	2	2327.5*	1012.22	332.35	336.52	336.54	337.35	0.010547	7.84	163.50	106.84	0.80
TRIB1	2	2281.25*	1013.63	332.00	336.12	335.84	336.94	0.010520	7.73	167.46	128.52	0.80
TRIB1	2	2235	1015.03	331.64	335.97		336.38	0.005319	5.74	233.76	150.62	0.57
TRIB1	2	2190.*	1014.98	331.44	335.72		336.16	0.005581	5.96	233.72	154.48	0.59
TRIB1	2	2145.*	1014.92	331.23	335.45		335.94	0.006123	6.29	224.10	156.04	0.62
TRIB1	2	2100.*	1014.75	331.03	335.16		335.70	0.006543	6.53	212.10	144.53	0.64
TRIB1	2	2055.*	1014.72	330.82	334.89		335.41	0.006353	6.48	208.58	128.70	0.63
TRIB1	2	2010.*	1014.70	330.61	334.67		335.15	0.005682	6.25	216.36	117.61	0.60
TRIB1	2	1965	1014.66	330.41	334.50		334.90	0.004664	5.82	230.91	112.23	0.55
TRIB1	2	1915.*	1015.00	330.01	334.22		334.68	0.005254	6.19	221.63	118.42	0.58
TRIB1	2	1865.*	1015.21	329.60	333.92		334.44	0.005875	6.54	214.66	127.63	0.62
TRIB1	2	1815	1015.56	329.20	333.59		334.15	0.006292	6.76	207.86	126.46	0.64
TRIB1	2	1770.*	1015.85	328.71	333.40		333.90	0.005326	6.59	224.06	129.53	0.59
TRIB1	2	1725.*	1016.12	328.22	333.24		333.70	0.004711	6.56	236.21	130.32	0.57
TRIB1	2	1680.*	1016.39	327.72	333.02		333.51	0.004854	6.95	231.34	122.90	0.58
TRIB1	2	1635	1016.66	327.23	332.52	332.54	333.39	0.008761	9.30	184.74	115.75	0.77
TRIB1	2	1595.*	1016.96	326.85	332.04	332.35	333.25	0.011004	10.25	156.50	106.00	0.86
TRIB1	2	1555.*	1017.26	326.47	331.61	331.56	332.83	0.010425	9.90	143.47	74.57	0.84
TRIB1	2	1515.*	1017.58	326.08	331.21	331.12	332.35	0.009477	9.40	143.16	67.96	0.80
TRIB1	2	1500	Lat Struct									
TRIB1	2	1475	1017.90	325.70	330.94		331.91	0.007577	8.55	153.12	67.67	0.72
TRIB1	2	1435.00*	1018.16	325.97	330.71		331.59	0.007552	8.04	156.64	72.70	0.71
TRIB1	2	1395.01	1018.43	326.24	330.53		331.26	0.006220	7.17	170.45	80.14	0.64
TRIB1	2	1347.50*	1018.75	326.33	330.37		330.97	0.006319	6.84	195.59	106.52	0.64
TRIB1	2	1300	1019.05	326.43	330.34		330.67	0.004308	5.46	257.28	132.87	0.52
TRIB1	2	1263.33*	1019.02	326.11	329.93		330.56	0.008867	7.63	198.80	131.84	0.74
TRIB1	2	1226.66*	1018.94	325.79	329.50	329.82	330.63	0.018082	10.50	155.92	130.98	1.05
TRIB1	2	1190	1018.83	325.47	328.92	328.92	329.55	0.016599	9.11	179.50	127.57	0.95
ALDER	1	17980	226.80	344.61	348.30		348.57	0.004670	4.30	60.16	47.81	0.50
ALDER	1	17934.1*	226.79	344.54	348.07		348.36	0.005075	4.43	58.35	44.37	0.52
ALDER	1	17888.3*	226.79	344.46	347.84		348.14	0.005559	4.58	56.94	44.45	0.55

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17842.5*	226.78	344.39	347.60		347.92	0.005999	4.69	56.38	45.35	0.57
ALDER	1	17796.6*	226.78	344.32	347.37		347.69	0.006312	4.75	56.98	47.61	0.58
ALDER	1	17750.8*	226.77	344.24	347.15		347.45	0.006305	4.70	59.51	51.78	0.58
ALDER	1	17705	226.77	344.17	346.95		347.21	0.005705	4.46	65.03	56.42	0.55
ALDER	1	17663.7*	227.78	343.76	346.64		346.99	0.007134	5.12	55.33	45.30	0.62
ALDER	1	17622.5*	228.79	343.35	346.32		346.75	0.008530	5.71	50.78	43.11	0.68
ALDER	1	17581.2*	229.80	342.93	346.04	345.87	346.55	0.009981	6.32	52.83	71.09	0.74
ALDER	1	17540	230.82	342.52	345.85		346.13	0.006438	5.27	72.35	79.66	0.59
ALDER	1	17490.4*	231.95	342.38	345.60		345.88	0.006413	5.21	72.28	77.07	0.59
ALDER	1	17440.9*	233.09	342.24	345.35		345.62	0.006293	5.12	72.76	74.90	0.59
ALDER	1	17391.3*	234.21	342.11	345.11		345.36	0.006144	5.01	73.39	72.81	0.58
ALDER	1	17341.8*	235.36	341.97	344.88		345.11	0.005913	4.88	74.46	70.97	0.57
ALDER	1	17292.2*	236.49	341.83	344.64		344.87	0.005712	4.76	75.44	69.35	0.56
ALDER	1	17242.7*	237.64	341.69	344.40		344.62	0.005559	4.65	76.37	68.15	0.55
ALDER	1	17193.1*	238.78	341.55	344.15		344.36	0.005619	4.60	76.32	67.03	0.55
ALDER	1	17143.6*	239.92	341.41	343.86		344.08	0.006084	4.67	74.54	65.88	0.57
ALDER	1	17094.0*	241.04	341.28	343.58		343.81	0.006523	4.71	73.43	65.61	0.59
ALDER	1	17044.5*	242.22	341.14	343.31		343.53	0.006771	4.68	73.73	67.01	0.60
ALDER	1	16995	243.35	341.00	343.05		343.26	0.006567	4.52	76.73	71.15	0.59
ALDER	1	16950.8*	244.43	340.58	342.81		343.02	0.006535	4.54	79.65	80.56	0.59
ALDER	1	16906.6*	245.52	340.17	342.55		342.76	0.006523	4.53	81.60	87.45	0.58
ALDER	1	16862.5*	246.61	339.76	342.23		342.46	0.007460	4.72	77.96	89.36	0.62
ALDER	1	16818.3*	247.70	339.34	341.88		342.12	0.008261	4.78	73.32	79.56	0.64
ALDER	1	16774.1*	248.77	338.93	341.53		341.77	0.008536	4.68	71.21	73.83	0.65
ALDER	1	16730	249.88	338.51	341.16		341.41	0.009320	4.64	67.55	67.47	0.66
ALDER	1	16684.2*	250.96	338.02	340.76		341.04	0.009973	4.91	65.09	65.85	0.69
ALDER	1	16638.5*	252.05	337.54	340.36		340.67	0.010394	5.12	63.02	64.87	0.71
ALDER	1	16592.8*	253.14	337.05	339.93		340.31	0.011304	5.39	59.55	64.36	0.74
ALDER	1	16547.1*	254.22	336.57	339.49	339.48	339.94	0.012334	5.66	55.23	64.01	0.78
ALDER	1	16501.4*	255.32	336.08	339.06	339.03	339.54	0.012497	5.73	51.72	61.11	0.78
ALDER	1	16455.7*	256.42	335.60	338.65	338.43	339.11	0.011401	5.55	50.78	54.35	0.75
ALDER	1	16410	257.50	335.11	338.29		338.68	0.008838	5.07	54.57	49.48	0.67
ALDER	1	16364.1*	258.63	334.74	337.94		338.35	0.008816	5.15	54.75	50.88	0.67
ALDER	1	16318.3*	259.76	334.37	337.59		338.01	0.008775	5.23	55.20	52.63	0.67
ALDER	1	16272.5*	260.87	334.01	337.25		337.67	0.008685	5.30	55.94	54.68	0.67
ALDER	1	16226.6*	262.01	333.64	336.91		337.33	0.008372	5.32	57.71	57.48	0.66
ALDER	1	16180.8*	263.12	333.27	336.60		336.99	0.007602	5.22	60.75	56.61	0.64
ALDER	1	16135	264.27	332.90	336.32		336.66	0.006481	5.01	65.26	55.11	0.59
ALDER	1	16089.*	265.38	332.83	335.99	335.65	336.43	0.008393	5.61	59.48	61.30	0.67
ALDER	1	16043.*	266.52	332.75	335.70	335.48	336.20	0.009816	6.03	58.40	74.25	0.73
ALDER	1	15997.*	267.67	332.68	335.33	335.28	335.76	0.010037	5.91	61.85	63.93	0.73
ALDER	1	15951.*	268.78	332.60	334.95		335.30	0.009697	5.59	67.07	64.57	0.71
ALDER	1	15905	269.94	332.53	334.75		334.94	0.005643	4.35	84.78	67.59	0.55
ALDER	1	15856.*	271.20	331.89	334.37		334.65	0.007517	5.09	76.17	69.25	0.63
ALDER	1	15807.*	272.48	331.25	333.92	333.97	334.36	0.011752	6.26	66.83	90.65	0.79
ALDER	1	15758.*	273.74	330.62	333.42	333.62	334.02	0.016243	7.13	59.32	96.17	0.91
ALDER	1	15709.*	275.00	329.98	332.77	332.99	333.51	0.023619	7.82	47.27	64.08	1.06
ALDER	1	15660	276.28	329.34	332.11		332.43	0.015792	5.71	69.46	94.23	0.84
ALDER	1	15611.2*	277.53	328.45	331.50	331.79	332.28	0.022920	7.90	49.06	75.03	1.05
ALDER	1	15562.5*	278.12	327.57	330.71	331.18	331.91	0.025876	8.86	34.70	71.24	1.14
ALDER	1	15513.7*	276.72	326.68	329.94	330.15	330.74	0.015954	7.38	45.25	56.73	0.91
ALDER	1	15465	276.26	325.80	329.52		329.79	0.004727	4.66	82.84	75.60	0.51
ALDER	1	15426.2*	276.79	325.47	329.38		329.65	0.003919	4.54	84.76	73.19	0.48
ALDER	1	15387.5*	277.77	325.14	329.31		329.50	0.002613	3.99	99.22	73.47	0.40
ALDER	1	15348.7*	279.11	324.82	329.26		329.40	0.001688	3.44	114.73	66.84	0.32
ALDER	1	15310	280.46	324.49	329.23		329.34	0.001193	3.08	126.82	61.37	0.28
ALDER	1	15263.3*	280.83	324.57	329.16		329.28	0.001434	3.22	121.50	65.49	0.30
ALDER	1	15216.6*	281.52	324.65	329.10		329.21	0.001540	3.15	128.98	81.46	0.31
ALDER	1	15170	282.21	324.73	329.10		329.14	0.000642	1.94	202.88	107.07	0.19
ALDER	1	15125.*	282.19	324.30	329.09		329.11	0.000404	1.71	239.99	116.24	0.16
ALDER	1	15080.	282.17	323.87	329.08		329.10	0.000242	1.45	285.92	125.77	0.13
ALDER	2a	15035.	1300.64	323.45	328.61		328.97	0.004173	6.07	290.55	122.21	0.53
ALDER	2a	14990.*	1300.59	323.02	328.61		328.81	0.002062	4.52	386.08	149.65	0.38
ALDER	2a	14945	1300.54	322.59	328.64		328.73	0.000792	2.97	563.27	175.41	0.24
ALDER	2a	14899.1*	1300.49	322.52	328.50		328.69	0.001795	4.40	415.42	166.14	0.35
ALDER	2a	14853.3*	1300.45	322.44	328.22		328.61	0.003540	5.97	300.94	134.65	0.49
ALDER	2a	14807.5*	1300.42	322.36	327.79		328.43	0.005859	7.24	229.42	107.06	0.63
ALDER	2a	14761.6*	1300.41	322.29	327.23		328.19	0.009526	8.47	179.47	77.89	0.78
ALDER	2a	14715.8*	1299.32	322.22	327.20		327.65	0.005210	6.31	303.16	215.07	0.58
ALDER	2a	14670	1299.30	322.14	327.30		327.39	0.001026	2.89	589.35	250.36	0.26
ALDER	2a	14623.*	1358.92	322.14	327.22		327.32	0.001381	3.13	559.89	260.40	0.30
ALDER	2a	14576.*	1358.88	322.15	327.14		327.25	0.001651	3.17	536.27	267.00	0.32
ALDER	2a	14529.*	1358.85	322.15	327.05		327.16	0.001984	3.18	513.48	273.66	0.34
ALDER	2a	14482.*	1358.81	322.16	326.93		327.05	0.002468	3.18	488.40	275.81	0.37
ALDER	2a	14435	1358.76	322.16	326.78		326.91	0.003236	3.26	458.28	279.64	0.41

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14385.*	1358.65	322.17	326.51		326.72	0.005849	4.28	380.44	284.87	0.55
ALDER	2a	14335.*	1358.67	322.19	326.11		326.40	0.008128	4.87	318.76	235.49	0.65
ALDER	2a	14285.*	1358.63	322.21	325.78		326.06	0.006603	4.38	324.90	220.19	0.58
ALDER	2a	14235	1358.62	322.22	325.58		325.81	0.004418	3.74	361.67	216.14	0.48
ALDER	2a	14192.*	1358.60	321.32	325.18	325.31	326.06	0.014422	7.92	201.38	148.24	0.90
ALDER	2a	14149.*	1358.58	320.42	324.61	324.64	325.59	0.013024	8.22	187.47	117.81	0.88
ALDER	2a	14106.*	1358.56	319.52	324.11	323.95	325.08	0.010587	8.16	189.33	105.94	0.81
ALDER	2a	14063.*	1358.53	318.62	323.71	323.39	324.66	0.008475	8.10	197.13	111.80	0.74
ALDER	2a	14020	1358.50	317.72	323.43	322.82	324.28	0.006414	7.85	215.78	113.57	0.66
ALDER	2a	13975.*	1359.13	317.77	323.11		323.99	0.006996	7.96	206.47	96.29	0.69
ALDER	2a	13930.*	1359.76	317.82	322.80		323.66	0.007415	7.94	205.23	92.01	0.70
ALDER	2a	13885.*	1360.40	317.86	322.44		323.32	0.008324	8.07	201.85	92.44	0.74
ALDER	2a	13840	1361.03	317.91	322.14		322.94	0.008410	7.83	213.80	106.17	0.74
ALDER	2a	13795.*	1361.77	317.52	321.75		322.55	0.009208	8.08	217.19	117.71	0.77
ALDER	2a	13750	1362.51	317.13	321.65		322.11	0.005375	6.52	284.92	145.26	0.60
ALDER	2a	13703.7*	1363.20	316.77	321.10		321.87	0.008613	7.97	221.15	115.92	0.75
ALDER	2a	13657.5*	1363.89	316.40	320.71		321.48	0.008347	7.79	216.22	102.95	0.73
ALDER	2a	13611.2*	1364.40	316.04	320.40		321.10	0.007281	7.35	226.20	103.57	0.69
ALDER	2a	13565	1365.10	315.67	320.21		320.78	0.005608	6.64	249.30	107.89	0.61
ALDER	2a	13525.*	1365.70	315.11	319.79		320.58	0.006800	7.40	210.68	93.97	0.67
ALDER	2a	13485.*	1366.30	314.55	319.63		320.30	0.005067	6.73	218.99	72.86	0.58
ALDER	2a	13445	1366.89	313.99	319.59		320.12	0.003424	5.89	245.45	69.65	0.49
ALDER	2a	13399.*	1367.04	313.78	319.46		319.96	0.003401	5.81	252.37	75.17	0.48
ALDER	2a	13353.*	1367.56	313.57	319.38		319.82	0.003034	5.51	272.24	84.23	0.46
ALDER	2a	13307.*	1368.07	313.35	319.35		319.69	0.002339	4.94	312.70	96.92	0.41
ALDER	2a	13261.*	1368.58	313.14	319.38		319.60	0.001516	4.12	393.08	122.97	0.33
ALDER	2a	13215	1369.08	312.93	319.45		319.54	0.000665	2.85	635.69	219.40	0.22
ALDER	2a	13187.5*	1369.88	312.72	319.37		319.51	0.001028	3.61	501.85	165.45	0.27
ALDER	2a	13160	1370.68	312.52	319.22		319.47	0.001909	4.94	398.12	150.92	0.37
ALDER	2a	13132.5*	1371.15	311.79	319.19		319.41	0.001709	4.75	438.55	187.44	0.35
ALDER	2a	13105	1371.63	311.06	319.23		319.35	0.000885	3.50	547.54	176.57	0.25
ALDER	2a	13056.6*	1372.25	311.09	319.06		319.31	0.001836	4.89	408.33	156.30	0.35
ALDER	2a	13008.3*	1372.88	311.12	318.76		319.24	0.003575	6.50	296.46	120.59	0.48
ALDER	2a	12960.*	1373.51	311.15	318.22		319.11	0.007010	8.45	217.04	94.19	0.65
ALDER	2a	12911.6*	1374.14	311.19	317.60	317.52	318.79	0.010844	9.81	177.23	68.77	0.80
ALDER	2a	12863.3*	1374.78	311.22	316.97	317.17	318.40	0.016530	10.97	161.17	70.84	0.94
ALDER	2a	12815	1375.42	311.25	316.36		317.00	0.009492	8.42	247.35	131.35	0.77
ALDER	2a	12771.6*	1376.12	310.75	316.03		316.61	0.008796	7.90	251.56	132.91	0.70
ALDER	2a	12728.3*	1376.81	310.24	315.58		316.22	0.008965	8.34	247.91	124.50	0.73
ALDER	2a	12685	1377.50	309.74	315.04		315.84	0.010205	9.37	235.10	125.68	0.82
ALDER	2a	12645.*	1378.04	309.55	314.48	314.59	315.46	0.013274	9.95	203.19	113.29	0.92
ALDER	2a	12605.*	1378.56	309.35	314.23		314.87	0.008773	7.94	237.66	112.62	0.74
ALDER	2a	12565	1379.12	309.16	314.20		314.56	0.004585	5.87	304.61	118.77	0.54
ALDER	2a	12530.*	1379.62	309.20	314.01		314.40	0.005252	6.18	293.02	120.10	0.57
ALDER	2a	12495.*	1380.12	309.24	313.77		314.20	0.006222	6.53	277.68	121.13	0.62
ALDER	2a	12460	1380.62	309.28	313.41		313.95	0.009195	7.49	249.45	123.23	0.74
ALDER	2a	12412.5*	1381.33	308.03	312.64	312.75	313.63	0.014466	9.96	198.74	107.76	0.95
ALDER	2a	12365	1382.03	306.78	312.35		312.91	0.006664	7.75	273.55	132.13	0.66
ALDER	2a	12328.3*	1382.55	306.71	312.12		312.67	0.006398	7.53	277.01	133.79	0.65
ALDER	2a	12291.6*	1383.06	306.64	311.96		312.44	0.005445	6.96	292.70	137.65	0.60
ALDER	2a	12255	1383.57	306.57	311.87		312.24	0.004084	6.12	334.14	148.25	0.52
ALDER	2a	12215.*	1384.12	306.18	311.68		312.08	0.004302	6.30	321.10	147.40	0.54
ALDER	2a	12175.*	1384.57	305.79	311.49		311.91	0.004354	6.39	317.74	146.66	0.54
ALDER	2a	12135	1385.14	305.40	311.33		311.74	0.004049	6.24	324.53	147.99	0.53
ALDER	2a	12093.3*	1385.77	305.11	310.89		311.59	0.006678	7.77	248.70	122.76	0.67
ALDER	2a	12051.6*	1386.39	304.83	310.56		311.31	0.007265	8.03	237.66	110.66	0.69
ALDER	2a	12010	1387.01	304.54	310.12		311.01	0.008998	8.71	220.32	107.97	0.76
ALDER	2a	11971.6*	1387.60	304.27	309.68	309.73	310.65	0.010711	9.13	209.66	109.92	0.82
ALDER	2a	11933.3*	1388.18	303.99	309.38		310.18	0.009637	8.47	223.34	110.41	0.78
ALDER	2a	11895	1388.76	303.72	309.37		309.79	0.005020	6.27	287.90	113.46	0.57
ALDER	2a	11846.6*	1389.38	303.61	309.14		309.56	0.005054	6.14	293.39	116.14	0.57
ALDER	2a	11798.3*	1389.99	303.50	308.92		309.33	0.005096	5.99	297.99	119.96	0.57
ALDER	2a	11750	1390.60	303.39	308.67		309.09	0.005635	6.05	298.30	128.15	0.59
ALDER	2a	11703.3*	1391.12	303.15	308.35		308.83	0.006023	6.38	288.03	132.73	0.62
ALDER	2a	11656.6*	1391.78	302.90	308.03		308.56	0.006064	6.55	281.70	136.28	0.62
ALDER	2a	11610	1392.43	302.66	307.82		308.28	0.004786	6.07	295.54	146.75	0.56
ALDER	2a	11560.*	1393.13	302.16	307.38		308.04	0.006059	6.90	236.34	97.47	0.63
ALDER	2a	11510.*	1393.83	301.66	306.98		307.73	0.006516	7.26	217.57	75.26	0.65
ALDER	2a	11460.*	1394.53	301.16	306.55		307.40	0.007086	7.64	204.19	72.23	0.68
ALDER	2a	11410.*	1395.23	300.67	306.06		307.05	0.007998	8.10	189.43	69.04	0.72
ALDER	2a	11360.*	1395.93	300.17	305.54		306.65	0.009174	8.59	176.32	64.11	0.77
ALDER	2a	11310.*	1396.63	299.67	304.98	304.71	306.23	0.010651	9.09	167.59	64.48	0.83
ALDER	2a	11260	1397.33	299.17	304.43	304.50	305.70	0.011638	9.33	180.76	94.74	0.86
ALDER	2a	11219.*	1397.89	298.45	303.95	303.99	305.27	0.011723	9.46	174.98	87.67	0.86
ALDER	2a	11178.*	1398.46	297.72	303.47	303.49	304.83	0.011686	9.55	170.92	82.25	0.86

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	11137.*	1399.03	297.00	303.00	302.97	304.37	0.011473	9.59	168.56	78.18	0.85
ALDER	2a	11096.*	1399.59	296.27	302.54	302.39	303.90	0.011083	9.54	168.04	74.16	0.84
ALDER	2a	11055	1400.16	295.55	302.10	301.78	303.42	0.010662	9.41	169.48	71.38	0.81
ALDER	2a	11012.*	1400.75	295.50	301.65	301.30	302.94	0.010271	9.26	167.14	63.68	0.81
ALDER	2a	10969.*	1401.34	295.45	301.24	300.82	302.47	0.009768	9.03	169.53	62.45	0.79
ALDER	2a	10926.*	1401.94	295.41	300.90		302.02	0.008745	8.61	178.12	64.08	0.76
ALDER	2a	10883.*	1402.54	295.36	300.72		301.65	0.006862	7.86	198.75	69.74	0.68
ALDER	2a	10840	1403.14	295.31	300.66		301.36	0.004883	6.93	231.99	78.55	0.58
ALDER	2a	10793.6*	1403.80	295.05	300.39		301.13	0.005437	7.14	224.39	78.63	0.61
ALDER	2a	10747.3*	1404.45	294.78	300.08		300.87	0.006134	7.38	218.11	81.53	0.64
ALDER	2a	10701.0*	1405.10	294.52	299.74		300.59	0.006976	7.63	213.59	87.86	0.68
ALDER	2a	10654.7*	1405.75	294.25	299.36		300.25	0.008068	7.90	209.99	94.15	0.72
ALDER	2a	10608.41	1406.39	293.99	299.01		299.86	0.008510	7.86	217.54	101.30	0.74
ALDER	2a	10566.3*	1406.96	293.60	298.64		299.52	0.008489	8.12	217.28	95.54	0.74
ALDER	2a	10524.2*	1407.53	293.21	298.18		299.17	0.009603	8.78	206.70	88.91	0.79
ALDER	2a	10482.1*	1408.10	292.83	297.57	297.66	298.86	0.013156	10.18	182.74	80.40	0.93
ALDER	2a	10440	1408.68	292.44	296.88	297.28	298.69	0.019917	12.26	155.05	69.52	1.13
ALDER	2a	10391.6*	1409.29	291.00	295.96	296.47	298.15	0.019802	13.12	138.32	52.01	1.15
ALDER	2a	10343.3*	1409.90	289.56	295.09	295.51	297.33	0.017526	13.25	137.09	45.65	1.10
ALDER	2a	10295	1410.51	288.12	294.34	294.61	296.48	0.014521	13.04	142.39	42.60	1.01
ALDER	2a	10247.1*	1425.59	288.05	293.78	293.84	295.51	0.012545	11.40	156.29	50.20	0.93
ALDER	2a	10199.2*	1426.26	287.98	293.37	293.23	294.76	0.010734	10.06	171.12	57.91	0.85
ALDER	2a	10151.4*	1426.74	287.91	293.08		294.20	0.009020	8.93	188.48	65.93	0.78
ALDER	2a	10103.5*	1425.88	287.85	292.83		293.75	0.007755	8.05	205.74	73.97	0.72
ALDER	2a	10055.7*	1423.26	287.78	292.63		293.38	0.006563	7.25	226.16	83.11	0.66
ALDER	2a	10007.8*	1421.59	287.71	292.45		293.07	0.005604	6.59	249.57	96.59	0.60
ALDER	2a	9960	1415.94	287.64	292.32		292.81	0.004602	5.91	282.37	118.46	0.55
ALDER	2a	9915.*	1404.23	287.01	292.15		292.61	0.003713	5.67	295.57	113.99	0.50
ALDER	2a	9870.*	1390.17	286.38	292.04		292.44	0.002912	5.36	321.26	122.56	0.45
ALDER	2a	9825.*	1386.13	285.74	291.99		292.31	0.002166	4.95	371.86	137.61	0.39
ALDER	2a	9780	1381.75	285.11	291.98		292.21	0.001448	4.33	457.53	152.04	0.33
ALDER	2a	9732.5*	1349.04	285.27	291.86		292.13	0.001743	4.84	397.82	116.20	0.36
ALDER	2a	9685	1335.06	285.42	291.71		292.04	0.002221	5.58	355.88	99.07	0.41
ALDER	2a	9642.5*	1318.95	285.02	291.64		291.93	0.002121	5.28	367.41	97.28	0.38
ALDER	2a	9600.	1285.24	284.61	291.58		291.83	0.001911	4.97	378.22	95.27	0.35
ALDER	2	9557.5	2165.10	284.21	290.49		291.54	0.008959	8.93	300.22	82.66	0.68
ALDER	2	9515.*	2165.05	283.80	290.07		291.16	0.009343	8.98	292.99	81.99	0.69
ALDER	2	9472.5*	2165.01	283.40	289.64		290.76	0.009850	9.03	287.15	82.46	0.71
ALDER	2	9430	2164.97	282.99	289.19		290.34	0.010635	9.12	281.45	83.53	0.73
ALDER	2	9391.66*	2165.60	282.38	288.70		289.94	0.011169	9.45	268.48	76.45	0.75
ALDER	2	9353.33*	2166.23	281.77	288.26		289.52	0.011000	9.54	266.48	73.11	0.75
ALDER	2	9315	2166.86	281.16	287.91		289.12	0.010058	9.39	274.17	72.61	0.72
ALDER	2	9271.25*	2167.63	280.79	287.45		288.67	0.010641	9.44	273.95	76.96	0.73
ALDER	2	9227.5*	2168.40	280.42	286.90		288.18	0.012034	9.68	269.13	82.84	0.77
ALDER	2	9183.75*	2169.18	280.04	286.34	286.13	287.65	0.013411	9.82	271.65	94.81	0.81
ALDER	2	9140	2169.95	279.67	286.16		287.01	0.009301	8.29	344.75	122.27	0.67
ALDER	2	9105.*	2170.52	279.22	286.07		286.70	0.006352	7.18	396.33	123.61	0.56
ALDER	2	9070.*	2171.10	278.76	286.01		286.49	0.004411	6.27	450.66	124.69	0.48
ALDER	2	9035	2171.68	278.31	285.97		286.34	0.003123	5.52	507.21	125.53	0.40
ALDER	2	8996.25*	2172.30	278.16	285.60		286.22	0.005078	6.97	393.92	105.27	0.51
ALDER	2	8957.5*	2172.93	278.01	285.26		286.03	0.006312	7.72	348.15	88.51	0.57
ALDER	2	8918.75*	2173.57	277.86	284.79		285.78	0.008550	8.79	305.95	79.99	0.66
ALDER	2	8880	2174.21	277.71	283.94	283.85	285.55	0.015876	11.12	241.54	71.37	0.89
ALDER	2	8833.75*	2174.97	277.36	283.19	283.18	284.84	0.016425	10.96	235.64	72.96	0.90
ALDER	2	8787.5*	2175.72	277.01	282.46	282.32	284.05	0.016363	10.56	234.94	71.19	0.89
ALDER	2	8741.25*	2176.48	276.66	281.83		283.27	0.015474	9.98	243.15	72.74	0.86
ALDER	2	8695	2177.24	276.31	281.29		282.54	0.013988	9.31	257.27	76.19	0.81
ALDER	2	8645.*	2178.13	275.29	280.55		281.86	0.014148	9.51	254.35	76.88	0.82
ALDER	2	8595.*	2179.02	274.26	279.84		281.18	0.013966	9.62	255.24	79.96	0.82
ALDER	2	8545.*	2179.91	273.23	279.36		280.50	0.010970	9.01	285.70	92.86	0.73
ALDER	2	8495	2180.79	272.21	279.34		279.99	0.005429	7.06	389.25	108.28	0.53
ALDER	2	8450.*	2181.57	271.92	278.78		279.74	0.007928	8.18	314.89	101.47	0.63
ALDER	2	8405.*	2182.36	271.63	278.32		279.36	0.008880	8.39	287.62	83.88	0.66
ALDER	2	8360.*	2183.16	271.35	278.00		278.96	0.008316	8.02	297.78	81.73	0.64
ALDER	2	8315.*	2183.90	271.06	277.78		278.60	0.007187	7.47	321.65	85.92	0.59
ALDER	2	8270.*	2184.69	270.77	277.62		278.30	0.005923	6.85	356.47	95.32	0.54
ALDER	2	8225	2185.48	270.48	277.51		278.05	0.004633	6.17	407.09	110.72	0.48
ALDER	2	8179.28*	2186.27	270.30	277.28		277.85	0.004773	6.30	403.19	112.31	0.49
ALDER	2	8133.57*	2187.07	270.12	277.05		277.63	0.004912	6.43	400.25	114.21	0.50
ALDER	2	8087.85*	2187.85	269.94	276.82		277.41	0.005029	6.55	399.37	116.80	0.50
ALDER	2	8042.14*	2188.63	269.77	276.58		277.19	0.005098	6.64	401.93	121.14	0.51
ALDER	2	7996.42*	2189.41	269.59	276.36		276.96	0.005046	6.67	411.04	127.76	0.51
ALDER	2	7950.71*	2190.17	269.41	276.18		276.74	0.004702	6.52	430.54	131.44	0.49
ALDER	2	7905	2190.93	269.23	276.03		276.52	0.004214	6.28	459.69	137.10	0.47
ALDER	2	7861.25*	2191.63	268.93	275.85		276.34	0.004100	6.26	449.83	124.55	0.46

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	7817.5*	2192.20	268.63	275.67		276.17	0.003991	6.23	445.70	118.00	0.46
ALDER	2	7773.75*	2193.02	268.33	275.51		276.00	0.003873	6.18	447.31	117.43	0.45
ALDER	2	7730	2193.72	268.03	275.40		275.83	0.003454	5.90	480.12	129.20	0.43
ALDER	2	7683.33*	2194.42	267.77	275.05		275.68	0.004682	6.79	399.22	110.68	0.50
ALDER	2	7636.66*	2195.19	267.51	274.74		275.46	0.005117	7.12	361.63	93.13	0.52
ALDER	2	7590	2195.94	267.25	274.50		275.22	0.004782	7.05	353.25	82.64	0.50
ALDER	2	7545.*	2196.73	266.83	274.18		274.99	0.005402	7.41	325.59	71.57	0.53
ALDER	2	7500.*	2197.49	266.41	273.88		274.74	0.005674	7.60	312.22	65.98	0.55
ALDER	2	7455.*	2198.26	265.99	273.63		274.49	0.005449	7.56	310.26	62.09	0.54
ALDER	2	7410	2199.02	265.57	273.45		274.26	0.004800	7.30	318.58	59.53	0.50
ALDER	2	7368.75*	2199.74	265.50	273.11		274.05	0.005837	7.88	298.74	59.20	0.56
ALDER	2	7327.5*	2200.46	265.43	272.73		273.80	0.007023	8.47	281.87	59.25	0.61
ALDER	2	7286.25*	2201.18	265.36	272.32		273.51	0.008103	8.97	271.06	60.31	0.65
ALDER	2	7245	2201.90	265.29	271.99		273.18	0.008274	9.11	276.10	64.87	0.66
ALDER	2	7205.*	2201.89	264.89	271.52		272.86	0.009904	9.79	264.62	65.99	0.72
ALDER	2	7165.*	2201.89	264.49	271.04		272.49	0.011410	10.38	258.21	67.69	0.77
ALDER	2	7125	2201.88	264.09	270.66		272.06	0.011272	10.43	268.22	71.67	0.77
ALDER	2	7085.*	2201.88	264.08	270.63		271.55	0.007317	8.20	323.34	86.41	0.62
ALDER	2	7045.*	2201.87	264.08	270.57		271.24	0.005523	6.91	372.22	103.06	0.53
ALDER	2	7005.*	2201.68	264.08	270.51		271.02	0.004398	5.97	427.35	125.18	0.47
ALDER	2	6965	2201.87	264.07	270.48		270.84	0.003468	5.13	507.83	159.97	0.41
ALDER	2	6922.5*	2220.37	263.59	270.26		270.70	0.004012	5.56	466.07	144.60	0.45
ALDER	2	6880.*	2220.36	263.11	270.04		270.52	0.004365	5.85	437.94	127.42	0.47
ALDER	2	6837.5*	2220.34	262.63	269.78		270.34	0.004879	6.22	411.11	119.38	0.49
ALDER	2	6795	2220.33	262.15	269.48		270.13	0.005664	6.72	380.80	112.92	0.53
ALDER	2	6752.5*	2221.23	261.76	268.90		269.87	0.008201	7.97	297.73	85.44	0.63
ALDER	2	6710.*	2222.14	261.36	268.36		269.51	0.010028	8.73	271.83	74.02	0.70
ALDER	2	6667.5*	2223.05	260.97	267.85		269.12	0.011432	9.29	268.98	83.22	0.75
ALDER	2	6625	2223.96	260.58	267.89		268.60	0.006373	7.46	363.35	91.57	0.57
ALDER	2	6586.25*	2224.78	260.38	267.58		268.36	0.006979	7.81	352.12	93.04	0.60
ALDER	2	6547.5*	2225.61	260.18	267.23		268.10	0.007868	8.24	339.47	96.03	0.63
ALDER	2	6508.75*	2226.43	259.98	266.87		267.81	0.008723	8.61	334.42	103.63	0.66
ALDER	2	6470	2227.24	259.78	266.80		267.48	0.006369	7.58	400.60	121.52	0.57
ALDER	2	6420.*	2228.35	259.39	266.42		267.17	0.006767	7.76	381.48	120.10	0.59
ALDER	2	6370.*	2229.46	258.99	266.14		266.83	0.006080	7.40	393.87	118.85	0.56
ALDER	2	6320	2230.57	258.60	265.93		266.52	0.005132	6.89	424.17	126.26	0.51
ALDER	2	6275.*	2231.52	258.80	265.72		266.30	0.005048	6.72	425.73	125.40	0.51
ALDER	2	6230.*	2232.49	259.00	265.49		266.06	0.005078	6.60	421.73	120.57	0.51
ALDER	2	6185	2233.46	259.20	265.26		265.83	0.005259	6.55	412.04	113.98	0.52
ALDER	2	6145.*	2233.00	258.97	264.69		265.60	0.008897	8.02	322.67	97.58	0.66
ALDER	2	6105.*	2230.99	258.75	264.17		265.22	0.011698	8.72	303.67	104.99	0.75
ALDER	2	6065	2229.10	258.52	264.00		264.76	0.008930	7.71	359.24	117.98	0.65
ALDER	2	6021.25*	2229.04	258.33	263.96		264.41	0.004891	5.91	468.64	147.87	0.49
ALDER	2	5977.5*	2228.97	258.14	263.93		264.21	0.002884	4.71	591.70	180.77	0.38
ALDER	2	5933.75*	2228.89	257.96	263.91		264.10	0.001814	3.87	734.96	228.43	0.30
ALDER	2	5890	2228.79	257.77	263.90		264.03	0.001154	3.20	948.30	337.52	0.24
ALDER	2	5841.50*	3128.24	257.25	263.49		263.85	0.003253	5.19	766.67	264.34	0.41
ALDER	2	5793.01*	3128.19	256.72	263.25		263.69	0.003923	5.64	679.51	226.63	0.45
ALDER	2	5744.51*	3128.15	256.20	262.97		263.49	0.004739	6.09	608.75	196.87	0.49
ALDER	2	5696.02*	3128.11	255.67	262.60		263.25	0.006125	6.74	537.18	181.41	0.55
ALDER	2	5647.53	3128.08	255.15	262.05		262.93	0.009012	7.72	452.29	154.07	0.66
ALDER	2	5605.44*	3129.01	255.15	261.73		262.54	0.008656	7.41	473.59	168.27	0.64
ALDER	2	5563.35*	3129.94	255.15	261.47		262.19	0.007905	6.99	504.40	177.81	0.61
ALDER	2	5521.26*	3130.86	255.15	261.26		261.87	0.006946	6.52	543.35	186.54	0.57
ALDER	2	5479.17*	3131.32	255.15	261.08		261.60	0.005914	6.03	589.60	194.98	0.53
ALDER	2	5437.08*	3132.26	255.15	260.94		261.37	0.004847	5.51	649.07	233.56	0.48
ALDER	2	5395	3133.19	255.15	260.84		261.18	0.003807	4.96	739.93	272.81	0.43
ALDER	2	5351.42*	3133.16	254.95	260.62		261.01	0.004330	5.34	682.44	228.20	0.46
ALDER	2	5307.85*	3133.13	254.74	260.37		260.82	0.004985	5.77	644.63	202.50	0.49
ALDER	2	5264.28*	3133.09	254.54	260.07		260.59	0.006055	6.34	605.45	200.70	0.54
ALDER	2	5220.71*	3133.06	254.34	259.68		260.32	0.007968	7.15	560.02	202.75	0.62
ALDER	2	5177.14*	3131.78	254.14	259.12		259.97	0.012181	8.46	505.54	218.09	0.75
ALDER	2	5133.57*	3131.74	253.93	258.89		259.45	0.009334	7.47	606.23	241.46	0.66
ALDER	2	5090	3129.13	253.73	258.84		259.10	0.004193	5.21	825.51	255.66	0.45
ALDER	2	5048.33*	3252.85	253.54	258.14		258.84	0.011724	7.95	564.79	239.77	0.73
ALDER	2	5006.66*	3252.76	253.34	257.74		258.36	0.010370	7.13	575.12	234.61	0.68
ALDER	2	4965	3252.65	253.15	257.64		257.98	0.005600	5.30	766.82	295.36	0.50
ALDER	2	4922.5*	3253.68	252.85	257.35		257.74	0.006177	5.68	737.82	294.21	0.53
ALDER	2	4880.*	3254.91	252.55	256.99		257.47	0.007697	6.37	679.76	295.33	0.59
ALDER	2	4837.5*	3256.13	252.26	256.38		257.15	0.012971	7.93	551.96	293.81	0.76
ALDER	2	4795	3257.30	251.96	256.39		256.60	0.004185	4.84	1031.03	454.62	0.44
ALDER	2	4758.33*	3361.12	251.55	256.17		256.45	0.004849	5.28	979.04	469.47	0.47
ALDER	2	4721.66*	3362.07	251.15	256.03		256.32	0.004443	5.19	962.31	471.01	0.46
ALDER	2	4685	3360.07	250.74	255.55		256.14	0.007564	6.58	594.00	320.63	0.59
ALDER	2	4639.*	3359.98	250.11	255.54		255.83	0.003579	5.01	935.87	438.24	0.42

HEC-RAS Plan: EX200YR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	4593.*	3359.85	249.48	255.44		255.70	0.002618	4.63	1066.08	447.32	0.36
ALDER	2	4547.*	3359.68	248.86	255.40		255.57	0.001591	3.90	1257.22	423.61	0.29
ALDER	2	4501.*	3359.53	248.23	255.38		255.50	0.000960	3.25	1484.58	403.66	0.23
ALDER	2	4455	3359.38	247.60	255.38		255.45	0.000606	2.75	1725.87	391.95	0.18
ALDER	2	4406.66*	3359.25	247.58	255.22		255.43	0.001391	4.15	1048.62	261.04	0.28
ALDER	2	4358.33*	3359.14	247.55	254.95		255.37	0.002576	5.55	721.51	155.27	0.38
ALDER	2	4310	3357.63	247.53	254.40		255.23	0.005148	7.49	489.87	97.28	0.53
ALDER	2	4271.25*	3355.24	247.09	254.05		255.03	0.006270	8.28	459.25	96.80	0.58
ALDER	2	4232.5	3352.02	246.65	253.65		254.80	0.007716	9.17	432.82	95.92	0.65
ALDER	3	4193.75	3495.99	246.21	253.41		254.42	0.009645	10.53	466.37	96.08	0.72
ALDER	3	4155	3495.96	245.77	253.33		254.07	0.006750	8.88	536.29	101.91	0.60
ALDER	3	4118.33*	3495.92	245.51	253.07		253.83	0.007168	9.45	549.49	117.53	0.63
ALDER	3	4081.66*	3494.99	245.25	252.71		253.59	0.007916	10.07	532.05	121.23	0.66
ALDER	3	4045	3494.98	244.99	252.52		253.30	0.006455	9.31	556.77	116.53	0.60
ALDER	3	4002.5*	3497.34	244.99	252.30		253.03	0.006136	8.90	589.78	133.71	0.59
ALDER	3	3960.*	3499.66	244.99	252.13		252.78	0.005780	8.48	664.35	182.50	0.57
ALDER	3	3917.5*	3501.95	244.99	252.13		252.51	0.003487	6.58	840.80	214.46	0.44
ALDER	3	3875	3504.22	244.99	252.14		252.36	0.002002	4.97	1048.44	232.40	0.33
ALDER	3	3827.5*	3505.43	244.99	252.03		252.26	0.002204	5.13	1019.52	235.88	0.35
ALDER	3	3780.*	3508.07	244.99	251.91		252.15	0.002335	5.19	1011.98	243.54	0.36
ALDER	3	3732.5*	3510.69	244.99	251.83		252.04	0.002185	4.96	1081.10	273.74	0.35
ALDER	3	3685	3513.29	244.99	251.83		251.94	0.001188	3.64	1455.59	345.37	0.26
ALDER	3	3635.83*	3523.44	244.75	251.65		251.88	0.002147	4.88	1043.85	257.72	0.34
ALDER	3	3586.66*	3526.04	244.52	251.44		251.78	0.002723	5.46	883.62	225.91	0.39
ALDER	3	3537.5*	3528.62	244.28	251.29		251.65	0.002639	5.38	836.27	199.82	0.38
ALDER	3	3488.33*	3531.19	244.04	251.18		251.52	0.002357	5.11	844.03	197.00	0.36
ALDER	3	3439.16*	3532.42	243.81	251.09		251.41	0.002018	4.76	873.09	198.80	0.33
ALDER	3	3390	3535.07	243.57	251.03		251.31	0.001675	4.39	918.85	200.20	0.30
ALDER	3	3341.87*	3535.05	243.61	250.95		251.23	0.001719	4.39	923.49	203.20	0.31
ALDER	3	3293.75*	3535.02	243.64	250.88		251.15	0.001741	4.38	933.36	206.57	0.31
ALDER	3	3245.62*	3534.99	243.68	250.80		251.06	0.001738	4.34	948.29	209.81	0.31
ALDER	3	3197.5*	3534.95	243.71	250.73		250.98	0.001713	4.27	968.54	214.27	0.31
ALDER	3	3149.37*	3534.90	243.75	250.66		250.89	0.001660	4.18	994.61	218.58	0.30
ALDER	3	3101.25*	3534.85	243.79	250.59		250.82	0.001583	4.07	1027.00	223.64	0.29
ALDER	3	3053.12*	3534.79	243.82	250.53		250.74	0.001481	3.94	1065.24	227.39	0.28
ALDER	3	3005	3534.73	243.86	250.48		250.67	0.001366	3.78	1109.83	231.46	0.27
ALDER	3	2962.5*	3534.68	243.87	250.37		250.61	0.001769	4.25	979.00	212.73	0.31
ALDER	3	2920.*	3534.63	243.88	250.23		250.53	0.002232	4.71	869.19	190.97	0.34
ALDER	3	2877.5*	3534.58	243.89	250.05		250.43	0.002875	5.24	772.64	176.41	0.39
ALDER	3	2835.*	3534.54	243.89	249.81		250.30	0.003794	5.87	681.84	162.72	0.44
ALDER	3	2792.5*	3534.49	243.90	249.46		250.12	0.005358	6.71	587.44	148.27	0.52
ALDER	3	2750	3534.45	243.91	248.88		249.84	0.008948	8.06	478.26	130.12	0.66
ALDER	3	2704.*	3536.75	243.45	248.43		249.42	0.009565	8.26	474.77	135.04	0.68
ALDER	3	2658.*	3536.70	242.99	247.96		248.98	0.010200	8.43	476.05	143.44	0.71
ALDER	3	2612.*	3536.33	242.53	247.56		248.51	0.009908	8.30	499.87	157.12	0.70
ALDER	3	2566.*	3536.31	242.07	247.36		248.08	0.007596	7.47	578.77	176.32	0.61
ALDER	3	2520	3536.29	241.61	247.25		247.76	0.005285	6.49	717.14	224.73	0.52
ALDER	3	2475.*	3538.10	241.12	246.94		247.53	0.005924	6.95	676.68	217.45	0.55
ALDER	3	2430.*	3539.90	240.63	246.65		247.26	0.006170	7.18	657.92	205.55	0.56
ALDER	3	2385.*	3541.69	240.13	246.40		246.99	0.005929	7.18	667.18	199.95	0.55
ALDER	3	2340.*	3543.46	239.64	246.18		246.73	0.005440	7.03	692.62	198.93	0.53
ALDER	3	2295	3545.22	239.15	246.01		246.50	0.004767	6.76	732.63	199.48	0.50
ALDER	3	2245.*	3546.66	239.15	245.85		246.27	0.003789	6.14	780.98	201.60	0.45
ALDER	3	2195.*	3548.75	239.14	245.78		246.09	0.002507	5.15	905.58	212.14	0.37
ALDER	3	2145	3550.83	239.14	245.77		245.97	0.001530	4.17	1091.64	223.95	0.29
ALDER	3	2101.66*	3552.65	239.14	245.65		245.90	0.002100	4.80	977.17	210.17	0.34
ALDER	3	2058.33*	3554.48	239.14	245.47		245.79	0.003048	5.64	858.05	194.65	0.41
ALDER	3	2015	3556.29	239.14	245.20		245.63	0.004793	6.84	730.35	174.94	0.50
ALDER	3	1969.*	3558.16	238.77	244.91		245.42	0.005357	7.13	697.53	180.00	0.53
ALDER	3	1923.*	3560.02	238.39	244.58		245.18	0.005999	7.40	663.37	185.73	0.56
ALDER	3	1877.*	3561.87	238.02	244.23		244.90	0.006568	7.57	629.52	185.74	0.58
ALDER	3	1831.*	3563.69	237.64	243.84		244.59	0.007220	7.72	594.84	184.77	0.61
ALDER	3	1785	3564.80	237.27	243.42		244.25	0.007931	7.82	556.44	183.21	0.63
ALDER	3	1740.*	3564.74	236.84	243.18		243.91	0.007006	7.37	607.74	204.64	0.59
ALDER	3	1695.*	3564.66	236.41	243.02		243.60	0.005599	6.71	678.00	221.58	0.53
ALDER	3	1650.*	3564.54	235.98	242.90		243.36	0.004264	6.02	765.39	239.40	0.47
ALDER	3	1605.*	3564.40	235.55	242.82		243.18	0.003166	5.37	868.65	259.10	0.41
ALDER	3	1560	3564.25	235.12	242.76		243.05	0.002325	4.78	987.89	282.32	0.35
ALDER	3	1511.42*	3593.94	235.01	242.55		242.93	0.002947	5.42	866.07	254.04	0.40
ALDER	3	1462.85*	3593.94	234.90	242.31		242.79	0.003637	6.03	762.98	226.51	0.44
ALDER	3	1414.28*	3593.92	234.79	242.05		242.61	0.004235	6.51	687.06	188.90	0.48
ALDER	3	1365.71*	3593.90	234.69	241.75		242.40	0.004894	6.99	632.03	164.03	0.51
ALDER	3	1317.14*	3593.87	234.58	241.43		242.16	0.005592	7.43	585.23	140.63	0.55
ALDER	3	1268.57*	3593.83	234.47	241.04		241.88	0.006633	8.00	540.13	125.59	0.59
ALDER	3	1220	3593.77	234.36	240.47		241.53	0.008982	9.02	479.87	115.17	0.68

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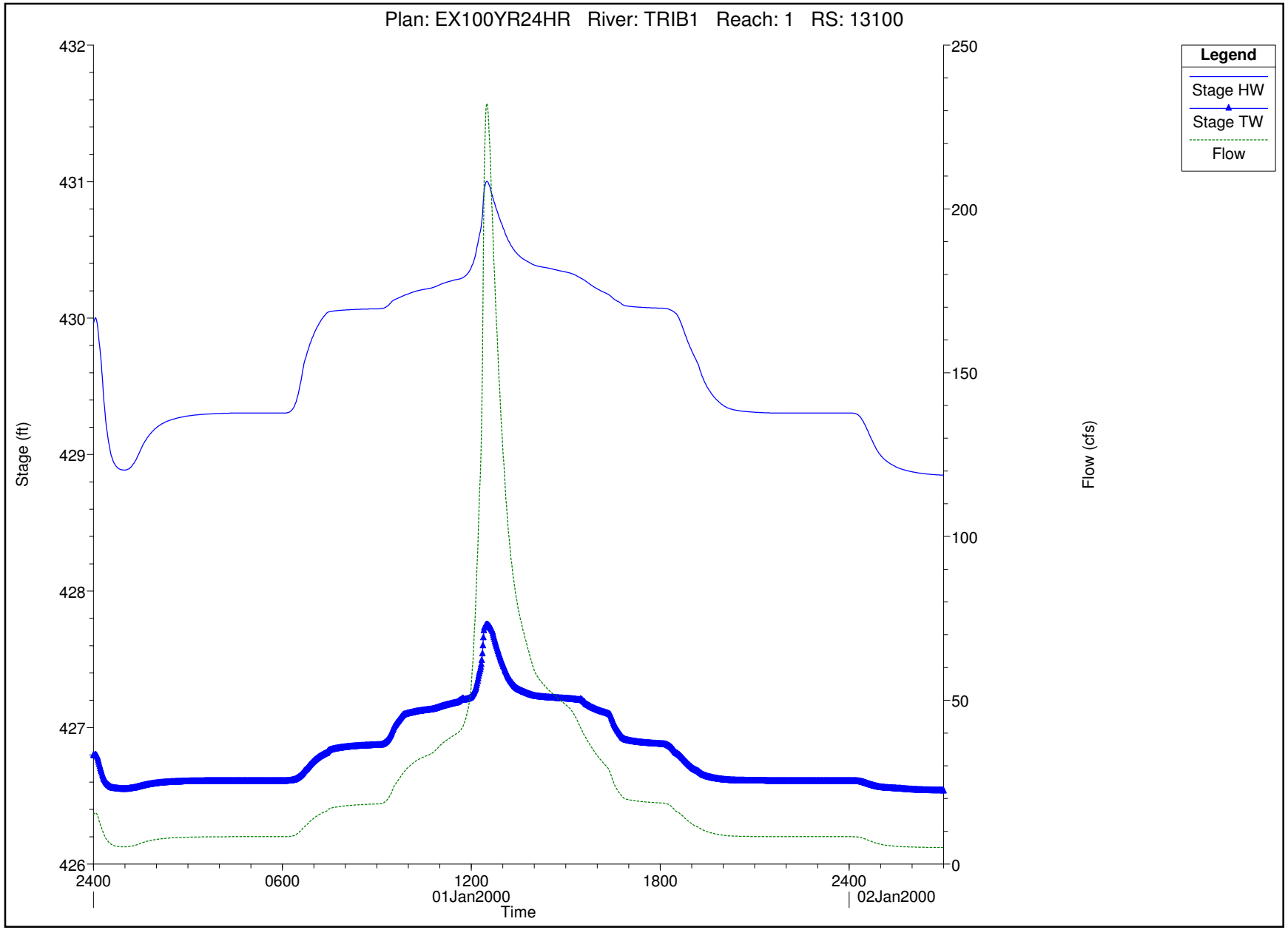
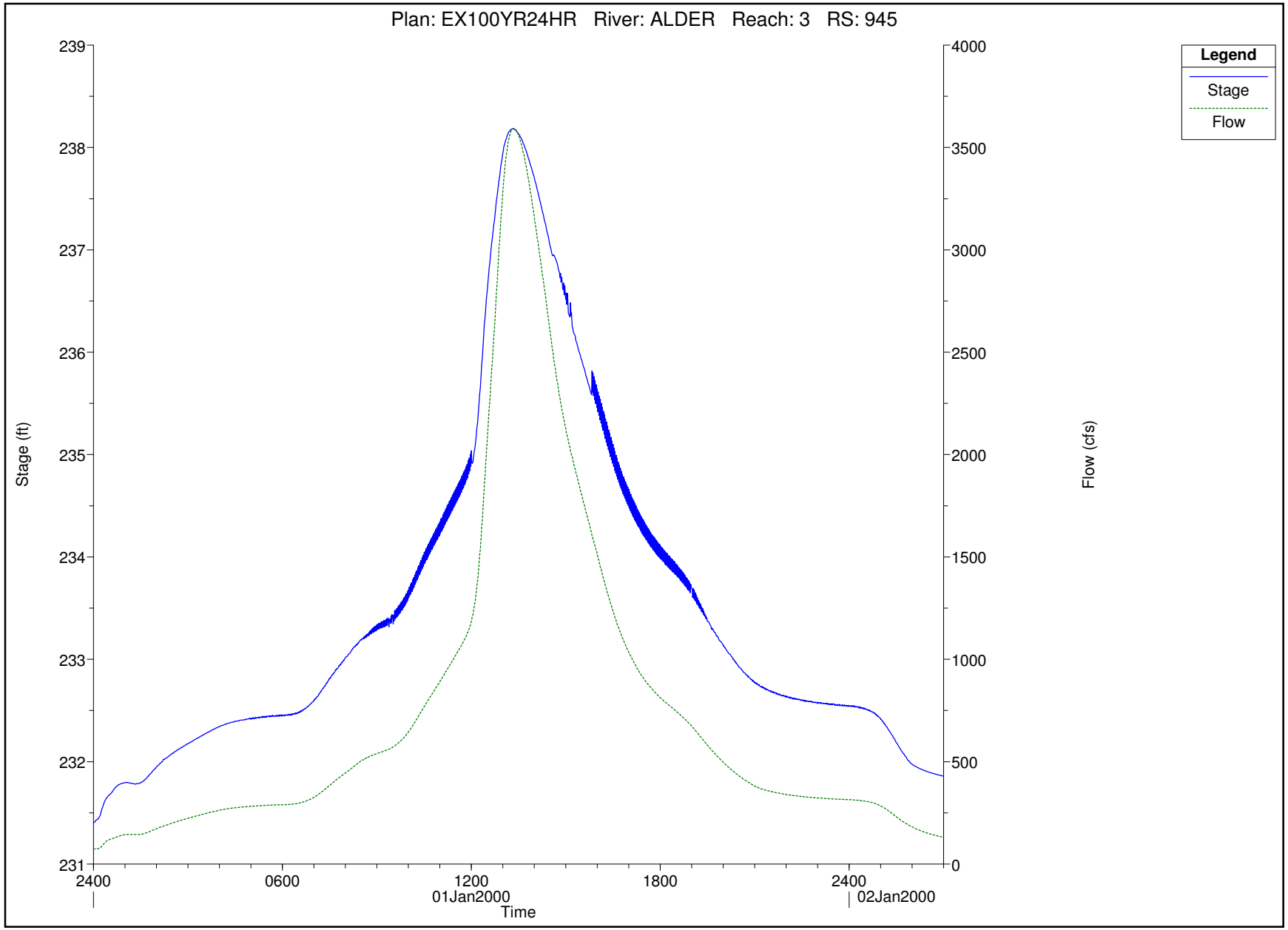
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	1175.*	3593.69	233.55	240.23		241.14	0.007170	8.21	522.37	129.32	0.61
ALDER	3	1130.*	3593.59	232.73	240.14		240.83	0.004987	7.10	611.24	158.64	0.52
ALDER	3	1085	3593.43	231.92	240.23		240.60	0.002613	5.42	926.93	313.61	0.38
ALDER	3	1057.5*	3593.35	231.36	239.57		240.53	0.008490	7.88	456.28	96.53	0.64
ALDER	3	1030	3593.32	230.81	239.44	237.15	240.33	0.006280	7.53	477.09	84.39	0.56
ALDER	3	1000	Bridge									
ALDER	3	945	3592.66	229.78	238.18		238.88	0.005402	6.68	537.48	104.97	0.52
ALDER	3	900	3583.95	229.78	237.80	235.80	238.60	0.006591	7.20	497.80	100.97	0.57


Plan: EX100YR24HR River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
Time
01Jan2000
02Jan2000
2400
0600
1200
1800
2400
426
427
428
429
430
431
432
0
50
100
150
200
250


Plan: EX100YR24HR River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
239
238
237
236
235
234
233
232
231
4000
3500
3000
2500
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: EX100YR24HR Profile: Max WS

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	160.72	267.72	268.71		268.83	0.012629	2.78	57.76	80.66	0.58
TRIB4	1	2123.33*	160.71	267.11	268.26		268.38	0.012510	2.79	57.58	79.49	0.58
TRIB4	1	2086.66*	160.71	266.51	267.70		267.86	0.016650	3.16	50.89	72.30	0.66
TRIB4	1	2050	160.71	265.90	267.07		267.23	0.018377	3.22	49.86	73.85	0.69
TRIB4	1	2010.*	160.99	265.02	266.35		266.51	0.018098	3.23	49.85	72.77	0.69
TRIB4	1	1970.*	161.27	264.15	265.62		265.79	0.018493	3.27	49.35	71.90	0.70
TRIB4	1	1930.*	161.55	263.27	264.90		265.07	0.018188	3.28	49.25	70.38	0.69
TRIB4	1	1890	161.83	262.40	264.16		264.33	0.019053	3.35	48.29	69.09	0.71
TRIB4	1	1848.*	162.11	261.50	263.34		263.53	0.020089	3.52	46.09	63.78	0.73
TRIB4	1	1806.*	162.40	260.59	262.49		262.70	0.019704	3.67	44.30	56.72	0.73
TRIB4	1	1764.*	162.68	259.69	261.62		261.85	0.020950	3.86	42.13	52.10	0.76
TRIB4	1	1722.*	162.97	258.78	260.77		261.01	0.019859	3.90	41.73	48.61	0.74
TRIB4	1	1680	163.25	257.88	260.37		260.48	0.005268	2.63	62.11	48.12	0.41
TRIB4	1	1630.*	163.59	257.07	259.52		259.89	0.020337	4.91	33.33	28.00	0.79
TRIB4	1	1580.*	163.93	256.25	258.21	258.16	258.61	0.032051	5.09	32.18	36.15	0.95
TRIB4	1	1530	164.27	255.44	257.42		257.51	0.004222	2.33	70.47	56.00	0.37
TRIB4	1	1491.66*	164.40	254.70	256.96		257.18	0.013685	3.74	43.92	41.44	0.64
TRIB4	1	1453.33*	164.50	253.97	256.02	255.97	256.49	0.030739	5.51	29.83	28.83	0.96
TRIB4	1	1415	150.21	253.23	255.48		255.59	0.004351	2.67	56.29	37.16	0.38
TRIB4	1	1373.33*	142.00	252.56	255.32		255.42	0.003494	2.45	57.93	36.88	0.34
TRIB4	1	1331.66*	140.40	251.88	255.27		255.32	0.001241	1.63	86.00	46.38	0.21
TRIB4	1	1290	138.80	251.21	255.27		255.28	0.000189	0.88	157.32	51.38	0.09
TRIB4	1	1245.*	138.77	250.41	255.27		255.28	0.000101	0.68	202.69	61.09	0.07
TRIB4	1	1200.*	138.73	249.62	255.27		255.27	0.000044	0.50	276.40	70.49	0.04
TRIB4	1	1155	138.69	248.82	255.27		255.27	0.000018	0.37	378.90	79.96	0.03
TRIB3	1	3020	291.40	339.76	341.09		341.31	0.015735	4.42	78.88	95.49	0.71
TRIB3	1	2971.66*	291.40	338.87	340.31		340.58	0.017859	4.88	73.98	94.51	0.76
TRIB3	1	2923.33*	291.39	337.98	339.47		339.78	0.019976	5.13	68.49	83.59	0.80
TRIB3	1	2875	291.39	337.09	338.74		338.99	0.014788	4.60	75.11	82.33	0.70
TRIB3	1	2830.83*	291.38	336.41	338.13		338.45	0.016653	5.10	68.60	73.01	0.75
TRIB3	1	2786.66*	291.37	335.72	337.50		337.86	0.017895	5.40	65.20	68.70	0.78
TRIB3	1	2742.5*	291.35	335.04	336.84		337.23	0.019173	5.65	62.83	67.17	0.81
TRIB3	1	2698.33*	291.35	334.36	336.17		336.57	0.019474	5.71	61.99	65.30	0.82
TRIB3	1	2654.16*	291.35	333.67	335.48		335.88	0.020352	5.76	60.98	63.82	0.83
TRIB3	1	2610	291.34	332.99	334.84		335.19	0.017633	5.40	64.26	64.23	0.77
TRIB3	1	2561.66*	291.34	332.22	334.15		334.53	0.018467	5.61	62.44	63.04	0.80
TRIB3	1	2513.33*	291.33	331.45	333.46		333.86	0.018295	5.66	61.24	59.95	0.79
TRIB3	1	2465.*	291.31	330.68	332.75		333.16	0.018137	5.69	60.26	57.44	0.79
TRIB3	1	2416.66*	291.30	329.91	332.04		332.46	0.018081	5.70	59.50	55.69	0.79
TRIB3	1	2368.33*	291.29	329.14	331.32		331.74	0.017643	5.66	59.40	54.63	0.78
TRIB3	1	2320	291.29	328.37	330.53	330.45	331.01	0.020868	5.98	55.44	52.33	0.85
TRIB3	1	2272.14*	298.45	327.46	329.69		330.18	0.019491	6.10	56.45	49.03	0.83
TRIB3	1	2224.29*	305.62	326.54	328.88		329.37	0.017286	6.11	58.27	46.50	0.79
TRIB3	1	2176.44*	312.89	325.63	328.06		328.58	0.016930	6.36	58.33	43.62	0.79
TRIB3	1	2128.58*	320.11	324.71	327.27		327.81	0.016095	6.56	58.95	40.97	0.78
TRIB3	1	2080.73*	327.42	323.80	326.54		327.08	0.014710	6.70	60.54	38.75	0.76
TRIB3	1	2032.88*	334.72	322.88	325.91		326.42	0.012349	6.68	64.51	40.33	0.71
TRIB3	1	1985.03	341.86	321.97	325.49		325.87	0.008683	6.28	86.68	67.25	0.61
TRIB3	1	1943.02*	348.21	321.74	325.14		325.51	0.008955	6.23	86.26	63.19	0.62
TRIB3	1	1901.01*	354.57	321.51	324.79		325.15	0.008858	6.06	87.04	59.21	0.61
TRIB3	1	1859.01*	360.91	321.27	324.45		324.79	0.008831	5.89	88.50	58.10	0.61
TRIB3	1	1817.00*	367.26	321.04	324.14		324.44	0.008351	5.61	92.25	58.85	0.59
TRIB3	1	1775	373.52	320.81	323.88		324.13	0.007030	5.10	100.99	62.03	0.54
TRIB3	1	1731.25*	380.22	320.51	323.56		323.84	0.007562	5.30	99.21	60.91	0.56
TRIB3	1	1687.5*	386.91	320.21	323.22		323.52	0.008126	5.49	97.48	59.85	0.58
TRIB3	1	1643.75*	393.61	319.90	322.86		323.18	0.008840	5.67	95.32	58.59	0.60
TRIB3	1	1600	400.30	319.60	322.20		322.70	0.015973	7.01	77.76	54.10	0.80
TRIB3	1	1554.*	406.99	318.94	321.50		322.00	0.016214	6.97	78.77	55.44	0.80
TRIB3	1	1508.*	413.66	318.28	320.71		321.25	0.018456	7.16	77.44	57.44	0.84
TRIB3	1	1462.*	420.34	317.62	319.89	319.86	320.45	0.021255	7.31	77.17	62.03	0.90
TRIB3	1	1416.*	427.04	316.96	319.03	318.99	319.58	0.023205	7.13	77.51	64.07	0.92
TRIB3	1	1370	433.74	316.30	318.18		318.66	0.022866	6.56	80.63	66.15	0.90
TRIB3	1	1325.*	433.73	315.33	317.30		317.79	0.023213	6.60	82.11	71.64	0.90
TRIB3	1	1280.*	433.72	314.36	316.43	316.40	316.93	0.023528	6.65	83.12	77.06	0.91
TRIB3	1	1235.*	433.70	313.39	315.56	315.57	316.07	0.023356	6.65	84.05	82.22	0.91
TRIB3	1	1190.*	433.68	312.42	314.73	314.73	315.22	0.021151	6.42	87.18	87.57	0.86
TRIB3	1	1145.*	433.65	311.45	313.84	313.89	314.37	0.022227	6.53	84.77	90.42	0.88
TRIB3	1	1100	433.62	310.48	313.37		313.62	0.008048	4.53	124.89	109.07	0.55
TRIB3	1	1053.*	433.59	310.03	312.97		313.29	0.009513	4.98	109.60	91.85	0.60
TRIB3	1	1006.*	429.98	309.59	312.55		312.89	0.010012	5.12	104.37	85.99	0.62
TRIB3	1	959.*	393.22	309.14	312.28		312.50	0.005994	4.16	118.48	87.11	0.48
TRIB3	1	912.*	388.77	308.70	312.15		312.27	0.003116	3.25	148.74	88.54	0.36
TRIB3	1	865	383.73	308.25	312.09		312.16	0.001504	2.47	189.40	91.06	0.25
TRIB3	1	815.*	941.47	307.37	310.81		311.51	0.017174	7.69	151.98	87.07	0.84
TRIB3	1	765.*	941.05	306.49	309.97		310.67	0.017040	7.83	153.10	88.90	0.84

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB3	1	715.*	941.47	305.60	309.10		309.82	0.017488	8.07	153.55	92.46	0.85
TRIB3	1	665.*	941.37	304.72	308.21	308.19	308.94	0.018078	8.29	154.04	96.79	0.87
TRIB3	1	615.*	941.25	303.84	307.26	307.31	308.05	0.020804	8.83	150.37	105.44	0.93
TRIB3	1	565	941.12	302.96	306.31	306.44	307.07	0.021601	8.94	157.21	128.10	0.94
TRIB3	1	517.5*	942.11	301.49	305.22	305.62	306.54	0.029191	11.23	125.78	97.21	1.12
TRIB3	1	470.*	943.09	300.02	303.93	304.39	305.45	0.032907	12.26	120.57	94.14	1.19
TRIB3	1	422.5*	944.04	298.54	302.61	303.09	304.20	0.035245	12.89	119.65	94.66	1.23
TRIB3	1	375	944.90	297.07	301.22	300.97	302.91	0.040516	13.72	117.43	97.18	1.30
TRIB3	1	325.*	944.89	295.34	299.59	300.08	301.30	0.034886	13.20	102.80	54.80	1.23
TRIB3	1	275.*	944.87	293.61	297.89	298.39	299.73	0.034928	13.50	97.90	48.16	1.24
TRIB3	1	225.*	944.86	291.89	296.26	296.75	298.09	0.032424	13.43	97.78	45.41	1.21
TRIB3	1	175	942.03	290.16	295.03	295.02	296.24	0.018286	11.08	118.98	47.71	0.93
TRIB2B	1	2970	195.45	471.17	472.82	472.86	473.13	0.022636	5.45	52.32	105.65	0.97
TRIB2B	1	2921.25*	190.81	469.71	471.56	471.74	472.14	0.030764	6.88	39.38	87.76	1.15
TRIB2B	1	2872.5*	190.48	468.26	470.14	470.31	470.76	0.030314	6.97	37.31	73.54	1.15
TRIB2B	1	2823.75*	190.18	466.80	468.64	468.87	469.38	0.037308	7.50	33.69	66.28	1.27
TRIB2B	1	2775	189.51	465.34	467.28	467.38	467.76	0.023856	6.31	40.51	66.44	1.03
TRIB2B	1	2733.75*	190.73	464.10	466.20	466.51	467.09	0.030036	7.73	28.86	56.88	1.18
TRIB2B	1	2692.5*	191.75	462.86	465.01	465.27	465.95	0.030193	7.94	26.30	26.08	1.19
TRIB2B	1	2651.25*	192.75	461.63	463.83	464.10	464.85	0.031310	8.28	25.26	23.69	1.22
TRIB2B	1	2610	193.72	460.39	462.70	462.94	463.71	0.028587	8.29	25.62	22.66	1.17
TRIB2B	1	2565.*	194.75	459.32	461.55	461.78	462.50	0.027374	8.05	26.59	23.87	1.15
TRIB2B	1	2520.*	195.74	458.24	460.39	460.60	461.31	0.027077	7.90	27.35	25.30	1.14
TRIB2B	1	2475.*	196.97	457.17	459.21	459.43	460.14	0.029371	7.98	27.28	26.48	1.18
TRIB2B	1	2430.*	198.17	456.09	458.01	458.31	458.98	0.032929	8.15	26.98	27.94	1.24
TRIB2B	1	2385.*	199.33	455.02	456.92	457.12	457.74	0.028012	7.60	29.80	31.92	1.15
TRIB2B	1	2340	200.47	453.94	455.61	455.93	456.69	0.044549	8.65	26.10	32.06	1.41
TRIB2B	1	2291.87*	201.67	452.05	453.88	454.26	455.11	0.046119	9.10	23.96	25.86	1.45
TRIB2B	1	2243.75*	202.82	450.16	452.16	452.56	453.47	0.045089	9.32	23.08	22.48	1.44
TRIB2B	1	2195.63*	203.92	448.26	450.49	450.86	451.78	0.039700	9.23	23.28	20.55	1.36
TRIB2B	1	2147.51*	204.91	446.37	448.75	449.18	450.16	0.041322	9.63	22.24	18.55	1.39
TRIB2B	1	2099.39	206.22	444.48	447.43	447.48	448.33	0.018784	7.74	28.72	19.54	0.97
TRIB2B	1	2049.51*	207.54	443.84	446.60	446.65	447.43	0.018599	7.48	30.21	22.38	0.97
TRIB2B	1	1999.63*	208.82	443.19	445.78	445.85	446.55	0.018453	7.23	31.96	26.13	0.96
TRIB2B	1	1949.75*	210.07	442.55	444.96	445.04	445.67	0.018395	6.99	34.15	31.75	0.96
TRIB2B	1	1899.87*	211.22	441.90	444.14	444.22	444.75	0.017562	6.61	37.96	39.63	0.93
TRIB2B	1	1850	212.26	441.26	443.16	443.33	443.86	0.026391	7.20	35.64	44.03	1.11
TRIB2B	1	1804.*	213.18	440.14	442.08	442.26	442.83	0.028526	7.24	33.41	40.87	1.14
TRIB2B	1	1758.*	214.22	439.01	440.97	441.17	441.76	0.031078	7.24	31.88	39.75	1.18
TRIB2B	1	1712.*	215.42	437.89	439.84	440.05	440.64	0.033872	7.20	30.69	36.58	1.21
TRIB2B	1	1666.*	216.58	436.76	438.70	438.91	439.51	0.036682	7.20	30.17	31.50	1.25
TRIB2B	1	1620	217.69	435.64	437.67	437.74	438.32	0.027974	6.45	33.76	32.39	1.10
TRIB2B	1	1574.27*	217.48	434.66	436.78	436.80	437.38	0.024208	6.23	34.96	32.20	1.03
TRIB2B	1	1528.55*	217.28	433.68	435.88	435.87	436.46	0.021817	6.09	35.79	31.69	0.99
TRIB2B	1	1482.82*	217.08	432.70	434.94	434.93	435.53	0.021901	6.15	35.37	30.78	0.99
TRIB2B	1	1437.10*	216.84	431.73	433.98	434.00	434.60	0.023085	6.35	34.24	29.65	1.02
TRIB2B	1	1391.37*	216.70	430.75	433.02	433.06	433.68	0.023977	6.52	33.34	28.78	1.04
TRIB2B	1	1345.65*	216.66	429.77	432.08	432.12	432.75	0.023480	6.58	33.09	28.23	1.03
TRIB2B	1	1299.93	216.47	428.79	431.29	431.33	431.76	0.014456	5.67	43.88	61.13	0.83
TRIB2	1	8784.93	62.62	488.65	489.91	490.06	490.50	0.043010	6.16	10.35	15.83	1.28
TRIB2	1	8736.62*	62.62	487.01	488.31	488.41	488.85	0.037729	5.95	10.66	15.53	1.20
TRIB2	1	8688.31*	62.62	485.36	486.61	486.77	487.24	0.047227	6.39	9.91	15.41	1.33
TRIB2	1	8640	62.61	483.72	485.03	485.13	485.53	0.032482	5.69	11.38	17.36	1.12
TRIB2	1	8593.75*	64.02	482.59	483.84	483.89	484.28	0.028520	5.35	12.27	17.84	1.06
TRIB2	1	8547.5*	65.54	481.46	482.60	482.66	483.06	0.032993	5.48	12.14	18.19	1.12
TRIB2	1	8501.25*	67.18	480.32	481.73		481.92	0.008342	3.53	19.97	22.75	0.60
TRIB2	1	8455	69.05	479.19	480.04	480.24	480.70	0.065398	6.50	10.64	19.13	1.52
TRIB2	1	8409.*	70.70	476.28	477.27	477.46	477.97	0.060484	6.70	10.58	17.41	1.48
TRIB2	1	8363.*	72.40	473.37	474.45	474.72	475.35	0.076569	7.62	9.51	15.17	1.67
TRIB2	1	8317.*	74.14	470.45	471.73	472.00	472.64	0.062767	7.66	9.73	13.82	1.55
TRIB2	1	8271.*	75.87	467.54	468.90	469.37	470.24	0.094233	9.31	8.18	11.47	1.88
TRIB2	1	8225	77.61	464.63	466.45	466.68	467.33	0.037716	7.63	10.65	20.81	1.26
TRIB2	1	8182.5*	79.60	463.14	464.94	465.17	465.80	0.036768	7.51	11.08	12.33	1.25
TRIB2	1	8140.*	81.62	461.66	463.44	463.65	464.27	0.035729	7.40	11.56	12.95	1.23
TRIB2	1	8097.5*	83.64	460.17	461.91	462.14	462.77	0.038150	7.49	11.66	13.37	1.27
TRIB2	1	8055.*	85.66	458.68	460.43	460.63	461.23	0.035648	7.28	12.33	14.16	1.23
TRIB2	1	8012.5*	87.69	457.20	458.87	459.12	459.77	0.042998	7.67	11.90	14.36	1.34
TRIB2	1	7970	89.71	455.71	457.54	457.61	458.15	0.023836	6.34	15.16	16.73	1.02
TRIB2	1	7925.02*	91.88	454.76	456.54	456.61	457.12	0.023665	6.20	15.81	17.86	1.02
TRIB2	1	7880.04*	94.04	453.81	455.55	455.60	456.10	0.023435	6.08	16.48	19.04	1.01
TRIB2	1	7835.06*	96.20	452.86	454.56	454.61	455.09	0.022919	5.94	17.23	20.31	1.00
TRIB2	1	7790.08*	98.37	451.91	453.56	453.61	454.09	0.023569	5.90	17.68	21.38	1.01
TRIB2	1	7745.10*	100.54	450.96	452.66	452.62	453.08	0.017721	5.32	20.31	23.82	0.88
TRIB2	1	7700.13	102.71	450.01	451.46	451.63	452.14	0.038442	6.69	15.94	21.99	1.25
TRIB2	1	7653.10*	104.99	448.23	449.79	449.96	450.51	0.037639	6.88	15.73	19.87	1.25

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	7606.07*	107.30	446.44	448.12	448.30	448.89	0.037037	7.09	15.56	18.30	1.25
TRIB2	1	7559.05*	109.60	444.66	446.45	446.65	447.29	0.037207	7.36	15.30	16.96	1.26
TRIB2	1	7512.02*	111.91	442.87	444.73	445.01	445.74	0.045526	8.12	14.08	15.28	1.38
TRIB2	1	7465	114.22	441.09	443.51		444.03	0.014440	5.90	20.82	17.55	0.83
TRIB2	1	7421.*	116.39	440.56	442.90	442.82	443.43	0.014987	6.02	21.36	19.08	0.84
TRIB2	1	7377.*	118.55	440.04	442.24	442.24	442.81	0.016848	6.27	21.49	20.87	0.89
TRIB2	1	7333.*	120.72	439.51	441.56	441.62	442.16	0.019430	6.54	21.75	23.27	0.96
TRIB2	1	7289.*	122.89	438.99	440.90	440.98	441.46	0.020045	6.51	23.77	29.16	0.97
TRIB2	1	7245	125.06	438.46	440.07	440.22	440.65	0.029118	7.00	23.94	36.18	1.14
TRIB2	1	7198.57*	125.04	437.31	438.98	439.22	439.74	0.033526	7.60	20.72	31.13	1.22
TRIB2	1	7152.14*	125.02	436.16	437.89	438.09	438.67	0.032235	7.50	19.62	25.10	1.20
TRIB2	1	7105.71*	125.00	435.01	436.79	436.99	437.57	0.030896	7.37	19.25	23.27	1.18
TRIB2	1	7059.28*	124.98	433.85	435.68	435.86	436.44	0.029315	7.17	19.21	22.15	1.14
TRIB2	1	7012.85*	124.95	432.70	434.58	434.72	435.29	0.027007	6.90	19.52	21.47	1.10
TRIB2	1	6966.42*	124.94	431.55	433.44	433.57	434.16	0.027940	6.89	19.13	20.68	1.11
TRIB2	1	6920	124.93	430.40	432.47	432.43	432.99	0.017781	5.89	22.38	21.65	0.90
TRIB2	1	6870.93*	124.93	429.57	431.66	431.61	432.17	0.017371	5.80	22.65	22.05	0.89
TRIB2	1	6821.87*	124.92	428.74	430.86	430.79	431.36	0.017020	5.72	22.86	22.26	0.88
TRIB2	1	6772.81*	124.90	427.91	430.03	429.97	430.54	0.017900	5.76	22.51	22.17	0.90
TRIB2	1	6723.74*	124.88	427.08	429.19	429.16	429.71	0.019121	5.83	22.04	21.78	0.92
TRIB2	1	6674.68*	120.03	426.25	428.45		428.87	0.014583	5.24	23.66	22.84	0.81
TRIB2	1	6625.62*	118.94	425.42	428.23		428.39	0.003636	3.34	39.85	32.15	0.43
TRIB2	1	6576.56	118.78	424.59	428.21		428.27	0.000870	2.06	71.53	47.40	0.22
TRIB2	2	6527.5	335.25	423.76	426.82	426.92	427.70	0.019042	7.64	47.89	37.24	0.99
TRIB2	2	6478.43*	335.08	422.93	426.01	426.11	426.88	0.019103	7.64	47.67	37.47	0.99
TRIB2	2	6429.37*	334.87	422.10	425.19	425.30	426.07	0.019054	7.62	47.55	37.79	0.99
TRIB2	2	6380.31*	334.61	421.27	424.38	424.49	425.26	0.019144	7.63	47.25	37.96	0.99
TRIB2	2	6331.25*	334.31	420.44	423.56	423.68	424.44	0.019188	7.62	46.97	37.95	0.99
TRIB2	2	6282.18*	333.97	419.61	422.75	422.88	423.63	0.019193	7.61	46.75	38.15	0.99
TRIB2	2	6233.12*	333.92	418.78	421.94	422.05	422.82	0.019170	7.59	46.56	38.12	0.99
TRIB2	2	6184.06*	333.83	417.95	421.12	421.24	422.01	0.019367	7.60	46.14	38.11	0.99
TRIB2	2	6135	333.69	417.12	420.31	420.54	421.19	0.019279	7.58	46.00	37.97	0.99
TRIB2	2	6087.5*	333.52	416.36	419.53	419.64	420.42	0.019210	7.62	46.05	37.44	0.99
TRIB2	2	6040.*	333.33	415.60	418.74	418.86	419.64	0.019253	7.67	46.14	37.53	0.99
TRIB2	2	5992.5*	333.11	414.84	417.95	418.08	418.86	0.019419	7.73	46.23	37.98	1.00
TRIB2	2	5945.*	332.86	414.08	417.15	417.32	418.07	0.019805	7.81	46.29	38.87	1.01
TRIB2	2	5897.5*	332.55	413.33	416.35	416.53	417.27	0.020127	7.87	46.61	40.21	1.01
TRIB2	2	5850.*	332.53	412.57	415.53	415.73	416.47	0.020822	7.97	46.94	42.04	1.03
TRIB2	2	5802.5*	332.48	411.81	414.62	414.91	415.70	0.026069	8.57	43.99	42.46	1.14
TRIB2	2	5755	332.38	411.05	413.72	413.93	414.93	0.031870	9.12	42.19	111.56	1.25
TRIB2	2	5708.12*	335.11	410.28	412.95	413.19	413.69	0.022896	7.72	64.95	113.34	1.06
TRIB2	2	5661.25*	337.76	409.51	412.20	412.46	413.00	0.024161	7.97	63.33	115.37	1.09
TRIB2	2	5614.37*	340.32	408.74	411.44	411.74	412.31	0.025648	8.23	61.32	114.59	1.12
TRIB2	2	5567.5*	342.89	407.97	410.68	411.01	411.55	0.025732	8.26	59.92	98.90	1.13
TRIB2	2	5520.62*	345.72	407.20	409.92	410.28	410.78	0.025883	8.29	59.80	93.97	1.13
TRIB2	2	5473.75*	348.47	406.43	409.15	409.34	410.01	0.026163	8.32	59.85	90.62	1.13
TRIB2	2	5426.87*	351.12	405.66	408.39	408.69	409.20	0.024760	8.12	61.89	88.56	1.10
TRIB2	2	5380	353.62	404.89	407.73	407.87	408.32	0.017888	7.17	71.83	97.54	0.95
TRIB2	2	5330.38*	356.20	404.21	407.09	407.30	407.81	0.018762	7.58	66.80	89.91	0.98
TRIB2	2	5280.76*	359.15	403.53	406.45	406.72	407.22	0.018190	7.65	62.40	73.82	0.97
TRIB2	2	5231.15*	362.03	402.85	405.78	405.95	406.60	0.017905	7.72	59.55	66.83	0.97
TRIB2	2	5181.53*	364.87	402.17	405.09	405.29	405.93	0.017707	7.74	57.03	59.88	0.96
TRIB2	2	5131.92*	367.68	401.49	404.38	404.53	405.21	0.017271	7.67	56.99	49.30	0.95
TRIB2	2	5082.30*	370.47	400.81	403.66	403.80	404.48	0.017141	7.62	57.60	49.44	0.95
TRIB2	2	5032.69*	373.12	400.12	402.94	403.05	403.75	0.017042	7.58	58.19	49.74	0.95
TRIB2	2	4983.07*	376.12	399.44	402.21	402.31	403.02	0.017071	7.56	58.83	50.47	0.95
TRIB2	2	4933.46*	379.09	398.76	401.49	401.49	402.29	0.016971	7.52	59.71	51.69	0.95
TRIB2	2	4883.84*	382.03	398.08	400.77	400.75	401.55	0.016758	7.47	60.95	57.97	0.94
TRIB2	2	4834.23*	384.93	397.40	400.05	400.23	400.81	0.016516	7.39	63.15	68.66	0.93
TRIB2	2	4784.61*	387.80	396.72	399.33	399.50	400.08	0.016377	7.35	66.01	71.53	0.93
TRIB2	2	4735	390.63	396.04	398.58	398.75	399.31	0.016441	7.29	67.74	78.47	0.93
TRIB2	2	4689.09*	393.19	395.29	397.87	398.05	398.63	0.017064	7.42	66.34	72.01	0.95
TRIB2	2	4643.18*	395.72	394.53	397.15	397.34	397.94	0.017573	7.54	65.21	69.89	0.96
TRIB2	2	4597.27*	398.26	393.78	396.44	396.63	397.25	0.017834	7.61	64.61	67.91	0.97
TRIB2	2	4551.36*	400.98	393.03	395.72	395.93	396.55	0.018175	7.69	63.65	64.10	0.98
TRIB2	2	4505.45*	403.67	392.27	395.00	395.21	395.86	0.018645	7.79	62.80	61.88	0.99
TRIB2	2	4459.54*	406.33	391.52	394.29	394.48	395.16	0.018780	7.84	62.39	59.93	0.99
TRIB2	2	4413.63*	408.97	390.76	393.58	393.76	394.45	0.018822	7.87	62.24	58.42	0.99
TRIB2	2	4367.72*	411.58	390.01	392.86	393.06	393.74	0.018802	7.90	62.19	57.21	0.99
TRIB2	2	4321.81*	414.17	389.26	392.15	392.34	393.03	0.018683	7.90	62.16	55.27	0.99
TRIB2	2	4275.90*	416.75	388.50	391.44	391.62	392.32	0.018304	7.87	62.57	54.46	0.98
TRIB2	2	4230	419.34	387.75	390.46	390.90	391.79	0.032389	9.54	49.15	44.17	1.28
TRIB2	2	4184.*	421.97	386.46	389.17	389.61	390.53	0.032133	9.63	48.92	42.72	1.28
TRIB2	2	4138.*	424.58	385.17	387.89	388.33	389.27	0.032155	9.72	48.99	42.50	1.28
TRIB2	2	4092.*	427.28	383.88	386.59	387.07	387.98	0.032075	9.78	49.64	43.60	1.28

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	4046.*	430.01	382.59	385.29	385.77	386.69	0.032285	9.87	50.63	46.60	1.29
TRIB2	2	4000.*	432.74	381.30	383.99	384.39	385.37	0.032092	9.89	52.38	50.80	1.29
TRIB2	2	3954.*	435.45	380.01	382.70	383.07	383.98	0.030655	9.71	55.22	53.14	1.26
TRIB2	2	3908.*	433.73	378.72	381.35	381.73	382.60	0.031805	9.75	55.48	52.74	1.28
TRIB2	2	3862.*	374.52	377.43	380.49		380.91	0.008637	5.91	84.58	65.90	0.69
TRIB2	2	3816.*	376.38	376.14	380.49		380.55	0.000965	2.67	243.64	176.16	0.25
TRIB2	2	3770	378.02	374.85	380.50		380.51	0.000137	1.24	494.71	200.73	0.10
TRIB2	2	3722.5*	377.37	373.88	380.49		380.50	0.000090	1.12	550.19	199.46	0.08
TRIB2	2	3675.*	376.73	372.92	380.49		380.50	0.000056	0.96	633.07	202.51	0.07
TRIB2	2	3627.5*	376.07	371.95	380.49		380.50	0.000034	0.80	754.35	219.22	0.05
TRIB2	2	3580	375.36	370.98	380.49		380.50	0.000019	0.65	939.14	246.58	0.04
TRIB2	2	3500	Culvert									
TRIB2	2	3490	375.36	369.21	373.75		374.49	0.009746	6.97	56.54	25.22	0.73
TRIB2	2	3442.*	375.35	369.13	373.31		374.02	0.009511	6.83	58.27	27.56	0.73
TRIB2	2	3394.*	375.34	369.06	372.88		373.56	0.009723	6.76	59.69	30.89	0.74
TRIB2	2	3346.*	375.32	368.98	372.46		373.12	0.009916	6.66	62.06	35.70	0.75
TRIB2	2	3298.*	375.30	368.91	372.00		372.65	0.010942	6.69	64.19	43.29	0.78
TRIB2	2	3250	375.30	368.83	371.36	371.44	372.12	0.017105	7.40	60.29	51.72	0.95
TRIB2	2	3203.*	376.05	367.92	370.58	370.69	371.41	0.018167	7.63	57.09	46.56	0.98
TRIB2	2	3156.*	376.81	367.02	369.84	369.91	370.65	0.017602	7.59	57.06	44.49	0.96
TRIB2	2	3109.*	377.56	366.11	369.09	369.14	369.89	0.017119	7.54	57.52	44.11	0.95
TRIB2	2	3062.*	378.31	365.21	368.33	368.39	369.13	0.016905	7.52	57.89	44.34	0.94
TRIB2	2	3015	379.06	364.30	367.62	367.64	368.36	0.014976	7.23	61.11	46.84	0.89
TRIB2	2	2970.*	379.78	363.86	367.02	366.99	367.73	0.014201	7.00	61.52	48.58	0.87
TRIB2	2	2925.*	380.50	363.41	366.44	366.39	367.13	0.013987	6.80	62.31	52.18	0.86
TRIB2	2	2880	381.22	362.97	365.87	365.76	366.49	0.013478	6.47	66.32	56.71	0.84
TRIB2	2	2834.83*	381.94	362.40	365.30	365.37	365.94	0.014104	6.70	68.08	67.46	0.86
TRIB2	2	2789.67*	382.66	361.84	364.67	364.73	365.31	0.015275	6.91	68.95	65.10	0.89
TRIB2	2	2744.50*	383.38	361.27	364.05	364.05	364.63	0.015202	6.83	71.34	63.01	0.89
TRIB2	2	2699.34	384.10	360.70	363.69		364.03	0.008163	5.39	90.50	64.67	0.66
TRIB2	2	2653.25*	384.82	360.07	363.07	363.10	363.71	0.014296	7.23	70.60	59.82	0.88
TRIB2	2	2607.17*	385.54	359.45	362.37	362.69	363.30	0.020598	8.59	59.10	54.40	1.05
TRIB2	2	2561.08*	386.26	358.82	361.52	361.72	362.33	0.023137	8.57	64.57	67.64	1.09
TRIB2	2	2515	386.92	358.19	360.93		361.17	0.006928	4.82	104.11	72.40	0.60
TRIB2	2	2473.*	387.58	357.48	360.50	360.73	361.36	0.018498	8.49	65.60	66.41	1.00
TRIB2	2	2431.*	388.24	356.78	359.83	360.06	360.90	0.020264	8.91	52.48	37.26	1.05
TRIB2	2	2389.*	388.90	356.07	359.05	359.29	360.16	0.021314	8.91	50.94	36.47	1.07
TRIB2	2	2347.*	389.55	355.37	358.30	358.46	359.27	0.019213	8.33	54.70	39.94	1.01
TRIB2	2	2305	390.21	354.66	357.73		358.32	0.011221	6.65	72.33	52.63	0.78
TRIB2	2	2263.33*	390.85	354.11	357.27		357.90	0.011605	6.77	68.93	48.18	0.80
TRIB2	2	2221.66*	391.49	353.55	356.83		357.45	0.011177	6.69	68.55	46.58	0.78
TRIB2	2	2180	392.13	353.00	356.46		357.01	0.009100	6.24	73.63	48.36	0.71
TRIB2	2	2138.*	392.78	352.65	356.06		356.63	0.009684	6.41	71.57	47.47	0.74
TRIB2	2	2096.*	393.43	352.30	355.63		356.25	0.010526	6.62	69.30	46.83	0.77
TRIB2	2	2054.*	394.08	351.96	355.16	355.07	355.84	0.012030	6.94	66.27	46.54	0.81
TRIB2	2	2012.*	394.74	351.61	354.67	354.65	355.41	0.014045	7.28	63.77	47.60	0.87
TRIB2	2	1970	395.39	351.26	354.19	354.29	354.85	0.014060	7.09	72.65	70.53	0.87
TRIB2	2	1928.*	396.04	350.82	353.73	353.85	354.39	0.014432	7.13	74.24	78.16	0.88
TRIB2	2	1886.*	396.69	350.39	353.28	353.41	353.93	0.014577	7.11	75.65	82.76	0.88
TRIB2	2	1844.*	397.33	349.95	352.85	352.84	353.44	0.013607	6.87	78.39	80.35	0.85
TRIB2	2	1802.*	389.47	349.52	352.49	352.36	352.95	0.010403	6.16	87.80	86.68	0.74
TRIB2	2	1760	389.65	349.08	352.28		352.58	0.006317	5.13	113.60	113.75	0.59
TRIB2	2	1716.*	389.96	348.40	351.76		352.29	0.009101	6.31	77.21	54.81	0.71
TRIB2	2	1672.*	399.92	347.71	351.17	351.10	351.96	0.012588	7.45	62.80	41.36	0.84
TRIB2	2	1628.*	400.59	347.03	350.61	350.58	351.51	0.013788	7.90	57.80	34.60	0.88
TRIB2	2	1584.*	401.27	346.34	350.00	350.07	351.00	0.015373	8.35	55.14	33.03	0.93
TRIB2	2	1540	401.94	345.66	349.19	349.52	350.50	0.022781	9.61	48.63	33.06	1.11
TRIB2	2	1490.*	402.70	344.89	348.12	348.36	349.24	0.022242	8.72	51.13	36.80	1.08
TRIB2	2	1440.*	403.46	344.12	347.15	347.31	348.11	0.021687	8.01	54.20	41.34	1.05
TRIB2	2	1390.*	404.22	343.35	346.22	346.34	347.07	0.021431	7.47	57.51	47.74	1.03
TRIB2	2	1340	404.80	342.58	345.32	345.41	346.04	0.020944	6.94	63.28	60.77	1.01
TRIB2	2	1298.75*	400.72	341.95	344.67	344.66	345.27	0.015855	6.34	69.20	62.34	0.89
TRIB2	2	1257.5*	398.40	341.33	344.26		344.61	0.007398	4.94	91.48	69.70	0.63
TRIB2	2	1216.25*	390.99	340.70	344.24		344.37	0.001980	3.18	148.64	86.34	0.34
TRIB2	2	1175	391.46	340.08	344.25		344.31	0.000686	2.22	222.25	101.26	0.21
TRIB2	2	1125.*	391.43	339.49	344.24		344.28	0.000353	1.77	283.99	109.90	0.15
TRIB2	2	1075.*	391.40	338.89	344.24		344.26	0.000196	1.44	352.20	117.98	0.12
TRIB2	2	1025	391.37	338.30	344.24		344.26	0.000118	1.21	424.26	126.65	0.09
TRIB1	1	15010	133.57	485.17	486.79	487.04	487.58	0.038352	7.25	20.07	31.71	1.27
TRIB1	1	14964.*	133.52	483.66	485.09	485.30	485.80	0.039844	6.81	20.71	31.24	1.28
TRIB1	1	14918.*	133.47	482.16	483.42	483.59	484.05	0.040418	6.42	21.73	33.61	1.27
TRIB1	1	14872.*	133.44	480.65	481.77	481.90	482.33	0.040300	6.06	22.90	36.81	1.25
TRIB1	1	14826.*	133.43	479.15	480.12	480.24	480.64	0.042142	5.84	23.64	40.03	1.26
TRIB1	1	14780	133.42	477.64	478.44	478.59	478.99	0.053098	5.99	22.92	43.05	1.38
TRIB1	1	14731.6*	136.38	475.53	476.58	476.70	477.11	0.044047	5.86	23.79	40.19	1.28

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	14683.3*	139.34	473.42	474.65	474.82	475.28	0.050008	6.39	22.13	35.78	1.37
TRIB1	1	14635.*	142.30	471.32	472.79	472.94	473.40	0.040021	6.30	22.91	32.93	1.25
TRIB1	1	14586.6*	145.26	469.21	470.81	471.05	471.60	0.050225	7.16	20.31	25.92	1.41
TRIB1	1	14538.3*	148.22	467.10	469.03	469.24	469.68	0.031816	6.48	22.97	27.47	1.15
TRIB1	1	14490	151.17	464.99	466.86	467.39	468.09	0.064263	8.90	16.98	18.09	1.62
TRIB1	1	14445.*	153.89	462.39	464.27	464.63	465.40	0.057135	8.52	18.06	18.83	1.53
TRIB1	1	14400.*	156.61	459.80	461.59	461.99	462.85	0.066678	9.01	17.39	18.76	1.65
TRIB1	1	14355.*	159.32	457.20	459.04	459.35	460.07	0.049649	8.15	19.60	20.56	1.44
TRIB1	1	14310.*	162.04	454.61	456.23	456.70	457.73	0.084362	9.80	16.53	19.08	1.84
TRIB1	1	14265	164.76	452.01	453.96	454.05	454.67	0.024713	6.79	25.10	23.96	1.06
TRIB1	1	14217.5*	185.02	450.79	452.77	452.91	453.56	0.027153	7.22	26.80	25.84	1.12
TRIB1	1	14170.*	187.92	449.57	451.52	451.69	452.32	0.028342	7.28	27.23	27.43	1.14
TRIB1	1	14122.5*	190.81	448.36	450.30	450.46	451.07	0.027385	7.15	28.57	30.01	1.12
TRIB1	1	14075.*	193.69	447.14	449.05	449.22	449.81	0.028416	7.17	29.43	33.27	1.14
TRIB1	1	14027.5*	196.57	445.92	447.72	447.98	448.60	0.037536	7.74	28.31	38.91	1.29
TRIB1	1	13980	199.47	444.70	446.50	446.67	447.18	0.031079	7.04	33.22	45.04	1.17
TRIB1	1	13930.*	202.49	443.38	445.36	445.51	446.03	0.026968	6.91	33.98	43.08	1.10
TRIB1	1	13880.*	205.51	442.05	444.18	444.35	444.90	0.027093	7.11	32.92	40.00	1.11
TRIB1	1	13830.*	208.52	440.73	443.01	443.18	443.76	0.026210	7.19	32.44	37.35	1.10
TRIB1	1	13780.*	211.51	439.41	441.83	442.01	442.61	0.025374	7.26	32.07	34.80	1.09
TRIB1	1	13730.*	214.51	438.08	440.63	440.81	441.46	0.025883	7.44	31.19	31.93	1.10
TRIB1	1	13680	217.50	436.76	439.46	439.62	440.29	0.024042	7.38	31.58	30.25	1.06
TRIB1	1	13635.8*	220.15	435.83	438.45	438.57	439.21	0.023202	7.06	32.90	31.99	1.04
TRIB1	1	13591.6*	222.78	434.89	437.45	437.53	438.15	0.022681	6.79	34.24	34.04	1.02
TRIB1	1	13547.5*	225.41	433.96	436.46	436.52	437.12	0.022545	6.57	35.43	35.92	1.01
TRIB1	1	13503.3*	228.03	433.03	435.48	435.52	436.11	0.022624	6.40	36.59	38.20	1.01
TRIB1	1	13459.1*	230.64	432.09	434.50	434.54	435.11	0.022896	6.26	37.63	40.30	1.00
TRIB1	1	13415	233.23	431.16	433.63	433.57	434.12	0.018063	5.67	42.70	48.45	0.90
TRIB1	1	13367.*	233.06	430.40	432.78	432.81	433.26	0.018631	5.59	44.48	58.94	0.91
TRIB1	1	13319.*	233.05	429.63	431.92	431.96	432.39	0.020903	5.62	45.44	63.91	0.95
TRIB1	1	13271.*	232.95	428.87	431.20	431.11	431.49	0.013157	4.61	62.15	102.58	0.76
TRIB1	1	13223.*	232.21	428.10	431.01		431.02	0.000565	1.26	224.05	166.53	0.17
TRIB1	1	13175	232.14	427.34	431.00		431.01	0.000083	0.62	404.58	178.14	0.07
TRIB1	1	13100	Culvert									
TRIB1	1	13085	232.14	425.97	427.75		427.89	0.017954	3.91	85.36	199.52	0.82
TRIB1	1	13041.2*	232.03	425.44	426.98	427.06	427.27	0.028885	5.06	67.95	207.74	1.05
TRIB1	1	12997.5*	231.90	424.91	426.24	426.36	426.60	0.027689	5.21	58.44	200.31	1.04
TRIB1	1	12953.7*	231.74	424.38	425.43	425.46	425.73	0.023408	4.68	59.75	128.34	0.95
TRIB1	1	12910	231.53	423.85	424.64		424.86	0.018691	4.07	67.49	132.43	0.85
TRIB1	1	12866.6*	231.49	423.14	423.96		424.18	0.018335	4.08	66.88	125.00	0.84
TRIB1	1	12823.3*	231.41	422.43	423.29		423.51	0.018171	4.10	66.49	121.20	0.84
TRIB1	1	12780.*	231.28	421.73	422.62		422.83	0.017355	4.08	67.12	119.39	0.82
TRIB1	1	12736.6*	231.11	421.02	421.93		422.16	0.017842	4.15	66.11	116.83	0.84
TRIB1	1	12693.3*	230.87	420.31	421.30		421.49	0.014103	3.87	71.43	118.14	0.75
TRIB1	1	12650	230.82	419.60	420.52	420.52	420.80	0.023654	4.63	59.44	110.26	0.96
TRIB1	1	12607.5*	232.85	418.64	419.61	419.62	419.92	0.022920	4.85	57.72	103.25	0.95
TRIB1	1	12565.*	234.87	417.67	418.68	418.71	419.03	0.023327	5.11	54.91	94.41	0.97
TRIB1	1	12522.5*	236.88	416.71	417.74	417.77	418.13	0.023904	5.34	52.32	83.43	0.99
TRIB1	1	12480.*	238.77	415.75	416.80	416.84	417.22	0.024175	5.55	50.53	75.54	1.01
TRIB1	1	12437.5*	240.92	414.78	415.88	415.91	416.32	0.023597	5.70	49.64	69.36	1.01
TRIB1	1	12395	198.75	413.82	415.28		415.43	0.005510	3.43	72.40	80.97	0.51
TRIB1	1	12345.*	349.82	413.04	414.51	414.47	414.93	0.015992	5.86	75.63	85.35	0.87
TRIB1	1	12295.*	352.04	412.26	413.71	413.63	414.12	0.016276	5.88	77.73	92.72	0.88
TRIB1	1	12245.*	354.58	411.49	412.88	412.85	413.30	0.017161	5.92	78.83	97.43	0.90
TRIB1	1	12195.*	357.08	410.71	412.01	412.05	412.45	0.019989	6.14	77.22	100.92	0.96
TRIB1	1	12145	359.45	409.93	411.36		411.62	0.010937	4.86	96.63	102.93	0.72
TRIB1	1	12097.*	361.34	409.14	410.75		411.10	0.012352	5.37	86.91	94.57	0.78
TRIB1	1	12049.*	363.82	408.35	410.05	409.99	410.49	0.014287	5.78	76.66	78.91	0.84
TRIB1	1	12001.*	366.28	407.57	409.36	409.31	409.85	0.014769	5.90	72.32	70.85	0.85
TRIB1	1	11953.*	368.71	406.78	408.64	408.60	409.16	0.015646	6.02	68.50	64.81	0.87
TRIB1	1	11905	371.11	405.99	408.07		408.49	0.010997	5.36	76.32	64.99	0.74
TRIB1	1	11855.*	373.63	405.57	407.55		407.96	0.011241	5.37	78.53	69.28	0.75
TRIB1	1	11805.*	375.89	405.15	407.02		407.42	0.011526	5.36	81.23	74.91	0.76
TRIB1	1	11755.*	378.60	404.74	406.48		406.86	0.011710	5.31	84.81	81.61	0.76
TRIB1	1	11705.*	381.27	404.32	405.91		406.27	0.012408	5.31	87.53	88.63	0.78
TRIB1	1	11655	383.84	403.90	405.51		405.75	0.007746	4.40	110.53	105.99	0.62
TRIB1	1	11608.9*	386.13	403.47	405.10		405.37	0.008928	4.73	101.61	96.95	0.67
TRIB1	1	11562.9*	388.18	403.03	404.65		404.95	0.009803	4.90	98.20	95.09	0.70
TRIB1	1	11516.9*	390.69	402.60	404.21		404.50	0.009946	4.89	100.53	101.46	0.70
TRIB1	1	11470.9*	393.16	402.16	403.62		403.98	0.014213	5.41	93.44	110.76	0.82
TRIB1	1	11424.96	395.51	401.73	403.31		403.44	0.005721	3.61	155.75	184.18	0.53
TRIB1	1	11378.9*	397.23	401.36	403.01		403.18	0.006509	3.99	142.05	173.62	0.57
TRIB1	1	11332.9*	399.69	400.99	402.63		402.86	0.008106	4.46	121.35	143.28	0.63
TRIB1	1	11286.9*	402.09	400.61	402.23		402.48	0.008394	4.51	110.07	103.65	0.64
TRIB1	1	11240.9*	404.51	400.24	401.81		402.08	0.009086	4.63	106.01	98.92	0.67

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	11195	406.88	399.87	401.31		401.61	0.011549	4.93	99.98	101.27	0.74
TRIB1	1	11153.3*	409.19	399.24	400.68		401.08	0.014732	5.65	91.43	99.90	0.84
TRIB1	1	11111.6*	411.39	398.60	400.07	400.11	400.43	0.014874	5.77	105.17	151.92	0.85
TRIB1	1	11070	412.79	397.97	399.87		399.94	0.002369	2.76	216.83	185.26	0.35
TRIB1	1	11023.7*	415.25	397.46	399.48		399.82	0.008782	5.30	103.57	101.94	0.68
TRIB1	1	10977.5*	417.70	396.96	398.99		399.39	0.010157	5.48	90.53	74.94	0.73
TRIB1	1	10931.2*	420.14	396.45	398.51		398.93	0.010590	5.41	88.13	72.60	0.73
TRIB1	1	10884.9*	422.57	395.95	398.04		398.46	0.010911	5.29	87.56	73.38	0.74
TRIB1	1	10838.7*	424.97	395.44	397.59		397.98	0.010932	5.13	88.43	74.63	0.73
TRIB1	1	10792.4*	427.12	394.93	397.13		397.51	0.010937	4.98	89.61	76.05	0.73
TRIB1	1	10746.2*	428.44	394.43	396.72		397.06	0.009847	4.67	94.21	78.25	0.69
TRIB1	1	10699.98	428.99	393.92	396.46		396.70	0.006418	3.98	110.64	85.26	0.56
TRIB1	1	10655.9*	429.32	393.56	396.28		396.47	0.004287	3.53	128.80	98.48	0.47
TRIB1	1	10611.9*	429.37	393.20	396.19		396.32	0.002413	2.94	166.46	132.56	0.36
TRIB1	1	10567.9*	432.48	392.84	396.16		396.23	0.001209	2.31	239.59	196.18	0.26
TRIB1	1	10524.*	435.52	392.48	396.15		396.18	0.000522	1.67	351.50	224.72	0.18
TRIB1	1	10480	438.53	392.12	396.14		396.16	0.000243	1.24	476.92	243.22	0.12
TRIB1	1	10436.0*	438.34	391.44	396.14		396.15	0.000137	1.05	567.49	240.30	0.10
TRIB1	1	10392.0*	438.15	390.77	396.14		396.15	0.000086	0.92	653.95	238.89	0.08
TRIB1	1	10348.0*	437.96	390.09	396.14		396.14	0.000058	0.83	737.08	238.95	0.07
TRIB1	1	10304.0*	437.72	389.42	396.14		396.14	0.000042	0.76	846.43	301.10	0.06
TRIB1	1	10260.08	437.40	388.74	396.13		396.14	0.000035	0.74	923.52	417.20	0.05
TRIB1	1	10200	Culvert									
TRIB1	1	10160	436.95	388.21	391.71		391.86	0.003257	3.73	161.20	115.82	0.43
TRIB1	1	10111.6*	436.75	387.62	391.29		391.71	0.007581	5.75	103.99	98.02	0.65
TRIB1	1	10063.3*	436.47	387.02	390.84	390.59	391.44	0.009620	6.48	82.45	77.94	0.73
TRIB1	1	10015	435.54	386.43	390.59		390.96	0.005856	5.33	106.97	91.27	0.58
TRIB1	1	9966.25*	435.40	385.96	390.11		390.64	0.008257	6.04	81.06	51.94	0.68
TRIB1	1	9917.5*	435.25	385.49	389.70		390.27	0.009318	6.18	76.81	53.14	0.71
TRIB1	1	9868.75*	434.73	385.02	389.31	389.00	389.76	0.008347	5.65	96.94	99.37	0.67
TRIB1	1	9820	437.15	384.55	389.14		389.25	0.002738	3.30	202.08	190.76	0.38
TRIB1	1	9777.*	438.11	384.19	388.61		389.15	0.009211	6.00	78.09	49.72	0.70
TRIB1	1	9734.*	439.87	383.83	388.21		388.78	0.009160	6.10	76.20	42.95	0.71
TRIB1	1	9691.*	441.67	383.47	387.84		388.41	0.009054	6.17	76.89	44.50	0.70
TRIB1	1	9648.*	443.44	383.11	387.47		388.04	0.009150	6.23	79.08	49.91	0.71
TRIB1	1	9605	444.30	382.75	387.20		387.68	0.007815	5.87	92.13	68.56	0.65
TRIB1	1	9555.*	446.71	382.73	386.80		387.31	0.007825	5.97	88.32	60.70	0.66
TRIB1	1	9505.*	449.08	382.71	386.39		386.93	0.008113	6.10	85.39	55.94	0.68
TRIB1	1	9455	450.79	382.69	386.12		386.55	0.006422	5.59	100.35	74.07	0.61
TRIB1	1	9407.5*	453.11	382.36	385.79		386.24	0.006754	5.77	98.69	73.00	0.63
TRIB1	1	9360.*	455.39	382.02	385.46		385.93	0.007139	5.95	96.78	71.06	0.65
TRIB1	1	9312.5*	457.11	381.69	385.13		385.61	0.007333	6.07	96.08	69.34	0.65
TRIB1	1	9265	459.54	381.36	384.77		385.28	0.007791	6.26	94.05	66.13	0.67
TRIB1	1	9220.*	461.82	380.81	384.39		384.96	0.008127	6.48	88.01	57.68	0.69
TRIB1	1	9175.*	464.08	380.26	384.01		384.62	0.008278	6.62	85.19	54.17	0.70
TRIB1	1	9130.*	466.32	379.70	383.63		384.26	0.008338	6.70	83.74	52.12	0.70
TRIB1	1	9085.*	468.57	379.15	383.25		383.89	0.008362	6.76	83.04	51.06	0.70
TRIB1	1	9040.*	470.82	378.60	382.83		383.50	0.008670	6.88	81.69	50.03	0.71
TRIB1	1	8995.*	472.92	378.04	382.45		383.12	0.008583	6.88	82.30	50.20	0.71
TRIB1	1	8950.*	475.26	377.49	382.10		382.74	0.008175	6.78	84.64	51.15	0.69
TRIB1	1	8905	477.57	376.94	381.83		382.39	0.006927	6.40	91.91	54.15	0.64
TRIB1	1	8862.5*	479.69	376.91	381.60		382.10	0.006380	6.03	96.14	57.20	0.61
TRIB1	1	8820.*	481.35	376.88	381.38		381.84	0.005978	5.72	100.16	60.32	0.59
TRIB1	1	8777.5*	483.57	376.85	381.17		381.59	0.005692	5.46	104.01	63.37	0.58
TRIB1	1	8735.*	485.76	376.81	380.95		381.35	0.005550	5.26	107.14	66.12	0.57
TRIB1	1	8692.5*	487.94	376.78	380.73		381.12	0.005633	5.15	108.70	68.15	0.57
TRIB1	1	8650	490.08	376.75	380.47		380.86	0.006171	5.16	107.01	67.74	0.59
TRIB1	1	8606.66*	492.30	376.40	380.20		380.61	0.006477	5.38	106.18	70.40	0.61
TRIB1	1	8563.33*	494.51	376.05	379.89		380.34	0.007278	5.72	103.13	71.79	0.64
TRIB1	1	8520	496.72	375.70	379.46		380.05	0.010083	6.53	92.08	68.45	0.75
TRIB1	1	8471.42*	498.96	375.41	379.02		379.58	0.009664	6.29	93.54	68.16	0.73
TRIB1	1	8422.85*	501.42	375.12	378.56		379.11	0.009691	6.14	93.71	67.07	0.73
TRIB1	1	8374.28*	503.86	374.83	378.11		378.64	0.009916	6.04	93.79	66.59	0.73
TRIB1	1	8325.71*	506.29	374.54	377.68		378.18	0.009729	5.86	95.83	67.38	0.72
TRIB1	1	8277.14*	508.70	374.25	377.26		377.73	0.009509	5.68	98.56	69.16	0.71
TRIB1	1	8228.57*	511.10	373.96	376.85		377.29	0.009157	5.48	102.26	72.03	0.70
TRIB1	1	8180	513.53	373.67	376.47		376.87	0.008473	5.22	108.21	76.90	0.67
TRIB1	1	8139.*	532.82	372.96	376.06		376.51	0.009187	5.46	105.13	72.15	0.70
TRIB1	1	8098.*	535.03	372.25	375.74		376.16	0.008381	5.32	107.43	71.73	0.67
TRIB1	1	8057.*	537.07	371.53	375.44		375.84	0.007700	5.18	110.21	73.24	0.64
TRIB1	1	8016.*	539.42	370.82	375.10		375.52	0.007958	5.23	108.95	75.04	0.65
TRIB1	1	7975	541.69	370.11	374.82		375.24	0.007869	5.19	111.54	99.46	0.64
TRIB1	1	7926.42*	544.14	369.89	374.46		374.88	0.007178	5.23	109.76	67.71	0.62
TRIB1	1	7877.85*	546.60	369.67	374.13		374.55	0.006466	5.26	110.69	61.63	0.60
TRIB1	1	7829.28*	548.76	369.45	373.83		374.25	0.005872	5.31	111.76	57.57	0.58

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	7780.71*	551.34	369.22	373.55		373.98	0.005429	5.40	112.84	54.92	0.57
TRIB1	1	7732.14*	553.89	369.00	373.29		373.72	0.005202	5.55	113.85	54.20	0.56
TRIB1	1	7683.57*	556.42	368.78	373.08		373.49	0.004714	5.57	121.88	60.58	0.54
TRIB1	1	7635	558.92	368.56	372.99		373.29	0.003440	5.07	151.64	79.94	0.47
TRIB1	1	7585.*	561.50	368.34	372.77		373.12	0.004059	5.43	139.58	73.10	0.51
TRIB1	1	7535.*	564.10	368.13	372.50		372.92	0.004898	5.85	129.04	68.59	0.56
TRIB1	1	7485.*	560.91	367.91	372.17		372.65	0.006183	6.33	118.41	67.11	0.62
TRIB1	1	7435.*	563.52	367.70	371.75		372.36	0.008880	7.17	109.85	77.17	0.73
TRIB1	1	7385	561.27	367.48	371.39		371.86	0.008391	6.65	131.09	111.63	0.70
TRIB1	1	7335.83*	579.00	366.81	370.72	370.58	371.57	0.012991	8.21	93.90	68.84	0.87
TRIB1	1	7286.66*	580.09	366.14	370.07	370.11	371.02	0.013549	8.36	85.22	55.01	0.89
TRIB1	1	7237.5*	580.05	365.48	369.40	369.44	370.39	0.013769	8.36	81.41	49.82	0.89
TRIB1	1	7188.33*	582.73	364.81	368.72	368.71	369.72	0.013748	8.27	79.94	46.80	0.89
TRIB1	1	7139.16*	584.91	364.14	368.07	367.94	369.01	0.012866	7.98	81.40	45.34	0.86
TRIB1	1	7090	548.99	363.47	367.52		368.22	0.009170	6.89	88.19	47.03	0.73
TRIB1	1	7044.28*	523.98	363.10	367.20		367.72	0.006650	5.92	97.36	50.80	0.63
TRIB1	1	6998.57*	512.27	362.73	367.11		367.45	0.003821	4.77	120.23	60.16	0.48
TRIB1	1	6952.85*	512.22	362.36	367.08		367.30	0.002224	3.90	150.55	70.74	0.37
TRIB1	1	6907.14*	512.15	361.99	367.06		367.21	0.001318	3.20	188.55	84.39	0.29
TRIB1	1	6861.42*	512.04	361.62	367.06		367.16	0.000774	2.61	239.71	101.93	0.23
TRIB1	1	6815.71*	511.92	361.25	367.07		367.12	0.000444	2.09	313.84	128.43	0.18
TRIB1	1	6770	511.80	360.88	367.07		367.10	0.000236	1.61	420.88	152.52	0.13
TRIB1	1	6728.*	532.67	360.45	367.07		367.09	0.000183	1.51	492.32	176.46	0.12
TRIB1	1	6686.*	532.51	360.01	367.07		367.08	0.000123	1.31	611.39	223.14	0.10
TRIB1	1	6644.*	532.31	359.58	367.07		367.08	0.000070	1.04	809.69	268.91	0.07
TRIB1	1	6602.*	532.08	359.14	367.07		367.08	0.000035	0.77	1134.97	345.49	0.05
TRIB1	1	6560	531.79	358.71	367.07		367.07	0.000014	0.52	1597.97	393.20	0.03
TRIB1	1	6520.*	531.49	358.04	367.07		367.07	0.000024	0.69	1289.27	376.41	0.04
TRIB1	1	6480.*	531.19	357.36	367.07		367.07	0.000029	0.77	1176.72	391.62	0.05
TRIB1	1	6440	530.86	356.69	367.07		367.07	0.000018	0.63	1410.27	425.79	0.04
TRIB1	1	6400	Culvert									
TRIB1	1	6360.01	530.86	355.71	361.62		362.07	0.004781	5.46	106.13	53.16	0.51
TRIB1	1	6312.50*	530.65	356.17	361.29		361.84	0.006365	6.08	99.26	57.06	0.60
TRIB1	1	6265	530.44	356.64	361.01		361.55	0.006593	6.17	102.01	61.34	0.62
TRIB1	1	6217.5*	529.69	356.10	360.71		361.25	0.006512	6.15	104.67	70.74	0.62
TRIB1	1	6170.*	529.58	355.55	360.49		361.00	0.005862	5.95	110.64	81.28	0.58
TRIB1	1	6122.5*	529.43	355.01	360.27		360.74	0.005338	5.79	115.07	91.30	0.56
TRIB1	1	6075	529.32	354.47	359.97		360.47	0.005348	5.84	111.41	96.60	0.55
TRIB1	1	6036.25*	529.67	354.59	359.82		360.28	0.004964	5.70	115.78	82.78	0.54
TRIB1	1	5997.5*	529.94	354.71	359.67		360.10	0.004653	5.58	119.35	75.30	0.53
TRIB1	1	5958.75*	530.25	354.83	359.52		359.92	0.004337	5.45	123.15	70.97	0.51
TRIB1	1	5920	530.58	354.95	359.39		359.75	0.003962	5.28	128.67	69.51	0.49
TRIB1	1	5871.25*	530.80	354.76	359.03		359.54	0.005772	6.16	108.31	62.46	0.59
TRIB1	1	5822.5*	531.45	354.57	358.54	358.37	359.26	0.009088	7.28	91.77	59.08	0.74
TRIB1	1	5773.75*	532.09	354.37	358.06	358.07	358.79	0.011473	7.67	93.25	68.26	0.81
TRIB1	1	5725	532.69	354.18	358.01		358.16	0.002841	3.96	186.73	102.95	0.41
TRIB1	1	5685.*	533.17	353.76	357.85		358.05	0.003292	4.55	170.65	97.90	0.44
TRIB1	1	5645.*	533.67	353.33	357.65		357.93	0.003731	5.12	154.04	90.58	0.48
TRIB1	1	5605	533.42	352.91	357.49		357.79	0.003360	5.13	146.49	74.34	0.46
TRIB1	1	5562.*	577.13	352.79	357.15		357.59	0.005027	6.08	126.77	62.04	0.56
TRIB1	1	5519.*	577.67	352.66	356.83		357.38	0.006418	6.65	114.44	61.08	0.63
TRIB1	1	5476.*	578.22	352.54	356.37	356.21	357.11	0.009482	7.58	99.82	62.76	0.76
TRIB1	1	5433.*	578.73	352.41	356.12	356.08	356.73	0.008880	7.15	118.75	102.48	0.73
TRIB1	1	5390	579.11	352.29	356.12		356.29	0.002881	4.19	212.51	136.37	0.42
TRIB1	1	5343.*	579.53	351.81	355.48	355.35	356.22	0.010216	7.53	98.09	60.05	0.78
TRIB1	1	5296.*	580.02	351.33	354.99	354.91	355.79	0.011196	7.75	93.57	58.06	0.81
TRIB1	1	5249.*	580.37	350.84	354.55	354.49	355.32	0.010949	7.62	96.14	62.50	0.80
TRIB1	1	5202.*	580.92	350.36	354.25		354.85	0.008358	6.82	110.21	69.85	0.71
TRIB1	1	5155	581.46	349.88	354.15		354.50	0.004628	5.42	142.88	79.40	0.53
TRIB1	1	5108.75*	582.08	349.74	353.91		354.28	0.004974	5.63	138.34	74.47	0.55
TRIB1	1	5062.5*	582.71	349.60	353.66		354.05	0.005435	5.88	133.30	69.80	0.58
TRIB1	1	5016.25*	583.33	349.45	353.37		353.78	0.006133	6.17	127.20	65.51	0.61
TRIB1	1	4970	583.95	349.31	352.96		353.45	0.008075	6.80	114.88	60.55	0.70
TRIB1	1	4926.66*	584.45	348.97	352.57		353.13	0.008263	7.17	110.75	57.97	0.71
TRIB1	1	4883.33*	584.94	348.63	352.16		352.79	0.008446	7.48	106.06	54.63	0.73
TRIB1	1	4840	585.43	348.29	351.85		352.46	0.007269	7.28	109.07	53.53	0.69
TRIB1	1	4798.*	585.91	347.89	351.51		352.15	0.007759	7.43	105.50	51.96	0.71
TRIB1	1	4756.*	586.31	347.49	351.16		351.84	0.008176	7.56	102.41	50.53	0.72
TRIB1	1	4714.*	586.85	347.08	350.80		351.51	0.008424	7.63	100.05	49.02	0.73
TRIB1	1	4672.*	587.39	346.68	350.44		351.17	0.008491	7.66	98.58	47.94	0.73
TRIB1	1	4630	587.93	346.28	350.12		350.83	0.008128	7.55	99.03	47.35	0.72
TRIB1	1	4582.*	588.53	345.93	349.73		350.45	0.008356	7.50	98.45	47.84	0.72
TRIB1	1	4534.*	589.12	345.58	349.33		350.06	0.008614	7.47	97.58	47.87	0.73
TRIB1	1	4486.*	589.70	345.22	348.91		349.65	0.008973	7.47	96.35	48.11	0.74
TRIB1	1	4438.*	590.28	344.87	348.32	348.23	349.21	0.011605	8.04	87.46	46.76	0.84

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	4390	590.86	344.52	347.69	347.81	348.80	0.016161	8.87	76.92	44.59	0.97
TRIB1	1	4341.25*	591.38	343.85	347.04	347.00	347.93	0.012991	8.02	86.63	49.73	0.87
TRIB1	1	4292.5*	591.61	343.17	346.83		347.28	0.005650	5.88	121.98	59.21	0.59
TRIB1	1	4243.75*	592.11	342.50	346.86		347.06	0.002040	4.05	181.60	71.72	0.37
TRIB1	1	4195	592.60	341.83	346.87		346.98	0.000868	2.95	252.91	84.71	0.25
TRIB1	1	4147.5*	593.22	341.48	346.79		346.93	0.001180	3.38	219.74	75.19	0.29
TRIB1	1	4100.*	593.84	341.12	346.68		346.87	0.001612	3.87	193.80	70.40	0.33
TRIB1	1	4052.5*	594.44	340.77	346.53		346.79	0.002344	4.51	168.83	69.51	0.39
TRIB1	1	4005	595.04	340.42	346.26		346.67	0.004072	5.56	136.80	69.15	0.49
TRIB1	1	3955.*	595.59	340.99	345.99		346.47	0.005324	5.99	126.01	71.94	0.57
TRIB1	1	3905	596.15	341.56	345.55	345.37	346.24	0.009468	7.07	104.02	69.78	0.75
TRIB1	1	3856.25*	596.08	341.04	345.11		345.82	0.009024	7.27	99.92	55.35	0.74
TRIB1	1	3807.5*	596.04	340.52	344.72		345.42	0.008024	7.29	101.55	50.19	0.71
TRIB1	1	3758.75*	595.47	340.01	344.45		345.05	0.006376	7.02	110.38	50.24	0.64
TRIB1	1	3710	595.46	339.49	344.40		344.78	0.003745	5.98	141.80	59.90	0.51
TRIB1	1	3666.*	589.51	339.15	344.30		344.58	0.002498	4.81	159.95	66.15	0.41
TRIB1	1	3622.*	589.39	338.82	344.24		344.46	0.001734	3.98	181.58	73.94	0.34
TRIB1	1	3578.	589.26	338.48	344.21		344.37	0.001232	3.35	206.30	84.30	0.29
TRIB1	2	3534.	986.84	338.15	343.53		344.19	0.004766	7.31	184.57	77.43	0.58
TRIB1	2	3490	986.82	337.81	343.55		343.98	0.002870	5.98	234.48	113.31	0.46
TRIB1	2	3440.71*	986.80	337.54	343.29		343.85	0.003732	6.73	197.79	76.73	0.52
TRIB1	2	3391.42*	986.78	337.27	343.08		343.68	0.004080	6.99	193.02	75.65	0.54
TRIB1	2	3342.14*	986.77	337.00	342.89		343.48	0.004198	7.07	196.04	78.27	0.55
TRIB1	2	3292.85*	986.76	336.72	342.74		343.28	0.004062	6.96	206.20	83.98	0.54
TRIB1	2	3243.57*	986.74	336.45	342.62		343.09	0.003679	6.66	223.05	90.87	0.51
TRIB1	2	3194.28*	986.73	336.18	342.53		342.89	0.003010	6.07	244.16	90.51	0.46
TRIB1	2	3145	986.73	335.91	342.46		342.74	0.002440	5.50	267.22	91.56	0.41
TRIB1	2	3098.12*	988.17	335.85	342.19		342.64	0.003592	6.56	217.54	78.77	0.50
TRIB1	2	3051.25*	989.51	335.78	341.89		342.48	0.004434	7.11	189.59	67.64	0.56
TRIB1	2	3004.37*	990.97	335.72	341.60		342.27	0.005097	7.41	174.17	62.15	0.60
TRIB1	2	2957.5*	992.44	335.65	341.31		342.02	0.005501	7.47	167.07	59.61	0.62
TRIB1	2	2910.62*	993.80	335.59	341.05		341.75	0.005597	7.33	167.03	59.99	0.62
TRIB1	2	2863.75*	995.27	335.53	340.87		341.49	0.005152	6.92	176.14	63.24	0.59
TRIB1	2	2816.87*	996.74	335.46	340.75		341.26	0.004374	6.33	199.24	77.33	0.54
TRIB1	2	2770	998.21	335.40	340.75		341.06	0.002804	5.12	257.73	100.69	0.44
TRIB1	2	2728.75*	999.49	335.17	340.36		340.94	0.005134	6.72	186.97	74.87	0.59
TRIB1	2	2687.5*	1000.37	334.95	339.77		340.75	0.009542	8.59	144.05	64.84	0.79
TRIB1	2	2646.25*	984.46	334.72	339.24	339.38	340.40	0.013375	9.57	132.85	70.21	0.91
TRIB1	2	2605	1003.70	334.49	339.00		339.49	0.007034	6.89	196.55	92.37	0.66
TRIB1	2	2558.75*	1005.12	334.13	338.64		339.17	0.007255	7.01	194.76	96.01	0.67
TRIB1	2	2512.5*	1006.54	333.78	338.26		338.83	0.007629	7.16	190.67	98.50	0.69
TRIB1	2	2466.25*	1007.96	333.42	337.85		338.48	0.008166	7.33	184.78	100.34	0.71
TRIB1	2	2420.*	1009.38	333.07	337.43		338.12	0.008724	7.46	178.66	101.34	0.74
TRIB1	2	2373.75*	1010.80	332.71	336.98	336.93	337.74	0.009588	7.66	171.11	103.55	0.77
TRIB1	2	2327.5*	1012.22	332.35	336.52	336.54	337.35	0.010547	7.84	163.50	106.84	0.80
TRIB1	2	2281.25*	1013.63	332.00	336.12	335.84	336.94	0.010520	7.73	167.46	128.52	0.80
TRIB1	2	2235	1015.03	331.64	335.97		336.38	0.005319	5.74	233.76	150.62	0.57
TRIB1	2	2190.*	1014.98	331.44	335.72		336.16	0.005581	5.96	233.72	154.48	0.59
TRIB1	2	2145.*	1014.92	331.23	335.45		335.94	0.006123	6.29	224.10	156.04	0.62
TRIB1	2	2100.*	1014.75	331.03	335.16		335.70	0.006543	6.53	212.10	144.53	0.64
TRIB1	2	2055.*	1014.72	330.82	334.89		335.41	0.006353	6.48	208.58	128.70	0.63
TRIB1	2	2010.*	1014.70	330.61	334.67		335.15	0.005682	6.25	216.36	117.61	0.60
TRIB1	2	1965	1014.66	330.41	334.50		334.90	0.004664	5.82	230.91	112.23	0.55
TRIB1	2	1915.*	1015.00	330.01	334.22		334.68	0.005254	6.19	221.63	118.42	0.58
TRIB1	2	1865.*	1015.21	329.60	333.92		334.44	0.005875	6.54	214.66	127.63	0.62
TRIB1	2	1815	1015.56	329.20	333.59		334.15	0.006292	6.76	207.86	126.46	0.64
TRIB1	2	1770.*	1015.85	328.71	333.40		333.90	0.005326	6.59	224.06	129.53	0.59
TRIB1	2	1725.*	1016.12	328.22	333.24		333.70	0.004711	6.56	236.21	130.32	0.57
TRIB1	2	1680.*	1016.39	327.72	333.02		333.51	0.004854	6.95	231.34	122.90	0.58
TRIB1	2	1635	1016.66	327.23	332.52	332.54	333.39	0.008761	9.30	184.74	115.75	0.77
TRIB1	2	1595.*	1016.96	326.85	332.04	332.35	333.25	0.011004	10.25	156.50	106.00	0.86
TRIB1	2	1555.*	1017.26	326.47	331.61	331.56	332.83	0.010425	9.90	143.47	74.57	0.84
TRIB1	2	1515.*	1017.58	326.08	331.21	331.12	332.35	0.009477	9.40	143.16	67.96	0.80
TRIB1	2	1500	Lat Struct									
TRIB1	2	1475	1017.90	325.70	330.94		331.91	0.007577	8.55	153.12	67.67	0.72
TRIB1	2	1435.00*	1018.16	325.97	330.71		331.59	0.007552	8.04	156.64	72.70	0.71
TRIB1	2	1395.01	1018.43	326.24	330.53		331.26	0.006220	7.17	170.45	80.14	0.64
TRIB1	2	1347.50*	1018.75	326.33	330.37		330.97	0.006319	6.84	195.59	106.52	0.64
TRIB1	2	1300	1019.05	326.43	330.34		330.67	0.004308	5.46	257.28	132.87	0.52
TRIB1	2	1263.33*	1019.02	326.11	329.93		330.56	0.008867	7.63	198.80	131.84	0.74
TRIB1	2	1226.66*	1018.94	325.79	329.50	329.82	330.63	0.018082	10.50	155.92	130.98	1.05
TRIB1	2	1190	1018.83	325.47	328.92	328.92	329.55	0.016599	9.11	179.50	127.57	0.95
ALDER	1	17980	226.80	344.61	348.30		348.57	0.004670	4.30	60.16	47.81	0.50
ALDER	1	17934.1*	226.79	344.54	348.07		348.36	0.005075	4.43	58.35	44.37	0.52
ALDER	1	17888.3*	226.79	344.46	347.84		348.14	0.005559	4.58	56.94	44.45	0.55

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17842.5*	226.78	344.39	347.60		347.92	0.005999	4.69	56.38	45.35	0.57
ALDER	1	17796.6*	226.78	344.32	347.37		347.69	0.006312	4.75	56.98	47.61	0.58
ALDER	1	17750.8*	226.77	344.24	347.15		347.45	0.006305	4.70	59.51	51.78	0.58
ALDER	1	17705	226.77	344.17	346.95		347.21	0.005705	4.46	65.03	56.42	0.55
ALDER	1	17663.7*	227.78	343.76	346.64		346.99	0.007134	5.12	55.33	45.30	0.62
ALDER	1	17622.5*	228.79	343.35	346.32		346.75	0.008530	5.71	50.78	43.11	0.68
ALDER	1	17581.2*	229.80	342.93	346.04	345.87	346.55	0.009981	6.32	52.83	71.09	0.74
ALDER	1	17540	230.82	342.52	345.85		346.13	0.006438	5.27	72.35	79.66	0.59
ALDER	1	17490.4*	231.95	342.38	345.60		345.88	0.006413	5.21	72.28	77.07	0.59
ALDER	1	17440.9*	233.09	342.24	345.35		345.62	0.006293	5.12	72.76	74.90	0.59
ALDER	1	17391.3*	234.21	342.11	345.11		345.36	0.006144	5.01	73.39	72.81	0.58
ALDER	1	17341.8*	235.36	341.97	344.88		345.11	0.005913	4.88	74.46	70.97	0.57
ALDER	1	17292.2*	236.49	341.83	344.64		344.87	0.005712	4.76	75.44	69.35	0.56
ALDER	1	17242.7*	237.64	341.69	344.40		344.62	0.005559	4.65	76.37	68.15	0.55
ALDER	1	17193.1*	238.78	341.55	344.15		344.36	0.005619	4.60	76.32	67.03	0.55
ALDER	1	17143.6*	239.92	341.41	343.86		344.08	0.006084	4.67	74.54	65.88	0.57
ALDER	1	17094.0*	241.04	341.28	343.58		343.81	0.006523	4.71	73.43	65.61	0.59
ALDER	1	17044.5*	242.22	341.14	343.31		343.53	0.006771	4.68	73.73	67.01	0.60
ALDER	1	16995	243.35	341.00	343.05		343.26	0.006567	4.52	76.73	71.15	0.59
ALDER	1	16950.8*	244.43	340.58	342.81		343.02	0.006535	4.54	79.65	80.56	0.59
ALDER	1	16906.6*	245.52	340.17	342.55		342.76	0.006523	4.53	81.60	87.45	0.58
ALDER	1	16862.5*	246.61	339.76	342.23		342.46	0.007460	4.72	77.96	89.36	0.62
ALDER	1	16818.3*	247.70	339.34	341.88		342.12	0.008261	4.78	73.32	79.56	0.64
ALDER	1	16774.1*	248.77	338.93	341.53		341.77	0.008536	4.68	71.21	73.83	0.65
ALDER	1	16730	249.88	338.51	341.16		341.41	0.009320	4.64	67.55	67.47	0.66
ALDER	1	16684.2*	250.96	338.02	340.76		341.04	0.009973	4.91	65.09	65.85	0.69
ALDER	1	16638.5*	252.05	337.54	340.36		340.67	0.010394	5.12	63.02	64.87	0.71
ALDER	1	16592.8*	253.14	337.05	339.93		340.31	0.011304	5.39	59.55	64.36	0.74
ALDER	1	16547.1*	254.22	336.57	339.49	339.48	339.94	0.012334	5.66	55.23	64.01	0.78
ALDER	1	16501.4*	255.32	336.08	339.06	339.03	339.54	0.012497	5.73	51.72	61.11	0.78
ALDER	1	16455.7*	256.42	335.60	338.65	338.43	339.11	0.011401	5.55	50.78	54.35	0.75
ALDER	1	16410	257.50	335.11	338.29		338.68	0.008838	5.07	54.57	49.48	0.67
ALDER	1	16364.1*	258.63	334.74	337.94		338.35	0.008816	5.15	54.75	50.88	0.67
ALDER	1	16318.3*	259.76	334.37	337.59		338.01	0.008775	5.23	55.20	52.63	0.67
ALDER	1	16272.5*	260.87	334.01	337.25		337.67	0.008685	5.30	55.94	54.68	0.67
ALDER	1	16226.6*	262.01	333.64	336.91		337.33	0.008372	5.32	57.71	57.48	0.66
ALDER	1	16180.8*	263.12	333.27	336.60		336.99	0.007602	5.22	60.75	56.61	0.64
ALDER	1	16135	264.27	332.90	336.32		336.66	0.006481	5.01	65.26	55.11	0.59
ALDER	1	16089.*	265.38	332.83	335.99	335.65	336.43	0.008393	5.61	59.48	61.30	0.67
ALDER	1	16043.*	266.52	332.75	335.70	335.48	336.20	0.009816	6.03	58.40	74.25	0.73
ALDER	1	15997.*	267.67	332.68	335.33	335.28	335.76	0.010037	5.91	61.85	63.93	0.73
ALDER	1	15951.*	268.78	332.60	334.95		335.30	0.009697	5.59	67.07	64.57	0.71
ALDER	1	15905	269.94	332.53	334.75		334.94	0.005643	4.35	84.78	67.59	0.55
ALDER	1	15856.*	271.20	331.89	334.37		334.65	0.007517	5.09	76.17	69.25	0.63
ALDER	1	15807.*	272.48	331.25	333.92	333.97	334.36	0.011752	6.26	66.83	90.65	0.79
ALDER	1	15758.*	273.74	330.62	333.42	333.62	334.02	0.016243	7.13	59.32	96.17	0.91
ALDER	1	15709.*	275.00	329.98	332.77	332.99	333.51	0.023619	7.82	47.27	64.08	1.06
ALDER	1	15660	276.28	329.34	332.11		332.43	0.015792	5.71	69.46	94.23	0.84
ALDER	1	15611.2*	277.53	328.45	331.50	331.79	332.28	0.022920	7.90	49.06	75.03	1.05
ALDER	1	15562.5*	278.12	327.57	330.71	331.18	331.91	0.025876	8.86	34.70	71.24	1.14
ALDER	1	15513.7*	276.72	326.68	329.94	330.15	330.74	0.015954	7.38	45.25	56.73	0.91
ALDER	1	15465	276.26	325.80	329.52		329.79	0.004727	4.66	82.84	75.60	0.51
ALDER	1	15426.2*	276.79	325.47	329.38		329.65	0.003919	4.54	84.76	73.19	0.48
ALDER	1	15387.5*	277.77	325.14	329.31		329.50	0.002613	3.99	99.22	73.47	0.40
ALDER	1	15348.7*	279.11	324.82	329.26		329.40	0.001688	3.44	114.73	66.84	0.32
ALDER	1	15310	280.46	324.49	329.23		329.34	0.001193	3.08	126.82	61.37	0.28
ALDER	1	15263.3*	280.83	324.57	329.16		329.28	0.001434	3.22	121.50	65.49	0.30
ALDER	1	15216.6*	281.52	324.65	329.10		329.21	0.001540	3.15	128.98	81.46	0.31
ALDER	1	15170	282.21	324.73	329.10		329.14	0.000642	1.94	202.88	107.07	0.19
ALDER	1	15125.*	282.19	324.30	329.09		329.11	0.000404	1.71	239.99	116.24	0.16
ALDER	1	15080.	282.17	323.87	329.08		329.10	0.000242	1.45	285.92	125.77	0.13
ALDER	2a	15035.	1300.64	323.45	328.61		328.97	0.004173	6.07	290.55	122.21	0.53
ALDER	2a	14990.*	1300.59	323.02	328.61		328.81	0.002062	4.52	386.08	149.65	0.38
ALDER	2a	14945	1300.54	322.59	328.64		328.73	0.000792	2.97	563.27	175.41	0.24
ALDER	2a	14899.1*	1300.49	322.52	328.50		328.69	0.001795	4.40	415.42	166.14	0.35
ALDER	2a	14853.3*	1300.45	322.44	328.22		328.61	0.003540	5.97	300.94	134.65	0.49
ALDER	2a	14807.5*	1300.42	322.36	327.79		328.43	0.005859	7.24	229.42	107.06	0.63
ALDER	2a	14761.6*	1300.41	322.29	327.23		328.19	0.009526	8.47	179.47	77.89	0.78
ALDER	2a	14715.8*	1299.32	322.22	327.20		327.65	0.005210	6.31	303.16	215.07	0.58
ALDER	2a	14670	1299.30	322.14	327.30		327.39	0.001026	2.89	589.35	250.36	0.26
ALDER	2a	14623.*	1358.92	322.14	327.22		327.32	0.001381	3.13	559.89	260.40	0.30
ALDER	2a	14576.*	1358.88	322.15	327.14		327.25	0.001651	3.17	536.27	267.00	0.32
ALDER	2a	14529.*	1358.85	322.15	327.05		327.16	0.001984	3.18	513.48	273.66	0.34
ALDER	2a	14482.*	1358.81	322.16	326.93		327.05	0.002468	3.18	488.40	275.81	0.37
ALDER	2a	14435	1358.76	322.16	326.78		326.91	0.003236	3.26	458.28	279.64	0.41

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14385.*	1358.65	322.17	326.51		326.72	0.005849	4.28	380.44	284.87	0.55
ALDER	2a	14335.*	1358.67	322.19	326.11		326.40	0.008128	4.87	318.76	235.49	0.65
ALDER	2a	14285.*	1358.63	322.21	325.78		326.06	0.006603	4.38	324.90	220.19	0.58
ALDER	2a	14235	1358.62	322.22	325.58		325.81	0.004418	3.74	361.67	216.14	0.48
ALDER	2a	14192.*	1358.60	321.32	325.18	325.31	326.06	0.014422	7.92	201.38	148.24	0.90
ALDER	2a	14149.*	1358.58	320.42	324.61	324.64	325.59	0.013024	8.22	187.47	117.81	0.88
ALDER	2a	14106.*	1358.56	319.52	324.11	323.95	325.08	0.010587	8.16	189.33	105.94	0.81
ALDER	2a	14063.*	1358.53	318.62	323.71	323.39	324.66	0.008475	8.10	197.13	111.80	0.74
ALDER	2a	14020	1358.50	317.72	323.43	322.82	324.28	0.006414	7.85	215.78	113.57	0.66
ALDER	2a	13975.*	1359.13	317.77	323.11		323.99	0.006996	7.96	206.47	96.29	0.69
ALDER	2a	13930.*	1359.76	317.82	322.80		323.66	0.007415	7.94	205.23	92.01	0.70
ALDER	2a	13885.*	1360.40	317.86	322.44		323.32	0.008324	8.07	201.85	92.44	0.74
ALDER	2a	13840	1361.03	317.91	322.14		322.94	0.008410	7.83	213.80	106.17	0.74
ALDER	2a	13795.*	1361.77	317.52	321.75		322.55	0.009208	8.08	217.19	117.71	0.77
ALDER	2a	13750	1362.51	317.13	321.65		322.11	0.005375	6.52	284.92	145.26	0.60
ALDER	2a	13703.7*	1363.20	316.77	321.10		321.87	0.008613	7.97	221.15	115.92	0.75
ALDER	2a	13657.5*	1363.89	316.40	320.71		321.48	0.008347	7.79	216.22	102.95	0.73
ALDER	2a	13611.2*	1364.40	316.04	320.40		321.10	0.007281	7.35	226.20	103.57	0.69
ALDER	2a	13565	1365.10	315.67	320.21		320.78	0.005608	6.64	249.30	107.89	0.61
ALDER	2a	13525.*	1365.70	315.11	319.79		320.58	0.006800	7.40	210.68	93.97	0.67
ALDER	2a	13485.*	1366.30	314.55	319.63		320.30	0.005067	6.73	218.99	72.86	0.58
ALDER	2a	13445	1366.89	313.99	319.59		320.12	0.003424	5.89	245.45	69.65	0.49
ALDER	2a	13399.*	1367.04	313.78	319.46		319.96	0.003401	5.81	252.37	75.17	0.48
ALDER	2a	13353.*	1367.56	313.57	319.38		319.82	0.003034	5.51	272.24	84.23	0.46
ALDER	2a	13307.*	1368.07	313.35	319.35		319.69	0.002339	4.94	312.70	96.92	0.41
ALDER	2a	13261.*	1368.58	313.14	319.38		319.60	0.001516	4.12	393.08	122.97	0.33
ALDER	2a	13215	1369.08	312.93	319.45		319.54	0.000665	2.85	635.69	219.40	0.22
ALDER	2a	13187.5*	1369.88	312.72	319.37		319.51	0.001028	3.61	501.85	165.45	0.27
ALDER	2a	13160	1370.68	312.52	319.22		319.47	0.001909	4.94	398.12	150.92	0.37
ALDER	2a	13132.5*	1371.15	311.79	319.19		319.41	0.001709	4.75	438.55	187.44	0.35
ALDER	2a	13105	1371.63	311.06	319.23		319.35	0.000885	3.50	547.54	176.57	0.25
ALDER	2a	13056.6*	1372.25	311.09	319.06		319.31	0.001836	4.89	408.33	156.30	0.35
ALDER	2a	13008.3*	1372.88	311.12	318.76		319.24	0.003575	6.50	296.46	120.59	0.48
ALDER	2a	12960.*	1373.51	311.15	318.22		319.11	0.007010	8.45	217.04	94.19	0.65
ALDER	2a	12911.6*	1374.14	311.19	317.60	317.52	318.79	0.010844	9.81	177.23	68.77	0.80
ALDER	2a	12863.3*	1374.78	311.22	316.97	317.17	318.40	0.016530	10.97	161.17	70.84	0.94
ALDER	2a	12815	1375.42	311.25	316.36		317.00	0.009492	8.42	247.35	131.35	0.77
ALDER	2a	12771.6*	1376.12	310.75	316.03		316.61	0.008796	7.90	251.56	132.91	0.70
ALDER	2a	12728.3*	1376.81	310.24	315.58		316.22	0.008965	8.34	247.91	124.50	0.73
ALDER	2a	12685	1377.50	309.74	315.04		315.84	0.010205	9.37	235.10	125.68	0.82
ALDER	2a	12645.*	1378.04	309.55	314.48	314.59	315.46	0.013274	9.95	203.19	113.29	0.92
ALDER	2a	12605.*	1378.56	309.35	314.23		314.87	0.008773	7.94	237.66	112.62	0.74
ALDER	2a	12565	1379.12	309.16	314.20		314.56	0.004585	5.87	304.61	118.77	0.54
ALDER	2a	12530.*	1379.62	309.20	314.01		314.40	0.005252	6.18	293.02	120.10	0.57
ALDER	2a	12495.*	1380.12	309.24	313.77		314.20	0.006222	6.53	277.68	121.13	0.62
ALDER	2a	12460	1380.62	309.28	313.41		313.95	0.009195	7.49	249.45	123.23	0.74
ALDER	2a	12412.5*	1381.33	308.03	312.64	312.75	313.63	0.014466	9.96	198.74	107.76	0.95
ALDER	2a	12365	1382.03	306.78	312.35		312.91	0.006664	7.75	273.55	132.13	0.66
ALDER	2a	12328.3*	1382.55	306.71	312.12		312.67	0.006398	7.53	277.01	133.79	0.65
ALDER	2a	12291.6*	1383.06	306.64	311.96		312.44	0.005445	6.96	292.70	137.65	0.60
ALDER	2a	12255	1383.57	306.57	311.87		312.24	0.004084	6.12	334.14	148.25	0.52
ALDER	2a	12215.*	1384.12	306.18	311.68		312.08	0.004302	6.30	321.10	147.40	0.54
ALDER	2a	12175.*	1384.57	305.79	311.49		311.91	0.004354	6.39	317.74	146.66	0.54
ALDER	2a	12135	1385.14	305.40	311.33		311.74	0.004049	6.24	324.53	147.99	0.53
ALDER	2a	12093.3*	1385.77	305.11	310.89		311.59	0.006678	7.77	248.70	122.76	0.67
ALDER	2a	12051.6*	1386.39	304.83	310.56		311.31	0.007265	8.03	237.66	110.66	0.69
ALDER	2a	12010	1387.01	304.54	310.12		311.01	0.008998	8.71	220.32	107.97	0.76
ALDER	2a	11971.6*	1387.60	304.27	309.68	309.73	310.65	0.010711	9.13	209.66	109.92	0.82
ALDER	2a	11933.3*	1388.18	303.99	309.38		310.18	0.009637	8.47	223.34	110.41	0.78
ALDER	2a	11895	1388.76	303.72	309.37		309.79	0.005020	6.27	287.90	113.46	0.57
ALDER	2a	11846.6*	1389.38	303.61	309.14		309.56	0.005054	6.14	293.39	116.14	0.57
ALDER	2a	11798.3*	1389.99	303.50	308.92		309.33	0.005096	5.99	297.99	119.96	0.57
ALDER	2a	11750	1390.60	303.39	308.67		309.09	0.005635	6.05	298.30	128.15	0.59
ALDER	2a	11703.3*	1391.12	303.15	308.35		308.83	0.006023	6.38	288.03	132.73	0.62
ALDER	2a	11656.6*	1391.78	302.90	308.03		308.56	0.006064	6.55	281.70	136.28	0.62
ALDER	2a	11610	1392.43	302.66	307.82		308.28	0.004786	6.07	295.54	146.75	0.56
ALDER	2a	11560.*	1393.13	302.16	307.38		308.04	0.006059	6.90	236.34	97.47	0.63
ALDER	2a	11510.*	1393.83	301.66	306.98		307.73	0.006516	7.26	217.57	75.26	0.65
ALDER	2a	11460.*	1394.53	301.16	306.55		307.40	0.007086	7.64	204.19	72.23	0.68
ALDER	2a	11410.*	1395.23	300.67	306.06		307.05	0.007998	8.10	189.43	69.04	0.72
ALDER	2a	11360.*	1395.93	300.17	305.54		306.65	0.009174	8.59	176.32	64.11	0.77
ALDER	2a	11310.*	1396.63	299.67	304.98	304.71	306.23	0.010651	9.09	167.59	64.48	0.83
ALDER	2a	11260	1397.33	299.17	304.43	304.50	305.70	0.011638	9.33	180.76	94.74	0.86
ALDER	2a	11219.*	1397.89	298.45	303.95	303.99	305.27	0.011723	9.46	174.98	87.67	0.86
ALDER	2a	11178.*	1398.46	297.72	303.47	303.49	304.83	0.011686	9.55	170.92	82.25	0.86

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	11137.*	1399.03	297.00	303.00	302.97	304.37	0.011473	9.59	168.56	78.18	0.85
ALDER	2a	11096.*	1399.59	296.27	302.54	302.39	303.90	0.011083	9.54	168.04	74.16	0.84
ALDER	2a	11055	1400.16	295.55	302.10	301.78	303.42	0.010662	9.41	169.48	71.38	0.81
ALDER	2a	11012.*	1400.75	295.50	301.65	301.30	302.94	0.010271	9.26	167.14	63.68	0.81
ALDER	2a	10969.*	1401.34	295.45	301.24	300.82	302.47	0.009768	9.03	169.53	62.45	0.79
ALDER	2a	10926.*	1401.94	295.41	300.90		302.02	0.008745	8.61	178.12	64.08	0.76
ALDER	2a	10883.*	1402.54	295.36	300.72		301.65	0.006862	7.86	198.75	69.74	0.68
ALDER	2a	10840	1403.14	295.31	300.66		301.36	0.004883	6.93	231.99	78.55	0.58
ALDER	2a	10793.6*	1403.80	295.05	300.39		301.13	0.005437	7.14	224.39	78.63	0.61
ALDER	2a	10747.3*	1404.45	294.78	300.08		300.87	0.006134	7.38	218.11	81.53	0.64
ALDER	2a	10701.0*	1405.10	294.52	299.74		300.59	0.006976	7.63	213.59	87.86	0.68
ALDER	2a	10654.7*	1405.75	294.25	299.36		300.25	0.008068	7.90	209.99	94.15	0.72
ALDER	2a	10608.41	1406.39	293.99	299.01		299.86	0.008510	7.86	217.54	101.30	0.74
ALDER	2a	10566.3*	1406.96	293.60	298.64		299.52	0.008489	8.12	217.28	95.54	0.74
ALDER	2a	10524.2*	1407.53	293.21	298.18		299.17	0.009603	8.78	206.70	88.91	0.79
ALDER	2a	10482.1*	1408.10	292.83	297.57	297.66	298.86	0.013156	10.18	182.74	80.40	0.93
ALDER	2a	10440	1408.68	292.44	296.88	297.28	298.69	0.019917	12.26	155.05	69.52	1.13
ALDER	2a	10391.6*	1409.29	291.00	295.96	296.47	298.15	0.019802	13.12	138.32	52.01	1.15
ALDER	2a	10343.3*	1409.90	289.56	295.09	295.51	297.33	0.017526	13.25	137.09	45.65	1.10
ALDER	2a	10295	1410.51	288.12	294.34	294.61	296.48	0.014521	13.04	142.39	42.60	1.01
ALDER	2a	10247.1*	1425.59	288.05	293.78	293.84	295.51	0.012545	11.40	156.29	50.20	0.93
ALDER	2a	10199.2*	1426.26	287.98	293.37	293.23	294.76	0.010734	10.06	171.12	57.91	0.85
ALDER	2a	10151.4*	1426.74	287.91	293.08		294.20	0.009020	8.93	188.48	65.93	0.78
ALDER	2a	10103.5*	1425.88	287.85	292.83		293.75	0.007755	8.05	205.74	73.97	0.72
ALDER	2a	10055.7*	1423.26	287.78	292.63		293.38	0.006563	7.25	226.16	83.11	0.66
ALDER	2a	10007.8*	1421.59	287.71	292.45		293.07	0.005604	6.59	249.57	96.59	0.60
ALDER	2a	9960	1415.94	287.64	292.32		292.81	0.004602	5.91	282.37	118.46	0.55
ALDER	2a	9915.*	1404.23	287.01	292.15		292.61	0.003713	5.67	295.57	113.99	0.50
ALDER	2a	9870.*	1390.17	286.38	292.04		292.44	0.002912	5.36	321.26	122.56	0.45
ALDER	2a	9825.*	1386.13	285.74	291.99		292.31	0.002166	4.95	371.86	137.61	0.39
ALDER	2a	9780	1381.75	285.11	291.98		292.21	0.001448	4.33	457.53	152.04	0.33
ALDER	2a	9732.5*	1349.04	285.27	291.86		292.13	0.001743	4.84	397.82	116.20	0.36
ALDER	2a	9685	1335.06	285.42	291.71		292.04	0.002221	5.58	355.88	99.07	0.41
ALDER	2a	9642.5*	1318.95	285.02	291.64		291.93	0.002121	5.28	367.41	97.28	0.38
ALDER	2a	9600.	1285.24	284.61	291.58		291.83	0.001911	4.97	378.22	95.27	0.35
ALDER	2	9557.5	2165.10	284.21	290.49		291.54	0.008959	8.93	300.22	82.66	0.68
ALDER	2	9515.*	2165.05	283.80	290.07		291.16	0.009343	8.98	292.99	81.99	0.69
ALDER	2	9472.5*	2165.01	283.40	289.64		290.76	0.009850	9.03	287.15	82.46	0.71
ALDER	2	9430	2164.97	282.99	289.19		290.34	0.010635	9.12	281.45	83.53	0.73
ALDER	2	9391.66*	2165.60	282.38	288.70		289.94	0.011169	9.45	268.48	76.45	0.75
ALDER	2	9353.33*	2166.23	281.77	288.26		289.52	0.011000	9.54	266.48	73.11	0.75
ALDER	2	9315	2166.86	281.16	287.91		289.12	0.010058	9.39	274.17	72.61	0.72
ALDER	2	9271.25*	2167.63	280.79	287.45		288.67	0.010641	9.44	273.95	76.96	0.73
ALDER	2	9227.5*	2168.40	280.42	286.90		288.18	0.012034	9.68	269.13	82.84	0.77
ALDER	2	9183.75*	2169.18	280.04	286.34	286.13	287.65	0.013411	9.82	271.65	94.81	0.81
ALDER	2	9140	2169.95	279.67	286.16		287.01	0.009301	8.29	344.75	122.27	0.67
ALDER	2	9105.*	2170.52	279.22	286.07		286.70	0.006352	7.18	396.33	123.61	0.56
ALDER	2	9070.*	2171.10	278.76	286.01		286.49	0.004411	6.27	450.66	124.69	0.48
ALDER	2	9035	2171.68	278.31	285.97		286.34	0.003123	5.52	507.21	125.53	0.40
ALDER	2	8996.25*	2172.30	278.16	285.60		286.22	0.005078	6.97	393.92	105.27	0.51
ALDER	2	8957.5*	2172.93	278.01	285.26		286.03	0.006312	7.72	348.15	88.51	0.57
ALDER	2	8918.75*	2173.57	277.86	284.79		285.78	0.008550	8.79	305.95	79.99	0.66
ALDER	2	8880	2174.21	277.71	283.94	283.85	285.55	0.015876	11.12	241.54	71.37	0.89
ALDER	2	8833.75*	2174.97	277.36	283.19	283.18	284.84	0.016425	10.96	235.64	72.96	0.90
ALDER	2	8787.5*	2175.72	277.01	282.46	282.32	284.05	0.016363	10.56	234.94	71.19	0.89
ALDER	2	8741.25*	2176.48	276.66	281.83		283.27	0.015474	9.98	243.15	72.74	0.86
ALDER	2	8695	2177.24	276.31	281.29		282.54	0.013988	9.31	257.27	76.19	0.81
ALDER	2	8645.*	2178.13	275.29	280.55		281.86	0.014148	9.51	254.35	76.88	0.82
ALDER	2	8595.*	2179.02	274.26	279.84		281.18	0.013966	9.62	255.24	79.96	0.82
ALDER	2	8545.*	2179.91	273.23	279.36		280.50	0.010970	9.01	285.70	92.86	0.73
ALDER	2	8495	2180.79	272.21	279.34		279.99	0.005429	7.06	389.25	108.28	0.53
ALDER	2	8450.*	2181.57	271.92	278.78		279.74	0.007928	8.18	314.89	101.47	0.63
ALDER	2	8405.*	2182.36	271.63	278.32		279.36	0.008880	8.39	287.62	83.88	0.66
ALDER	2	8360.*	2183.16	271.35	278.00		278.96	0.008316	8.02	297.78	81.73	0.64
ALDER	2	8315.*	2183.90	271.06	277.78		278.60	0.007187	7.47	321.65	85.92	0.59
ALDER	2	8270.*	2184.69	270.77	277.62		278.30	0.005923	6.85	356.47	95.32	0.54
ALDER	2	8225	2185.48	270.48	277.51		278.05	0.004633	6.17	407.09	110.72	0.48
ALDER	2	8179.28*	2186.27	270.30	277.28		277.85	0.004773	6.30	403.19	112.31	0.49
ALDER	2	8133.57*	2187.07	270.12	277.05		277.63	0.004912	6.43	400.25	114.21	0.50
ALDER	2	8087.85*	2187.85	269.94	276.82		277.41	0.005029	6.55	399.37	116.80	0.50
ALDER	2	8042.14*	2188.63	269.77	276.58		277.19	0.005098	6.64	401.93	121.14	0.51
ALDER	2	7996.42*	2189.41	269.59	276.36		276.96	0.005046	6.67	411.04	127.76	0.51
ALDER	2	7950.71*	2190.17	269.41	276.18		276.74	0.004702	6.52	430.54	131.44	0.49
ALDER	2	7905	2190.93	269.23	276.03		276.52	0.004214	6.28	459.69	137.10	0.47
ALDER	2	7861.25*	2191.63	268.93	275.85		276.34	0.004100	6.26	449.83	124.55	0.46

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	7817.5*	2192.20	268.63	275.67		276.17	0.003991	6.23	445.70	118.00	0.46
ALDER	2	7773.75*	2193.02	268.33	275.51		276.00	0.003873	6.18	447.31	117.43	0.45
ALDER	2	7730	2193.72	268.03	275.40		275.83	0.003454	5.90	480.12	129.20	0.43
ALDER	2	7683.33*	2194.42	267.77	275.05		275.68	0.004682	6.79	399.22	110.68	0.50
ALDER	2	7636.66*	2195.19	267.51	274.74		275.46	0.005117	7.12	361.63	93.13	0.52
ALDER	2	7590	2195.94	267.25	274.50		275.22	0.004782	7.05	353.25	82.64	0.50
ALDER	2	7545.*	2196.73	266.83	274.18		274.99	0.005402	7.41	325.59	71.57	0.53
ALDER	2	7500.*	2197.49	266.41	273.88		274.74	0.005674	7.60	312.22	65.98	0.55
ALDER	2	7455.*	2198.26	265.99	273.63		274.49	0.005449	7.56	310.26	62.09	0.54
ALDER	2	7410	2199.02	265.57	273.45		274.26	0.004800	7.30	318.58	59.53	0.50
ALDER	2	7368.75*	2199.74	265.50	273.11		274.05	0.005837	7.88	298.74	59.20	0.56
ALDER	2	7327.5*	2200.46	265.43	272.73		273.80	0.007023	8.47	281.87	59.25	0.61
ALDER	2	7286.25*	2201.18	265.36	272.32		273.51	0.008103	8.97	271.06	60.31	0.65
ALDER	2	7245	2201.90	265.29	271.99		273.18	0.008274	9.11	276.10	64.87	0.66
ALDER	2	7205.*	2201.89	264.89	271.52		272.86	0.009904	9.79	264.62	65.99	0.72
ALDER	2	7165.*	2201.89	264.49	271.04		272.49	0.011410	10.38	258.21	67.69	0.77
ALDER	2	7125	2201.88	264.09	270.66		272.06	0.011272	10.43	268.22	71.67	0.77
ALDER	2	7085.*	2201.88	264.08	270.63		271.55	0.007317	8.20	323.34	86.41	0.62
ALDER	2	7045.*	2201.87	264.08	270.57		271.24	0.005523	6.91	372.22	103.06	0.53
ALDER	2	7005.*	2201.68	264.08	270.51		271.02	0.004398	5.97	427.35	125.18	0.47
ALDER	2	6965	2201.87	264.07	270.48		270.84	0.003468	5.13	507.83	159.97	0.41
ALDER	2	6922.5*	2220.37	263.59	270.26		270.70	0.004012	5.56	466.07	144.60	0.45
ALDER	2	6880.*	2220.36	263.11	270.04		270.52	0.004365	5.85	437.94	127.42	0.47
ALDER	2	6837.5*	2220.34	262.63	269.78		270.34	0.004879	6.22	411.11	119.38	0.49
ALDER	2	6795	2220.33	262.15	269.48		270.13	0.005664	6.72	380.80	112.92	0.53
ALDER	2	6752.5*	2221.23	261.76	268.90		269.87	0.008201	7.97	297.73	85.44	0.63
ALDER	2	6710.*	2222.14	261.36	268.36		269.51	0.010028	8.73	271.83	74.02	0.70
ALDER	2	6667.5*	2223.05	260.97	267.85		269.12	0.011432	9.29	268.98	83.22	0.75
ALDER	2	6625	2223.96	260.58	267.89		268.60	0.006373	7.46	363.35	91.57	0.57
ALDER	2	6586.25*	2224.78	260.38	267.58		268.36	0.006979	7.81	352.12	93.04	0.60
ALDER	2	6547.5*	2225.61	260.18	267.23		268.10	0.007868	8.24	339.47	96.03	0.63
ALDER	2	6508.75*	2226.43	259.98	266.87		267.81	0.008723	8.61	334.42	103.63	0.66
ALDER	2	6470	2227.24	259.78	266.80		267.48	0.006369	7.58	400.60	121.52	0.57
ALDER	2	6420.*	2228.35	259.39	266.42		267.17	0.006767	7.76	381.48	120.10	0.59
ALDER	2	6370.*	2229.46	258.99	266.14		266.83	0.006080	7.40	393.87	118.85	0.56
ALDER	2	6320	2230.57	258.60	265.93		266.52	0.005132	6.89	424.17	126.26	0.51
ALDER	2	6275.*	2231.52	258.80	265.72		266.30	0.005048	6.72	425.73	125.40	0.51
ALDER	2	6230.*	2232.49	259.00	265.49		266.06	0.005078	6.60	421.73	120.57	0.51
ALDER	2	6185	2233.46	259.20	265.26		265.83	0.005259	6.55	412.04	113.98	0.52
ALDER	2	6145.*	2233.00	258.97	264.69		265.60	0.008897	8.02	322.67	97.58	0.66
ALDER	2	6105.*	2230.99	258.75	264.17		265.22	0.011698	8.72	303.67	104.99	0.75
ALDER	2	6065	2229.10	258.52	264.00		264.76	0.008930	7.71	359.24	117.98	0.65
ALDER	2	6021.25*	2229.04	258.33	263.96		264.41	0.004891	5.91	468.64	147.87	0.49
ALDER	2	5977.5*	2228.97	258.14	263.93		264.21	0.002884	4.71	591.70	180.77	0.38
ALDER	2	5933.75*	2228.89	257.96	263.91		264.10	0.001814	3.87	734.96	228.43	0.30
ALDER	2	5890	2228.79	257.77	263.90		264.03	0.001154	3.20	948.30	337.52	0.24
ALDER	2	5841.50*	3128.24	257.25	263.49		263.85	0.003253	5.19	766.67	264.34	0.41
ALDER	2	5793.01*	3128.19	256.72	263.25		263.69	0.003923	5.64	679.51	226.63	0.45
ALDER	2	5744.51*	3128.15	256.20	262.97		263.49	0.004739	6.09	608.75	196.87	0.49
ALDER	2	5696.02*	3128.11	255.67	262.60		263.25	0.006125	6.74	537.18	181.41	0.55
ALDER	2	5647.53	3128.08	255.15	262.05		262.93	0.009012	7.72	452.29	154.07	0.66
ALDER	2	5605.44*	3129.01	255.15	261.73		262.54	0.008656	7.41	473.59	168.27	0.64
ALDER	2	5563.35*	3129.94	255.15	261.47		262.19	0.007905	6.99	504.40	177.81	0.61
ALDER	2	5521.26*	3130.86	255.15	261.26		261.87	0.006946	6.52	543.35	186.54	0.57
ALDER	2	5479.17*	3131.32	255.15	261.08		261.60	0.005914	6.03	589.60	194.98	0.53
ALDER	2	5437.08*	3132.26	255.15	260.94		261.37	0.004847	5.51	649.07	233.56	0.48
ALDER	2	5395	3133.19	255.15	260.84		261.18	0.003807	4.96	739.93	272.81	0.43
ALDER	2	5351.42*	3133.16	254.95	260.62		261.01	0.004330	5.34	682.44	228.20	0.46
ALDER	2	5307.85*	3133.13	254.74	260.37		260.82	0.004985	5.77	644.63	202.50	0.49
ALDER	2	5264.28*	3133.09	254.54	260.07		260.59	0.006055	6.34	605.45	200.70	0.54
ALDER	2	5220.71*	3133.06	254.34	259.68		260.32	0.007968	7.15	560.02	202.75	0.62
ALDER	2	5177.14*	3131.78	254.14	259.12		259.97	0.012181	8.46	505.54	218.09	0.75
ALDER	2	5133.57*	3131.74	253.93	258.89		259.45	0.009334	7.47	606.23	241.46	0.66
ALDER	2	5090	3129.13	253.73	258.84		259.10	0.004193	5.21	825.51	255.66	0.45
ALDER	2	5048.33*	3252.85	253.54	258.14		258.84	0.011724	7.95	564.79	239.77	0.73
ALDER	2	5006.66*	3252.76	253.34	257.74		258.36	0.010370	7.13	575.12	234.61	0.68
ALDER	2	4965	3252.65	253.15	257.64		257.98	0.005600	5.30	766.82	295.36	0.50
ALDER	2	4922.5*	3253.68	252.85	257.35		257.74	0.006177	5.68	737.82	294.21	0.53
ALDER	2	4880.*	3254.91	252.55	256.99		257.47	0.007697	6.37	679.76	295.33	0.59
ALDER	2	4837.5*	3256.13	252.26	256.38		257.15	0.012971	7.93	551.96	293.81	0.76
ALDER	2	4795	3257.30	251.96	256.39		256.60	0.004185	4.84	1031.03	454.62	0.44
ALDER	2	4758.33*	3361.12	251.55	256.17		256.45	0.004849	5.28	979.04	469.47	0.47
ALDER	2	4721.66*	3362.07	251.15	256.03		256.32	0.004443	5.19	962.31	471.01	0.46
ALDER	2	4685	3360.07	250.74	255.55		256.14	0.007564	6.58	594.00	320.63	0.59
ALDER	2	4639.*	3359.98	250.11	255.54		255.83	0.003579	5.01	935.87	438.24	0.42

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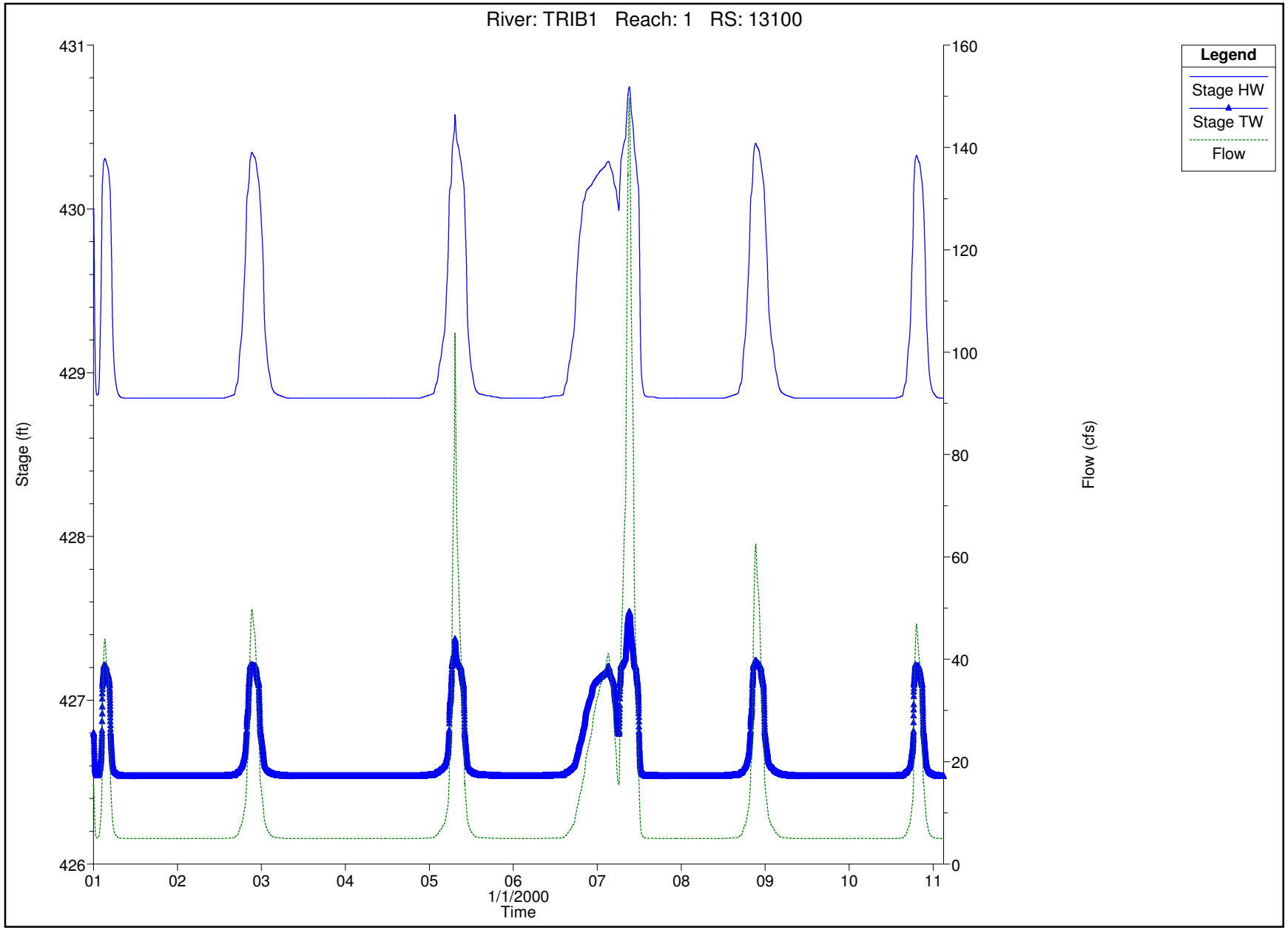
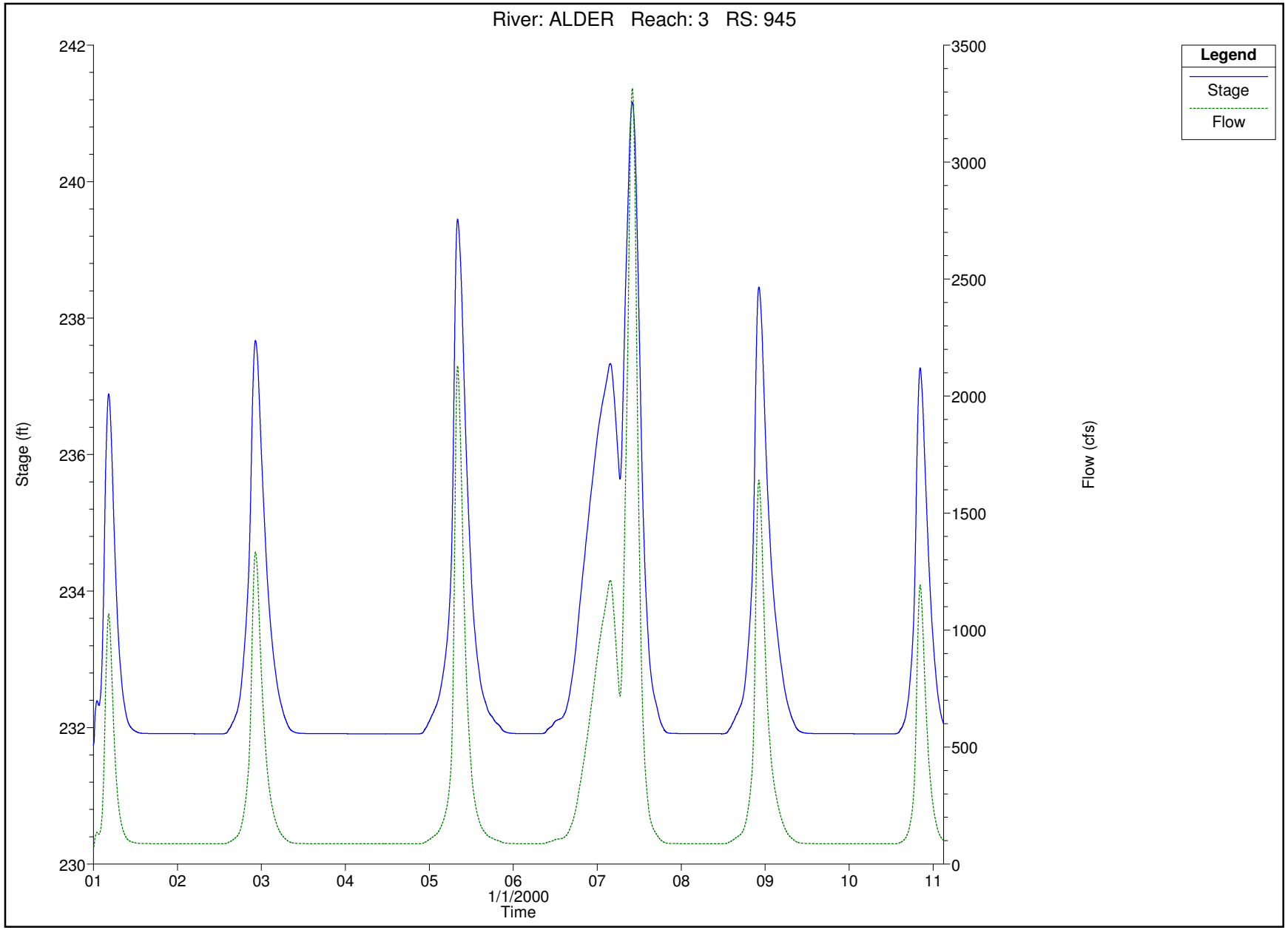
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	4593.*	3359.85	249.48	255.44		255.70	0.002618	4.63	1066.08	447.32	0.36
ALDER	2	4547.*	3359.68	248.86	255.40		255.57	0.001591	3.90	1257.22	423.61	0.29
ALDER	2	4501.*	3359.53	248.23	255.38		255.50	0.000960	3.25	1484.58	403.66	0.23
ALDER	2	4455	3359.38	247.60	255.38		255.45	0.000606	2.75	1725.87	391.95	0.18
ALDER	2	4406.66*	3359.25	247.58	255.22		255.43	0.001391	4.15	1048.62	261.04	0.28
ALDER	2	4358.33*	3359.14	247.55	254.95		255.37	0.002576	5.55	721.51	155.27	0.38
ALDER	2	4310	3357.63	247.53	254.40		255.23	0.005148	7.49	489.87	97.28	0.53
ALDER	2	4271.25*	3355.24	247.09	254.05		255.03	0.006270	8.28	459.25	96.80	0.58
ALDER	2	4232.5	3352.02	246.65	253.65		254.80	0.007716	9.17	432.82	95.92	0.65
ALDER	3	4193.75	3495.99	246.21	253.41		254.42	0.009645	10.53	466.37	96.08	0.72
ALDER	3	4155	3495.96	245.77	253.33		254.07	0.006750	8.88	536.29	101.91	0.60
ALDER	3	4118.33*	3495.92	245.51	253.07		253.83	0.007168	9.45	549.49	117.53	0.63
ALDER	3	4081.66*	3494.99	245.25	252.71		253.59	0.007916	10.07	532.05	121.23	0.66
ALDER	3	4045	3494.98	244.99	252.52		253.30	0.006455	9.31	556.77	116.53	0.60
ALDER	3	4002.5*	3497.34	244.99	252.30		253.03	0.006136	8.90	589.78	133.71	0.59
ALDER	3	3960.*	3499.66	244.99	252.13		252.78	0.005780	8.48	664.35	182.50	0.57
ALDER	3	3917.5*	3501.95	244.99	252.13		252.51	0.003487	6.58	840.80	214.46	0.44
ALDER	3	3875	3504.22	244.99	252.14		252.36	0.002002	4.97	1048.44	232.40	0.33
ALDER	3	3827.5*	3505.43	244.99	252.03		252.26	0.002204	5.13	1019.52	235.88	0.35
ALDER	3	3780.*	3508.07	244.99	251.91		252.15	0.002335	5.19	1011.98	243.54	0.36
ALDER	3	3732.5*	3510.69	244.99	251.83		252.04	0.002185	4.96	1081.10	273.74	0.35
ALDER	3	3685	3513.29	244.99	251.83		251.94	0.001188	3.64	1455.59	345.37	0.26
ALDER	3	3635.83*	3523.44	244.75	251.65		251.88	0.002147	4.88	1043.85	257.72	0.34
ALDER	3	3586.66*	3526.04	244.52	251.44		251.78	0.002723	5.46	883.62	225.91	0.39
ALDER	3	3537.5*	3528.62	244.28	251.29		251.65	0.002639	5.38	836.27	199.82	0.38
ALDER	3	3488.33*	3531.19	244.04	251.18		251.52	0.002357	5.11	844.03	197.00	0.36
ALDER	3	3439.16*	3532.42	243.81	251.09		251.41	0.002018	4.76	873.09	198.80	0.33
ALDER	3	3390	3535.07	243.57	251.03		251.31	0.001675	4.39	918.85	200.20	0.30
ALDER	3	3341.87*	3535.05	243.61	250.95		251.23	0.001719	4.39	923.49	203.20	0.31
ALDER	3	3293.75*	3535.02	243.64	250.88		251.15	0.001741	4.38	933.36	206.57	0.31
ALDER	3	3245.62*	3534.99	243.68	250.80		251.06	0.001738	4.34	948.29	209.81	0.31
ALDER	3	3197.5*	3534.95	243.71	250.73		250.98	0.001713	4.27	968.54	214.27	0.31
ALDER	3	3149.37*	3534.90	243.75	250.66		250.89	0.001660	4.18	994.61	218.58	0.30
ALDER	3	3101.25*	3534.85	243.79	250.59		250.82	0.001583	4.07	1027.00	223.64	0.29
ALDER	3	3053.12*	3534.79	243.82	250.53		250.74	0.001481	3.94	1065.24	227.39	0.28
ALDER	3	3005	3534.73	243.86	250.48		250.67	0.001366	3.78	1109.83	231.46	0.27
ALDER	3	2962.5*	3534.68	243.87	250.37		250.61	0.001769	4.25	979.00	212.73	0.31
ALDER	3	2920.*	3534.63	243.88	250.23		250.53	0.002232	4.71	869.19	190.97	0.34
ALDER	3	2877.5*	3534.58	243.89	250.05		250.43	0.002875	5.24	772.64	176.41	0.39
ALDER	3	2835.*	3534.54	243.89	249.81		250.30	0.003794	5.87	681.84	162.72	0.44
ALDER	3	2792.5*	3534.49	243.90	249.46		250.12	0.005358	6.71	587.44	148.27	0.52
ALDER	3	2750	3534.45	243.91	248.88		249.84	0.008948	8.06	478.26	130.12	0.66
ALDER	3	2704.*	3536.75	243.45	248.43		249.42	0.009565	8.26	474.77	135.04	0.68
ALDER	3	2658.*	3536.70	242.99	247.96		248.98	0.010200	8.43	476.05	143.44	0.71
ALDER	3	2612.*	3536.33	242.53	247.56		248.51	0.009908	8.30	499.87	157.12	0.70
ALDER	3	2566.*	3536.31	242.07	247.36		248.08	0.007596	7.47	578.77	176.32	0.61
ALDER	3	2520	3536.29	241.61	247.25		247.76	0.005285	6.49	717.14	224.73	0.52
ALDER	3	2475.*	3538.10	241.12	246.94		247.53	0.005924	6.95	676.68	217.45	0.55
ALDER	3	2430.*	3539.90	240.63	246.65		247.26	0.006170	7.18	657.92	205.55	0.56
ALDER	3	2385.*	3541.69	240.13	246.40		246.99	0.005929	7.18	667.18	199.95	0.55
ALDER	3	2340.*	3543.46	239.64	246.18		246.73	0.005440	7.03	692.62	198.93	0.53
ALDER	3	2295	3545.22	239.15	246.01		246.50	0.004767	6.76	732.63	199.48	0.50
ALDER	3	2245.*	3546.66	239.15	245.85		246.27	0.003789	6.14	780.98	201.60	0.45
ALDER	3	2195.*	3548.75	239.14	245.78		246.09	0.002507	5.15	905.58	212.14	0.37
ALDER	3	2145	3550.83	239.14	245.77		245.97	0.001530	4.17	1091.64	223.95	0.29
ALDER	3	2101.66*	3552.65	239.14	245.65		245.90	0.002100	4.80	977.17	210.17	0.34
ALDER	3	2058.33*	3554.48	239.14	245.47		245.79	0.003048	5.64	858.05	194.65	0.41
ALDER	3	2015	3556.29	239.14	245.20		245.63	0.004793	6.84	730.35	174.94	0.50
ALDER	3	1969.*	3558.16	238.77	244.91		245.42	0.005357	7.13	697.53	180.00	0.53
ALDER	3	1923.*	3560.02	238.39	244.58		245.18	0.005999	7.40	663.37	185.73	0.56
ALDER	3	1877.*	3561.87	238.02	244.23		244.90	0.006568	7.57	629.52	185.74	0.58
ALDER	3	1831.*	3563.69	237.64	243.84		244.59	0.007220	7.72	594.84	184.77	0.61
ALDER	3	1785	3564.80	237.27	243.42		244.25	0.007931	7.82	556.44	183.21	0.63
ALDER	3	1740.*	3564.74	236.84	243.18		243.91	0.007006	7.37	607.74	204.64	0.59
ALDER	3	1695.*	3564.66	236.41	243.02		243.60	0.005599	6.71	678.00	221.58	0.53
ALDER	3	1650.*	3564.54	235.98	242.90		243.36	0.004264	6.02	765.39	239.40	0.47
ALDER	3	1605.*	3564.40	235.55	242.82		243.18	0.003166	5.37	868.65	259.10	0.41
ALDER	3	1560	3564.25	235.12	242.76		243.05	0.002325	4.78	987.89	282.32	0.35
ALDER	3	1511.42*	3593.94	235.01	242.55		242.93	0.002947	5.42	866.07	254.04	0.40
ALDER	3	1462.85*	3593.94	234.90	242.31		242.79	0.003637	6.03	762.98	226.51	0.44
ALDER	3	1414.28*	3593.92	234.79	242.05		242.61	0.004235	6.51	687.06	188.90	0.48
ALDER	3	1365.71*	3593.90	234.69	241.75		242.40	0.004894	6.99	632.03	164.03	0.51
ALDER	3	1317.14*	3593.87	234.58	241.43		242.16	0.005592	7.43	585.23	140.63	0.55
ALDER	3	1268.57*	3593.83	234.47	241.04		241.88	0.006633	8.00	540.13	125.59	0.59
ALDER	3	1220	3593.77	234.36	240.47		241.53	0.008982	9.02	479.87	115.17	0.68

HEC-RAS Plan: EX100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	1175.*	3593.69	233.55	240.23		241.14	0.007170	8.21	522.37	129.32	0.61
ALDER	3	1130.*	3593.59	232.73	240.14		240.83	0.004987	7.10	611.24	158.64	0.52
ALDER	3	1085	3593.43	231.92	240.23		240.60	0.002613	5.42	926.93	313.61	0.38
ALDER	3	1057.5*	3593.35	231.36	239.57		240.53	0.008490	7.88	456.28	96.53	0.64
ALDER	3	1030	3593.32	230.81	239.44	237.15	240.33	0.006280	7.53	477.09	84.39	0.56
ALDER	3	1000	Bridge									
ALDER	3	945	3592.66	229.78	238.18		238.88	0.005402	6.68	537.48	104.97	0.52
ALDER	3	900	3583.95	229.78	237.80	235.80	238.60	0.006591	7.20	497.80	100.97	0.57


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
431
430
429
428
427
426
160
140
120
100
80
60
40
20
0
01
02
03
04
05
06
07
08
09
10
11
1/1/2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
242
240
238
236
234
232
230
3500
3000
2500
2000
1500
1000
500
0
01
02
03
04
05
06
07
08
09
10
11
1/1/2000
Time

HEC-RAS Plan: EX100YR10D Profile: Max WS

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	160.66	267.72	268.71		268.83	0.012631	2.78	57.74	80.66	0.58
TRIB4	1	2123.33*	160.65	267.11	268.26		268.38	0.012506	2.79	57.57	79.48	0.58
TRIB4	1	2086.66*	160.65	266.51	267.70		267.86	0.016650	3.16	50.88	72.29	0.66
TRIB4	1	2050	160.64	265.90	267.07		267.23	0.018379	3.22	49.84	73.85	0.69
TRIB4	1	2010.*	160.88	265.02	266.35		266.51	0.018096	3.23	49.83	72.77	0.69
TRIB4	1	1970.*	161.12	264.15	265.62		265.79	0.018501	3.27	49.31	71.90	0.70
TRIB4	1	1930.*	161.36	263.27	264.90		265.07	0.018188	3.28	49.21	70.37	0.69
TRIB4	1	1890	161.60	262.40	264.16		264.33	0.019061	3.35	48.25	69.08	0.71
TRIB4	1	1848.*	161.85	261.50	263.33		263.53	0.020098	3.52	46.04	63.78	0.73
TRIB4	1	1806.*	162.10	260.59	262.49		262.70	0.019721	3.66	44.24	56.70	0.73
TRIB4	1	1764.*	162.34	259.69	261.62		261.85	0.020936	3.86	42.08	52.09	0.76
TRIB4	1	1722.*	162.59	258.78	260.77		261.01	0.019906	3.90	41.64	48.60	0.74
TRIB4	1	1680	162.84	257.88	260.37		260.48	0.005279	2.63	61.97	48.11	0.41
TRIB4	1	1630.*	163.13	257.07	259.52		259.89	0.020317	4.90	33.27	27.97	0.79
TRIB4	1	1580.*	163.43	256.25	258.21	258.16	258.61	0.032073	5.09	32.10	36.12	0.95
TRIB4	1	1530	163.73	255.44	257.42		257.51	0.004228	2.33	70.28	55.97	0.37
TRIB4	1	1491.66*	163.94	254.70	256.95		257.17	0.014045	3.78	43.42	41.24	0.65
TRIB4	1	1453.33*	164.19	253.97	256.01	255.98	256.49	0.031768	5.58	29.42	28.63	0.97
TRIB4	1	1415	162.83	253.23	255.36		255.51	0.006540	3.14	51.80	36.33	0.46
TRIB4	1	1373.33*	147.39	252.56	255.05		255.20	0.006350	3.05	48.30	34.69	0.46
TRIB4	1	1331.66*	140.55	251.88	254.95		255.01	0.002179	1.97	71.34	44.33	0.27
TRIB4	1	1290	140.92	251.21	254.94		254.95	0.000270	1.00	140.59	49.56	0.10
TRIB4	1	1245.*	140.89	250.41	254.94		254.94	0.000141	0.77	182.69	59.20	0.08
TRIB4	1	1200.*	140.86	249.62	254.94		254.94	0.000058	0.56	253.27	68.56	0.05
TRIB4	1	1155	140.83	248.82	254.94		254.94	0.000023	0.40	352.62	78.05	0.03
TRIB3	1	3020	267.81	339.76	341.05		341.26	0.015400	4.28	75.03	94.23	0.70
TRIB3	1	2971.66*	263.71	338.87	340.29		340.53	0.015658	4.52	72.13	93.62	0.71
TRIB3	1	2923.33*	267.80	337.98	339.43		339.72	0.019046	4.91	65.42	81.56	0.78
TRIB3	1	2875	267.80	337.09	338.69		338.93	0.014474	4.45	71.33	80.91	0.69
TRIB3	1	2830.83*	267.80	336.41	338.08		338.38	0.016334	4.93	64.88	70.96	0.74
TRIB3	1	2786.66*	267.80	335.72	337.44		337.78	0.017714	5.24	61.56	67.16	0.77
TRIB3	1	2742.5*	267.79	335.04	336.78		337.16	0.018982	5.49	59.22	65.32	0.80
TRIB3	1	2698.33*	267.79	334.36	336.12		336.50	0.019353	5.56	58.46	63.92	0.81
TRIB3	1	2654.16*	267.78	333.67	335.43		335.81	0.020248	5.61	57.54	62.57	0.82
TRIB3	1	2610	267.78	332.99	334.78		335.12	0.017717	5.27	60.48	62.93	0.77
TRIB3	1	2561.66*	267.77	332.22	334.09		334.46	0.018896	5.52	58.33	61.53	0.80
TRIB3	1	2513.33*	267.77	331.45	333.39		333.77	0.018759	5.56	56.99	57.85	0.80
TRIB3	1	2465.*	267.77	330.68	332.67		333.08	0.018712	5.59	55.96	55.35	0.80
TRIB3	1	2416.66*	267.76	329.91	331.96		332.37	0.018797	5.61	55.11	53.60	0.80
TRIB3	1	2368.33*	267.75	329.14	331.24		331.65	0.018392	5.58	54.97	52.54	0.79
TRIB3	1	2320	267.74	328.37	330.44	330.37	330.91	0.022185	5.92	50.91	49.87	0.86
TRIB3	1	2272.14*	273.66	327.46	329.59	329.51	330.08	0.020906	6.06	51.65	47.02	0.85
TRIB3	1	2224.29*	279.58	326.54	328.76		329.26	0.018918	6.12	52.84	44.49	0.82
TRIB3	1	2176.44*	285.49	325.63	327.97		328.46	0.016921	6.17	54.57	42.36	0.79
TRIB3	1	2128.58*	291.41	324.71	327.16		327.68	0.016526	6.42	54.50	39.56	0.79
TRIB3	1	2080.73*	297.34	323.80	326.42		326.94	0.015126	6.56	55.80	37.37	0.77
TRIB3	1	2032.88*	303.24	322.88	325.76		326.25	0.012541	6.49	59.08	35.95	0.71
TRIB3	1	1985.03	309.18	321.97	325.33		325.69	0.008439	6.00	76.48	63.32	0.60
TRIB3	1	1943.02*	314.29	321.74	324.99		325.37	0.009346	6.17	77.44	58.65	0.63
TRIB3	1	1901.01*	319.41	321.51	324.66		325.01	0.009197	5.98	79.09	56.91	0.62
TRIB3	1	1859.01*	324.50	321.27	324.32		324.65	0.009098	5.79	80.77	56.06	0.61
TRIB3	1	1817.00*	329.62	321.04	324.00		324.30	0.008534	5.49	84.42	56.73	0.59
TRIB3	1	1775	334.74	320.81	323.74		323.99	0.007138	4.97	92.69	60.04	0.54
TRIB3	1	1731.25*	340.13	320.51	323.43		323.69	0.007601	5.15	91.29	59.03	0.56
TRIB3	1	1687.5*	345.51	320.21	323.10		323.38	0.007983	5.28	90.32	58.09	0.57
TRIB3	1	1643.75*	350.89	319.90	322.76		323.05	0.008263	5.36	89.86	57.28	0.58
TRIB3	1	1600	356.27	319.60	322.09		322.55	0.015863	6.76	71.58	52.36	0.79
TRIB3	1	1554.*	361.65	318.94	321.35		321.84	0.017037	6.85	70.89	53.06	0.81
TRIB3	1	1508.*	367.04	318.28	320.57		321.10	0.019387	7.02	69.51	54.67	0.86
TRIB3	1	1462.*	372.42	317.62	319.77	319.72	320.31	0.022023	7.15	69.77	59.82	0.90
TRIB3	1	1416.*	377.81	316.96	318.93	318.90	319.44	0.023486	6.91	70.94	62.56	0.92
TRIB3	1	1370	383.19	316.30	318.08		318.53	0.022714	6.29	74.39	64.84	0.88
TRIB3	1	1325.*	383.19	315.33	317.20		317.66	0.023462	6.38	75.23	70.08	0.90
TRIB3	1	1280.*	383.18	314.36	316.33	316.32	316.80	0.024405	6.49	75.32	75.11	0.91
TRIB3	1	1235.*	383.17	313.39	315.45	315.48	315.96	0.025168	6.58	74.89	79.71	0.93
TRIB3	1	1190.*	383.17	312.42	314.59	314.64	315.11	0.024109	6.49	75.71	83.93	0.91
TRIB3	1	1145.*	383.16	311.45	313.73	313.79	314.26	0.023498	6.43	75.26	86.69	0.90
TRIB3	1	1100	383.16	310.48	313.25		313.49	0.008247	4.41	112.21	104.37	0.55
TRIB3	1	1053.*	383.15	310.03	312.85		313.15	0.009623	4.81	98.72	86.99	0.60
TRIB3	1	1006.*	382.77	309.59	312.41		312.75	0.010738	5.07	92.57	82.51	0.63
TRIB3	1	959.*	380.34	309.14	312.01		312.33	0.009951	4.93	95.23	81.85	0.61
TRIB3	1	912.*	376.71	308.70	311.76		311.97	0.005976	4.04	115.54	84.01	0.48
TRIB3	1	865	375.49	308.25	311.64		311.75	0.002861	3.05	149.78	86.53	0.34
TRIB3	1	815.*	754.22	307.37	310.51		311.17	0.018779	7.41	126.19	83.13	0.86
TRIB3	1	765.*	754.20	306.49	309.66	309.61	310.33	0.018681	7.57	126.54	83.90	0.86

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB3	1	715.*	754.18	305.60	308.79	308.77	309.49	0.019472	7.87	125.76	86.48	0.88
TRIB3	1	665.*	754.16	304.72	307.91	307.95	308.63	0.020418	8.16	125.34	89.61	0.90
TRIB3	1	615.*	754.13	303.84	306.98	307.06	307.75	0.022740	8.60	122.64	92.82	0.95
TRIB3	1	565	754.10	302.96	306.08	305.90	306.83	0.023023	8.71	128.59	119.76	0.96
TRIB3	1	517.5*	754.99	301.49	305.02	305.39	306.21	0.027271	10.39	106.85	91.57	1.07
TRIB3	1	470.*	755.91	300.02	303.70	304.18	305.22	0.034072	11.87	98.71	90.48	1.20
TRIB3	1	422.5*	756.81	298.54	302.32	302.88	304.13	0.041057	13.12	93.43	89.63	1.31
TRIB3	1	375	757.71	297.07	300.89	301.53	302.32	0.034873	11.89	88.27	66.15	1.19
TRIB3	1	325.*	757.70	295.34	299.23	299.58	300.77	0.034373	12.20	84.78	45.66	1.20
TRIB3	1	275.*	757.70	293.61	297.52	298.02	299.22	0.035845	12.74	81.16	42.79	1.23
TRIB3	1	225.*	757.56	291.89	295.89	296.36	297.58	0.033389	12.73	81.48	41.30	1.20
TRIB3	1	175	757.54	290.16	294.65	294.64	295.74	0.018307	10.43	101.19	44.75	0.92
TRIB2B	1	2970	142.37	471.17	472.70	472.76	472.99	0.023731	5.19	39.74	95.97	0.98
TRIB2B	1	2921.25*	142.37	469.71	471.42	471.65	472.00	0.032380	6.52	28.76	70.72	1.16
TRIB2B	1	2872.5*	142.36	468.26	470.03	470.21	470.57	0.029095	6.34	28.90	67.22	1.11
TRIB2B	1	2823.75*	142.35	466.80	468.53	468.74	469.19	0.036137	6.86	26.36	63.49	1.23
TRIB2B	1	2775	142.35	465.34	467.10	467.27	467.65	0.031097	6.45	28.80	63.24	1.14
TRIB2B	1	2733.75*	143.28	464.10	465.98	466.32	466.73	0.031554	7.04	21.65	25.85	1.17
TRIB2B	1	2692.5*	144.21	462.86	464.80	464.99	465.59	0.031435	7.24	21.02	22.96	1.18
TRIB2B	1	2651.25*	145.14	461.63	463.61	463.81	464.47	0.032223	7.52	20.35	21.22	1.20
TRIB2B	1	2610	146.06	460.39	462.50	462.66	463.31	0.027032	7.35	21.26	20.68	1.11
TRIB2B	1	2565.*	147.06	459.32	461.34	461.49	462.12	0.026801	7.22	21.82	21.68	1.11
TRIB2B	1	2520.*	148.07	458.24	460.15	460.33	460.96	0.029995	7.37	21.49	22.43	1.16
TRIB2B	1	2475.*	149.07	457.17	458.98	459.18	459.80	0.031336	7.36	21.73	23.58	1.19
TRIB2B	1	2430.*	150.08	456.09	457.81	458.01	458.64	0.034482	7.47	21.62	24.94	1.23
TRIB2B	1	2385.*	151.09	455.02	456.76	456.88	457.41	0.025541	6.68	25.01	28.84	1.07
TRIB2B	1	2340	152.09	453.94	455.48	455.73	456.32	0.039879	7.57	22.12	29.52	1.31
TRIB2B	1	2291.87*	153.17	452.05	453.72	454.01	454.72	0.044611	8.13	19.89	23.54	1.39
TRIB2B	1	2243.75*	154.25	450.16	451.96	452.29	453.08	0.047474	8.54	18.72	20.44	1.43
TRIB2B	1	2195.63*	155.33	448.26	450.23	450.57	451.40	0.046238	8.73	18.28	18.40	1.42
TRIB2B	1	2147.51*	156.41	446.37	448.48	448.86	449.77	0.048799	9.13	17.45	16.52	1.46
TRIB2B	1	2099.39	157.49	444.48	447.18	447.16	447.90	0.017850	6.89	24.07	17.89	0.93
TRIB2B	1	2049.51*	158.60	443.84	446.38	446.35	447.04	0.017312	6.63	25.44	20.43	0.91
TRIB2B	1	1999.63*	159.72	443.19	445.59	445.55	446.19	0.016579	6.35	27.16	23.76	0.89
TRIB2B	1	1949.75*	160.84	442.55	444.77	444.77	445.34	0.016869	6.19	28.62	28.22	0.90
TRIB2B	1	1899.87*	161.95	441.90	443.95	444.00	444.49	0.017882	6.10	30.38	36.33	0.92
TRIB2B	1	1850	163.07	441.26	442.96	443.15	443.66	0.031018	7.00	27.17	40.73	1.17
TRIB2B	1	1804.*	164.11	440.14	441.88	442.08	442.61	0.033132	6.95	25.60	38.20	1.20
TRIB2B	1	1758.*	165.14	439.01	440.77	440.97	441.50	0.035699	6.87	24.57	32.79	1.22
TRIB2B	1	1712.*	166.18	437.89	439.66	439.82	440.36	0.037154	6.73	24.72	27.90	1.24
TRIB2B	1	1666.*	167.22	436.76	438.52	438.68	439.22	0.037881	6.73	24.84	27.37	1.25
TRIB2B	1	1620	168.25	435.64	437.46	437.53	438.04	0.029420	6.12	27.47	28.85	1.11
TRIB2B	1	1574.27*	168.26	434.66	436.54	436.59	437.11	0.027845	6.07	27.74	28.36	1.08
TRIB2B	1	1528.55*	168.25	433.68	435.64	435.66	436.18	0.025154	5.90	28.52	28.15	1.03
TRIB2B	1	1482.82*	168.25	432.70	434.75	434.72	435.25	0.022289	5.68	29.61	28.24	0.98
TRIB2B	1	1437.10*	168.25	431.73	433.82	433.78	434.32	0.021724	5.68	29.61	27.70	0.97
TRIB2B	1	1391.37*	168.24	430.75	432.85	432.84	433.39	0.023457	5.89	28.55	26.76	1.01
TRIB2B	1	1345.65*	168.24	429.77	431.87	431.90	432.45	0.025741	6.15	27.35	25.75	1.05
TRIB2B	1	1299.93	168.21	428.79	430.98	430.98	431.51	0.021179	5.86	29.24	34.80	0.96
TRIB2	1	8784.93	60.52	488.65	489.90	490.04	490.47	0.043472	6.10	10.09	15.67	1.28
TRIB2	1	8736.62*	60.51	487.01	488.29	488.40	488.83	0.037929	5.88	10.41	15.36	1.20
TRIB2	1	8688.31*	60.52	485.36	486.60	486.76	487.21	0.047352	6.31	9.69	15.25	1.33
TRIB2	1	8640	60.51	483.72	485.01	485.10	485.50	0.032678	5.62	11.09	17.01	1.12
TRIB2	1	8593.75*	61.75	482.59	483.83	483.87	484.26	0.028501	5.27	11.98	17.66	1.05
TRIB2	1	8547.5*	63.04	481.46	482.58	482.64	483.03	0.033227	5.41	11.81	18.02	1.12
TRIB2	1	8501.25*	64.39	480.32	481.72		481.90	0.008151	3.44	19.55	22.52	0.59
TRIB2	1	8455	65.76	479.19	480.02	480.22	480.67	0.067396	6.43	10.23	18.91	1.53
TRIB2	1	8409.*	66.87	476.28	477.26	477.44	477.91	0.059022	6.50	10.30	17.24	1.46
TRIB2	1	8363.*	68.01	473.37	474.43	474.69	475.29	0.076573	7.43	9.15	14.96	1.66
TRIB2	1	8317.*	69.14	470.45	471.70	471.95	472.56	0.062140	7.43	9.34	13.57	1.53
TRIB2	1	8271.*	70.28	467.54	468.86	469.29	470.14	0.096341	9.10	7.74	11.17	1.89
TRIB2	1	8225	71.41	464.63	466.37	466.60	467.25	0.040200	7.54	9.81	19.25	1.29
TRIB2	1	8182.5*	72.72	463.14	464.87	465.09	465.71	0.039029	7.40	10.18	11.80	1.27
TRIB2	1	8140.*	74.03	461.66	463.38	463.57	464.16	0.035939	7.14	10.77	12.49	1.22
TRIB2	1	8097.5*	75.34	460.17	461.86	462.05	462.64	0.037631	7.17	10.89	12.92	1.25
TRIB2	1	8055.*	76.66	458.68	460.37	460.54	461.10	0.034146	6.89	11.57	13.73	1.19
TRIB2	1	8012.5*	77.97	457.20	458.80	459.03	459.62	0.042580	7.31	11.00	13.81	1.32
TRIB2	1	7970	79.28	455.71	457.46	457.52	458.02	0.024304	6.09	13.77	15.94	1.02
TRIB2	1	7925.02*	80.69	454.76	456.46	456.51	456.99	0.024145	5.95	14.29	16.99	1.01
TRIB2	1	7880.04*	82.09	453.81	455.46	455.50	455.97	0.023995	5.82	14.82	18.07	1.01
TRIB2	1	7835.06*	83.49	452.86	454.47	454.50	454.96	0.023510	5.68	15.43	19.22	1.00
TRIB2	1	7790.08*	84.90	451.91	453.47	453.50	453.95	0.024463	5.65	15.71	20.17	1.01
TRIB2	1	7745.10*	86.31	450.96	452.57	452.51	452.95	0.017686	5.02	18.20	22.57	0.87
TRIB2	1	7700.13	87.72	450.01	451.38	451.53	451.99	0.038253	6.29	14.31	20.84	1.23
TRIB2	1	7653.10*	89.20	448.23	449.71	449.85	450.34	0.036772	6.42	14.19	18.95	1.22

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	7606.07*	90.68	446.44	448.01	448.17	448.72	0.039918	6.79	13.55	17.18	1.27
TRIB2	1	7559.05*	92.16	444.66	446.31	446.51	447.11	0.042340	7.15	13.04	15.75	1.31
TRIB2	1	7512.02*	93.64	442.87	444.59	444.86	445.54	0.050290	7.80	12.10	14.21	1.42
TRIB2	1	7465	95.12	441.09	443.36		443.82	0.014451	5.51	18.23	16.38	0.81
TRIB2	1	7421.*	96.51	440.56	442.72	442.65	443.22	0.016058	5.75	18.10	17.50	0.86
TRIB2	1	7377.*	97.91	440.04	442.08	442.07	442.60	0.017965	5.99	18.12	19.13	0.91
TRIB2	1	7333.*	99.31	439.51	441.42	441.47	441.96	0.019868	6.17	18.53	21.56	0.95
TRIB2	1	7289.*	100.71	438.99	440.81	440.81	441.27	0.018069	5.89	21.03	26.57	0.91
TRIB2	1	7245	102.11	438.46	439.99	440.10	440.49	0.026182	6.36	21.33	34.82	1.07
TRIB2	1	7198.57*	102.10	437.31	438.89	439.11	439.54	0.031093	6.93	17.99	27.58	1.16
TRIB2	1	7152.14*	102.10	436.16	437.78	437.95	438.47	0.031720	6.97	16.87	23.28	1.17
TRIB2	1	7105.71*	102.10	435.01	436.66	436.84	437.36	0.031722	6.92	16.34	21.50	1.17
TRIB2	1	7059.28*	102.09	433.85	435.54	435.70	436.23	0.031260	6.81	16.13	20.40	1.16
TRIB2	1	7012.85*	102.09	432.70	434.42	434.56	435.09	0.030137	6.64	16.18	19.63	1.13
TRIB2	1	6966.42*	102.09	431.55	433.29	433.41	433.94	0.029657	6.50	16.22	18.97	1.12
TRIB2	1	6920	102.09	430.40	432.34	432.26	432.78	0.017030	5.39	19.69	20.28	0.87
TRIB2	1	6870.93*	102.09	429.57	431.51	431.44	431.96	0.018058	5.44	19.35	20.19	0.89
TRIB2	1	6821.87*	102.09	428.74	430.67	430.62	431.14	0.019313	5.51	18.96	19.88	0.91
TRIB2	1	6772.81*	102.08	427.91	429.84	429.80	430.32	0.020900	5.59	18.54	19.54	0.94
TRIB2	1	6723.74*	102.08	427.08	429.01	428.98	429.50	0.021915	5.62	18.34	19.29	0.96
TRIB2	1	6674.68*	102.08	426.25	428.27		428.69	0.017550	5.21	19.84	20.18	0.87
TRIB2	1	6625.62*	101.87	425.42	427.93		428.12	0.005117	3.53	30.95	27.59	0.50
TRIB2	1	6576.56	101.71	424.59	427.89		427.95	0.001081	2.11	57.43	40.66	0.24
TRIB2	2	6527.5	269.83	423.76	426.61	426.66	427.37	0.019441	7.11	40.22	33.38	0.98
TRIB2	2	6478.43*	269.82	422.93	425.79	425.84	426.56	0.019575	7.12	39.93	33.20	0.98
TRIB2	2	6429.37*	269.81	422.10	424.97	425.03	425.75	0.019593	7.11	39.74	33.06	0.98
TRIB2	2	6380.31*	269.80	421.27	424.16	424.21	424.94	0.019785	7.12	39.38	32.67	0.98
TRIB2	2	6331.25*	269.80	420.44	423.34	423.38	424.12	0.019984	7.13	39.04	32.00	0.99
TRIB2	2	6282.18*	269.80	419.61	422.52	422.56	423.31	0.020229	7.14	38.68	31.30	0.99
TRIB2	2	6233.12*	269.79	418.78	421.70	421.74	422.49	0.020393	7.14	38.42	30.40	0.99
TRIB2	2	6184.06*	269.79	417.95	420.88	420.91	421.68	0.020715	7.16	38.06	29.09	1.00
TRIB2	2	6135	269.78	417.12	420.07	420.08	420.86	0.020507	7.12	38.11	28.07	0.99
TRIB2	2	6087.5*	269.77	416.36	419.30	419.32	420.09	0.020159	7.13	38.28	29.35	0.99
TRIB2	2	6040.*	269.76	415.60	418.52	418.55	419.31	0.019904	7.16	38.49	30.68	0.99
TRIB2	2	5992.5*	269.75	414.84	417.74	417.79	418.53	0.019799	7.19	38.69	31.93	0.99
TRIB2	2	5945.*	269.75	414.08	416.95	417.03	417.75	0.019932	7.25	38.87	33.21	0.99
TRIB2	2	5897.5*	269.75	413.33	416.15	416.25	416.96	0.019972	7.29	39.30	34.85	0.99
TRIB2	2	5850.*	269.75	412.57	415.35	415.48	416.17	0.020163	7.33	39.89	37.04	1.00
TRIB2	2	5802.5*	269.74	411.81	414.50	414.70	415.37	0.022699	7.62	39.04	38.76	1.05
TRIB2	2	5755	269.74	411.05	413.64	413.80	414.56	0.025569	7.90	38.65	102.65	1.11
TRIB2	2	5708.12*	271.80	410.28	412.87	413.07	413.50	0.020254	7.01	55.64	102.60	0.99
TRIB2	2	5661.25*	273.85	409.51	412.11	412.35	412.81	0.021464	7.24	53.69	102.60	1.02
TRIB2	2	5614.37*	275.88	408.74	411.35	411.62	412.08	0.022386	7.41	51.53	95.82	1.04
TRIB2	2	5567.5*	277.95	407.97	410.59	410.87	411.33	0.022756	7.47	50.98	87.60	1.05
TRIB2	2	5520.62*	280.02	407.20	409.82	410.13	410.56	0.022878	7.49	50.98	86.29	1.05
TRIB2	2	5473.75*	282.08	406.43	409.05	409.31	409.82	0.023983	7.64	50.99	85.55	1.08
TRIB2	2	5426.87*	284.14	405.66	408.29	408.51	409.01	0.022913	7.48	52.80	83.31	1.05
TRIB2	2	5380	286.19	404.89	407.60	407.74	408.15	0.017276	6.71	60.72	85.57	0.92
TRIB2	2	5330.38*	288.35	404.21	406.94	407.16	407.58	0.017884	6.99	54.47	71.31	0.94
TRIB2	2	5280.76*	290.52	403.53	406.28	406.44	406.99	0.018016	7.17	51.05	63.55	0.95
TRIB2	2	5231.15*	292.70	402.85	405.60	405.79	406.35	0.017809	7.23	48.40	57.45	0.95
TRIB2	2	5181.53*	294.88	402.17	404.91	405.01	405.65	0.017205	7.15	47.38	44.77	0.94
TRIB2	2	5131.92*	297.06	401.49	404.20	404.26	404.92	0.016609	7.05	48.38	43.91	0.92
TRIB2	2	5082.30*	299.23	400.81	403.48	403.53	404.19	0.016338	6.99	49.13	44.31	0.91
TRIB2	2	5032.69*	301.41	400.12	402.76	402.81	403.46	0.016025	6.92	49.96	44.87	0.91
TRIB2	2	4983.07*	303.58	399.44	402.05	402.08	402.73	0.015787	6.86	50.85	45.92	0.90
TRIB2	2	4933.46*	305.75	398.76	401.33	401.37	402.00	0.015398	6.78	51.97	47.20	0.89
TRIB2	2	4883.84*	307.92	398.08	400.62	400.65	401.27	0.015022	6.70	53.15	48.60	0.88
TRIB2	2	4834.23*	310.10	397.40	399.89	399.92	400.54	0.015242	6.71	53.56	51.29	0.88
TRIB2	2	4784.61*	312.27	396.72	399.14	399.22	399.81	0.016081	6.80	53.45	58.15	0.90
TRIB2	2	4735	314.45	396.04	398.40	398.47	399.07	0.016633	6.84	54.42	65.10	0.92
TRIB2	2	4689.09*	316.46	395.29	397.71	397.76	398.37	0.015938	6.77	55.29	64.98	0.90
TRIB2	2	4643.18*	318.46	394.53	397.01	396.97	397.66	0.015700	6.76	55.43	61.81	0.90
TRIB2	2	4597.27*	320.47	393.78	396.29	396.23	396.96	0.015968	6.82	54.96	59.09	0.90
TRIB2	2	4551.36*	322.47	393.03	395.57	395.51	396.26	0.016465	6.92	54.09	54.63	0.92
TRIB2	2	4505.45*	324.47	392.27	394.84	394.79	395.55	0.016990	7.01	53.42	50.36	0.93
TRIB2	2	4459.54*	326.46	391.52	394.12	394.06	394.84	0.017359	7.09	52.95	49.35	0.94
TRIB2	2	4413.63*	328.47	390.76	393.40	393.49	394.14	0.017682	7.15	52.62	48.64	0.95
TRIB2	2	4367.72*	330.48	390.01	392.68	392.75	393.43	0.017928	7.21	52.37	48.15	0.95
TRIB2	2	4321.81*	332.49	389.26	391.96	392.05	392.72	0.018081	7.26	52.21	47.61	0.96
TRIB2	2	4275.90*	334.50	388.50	391.27	391.34	392.01	0.016942	7.13	53.63	48.31	0.93
TRIB2	2	4230	336.50	387.75	390.30	390.62	391.39	0.029484	8.55	42.74	38.23	1.20
TRIB2	2	4184.*	338.53	386.46	389.01	389.33	390.13	0.029420	8.64	42.47	37.55	1.20
TRIB2	2	4138.*	340.56	385.17	387.73	388.06	388.85	0.029368	8.72	42.59	37.86	1.20
TRIB2	2	4092.*	342.59	383.88	386.43	386.70	387.58	0.029488	8.82	43.02	39.99	1.21

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	4046.*	344.62	382.59	385.14	385.49	386.29	0.029528	8.89	43.71	42.24	1.21
TRIB2	2	4000.*	346.65	381.30	383.84	384.21	384.99	0.029293	8.91	45.03	45.59	1.21
TRIB2	2	3954.*	348.68	380.01	382.54	382.88	383.66	0.029154	8.92	46.88	50.61	1.21
TRIB2	2	3908.*	350.59	378.72	381.20	381.50	382.30	0.030051	8.96	47.97	51.08	1.23
TRIB2	2	3862.*	340.14	377.43	379.95	380.10	380.77	0.022669	7.96	53.54	51.77	1.07
TRIB2	2	3816.*	337.95	376.14	379.33		379.59	0.005113	4.74	100.51	79.98	0.54
TRIB2	2	3770	339.67	374.85	379.34		379.37	0.000553	2.08	278.11	176.12	0.19
TRIB2	2	3722.5*	339.42	373.88	379.33		379.35	0.000282	1.69	332.59	173.24	0.14
TRIB2	2	3675.*	339.16	372.92	379.32		379.34	0.000130	1.28	415.47	165.07	0.10
TRIB2	2	3627.5*	338.88	371.95	379.32		379.33	0.000066	1.00	524.31	177.16	0.07
TRIB2	2	3580	338.58	370.98	379.33		379.33	0.000035	0.79	672.16	204.04	0.05
TRIB2	2	3500	Culvert									
TRIB2	2	3490	338.58	369.21	373.59		374.27	0.009690	6.69	52.66	24.29	0.72
TRIB2	2	3442.*	338.57	369.13	373.19		373.83	0.009161	6.49	54.85	26.68	0.71
TRIB2	2	3394.*	338.56	369.06	372.75		373.38	0.009474	6.46	55.85	29.62	0.72
TRIB2	2	3346.*	338.56	368.98	372.33		372.94	0.009835	6.40	57.56	34.08	0.74
TRIB2	2	3298.*	338.54	368.91	371.89		372.49	0.010835	6.43	59.38	41.12	0.77
TRIB2	2	3250	338.54	368.83	371.26	371.33	371.98	0.017139	7.16	55.45	49.23	0.94
TRIB2	2	3203.*	339.19	367.92	370.48	370.56	371.26	0.018085	7.35	52.70	44.13	0.97
TRIB2	2	3156.*	339.84	367.02	369.72	369.78	370.50	0.017939	7.36	52.28	42.08	0.96
TRIB2	2	3109.*	340.50	366.11	368.98	369.03	369.74	0.017067	7.26	53.14	41.95	0.94
TRIB2	2	3062.*	341.15	365.21	368.23	368.28	368.98	0.016756	7.23	53.62	42.54	0.93
TRIB2	2	3015	341.80	364.30	367.52	367.52	368.21	0.015014	6.99	56.23	44.54	0.88
TRIB2	2	2970.*	342.43	363.86	366.92	366.85	367.58	0.014110	6.74	56.67	45.51	0.86
TRIB2	2	2925.*	343.05	363.41	366.34	366.25	366.98	0.013817	6.53	57.39	48.21	0.85
TRIB2	2	2880	343.67	362.97	365.79	365.63	366.35	0.013147	6.18	61.54	51.21	0.82
TRIB2	2	2834.83*	344.30	362.40	365.21	365.25	365.82	0.014277	6.52	61.74	65.50	0.86
TRIB2	2	2789.67*	344.92	361.84	364.57	364.64	365.20	0.015739	6.77	62.67	63.30	0.90
TRIB2	2	2744.50*	345.55	361.27	363.95	363.98	364.52	0.015771	6.70	65.12	61.27	0.89
TRIB2	2	2699.34	346.17	360.70	363.57		363.89	0.008642	5.32	82.39	62.70	0.67
TRIB2	2	2653.25*	346.80	360.07	362.97	363.01	363.59	0.014653	7.08	64.49	58.05	0.88
TRIB2	2	2607.17*	347.43	359.45	362.29	362.37	363.15	0.019755	8.19	54.85	51.07	1.02
TRIB2	2	2561.08*	348.06	358.82	361.44	361.66	362.24	0.023563	8.41	59.27	66.76	1.09
TRIB2	2	2515	348.68	358.19	360.83		361.05	0.007062	4.70	96.69	71.51	0.60
TRIB2	2	2473.*	349.25	357.48	360.39	360.65	361.29	0.019903	8.52	58.32	65.36	1.03
TRIB2	2	2431.*	349.83	356.78	359.71	359.89	360.73	0.020368	8.63	48.29	35.76	1.05
TRIB2	2	2389.*	350.40	356.07	358.94	359.15	359.99	0.021325	8.60	46.96	34.88	1.06
TRIB2	2	2347.*	350.98	355.37	358.18	358.32	359.11	0.019652	8.10	50.01	38.10	1.02
TRIB2	2	2305	351.56	354.66	357.60		358.17	0.011792	6.54	65.33	49.95	0.79
TRIB2	2	2263.33*	352.12	354.11	357.13	357.01	357.74	0.012209	6.65	62.31	45.71	0.81
TRIB2	2	2221.66*	352.68	353.55	356.68		357.29	0.011806	6.58	61.89	44.11	0.80
TRIB2	2	2180	353.24	353.00	356.32		356.85	0.009513	6.11	66.65	45.75	0.72
TRIB2	2	2138.*	353.81	352.65	355.92		356.47	0.010012	6.26	65.05	45.00	0.74
TRIB2	2	2096.*	354.38	352.30	355.50		356.09	0.010718	6.43	63.35	44.53	0.77
TRIB2	2	2054.*	354.95	351.96	355.05	354.93	355.69	0.011985	6.69	61.06	44.34	0.81
TRIB2	2	2012.*	355.52	351.61	354.57	354.53	355.26	0.013670	6.96	59.25	45.44	0.86
TRIB2	2	1970	356.09	351.26	354.10	354.20	354.74	0.014062	6.89	66.48	68.91	0.86
TRIB2	2	1928.*	356.66	350.82	353.64	353.76	354.28	0.014365	6.90	67.56	73.53	0.87
TRIB2	2	1886.*	357.23	350.39	353.19	353.20	353.80	0.014119	6.80	68.85	71.88	0.86
TRIB2	2	1844.*	357.80	349.95	352.76	352.73	353.32	0.013524	6.64	71.23	73.25	0.84
TRIB2	2	1802.*	358.34	349.52	352.38	352.24	352.85	0.011150	6.15	78.72	78.62	0.76
TRIB2	2	1760	358.90	349.08	352.15		352.46	0.006813	5.13	99.73	95.30	0.61
TRIB2	2	1716.*	351.37	348.40	351.65		352.15	0.009102	6.11	70.97	52.62	0.71
TRIB2	2	1672.*	351.82	347.71	351.08	350.93	351.76	0.011361	6.90	59.00	39.67	0.79
TRIB2	2	1628.*	360.67	347.03	350.49	350.42	351.32	0.013425	7.55	53.80	32.98	0.86
TRIB2	2	1584.*	361.27	346.34	349.87	349.91	350.80	0.015278	8.03	50.96	31.71	0.92
TRIB2	2	1540	361.86	345.66	349.06	349.37	350.31	0.023209	9.33	44.39	31.35	1.11
TRIB2	2	1490.*	362.53	344.89	348.01	348.21	349.06	0.022472	8.43	46.98	34.96	1.08
TRIB2	2	1440.*	363.19	344.12	347.05	347.17	347.94	0.021539	7.69	50.23	39.47	1.04
TRIB2	2	1390.*	363.86	343.35	346.14	346.23	346.91	0.020851	7.12	53.73	45.73	1.01
TRIB2	2	1340	364.52	342.58	345.25	345.33	345.92	0.020539	6.65	58.88	59.45	0.99
TRIB2	2	1298.75*	364.51	341.95	344.56	344.56	345.15	0.017043	6.27	62.66	60.14	0.91
TRIB2	2	1257.5*	363.55	341.33	344.09		344.46	0.008791	5.07	79.91	65.77	0.67
TRIB2	2	1216.25*	363.38	340.70	344.05		344.19	0.002314	3.27	132.37	82.02	0.37
TRIB2	2	1175	363.86	340.08	344.05		344.12	0.000759	2.24	202.85	98.38	0.22
TRIB2	2	1125.*	363.85	339.49	344.05		344.08	0.000377	1.76	262.77	107.00	0.16
TRIB2	2	1075.*	363.83	338.89	344.04		344.07	0.000204	1.43	329.36	115.56	0.12
TRIB2	2	1025	363.81	338.30	344.04		344.06	0.000120	1.19	399.73	123.84	0.09
TRIB1	1	15010	85.78	485.17	486.56	486.73	487.16	0.039540	6.20	14.06	21.70	1.24
TRIB1	1	14964.*	85.78	483.66	484.88	485.01	485.42	0.043431	5.91	14.68	24.75	1.27
TRIB1	1	14918.*	85.78	482.16	483.25	483.34	483.69	0.038182	5.32	16.38	29.48	1.18
TRIB1	1	14872.*	85.78	480.65	481.57	481.68	482.03	0.051451	5.50	15.79	32.60	1.33
TRIB1	1	14826.*	85.78	479.15	479.96	480.04	480.34	0.043990	4.98	17.51	37.20	1.23
TRIB1	1	14780	85.78	477.64	478.28	478.40	478.73	0.066879	5.41	16.10	40.46	1.47
TRIB1	1	14731.6*	87.61	475.53	476.39	476.50	476.83	0.055387	5.34	16.56	36.36	1.36

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	14683.3*	89.44	473.42	474.49	474.59	474.93	0.045567	5.35	16.78	31.49	1.26
TRIB1	1	14635.*	91.27	471.32	472.56	472.67	473.05	0.044611	5.63	16.22	26.57	1.27
TRIB1	1	14586.6*	93.10	469.21	470.57	470.74	471.20	0.051873	6.35	14.67	22.40	1.38
TRIB1	1	14538.3*	94.93	467.10	468.75	468.81	469.25	0.031294	5.67	16.73	20.58	1.11
TRIB1	1	14490	96.76	464.99	466.56	466.87	467.56	0.065775	8.02	12.06	15.29	1.59
TRIB1	1	14445.*	98.44	462.39	463.98	464.24	464.87	0.056245	7.55	13.04	16.12	1.48
TRIB1	1	14400.*	100.12	459.80	461.28	461.62	462.35	0.072663	8.29	12.08	15.77	1.67
TRIB1	1	14355.*	101.80	457.20	458.77	458.98	459.54	0.047677	7.07	14.41	17.42	1.37
TRIB1	1	14310.*	103.48	454.61	455.98	456.34	457.12	0.080736	8.55	12.10	16.36	1.75
TRIB1	1	14265	105.16	452.01	453.65	453.68	454.18	0.026657	5.83	18.13	20.37	1.05
TRIB1	1	14217.5*	119.71	450.79	452.48	452.54	453.06	0.026863	6.09	19.94	22.29	1.07
TRIB1	1	14170.*	121.50	449.57	451.26	451.32	451.82	0.027046	6.07	20.41	23.66	1.07
TRIB1	1	14122.5*	123.30	448.36	449.99	450.10	450.60	0.031537	6.33	19.92	24.77	1.15
TRIB1	1	14075.*	125.09	447.14	448.73	448.88	449.37	0.033961	6.44	20.02	26.51	1.18
TRIB1	1	14027.5*	126.88	445.92	447.48	447.67	448.14	0.037335	6.59	20.17	30.03	1.23
TRIB1	1	13980	128.67	444.70	446.25	446.40	446.84	0.034767	6.32	22.75	39.92	1.19
TRIB1	1	13930.*	130.53	443.38	445.05	445.23	445.70	0.035921	6.55	21.53	36.58	1.21
TRIB1	1	13880.*	132.39	442.05	443.91	444.03	444.49	0.028166	6.18	22.89	33.87	1.09
TRIB1	1	13830.*	134.25	440.73	442.70	442.83	443.32	0.028594	6.32	22.16	30.00	1.10
TRIB1	1	13780.*	136.11	439.41	441.49	441.61	442.13	0.027998	6.44	21.67	26.17	1.09
TRIB1	1	13730.*	137.97	438.08	440.29	440.40	440.94	0.026375	6.44	21.70	23.28	1.07
TRIB1	1	13680	139.84	436.76	439.08	439.14	439.74	0.025591	6.50	21.63	20.80	1.05
TRIB1	1	13635.8*	141.49	435.83	438.08	438.10	438.67	0.025301	6.21	22.80	21.28	1.04
TRIB1	1	13591.6*	143.14	434.89	437.08	437.09	437.64	0.025070	5.98	23.94	22.71	1.03
TRIB1	1	13547.5*	144.79	433.96	436.11	436.10	436.63	0.024538	5.76	25.16	24.91	1.01
TRIB1	1	13503.3*	146.44	433.03	435.15	435.13	435.63	0.024058	5.56	26.36	27.13	0.99
TRIB1	1	13459.1*	148.09	432.09	434.18	434.17	434.65	0.025027	5.47	27.05	29.28	1.00
TRIB1	1	13415	149.74	431.16	433.31		433.69	0.019342	4.90	30.59	32.30	0.89
TRIB1	1	13367.*	149.73	430.40	432.52		432.87	0.018583	4.73	31.66	34.80	0.87
TRIB1	1	13319.*	149.72	429.63	431.69	431.62	432.04	0.020188	4.73	32.09	50.33	0.90
TRIB1	1	13271.*	149.71	428.87	431.00		431.21	0.011549	3.80	44.78	75.88	0.69
TRIB1	1	13223.*	149.69	428.10	430.75		430.76	0.000447	1.00	182.22	159.29	0.15
TRIB1	1	13175	149.67	427.34	430.75		430.75	0.000048	0.44	360.21	167.16	0.05
TRIB1	1	13100	Culvert									
TRIB1	1	13085	149.67	425.97	427.54	427.53	427.73	0.028030	4.37	47.44	127.76	1.00
TRIB1	1	13041.2*	149.65	425.44	426.81	426.96	427.25	0.048214	5.66	33.45	135.87	1.31
TRIB1	1	12997.5*	149.63	424.91	426.08	426.19	426.40	0.029901	4.67	36.37	105.37	1.04
TRIB1	1	12953.7*	149.62	424.38	425.27	425.29	425.52	0.026212	4.19	40.58	104.49	0.97
TRIB1	1	12910	149.62	423.85	424.48		424.66	0.020270	3.59	47.83	115.21	0.85
TRIB1	1	12866.6*	149.61	423.14	423.80		423.98	0.020319	3.62	47.37	110.83	0.85
TRIB1	1	12823.3*	149.60	422.43	423.11		423.30	0.021190	3.70	46.43	107.91	0.87
TRIB1	1	12780.*	149.59	421.73	422.44		422.62	0.020201	3.68	46.96	106.66	0.85
TRIB1	1	12736.6*	149.58	421.02	421.74	421.73	421.94	0.022687	3.86	44.98	104.71	0.90
TRIB1	1	12693.3*	149.56	420.31	421.10		421.27	0.017838	3.60	48.72	105.87	0.81
TRIB1	1	12650	149.57	419.60	420.33	420.38	420.60	0.032283	4.44	39.59	101.05	1.06
TRIB1	1	12607.5*	151.95	418.64	419.41	419.46	419.71	0.030680	4.63	38.22	92.23	1.05
TRIB1	1	12565.*	154.33	417.67	418.49	418.52	418.79	0.027526	4.67	37.86	80.21	1.01
TRIB1	1	12522.5*	156.73	416.71	417.55	417.57	417.87	0.026133	4.75	37.47	71.58	1.00
TRIB1	1	12480.*	159.13	415.75	416.63	416.63	416.94	0.023462	4.76	38.03	66.05	0.96
TRIB1	1	12437.5*	161.51	414.78	415.68	415.70	416.03	0.024639	5.02	36.65	60.97	0.99
TRIB1	1	12395	163.93	413.82	415.01		415.20	0.008779	3.74	52.26	67.15	0.62
TRIB1	1	12345.*	231.27	413.04	414.23	414.18	414.58	0.017021	5.21	53.78	71.00	0.87
TRIB1	1	12295.*	234.28	412.26	413.43	413.39	413.78	0.017443	5.24	54.93	74.58	0.88
TRIB1	1	12245.*	237.29	411.49	412.64	412.59	412.98	0.017190	5.20	57.46	81.21	0.87
TRIB1	1	12195.*	240.32	410.71	411.81	411.79	412.16	0.019179	5.34	57.66	86.61	0.92
TRIB1	1	12145	243.35	409.93	411.09		411.33	0.012760	4.54	69.62	94.50	0.75
TRIB1	1	12097.*	246.16	409.14	410.44		410.77	0.014957	5.06	60.07	78.12	0.82
TRIB1	1	12049.*	248.96	408.35	409.76	409.71	410.14	0.015875	5.27	55.28	67.55	0.85
TRIB1	1	12001.*	251.80	407.57	409.06	409.02	409.48	0.016651	5.38	52.26	60.60	0.87
TRIB1	1	11953.*	254.63	406.78	408.35	408.30	408.78	0.016814	5.39	50.83	56.40	0.87
TRIB1	1	11905	257.46	405.99	407.79		408.11	0.010647	4.64	59.09	57.55	0.71
TRIB1	1	11855.*	260.44	405.57	407.28		407.60	0.010841	4.67	61.03	62.08	0.71
TRIB1	1	11805.*	263.48	405.15	406.77		407.08	0.011119	4.68	63.29	67.10	0.72
TRIB1	1	11755.*	266.52	404.74	406.23		406.54	0.011578	4.69	65.66	72.92	0.73
TRIB1	1	11705.*	269.54	404.32	405.67		405.97	0.012328	4.71	67.96	79.68	0.75
TRIB1	1	11655	272.54	403.90	405.26		405.46	0.007910	3.96	85.21	94.75	0.61
TRIB1	1	11608.9*	275.31	403.47	404.85		405.08	0.009011	4.23	78.75	86.00	0.65
TRIB1	1	11562.9*	278.08	403.03	404.42		404.66	0.009632	4.35	77.20	85.39	0.67
TRIB1	1	11516.9*	280.84	402.60	403.99		404.23	0.009523	4.32	79.78	91.24	0.67
TRIB1	1	11470.9*	283.59	402.16	403.44		403.73	0.013444	4.77	74.33	99.03	0.78
TRIB1	1	11424.96	286.32	401.73	403.12		403.25	0.006255	3.44	120.90	182.98	0.54
TRIB1	1	11378.9*	289.03	401.36	402.77		402.95	0.007779	3.90	102.32	149.29	0.60
TRIB1	1	11332.9*	291.73	400.99	402.39		402.58	0.007926	3.95	92.05	104.33	0.61
TRIB1	1	11286.9*	294.42	400.61	402.00		402.21	0.008400	4.05	87.78	94.49	0.63
TRIB1	1	11240.9*	297.16	400.24	401.60		401.82	0.008671	4.10	86.47	91.55	0.64

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	11195	299.90	399.87	401.10		401.36	0.011774	4.47	79.88	93.07	0.73
TRIB1	1	11153.3*	302.57	399.24	400.50		400.82	0.014256	5.05	73.70	89.49	0.81
TRIB1	1	11111.6*	305.24	398.60	399.89	399.97	400.27	0.016797	5.61	78.75	143.46	0.88
TRIB1	1	11070	307.88	397.97	399.63		399.69	0.002595	2.63	172.39	176.90	0.36
TRIB1	1	11023.7*	310.48	397.46	399.20		399.50	0.009238	4.89	79.93	79.46	0.68
TRIB1	1	10977.5*	313.09	396.96	398.73		399.08	0.010383	5.00	72.39	66.90	0.71
TRIB1	1	10931.2*	315.70	396.45	398.28		398.62	0.010574	4.88	71.60	66.40	0.72
TRIB1	1	10884.9*	318.29	395.95	397.82		398.16	0.010616	4.73	72.12	66.97	0.71
TRIB1	1	10838.7*	320.93	395.44	397.38		397.69	0.010506	4.56	73.56	68.60	0.70
TRIB1	1	10792.4*	323.56	394.93	396.93		397.23	0.010475	4.42	75.10	69.90	0.69
TRIB1	1	10746.2*	326.06	394.43	396.52		396.79	0.009504	4.16	79.28	71.50	0.66
TRIB1	1	10699.98	328.38	393.92	396.27		396.46	0.005862	3.49	95.06	78.04	0.53
TRIB1	1	10655.9*	330.93	393.56	396.12		396.26	0.003582	3.02	113.66	90.34	0.42
TRIB1	1	10611.9*	333.94	393.20	396.05		396.14	0.001929	2.50	148.21	120.48	0.32
TRIB1	1	10567.9*	336.37	392.84	396.02		396.07	0.000943	1.96	213.41	177.23	0.23
TRIB1	1	10524.*	339.41	392.48	396.01		396.04	0.000402	1.42	320.98	218.31	0.15
TRIB1	1	10480	342.45	392.12	396.01		396.02	0.000181	1.04	443.98	238.14	0.11
TRIB1	1	10436.0*	342.44	391.44	396.00		396.01	0.000098	0.87	535.19	235.75	0.08
TRIB1	1	10392.0*	342.43	390.77	396.00		396.01	0.000060	0.76	621.98	234.43	0.06
TRIB1	1	10348.0*	342.41	390.09	396.00		396.01	0.000040	0.68	705.22	234.15	0.05
TRIB1	1	10304.0*	342.40	389.42	396.00		396.01	0.000028	0.61	806.89	286.87	0.05
TRIB1	1	10260.08	342.37	388.74	396.00		396.00	0.000022	0.58	873.78	387.99	0.04
TRIB1	1	10200	Culvert									
TRIB1	1	10160	342.37	388.21	391.48		391.61	0.003203	3.45	135.80	106.58	0.42
TRIB1	1	10111.6*	342.31	387.62	391.06		391.45	0.007544	5.36	83.04	85.58	0.64
TRIB1	1	10063.3*	342.19	387.02	390.51		391.08	0.010518	6.16	61.65	47.58	0.75
TRIB1	1	10015	342.19	386.43	390.25		390.63	0.006678	5.19	80.67	70.02	0.60
TRIB1	1	9966.25*	342.18	385.96	389.86		390.30	0.007632	5.41	69.05	45.18	0.64
TRIB1	1	9917.5*	342.17	385.49	389.35		389.87	0.010364	5.85	60.87	39.17	0.73
TRIB1	1	9868.75*	342.15	385.02	388.93		389.39	0.010813	5.66	68.27	60.21	0.74
TRIB1	1	9820	342.10	384.55	388.80		388.93	0.003471	3.35	141.36	147.63	0.42
TRIB1	1	9777.*	343.89	384.19	388.32		388.78	0.009322	5.51	64.70	42.00	0.69
TRIB1	1	9734.*	345.71	383.83	387.94		388.41	0.008738	5.49	65.18	39.34	0.68
TRIB1	1	9691.*	347.50	383.47	387.60		388.05	0.008254	5.48	66.59	40.80	0.66
TRIB1	1	9648.*	349.34	383.11	387.24		387.70	0.008282	5.55	68.14	45.47	0.66
TRIB1	1	9605	351.17	382.75	386.92		387.35	0.008041	5.49	74.06	57.88	0.65
TRIB1	1	9555.*	353.27	382.73	386.52		386.97	0.007846	5.52	72.37	52.36	0.65
TRIB1	1	9505.*	355.37	382.71	386.13		386.58	0.007895	5.58	71.29	49.31	0.66
TRIB1	1	9455	357.46	382.69	385.82		386.22	0.006806	5.29	79.57	61.92	0.62
TRIB1	1	9407.5*	359.39	382.36	385.50		385.92	0.007015	5.43	78.92	61.41	0.63
TRIB1	1	9360.*	361.41	382.02	385.17		385.61	0.007222	5.55	78.36	60.07	0.64
TRIB1	1	9312.5*	363.42	381.69	384.83		385.28	0.007656	5.73	77.00	57.87	0.66
TRIB1	1	9265	365.40	381.36	384.44		384.93	0.008489	5.99	74.38	54.10	0.69
TRIB1	1	9220.*	367.30	380.81	384.06		384.59	0.008734	6.16	70.36	48.06	0.70
TRIB1	1	9175.*	369.20	380.26	383.66		384.23	0.008981	6.30	67.83	45.15	0.71
TRIB1	1	9130.*	371.05	379.70	383.27		383.86	0.009067	6.39	66.60	43.72	0.71
TRIB1	1	9085.*	372.98	379.15	382.89		383.49	0.008992	6.42	66.31	43.11	0.71
TRIB1	1	9040.*	374.91	378.60	382.51		383.11	0.008832	6.42	66.73	43.25	0.71
TRIB1	1	8995.*	376.84	378.04	382.15		382.73	0.008503	6.37	68.00	43.84	0.69
TRIB1	1	8950.*	378.77	377.49	381.80		382.36	0.007928	6.23	70.54	45.01	0.67
TRIB1	1	8905	380.69	376.94	381.56		382.03	0.006418	5.80	78.06	48.32	0.60
TRIB1	1	8862.5*	382.45	376.91	381.32		381.75	0.005997	5.49	81.32	50.69	0.58
TRIB1	1	8820.*	384.14	376.88	381.09		381.49	0.005785	5.25	83.94	53.04	0.57
TRIB1	1	8777.5*	385.94	376.85	380.88		381.25	0.005545	5.02	87.12	55.44	0.56
TRIB1	1	8735.*	387.73	376.81	380.67		381.02	0.005426	4.83	89.84	57.36	0.55
TRIB1	1	8692.5*	389.53	376.78	380.46		380.79	0.005538	4.73	91.25	58.48	0.55
TRIB1	1	8650	391.31	376.75	380.23		380.55	0.005926	4.70	91.29	60.30	0.57
TRIB1	1	8606.66*	393.18	376.40	379.94		380.29	0.006275	4.91	89.51	60.00	0.59
TRIB1	1	8563.33*	395.03	376.05	379.62		380.02	0.007264	5.29	85.43	60.57	0.63
TRIB1	1	8520	396.88	375.70	379.21		379.73	0.009873	6.01	76.76	58.46	0.73
TRIB1	1	8471.42*	398.85	375.41	378.75		379.25	0.010044	5.89	76.51	57.29	0.73
TRIB1	1	8422.85*	400.81	375.12	378.30		378.78	0.009913	5.71	77.61	56.82	0.72
TRIB1	1	8374.28*	402.79	374.83	377.88		378.33	0.009674	5.53	79.63	58.46	0.71
TRIB1	1	8325.71*	404.77	374.54	377.47		377.89	0.009252	5.32	82.51	60.59	0.69
TRIB1	1	8277.14*	406.76	374.25	377.06		377.45	0.009058	5.15	85.10	63.33	0.68
TRIB1	1	8228.57*	408.74	373.96	376.63		377.01	0.009116	5.04	87.09	66.41	0.68
TRIB1	1	8180	410.26	373.67	376.27		376.60	0.008175	4.75	93.20	71.76	0.64
TRIB1	1	8139.*	427.37	372.96	375.83		376.22	0.009467	5.08	88.86	66.60	0.69
TRIB1	1	8098.*	429.24	372.25	375.47		375.86	0.008975	5.01	89.48	65.41	0.67
TRIB1	1	8057.*	431.10	371.53	375.17		375.53	0.008232	4.88	91.53	65.60	0.65
TRIB1	1	8016.*	432.97	370.82	374.88		375.23	0.007800	4.78	92.97	66.70	0.63
TRIB1	1	7975	434.83	370.11	374.53		374.91	0.008853	4.95	88.81	63.55	0.66
TRIB1	1	7926.42*	436.88	369.89	374.14		374.53	0.008104	5.00	89.38	58.39	0.64
TRIB1	1	7877.85*	438.93	369.67	373.80		374.18	0.007130	5.00	91.19	55.29	0.61
TRIB1	1	7829.28*	440.91	369.45	373.50		373.88	0.006234	4.99	93.37	52.78	0.59

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	7780.71*	442.98	369.22	373.24		373.61	0.005458	4.99	95.99	50.95	0.56
TRIB1	1	7732.14*	445.05	369.00	373.00		373.37	0.004913	5.04	98.74	50.49	0.54
TRIB1	1	7683.57*	447.12	368.78	372.80		373.15	0.004350	5.04	105.77	55.85	0.51
TRIB1	1	7635	449.17	368.56	372.69		372.95	0.003240	4.64	129.06	70.84	0.45
TRIB1	1	7585.*	451.30	368.34	372.48		372.79	0.003781	4.96	119.72	65.67	0.49
TRIB1	1	7535.*	453.42	368.13	372.23		372.59	0.004574	5.34	111.01	63.18	0.53
TRIB1	1	7485.*	455.53	367.91	371.92		372.34	0.005819	5.82	102.32	61.95	0.59
TRIB1	1	7435.*	457.64	367.70	371.46		372.01	0.008692	6.64	90.38	61.29	0.71
TRIB1	1	7385	459.73	367.48	370.98	371.10	371.66	0.013318	7.55	89.69	92.99	0.86
TRIB1	1	7335.83*	461.84	366.81	370.39	370.44	371.20	0.013839	7.80	74.29	55.24	0.88
TRIB1	1	7286.66*	463.97	366.14	369.74	369.79	370.63	0.014464	7.94	68.69	46.58	0.90
TRIB1	1	7237.5*	466.09	365.48	369.07	369.07	369.98	0.014766	7.93	66.15	42.03	0.91
TRIB1	1	7188.33*	468.09	364.81	368.39	368.32	369.29	0.014486	7.77	65.78	38.76	0.90
TRIB1	1	7139.16*	470.19	364.14	367.74	367.64	368.58	0.013557	7.49	67.48	38.19	0.87
TRIB1	1	7090	470.85	363.47	367.17		367.88	0.010940	6.87	73.32	39.24	0.78
TRIB1	1	7044.28*	462.29	363.10	366.82		367.39	0.008834	6.18	79.51	42.18	0.70
TRIB1	1	6998.57*	453.38	362.73	366.63		367.03	0.005668	5.18	93.75	48.91	0.57
TRIB1	1	6952.85*	448.38	362.36	366.55		366.81	0.003266	4.21	116.20	58.55	0.44
TRIB1	1	6907.14*	448.33	361.99	366.52		366.69	0.001867	3.43	146.58	70.14	0.34
TRIB1	1	6861.42*	448.29	361.62	366.51		366.62	0.001079	2.80	187.21	88.05	0.26
TRIB1	1	6815.71*	448.27	361.25	366.51		366.58	0.000607	2.24	246.44	111.79	0.20
TRIB1	1	6770	450.47	360.88	366.51		366.55	0.000316	1.71	339.68	139.25	0.15
TRIB1	1	6728.*	472.19	360.45	366.50		366.54	0.000243	1.62	398.32	158.55	0.13
TRIB1	1	6686.*	474.21	360.01	366.50		366.53	0.000166	1.43	490.98	204.14	0.11
TRIB1	1	6644.*	474.01	359.58	366.51		366.52	0.000092	1.12	664.18	247.59	0.08
TRIB1	1	6602.*	473.74	359.14	366.51		366.51	0.000044	0.82	948.41	319.34	0.06
TRIB1	1	6560	473.40	358.71	366.51		366.51	0.000018	0.54	1380.59	379.86	0.04
TRIB1	1	6520.*	473.07	358.04	366.51		366.51	0.000030	0.72	1086.63	348.97	0.05
TRIB1	1	6480.*	472.76	357.36	366.50		366.51	0.000034	0.79	974.52	336.98	0.05
TRIB1	1	6440	472.43	356.69	366.50		366.51	0.000024	0.68	1173.12	415.96	0.04
TRIB1	1	6400	Culvert									
TRIB1	1	6360.01	472.41	355.71	361.47		361.87	0.004467	5.13	98.40	48.56	0.49
TRIB1	1	6312.50*	472.41	356.17	361.12		361.63	0.006259	5.81	90.05	52.59	0.59
TRIB1	1	6265	472.41	356.64	360.87		361.37	0.006306	5.85	93.93	58.07	0.60
TRIB1	1	6217.5*	472.38	356.10	360.54		361.06	0.006636	5.97	92.98	65.41	0.62
TRIB1	1	6170.*	472.39	355.55	360.30		360.80	0.006194	5.87	95.52	73.92	0.59
TRIB1	1	6122.5*	472.36	355.01	360.09		360.56	0.005492	5.66	99.55	83.27	0.56
TRIB1	1	6075	472.35	354.47	359.84		360.30	0.005014	5.55	99.36	82.54	0.53
TRIB1	1	6036.25*	472.85	354.59	359.64		360.09	0.005022	5.54	101.75	73.15	0.54
TRIB1	1	5997.5*	473.37	354.71	359.48		359.90	0.004752	5.44	105.92	69.59	0.53
TRIB1	1	5958.75*	473.88	354.83	359.34		359.73	0.004390	5.30	110.80	67.15	0.51
TRIB1	1	5920	474.40	354.95	359.22		359.57	0.003969	5.11	116.97	66.48	0.49
TRIB1	1	5871.25*	475.05	354.76	358.88		359.36	0.005691	5.93	98.95	59.56	0.58
TRIB1	1	5822.5*	475.70	354.57	358.42		359.08	0.008733	6.94	84.61	55.89	0.72
TRIB1	1	5773.75*	476.29	354.37	357.94	357.92	358.64	0.011248	7.38	85.47	65.01	0.80
TRIB1	1	5725	476.80	354.18	357.85		358.00	0.002952	3.89	170.90	101.08	0.41
TRIB1	1	5685.*	477.05	353.76	357.68		357.89	0.003452	4.51	154.79	95.41	0.45
TRIB1	1	5645.*	476.66	353.33	357.49		357.77	0.003811	5.02	139.74	87.85	0.48
TRIB1	1	5605	475.73	352.91	357.35		357.62	0.003139	4.84	136.37	70.04	0.44
TRIB1	1	5562.*	521.82	352.79	357.01		357.42	0.004888	5.84	118.26	59.90	0.55
TRIB1	1	5519.*	522.39	352.66	356.71		357.22	0.006093	6.33	107.44	58.06	0.61
TRIB1	1	5476.*	522.98	352.54	356.32		356.96	0.008446	7.06	96.14	60.97	0.71
TRIB1	1	5433.*	523.60	352.41	356.01	355.95	356.60	0.008873	6.96	107.54	95.00	0.72
TRIB1	1	5390	524.18	352.29	355.96		356.13	0.003190	4.25	190.31	132.65	0.44
TRIB1	1	5343.*	524.76	351.81	355.35	355.21	356.05	0.010252	7.31	90.25	57.13	0.78
TRIB1	1	5296.*	525.35	351.33	354.87	354.76	355.62	0.011028	7.47	86.74	55.36	0.80
TRIB1	1	5249.*	525.94	350.84	354.43	354.32	355.16	0.010786	7.35	88.99	59.40	0.79
TRIB1	1	5202.*	526.53	350.36	354.12		354.70	0.008541	6.68	100.90	67.91	0.71
TRIB1	1	5155	527.10	349.88	354.00		354.35	0.004699	5.30	131.77	77.75	0.53
TRIB1	1	5108.75*	527.80	349.74	353.77		354.13	0.005000	5.49	128.27	72.85	0.55
TRIB1	1	5062.5*	528.50	349.60	353.53		353.90	0.005397	5.69	124.28	68.14	0.57
TRIB1	1	5016.25*	529.19	349.45	353.24		353.63	0.006011	5.95	119.18	63.79	0.60
TRIB1	1	4970	529.90	349.31	352.82		353.29	0.008143	6.61	106.70	58.84	0.69
TRIB1	1	4926.66*	530.47	348.97	352.42		352.96	0.008490	7.03	102.03	56.17	0.72
TRIB1	1	4883.33*	531.04	348.63	352.02		352.62	0.008445	7.27	98.50	52.86	0.72
TRIB1	1	4840	531.61	348.29	351.72		352.29	0.007046	6.99	102.34	51.75	0.67
TRIB1	1	4798.*	532.19	347.89	351.38		351.98	0.007602	7.16	98.62	50.14	0.69
TRIB1	1	4756.*	532.77	347.49	351.02		351.66	0.008063	7.30	95.49	48.64	0.71
TRIB1	1	4714.*	533.35	347.08	350.66		351.33	0.008334	7.38	93.24	47.30	0.72
TRIB1	1	4672.*	533.92	346.68	350.30		350.99	0.008412	7.40	91.84	46.26	0.73
TRIB1	1	4630	534.50	346.28	349.98		350.65	0.007966	7.27	92.64	45.81	0.71
TRIB1	1	4582.*	535.15	345.93	349.60		350.27	0.008182	7.22	92.15	46.18	0.71
TRIB1	1	4534.*	535.80	345.58	349.20		349.88	0.008482	7.20	91.19	46.12	0.72
TRIB1	1	4486.*	536.42	345.22	348.75		349.46	0.009268	7.32	88.48	46.21	0.75
TRIB1	1	4438.*	537.08	344.87	348.18	348.07	349.03	0.011688	7.81	81.09	45.03	0.83

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	4390	537.72	344.52	347.56	347.66	348.62	0.016318	8.61	71.24	42.77	0.96
TRIB1	1	4341.25*	538.31	343.85	346.92	346.88	347.77	0.013057	7.78	80.48	48.08	0.87
TRIB1	1	4292.5*	538.88	343.17	346.66		347.10	0.005886	5.78	112.10	57.16	0.60
TRIB1	1	4243.75*	539.45	342.50	346.69		346.88	0.002035	3.92	169.60	69.41	0.36
TRIB1	1	4195	540.01	341.83	346.70		346.80	0.000844	2.84	238.46	82.38	0.24
TRIB1	1	4147.5*	540.66	341.48	346.62		346.75	0.001148	3.25	207.23	73.20	0.28
TRIB1	1	4100.*	541.38	341.12	346.52		346.69	0.001576	3.72	182.36	68.38	0.32
TRIB1	1	4052.5*	542.09	340.77	346.36		346.61	0.002324	4.37	157.46	67.09	0.39
TRIB1	1	4005	542.81	340.42	346.09		346.49	0.004150	5.44	124.98	64.78	0.49
TRIB1	1	3955.*	543.48	340.99	345.79		346.28	0.005733	5.98	112.22	65.46	0.58
TRIB1	1	3905	544.15	341.56	345.39	345.25	346.08	0.010142	7.03	93.08	63.89	0.76
TRIB1	1	3856.25*	544.07	341.04	344.94		345.65	0.009491	7.18	90.97	52.72	0.75
TRIB1	1	3807.5*	544.06	340.52	344.55		345.23	0.008358	7.17	93.02	48.02	0.71
TRIB1	1	3758.75*	543.71	340.01	344.28		344.86	0.006485	6.86	102.07	48.27	0.64
TRIB1	1	3710	543.70	339.49	344.21		344.58	0.003844	5.88	130.67	57.60	0.51
TRIB1	1	3666.*	543.69	339.15	344.11		344.39	0.002594	4.75	147.65	63.54	0.42
TRIB1	1	3622.*	543.26	338.82	344.05		344.26	0.001782	3.91	168.00	70.96	0.34
TRIB1	1	3578.	543.23	338.48	344.02		344.18	0.001265	3.29	190.41	79.52	0.29
TRIB1	2	3534.	907.50	338.15	343.37		344.00	0.004677	7.08	172.35	73.37	0.57
TRIB1	2	3490	907.47	337.81	343.35		343.78	0.002920	5.88	213.64	103.26	0.46
TRIB1	2	3440.71*	907.44	337.54	343.11		343.65	0.003641	6.49	184.68	71.01	0.51
TRIB1	2	3391.42*	907.27	337.27	342.90		343.47	0.004039	6.79	179.90	71.71	0.54
TRIB1	2	3342.14*	907.26	337.00	342.71		343.28	0.004190	6.90	182.27	74.45	0.55
TRIB1	2	3292.85*	907.25	336.72	342.55		343.08	0.004084	6.81	191.10	79.71	0.54
TRIB1	2	3243.57*	907.24	336.45	342.44		342.90	0.003739	6.55	206.32	86.90	0.51
TRIB1	2	3194.28*	907.22	336.18	342.35		342.71	0.003095	6.01	227.40	89.43	0.47
TRIB1	2	3145	907.21	335.91	342.27		342.55	0.002461	5.39	250.46	89.75	0.41
TRIB1	2	3098.12*	908.83	335.85	342.01		342.45	0.003571	6.39	203.91	76.21	0.50
TRIB1	2	3051.25*	910.46	335.78	341.73		342.28	0.004387	6.91	178.34	65.86	0.55
TRIB1	2	3004.37*	912.08	335.72	341.43		342.07	0.005036	7.20	164.03	60.61	0.59
TRIB1	2	2957.5*	913.69	335.65	341.14		341.82	0.005463	7.26	157.14	58.00	0.61
TRIB1	2	2910.62*	915.31	335.59	340.91		341.56	0.005452	7.08	158.46	58.64	0.61
TRIB1	2	2863.75*	916.92	335.53	340.73		341.31	0.005013	6.67	167.38	61.99	0.58
TRIB1	2	2816.87*	918.51	335.46	340.61		341.09	0.004260	6.10	188.61	74.69	0.53
TRIB1	2	2770	920.06	335.40	340.61		340.90	0.002787	4.98	242.97	98.52	0.43
TRIB1	2	2728.75*	921.40	335.17	340.23		340.77	0.004995	6.49	177.33	72.89	0.58
TRIB1	2	2687.5*	922.71	334.95	339.66		340.58	0.009196	8.26	137.08	63.30	0.77
TRIB1	2	2646.25*	923.22	334.72	339.16	339.27	340.27	0.013016	9.30	127.49	68.79	0.90
TRIB1	2	2605	927.58	334.49	338.88		339.36	0.006998	6.72	186.25	90.99	0.65
TRIB1	2	2558.75*	928.90	334.13	338.52		339.03	0.007269	6.86	183.84	94.39	0.67
TRIB1	2	2512.5*	930.25	333.78	338.12		338.69	0.007867	7.08	177.90	96.64	0.70
TRIB1	2	2466.25*	931.64	333.42	337.73		338.35	0.008325	7.21	172.62	97.96	0.72
TRIB1	2	2420.*	933.07	333.07	337.31		337.99	0.008899	7.35	166.67	99.08	0.74
TRIB1	2	2373.75*	934.53	332.71	336.87	336.81	337.62	0.009779	7.54	159.26	101.40	0.77
TRIB1	2	2327.5*	936.01	332.35	336.42	336.44	337.23	0.010610	7.68	152.50	104.77	0.80
TRIB1	2	2281.25*	937.51	332.00	336.02	335.78	336.83	0.010576	7.58	155.09	126.23	0.79
TRIB1	2	2235	939.02	331.64	335.86		336.25	0.005359	5.62	216.90	142.65	0.57
TRIB1	2	2190.*	938.93	331.44	335.61		336.05	0.005780	5.91	215.81	151.94	0.60
TRIB1	2	2145.*	938.84	331.23	335.33		335.83	0.006334	6.23	205.66	148.97	0.63
TRIB1	2	2100.*	938.77	331.03	335.04		335.57	0.006690	6.43	194.93	131.71	0.64
TRIB1	2	2055.*	938.70	330.82	334.76		335.28	0.006534	6.40	193.00	117.38	0.64
TRIB1	2	2010.*	938.63	330.61	334.54		335.01	0.005771	6.13	201.59	111.74	0.60
TRIB1	2	1965	938.58	330.41	334.38		334.76	0.004677	5.69	216.94	107.82	0.55
TRIB1	2	1915.*	938.88	330.01	334.10		334.54	0.005277	6.05	207.18	111.72	0.58
TRIB1	2	1865.*	939.32	329.60	333.80		334.31	0.005923	6.41	199.52	120.19	0.61
TRIB1	2	1815	939.76	329.20	333.49		334.03	0.006235	6.60	194.90	122.09	0.63
TRIB1	2	1770.*	940.04	328.71	333.24		333.76	0.005697	6.62	203.22	123.40	0.61
TRIB1	2	1725.*	940.29	328.22	333.06		333.55	0.005117	6.65	213.71	126.10	0.59
TRIB1	2	1680.*	940.71	327.72	332.84		333.36	0.005323	7.08	209.03	119.73	0.60
TRIB1	2	1635	941.06	327.23	332.34	332.49	333.30	0.009847	9.59	163.87	111.22	0.81
TRIB1	2	1595.*	941.44	326.85	331.90	331.69	333.16	0.011512	10.26	141.97	102.57	0.88
TRIB1	2	1555.*	941.84	326.47	331.48	331.47	332.64	0.010225	9.61	134.08	68.77	0.83
TRIB1	2	1515.*	942.24	326.08	331.09	330.92	332.17	0.009182	9.09	135.26	64.53	0.78
TRIB1	2	1500	Lat Struct									
TRIB1	2	1475	942.64	325.70	330.84		331.74	0.007150	8.19	146.65	65.31	0.69
TRIB1	2	1435.00*	942.98	325.97	330.60		331.43	0.007201	7.72	149.40	69.52	0.69
TRIB1	2	1395.01	943.21	326.24	330.46		331.11	0.005759	6.81	164.62	76.93	0.62
TRIB1	2	1347.50*	943.71	326.33	330.29		330.85	0.006019	6.58	187.26	104.85	0.62
TRIB1	2	1300	944.10	326.43	330.26		330.57	0.004169	5.29	246.19	131.43	0.51
TRIB1	2	1263.33*	944.09	326.11	329.85		330.46	0.008687	7.43	188.47	129.80	0.73
TRIB1	2	1226.66*	944.07	325.79	329.42	329.73	330.45	0.017038	10.01	145.20	124.55	1.01
TRIB1	2	1190	943.78	325.47	328.84	328.84	329.46	0.016862	9.01	169.49	126.46	0.95
ALDER	1	17980	220.58	344.61	348.29		348.55	0.004513	4.21	59.59	47.34	0.49
ALDER	1	17934.1*	220.58	344.54	348.04		348.32	0.005104	4.40	56.82	43.49	0.52
ALDER	1	17888.3*	220.57	344.46	347.81		348.11	0.005551	4.53	55.63	43.61	0.54

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17842.5*	220.57	344.39	347.58		347.89	0.005970	4.64	55.17	44.56	0.56
ALDER	1	17796.6*	220.57	344.32	347.35		347.66	0.006274	4.70	55.79	46.87	0.58
ALDER	1	17750.8*	220.57	344.24	347.13		347.42	0.006278	4.65	58.22	50.92	0.58
ALDER	1	17705	220.56	344.17	346.92		347.18	0.005757	4.43	63.37	55.76	0.55
ALDER	1	17663.7*	221.61	343.76	346.61		346.96	0.007138	5.07	54.06	44.59	0.62
ALDER	1	17622.5*	222.69	343.35	346.30		346.72	0.008507	5.65	49.66	42.37	0.68
ALDER	1	17581.2*	223.73	342.93	346.01	345.84	346.53	0.010106	6.31	51.01	70.52	0.74
ALDER	1	17540	224.84	342.52	345.83		346.11	0.006524	5.27	70.40	79.18	0.59
ALDER	1	17490.4*	226.05	342.38	345.58		345.85	0.006464	5.20	70.54	76.64	0.59
ALDER	1	17440.9*	227.25	342.24	345.33		345.60	0.006313	5.09	71.20	74.50	0.59
ALDER	1	17391.3*	228.47	342.11	345.09		345.34	0.006143	4.98	71.97	72.44	0.58
ALDER	1	17341.8*	229.66	341.97	344.86		345.09	0.005892	4.84	73.15	70.62	0.57
ALDER	1	17292.2*	230.89	341.83	344.62		344.85	0.005682	4.72	74.22	69.01	0.56
ALDER	1	17242.7*	232.12	341.69	344.38		344.60	0.005533	4.61	75.15	67.79	0.55
ALDER	1	17193.1*	233.35	341.55	344.12		344.34	0.005674	4.59	74.72	66.51	0.56
ALDER	1	17143.6*	234.56	341.41	343.84		344.06	0.006131	4.65	73.07	65.37	0.57
ALDER	1	17094.0*	235.79	341.28	343.56		343.78	0.006554	4.68	72.09	65.11	0.59
ALDER	1	17044.5*	237.03	341.14	343.29		343.51	0.006795	4.66	72.44	66.50	0.60
ALDER	1	16995	238.25	341.00	343.03		343.24	0.006605	4.50	75.34	70.54	0.59
ALDER	1	16950.8*	239.42	340.58	342.79		343.00	0.006599	4.53	78.11	79.94	0.59
ALDER	1	16906.6*	240.60	340.17	342.54		342.74	0.006572	4.52	80.13	86.96	0.58
ALDER	1	16862.5*	241.75	339.76	342.22		342.45	0.007376	4.68	77.06	88.81	0.61
ALDER	1	16818.3*	242.96	339.34	341.87		342.11	0.008193	4.75	72.49	79.30	0.64
ALDER	1	16774.1*	244.14	338.93	341.52		341.76	0.008493	4.65	70.37	73.54	0.64
ALDER	1	16730	245.31	338.51	341.15		341.39	0.009278	4.61	66.77	67.22	0.66
ALDER	1	16684.2*	246.47	338.02	340.75		341.03	0.009944	4.87	64.32	65.65	0.69
ALDER	1	16638.5*	247.65	337.54	340.34		340.66	0.010388	5.09	62.23	64.63	0.71
ALDER	1	16592.8*	248.84	337.05	339.92		340.29	0.011355	5.37	58.67	64.13	0.74
ALDER	1	16547.1*	250.03	336.57	339.48	339.47	339.92	0.012441	5.65	54.26	63.77	0.78
ALDER	1	16501.4*	251.20	336.08	339.04	339.02	339.53	0.012614	5.72	50.70	60.21	0.79
ALDER	1	16455.7*	252.40	335.60	338.63	338.41	339.09	0.011501	5.54	49.84	53.61	0.75
ALDER	1	16410	253.60	335.11	338.28		338.66	0.008889	5.05	53.72	48.66	0.67
ALDER	1	16364.1*	254.80	334.74	337.93		338.33	0.008865	5.14	53.89	50.05	0.67
ALDER	1	16318.3*	256.00	334.37	337.58		337.99	0.008820	5.22	54.34	51.84	0.67
ALDER	1	16272.5*	257.23	334.01	337.23		337.65	0.008730	5.29	55.07	53.92	0.67
ALDER	1	16226.6*	258.43	333.64	336.90		337.31	0.008415	5.31	56.82	56.79	0.66
ALDER	1	16180.8*	259.68	333.27	336.59		336.97	0.007633	5.21	59.94	56.40	0.64
ALDER	1	16135	260.92	332.90	336.31		336.65	0.006478	4.99	64.57	54.94	0.59
ALDER	1	16089.*	262.13	332.83	335.98	335.63	336.42	0.008355	5.58	58.87	60.88	0.67
ALDER	1	16043.*	263.38	332.75	335.69	335.46	336.19	0.009785	6.00	57.72	73.33	0.73
ALDER	1	15997.*	264.60	332.68	335.32	335.27	335.75	0.010031	5.89	61.27	63.76	0.73
ALDER	1	15951.*	265.84	332.60	334.94		335.29	0.009732	5.58	66.43	64.40	0.71
ALDER	1	15905	267.08	332.53	334.74		334.93	0.005648	4.34	84.13	67.44	0.55
ALDER	1	15856.*	268.43	331.89	334.37		334.64	0.007482	5.07	75.73	69.15	0.63
ALDER	1	15807.*	269.82	331.25	333.91	333.97	334.35	0.011728	6.24	66.30	90.32	0.78
ALDER	1	15758.*	271.20	330.62	333.42	333.61	334.02	0.016235	7.11	58.78	95.54	0.91
ALDER	1	15709.*	272.58	329.98	332.77	332.98	333.50	0.023534	7.79	46.93	63.72	1.06
ALDER	1	15660	273.95	329.34	332.11		332.42	0.015838	5.70	68.93	93.90	0.84
ALDER	1	15611.2*	275.32	328.45	331.50	331.78	332.28	0.023049	7.90	48.50	74.28	1.05
ALDER	1	15562.5*	276.57	327.57	330.70	331.18	331.90	0.025937	8.85	34.18	62.82	1.14
ALDER	1	15513.7*	277.33	326.68	329.92	330.16	330.76	0.016803	7.52	44.06	56.18	0.93
ALDER	1	15465	277.77	325.80	329.47		329.77	0.005262	4.86	79.32	74.16	0.54
ALDER	1	15426.2*	278.76	325.47	329.32		329.61	0.004460	4.77	80.02	69.72	0.51
ALDER	1	15387.5*	279.73	325.14	329.24		329.45	0.003006	4.21	93.82	71.92	0.42
ALDER	1	15348.7*	280.98	324.82	329.18		329.33	0.001915	3.61	109.55	65.63	0.34
ALDER	1	15310	281.91	324.49	329.15		329.26	0.001338	3.21	121.74	60.41	0.29
ALDER	1	15263.3*	282.81	324.57	329.06		329.19	0.001658	3.39	115.16	63.73	0.32
ALDER	1	15216.6*	283.35	324.65	328.99		329.12	0.001852	3.38	120.30	79.37	0.33
ALDER	1	15170	284.24	324.73	328.99		329.03	0.000776	2.08	191.26	106.38	0.21
ALDER	1	15125.*	284.23	324.30	328.98		329.01	0.000483	1.83	227.03	115.32	0.17
ALDER	1	15080.	284.23	323.87	328.97		328.99	0.000284	1.54	271.68	124.51	0.14
ALDER	2a	15035.	1227.49	323.45	328.50		328.85	0.004244	6.02	277.70	120.76	0.53
ALDER	2a	14990.*	1227.47	323.02	328.50		328.69	0.002083	4.47	369.65	147.94	0.38
ALDER	2a	14945	1227.44	322.59	328.53		328.62	0.000784	2.91	543.71	173.93	0.23
ALDER	2a	14899.1*	1227.41	322.52	328.39		328.57	0.001817	4.36	397.07	164.13	0.36
ALDER	2a	14853.3*	1227.39	322.44	328.10		328.49	0.003616	5.93	285.63	131.91	0.50
ALDER	2a	14807.5*	1227.37	322.36	327.70		328.30	0.005570	6.96	220.64	95.90	0.61
ALDER	2a	14761.6*	1227.17	322.29	327.16		328.06	0.009165	8.21	174.16	75.66	0.76
ALDER	2a	14715.8*	1226.73	322.22	327.14		327.57	0.005140	6.19	289.45	209.06	0.57
ALDER	2a	14670	1227.17	322.14	327.24		327.31	0.000995	2.81	572.28	247.26	0.25
ALDER	2a	14623.*	1286.20	322.14	327.15		327.25	0.001352	3.06	542.43	256.32	0.29
ALDER	2a	14576.*	1286.17	322.15	327.07		327.18	0.001622	3.10	518.95	262.50	0.31
ALDER	2a	14529.*	1286.14	322.15	326.98		327.09	0.001952	3.11	496.41	267.81	0.34
ALDER	2a	14482.*	1286.10	322.16	326.87		326.99	0.002428	3.10	471.99	268.16	0.37
ALDER	2a	14435	1286.06	322.16	326.72		326.85	0.003167	3.21	441.96	272.50	0.41

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14385.*	1286.04	322.17	326.45		326.66	0.006047	4.26	363.58	283.10	0.56
ALDER	2a	14335.*	1286.03	322.19	326.05		326.34	0.008275	4.81	305.86	231.83	0.65
ALDER	2a	14285.*	1286.01	322.21	325.72		325.99	0.006747	4.32	311.16	207.16	0.58
ALDER	2a	14235	1285.99	322.22	325.51		325.73	0.004482	3.67	346.60	213.60	0.48
ALDER	2a	14192.*	1285.97	321.32	325.10	325.21	325.98	0.014845	7.86	190.07	142.82	0.91
ALDER	2a	14149.*	1285.95	320.42	324.51	324.55	325.49	0.013450	8.16	176.47	111.50	0.89
ALDER	2a	14106.*	1285.94	319.52	323.99	323.90	324.96	0.011015	8.11	177.13	96.25	0.82
ALDER	2a	14063.*	1285.92	318.62	323.58	323.27	324.51	0.008655	8.00	184.02	94.00	0.75
ALDER	2a	14020	1285.91	317.72	323.31	322.59	324.17	0.006629	7.83	201.76	112.43	0.67
ALDER	2a	13975.*	1286.52	317.77	323.02		323.87	0.006889	7.78	197.97	93.19	0.68
ALDER	2a	13930.*	1287.13	317.82	322.72		323.55	0.007225	7.74	198.30	90.47	0.69
ALDER	2a	13885.*	1287.73	317.86	322.37		323.21	0.008160	7.88	194.87	91.19	0.73
ALDER	2a	13840	1288.34	317.91	322.07		322.84	0.008288	7.66	205.98	104.56	0.73
ALDER	2a	13795.*	1289.05	317.52	321.66	321.49	322.46	0.009351	8.00	206.83	115.68	0.77
ALDER	2a	13750	1289.74	317.13	321.54		322.01	0.005622	6.53	269.24	143.41	0.61
ALDER	2a	13703.7*	1290.40	316.77	321.01		321.76	0.008623	7.83	210.65	110.69	0.74
ALDER	2a	13657.5*	1291.06	316.40	320.61		321.36	0.008436	7.69	206.38	100.49	0.73
ALDER	2a	13611.2*	1291.64	316.04	320.30		320.98	0.007469	7.29	215.04	101.69	0.69
ALDER	2a	13565	1292.30	315.67	320.09		320.65	0.005827	6.62	236.07	106.22	0.62
ALDER	2a	13525.*	1292.87	315.11	319.67		320.44	0.006894	7.30	199.74	87.36	0.67
ALDER	2a	13485.*	1293.45	314.55	319.52		320.16	0.005012	6.58	211.19	71.51	0.58
ALDER	2a	13445	1293.82	313.99	319.49		319.98	0.003336	5.73	238.20	68.54	0.48
ALDER	2a	13399.*	1294.31	313.78	319.36		319.83	0.003324	5.65	244.62	74.00	0.48
ALDER	2a	13353.*	1294.81	313.57	319.27		319.69	0.002974	5.37	263.49	82.90	0.45
ALDER	2a	13307.*	1295.30	313.35	319.25		319.57	0.002298	4.82	302.40	95.55	0.40
ALDER	2a	13261.*	1295.79	313.14	319.27		319.48	0.001498	4.03	379.38	121.39	0.33
ALDER	2a	13215	1296.27	312.93	319.33		319.42	0.000671	2.82	610.00	218.34	0.22
ALDER	2a	13187.5*	1297.03	312.72	319.25		319.39	0.001013	3.53	483.05	161.42	0.27
ALDER	2a	13160	1297.79	312.52	319.10		319.35	0.001934	4.90	380.56	149.34	0.37
ALDER	2a	13132.5*	1298.24	311.79	319.07		319.30	0.001758	4.75	416.38	186.16	0.36
ALDER	2a	13105	1298.70	311.06	319.11		319.22	0.000889	3.46	526.81	175.79	0.25
ALDER	2a	13056.6*	1299.29	311.09	318.95		319.19	0.001855	4.85	390.05	154.43	0.36
ALDER	2a	13008.3*	1299.89	311.12	318.64		319.12	0.003605	6.44	282.31	118.44	0.48
ALDER	2a	12960.*	1300.49	311.15	318.10		318.98	0.007091	8.37	205.75	91.53	0.65
ALDER	2a	12911.6*	1301.11	311.19	317.50	317.41	318.65	0.010733	9.63	170.46	67.59	0.79
ALDER	2a	12863.3*	1301.72	311.22	316.87	317.07	318.27	0.016496	10.80	154.43	69.21	0.94
ALDER	2a	12815	1302.34	311.25	316.22		317.11	0.012564	9.44	192.92	129.65	0.88
ALDER	2a	12771.6*	1303.01	310.75	315.95		316.53	0.008864	7.83	241.28	132.07	0.70
ALDER	2a	12728.3*	1303.68	310.24	315.51		316.13	0.008931	8.23	238.99	123.88	0.72
ALDER	2a	12685	1304.34	309.74	314.96	314.96	315.75	0.010407	9.33	224.56	125.12	0.82
ALDER	2a	12645.*	1304.87	309.55	314.41	314.53	315.38	0.013310	9.83	195.00	111.80	0.91
ALDER	2a	12605.*	1305.42	309.35	314.15		314.78	0.008802	7.84	228.77	111.80	0.74
ALDER	2a	12565	1305.96	309.16	314.12		314.47	0.004540	5.75	294.96	118.15	0.53
ALDER	2a	12530.*	1306.44	309.20	313.93		314.30	0.005209	6.06	283.55	119.49	0.57
ALDER	2a	12495.*	1306.92	309.24	313.69		314.11	0.006193	6.42	268.39	120.53	0.62
ALDER	2a	12460	1307.40	309.28	313.33		313.86	0.009178	7.36	240.06	121.22	0.74
ALDER	2a	12412.5*	1308.08	308.03	312.57	312.69	313.54	0.014488	9.83	191.28	107.20	0.95
ALDER	2a	12365	1308.77	306.78	312.26		312.82	0.006754	7.69	262.02	131.61	0.67
ALDER	2a	12328.3*	1309.27	306.71	312.03		312.58	0.006446	7.45	265.54	132.82	0.65
ALDER	2a	12291.6*	1309.70	306.64	311.87		312.34	0.005491	6.89	280.54	136.66	0.60
ALDER	2a	12255	1310.22	306.57	311.78		312.14	0.004111	6.05	320.70	147.36	0.52
ALDER	2a	12215.*	1310.78	306.18	311.59		311.98	0.004327	6.23	307.96	146.13	0.54
ALDER	2a	12175.*	1311.33	305.79	311.40		311.82	0.004415	6.33	303.80	145.60	0.55
ALDER	2a	12135	1311.88	305.40	311.24		311.65	0.004096	6.18	310.47	146.99	0.53
ALDER	2a	12093.3*	1312.48	305.11	310.81		311.49	0.006614	7.63	238.30	119.74	0.66
ALDER	2a	12051.6*	1313.08	304.83	310.48		311.21	0.007185	7.89	228.87	109.53	0.69
ALDER	2a	12010	1313.67	304.54	310.03		310.90	0.009008	8.58	210.60	105.68	0.76
ALDER	2a	11971.6*	1314.25	304.27	309.59	309.65	310.56	0.010783	9.02	200.38	108.84	0.82
ALDER	2a	11933.3*	1314.81	303.99	309.29		310.08	0.009617	8.33	214.19	108.20	0.77
ALDER	2a	11895	1315.38	303.72	309.27		309.69	0.005013	6.17	277.64	112.60	0.56
ALDER	2a	11846.6*	1315.99	303.61	309.05		309.46	0.005046	6.04	282.96	115.27	0.56
ALDER	2a	11798.3*	1316.59	303.50	308.83		309.22	0.005086	5.88	287.37	118.95	0.56
ALDER	2a	11750	1317.19	303.39	308.58		308.98	0.005631	5.94	286.99	126.19	0.59
ALDER	2a	11703.3*	1317.80	303.15	308.25		308.73	0.006118	6.31	275.25	130.93	0.62
ALDER	2a	11656.6*	1318.45	302.90	307.90		308.44	0.006398	6.56	264.87	134.25	0.63
ALDER	2a	11610	1319.08	302.66	307.69		308.16	0.004944	6.03	278.70	130.01	0.56
ALDER	2a	11560.*	1319.76	302.16	307.26		307.90	0.006197	6.82	224.26	93.49	0.63
ALDER	2a	11510.*	1320.45	301.66	306.85		307.59	0.006620	7.16	208.28	74.68	0.66
ALDER	2a	11460.*	1321.13	301.16	306.42		307.26	0.007210	7.54	195.03	71.53	0.69
ALDER	2a	11410.*	1321.82	300.67	305.94		306.90	0.008087	7.98	180.99	67.94	0.72
ALDER	2a	11360.*	1322.50	300.17	305.42		306.50	0.009178	8.42	169.12	62.47	0.77
ALDER	2a	11310.*	1323.19	299.67	304.87	304.58	306.08	0.010591	8.90	160.94	62.76	0.82
ALDER	2a	11260	1323.88	299.17	304.32	304.36	305.57	0.011782	9.20	170.77	92.45	0.86
ALDER	2a	11219.*	1324.40	298.45	303.84	303.86	305.13	0.011841	9.32	165.50	84.44	0.86
ALDER	2a	11178.*	1325.00	297.72	303.36	303.35	304.68	0.011805	9.41	161.76	79.64	0.86

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	11137.*	1325.54	297.00	302.89	302.79	304.22	0.011547	9.43	159.76	74.54	0.85
ALDER	2a	11096.*	1326.11	296.27	302.43	302.18	303.74	0.011110	9.37	159.66	70.82	0.83
ALDER	2a	11055	1326.68	295.55	301.98	301.60	303.26	0.010634	9.23	161.47	68.36	0.80
ALDER	2a	11012.*	1327.28	295.50	301.54	301.13	302.78	0.010156	9.05	160.47	61.44	0.80
ALDER	2a	10969.*	1327.87	295.45	301.13		302.31	0.009671	8.83	162.94	60.44	0.79
ALDER	2a	10926.*	1328.47	295.41	300.80		301.87	0.008607	8.40	171.74	62.21	0.75
ALDER	2a	10883.*	1329.06	295.36	300.62		301.50	0.006745	7.66	191.75	67.97	0.67
ALDER	2a	10840	1329.65	295.31	300.56		301.23	0.004801	6.76	223.77	76.75	0.57
ALDER	2a	10793.6*	1330.29	295.05	300.29		301.00	0.005331	6.96	216.70	77.02	0.60
ALDER	2a	10747.3*	1330.93	294.78	299.99		300.75	0.006000	7.19	210.75	79.98	0.63
ALDER	2a	10701.0*	1331.57	294.52	299.65		300.46	0.006820	7.44	206.11	85.50	0.67
ALDER	2a	10654.7*	1332.20	294.25	299.27		300.13	0.008017	7.75	201.36	92.44	0.72
ALDER	2a	10608.41	1332.83	293.99	298.91		299.75	0.008623	7.77	207.45	100.60	0.74
ALDER	2a	10566.3*	1333.40	293.60	298.53		299.40	0.008660	8.04	206.90	94.70	0.75
ALDER	2a	10524.2*	1333.97	293.21	298.07		299.05	0.009787	8.69	196.99	87.98	0.80
ALDER	2a	10482.1*	1334.54	292.83	297.47	297.57	298.74	0.013252	10.04	174.91	79.43	0.93
ALDER	2a	10440	1335.11	292.44	296.77	297.19	298.56	0.020212	12.12	147.91	68.17	1.14
ALDER	2a	10391.6*	1335.71	291.00	295.85	296.34	297.98	0.019799	12.89	132.82	51.21	1.14
ALDER	2a	10343.3*	1336.14	289.56	294.99	295.37	297.13	0.017131	12.91	132.78	45.12	1.08
ALDER	2a	10295	1336.35	288.12	294.27	294.45	296.27	0.013754	12.58	139.52	42.29	0.98
ALDER	2a	10247.1*	1379.30	288.05	293.71	293.76	295.40	0.012426	11.24	153.00	49.82	0.93
ALDER	2a	10199.2*	1379.95	287.98	293.31	293.15	294.67	0.010611	9.91	167.66	57.49	0.85
ALDER	2a	10151.4*	1380.60	287.91	293.02		294.11	0.008948	8.80	184.46	65.39	0.77
ALDER	2a	10103.5*	1380.74	287.85	292.77		293.67	0.007705	7.94	201.36	73.30	0.71
ALDER	2a	10055.7*	1379.86	287.78	292.56		293.30	0.006583	7.18	220.80	82.43	0.66
ALDER	2a	10007.8*	1373.84	287.71	292.38		292.99	0.005652	6.53	242.47	95.45	0.61
ALDER	2a	9960	1374.48	287.64	292.23		292.73	0.004742	5.91	272.62	114.75	0.55
ALDER	2a	9915.*	1373.95	287.01	292.06		292.52	0.003899	5.72	285.07	112.10	0.51
ALDER	2a	9870.*	1373.28	286.38	291.94		292.36	0.003130	5.47	308.68	120.00	0.47
ALDER	2a	9825.*	1375.04	285.74	291.88		292.22	0.002346	5.07	356.93	134.65	0.41
ALDER	2a	9780	1373.96	285.11	291.87		292.11	0.001568	4.44	440.87	149.78	0.34
ALDER	2a	9732.5*	1371.75	285.27	291.74		292.04	0.001976	5.08	383.73	114.33	0.38
ALDER	2a	9685	1365.35	285.42	291.56		291.94	0.002558	5.88	341.99	96.37	0.44
ALDER	2a	9642.5*	1361.07	285.02	291.49		291.82	0.002507	5.64	352.45	94.97	0.41
ALDER	2a	9600.	1356.45	284.61	291.41		291.71	0.002377	5.45	362.24	92.99	0.38
ALDER	2	9557.5	2082.19	284.21	290.38		291.40	0.008959	8.81	291.36	81.33	0.68
ALDER	2	9515.*	2082.17	283.80	289.97		291.03	0.009348	8.86	284.39	80.83	0.69
ALDER	2	9472.5*	2082.15	283.40	289.54		290.63	0.009887	8.92	278.43	81.39	0.70
ALDER	2	9430	2082.04	282.99	289.07		290.21	0.010769	9.04	272.04	82.39	0.73
ALDER	2	9391.66*	2082.73	282.38	288.59		289.81	0.011211	9.33	260.42	75.45	0.75
ALDER	2	9353.33*	2083.33	281.77	288.16		289.39	0.010909	9.39	259.71	72.35	0.74
ALDER	2	9315	2083.94	281.16	287.82		288.99	0.009961	9.24	267.32	71.85	0.71
ALDER	2	9271.25*	2084.63	280.79	287.35		288.54	0.010632	9.31	266.12	76.00	0.73
ALDER	2	9227.5*	2085.40	280.42	286.81		288.06	0.011938	9.52	261.98	81.83	0.77
ALDER	2	9183.75*	2086.13	280.04	286.25	286.05	287.54	0.013420	9.70	263.33	93.59	0.80
ALDER	2	9140	2086.86	279.67	286.05		286.91	0.009544	8.27	331.60	121.48	0.68
ALDER	2	9105.*	2087.42	279.22	285.95		286.58	0.006530	7.16	381.49	122.87	0.57
ALDER	2	9070.*	2087.98	278.76	285.89		286.36	0.004486	6.23	435.84	124.03	0.48
ALDER	2	9035	2088.55	278.31	285.85		286.21	0.003155	5.47	492.01	124.94	0.41
ALDER	2	8996.25*	2089.16	278.16	285.48		286.10	0.005094	6.89	381.92	103.86	0.51
ALDER	2	8957.5*	2089.76	278.01	285.15		285.90	0.006308	7.62	338.48	87.68	0.57
ALDER	2	8918.75*	2090.37	277.86	284.68		285.66	0.008556	8.67	297.37	79.31	0.66
ALDER	2	8880	2090.98	277.71	283.84	283.73	285.42	0.015850	10.97	234.94	70.81	0.88
ALDER	2	8833.75*	2091.70	277.36	283.09	283.08	284.71	0.016497	10.83	228.61	72.37	0.90
ALDER	2	8787.5*	2092.42	277.01	282.37	282.21	283.92	0.016326	10.40	228.62	70.46	0.88
ALDER	2	8741.25*	2093.15	276.66	281.75		283.14	0.015429	9.83	236.88	72.13	0.85
ALDER	2	8695	2093.87	276.31	281.19		282.42	0.014044	9.19	250.22	75.61	0.81
ALDER	2	8645.*	2094.70	275.29	280.47		281.74	0.014098	9.36	247.81	76.21	0.82
ALDER	2	8595.*	2095.54	274.26	279.72		281.05	0.014306	9.56	245.91	78.75	0.82
ALDER	2	8545.*	2096.37	273.23	279.26		280.39	0.011007	8.90	276.92	92.09	0.73
ALDER	2	8495	2097.20	272.21	279.24		279.87	0.005432	6.97	377.98	107.33	0.53
ALDER	2	8450.*	2097.93	271.92	278.68		279.62	0.007971	8.09	304.23	100.61	0.63
ALDER	2	8405.*	2098.66	271.63	278.22		279.24	0.008833	8.25	279.62	82.58	0.66
ALDER	2	8360.*	2099.40	271.35	277.91		278.84	0.008268	7.90	290.04	81.03	0.64
ALDER	2	8315.*	2100.13	271.06	277.68		278.48	0.007146	7.35	313.34	84.90	0.59
ALDER	2	8270.*	2100.86	270.77	277.52		278.18	0.005899	6.75	346.97	94.10	0.54
ALDER	2	8225	2101.41	270.48	277.41		277.94	0.004620	6.08	395.75	109.10	0.48
ALDER	2	8179.28*	2102.16	270.30	277.18		277.73	0.004761	6.21	391.68	110.64	0.49
ALDER	2	8133.57*	2102.91	270.12	276.95		277.51	0.004908	6.35	388.48	112.61	0.49
ALDER	2	8087.85*	2103.64	269.94	276.71		277.29	0.005033	6.46	387.14	114.99	0.50
ALDER	2	8042.14*	2104.37	269.77	276.47		277.07	0.005124	6.56	388.76	119.15	0.51
ALDER	2	7996.42*	2104.77	269.59	276.25		276.84	0.005115	6.61	396.07	125.80	0.51
ALDER	2	7950.71*	2105.52	269.41	276.05		276.61	0.004797	6.49	414.15	129.78	0.49
ALDER	2	7905	2106.26	269.23	275.90		276.39	0.004304	6.25	442.16	135.33	0.47
ALDER	2	7861.25*	2106.94	268.93	275.71		276.21	0.004185	6.23	433.38	123.32	0.47

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

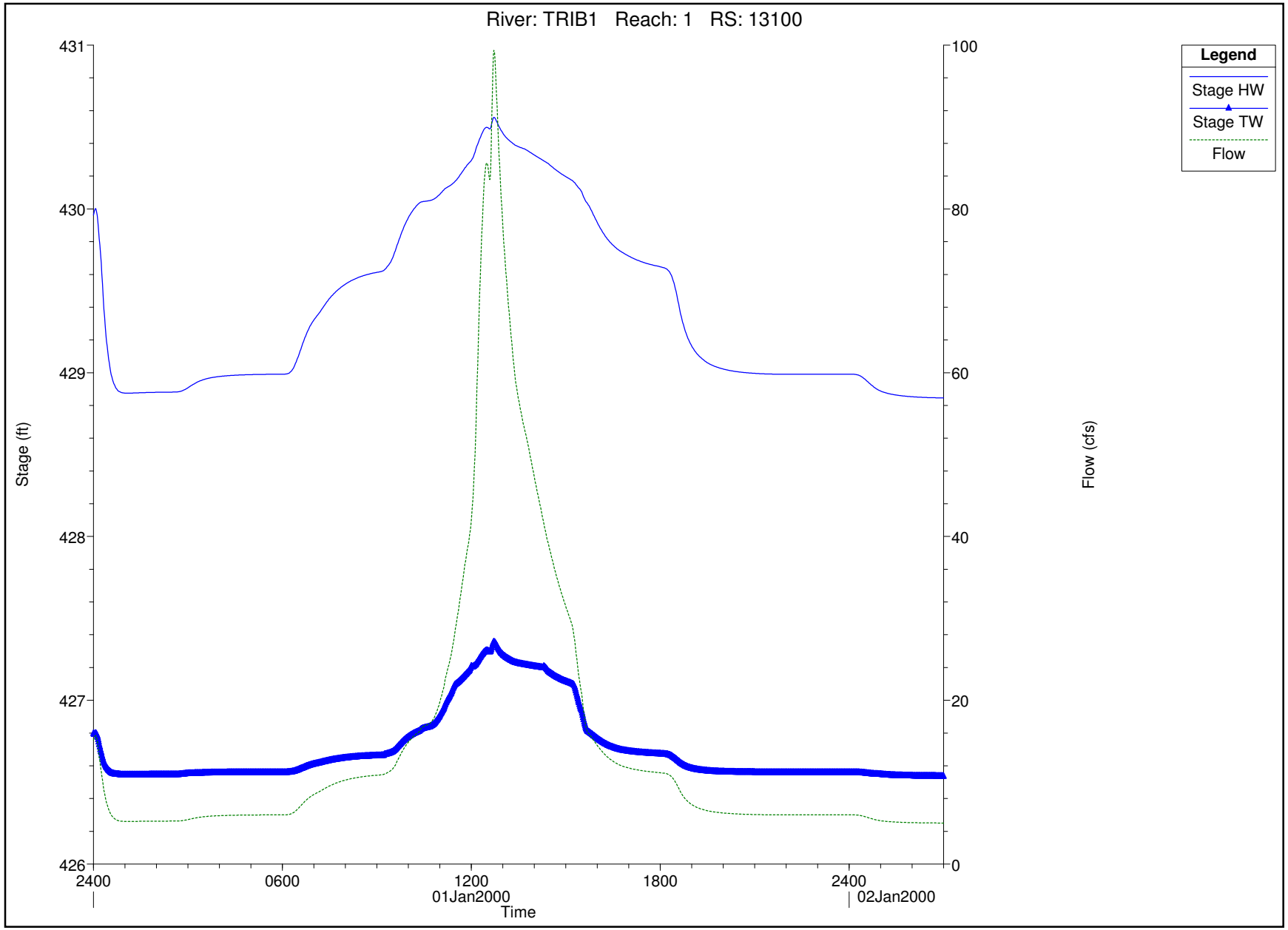
River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	7817.5*	2107.62	268.63	275.54		276.03	0.004069	6.19	429.88	116.93	0.46
ALDER	2	7773.75*	2108.29	268.33	275.37		275.86	0.003944	6.14	431.36	115.88	0.45
ALDER	2	7730	2108.97	268.03	275.26		275.69	0.003525	5.87	462.17	127.03	0.43
ALDER	2	7683.33*	2109.68	267.77	274.91		275.53	0.004794	6.76	383.49	109.01	0.50
ALDER	2	7636.66*	2110.39	267.51	274.60		275.31	0.005203	7.07	348.49	91.59	0.52
ALDER	2	7590	2111.10	267.25	274.36		275.07	0.004823	6.97	341.81	81.54	0.50
ALDER	2	7545.*	2111.82	266.83	274.05		274.84	0.005421	7.32	316.02	70.70	0.53
ALDER	2	7500.*	2112.54	266.41	273.75		274.59	0.005665	7.48	303.77	65.24	0.54
ALDER	2	7455.*	2113.25	265.99	273.50		274.34	0.005425	7.43	302.30	61.46	0.53
ALDER	2	7410	2113.97	265.57	273.33		274.11	0.004747	7.17	311.19	59.01	0.50
ALDER	2	7368.75*	2114.65	265.50	272.99		273.90	0.005782	7.74	291.57	58.66	0.55
ALDER	2	7327.5*	2115.32	265.43	272.62		273.65	0.006936	8.31	275.31	58.70	0.60
ALDER	2	7286.25*	2116.00	265.36	272.22		273.36	0.007994	8.81	264.75	59.74	0.65
ALDER	2	7245	2116.67	265.29	271.88		273.03	0.008184	8.95	269.18	64.14	0.65
ALDER	2	7205.*	2116.65	264.89	271.42		272.72	0.009832	9.64	257.58	65.20	0.71
ALDER	2	7165.*	2116.64	264.49	270.93		272.34	0.011377	10.23	250.87	66.83	0.77
ALDER	2	7125	2116.57	264.09	270.55		271.91	0.011286	10.30	260.12	70.71	0.77
ALDER	2	7085.*	2116.56	264.08	270.53		271.42	0.007254	8.07	314.85	85.41	0.61
ALDER	2	7045.*	2116.56	264.08	270.47		271.12	0.005480	6.80	362.21	101.63	0.53
ALDER	2	7005.*	2116.55	264.08	270.41		270.90	0.004404	5.89	414.57	123.94	0.47
ALDER	2	6965	2116.54	264.07	270.37		270.73	0.003510	5.09	490.82	159.13	0.42
ALDER	2	6922.5*	2135.85	263.59	270.14		270.57	0.004042	5.49	450.00	139.38	0.45
ALDER	2	6880.*	2135.83	263.11	269.92		270.40	0.004408	5.78	423.72	125.38	0.47
ALDER	2	6837.5*	2135.81	262.63	269.67		270.21	0.004937	6.16	397.59	118.14	0.49
ALDER	2	6795	2135.79	262.15	269.36		270.00	0.005735	6.66	367.97	111.98	0.53
ALDER	2	6752.5*	2136.74	261.76	268.81		269.74	0.008165	7.84	289.39	83.71	0.63
ALDER	2	6710.*	2137.71	261.36	268.28		269.39	0.009901	8.57	265.47	73.15	0.69
ALDER	2	6667.5*	2138.67	260.97	267.76		268.99	0.011334	9.14	261.78	81.82	0.74
ALDER	2	6625	2139.62	260.58	267.79		268.49	0.006329	7.35	354.63	91.14	0.56
ALDER	2	6586.25*	2140.50	260.38	267.49		268.25	0.006924	7.69	343.58	92.55	0.59
ALDER	2	6547.5*	2141.37	260.18	267.14		267.99	0.007816	8.12	330.86	95.48	0.63
ALDER	2	6508.75*	2142.14	259.98	266.77		267.70	0.008733	8.51	324.56	102.67	0.66
ALDER	2	6470	2143.02	259.78	266.70		267.37	0.006422	7.51	388.10	120.74	0.57
ALDER	2	6420.*	2144.22	259.39	266.32		267.05	0.006816	7.69	368.98	118.38	0.59
ALDER	2	6370.*	2145.42	258.99	266.04		266.71	0.006108	7.32	381.55	117.31	0.56
ALDER	2	6320	2146.62	258.60	265.82		266.41	0.005146	6.81	411.14	124.66	0.51
ALDER	2	6275.*	2147.66	258.80	265.61		266.18	0.005082	6.65	412.30	123.87	0.51
ALDER	2	6230.*	2148.69	259.00	265.39		265.94	0.005105	6.53	409.15	119.46	0.51
ALDER	2	6185	2149.73	259.20	265.15		265.71	0.005300	6.48	399.90	113.16	0.52
ALDER	2	6145.*	2149.03	258.97	264.58		265.47	0.009047	7.95	311.76	96.15	0.66
ALDER	2	6105.*	2148.33	258.75	264.03		265.10	0.012271	8.75	289.89	103.13	0.76
ALDER	2	6065	2143.55	258.52	263.82		264.62	0.009826	7.86	337.99	116.76	0.68
ALDER	2	6021.25*	2143.54	258.33	263.75		264.23	0.005483	6.07	437.76	146.05	0.51
ALDER	2	5977.5*	2141.17	258.14	263.70		264.01	0.003238	4.83	551.31	177.97	0.40
ALDER	2	5933.75*	2141.11	257.96	263.68		263.88	0.002024	3.96	682.71	220.48	0.32
ALDER	2	5890	2141.05	257.77	263.66		263.80	0.001298	3.29	869.57	318.59	0.26
ALDER	2	5841.50*	2870.91	257.25	263.29		263.63	0.003268	5.06	712.60	255.67	0.40
ALDER	2	5793.01*	2870.85	256.72	263.05		263.47	0.003888	5.46	635.52	218.18	0.44
ALDER	2	5744.51*	2870.79	256.20	262.77		263.27	0.004711	5.91	570.16	192.32	0.48
ALDER	2	5696.02*	2870.73	255.67	262.40		263.03	0.006087	6.53	502.64	177.24	0.54
ALDER	2	5647.53	2870.56	255.15	261.87		262.70	0.008841	7.44	426.12	149.02	0.65
ALDER	2	5605.44*	2871.78	255.15	261.56		262.32	0.008548	7.16	445.22	164.73	0.63
ALDER	2	5563.35*	2872.99	255.15	261.31		261.98	0.007773	6.75	475.87	175.42	0.60
ALDER	2	5521.26*	2874.20	255.15	261.09		261.67	0.006853	6.30	513.01	184.47	0.56
ALDER	2	5479.17*	2875.40	255.15	260.91		261.40	0.005851	5.83	557.21	193.14	0.52
ALDER	2	5437.08*	2876.59	255.15	260.77		261.17	0.004822	5.34	610.45	202.15	0.48
ALDER	2	5395	2877.76	255.15	260.65		260.98	0.003828	4.83	690.40	257.83	0.42
ALDER	2	5351.42*	2877.71	254.95	260.44		260.81	0.004293	5.17	642.96	214.54	0.45
ALDER	2	5307.85*	2877.68	254.74	260.20		260.62	0.004923	5.57	609.91	199.61	0.48
ALDER	2	5264.28*	2877.64	254.54	259.91		260.40	0.005943	6.12	573.38	197.55	0.53
ALDER	2	5220.71*	2877.62	254.34	259.53		260.13	0.007729	6.88	531.42	198.66	0.60
ALDER	2	5177.14*	2877.20	254.14	258.98		259.79	0.012010	8.20	475.95	212.96	0.74
ALDER	2	5133.57*	2877.18	253.93	258.73		259.27	0.009519	7.35	568.43	239.83	0.66
ALDER	2	5090	2876.13	253.73	258.68		258.92	0.004144	5.05	784.60	254.06	0.44
ALDER	2	5048.33*	2981.22	253.54	257.98		258.66	0.012037	7.82	526.11	236.62	0.74
ALDER	2	5006.66*	2981.18	253.34	257.58		258.18	0.010460	6.94	539.31	231.02	0.68
ALDER	2	4965	2981.13	253.15	257.48		257.81	0.005698	5.17	718.73	292.86	0.50
ALDER	2	4922.5*	2982.30	252.85	257.19		257.57	0.006276	5.55	690.90	291.25	0.53
ALDER	2	4880.*	2983.62	252.55	256.83		257.30	0.007835	6.24	634.45	291.82	0.59
ALDER	2	4837.5*	2319.40	252.26	256.30		256.72	0.007320	5.86	527.60	282.01	0.57
ALDER	2	4795	2986.22	251.96	256.16		256.39	0.004790	4.97	928.45	450.31	0.47
ALDER	2	4758.33*	3074.53	251.55	255.94		256.23	0.005324	5.31	870.95	455.61	0.49
ALDER	2	4721.66*	3074.66	251.15	255.78		256.05	0.004326	4.91	857.99	379.61	0.45
ALDER	2	4685	3075.72	250.74	255.30		255.87	0.008046	6.49	543.65	309.20	0.60
ALDER	2	4639.*	3074.23	250.11	255.25		255.57	0.004065	5.11	813.11	406.54	0.44

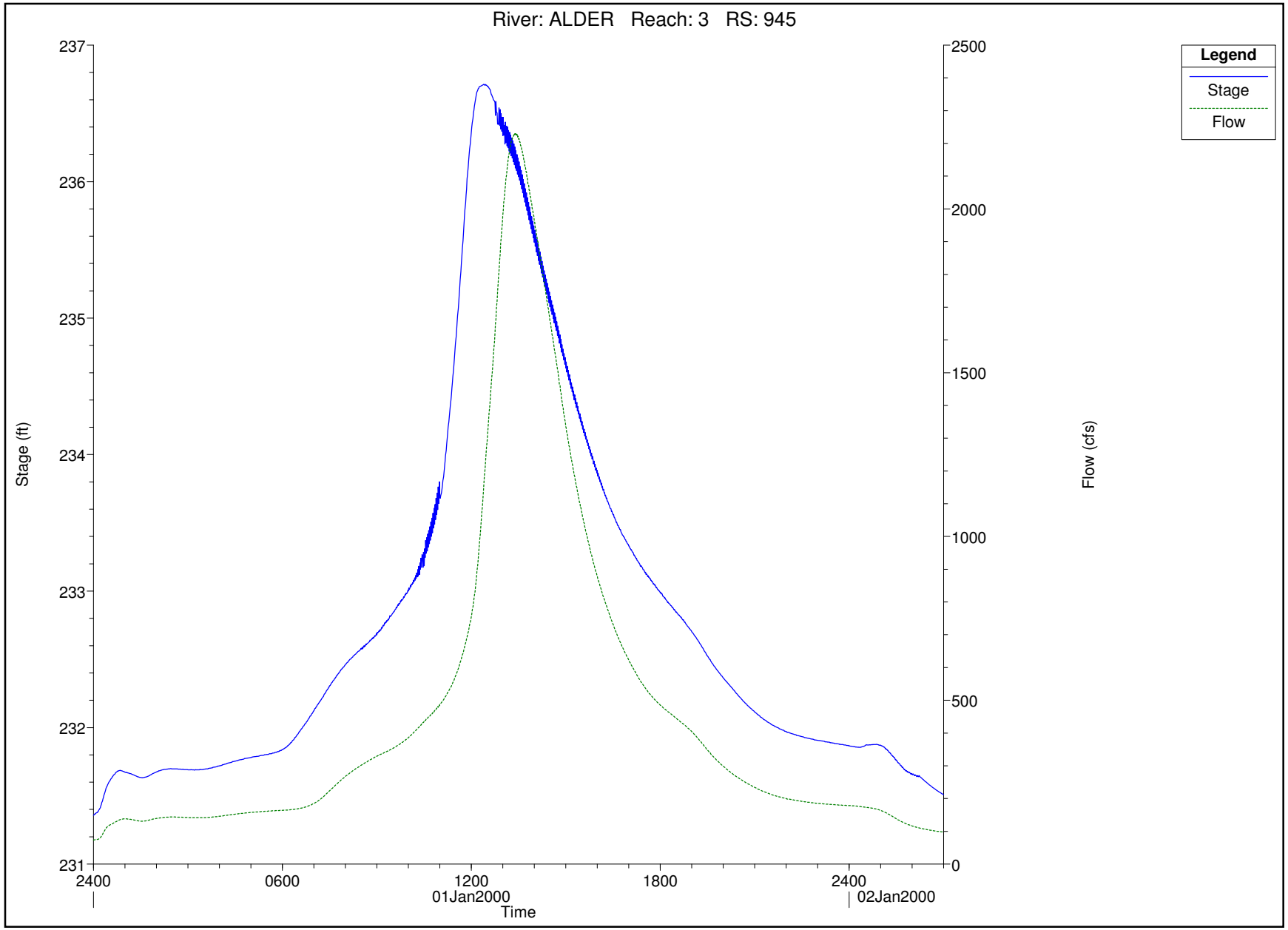
HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	4593.*	3074.17	249.48	255.12		255.40	0.002968	4.72	928.59	415.70	0.38
ALDER	2	4547.*	3074.07	248.86	255.08		255.27	0.001781	3.97	1124.66	417.44	0.30
ALDER	2	4501.*	3073.97	248.23	255.07		255.18	0.001032	3.26	1357.54	399.39	0.24
ALDER	2	4455	3073.86	247.60	255.06		255.14	0.000630	2.72	1602.34	388.86	0.19
ALDER	2	4406.66*	3073.76	247.58	254.91		255.12	0.001414	4.06	970.45	243.07	0.28
ALDER	2	4358.33*	3073.69	247.55	254.65		255.05	0.002573	5.38	675.48	150.88	0.38
ALDER	2	4310	3072.92	247.53	254.13		254.90	0.005048	7.20	463.93	95.65	0.52
ALDER	2	4271.25*	3069.75	247.09	253.80		254.71	0.006114	7.95	434.73	94.55	0.57
ALDER	2	4232.5	3067.62	246.65	253.41		254.48	0.007514	8.81	409.77	94.23	0.63
ALDER	3	4193.75	3212.24	246.21	253.17		254.11	0.009446	10.16	442.97	94.53	0.71
ALDER	3	4155	3212.23	245.77	253.08		253.77	0.006559	8.54	511.25	100.54	0.59
ALDER	3	4118.33*	3212.21	245.51	252.82		253.54	0.007047	9.14	520.44	115.27	0.62
ALDER	3	4081.66*	3212.19	245.25	252.48		253.30	0.007672	9.70	504.28	117.71	0.65
ALDER	3	4045	3211.74	244.99	252.30		253.02	0.006181	8.92	531.38	114.16	0.59
ALDER	3	4002.5*	3214.17	244.99	252.09		252.77	0.005867	8.53	561.42	129.84	0.57
ALDER	3	3960.*	3216.59	244.99	251.89		252.53	0.005768	8.28	622.17	176.92	0.56
ALDER	3	3917.5*	3218.99	244.99	251.89		252.26	0.003537	6.46	788.72	211.93	0.44
ALDER	3	3875	3221.38	244.99	251.90		252.10	0.002000	4.85	991.59	230.38	0.33
ALDER	3	3827.5*	3224.07	244.99	251.78		252.01	0.002217	5.02	961.71	233.70	0.35
ALDER	3	3780.*	3226.76	244.99	251.67		251.90	0.002359	5.09	952.07	240.31	0.36
ALDER	3	3732.5*	3228.78	244.99	251.58		251.79	0.002227	4.87	1012.74	269.17	0.35
ALDER	3	3685	3231.52	244.99	251.58		251.68	0.001210	3.58	1367.84	341.24	0.26
ALDER	3	3635.83*	3243.39	244.75	251.40		251.62	0.002167	4.77	979.39	251.84	0.34
ALDER	3	3586.66*	3246.13	244.52	251.19		251.52	0.002761	5.35	827.14	221.78	0.39
ALDER	3	3537.5*	3248.86	244.28	251.04		251.39	0.002635	5.23	787.27	195.77	0.38
ALDER	3	3488.33*	3251.58	244.04	250.93		251.26	0.002347	4.96	795.64	194.16	0.36
ALDER	3	3439.16*	3254.30	243.81	250.85		251.15	0.001999	4.62	824.43	195.68	0.33
ALDER	3	3390	3257.01	243.57	250.79		251.05	0.001643	4.24	870.47	195.89	0.30
ALDER	3	3341.87*	3256.95	243.61	250.71		250.97	0.001691	4.25	874.47	199.15	0.30
ALDER	3	3293.75*	3256.89	243.64	250.63		250.89	0.001718	4.23	883.47	202.88	0.30
ALDER	3	3245.62*	3256.83	243.68	250.56		250.80	0.001720	4.20	897.69	206.72	0.30
ALDER	3	3197.5*	3256.32	243.71	250.48		250.72	0.001693	4.14	917.13	210.47	0.30
ALDER	3	3149.37*	3256.31	243.75	250.41		250.64	0.001645	4.05	942.04	215.65	0.30
ALDER	3	3101.25*	3256.30	243.79	250.35		250.56	0.001568	3.94	973.15	220.49	0.29
ALDER	3	3053.12*	3256.29	243.82	250.29		250.48	0.001472	3.82	1010.23	225.63	0.28
ALDER	3	3005	3256.28	243.86	250.24		250.41	0.001354	3.66	1053.82	229.72	0.27
ALDER	3	2962.5*	3256.27	243.87	250.13		250.35	0.001747	4.11	928.64	209.22	0.30
ALDER	3	2920.*	3256.25	243.88	249.99		250.28	0.002210	4.56	824.58	188.79	0.34
ALDER	3	2877.5*	3256.24	243.89	249.81		250.18	0.002854	5.08	732.11	174.48	0.39
ALDER	3	2835.*	3256.23	243.89	249.58		250.04	0.003774	5.69	645.40	161.05	0.44
ALDER	3	2792.5*	3256.21	243.90	249.25		249.86	0.005316	6.50	556.03	145.77	0.52
ALDER	3	2750	3256.20	243.91	248.69		249.59	0.008841	7.79	453.72	127.96	0.66
ALDER	3	2704.*	3259.58	243.45	248.25		249.18	0.009430	7.98	450.45	132.62	0.68
ALDER	3	2658.*	3259.56	242.99	247.79		248.74	0.010027	8.14	451.64	140.68	0.69
ALDER	3	2612.*	3259.54	242.53	247.39		248.29	0.009755	8.02	473.62	153.88	0.69
ALDER	3	2566.*	3259.50	242.07	247.18		247.87	0.007539	7.25	547.35	173.93	0.61
ALDER	3	2520	3259.30	241.61	247.06		247.53	0.005139	6.23	674.30	220.68	0.51
ALDER	3	2475.*	3261.20	241.12	246.74		247.31	0.006037	6.82	633.19	215.29	0.55
ALDER	3	2430.*	3263.10	240.63	246.45		247.05	0.006214	7.02	617.90	201.93	0.56
ALDER	3	2385.*	3264.99	240.13	246.19		246.77	0.006007	7.03	626.70	197.91	0.55
ALDER	3	2340.*	3266.87	239.64	245.98		246.51	0.005484	6.88	652.23	196.87	0.53
ALDER	3	2295	3268.75	239.15	245.80		246.27	0.004783	6.61	691.79	197.71	0.50
ALDER	3	2245.*	3270.88	239.15	245.64		246.04	0.003741	5.96	740.31	198.44	0.44
ALDER	3	2195.*	3273.00	239.14	245.58		245.87	0.002449	4.98	862.72	209.30	0.36
ALDER	3	2145	3274.87	239.14	245.57		245.75	0.001479	4.01	1046.03	222.53	0.28
ALDER	3	2101.66*	3276.99	239.14	245.45		245.68	0.002033	4.62	935.63	208.40	0.33
ALDER	3	2058.33*	3278.68	239.14	245.28		245.58	0.002946	5.43	821.23	192.32	0.40
ALDER	3	2015	3280.58	239.14	245.02		245.43	0.004626	6.58	699.63	173.10	0.49
ALDER	3	1969.*	3282.54	238.77	244.74		245.22	0.005138	6.84	668.20	176.76	0.52
ALDER	3	1923.*	3284.48	238.39	244.43		244.98	0.005761	7.12	635.43	183.61	0.55
ALDER	3	1877.*	3286.41	238.02	244.10		244.72	0.006221	7.25	605.55	183.96	0.56
ALDER	3	1831.*	3287.90	237.64	243.75		244.43	0.006658	7.32	577.77	184.10	0.58
ALDER	3	1785	3289.00	237.27	243.40		244.11	0.006859	7.25	553.02	182.62	0.58
ALDER	3	1740.*	3288.98	236.84	243.22		243.82	0.005756	6.72	615.93	204.98	0.54
ALDER	3	1695.*	3288.95	236.41	243.11		243.58	0.004417	6.03	697.47	222.39	0.47
ALDER	3	1650.*	3288.90	235.98	243.02		243.39	0.003285	5.37	794.38	241.01	0.41
ALDER	3	1605.*	3288.84	235.55	242.96		243.25	0.002408	4.77	906.01	261.57	0.36
ALDER	3	1560	3288.78	235.12	242.92		243.14	0.001759	4.24	1033.25	286.56	0.31
ALDER	3	1511.42*	3317.04	235.01	242.77		243.06	0.002136	4.73	922.48	259.31	0.34
ALDER	3	1462.85*	3316.95	234.90	242.61		242.96	0.002486	5.16	832.40	232.14	0.37
ALDER	3	1414.28*	3316.87	234.79	242.44		242.84	0.002769	5.50	763.31	199.15	0.39
ALDER	3	1365.71*	3316.78	234.69	242.27		242.70	0.002981	5.77	719.26	174.66	0.40
ALDER	3	1317.14*	3316.26	234.58	242.08		242.56	0.003224	6.06	683.65	159.13	0.42
ALDER	3	1268.57*	3316.25	234.47	241.89		242.40	0.003420	6.31	653.59	142.34	0.44
ALDER	3	1220	3316.24	234.36	241.70		242.24	0.003609	6.55	627.31	128.14	0.45

HEC-RAS Plan: EX100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	1175.*	3316.23	233.55	241.65		242.08	0.002581	5.74	726.04	156.20	0.38
ALDER	3	1130.*	3316.22	232.73	241.66		241.96	0.001724	4.86	882.46	202.74	0.31
ALDER	3	1085	3316.20	231.92	241.74		241.87	0.000774	3.40	1421.92	341.08	0.21
ALDER	3	1057.5*	3316.20	231.36	241.46		241.85	0.002842	5.00	663.32	124.96	0.38
ALDER	3	1030	3316.20	230.81	241.38	236.88	241.78	0.002319	5.09	652.08	97.92	0.35
ALDER	3	1000	Bridge									
ALDER	3	945	3316.20	229.78	241.16		241.37	0.000979	3.70	955.99	174.84	0.24
ALDER	3	900	3316.17	229.78	241.12	235.54	241.33	0.001002	3.73	947.71	174.09	0.24


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
431
430
429
428
427
426
100
80
60
40
20
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
237
236
235
234
233
232
231
2500
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: EX10YR24H Profile: Max WS

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	105.44	267.72	268.53		268.62	0.013103	2.43	43.41	76.42	0.57
TRIB4	1	2123.33*	105.44	267.11	268.07		268.16	0.012318	2.43	43.44	73.10	0.55
TRIB4	1	2086.66*	105.44	266.51	267.54		267.65	0.016394	2.69	39.15	69.83	0.63
TRIB4	1	2050	105.44	265.90	266.91		267.03	0.018962	2.78	37.99	72.15	0.67
TRIB4	1	2010.*	105.60	265.02	266.19		266.31	0.018308	2.77	38.15	70.81	0.66
TRIB4	1	1970.*	105.79	264.15	265.46		265.58	0.018562	2.79	37.98	70.56	0.67
TRIB4	1	1930.*	105.97	263.27	264.72		264.85	0.019269	2.85	37.14	68.37	0.68
TRIB4	1	1890	106.14	262.40	263.97		264.11	0.019654	2.99	35.50	61.68	0.69
TRIB4	1	1848.*	106.32	261.50	263.16		263.30	0.020389	3.02	35.19	61.87	0.71
TRIB4	1	1806.*	106.51	260.59	262.29		262.45	0.021358	3.22	33.04	54.52	0.73
TRIB4	1	1764.*	106.69	259.69	261.41		261.59	0.020357	3.39	31.45	46.25	0.72
TRIB4	1	1722.*	106.87	258.78	260.49		260.70	0.022492	3.68	29.07	40.69	0.77
TRIB4	1	1680	107.06	257.88	259.98		260.08	0.006846	2.45	43.69	45.86	0.44
TRIB4	1	1630.*	107.28	257.07	259.23		259.50	0.017038	4.15	25.82	24.38	0.71
TRIB4	1	1580.*	107.50	256.25	257.95	257.90	258.28	0.033435	4.62	23.29	31.31	0.94
TRIB4	1	1530	107.72	255.44	257.10		257.17	0.004441	2.04	52.85	53.42	0.36
TRIB4	1	1491.66*	107.89	254.70	256.65		256.83	0.013832	3.36	32.08	35.83	0.63
TRIB4	1	1453.33*	108.07	253.97	255.69	255.66	256.10	0.033432	5.13	21.06	24.15	0.97
TRIB4	1	1415	107.69	253.23	255.00		255.12	0.006661	2.76	39.06	33.89	0.45
TRIB4	1	1373.33*	106.96	252.56	254.55		254.72	0.011352	3.36	31.79	30.55	0.58
TRIB4	1	1331.66*	107.46	251.88	253.78		254.01	0.016856	3.87	27.74	29.04	0.70
TRIB4	1	1290	107.59	251.21	253.57		253.59	0.000888	1.38	77.88	41.77	0.18
TRIB4	1	1245.*	107.57	250.41	253.55		253.57	0.000412	1.01	106.16	51.27	0.12
TRIB4	1	1200.*	107.55	249.62	253.55		253.55	0.000121	0.66	163.60	60.23	0.07
TRIB4	1	1155	107.53	248.82	253.55		253.55	0.000035	0.43	250.45	69.03	0.04
TRIB3	1	3020	189.72	339.76	340.80		341.02	0.022240	4.39	52.44	86.59	0.80
TRIB3	1	2971.66*	189.71	338.87	340.01	339.98	340.29	0.023424	4.70	48.63	79.67	0.83
TRIB3	1	2923.33*	189.70	337.98	339.17		339.46	0.024213	4.73	46.21	67.68	0.84
TRIB3	1	2875	188.77	337.09	338.51		338.70	0.012969	3.82	57.68	74.08	0.63
TRIB3	1	2830.83*	189.70	336.41	337.91		338.13	0.013956	4.18	53.44	65.16	0.67
TRIB3	1	2786.66*	189.69	335.72	337.27		337.53	0.015599	4.51	50.19	62.09	0.71
TRIB3	1	2742.5*	189.69	335.04	336.60		336.89	0.016743	4.72	47.97	59.18	0.73
TRIB3	1	2698.33*	189.69	334.36	335.94		336.23	0.017057	4.78	47.41	57.97	0.74
TRIB3	1	2654.16*	189.68	333.67	335.25		335.54	0.018182	4.86	46.66	57.79	0.76
TRIB3	1	2610	189.68	332.99	334.59		334.85	0.016569	4.63	48.69	58.75	0.73
TRIB3	1	2561.66*	189.67	332.22	333.87		334.17	0.018136	4.87	45.86	54.64	0.76
TRIB3	1	2513.33*	189.67	331.45	333.15		333.47	0.018796	4.97	44.18	51.08	0.78
TRIB3	1	2465.*	189.67	330.68	332.42		332.76	0.019248	5.03	42.99	48.50	0.79
TRIB3	1	2416.66*	189.67	329.91	331.69		332.04	0.019894	5.09	41.95	46.69	0.80
TRIB3	1	2368.33*	189.66	329.14	330.96		331.32	0.019959	5.09	41.48	45.34	0.80
TRIB3	1	2320	189.66	328.37	330.16	330.10	330.57	0.024684	5.43	38.15	42.15	0.88
TRIB3	1	2272.14*	193.71	327.46	329.29	329.23	329.72	0.023677	5.60	38.44	40.55	0.87
TRIB3	1	2224.29*	197.79	326.54	328.43	328.36	328.87	0.022317	5.75	38.76	38.59	0.86
TRIB3	1	2176.44*	201.87	325.63	327.58		328.05	0.021238	5.93	39.10	36.65	0.85
TRIB3	1	2128.58*	205.97	324.71	326.77		327.25	0.019521	6.06	39.88	34.76	0.83
TRIB3	1	2080.73*	210.13	323.80	326.00		326.48	0.017320	6.14	41.20	32.86	0.79
TRIB3	1	2032.88*	214.23	322.88	325.29		325.74	0.014406	6.09	43.38	31.23	0.74
TRIB3	1	1985.03	218.41	321.97	324.91		325.22	0.007876	5.26	55.02	40.96	0.57
TRIB3	1	1943.02*	222.01	321.74	324.61		324.92	0.008350	5.32	56.69	46.01	0.58
TRIB3	1	1901.01*	225.58	321.51	324.30		324.62	0.009257	5.50	59.96	51.08	0.61
TRIB3	1	1859.01*	229.20	321.27	323.98		324.26	0.008854	5.24	62.55	50.54	0.59
TRIB3	1	1817.00*	232.78	321.04	323.66		323.91	0.008164	4.91	66.15	51.29	0.57
TRIB3	1	1775	236.42	320.81	323.40		323.60	0.006814	4.43	73.00	54.67	0.52
TRIB3	1	1731.25*	240.24	320.51	323.08		323.30	0.007291	4.59	71.82	53.81	0.53
TRIB3	1	1687.5*	244.03	320.21	322.74		322.97	0.007905	4.76	70.16	52.50	0.56
TRIB3	1	1643.75*	247.87	319.90	322.34		322.60	0.009218	5.04	67.01	51.27	0.60
TRIB3	1	1600	251.71	319.60	321.69		322.14	0.018667	6.46	52.05	45.70	0.83
TRIB3	1	1554.*	255.53	318.94	320.98		321.44	0.019324	6.45	52.39	46.88	0.84
TRIB3	1	1508.*	259.36	318.28	320.24		320.70	0.020799	6.48	52.40	48.57	0.86
TRIB3	1	1462.*	263.19	317.62	319.49	319.43	319.94	0.021802	6.41	53.87	52.90	0.87
TRIB3	1	1416.*	267.04	316.96	318.70		319.11	0.022610	6.16	56.63	59.27	0.88
TRIB3	1	1370	270.88	316.30	317.87		318.21	0.020744	5.45	60.92	62.06	0.82
TRIB3	1	1325.*	270.87	315.33	316.99		317.35	0.022376	5.65	60.50	66.82	0.86
TRIB3	1	1280.*	270.87	314.36	316.10	316.10	316.50	0.025160	5.93	58.57	70.96	0.90
TRIB3	1	1235.*	270.86	313.39	315.20	315.27	315.68	0.028243	6.22	55.83	74.33	0.96
TRIB3	1	1190.*	270.84	312.42	314.31	314.42	314.84	0.030441	6.38	52.81	74.07	0.99
TRIB3	1	1145.*	270.84	311.45	313.48	313.55	313.96	0.024739	5.90	55.42	74.63	0.90
TRIB3	1	1100	270.84	310.48	312.99		313.19	0.007780	3.91	86.81	92.61	0.52
TRIB3	1	1053.*	270.83	310.03	312.58		312.83	0.008816	4.19	77.13	76.12	0.56
TRIB3	1	1006.*	270.82	309.59	312.16		312.43	0.009417	4.35	73.39	71.41	0.58
TRIB3	1	959.*	270.49	309.14	311.69		311.98	0.010673	4.55	70.42	73.39	0.61
TRIB3	1	912.*	257.44	308.70	311.33		311.53	0.007485	3.91	80.32	77.11	0.52
TRIB3	1	865	255.18	308.25	311.19		311.28	0.003091	2.78	111.71	80.89	0.34
TRIB3	1	815.*	551.32	307.37	310.18	310.13	310.75	0.019450	6.82	99.97	77.73	0.85
TRIB3	1	765.*	551.10	306.49	309.33	309.28	309.91	0.019346	6.97	99.68	77.11	0.85

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB3	1	715.*	550.84	305.60	308.45	308.46	309.07	0.020260	7.28	98.01	77.52	0.88
TRIB3	1	665.*	550.52	304.72	307.57	307.63	308.24	0.022123	7.71	96.48	81.93	0.92
TRIB3	1	615.*	550.15	303.84	306.66	306.60	307.36	0.023478	8.01	95.63	83.32	0.95
TRIB3	1	565	550.09	302.96	305.71	305.78	306.38	0.023695	7.96	92.76	78.46	0.95
TRIB3	1	517.5*	550.66	301.49	304.66	305.06	305.73	0.027529	9.55	77.48	61.94	1.05
TRIB3	1	470.*	551.22	300.02	303.39	303.46	304.53	0.027975	10.02	75.38	54.13	1.07
TRIB3	1	422.5*	551.76	298.54	302.00	302.16	303.18	0.029720	10.38	72.83	48.62	1.10
TRIB3	1	375	552.30	297.07	300.51	300.89	301.75	0.034292	10.82	69.34	44.64	1.15
TRIB3	1	325.*	552.15	295.34	298.83	299.19	300.15	0.034059	11.12	67.23	41.58	1.16
TRIB3	1	275.*	552.01	293.61	297.13	297.50	298.54	0.034244	11.45	65.05	38.87	1.18
TRIB3	1	225.*	551.86	291.89	295.42	295.82	296.93	0.034738	11.78	63.07	36.71	1.20
TRIB3	1	175	551.83	290.16	294.11	294.11	295.08	0.018886	9.64	78.64	39.90	0.91
TRIB2B	1	2970	75.66	471.17	472.47	472.55	472.77	0.027738	4.87	20.90	68.09	1.02
TRIB2B	1	2921.25*	75.66	469.71	471.16	471.32	471.61	0.030738	5.40	14.67	35.89	1.09
TRIB2B	1	2872.5*	75.66	468.26	469.73	469.88	470.18	0.031276	5.39	14.64	31.33	1.09
TRIB2B	1	2823.75*	75.66	466.80	468.24	468.43	468.77	0.038999	5.84	13.16	25.44	1.21
TRIB2B	1	2775	75.65	465.34	466.83	467.01	467.30	0.032514	5.51	14.48	34.47	1.12
TRIB2B	1	2733.75*	76.11	464.10	465.65	465.70	466.12	0.030700	5.51	13.96	19.71	1.09
TRIB2B	1	2692.5*	76.56	462.86	464.41	464.51	464.95	0.034990	5.88	13.11	18.03	1.16
TRIB2B	1	2651.25*	77.02	461.63	463.18	463.32	463.80	0.039900	6.29	12.30	16.64	1.24
TRIB2B	1	2610	77.48	460.39	462.03	462.14	462.62	0.033995	6.19	12.63	16.10	1.16
TRIB2B	1	2565.*	77.99	459.32	460.88	460.99	461.46	0.033656	6.09	12.97	17.07	1.16
TRIB2B	1	2520.*	78.49	458.24	459.75	459.85	460.30	0.032308	5.93	13.46	18.17	1.13
TRIB2B	1	2475.*	79.00	457.17	458.65	458.70	459.13	0.028219	5.61	14.45	19.70	1.06
TRIB2B	1	2430.*	79.51	456.09	457.51	457.56	457.98	0.028029	5.52	14.86	21.01	1.06
TRIB2B	1	2385.*	80.03	455.02	456.37	456.43	456.83	0.029078	5.50	15.09	22.47	1.07
TRIB2B	1	2340	80.55	453.94	455.02	455.31	455.92	0.088413	7.63	10.66	20.28	1.77
TRIB2B	1	2291.87*	81.11	452.05	453.38	453.54	454.02	0.045749	6.42	12.79	19.23	1.32
TRIB2B	1	2243.75*	81.68	450.16	451.65	451.79	452.28	0.040711	6.36	12.92	17.37	1.26
TRIB2B	1	2195.63*	82.25	448.26	449.88	450.04	450.57	0.042814	6.68	12.35	15.38	1.29
TRIB2B	1	2147.51*	82.83	446.37	448.02	448.29	448.96	0.059220	7.78	10.65	12.93	1.51
TRIB2B	1	2099.39	83.42	444.48	446.59	446.55	447.10	0.021625	5.72	14.65	13.91	0.95
TRIB2B	1	2049.51*	84.03	443.84	445.81	445.77	446.29	0.021618	5.56	15.21	15.47	0.95
TRIB2B	1	1999.63*	84.66	443.19	445.04	445.00	445.49	0.021172	5.38	15.90	17.33	0.94
TRIB2B	1	1949.75*	85.28	442.55	444.26	444.24	444.69	0.021504	5.27	16.45	19.54	0.94
TRIB2B	1	1899.87*	85.92	441.90	443.55	443.47	443.91	0.017873	4.86	18.35	24.20	0.86
TRIB2B	1	1850	86.57	441.26	442.65	442.78	443.13	0.030870	5.61	15.88	25.40	1.10
TRIB2B	1	1804.*	87.19	440.14	441.57	441.61	442.02	0.031219	5.40	16.18	22.21	1.10
TRIB2B	1	1758.*	87.81	439.01	440.46	440.51	440.90	0.031131	5.32	16.50	22.35	1.09
TRIB2B	1	1712.*	88.46	437.89	439.36	439.37	439.77	0.027790	5.12	17.29	22.81	1.04
TRIB2B	1	1666.*	89.15	436.76	438.23	438.24	438.63	0.027128	5.06	17.61	23.18	1.02
TRIB2B	1	1620	89.86	435.64	437.15		437.49	0.022049	4.68	19.20	24.30	0.93
TRIB2B	1	1574.27*	89.86	434.66	436.18	436.15	436.55	0.024329	4.91	18.29	23.19	0.97
TRIB2B	1	1528.55*	89.86	433.68	435.21	435.21	435.61	0.025866	5.08	17.68	22.28	1.01
TRIB2B	1	1482.82*	89.86	432.70	434.26	434.27	434.67	0.026628	5.19	17.32	21.65	1.02
TRIB2B	1	1437.10*	89.86	431.73	433.31	433.31	433.73	0.026141	5.20	17.27	21.19	1.02
TRIB2B	1	1391.37*	89.85	430.75	432.37	432.37	432.79	0.025882	5.23	17.18	20.72	1.01
TRIB2B	1	1345.65*	89.86	429.77	431.46	431.42	431.85	0.022743	5.03	17.88	20.77	0.95
TRIB2B	1	1299.93	89.85	428.79	430.47	430.48	430.91	0.025651	5.29	16.99	19.96	1.01
TRIB2	1	8784.93	46.81	488.65	489.79	489.90	490.27	0.043216	5.58	8.46	14.51	1.25
TRIB2	1	8736.62*	46.81	487.01	488.18	488.25	488.62	0.038330	5.33	8.81	14.46	1.18
TRIB2	1	8688.31*	46.81	485.36	486.50	486.61	487.00	0.046610	5.67	8.27	14.24	1.29
TRIB2	1	8640	46.81	483.72	484.91	484.97	485.31	0.032886	5.10	9.31	15.59	1.10
TRIB2	1	8593.75*	47.82	482.59	483.73	483.73	484.07	0.027235	4.71	10.27	16.58	1.00
TRIB2	1	8547.5*	48.85	481.46	482.48	482.51	482.85	0.033278	4.89	10.03	17.05	1.10
TRIB2	1	8501.25*	49.91	480.32	481.61		481.74	0.007212	3.01	17.14	21.31	0.55
TRIB2	1	8455	51.00	479.19	479.92	480.09	480.51	0.077058	6.18	8.25	17.69	1.59
TRIB2	1	8409.*	51.89	476.28	477.18	477.31	477.70	0.054498	5.77	9.00	16.46	1.37
TRIB2	1	8363.*	52.77	473.37	474.34	474.54	475.04	0.073211	6.74	7.83	14.10	1.59
TRIB2	1	8317.*	53.67	470.45	471.61	471.80	472.29	0.058416	6.59	8.14	12.81	1.45
TRIB2	1	8271.*	54.57	467.54	468.75	469.07	469.81	0.093530	8.26	6.61	10.38	1.82
TRIB2	1	8225	55.48	464.63	466.20	466.41	466.98	0.045573	7.11	7.91	15.41	1.33
TRIB2	1	8182.5*	56.52	463.14	464.69	464.88	465.45	0.044977	7.01	8.17	10.54	1.32
TRIB2	1	8140.*	57.56	461.66	463.19	463.37	463.91	0.042560	6.82	8.56	11.13	1.29
TRIB2	1	8097.5*	58.61	460.17	461.68	461.86	462.40	0.043445	6.80	8.74	11.58	1.30
TRIB2	1	8055.*	59.66	458.68	460.22	460.35	460.84	0.036276	6.38	9.54	12.48	1.20
TRIB2	1	8012.5*	60.72	457.20	458.66	458.84	459.37	0.045872	6.79	9.06	12.56	1.33
TRIB2	1	7970	61.78	455.71	457.32	457.33	457.78	0.023888	5.51	11.61	14.64	0.99
TRIB2	1	7925.02*	62.92	454.76	456.32	456.33	456.77	0.023649	5.38	12.08	15.63	0.98
TRIB2	1	7880.04*	64.07	453.81	455.32	455.33	455.75	0.023736	5.28	12.50	16.61	0.98
TRIB2	1	7835.06*	65.22	452.86	454.34	454.34	454.75	0.022912	5.13	13.09	17.72	0.96
TRIB2	1	7790.08*	66.37	451.91	453.33	453.35	453.75	0.025325	5.20	13.08	18.43	1.00
TRIB2	1	7745.10*	67.53	450.96	452.45		452.76	0.016630	4.49	15.63	20.93	0.83
TRIB2	1	7700.13	68.69	450.01	451.28	451.37	451.78	0.037656	5.69	12.21	19.25	1.19
TRIB2	1	7653.10*	69.91	448.23	449.57	449.69	450.13	0.040692	6.01	11.70	17.34	1.24

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	7606.07*	71.14	446.44	447.84	448.01	448.51	0.048496	6.55	10.89	15.59	1.35
TRIB2	1	7559.05*	72.37	444.66	446.17	446.34	446.86	0.045647	6.65	10.90	14.50	1.32
TRIB2	1	7512.02*	73.60	442.87	444.42	444.67	445.30	0.060728	7.50	9.81	12.85	1.51
TRIB2	1	7465	74.83	441.09	443.14		443.56	0.016144	5.21	14.80	14.73	0.84
TRIB2	1	7421.*	75.98	440.56	442.52	442.45	442.96	0.017423	5.40	14.76	15.69	0.87
TRIB2	1	7377.*	77.14	440.04	441.90	441.88	442.36	0.018534	5.55	14.96	17.26	0.90
TRIB2	1	7333.*	78.29	439.51	441.28	441.29	441.74	0.019443	5.65	15.54	19.68	0.92
TRIB2	1	7289.*	79.45	438.99	440.66	440.67	441.07	0.018137	5.46	17.39	24.04	0.89
TRIB2	1	7245	80.61	438.46	439.88	439.99	440.34	0.027148	6.01	17.44	32.28	1.07
TRIB2	1	7198.57*	80.60	437.31	438.80	438.90	439.31	0.026651	6.08	15.75	24.70	1.06
TRIB2	1	7152.14*	80.60	436.16	437.67	437.80	438.24	0.029209	6.26	14.50	21.61	1.11
TRIB2	1	7105.71*	80.59	435.01	436.54	436.67	437.13	0.030602	6.29	13.85	19.87	1.13
TRIB2	1	7059.28*	80.58	433.85	435.40	435.52	436.00	0.031726	6.27	13.48	18.66	1.14
TRIB2	1	7012.85*	80.57	432.70	434.27	434.38	434.85	0.031426	6.15	13.46	17.75	1.13
TRIB2	1	6966.42*	80.56	431.55	433.12	433.24	433.72	0.034128	6.19	13.16	16.81	1.17
TRIB2	1	6920	80.55	430.40	432.14	432.08	432.55	0.019846	5.15	15.88	18.10	0.91
TRIB2	1	6870.93*	80.54	429.57	431.31	431.26	431.73	0.021310	5.22	15.59	17.81	0.94
TRIB2	1	6821.87*	80.54	428.74	430.48	430.45	430.91	0.022382	5.26	15.41	17.54	0.95
TRIB2	1	6772.81*	80.53	427.91	429.66	429.63	430.09	0.023397	5.31	15.20	17.29	0.97
TRIB2	1	6723.74*	80.52	427.08	428.83	428.82	429.27	0.024214	5.34	15.07	16.81	0.99
TRIB2	1	6674.68*	80.51	426.25	428.02	428.00	428.46	0.024310	5.33	15.12	16.76	0.99
TRIB2	1	6625.62*	80.46	425.42	427.37		427.68	0.014191	4.46	18.10	18.57	0.77
TRIB2	1	6576.56	80.30	424.59	427.20		427.30	0.002610	2.59	33.46	29.31	0.36
TRIB2	2	6527.5	169.99	423.76	426.28	426.16	426.78	0.016969	5.72	30.17	27.23	0.88
TRIB2	2	6478.43*	169.97	422.93	425.46	425.34	425.96	0.017188	5.73	29.94	26.31	0.88
TRIB2	2	6429.37*	169.96	422.10	424.64		425.14	0.017274	5.72	29.84	25.40	0.88
TRIB2	2	6380.31*	169.94	421.27	423.82		424.33	0.017578	5.74	29.66	24.20	0.89
TRIB2	2	6331.25*	169.91	420.44	422.99		423.50	0.018027	5.76	29.49	23.23	0.90
TRIB2	2	6282.18*	169.91	419.61	422.16		422.68	0.018136	5.81	29.27	22.79	0.90
TRIB2	2	6233.12*	169.91	418.78	421.33		421.86	0.018041	5.84	29.10	22.35	0.90
TRIB2	2	6184.06*	169.90	417.95	420.50		421.04	0.018157	5.88	28.87	22.01	0.91
TRIB2	2	6135	169.89	417.12	419.69		420.22	0.017541	5.84	29.09	21.84	0.89
TRIB2	2	6087.5*	169.88	416.36	418.93		419.45	0.017490	5.82	29.20	22.04	0.89
TRIB2	2	6040.*	169.86	415.60	418.16		418.68	0.017449	5.79	29.36	22.34	0.89
TRIB2	2	5992.5*	169.85	414.84	417.39		417.91	0.017326	5.76	29.48	22.65	0.89
TRIB2	2	5945.*	169.81	414.08	416.61		417.13	0.016993	5.77	29.49	23.08	0.88
TRIB2	2	5897.5*	169.81	413.33	415.82	415.70	416.35	0.017176	5.83	29.33	25.02	0.89
TRIB2	2	5850.*	169.81	412.57	415.01	414.95	415.56	0.018259	5.98	28.85	26.51	0.91
TRIB2	2	5802.5*	169.80	411.81	414.19	414.17	414.77	0.019612	6.14	28.49	28.65	0.94
TRIB2	2	5755	169.78	411.05	413.35	413.42	413.97	0.021570	6.35	28.14	71.95	0.99
TRIB2	2	5708.12*	171.33	410.28	412.58	412.79	413.19	0.021914	6.37	31.18	63.81	0.99
TRIB2	2	5661.25*	172.88	409.51	411.85	412.06	412.43	0.020570	6.27	32.10	60.23	0.97
TRIB2	2	5614.37*	174.46	408.74	411.10	411.25	411.67	0.020112	6.24	32.78	56.68	0.96
TRIB2	2	5567.5*	176.04	407.97	410.33	410.47	410.89	0.019826	6.21	33.41	52.87	0.95
TRIB2	2	5520.62*	177.61	407.20	409.56	409.66	410.11	0.019895	6.20	34.01	52.10	0.95
TRIB2	2	5473.75*	179.17	406.43	408.80	408.90	409.33	0.019346	6.12	35.13	52.02	0.94
TRIB2	2	5426.87*	180.74	405.66	408.10	408.11	408.52	0.015372	5.62	39.89	57.26	0.84
TRIB2	2	5380	182.31	404.89	407.42	407.47	408.00	0.017218	6.20	31.76	65.15	0.90
TRIB2	2	5330.38*	184.00	404.21	406.72	406.69	407.15	0.013726	5.57	40.14	54.66	0.81
TRIB2	2	5280.76*	185.66	403.53	406.02	406.03	406.52	0.014911	5.85	36.11	48.05	0.84
TRIB2	2	5231.15*	187.32	402.85	405.28	405.22	405.82	0.015899	5.99	33.53	33.60	0.87
TRIB2	2	5181.53*	188.99	402.17	404.54	404.50	405.10	0.016667	6.06	33.29	33.03	0.89
TRIB2	2	5131.92*	190.67	401.49	403.80	403.78	404.37	0.017280	6.11	33.22	33.05	0.90
TRIB2	2	5082.30*	192.35	400.81	403.07	403.06	403.65	0.017884	6.16	33.17	33.14	0.92
TRIB2	2	5032.69*	194.03	400.12	402.34	402.33	402.92	0.018213	6.17	33.33	33.29	0.92
TRIB2	2	4983.07*	195.70	399.44	401.61	401.61	402.19	0.018715	6.21	33.40	33.64	0.93
TRIB2	2	4933.46*	197.37	398.76	400.88	400.89	401.47	0.018957	6.21	33.64	34.13	0.94
TRIB2	2	4883.84*	199.03	398.08	400.16	400.17	400.74	0.019226	6.22	33.84	34.60	0.94
TRIB2	2	4834.23*	200.70	397.40	399.43	399.45	400.02	0.019467	6.23	34.10	35.19	0.95
TRIB2	2	4784.61*	202.38	396.72	398.70	398.73	399.30	0.019810	6.24	34.26	35.54	0.96
TRIB2	2	4735	204.06	396.04	397.96	398.01	398.57	0.021078	6.35	33.86	35.54	0.98
TRIB2	2	4689.09*	205.61	395.29	397.26	397.30	397.87	0.020740	6.34	34.28	35.84	0.98
TRIB2	2	4643.18*	207.15	394.53	396.55	396.59	397.16	0.020445	6.33	34.69	36.06	0.97
TRIB2	2	4597.27*	208.69	393.78	395.85	395.88	396.45	0.020235	6.33	35.06	36.29	0.97
TRIB2	2	4551.36*	210.22	393.03	395.14	395.16	395.74	0.019771	6.30	35.52	36.20	0.96
TRIB2	2	4505.45*	211.75	392.27	394.44	394.45	395.03	0.019331	6.28	35.99	36.25	0.95
TRIB2	2	4459.54*	213.30	391.52	393.73	393.73	394.32	0.018789	6.24	36.50	36.10	0.94
TRIB2	2	4413.63*	214.85	390.76	393.03	393.02	393.61	0.018233	6.21	37.04	36.14	0.93
TRIB2	2	4367.72*	216.40	390.01	392.32	392.30	392.89	0.017709	6.17	37.56	35.94	0.91
TRIB2	2	4321.81*	217.94	389.26	391.61	391.58	392.18	0.017233	6.14	38.03	35.72	0.90
TRIB2	2	4275.90*	219.48	388.50	390.89	390.86	391.46	0.017175	6.15	38.12	35.20	0.90
TRIB2	2	4230	221.03	387.75	389.89	390.14	390.84	0.037215	7.86	29.02	29.61	1.28
TRIB2	2	4184.*	222.59	386.46	388.60	388.85	389.56	0.036489	7.90	29.07	28.87	1.27
TRIB2	2	4138.*	224.15	385.17	387.31	387.58	388.29	0.036115	7.97	29.08	28.52	1.27
TRIB2	2	4092.*	225.71	383.88	386.02	386.30	387.02	0.036043	8.06	29.03	28.31	1.28

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	4046.*	227.26	382.59	384.73	385.04	385.75	0.036382	8.17	28.99	29.47	1.29
TRIB2	2	4000.*	228.82	381.30	383.43	383.76	384.48	0.037103	8.31	29.05	31.60	1.30
TRIB2	2	3954.*	230.37	380.01	382.12	382.50	383.21	0.038791	8.50	29.14	34.35	1.33
TRIB2	2	3908.*	231.94	378.72	380.79	381.20	381.94	0.042068	8.78	29.09	37.77	1.38
TRIB2	2	3862.*	233.51	377.43	379.47	379.84	380.64	0.043795	8.92	30.15	44.40	1.41
TRIB2	2	3816.*	235.07	376.14	378.12	378.48	379.30	0.048358	9.15	30.77	46.58	1.47
TRIB2	2	3770	236.03	374.85	377.09	377.10	377.58	0.017245	6.28	47.07	49.27	0.91
TRIB2	2	3722.5*	234.67	373.88	376.70		376.99	0.006788	4.67	61.74	52.76	0.60
TRIB2	2	3675.*	234.61	372.92	376.65		376.76	0.001704	2.92	100.63	64.96	0.32
TRIB2	2	3627.5*	234.54	371.95	376.65		376.70	0.000516	1.92	158.69	82.35	0.18
TRIB2	2	3580	234.45	370.98	376.66		376.68	0.000184	1.31	242.11	109.70	0.11
TRIB2	2	3500	Culvert									
TRIB2	2	3490	234.45	369.21	373.11		373.62	0.009134	5.70	41.77	21.48	0.68
TRIB2	2	3442.*	234.44	369.13	372.72		373.20	0.008809	5.57	43.03	23.54	0.67
TRIB2	2	3394.*	234.43	369.06	372.34		372.80	0.008604	5.46	44.49	26.10	0.67
TRIB2	2	3346.*	234.42	368.98	371.94		372.39	0.009054	5.44	45.28	29.15	0.69
TRIB2	2	3298.*	234.41	368.91	371.50		371.98	0.010738	5.62	44.93	33.97	0.74
TRIB2	2	3250	234.39	368.83	370.91	370.94	371.53	0.019048	6.52	39.74	39.57	0.96
TRIB2	2	3203.*	234.91	367.92	370.18	370.17	370.78	0.017436	6.37	40.33	36.99	0.92
TRIB2	2	3156.*	235.43	367.02	369.40	369.40	370.02	0.017711	6.43	39.82	35.96	0.93
TRIB2	2	3109.*	235.96	366.11	368.62	368.64	369.26	0.018522	6.54	39.07	35.64	0.94
TRIB2	2	3062.*	236.48	365.21	367.88	367.87	368.50	0.017209	6.41	40.11	36.28	0.91
TRIB2	2	3015	237.01	364.30	367.20	367.12	367.74	0.014191	6.04	43.20	38.28	0.83
TRIB2	2	2970.*	237.52	363.86	366.59	366.43	367.11	0.013528	5.83	43.21	37.15	0.81
TRIB2	2	2925.*	238.03	363.41	366.01		366.50	0.013492	5.65	43.60	34.25	0.81
TRIB2	2	2880	238.53	362.97	365.47		365.91	0.013008	5.39	47.10	42.21	0.79
TRIB2	2	2834.83*	239.04	362.40	364.88	364.78	365.39	0.014665	5.78	43.91	38.83	0.84
TRIB2	2	2789.67*	239.54	361.84	364.29	364.35	364.84	0.016364	6.13	45.20	57.93	0.89
TRIB2	2	2744.50*	240.04	361.27	363.68	363.72	364.17	0.016151	6.05	48.96	56.62	0.88
TRIB2	2	2699.34	240.53	360.70	363.19		363.49	0.010245	5.02	60.02	56.96	0.71
TRIB2	2	2653.25*	241.03	360.07	362.67	362.72	363.21	0.014917	6.41	47.86	52.57	0.86
TRIB2	2	2607.17*	241.52	359.45	362.05	362.13	362.69	0.016694	6.91	43.34	44.13	0.92
TRIB2	2	2561.08*	242.02	358.82	361.20	361.43	361.96	0.024622	7.83	43.52	63.88	1.09
TRIB2	2	2515	242.53	358.19	360.55		360.72	0.006967	4.19	76.73	69.06	0.58
TRIB2	2	2473.*	242.99	357.48	360.09	360.24	360.78	0.017691	7.25	41.74	43.65	0.95
TRIB2	2	2431.*	243.45	356.78	359.39	359.49	360.19	0.018955	7.46	37.49	31.71	0.98
TRIB2	2	2389.*	243.92	356.07	358.64	358.73	359.42	0.019191	7.32	37.02	30.72	0.98
TRIB2	2	2347.*	244.38	355.37	357.86	357.91	358.58	0.018509	7.00	38.78	33.15	0.96
TRIB2	2	2305	244.84	354.66	357.24		357.71	0.012011	5.83	48.83	42.35	0.78
TRIB2	2	2263.33*	245.28	354.11	356.76		357.27	0.012636	5.94	46.54	39.12	0.80
TRIB2	2	2221.66*	245.73	353.55	356.29		356.80	0.012554	5.91	45.85	37.52	0.79
TRIB2	2	2180	246.17	353.00	355.90		356.35	0.010148	5.50	49.18	38.49	0.72
TRIB2	2	2138.*	246.62	352.65	355.52		355.98	0.010344	5.57	48.53	38.00	0.73
TRIB2	2	2096.*	247.07	352.30	355.13		355.60	0.010560	5.64	48.08	37.84	0.74
TRIB2	2	2054.*	247.51	351.96	354.72		355.21	0.011022	5.74	47.54	37.96	0.75
TRIB2	2	2012.*	247.96	351.61	354.30		354.79	0.011552	5.82	47.59	39.33	0.77
TRIB2	2	1970	248.42	351.26	353.85	353.74	354.33	0.012161	5.85	50.86	54.11	0.78
TRIB2	2	1928.*	248.88	350.82	353.40	353.27	353.87	0.012228	5.82	51.84	55.25	0.78
TRIB2	2	1886.*	249.33	350.39	352.94	352.84	353.40	0.012082	5.74	53.13	55.44	0.78
TRIB2	2	1844.*	249.78	349.95	352.50	352.41	352.93	0.011917	5.67	54.47	56.44	0.77
TRIB2	2	1802.*	250.23	349.52	352.05		352.46	0.011742	5.59	56.08	59.16	0.76
TRIB2	2	1760	250.65	349.08	351.60		352.00	0.011420	5.50	57.99	62.34	0.75
TRIB2	2	1716.*	251.05	348.40	351.13	351.05	351.69	0.013210	6.22	46.28	42.44	0.82
TRIB2	2	1672.*	251.52	347.71	350.60	350.48	351.23	0.013770	6.52	41.94	31.02	0.84
TRIB2	2	1628.*	251.99	347.03	350.03	349.95	350.73	0.014557	6.82	39.81	28.00	0.87
TRIB2	2	1584.*	252.46	346.34	349.43	349.41	350.21	0.016099	7.20	37.99	27.01	0.91
TRIB2	2	1540	252.93	345.66	348.66	348.88	349.70	0.024000	8.32	33.07	26.25	1.09
TRIB2	2	1490.*	253.46	344.89	347.68	347.78	348.49	0.021670	7.30	36.44	30.04	1.02
TRIB2	2	1440.*	253.99	344.12	346.78	346.77	347.43	0.019485	6.52	40.20	34.62	0.96
TRIB2	2	1390.*	254.51	343.35	345.90	345.84	346.45	0.018654	6.00	43.27	39.74	0.93
TRIB2	2	1340	255.03	342.58	344.96	344.99	345.52	0.023159	6.04	42.75	47.42	1.01
TRIB2	2	1298.75*	255.35	341.95	344.17	344.22	344.76	0.025218	6.20	41.65	45.83	1.05
TRIB2	2	1257.5*	254.38	341.33	343.47	343.46	343.99	0.020204	5.78	45.11	47.64	0.95
TRIB2	2	1216.25*	245.70	340.70	343.01		343.29	0.008220	4.30	60.89	55.10	0.63
TRIB2	2	1175	228.96	340.08	342.98		343.07	0.001531	2.44	108.38	74.14	0.29
TRIB2	2	1125.*	227.52	339.49	342.97		343.01	0.000600	1.79	155.79	91.35	0.19
TRIB2	2	1075.*	227.50	338.89	342.96		342.99	0.000261	1.34	212.76	99.86	0.13
TRIB2	2	1025	227.49	338.30	342.96		342.97	0.000131	1.06	274.04	108.55	0.09
TRIB1	1	15010	61.44	485.17	486.42	486.50	486.89	0.039189	5.48	11.23	17.93	1.20
TRIB1	1	14964.*	61.32	483.66	484.75	484.83	485.17	0.044354	5.24	11.72	21.66	1.24
TRIB1	1	14918.*	61.09	482.16	483.15	483.18	483.47	0.035865	4.57	13.42	26.93	1.11
TRIB1	1	14872.*	61.08	480.65	481.43	481.55	481.87	0.071403	5.31	11.52	29.79	1.49
TRIB1	1	14826.*	61.02	479.15	479.85	479.92	480.17	0.049031	4.50	13.64	35.30	1.25
TRIB1	1	14780	60.94	477.64	478.21	478.29	478.54	0.060767	4.59	13.41	39.39	1.36
TRIB1	1	14731.6*	62.11	475.53	476.25	476.38	476.68	0.073539	5.25	11.85	32.03	1.51

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	14683.3*	63.21	473.42	474.33	474.44	474.76	0.060499	5.24	12.07	27.75	1.40
TRIB1	1	14635.*	64.40	471.32	472.43	472.50	472.82	0.043929	5.03	12.81	24.60	1.23
TRIB1	1	14586.6*	65.65	469.21	470.39	470.55	470.96	0.058946	6.08	10.80	19.37	1.43
TRIB1	1	14538.3*	66.88	467.10	468.56	468.59	468.97	0.030598	5.14	13.01	18.26	1.07
TRIB1	1	14490	68.10	464.99	466.36	466.63	467.21	0.066228	7.37	9.24	13.36	1.56
TRIB1	1	14445.*	69.21	462.39	463.79	464.00	464.52	0.055136	6.86	10.09	14.20	1.43
TRIB1	1	14400.*	70.30	459.80	461.10	461.37	461.96	0.069647	7.46	9.43	13.95	1.60
TRIB1	1	14355.*	71.38	457.20	458.57	458.73	459.21	0.046370	6.38	11.19	15.44	1.32
TRIB1	1	14310.*	72.46	454.61	455.78	456.10	456.80	0.089624	8.11	8.94	14.14	1.80
TRIB1	1	14265	73.49	452.01	453.46	453.46	453.86	0.025620	5.07	14.50	18.27	1.00
TRIB1	1	14217.5*	81.56	450.79	452.26	452.28	452.70	0.028581	5.37	15.21	19.45	1.06
TRIB1	1	14170.*	82.77	449.57	450.99	451.06	451.49	0.033754	5.63	14.73	19.98	1.14
TRIB1	1	14122.5*	83.96	448.36	449.76	449.84	450.26	0.035599	5.67	14.84	21.00	1.17
TRIB1	1	14075.*	85.14	447.14	448.55	448.62	449.03	0.034642	5.58	15.36	22.74	1.15
TRIB1	1	14027.5*	86.30	445.92	447.33	447.41	447.79	0.032474	5.44	16.11	25.35	1.12
TRIB1	1	13980	87.44	444.70	446.12	446.21	446.54	0.029235	5.22	17.88	37.21	1.06
TRIB1	1	13930.*	88.59	443.38	444.85	445.00	445.38	0.039042	5.86	15.27	24.61	1.22
TRIB1	1	13880.*	89.68	442.05	443.63	443.75	444.17	0.036357	5.89	15.26	21.11	1.18
TRIB1	1	13830.*	90.81	440.73	442.48	442.50	442.95	0.027859	5.52	16.48	20.31	1.05
TRIB1	1	13780.*	92.04	439.41	441.24	441.27	441.74	0.027568	5.66	16.27	18.13	1.05
TRIB1	1	13730.*	93.24	438.08	439.99	440.03	440.52	0.027947	5.87	15.88	16.79	1.06
TRIB1	1	13680	94.43	436.76	438.81	438.78	439.30	0.023610	5.66	16.67	16.29	0.99
TRIB1	1	13635.8*	95.46	435.83	437.80	437.77	438.26	0.023436	5.46	17.48	18.02	0.98
TRIB1	1	13591.6*	96.48	434.89	436.82	436.78	437.25	0.023261	5.28	18.28	19.75	0.97
TRIB1	1	13547.5*	97.47	433.96	435.85	435.81	436.26	0.023232	5.12	19.03	21.52	0.96
TRIB1	1	13503.3*	98.44	433.03	434.90	434.85	435.28	0.022749	4.93	19.96	23.51	0.94
TRIB1	1	13459.1*	99.41	432.09	433.94	433.90	434.31	0.023801	4.88	20.35	25.13	0.96
TRIB1	1	13415	100.47	431.16	433.10		433.37	0.017376	4.20	23.89	29.16	0.82
TRIB1	1	13367.*	100.40	430.40	432.30		432.57	0.017304	4.11	24.43	31.25	0.82
TRIB1	1	13319.*	100.31	429.63	431.45		431.74	0.021768	4.38	22.90	31.78	0.91
TRIB1	1	13271.*	99.90	428.87	430.76		430.96	0.014770	3.62	28.93	53.88	0.75
TRIB1	1	13223.*	99.72	428.10	430.56		430.57	0.000345	0.81	152.86	154.32	0.13
TRIB1	1	13175	99.36	427.34	430.56		430.56	0.000028	0.31	329.39	163.30	0.04
TRIB1	1	13100	Culvert									
TRIB1	1	13085	99.36	425.97	427.35	427.36	427.60	0.041267	4.76	27.46	81.93	1.18
TRIB1	1	13041.2*	99.16	425.44	426.71	426.84	427.04	0.038134	4.76	24.05	76.18	1.15
TRIB1	1	12997.5*	99.15	424.91	425.98	425.96	426.21	0.025818	3.85	27.03	72.97	0.94
TRIB1	1	12953.7*	99.08	424.38	425.13	425.15	425.35	0.030836	3.81	27.83	83.82	1.00
TRIB1	1	12910	98.99	423.85	424.38		424.51	0.018145	2.99	37.11	104.63	0.78
TRIB1	1	12866.6*	98.88	423.14	423.70		423.83	0.018586	3.04	36.61	102.36	0.79
TRIB1	1	12823.3*	98.77	422.43	423.00		423.14	0.020695	3.18	35.14	100.45	0.83
TRIB1	1	12780.*	98.75	421.73	422.33		422.47	0.019706	3.16	35.57	99.95	0.81
TRIB1	1	12736.6*	98.71	421.02	421.62	421.62	421.79	0.024243	3.42	32.98	98.14	0.89
TRIB1	1	12693.3*	98.63	420.31	420.98		421.11	0.018596	3.17	36.03	99.47	0.79
TRIB1	1	12650	98.53	419.60	420.22	420.27	420.44	0.034880	3.96	28.72	95.63	1.06
TRIB1	1	12607.5*	100.02	418.64	419.28	419.33	419.53	0.034826	4.19	26.69	81.16	1.08
TRIB1	1	12565.*	101.61	417.67	418.34	418.37	418.59	0.031043	4.18	26.78	69.11	1.03
TRIB1	1	12522.5*	103.19	416.71	417.38	417.42	417.65	0.030519	4.30	26.41	63.28	1.03
TRIB1	1	12480.*	104.75	415.75	416.45	416.47	416.71	0.027100	4.29	26.97	58.91	0.99
TRIB1	1	12437.5*	106.29	414.78	415.48	415.52	415.79	0.030208	4.61	25.44	53.77	1.05
TRIB1	1	12395	82.75	413.82	414.76		414.85	0.005876	2.58	36.76	57.13	0.49
TRIB1	1	12345.*	153.39	413.04	414.03		414.29	0.015961	4.42	40.55	61.20	0.81
TRIB1	1	12295.*	154.84	412.26	413.24		413.50	0.016063	4.43	41.50	64.48	0.82
TRIB1	1	12245.*	156.21	411.49	412.45		412.70	0.015864	4.39	43.02	68.90	0.81
TRIB1	1	12195.*	157.76	410.71	411.59	411.57	411.88	0.020518	4.75	40.61	71.22	0.91
TRIB1	1	12145	154.60	409.93	410.88		411.07	0.012611	3.93	50.63	87.93	0.72
TRIB1	1	12097.*	160.67	409.14	410.22		410.47	0.014489	4.34	44.09	67.51	0.78
TRIB1	1	12049.*	161.93	408.35	409.52		409.81	0.015710	4.52	40.28	57.81	0.81
TRIB1	1	12001.*	163.81	407.57	408.81		409.13	0.016641	4.61	38.23	52.60	0.84
TRIB1	1	11953.*	165.67	406.78	408.08		408.41	0.017530	4.65	36.92	48.55	0.85
TRIB1	1	11905	167.52	405.99	407.48		407.73	0.011514	4.05	42.47	48.94	0.70
TRIB1	1	11855.*	169.47	405.57	406.98		407.24	0.011549	4.06	43.80	53.12	0.71
TRIB1	1	11805.*	171.45	405.15	406.48		406.73	0.011789	4.08	45.34	57.95	0.71
TRIB1	1	11755.*	173.47	404.74	405.98		406.21	0.011419	4.01	48.23	63.85	0.70
TRIB1	1	11705.*	175.49	404.32	405.42		405.66	0.012731	4.10	49.13	69.68	0.73
TRIB1	1	11655	177.46	403.90	404.98		405.14	0.008627	3.52	60.40	82.25	0.61
TRIB1	1	11608.9*	179.20	403.47	404.58		404.76	0.009195	3.67	57.20	75.24	0.63
TRIB1	1	11562.9*	181.06	403.03	404.16		404.35	0.009369	3.72	57.00	75.01	0.64
TRIB1	1	11516.9*	182.92	402.60	403.75		403.93	0.009113	3.68	59.00	79.65	0.63
TRIB1	1	11470.9*	184.75	402.16	403.25		403.45	0.011798	3.96	56.43	86.75	0.71
TRIB1	1	11424.96	186.48	401.73	402.88		403.00	0.007644	3.30	78.75	150.31	0.57
TRIB1	1	11378.9*	188.31	401.36	402.50		402.65	0.008026	3.40	69.48	103.86	0.59
TRIB1	1	11332.9*	190.12	400.99	402.13		402.28	0.008098	3.44	66.69	90.79	0.59
TRIB1	1	11286.9*	191.92	400.61	401.74		401.90	0.008485	3.51	64.44	84.12	0.61
TRIB1	1	11240.9*	193.67	400.24	401.36		401.52	0.008155	3.46	65.31	82.83	0.60

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	11195	195.56	399.87	400.85		401.06	0.012656	3.94	57.64	83.05	0.73
TRIB1	1	11153.3*	197.39	399.24	400.27		400.51	0.013313	4.26	55.07	77.95	0.75
TRIB1	1	11111.6*	199.21	398.60	399.65		399.94	0.016299	4.79	51.60	77.19	0.84
TRIB1	1	11070	200.85	397.97	399.30		399.36	0.003457	2.62	116.75	165.85	0.40
TRIB1	1	11023.7*	202.65	397.46	398.89		399.13	0.009137	4.22	57.45	64.59	0.65
TRIB1	1	10977.5*	204.44	396.96	398.44		398.70	0.010010	4.25	53.82	59.14	0.68
TRIB1	1	10931.2*	206.23	396.45	397.98		398.24	0.010333	4.15	53.25	58.30	0.68
TRIB1	1	10884.9*	208.01	395.95	397.53		397.78	0.010789	4.05	53.33	59.00	0.69
TRIB1	1	10838.7*	209.71	395.44	397.07		397.31	0.011352	3.97	53.71	59.85	0.70
TRIB1	1	10792.4*	211.53	394.93	396.61		396.85	0.012274	3.94	53.86	60.00	0.72
TRIB1	1	10746.2*	213.33	394.43	396.17		396.39	0.011663	3.82	55.78	59.77	0.70
TRIB1	1	10699.98	213.24	393.92	395.83		396.00	0.007679	3.31	64.42	62.62	0.58
TRIB1	1	10655.9*	203.94	393.56	395.61		395.73	0.004883	2.76	73.78	67.44	0.46
TRIB1	1	10611.9*	202.94	393.20	395.50		395.58	0.002396	2.23	93.19	83.73	0.34
TRIB1	1	10567.9*	205.05	392.84	395.46		395.51	0.001107	1.76	130.49	128.80	0.24
TRIB1	1	10524.*	207.09	392.48	395.45		395.47	0.000460	1.29	205.17	189.34	0.16
TRIB1	1	10480	209.08	392.12	395.44		395.45	0.000175	0.89	314.88	217.99	0.10
TRIB1	1	10436.0*	208.91	391.44	395.44		395.45	0.000078	0.69	407.35	217.46	0.07
TRIB1	1	10392.0*	208.75	390.77	395.44		395.44	0.000042	0.58	494.70	217.09	0.05
TRIB1	1	10348.0*	208.58	390.09	395.44		395.44	0.000026	0.50	578.10	217.42	0.04
TRIB1	1	10304.0*	208.41	389.42	395.44		395.44	0.000017	0.44	661.23	231.26	0.04
TRIB1	1	10260.08	208.19	388.74	395.44		395.44	0.000012	0.41	736.05	327.02	0.03
TRIB1	1	10200	Culvert									
TRIB1	1	10160	208.16	388.21	390.89		391.04	0.005464	3.64	77.87	90.74	0.51
TRIB1	1	10111.6*	208.12	387.62	390.48	390.15	390.88	0.010364	5.12	42.79	50.40	0.71
TRIB1	1	10063.3*	208.10	387.02	389.99		390.40	0.010402	5.16	41.37	29.89	0.71
TRIB1	1	10015	208.09	386.43	389.65		389.97	0.007531	4.64	48.12	40.59	0.61
TRIB1	1	9966.25*	208.07	385.96	389.30		389.62	0.007655	4.57	46.87	33.92	0.61
TRIB1	1	9917.5*	208.01	385.49	388.94		389.26	0.008170	4.53	46.46	32.09	0.63
TRIB1	1	9868.75*	208.01	385.02	388.43		388.80	0.011557	4.90	44.56	38.94	0.73
TRIB1	1	9820	207.97	384.55	388.24		388.36	0.004879	3.17	79.26	80.83	0.47
TRIB1	1	9777.*	209.20	384.19	387.73		388.10	0.011397	4.82	43.43	32.11	0.72
TRIB1	1	9734.*	210.46	383.83	387.35		387.70	0.010259	4.77	44.23	31.22	0.69
TRIB1	1	9691.*	211.72	383.47	387.01		387.35	0.009312	4.71	45.22	31.50	0.67
TRIB1	1	9648.*	212.97	383.11	386.68		387.02	0.008898	4.71	45.86	33.49	0.65
TRIB1	1	9605	214.22	382.75	386.36		386.72	0.008976	4.78	46.85	40.61	0.66
TRIB1	1	9555.*	215.65	382.73	385.99		386.32	0.008080	4.67	48.13	38.48	0.63
TRIB1	1	9505.*	217.09	382.71	385.63		385.95	0.007448	4.58	49.65	37.76	0.61
TRIB1	1	9455	218.52	382.69	385.31		385.61	0.006571	4.40	53.37	43.06	0.58
TRIB1	1	9407.5*	219.90	382.36	384.97		385.29	0.007011	4.57	52.04	41.71	0.60
TRIB1	1	9360.*	221.27	382.02	384.63		384.96	0.007463	4.74	51.14	40.45	0.62
TRIB1	1	9312.5*	222.64	381.69	384.28		384.63	0.007933	4.90	50.63	40.71	0.64
TRIB1	1	9265	224.01	381.36	383.89		384.28	0.009195	5.20	48.62	40.17	0.68
TRIB1	1	9220.*	225.31	380.81	383.49		383.90	0.009185	5.28	47.01	35.94	0.69
TRIB1	1	9175.*	226.60	380.26	383.10		383.52	0.009019	5.31	46.21	33.34	0.68
TRIB1	1	9130.*	227.90	379.70	382.72		383.14	0.008815	5.32	45.84	31.82	0.67
TRIB1	1	9085.*	229.19	379.15	382.33		382.76	0.008601	5.32	45.71	30.95	0.67
TRIB1	1	9040.*	230.49	378.60	381.91		382.36	0.009005	5.43	44.59	30.08	0.68
TRIB1	1	8995.*	231.79	378.04	381.52		381.98	0.008962	5.46	44.43	30.07	0.68
TRIB1	1	8950.*	233.08	377.49	381.18		381.62	0.008278	5.35	45.90	33.40	0.65
TRIB1	1	8905	234.38	376.94	380.93		381.30	0.006521	4.96	51.24	37.40	0.58
TRIB1	1	8862.5*	235.59	376.91	380.73		381.05	0.005902	4.62	54.62	39.57	0.56
TRIB1	1	8820.*	236.79	376.88	380.53		380.82	0.005511	4.36	57.70	41.78	0.54
TRIB1	1	8777.5*	238.00	376.85	380.35		380.61	0.005222	4.14	60.71	43.61	0.52
TRIB1	1	8735.*	239.20	376.81	380.16		380.40	0.005100	3.98	63.28	45.88	0.51
TRIB1	1	8692.5*	240.40	376.78	379.96		380.19	0.005282	3.91	64.52	47.91	0.52
TRIB1	1	8650	241.60	376.75	379.70		379.95	0.006276	4.00	62.68	48.95	0.56
TRIB1	1	8606.66*	242.84	376.40	379.43		379.69	0.006373	4.15	61.93	48.54	0.57
TRIB1	1	8563.33*	244.09	376.05	379.14		379.43	0.006913	4.39	59.98	47.81	0.59
TRIB1	1	8520	245.33	375.70	378.72		379.11	0.010116	5.11	52.11	44.42	0.71
TRIB1	1	8471.42*	246.65	375.41	378.30		378.66	0.009565	4.88	54.05	45.82	0.68
TRIB1	1	8422.85*	247.97	375.12	377.88		378.22	0.009314	4.70	55.66	47.35	0.67
TRIB1	1	8374.28*	249.28	374.83	377.44		377.77	0.009644	4.62	56.25	48.83	0.68
TRIB1	1	8325.71*	250.61	374.54	377.02		377.33	0.009686	4.51	57.61	50.75	0.68
TRIB1	1	8277.14*	251.93	374.25	376.62		376.91	0.009619	4.39	59.40	53.52	0.67
TRIB1	1	8228.57*	253.26	373.96	376.22		376.50	0.009282	4.24	61.92	56.78	0.66
TRIB1	1	8180	254.52	373.67	375.80		376.07	0.010076	4.24	62.16	59.71	0.68
TRIB1	1	8139.*	264.36	372.96	375.38		375.68	0.010856	4.41	61.08	56.52	0.70
TRIB1	1	8098.*	265.61	372.25	375.03		375.31	0.009613	4.25	63.01	54.56	0.66
TRIB1	1	8057.*	266.85	371.53	374.67		374.95	0.009822	4.26	62.60	50.07	0.67
TRIB1	1	8016.*	268.10	370.82	374.30		374.60	0.009642	4.37	61.29	45.83	0.67
TRIB1	1	7975	269.34	370.11	373.97		374.27	0.009321	4.41	61.03	43.31	0.66
TRIB1	1	7926.42*	270.71	369.89	373.61		373.90	0.008995	4.35	62.24	44.53	0.65
TRIB1	1	7877.85*	272.08	369.67	373.25		373.54	0.007924	4.28	63.77	44.96	0.62
TRIB1	1	7829.28*	273.45	369.45	372.91		373.20	0.006827	4.28	65.00	44.25	0.58

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	7780.71*	274.82	369.22	372.62		372.90	0.005813	4.26	66.90	43.24	0.55
TRIB1	1	7732.14*	276.02	369.00	372.36		372.64	0.005027	4.27	69.06	42.79	0.52
TRIB1	1	7683.57*	277.39	368.78	372.16		372.42	0.004276	4.25	73.45	44.92	0.49
TRIB1	1	7635	278.14	368.56	372.04		372.24	0.003186	3.97	87.92	56.19	0.43
TRIB1	1	7585.*	279.51	368.34	371.85		372.09	0.003682	4.23	82.08	53.61	0.46
TRIB1	1	7535.*	279.76	368.13	371.64		371.91	0.004251	4.49	77.07	51.66	0.49
TRIB1	1	7485.*	280.99	367.91	371.40		371.70	0.004990	4.76	73.16	51.02	0.53
TRIB1	1	7435.*	282.20	367.70	371.12		371.45	0.005948	5.02	70.84	53.24	0.57
TRIB1	1	7385	290.16	367.48	370.54	370.53	371.08	0.012642	6.43	57.32	52.68	0.81
TRIB1	1	7335.83*	290.68	366.81	369.91	369.86	370.54	0.013668	6.68	50.76	41.91	0.84
TRIB1	1	7286.66*	291.43	366.14	369.24	369.16	369.90	0.013959	6.69	48.11	36.81	0.85
TRIB1	1	7237.5*	291.95	365.48	368.56	368.46	369.22	0.014156	6.61	47.03	33.86	0.85
TRIB1	1	7188.33*	293.37	364.81	367.86	367.73	368.51	0.014482	6.54	46.77	32.72	0.86
TRIB1	1	7139.16*	294.76	364.14	367.17		367.80	0.014530	6.43	47.25	32.64	0.85
TRIB1	1	7090	296.11	363.47	366.63		367.14	0.010723	5.74	53.34	34.62	0.74
TRIB1	1	7044.28*	295.99	363.10	366.17		366.65	0.011018	5.59	54.04	36.09	0.74
TRIB1	1	6998.57*	295.86	362.73	365.71		366.17	0.011395	5.46	54.69	37.04	0.75
TRIB1	1	6952.85*	295.62	362.36	365.26		365.70	0.011664	5.32	55.66	37.94	0.75
TRIB1	1	6907.14*	293.64	361.99	364.85		365.25	0.011136	5.09	57.72	39.02	0.73
TRIB1	1	6861.42*	288.04	361.62	364.55		364.86	0.008246	4.49	64.13	41.98	0.63
TRIB1	1	6815.71*	285.87	361.25	364.38		364.59	0.004908	3.73	77.05	48.50	0.50
TRIB1	1	6770	285.84	360.88	364.28		364.42	0.002670	3.02	97.71	66.56	0.38
TRIB1	1	6728.*	298.01	360.45	364.22		364.33	0.001671	2.73	120.14	79.10	0.31
TRIB1	1	6686.*	297.97	360.01	364.19		364.28	0.001001	2.38	149.27	96.43	0.25
TRIB1	1	6644.*	297.89	359.58	364.18		364.24	0.000625	2.07	185.55	114.04	0.20
TRIB1	1	6602.*	297.78	359.14	364.19		364.21	0.000269	1.48	323.98	214.49	0.13
TRIB1	1	6560	297.66	358.71	364.19		364.20	0.000081	0.87	578.36	298.02	0.07
TRIB1	1	6520.*	297.53	358.04	364.18		364.20	0.000133	1.16	403.73	234.26	0.10
TRIB1	1	6480.*	297.44	357.36	364.18		364.19	0.000100	1.04	392.49	168.57	0.08
TRIB1	1	6440	297.35	356.69	364.18		364.19	0.000065	0.87	450.74	172.25	0.07
TRIB1	1	6400	Culvert									
TRIB1	1	6360.01	297.35	355.71	360.79		361.05	0.003817	4.10	72.60	28.03	0.44
TRIB1	1	6312.50*	292.44	356.17	360.52		360.86	0.005489	4.69	63.03	35.07	0.53
TRIB1	1	6265	297.32	356.64	360.17		360.59	0.007217	5.21	59.02	41.10	0.62
TRIB1	1	6217.5*	297.27	356.10	359.87		360.29	0.007144	5.24	57.29	36.99	0.61
TRIB1	1	6170.*	297.26	355.55	359.58		359.99	0.006489	5.13	57.97	27.28	0.59
TRIB1	1	6122.5*	297.26	355.01	359.33		359.70	0.005526	4.92	60.46	23.66	0.54
TRIB1	1	6075	297.25	354.47	359.17		359.48	0.004133	4.51	66.06	26.84	0.47
TRIB1	1	6036.25*	297.56	354.59	359.01		359.34	0.004298	4.56	66.90	38.22	0.48
TRIB1	1	5997.5*	297.86	354.71	358.86		359.18	0.004381	4.56	69.52	46.23	0.49
TRIB1	1	5958.75*	298.17	354.83	358.72		359.03	0.004185	4.51	73.56	52.26	0.48
TRIB1	1	5920	298.47	354.95	358.59		358.87	0.003832	4.38	79.10	54.69	0.47
TRIB1	1	5871.25*	298.86	354.76	358.31		358.67	0.005146	4.95	68.40	46.51	0.54
TRIB1	1	5822.5*	299.25	354.57	357.92		358.40	0.007519	5.68	59.85	43.48	0.64
TRIB1	1	5773.75*	299.64	354.37	357.44	357.39	358.03	0.011494	6.48	56.38	50.71	0.78
TRIB1	1	5725	300.03	354.18	357.25		357.40	0.003894	3.80	113.04	93.22	0.45
TRIB1	1	5685.*	300.19	353.76	356.98		357.25	0.005615	4.84	90.94	86.32	0.55
TRIB1	1	5645.*	300.22	353.33	356.78		357.04	0.004375	4.60	87.00	59.99	0.49
TRIB1	1	5605	300.55	352.91	356.68		356.89	0.002955	4.11	95.10	54.72	0.41
TRIB1	1	5562.*	326.93	352.79	356.39		356.71	0.004482	4.92	84.10	50.53	0.51
TRIB1	1	5519.*	327.28	352.66	356.15		356.52	0.005271	5.21	77.81	48.35	0.55
TRIB1	1	5476.*	327.63	352.54	355.81		356.26	0.007125	5.75	69.03	46.33	0.63
TRIB1	1	5433.*	327.97	352.41	355.46	355.27	356.00	0.009408	6.23	65.39	59.98	0.72
TRIB1	1	5390	317.05	352.29	355.34		355.54	0.004561	4.34	112.44	117.66	0.50
TRIB1	1	5343.*	328.63	351.81	354.81		355.36	0.009861	6.21	62.52	46.41	0.73
TRIB1	1	5296.*	328.98	351.33	354.35		354.91	0.010350	6.28	60.70	44.66	0.75
TRIB1	1	5249.*	329.33	350.84	353.92		354.46	0.010089	6.16	61.81	46.25	0.74
TRIB1	1	5202.*	329.68	350.36	353.59		354.05	0.008261	5.70	68.43	52.53	0.67
TRIB1	1	5155	330.02	349.88	353.40		353.71	0.005155	4.79	87.03	69.22	0.54
TRIB1	1	5108.75*	330.41	349.74	353.15		353.47	0.005462	4.93	85.69	62.22	0.55
TRIB1	1	5062.5*	330.83	349.60	352.89		353.21	0.005869	5.09	84.13	58.12	0.58
TRIB1	1	5016.25*	331.25	349.45	352.61		352.94	0.006594	5.32	81.31	55.03	0.61
TRIB1	1	4970	331.66	349.31	352.19		352.60	0.009457	6.01	71.90	50.88	0.72
TRIB1	1	4926.66*	332.01	348.97	351.75		352.25	0.010067	6.47	67.48	47.97	0.75
TRIB1	1	4883.33*	332.35	348.63	351.31		351.86	0.010200	6.71	63.99	43.82	0.76
TRIB1	1	4840	332.68	348.29	351.00		351.48	0.007728	6.22	68.34	41.65	0.67
TRIB1	1	4798.*	333.03	347.89	350.66		351.17	0.008239	6.33	66.20	40.35	0.69
TRIB1	1	4756.*	333.37	347.49	350.31		350.84	0.008662	6.42	64.41	39.36	0.71
TRIB1	1	4714.*	333.71	347.08	349.96		350.50	0.008948	6.49	63.00	38.53	0.72
TRIB1	1	4672.*	334.04	346.68	349.60		350.16	0.008930	6.48	62.33	37.94	0.72
TRIB1	1	4630	334.38	346.28	349.28		349.82	0.008185	6.30	63.61	37.91	0.69
TRIB1	1	4582.*	334.76	345.93	348.91		349.45	0.008487	6.26	63.28	38.31	0.70
TRIB1	1	4534.*	335.14	345.58	348.53		349.07	0.008847	6.24	62.71	38.72	0.71
TRIB1	1	4486.*	335.52	345.22	348.12		348.67	0.009284	6.25	61.81	39.02	0.72
TRIB1	1	4438.*	333.35	344.87	347.66		348.24	0.010278	6.36	59.16	38.60	0.75

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	4390	336.29	344.52	347.04	347.01	347.80	0.015536	7.17	50.82	35.54	0.90
TRIB1	1	4341.25*	336.64	343.85	346.32	346.26	347.01	0.014556	6.85	54.03	39.86	0.87
TRIB1	1	4292.5*	336.88	343.17	345.97		346.34	0.006634	5.13	75.90	48.95	0.61
TRIB1	1	4243.75*	337.21	342.50	345.96		346.10	0.001931	3.29	122.61	60.16	0.34
TRIB1	1	4195	337.54	341.83	345.97		346.03	0.000689	2.26	181.62	72.23	0.21
TRIB1	1	4147.5*	337.95	341.48	345.91		345.99	0.000942	2.60	157.86	64.14	0.25
TRIB1	1	4100.*	338.36	341.12	345.83		345.94	0.001314	3.00	137.63	60.77	0.29
TRIB1	1	4052.5*	338.77	340.77	345.71		345.88	0.001954	3.55	116.33	58.00	0.34
TRIB1	1	4005	339.18	340.42	345.50		345.77	0.003305	4.34	91.33	51.43	0.43
TRIB1	1	3955.*	339.57	340.99	345.26		345.59	0.004663	4.79	81.39	51.80	0.51
TRIB1	1	3905	339.95	341.56	344.76	344.55	345.35	0.011543	6.26	58.84	45.45	0.78
TRIB1	1	3856.25*	339.94	341.04	344.26		344.86	0.010982	6.43	58.86	41.15	0.77
TRIB1	1	3807.5*	339.83	340.52	343.78		344.39	0.010126	6.54	59.76	38.25	0.75
TRIB1	1	3758.75*	338.81	340.01	343.37		343.94	0.008561	6.47	63.17	37.67	0.70
TRIB1	1	3710	336.65	339.49	343.20		343.59	0.005249	5.70	78.89	44.89	0.57
TRIB1	1	3666.*	333.26	339.15	343.07		343.34	0.003348	4.43	89.63	47.93	0.45
TRIB1	1	3622.*	331.77	338.82	343.01		343.19	0.002164	3.53	104.05	51.25	0.36
TRIB1	1	3578.	314.01	338.48	342.98		343.09	0.001304	2.73	120.95	54.73	0.28
TRIB1	2	3534.	562.03	338.15	342.41		342.93	0.004727	6.13	112.53	52.28	0.56
TRIB1	2	3490	562.02	337.81	342.35		342.72	0.003067	5.21	133.70	64.49	0.45
TRIB1	2	3440.71*	562.01	337.54	342.18		342.58	0.003332	5.42	127.06	54.20	0.47
TRIB1	2	3391.42*	562.00	337.27	342.00		342.42	0.003597	5.61	124.61	53.61	0.49
TRIB1	2	3342.14*	561.98	337.00	341.82		342.25	0.003822	5.77	124.11	54.75	0.50
TRIB1	2	3292.85*	561.97	336.72	341.65		342.08	0.003963	5.87	127.46	60.63	0.51
TRIB1	2	3243.57*	561.96	336.45	341.50		341.89	0.003801	5.76	135.35	65.74	0.50
TRIB1	2	3194.28*	561.94	336.18	341.38		341.71	0.003348	5.44	148.71	71.46	0.47
TRIB1	2	3145	561.92	335.91	341.29		341.54	0.002759	4.98	166.62	76.99	0.42
TRIB1	2	3098.12*	562.96	335.85	341.06		341.42	0.003642	5.62	137.70	62.41	0.49
TRIB1	2	3051.25*	563.99	335.78	340.81		341.26	0.004311	5.96	122.51	55.08	0.53
TRIB1	2	3004.37*	565.03	335.72	340.57		341.06	0.004700	6.06	115.51	51.84	0.55
TRIB1	2	2957.5*	566.07	335.65	340.34		340.83	0.004825	5.97	113.83	50.55	0.55
TRIB1	2	2910.62*	567.11	335.59	340.13		340.59	0.004774	5.79	115.79	51.51	0.55
TRIB1	2	2863.75*	568.15	335.53	339.96		340.37	0.004450	5.48	122.35	54.98	0.53
TRIB1	2	2816.87*	569.19	335.46	339.84		340.17	0.003803	5.00	135.71	61.71	0.49
TRIB1	2	2770	570.23	335.40	339.78		340.01	0.002803	4.30	167.62	83.03	0.42
TRIB1	2	2728.75*	571.14	335.17	339.48		339.88	0.004523	5.37	127.07	61.89	0.53
TRIB1	2	2687.5*	572.05	334.95	339.02		339.66	0.007895	6.72	99.52	54.32	0.69
TRIB1	2	2646.25*	572.96	334.72	338.50	338.52	339.39	0.012959	8.00	86.18	55.56	0.86
TRIB1	2	2605	573.87	334.49	338.29		338.65	0.006766	5.78	134.25	83.66	0.62
TRIB1	2	2558.75*	574.90	334.13	337.93		338.34	0.007203	5.97	130.05	86.16	0.64
TRIB1	2	2512.5*	575.93	333.78	337.52		337.99	0.008106	6.24	122.06	85.79	0.68
TRIB1	2	2466.25*	576.97	333.42	337.14		337.65	0.008348	6.29	118.31	86.79	0.69
TRIB1	2	2420.*	577.82	333.07	336.72	336.63	337.30	0.009117	6.45	111.54	87.95	0.72
TRIB1	2	2373.75*	578.95	332.71	336.30	336.02	336.92	0.009784	6.55	104.89	89.85	0.74
TRIB1	2	2327.5*	580.08	332.35	335.84		336.46	0.010215	6.49	99.39	67.77	0.75
TRIB1	2	2281.25*	581.21	332.00	335.43		336.00	0.009823	6.24	103.56	67.57	0.74
TRIB1	2	2235	582.33	331.64	335.32		335.62	0.004871	4.71	152.73	106.05	0.53
TRIB1	2	2190.*	582.32	331.44	335.06		335.42	0.005591	5.10	139.57	110.76	0.57
TRIB1	2	2145.*	582.31	331.23	334.70		335.15	0.006934	5.60	122.40	100.94	0.63
TRIB1	2	2100.*	582.30	331.03	334.39		334.86	0.007318	5.75	121.70	97.12	0.65
TRIB1	2	2055.*	582.27	330.82	334.12		334.55	0.006883	5.63	126.02	90.36	0.63
TRIB1	2	2010.*	582.27	330.61	333.90		334.27	0.005766	5.29	137.74	91.63	0.58
TRIB1	2	1965	582.27	330.41	333.75		334.04	0.004313	4.77	155.60	92.85	0.51
TRIB1	2	1915.*	582.57	330.01	333.47		333.82	0.005130	5.20	142.42	92.44	0.55
TRIB1	2	1865.*	582.88	329.60	333.09		333.54	0.006488	5.74	126.39	90.00	0.62
TRIB1	2	1815	583.16	329.20	332.74		333.23	0.007080	5.95	119.10	82.75	0.64
TRIB1	2	1770.*	583.44	328.71	332.49		332.97	0.006335	6.00	125.19	86.93	0.62
TRIB1	2	1725.*	583.69	328.22	332.24		332.73	0.005994	6.17	127.05	83.16	0.61
TRIB1	2	1680.*	583.94	327.72	331.89		332.50	0.007387	7.06	112.94	70.33	0.68
TRIB1	2	1635	584.20	327.23	331.49	331.25	332.51	0.011734	9.05	87.67	51.35	0.86
TRIB1	2	1595.*	584.48	326.85	331.03	330.98	332.02	0.011334	8.73	84.99	45.06	0.84
TRIB1	2	1555.*	584.75	326.47	330.60	330.51	331.56	0.010562	8.35	85.54	44.76	0.81
TRIB1	2	1515.*	585.03	326.08	330.30		331.10	0.008448	7.58	92.05	46.32	0.72
TRIB1	2	1500	Lat Struct									
TRIB1	2	1475	585.30	325.70	330.16		330.75	0.005608	6.46	107.40	50.65	0.60
TRIB1	2	1435.00*	585.53	325.97	330.04		330.53	0.005143	5.87	114.78	54.39	0.57
TRIB1	2	1395.01	585.76	326.24	329.98		330.34	0.003670	4.97	132.75	59.05	0.48
TRIB1	2	1347.50*	586.03	326.33	329.75		330.16	0.005016	5.37	133.93	93.57	0.55
TRIB1	2	1300	586.30	326.43	329.70		329.94	0.003793	4.46	176.63	116.48	0.47
TRIB1	2	1263.33*	586.30	326.11	329.31	329.34	329.89	0.009195	6.76	122.24	118.83	0.73
TRIB1	2	1226.66*	586.30	325.79	328.92	329.01	329.71	0.014994	8.35	99.49	77.22	0.92
TRIB1	2	1190	586.23	325.47	328.43	328.43	328.96	0.017333	8.20	118.17	118.30	0.94
ALDER	1	17980	145.35	344.61	347.80		348.02	0.004881	3.73	40.15	31.69	0.49
ALDER	1	17934.1*	145.35	344.54	347.62		347.83	0.004963	3.76	40.56	33.16	0.50
ALDER	1	17888.3*	145.35	344.46	347.43		347.64	0.005033	3.79	41.03	33.83	0.50

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17842.5*	145.35	344.39	347.23		347.45	0.005147	3.82	41.47	35.13	0.51
ALDER	1	17796.6*	145.34	344.32	347.03		347.25	0.005269	3.85	42.35	38.30	0.51
ALDER	1	17750.8*	145.33	344.24	346.79		347.01	0.005767	3.94	42.56	41.51	0.54
ALDER	1	17705	145.33	344.17	346.56		346.77	0.005927	3.93	44.54	46.74	0.54
ALDER	1	17663.7*	146.08	343.76	346.24		346.51	0.006802	4.35	39.24	36.28	0.59
ALDER	1	17622.5*	146.84	343.35	345.95		346.27	0.007524	4.73	36.65	33.19	0.62
ALDER	1	17581.2*	147.60	342.93	345.67		346.05	0.008587	5.22	34.82	34.01	0.66
ALDER	1	17540	148.36	342.52	345.49	345.48	345.82	0.007755	5.20	44.39	72.50	0.63
ALDER	1	17490.4*	149.21	342.38	345.26		345.55	0.006978	4.92	47.28	70.52	0.60
ALDER	1	17440.9*	150.06	342.24	345.04		345.29	0.006317	4.66	50.00	68.80	0.57
ALDER	1	17391.3*	150.90	342.11	344.81		345.03	0.005843	4.45	52.18	66.98	0.55
ALDER	1	17341.8*	151.75	341.97	344.55		344.76	0.005930	4.40	52.24	64.71	0.56
ALDER	1	17292.2*	152.59	341.83	344.26		344.49	0.006569	4.51	50.47	62.15	0.58
ALDER	1	17242.7*	153.44	341.69	343.99		344.22	0.006898	4.51	49.96	60.22	0.59
ALDER	1	17193.1*	154.29	341.55	343.73		343.95	0.006971	4.44	50.22	58.50	0.60
ALDER	1	17143.6*	155.14	341.41	343.48		343.68	0.006949	4.34	50.79	57.25	0.59
ALDER	1	17094.0*	155.99	341.28	343.23		343.42	0.006936	4.25	51.57	56.94	0.59
ALDER	1	17044.5*	156.84	341.14	342.97		343.16	0.006895	4.15	52.72	58.04	0.58
ALDER	1	16995	157.69	341.00	342.70		342.87	0.007226	4.11	53.30	60.17	0.59
ALDER	1	16950.8*	158.49	340.58	342.43		342.64	0.008437	4.41	51.24	65.47	0.64
ALDER	1	16906.6*	159.28	340.17	342.16		342.40	0.009558	4.67	49.60	72.25	0.68
ALDER	1	16862.5*	160.08	339.76	341.86		342.12	0.009999	4.69	48.44	69.79	0.69
ALDER	1	16818.3*	160.88	339.34	341.55		341.80	0.010343	4.64	48.30	69.54	0.69
ALDER	1	16774.1*	161.68	338.93	341.23		341.44	0.009399	4.29	50.17	66.63	0.66
ALDER	1	16730	162.48	338.51	340.92		341.09	0.008281	3.89	51.86	61.32	0.61
ALDER	1	16684.2*	163.28	338.02	340.52		340.73	0.008694	4.11	50.29	59.83	0.63
ALDER	1	16638.5*	164.07	337.54	340.11		340.35	0.009526	4.38	47.41	59.90	0.66
ALDER	1	16592.8*	164.87	337.05	339.65	339.61	339.97	0.011568	4.80	41.90	59.58	0.73
ALDER	1	16547.1*	165.66	336.57	339.18	339.04	339.57	0.012920	5.04	36.60	54.75	0.77
ALDER	1	16501.4*	166.46	336.08	338.71		339.10	0.013073	5.05	33.27	36.23	0.77
ALDER	1	16455.7*	167.26	335.60	338.25		338.62	0.012020	4.85	34.47	27.00	0.74
ALDER	1	16410	168.06	335.11	337.86		338.17	0.009592	4.46	37.72	28.48	0.67
ALDER	1	16364.1*	168.87	334.74	337.51		337.83	0.009767	4.53	37.33	29.41	0.67
ALDER	1	16318.3*	169.68	334.37	337.16		337.49	0.009663	4.61	37.00	30.32	0.67
ALDER	1	16272.5*	170.49	334.01	336.81		337.15	0.009635	4.70	36.73	31.66	0.68
ALDER	1	16226.6*	171.30	333.64	336.46		336.82	0.009498	4.78	36.76	33.78	0.68
ALDER	1	16180.8*	172.11	333.27	336.15		336.50	0.008595	4.73	38.37	38.58	0.65
ALDER	1	16135	172.91	332.90	335.92		336.21	0.006609	4.43	44.14	49.23	0.58
ALDER	1	16089.*	173.72	332.83	335.64		335.96	0.007356	4.67	41.48	35.77	0.61
ALDER	1	16043.*	174.52	332.75	335.33		335.68	0.008576	4.96	40.59	36.91	0.66
ALDER	1	15997.*	175.33	332.68	334.93		335.34	0.011585	5.48	38.68	40.80	0.76
ALDER	1	15951.*	176.13	332.60	334.60	334.58	334.95	0.011379	5.29	45.50	59.33	0.75
ALDER	1	15905	176.93	332.53	334.40		334.56	0.005890	3.91	62.28	63.13	0.54
ALDER	1	15856.*	177.82	331.89	334.16		334.35	0.005749	4.13	61.62	66.09	0.54
ALDER	1	15807.*	178.69	331.25	333.70	333.71	334.06	0.009961	5.34	48.52	77.86	0.71
ALDER	1	15758.*	179.58	330.62	333.20	333.30	333.69	0.013736	6.04	41.22	71.47	0.82
ALDER	1	15709.*	180.47	329.98	332.57	332.60	333.06	0.017934	6.26	36.10	42.35	0.91
ALDER	1	15660	181.34	329.34	331.89		332.15	0.014842	5.09	50.03	77.69	0.80
ALDER	1	15611.2*	182.20	328.45	331.18	331.42	331.94	0.025992	7.35	30.36	47.00	1.08
ALDER	1	15562.5*	183.07	327.57	330.31	330.41	331.19	0.025534	7.52	24.49	17.77	1.08
ALDER	1	15513.7*	183.89	326.68	329.46	329.45	330.18	0.019765	6.85	27.23	22.68	0.97
ALDER	1	15465	184.67	325.80	328.93		329.26	0.007202	4.83	45.37	45.30	0.61
ALDER	1	15426.2*	185.03	325.47	328.70		329.02	0.006045	4.69	46.04	42.35	0.57
ALDER	1	15387.5*	185.18	325.14	328.55		328.80	0.004253	4.23	52.70	45.62	0.48
ALDER	1	15348.7*	185.55	324.82	328.50		328.67	0.002515	3.56	68.33	54.94	0.38
ALDER	1	15310	186.28	324.49	328.47		328.58	0.001493	2.98	83.75	52.74	0.30
ALDER	1	15263.3*	185.84	324.57	328.38		328.51	0.002014	3.23	75.36	53.40	0.34
ALDER	1	15216.6*	182.45	324.65	328.24		328.40	0.002878	3.52	67.59	58.68	0.40
ALDER	1	15170	182.34	324.73	328.22		328.28	0.001528	2.38	110.67	101.48	0.28
ALDER	1	15125.*	181.24	324.30	328.18		328.22	0.000808	1.99	138.34	108.85	0.21
ALDER	1	15080.	181.23	323.87	328.17		328.19	0.000363	1.50	179.05	108.50	0.15
ALDER	2a	15035.	765.42	323.45	327.73		328.04	0.005052	5.69	188.17	109.26	0.56
ALDER	2a	14990.*	765.41	323.02	327.69		327.86	0.002348	4.14	255.29	134.39	0.39
ALDER	2a	14945	765.41	322.59	327.71		327.77	0.000734	2.48	405.31	163.24	0.22
ALDER	2a	14899.1*	765.40	322.52	327.57		327.73	0.001906	3.92	272.29	139.79	0.35
ALDER	2a	14853.3*	765.36	322.44	327.33		327.63	0.003439	5.08	196.20	99.96	0.47
ALDER	2a	14807.5*	765.35	322.36	327.07		327.46	0.004328	5.48	166.77	77.54	0.52
ALDER	2a	14761.6*	765.02	322.29	326.72		327.23	0.006032	6.10	142.83	66.45	0.61
ALDER	2a	14715.8*	764.07	322.22	326.60		326.98	0.004870	5.42	188.91	166.46	0.54
ALDER	2a	14670	764.44	322.14	326.69		326.74	0.000802	2.27	441.88	226.50	0.22
ALDER	2a	14623.*	803.38	322.14	326.62		326.69	0.001131	2.50	412.33	230.94	0.26
ALDER	2a	14576.*	803.37	322.15	326.55		326.63	0.001419	2.56	388.52	235.96	0.28
ALDER	2a	14529.*	803.36	322.15	326.47		326.55	0.001729	2.53	369.41	227.39	0.31
ALDER	2a	14482.*	803.35	322.16	326.38		326.46	0.002025	2.54	352.46	222.27	0.33
ALDER	2a	14435	803.34	322.16	326.27		326.36	0.002201	2.59	336.04	208.23	0.34

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14385.*	803.33	322.17	326.01		326.19	0.005876	3.96	252.43	226.99	0.54
ALDER	2a	14335.*	803.32	322.19	325.60		325.85	0.008882	4.49	209.78	190.37	0.65
ALDER	2a	14285.*	803.31	322.21	325.24		325.45	0.007638	3.85	217.98	180.06	0.60
ALDER	2a	14235	803.31	322.22	325.00		325.17	0.004921	3.09	243.64	171.21	0.48
ALDER	2a	14192.*	803.31	321.32	324.53	324.64	325.32	0.018087	7.18	117.59	105.15	0.96
ALDER	2a	14149.*	803.30	320.42	323.82	323.78	324.65	0.016146	7.30	112.83	73.48	0.92
ALDER	2a	14106.*	803.30	319.52	323.21	323.00	324.01	0.012814	7.18	115.34	64.73	0.84
ALDER	2a	14063.*	803.29	318.62	322.78		323.48	0.008782	6.79	124.35	59.99	0.72
ALDER	2a	14020	803.29	317.72	322.57		323.15	0.005463	6.26	140.21	59.94	0.59
ALDER	2a	13975.*	803.69	317.77	322.31		322.90	0.005846	6.31	140.52	66.81	0.61
ALDER	2a	13930.*	804.10	317.82	322.06		322.65	0.006238	6.34	142.40	77.51	0.62
ALDER	2a	13885.*	804.50	317.86	321.76		322.36	0.006885	6.41	142.90	81.31	0.65
ALDER	2a	13840	804.90	317.91	321.42		322.03	0.008055	6.57	142.78	89.86	0.69
ALDER	2a	13795.*	805.37	317.52	321.00		321.64	0.009457	6.94	139.71	89.71	0.75
ALDER	2a	13750	805.83	317.13	320.78		321.23	0.006721	6.11	171.90	114.37	0.64
ALDER	2a	13703.7*	806.27	316.77	320.33		320.90	0.008303	6.64	145.88	84.31	0.70
ALDER	2a	13657.5*	806.73	316.40	319.93		320.52	0.008321	6.59	144.41	83.21	0.70
ALDER	2a	13611.2*	807.17	316.04	319.52		320.13	0.008610	6.61	142.16	86.01	0.71
ALDER	2a	13565	807.61	315.67	319.08		319.73	0.009415	6.76	136.47	89.32	0.74
ALDER	2a	13525.*	807.96	315.11	318.75		319.37	0.007829	6.42	132.56	63.38	0.68
ALDER	2a	13485.*	808.34	314.55	318.64		319.09	0.004730	5.42	153.89	59.69	0.54
ALDER	2a	13445	808.73	313.99	318.62		318.94	0.002800	4.54	182.57	59.89	0.42
ALDER	2a	13399.*	809.06	313.78	318.50		318.81	0.002860	4.53	185.10	64.59	0.43
ALDER	2a	13353.*	809.39	313.57	318.40		318.69	0.002635	4.36	196.17	71.87	0.41
ALDER	2a	13307.*	809.71	313.35	318.35		318.58	0.002115	3.99	221.50	84.15	0.37
ALDER	2a	13261.*	809.96	313.14	318.34		318.50	0.001418	3.39	273.61	106.00	0.31
ALDER	2a	13215	810.29	312.93	318.37		318.44	0.000643	2.40	415.30	175.74	0.21
ALDER	2a	13187.5*	810.86	312.72	318.30		318.42	0.001021	3.10	339.39	142.45	0.26
ALDER	2a	13160	811.37	312.52	318.14		318.37	0.002144	4.52	244.54	125.49	0.38
ALDER	2a	13132.5*	811.64	311.79	318.09		318.32	0.001973	4.43	261.36	137.51	0.36
ALDER	2a	13105	811.97	311.06	318.13		318.24	0.001041	3.31	358.24	169.34	0.26
ALDER	2a	13056.6*	812.36	311.09	317.94		318.21	0.002292	4.74	241.86	132.23	0.38
ALDER	2a	13008.3*	812.77	311.12	317.65		318.10	0.003811	5.81	175.73	88.00	0.48
ALDER	2a	12960.*	813.17	311.15	317.30		317.90	0.005692	6.69	147.46	61.68	0.57
ALDER	2a	12911.6*	813.59	311.19	316.80		317.62	0.008825	7.83	126.53	58.43	0.70
ALDER	2a	12863.3*	814.00	311.22	316.17	316.24	317.24	0.015366	9.19	109.45	58.07	0.88
ALDER	2a	12815	814.40	311.25	315.71		316.34	0.010465	7.78	146.79	118.54	0.78
ALDER	2a	12771.6*	814.87	310.75	315.38		315.88	0.009000	7.10	170.88	117.48	0.69
ALDER	2a	12728.3*	815.31	310.24	314.93		315.49	0.009187	7.53	168.80	118.85	0.72
ALDER	2a	12685	815.76	309.74	314.36	314.52	315.17	0.011600	8.85	151.20	121.12	0.84
ALDER	2a	12645.*	816.12	309.55	313.85	314.01	314.72	0.013609	8.89	135.65	102.77	0.90
ALDER	2a	12605.*	816.47	309.35	313.54		314.07	0.009425	7.13	161.85	106.27	0.74
ALDER	2a	12565	816.83	309.16	313.49		313.74	0.004261	4.91	221.92	114.34	0.50
ALDER	2a	12530.*	817.14	309.20	313.31		313.59	0.005025	5.23	211.13	114.81	0.54
ALDER	2a	12495.*	817.46	309.24	313.08		313.40	0.006317	5.67	196.15	115.75	0.60
ALDER	2a	12460	817.78	309.28	312.74		313.14	0.009250	6.40	172.18	107.65	0.72
ALDER	2a	12412.5*	818.23	308.03	311.99	312.06	312.78	0.014261	8.58	132.45	92.50	0.91
ALDER	2a	12365	818.69	306.78	311.64		312.13	0.006753	6.90	181.98	118.25	0.65
ALDER	2a	12328.3*	819.02	306.71	311.39		311.89	0.006784	6.81	182.26	125.20	0.65
ALDER	2a	12291.6*	819.36	306.64	311.20		311.64	0.005861	6.32	192.15	128.27	0.60
ALDER	2a	12255	819.70	306.57	311.10		311.42	0.004349	5.52	221.95	140.08	0.52
ALDER	2a	12215.*	820.06	306.18	310.89		311.26	0.004622	5.70	210.09	135.34	0.54
ALDER	2a	12175.*	820.43	305.79	310.67		311.08	0.004993	5.93	201.07	135.24	0.56
ALDER	2a	12135	820.79	305.40	310.45		310.89	0.005003	5.97	197.92	138.37	0.56
ALDER	2a	12093.3*	821.18	305.11	310.06		310.67	0.007008	6.87	156.51	97.68	0.66
ALDER	2a	12051.6*	821.58	304.83	309.72		310.38	0.007746	7.14	150.73	93.17	0.69
ALDER	2a	12010	821.97	304.54	309.37		310.05	0.008195	7.27	147.41	87.19	0.70
ALDER	2a	11971.6*	822.35	304.27	308.96	308.91	309.76	0.010460	7.85	136.37	90.61	0.79
ALDER	2a	11933.3*	822.73	303.99	308.63		309.29	0.009763	7.33	147.99	93.69	0.75
ALDER	2a	11895	823.10	303.72	308.58		308.90	0.005001	5.38	202.19	106.23	0.54
ALDER	2a	11846.6*	823.51	303.61	308.36		308.68	0.005057	5.23	205.76	108.71	0.54
ALDER	2a	11798.3*	823.91	303.50	308.13		308.44	0.005215	5.10	207.25	110.93	0.55
ALDER	2a	11750	824.32	303.39	307.87		308.19	0.005732	5.11	203.85	110.30	0.57
ALDER	2a	11703.3*	824.75	303.15	307.48		307.91	0.007296	5.76	181.78	113.11	0.64
ALDER	2a	11656.6*	825.18	302.90	307.07		307.56	0.007972	6.03	162.38	102.80	0.67
ALDER	2a	11610	825.61	302.66	306.78		307.22	0.006366	5.61	172.23	102.68	0.61
ALDER	2a	11560.*	826.06	302.16	306.36		306.89	0.007045	6.02	153.00	74.46	0.64
ALDER	2a	11510.*	826.52	301.66	305.93		306.54	0.007593	6.34	141.41	70.15	0.67
ALDER	2a	11460.*	826.97	301.16	305.49		306.15	0.007975	6.56	132.07	61.24	0.69
ALDER	2a	11410.*	827.43	300.67	305.05		305.75	0.008219	6.72	126.85	54.27	0.70
ALDER	2a	11360.*	827.89	300.17	304.59		305.33	0.008776	6.95	121.89	50.54	0.72
ALDER	2a	11310.*	828.35	299.67	304.02		304.88	0.010528	7.43	113.66	48.39	0.78
ALDER	2a	11260	828.80	299.17	303.45	303.21	304.44	0.012915	8.02	106.63	53.81	0.86
ALDER	2a	11219.*	829.18	298.45	302.92	302.67	303.95	0.013022	8.16	104.15	49.80	0.87
ALDER	2a	11178.*	829.55	297.72	302.39	302.11	303.45	0.012955	8.27	102.24	45.89	0.87

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			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	11137.*	829.93	297.00	301.88	301.55	302.94	0.012467	8.28	101.75	43.00	0.85
ALDER	2a	11096.*	830.31	296.27	301.40		302.43	0.011443	8.15	103.44	41.24	0.81
ALDER	2a	11055	830.68	295.55	300.97		301.93	0.010083	7.84	107.81	40.86	0.75
ALDER	2a	11012.*	831.08	295.50	300.59		301.49	0.009714	7.60	111.55	42.49	0.75
ALDER	2a	10969.*	831.47	295.45	300.24		301.06	0.009265	7.29	116.46	45.03	0.74
ALDER	2a	10926.*	831.86	295.41	299.97		300.69	0.007847	6.83	125.36	49.71	0.69
ALDER	2a	10883.*	832.25	295.36	299.79		300.38	0.006016	6.20	140.66	55.08	0.61
ALDER	2a	10840	832.64	295.31	299.70		300.15	0.004226	5.47	163.96	62.92	0.52
ALDER	2a	10793.6*	833.07	295.05	299.47		299.95	0.004666	5.63	158.89	63.81	0.54
ALDER	2a	10747.3*	833.49	294.78	299.21		299.72	0.005230	5.81	153.88	65.73	0.57
ALDER	2a	10701.0*	833.92	294.52	298.92		299.47	0.005952	6.02	149.03	69.00	0.60
ALDER	2a	10654.7*	834.34	294.25	298.57		299.18	0.007178	6.35	142.26	74.24	0.66
ALDER	2a	10608.41	834.76	293.99	298.15	297.73	298.86	0.009345	6.85	133.86	85.91	0.74
ALDER	2a	10566.3*	835.14	293.60	297.75	297.49	298.49	0.009359	7.11	136.30	82.14	0.74
ALDER	2a	10524.2*	835.53	293.21	297.31	297.14	298.11	0.010053	7.56	133.85	76.15	0.78
ALDER	2a	10482.1*	835.91	292.83	296.73	296.76	297.74	0.013196	8.63	120.86	67.74	0.89
ALDER	2a	10440	836.29	292.44	295.98	296.37	297.53	0.022748	10.87	98.26	57.91	1.16
ALDER	2a	10391.6*	836.65	291.00	294.94	295.37	296.71	0.021868	11.39	89.69	44.04	1.15
ALDER	2a	10343.3*	837.05	289.56	294.00	294.35	295.74	0.018321	11.29	90.92	39.53	1.07
ALDER	2a	10295	837.13	288.12	293.27	293.35	294.77	0.013150	10.61	99.37	37.53	0.93
ALDER	2a	10247.1*	848.06	288.05	292.81	292.68	293.99	0.011121	9.18	110.44	44.57	0.84
ALDER	2a	10199.2*	848.50	287.98	292.48		293.40	0.009301	8.02	122.23	51.44	0.77
ALDER	2a	10151.4*	848.89	287.91	292.23		292.96	0.007755	7.08	135.40	58.09	0.69
ALDER	2a	10103.5*	849.33	287.85	291.98		292.59	0.006878	6.44	146.77	65.42	0.65
ALDER	2a	10055.7*	849.62	287.78	291.73		292.27	0.006401	5.98	156.09	73.19	0.62
ALDER	2a	10007.8*	849.49	287.71	291.47		291.96	0.006334	5.70	162.26	81.66	0.61
ALDER	2a	9960	848.11	287.64	291.14		291.63	0.007249	5.71	159.47	90.09	0.64
ALDER	2a	9915.*	847.14	287.01	290.88		291.33	0.005788	5.48	167.47	86.00	0.59
ALDER	2a	9870.*	845.33	286.38	290.70		291.10	0.004351	5.15	181.73	85.98	0.52
ALDER	2a	9825.*	844.62	285.74	290.59		290.92	0.003162	4.78	206.69	97.11	0.45
ALDER	2a	9780	843.59	285.11	290.55		290.79	0.002047	4.19	261.97	118.82	0.37
ALDER	2a	9732.5*	841.74	285.27	290.43		290.69	0.002274	4.54	247.83	93.41	0.39
ALDER	2a	9685	836.34	285.42	290.29		290.57	0.002533	4.93	233.62	76.57	0.42
ALDER	2a	9642.5*	832.80	285.02	290.21		290.46	0.002422	4.72	243.48	77.13	0.39
ALDER	2a	9600.	821.20	284.61	290.14		290.35	0.002190	4.50	254.06	77.50	0.35
ALDER	2	9557.5	1330.19	284.21	289.31		290.08	0.008747	7.48	210.36	70.31	0.64
ALDER	2	9515.*	1330.18	283.80	288.92		289.71	0.009083	7.50	205.57	69.75	0.65
ALDER	2	9472.5*	1330.16	283.40	288.49		289.32	0.009851	7.61	199.18	70.09	0.68
ALDER	2	9430	1330.15	282.99	287.97		288.90	0.011968	7.99	187.09	71.15	0.74
ALDER	2	9391.66*	1330.57	282.38	287.51		288.46	0.011645	8.05	184.67	65.50	0.73
ALDER	2	9353.33*	1330.99	281.77	287.12		288.03	0.010641	7.94	188.86	63.84	0.70
ALDER	2	9315	1331.41	281.16	286.83		287.65	0.008978	7.62	199.93	64.24	0.65
ALDER	2	9271.25*	1331.92	280.79	286.42		287.26	0.009362	7.63	199.83	67.55	0.66
ALDER	2	9227.5*	1332.43	280.42	285.96		286.83	0.010310	7.77	196.78	71.99	0.69
ALDER	2	9183.75*	1332.93	280.04	285.42		286.36	0.012307	8.10	190.66	79.66	0.74
ALDER	2	9140	1333.38	279.67	285.01		285.83	0.011743	7.72	212.67	101.87	0.72
ALDER	2	9105.*	1333.78	279.22	284.76		285.43	0.009065	7.01	239.84	114.40	0.64
ALDER	2	9070.*	1334.16	278.76	284.69		285.14	0.005590	5.85	291.04	117.38	0.51
ALDER	2	9035	1334.55	278.31	284.65		284.96	0.003534	4.94	345.25	119.06	0.41
ALDER	2	8996.25*	1334.97	278.16	284.33		284.82	0.005215	5.98	269.97	90.78	0.50
ALDER	2	8957.5*	1335.39	278.01	284.04		284.62	0.006186	6.51	246.12	79.70	0.54
ALDER	2	8918.75*	1335.81	277.86	283.63		284.37	0.008255	7.37	217.87	72.76	0.63
ALDER	2	8880	1336.23	277.71	282.87	282.79	284.10	0.015973	9.47	168.95	64.89	0.85
ALDER	2	8833.75*	1336.73	277.36	282.15	281.98	283.37	0.016168	9.20	164.86	63.27	0.85
ALDER	2	8787.5*	1337.22	277.01	281.47		282.59	0.015845	8.75	168.04	62.97	0.84
ALDER	2	8741.25*	1337.72	276.66	280.86		281.86	0.015038	8.25	175.67	65.90	0.81
ALDER	2	8695	1338.21	276.31	280.28		281.18	0.014448	7.83	183.52	69.92	0.79
ALDER	2	8645.*	1338.79	275.29	279.54		280.49	0.014399	7.97	180.67	69.10	0.79
ALDER	2	8595.*	1339.36	274.26	278.81		279.79	0.014325	8.12	178.16	69.24	0.79
ALDER	2	8545.*	1339.93	273.23	278.23		279.13	0.011857	7.79	189.71	75.90	0.73
ALDER	2	8495	1340.49	272.21	278.08		278.62	0.005995	6.24	259.22	96.80	0.53
ALDER	2	8450.*	1340.94	271.92	277.59		278.32	0.008153	6.96	206.92	76.17	0.61
ALDER	2	8405.*	1341.46	271.63	277.23		277.95	0.008262	6.85	204.28	68.40	0.61
ALDER	2	8360.*	1341.98	271.35	276.91		277.58	0.007900	6.60	212.78	73.69	0.60
ALDER	2	8315.*	1342.49	271.06	276.66		277.24	0.006998	6.20	229.79	78.47	0.56
ALDER	2	8270.*	1343.00	270.77	276.47		276.95	0.005793	5.69	254.45	84.09	0.51
ALDER	2	8225	1343.51	270.48	276.33		276.72	0.004537	5.13	287.45	92.21	0.46
ALDER	2	8179.28*	1344.01	270.30	276.11		276.52	0.004665	5.25	282.74	92.89	0.46
ALDER	2	8133.57*	1344.52	270.12	275.88		276.31	0.004818	5.38	278.23	94.10	0.47
ALDER	2	8087.85*	1345.02	269.94	275.64		276.09	0.004991	5.51	274.42	96.13	0.48
ALDER	2	8042.14*	1345.38	269.77	275.40		275.86	0.005170	5.65	271.55	98.55	0.49
ALDER	2	7996.42*	1345.90	269.59	275.14		275.62	0.005358	5.78	270.03	102.28	0.50
ALDER	2	7950.71*	1346.41	269.41	274.89		275.38	0.005478	5.88	272.45	109.13	0.51
ALDER	2	7905	1346.92	269.23	274.67		275.14	0.005201	5.80	287.09	117.85	0.50
ALDER	2	7861.25*	1347.38	268.93	274.45		274.91	0.005027	5.75	286.14	109.96	0.49

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

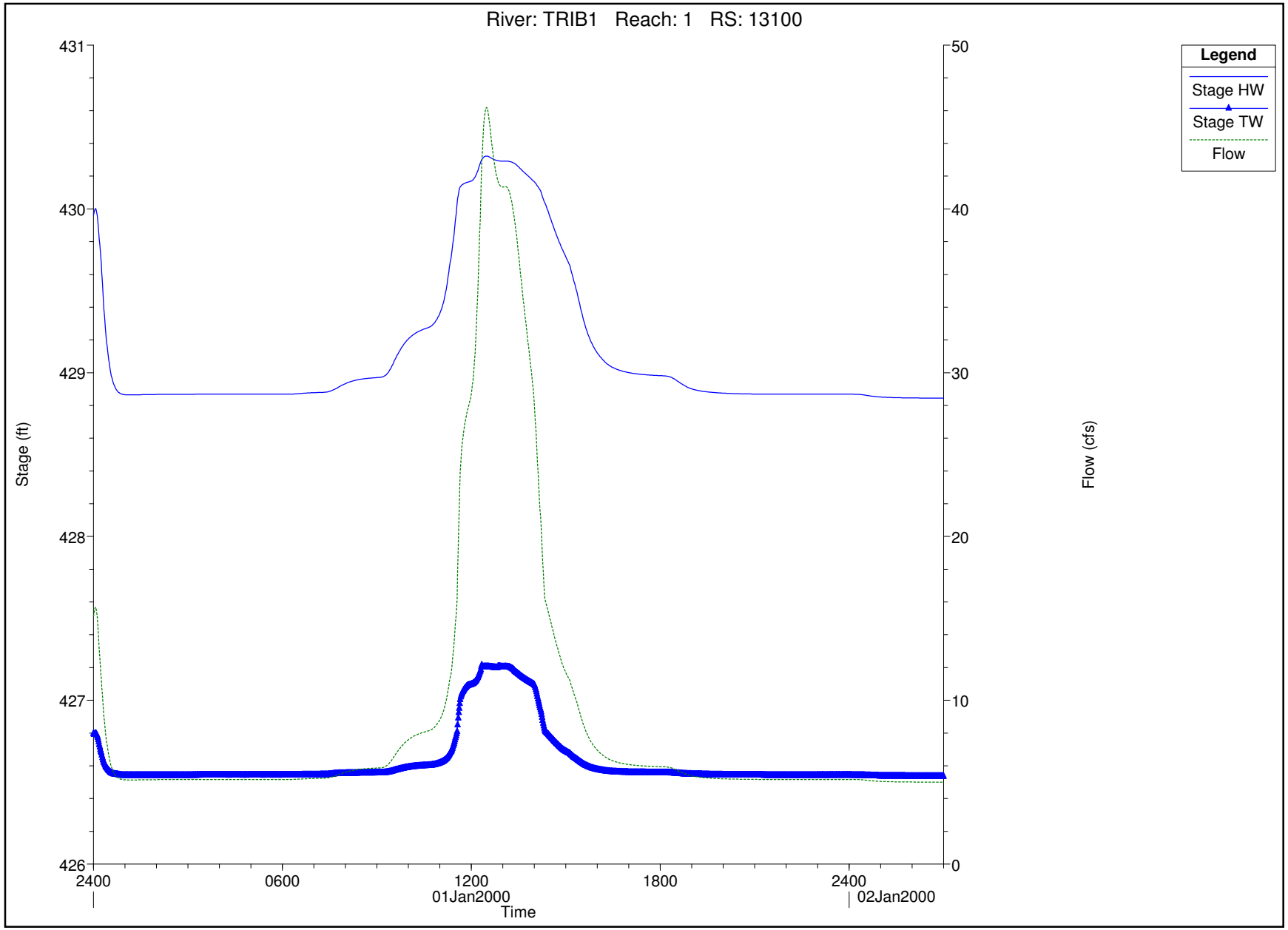
River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	7817.5*	1347.83	268.63	274.25		274.70	0.004828	5.68	287.33	104.16	0.48
ALDER	2	7773.75*	1348.29	268.33	274.06		274.50	0.004683	5.62	288.76	101.81	0.47
ALDER	2	7730	1348.73	268.03	273.89		274.30	0.004470	5.52	298.54	112.95	0.46
ALDER	2	7683.33*	1349.21	267.77	273.50		274.08	0.006095	6.30	243.18	89.49	0.54
ALDER	2	7636.66*	1349.68	267.51	273.18		273.79	0.006229	6.39	230.53	75.19	0.54
ALDER	2	7590	1350.15	267.25	272.96		273.52	0.005253	6.08	237.81	67.64	0.50
ALDER	2	7545.*	1350.56	266.83	272.67		273.27	0.005790	6.32	224.74	61.33	0.53
ALDER	2	7500.*	1351.06	266.41	272.39		273.01	0.005837	6.37	220.41	57.57	0.53
ALDER	2	7455.*	1351.56	265.99	272.17		272.76	0.005274	6.21	224.76	55.18	0.50
ALDER	2	7410	1352.06	265.57	272.02		272.55	0.004289	5.85	237.68	53.59	0.46
ALDER	2	7368.75*	1352.53	265.50	271.74		272.36	0.005247	6.34	221.70	53.12	0.51
ALDER	2	7327.5*	1352.99	265.43	271.42		272.13	0.006285	6.81	208.66	52.89	0.55
ALDER	2	7286.25*	1353.46	265.36	271.08		271.86	0.007167	7.20	200.31	53.45	0.59
ALDER	2	7245	1353.92	265.29	270.77		271.57	0.007303	7.34	201.98	56.53	0.60
ALDER	2	7205.*	1353.91	264.89	270.36		271.27	0.008730	7.91	192.96	57.44	0.65
ALDER	2	7165.*	1353.91	264.49	269.95		270.93	0.009852	8.36	189.17	59.10	0.69
ALDER	2	7125	1353.90	264.09	269.64		270.56	0.009242	8.29	199.68	62.88	0.67
ALDER	2	7085.*	1353.89	264.08	269.57		270.18	0.006270	6.58	237.56	75.24	0.55
ALDER	2	7045.*	1353.88	264.08	269.47		269.93	0.005002	5.62	267.96	87.27	0.49
ALDER	2	7005.*	1353.87	264.08	269.36		269.74	0.004478	5.05	292.80	105.82	0.45
ALDER	2	6965	1353.86	264.07	269.26		269.57	0.004015	4.54	330.48	131.71	0.43
ALDER	2	6922.5*	1366.78	263.59	269.03		269.38	0.004586	4.88	307.65	121.82	0.45
ALDER	2	6880.*	1366.75	263.11	268.78		269.19	0.005135	5.20	286.82	114.84	0.48
ALDER	2	6837.5*	1366.72	262.63	268.50		268.97	0.005835	5.57	265.00	108.51	0.51
ALDER	2	6795	1366.69	262.15	268.17		268.72	0.006775	6.01	241.54	93.74	0.55
ALDER	2	6752.5*	1367.32	261.76	267.75		268.42	0.007948	6.55	210.72	64.95	0.60
ALDER	2	6710.*	1367.95	261.36	267.31		268.07	0.009023	7.03	199.74	63.09	0.64
ALDER	2	6667.5*	1368.58	260.97	266.82		267.69	0.010408	7.56	192.02	67.73	0.69
ALDER	2	6625	1369.20	260.58	266.79		267.30	0.005979	6.20	265.29	86.67	0.53
ALDER	2	6586.25*	1369.72	260.38	266.51		267.08	0.006501	6.49	255.46	87.32	0.55
ALDER	2	6547.5*	1370.30	260.18	266.19		266.83	0.007363	6.89	242.97	89.08	0.59
ALDER	2	6508.75*	1370.88	259.98	265.81		266.56	0.008621	7.37	230.45	94.05	0.64
ALDER	2	6470	1371.45	259.78	265.65		266.25	0.007028	6.80	265.79	112.17	0.58
ALDER	2	6420.*	1372.23	259.39	265.29		265.90	0.006936	6.73	256.75	101.25	0.57
ALDER	2	6370.*	1373.01	258.99	265.03		265.56	0.006006	6.32	270.56	102.61	0.53
ALDER	2	6320	1373.79	258.60	264.82		265.28	0.004933	5.83	293.66	109.21	0.48
ALDER	2	6275.*	1374.46	258.80	264.62		265.06	0.004880	5.68	296.29	109.75	0.48
ALDER	2	6230.*	1375.13	259.00	264.41		264.83	0.004924	5.57	297.35	109.09	0.48
ALDER	2	6185	1375.81	259.20	264.20		264.61	0.005029	5.47	295.94	104.92	0.48
ALDER	2	6145.*	1375.60	258.97	263.78		264.39	0.007728	6.45	238.58	86.93	0.59
ALDER	2	6105.*	1375.05	258.75	263.32		264.05	0.010403	7.09	220.36	91.84	0.68
ALDER	2	6065	1371.19	258.52	263.01		263.63	0.009866	6.80	245.28	111.53	0.66
ALDER	2	6021.25*	1369.04	258.33	262.87		263.25	0.005691	5.31	312.21	138.10	0.50
ALDER	2	5977.5*	1366.34	258.14	262.79		263.03	0.003278	4.19	394.45	166.14	0.39
ALDER	2	5933.75*	1366.30	257.96	262.75		262.91	0.001959	3.38	490.87	197.70	0.30
ALDER	2	5890	1366.28	257.77	262.73		262.84	0.001239	2.81	605.82	260.61	0.24
ALDER	2	5841.50*	1915.00	257.25	262.37		262.66	0.003306	4.43	505.83	203.30	0.39
ALDER	2	5793.01*	1914.98	256.72	262.15		262.49	0.003910	4.77	457.21	186.61	0.43
ALDER	2	5744.51*	1914.94	256.20	261.89		262.29	0.004756	5.17	409.01	175.08	0.47
ALDER	2	5696.02*	1914.91	255.67	261.58		262.05	0.005806	5.57	369.77	145.54	0.51
ALDER	2	5647.53	1914.88	255.15	261.14		261.74	0.007993	6.22	324.03	125.36	0.59
ALDER	2	5605.44*	1915.60	255.15	260.87		261.41	0.007690	5.97	337.78	137.38	0.58
ALDER	2	5563.35*	1916.32	255.15	260.58		261.09	0.007497	5.77	352.27	157.17	0.57
ALDER	2	5521.26*	1917.03	255.15	260.35		260.80	0.006786	5.44	379.85	174.75	0.54
ALDER	2	5479.17*	1917.72	255.15	260.16		260.54	0.005885	5.06	414.84	184.44	0.50
ALDER	2	5437.08*	1918.19	255.15	260.00		260.32	0.004843	4.63	459.08	193.64	0.46
ALDER	2	5395	1918.91	255.15	259.88		260.13	0.003830	4.18	512.04	203.31	0.41
ALDER	2	5351.42*	1918.90	254.95	259.69		259.97	0.004101	4.41	493.60	194.52	0.43
ALDER	2	5307.85*	1918.88	254.74	259.48		259.79	0.004548	4.72	471.43	187.34	0.45
ALDER	2	5264.28*	1918.87	254.54	259.23		259.59	0.005347	5.15	444.57	183.29	0.49
ALDER	2	5220.71*	1918.85	254.34	258.90		259.34	0.006895	5.80	410.52	182.93	0.55
ALDER	2	5177.14*	1918.62	254.14	258.40		259.02	0.011019	7.02	358.09	187.50	0.69
ALDER	2	5133.57*	1917.68	253.93	258.07		258.57	0.010610	6.83	412.24	231.67	0.68
ALDER	2	5090	1917.61	253.73	258.00		258.18	0.003904	4.34	614.89	247.31	0.42
ALDER	2	5048.33*	1991.88	253.54	257.39		257.95	0.011997	6.90	391.83	218.55	0.71
ALDER	2	5006.66*	1991.83	253.34	257.04		257.48	0.009641	5.90	417.20	217.57	0.63
ALDER	2	4965	1991.77	253.15	256.90		257.15	0.005466	4.46	552.36	281.06	0.48
ALDER	2	4922.5*	1992.59	252.85	256.65		256.93	0.005759	4.74	535.79	278.59	0.49
ALDER	2	4880.*	1993.40	252.55	256.37		256.70	0.006411	5.13	503.85	272.09	0.52
ALDER	2	4837.5*	1994.21	252.26	256.02		256.44	0.008003	5.77	449.86	269.66	0.59
ALDER	2	4795	1995.03	251.96	255.23	255.16	256.04	0.018453	7.95	309.50	352.47	0.87
ALDER	2	4758.33*	2056.09	251.55	255.09		255.37	0.006919	5.06	549.00	307.12	0.54
ALDER	2	4721.66*	2056.82	251.15	254.90		255.14	0.005445	4.60	578.36	283.88	0.48
ALDER	2	4685	2056.54	250.74	254.37		254.89	0.010434	6.05	376.29	265.40	0.65
ALDER	2	4639.*	2056.46	250.11	254.13		254.51	0.006716	5.34	477.14	255.17	0.54

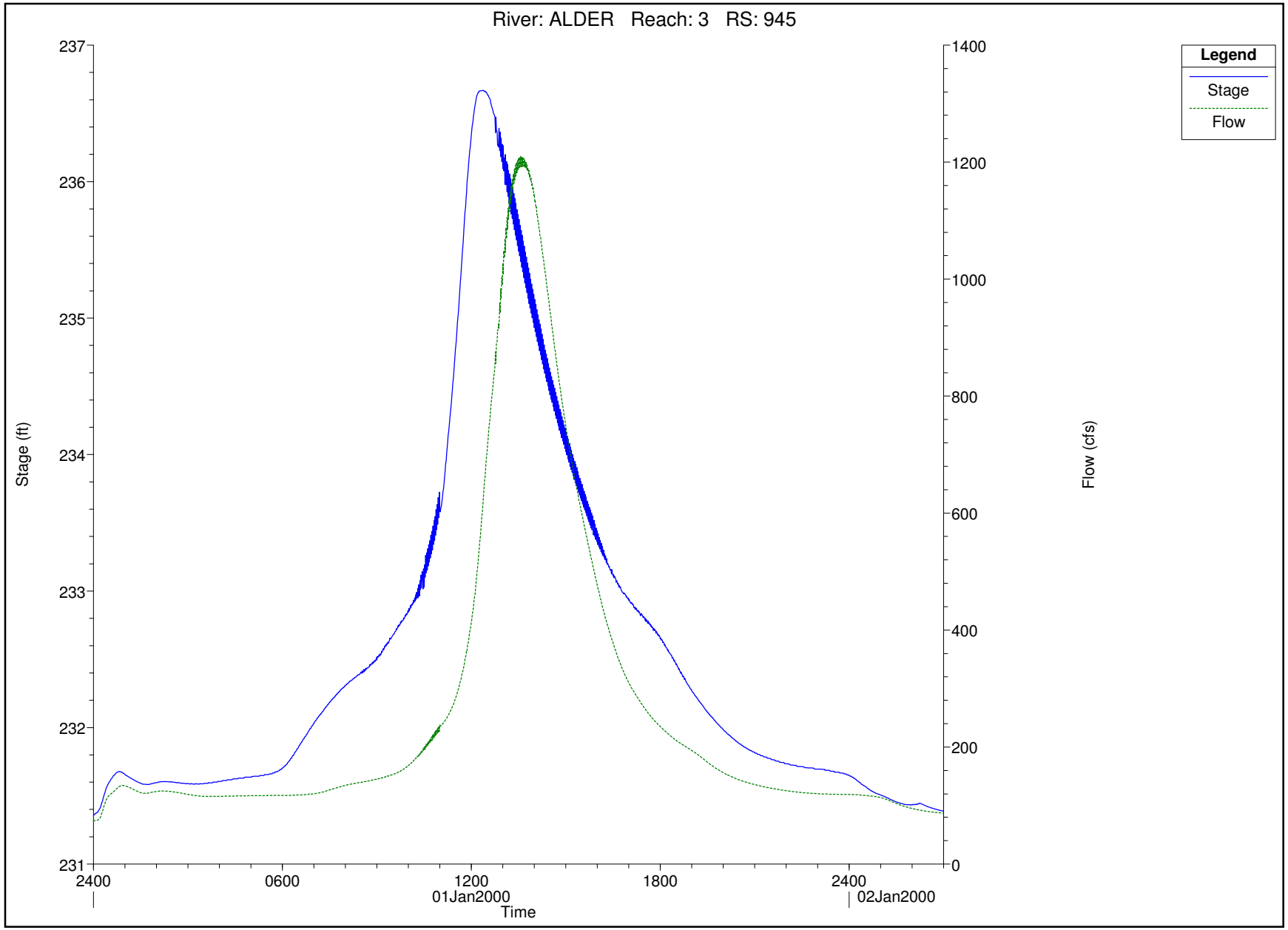
HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	4593.*	2055.07	249.48	253.84		254.23	0.005553	5.22	468.45	254.71	0.50
ALDER	2	4547.*	2055.02	248.86	253.78		254.02	0.002934	4.22	641.97	323.39	0.37
ALDER	2	4501.*	2054.96	248.23	253.76		253.89	0.001440	3.26	865.83	336.23	0.27
ALDER	2	4455	2054.90	247.60	253.75		253.84	0.000854	2.73	982.77	362.59	0.21
ALDER	2	4406.66*	2054.85	247.58	253.61		253.79	0.001552	3.67	692.47	200.11	0.28
ALDER	2	4358.33*	2054.81	247.55	253.39		253.71	0.002643	4.71	496.65	133.66	0.37
ALDER	2	4310	2054.77	247.53	252.99		253.55	0.004797	6.09	358.52	88.46	0.49
ALDER	2	4271.25*	2054.74	247.09	252.69		253.36	0.005734	6.72	335.12	86.18	0.54
ALDER	2	4232.5	2054.07	246.65	252.35		253.13	0.006952	7.45	315.07	84.83	0.59
ALDER	3	4193.75	2161.86	246.21	252.11		252.80	0.008687	8.63	346.62	87.47	0.66
ALDER	3	4155	2161.84	245.77	252.01		252.50	0.005864	7.17	406.39	94.75	0.54
ALDER	3	4118.33*	2161.82	245.51	251.73		252.29	0.006728	7.96	400.35	106.06	0.59
ALDER	3	4081.66*	2161.78	245.25	251.46		252.06	0.006521	8.04	393.40	101.72	0.58
ALDER	3	4045	2160.96	244.99	251.31		251.83	0.005203	7.42	423.81	104.42	0.53
ALDER	3	4002.5*	2162.58	244.99	251.11		251.61	0.005121	7.19	440.77	118.03	0.52
ALDER	3	3960.*	2164.17	244.99	250.93		251.40	0.004894	6.87	467.97	137.05	0.51
ALDER	3	3917.5*	2164.54	244.99	250.85		251.19	0.003856	6.02	574.23	198.04	0.45
ALDER	3	3875	2166.15	244.99	250.85		251.02	0.002039	4.37	754.88	221.43	0.33
ALDER	3	3827.5*	2167.96	244.99	250.73		250.92	0.002339	4.57	720.74	222.85	0.35
ALDER	3	3780.*	2169.74	244.99	250.60		250.80	0.002564	4.68	703.44	226.58	0.36
ALDER	3	3732.5*	2171.50	244.99	250.49		250.68	0.002493	4.52	732.71	244.89	0.36
ALDER	3	3685	2173.23	244.99	250.47		250.57	0.001388	3.35	1001.63	323.03	0.27
ALDER	3	3635.83*	2180.67	244.75	250.30		250.50	0.002351	4.35	715.42	229.89	0.34
ALDER	3	3586.66*	2181.34	244.52	250.10		250.38	0.002852	4.76	602.12	191.46	0.38
ALDER	3	3537.5*	2183.14	244.28	249.96		250.24	0.002671	4.61	584.27	180.40	0.37
ALDER	3	3488.33*	2184.91	244.04	249.85		250.12	0.002303	4.31	594.94	178.17	0.34
ALDER	3	3439.16*	2186.67	243.81	249.78		250.01	0.001869	3.93	626.37	175.49	0.31
ALDER	3	3390	2188.43	243.57	249.73		249.92	0.001470	3.54	674.35	171.23	0.27
ALDER	3	3341.87*	2188.36	243.61	249.66		249.85	0.001548	3.58	673.52	182.36	0.28
ALDER	3	3293.75*	2188.27	243.64	249.58		249.77	0.001595	3.59	678.99	187.13	0.28
ALDER	3	3245.62*	2188.18	243.68	249.51		249.69	0.001614	3.57	689.40	191.50	0.29
ALDER	3	3197.5*	2188.07	243.71	249.44		249.62	0.001604	3.53	704.67	195.83	0.28
ALDER	3	3149.37*	2187.23	243.75	249.37		249.54	0.001563	3.46	725.03	200.97	0.28
ALDER	3	3101.25*	2187.23	243.79	249.31		249.47	0.001489	3.37	751.22	205.80	0.27
ALDER	3	3053.12*	2187.22	243.82	249.25		249.40	0.001391	3.25	782.77	210.70	0.26
ALDER	3	3005	2187.21	243.86	249.20		249.33	0.001277	3.12	820.55	216.81	0.25
ALDER	3	2962.5*	2187.20	243.87	249.10		249.27	0.001644	3.49	721.30	195.57	0.29
ALDER	3	2920.*	2187.18	243.88	248.98		249.20	0.002109	3.89	638.76	179.98	0.32
ALDER	3	2877.5*	2187.16	243.89	248.83		249.10	0.002737	4.34	564.22	165.56	0.36
ALDER	3	2835.*	2187.15	243.89	248.62		248.97	0.003634	4.87	494.71	151.46	0.42
ALDER	3	2792.5*	2187.13	243.90	248.34		248.79	0.005030	5.51	429.00	133.42	0.49
ALDER	3	2750	2187.11	243.91	247.87		248.52	0.008379	6.60	351.62	118.44	0.62
ALDER	3	2704.*	2188.87	243.45	247.45		248.13	0.008841	6.75	348.78	121.92	0.63
ALDER	3	2658.*	2188.84	242.99	247.01		247.71	0.009458	6.91	346.90	127.87	0.65
ALDER	3	2612.*	2188.80	242.53	246.59		247.28	0.009597	6.93	356.66	138.23	0.66
ALDER	3	2566.*	2188.44	242.07	246.30		246.87	0.007936	6.43	401.71	157.29	0.60
ALDER	3	2520	2188.44	241.61	246.20		246.55	0.004848	5.29	509.91	182.32	0.48
ALDER	3	2475.*	2189.70	241.12	245.90		246.32	0.005539	5.74	467.31	164.85	0.51
ALDER	3	2430.*	2190.95	240.63	245.58		246.07	0.006285	6.20	450.75	173.29	0.54
ALDER	3	2385.*	2192.18	240.13	245.28		245.80	0.006554	6.43	451.71	184.14	0.56
ALDER	3	2340.*	2193.39	239.64	245.02		245.52	0.006213	6.41	468.40	188.54	0.55
ALDER	3	2295	2194.58	239.15	244.82		245.25	0.005371	6.14	501.49	189.34	0.51
ALDER	3	2245.*	2195.92	239.15	244.67		244.99	0.003780	5.27	553.91	183.30	0.43
ALDER	3	2195.*	2196.89	239.14	244.60		244.82	0.002358	4.32	662.47	197.70	0.34
ALDER	3	2145	2198.31	239.14	244.58		244.71	0.001336	3.40	829.34	215.78	0.26
ALDER	3	2101.66*	2199.56	239.14	244.48		244.65	0.001863	3.93	737.16	200.08	0.31
ALDER	3	2058.33*	2200.80	239.14	244.33		244.55	0.002733	4.65	643.43	182.92	0.37
ALDER	3	2015	2202.03	239.14	244.10		244.41	0.004431	5.70	543.78	165.49	0.47
ALDER	3	1969.*	2203.31	238.77	243.83		244.21	0.005055	6.01	511.19	167.47	0.50
ALDER	3	1923.*	2204.57	238.39	243.53		243.97	0.005717	6.26	477.41	167.50	0.53
ALDER	3	1877.*	2205.83	238.02	243.18		243.70	0.006539	6.51	442.29	168.25	0.56
ALDER	3	1831.*	2207.08	237.64	242.78		243.39	0.007391	6.68	405.04	166.91	0.59
ALDER	3	1785	2208.32	237.27	242.41		243.04	0.007798	6.62	387.54	152.54	0.60
ALDER	3	1740.*	2207.86	236.84	242.10		242.70	0.007596	6.48	400.02	171.43	0.59
ALDER	3	1695.*	2207.82	236.41	241.81		242.37	0.007042	6.24	419.97	194.70	0.57
ALDER	3	1650.*	2207.76	235.98	241.59		242.07	0.005872	5.81	462.08	221.42	0.52
ALDER	3	1605.*	2207.67	235.55	241.46		241.83	0.004282	5.15	530.85	233.69	0.45
ALDER	3	1560	2207.56	235.12	241.38		241.65	0.002950	4.48	619.72	247.18	0.38
ALDER	3	1511.42*	2228.24	235.01	241.13		241.50	0.003814	5.11	528.74	220.04	0.43
ALDER	3	1462.85*	2228.11	234.90	240.89		241.30	0.004234	5.40	479.73	163.17	0.45
ALDER	3	1414.28*	2228.00	234.79	240.65		241.10	0.004526	5.61	457.26	139.29	0.47
ALDER	3	1365.71*	2227.89	234.69	240.39		240.87	0.005003	5.91	435.87	129.43	0.49
ALDER	3	1317.14*	2227.79	234.58	240.07		240.62	0.005766	6.31	410.32	120.93	0.53
ALDER	3	1268.57*	2228.07	234.47	239.68		240.32	0.007091	6.89	378.03	112.85	0.59
ALDER	3	1220	2227.84	234.36	239.04		239.92	0.010842	8.07	323.50	103.74	0.71

HEC-RAS Plan: EX10YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	1175.*	2227.32	233.55	238.54		239.42	0.010631	7.86	322.14	109.67	0.70
ALDER	3	1130.*	2226.54	232.73	238.19		238.96	0.008772	7.20	341.08	118.20	0.64
ALDER	3	1085	2224.21	231.92	238.04		238.60	0.005880	6.15	406.70	172.33	0.53
ALDER	3	1057.5*	2223.77	231.36	237.34		238.39	0.012113	8.23	270.18	69.78	0.74
ALDER	3	1030	2223.36	230.81	237.33	235.70	238.11	0.007472	7.08	313.89	69.55	0.59
ALDER	3	1000	Bridge									
ALDER	3	945	1158.98	229.78	236.71		236.85	0.001270	2.94	394.46	89.28	0.25
ALDER	3	900	966.02	229.78	236.65	232.78	236.75	0.000917	2.48	388.83	88.64	0.21


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
431
430
429
428
427
426
50
40
30
20
10
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
237
236
235
234
233
232
231
1400
1200
1000
800
600
400
200
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: EX2YR24H Profile: Max WS

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	72.70	267.72	268.40		268.47	0.013487	2.15	33.89	73.47	0.56
TRIB4	1	2123.33*	72.70	267.11	267.94		268.01	0.012286	2.14	34.02	69.17	0.54
TRIB4	1	2086.66*	72.70	266.51	267.43		267.51	0.015687	2.31	31.42	68.09	0.60
TRIB4	1	2050	72.70	265.90	266.80		266.89	0.018426	2.39	30.46	71.02	0.64
TRIB4	1	2010.*	72.81	265.02	266.06		266.16	0.020489	2.49	29.26	69.37	0.68
TRIB4	1	1970.*	72.92	264.15	265.33		265.43	0.019945	2.55	28.58	63.91	0.67
TRIB4	1	1930.*	73.04	263.27	264.59		264.69	0.018862	2.59	28.22	59.14	0.66
TRIB4	1	1890	73.15	262.40	263.82		263.94	0.019991	2.71	26.96	54.89	0.68
TRIB4	1	1848.*	73.26	261.50	262.99		263.12	0.019796	2.85	25.74	48.39	0.69
TRIB4	1	1806.*	73.38	260.59	262.09		262.24	0.022136	3.12	23.56	41.99	0.73
TRIB4	1	1764.*	73.50	259.69	261.24		261.38	0.019253	3.05	24.10	39.86	0.69
TRIB4	1	1722.*	73.61	258.78	260.28		260.47	0.024707	3.47	21.23	34.82	0.78
TRIB4	1	1680	73.73	257.88	259.68		259.77	0.008239	2.38	31.01	39.14	0.47
TRIB4	1	1630.*	73.87	257.07	258.98		259.19	0.015547	3.68	20.07	21.22	0.67
TRIB4	1	1580.*	74.01	256.25	257.71		258.01	0.033847	4.42	16.74	24.21	0.94
TRIB4	1	1530	74.15	255.44	256.85		256.90	0.005247	1.87	39.55	51.40	0.38
TRIB4	1	1491.66*	74.25	254.70	256.42		256.57	0.012848	3.03	24.47	30.15	0.59
TRIB4	1	1453.33*	74.36	253.97	255.45	255.42	255.80	0.034783	4.73	15.73	21.02	0.96
TRIB4	1	1415	74.47	253.23	254.73		254.83	0.006922	2.46	30.26	32.09	0.45
TRIB4	1	1373.33*	74.59	252.56	254.33		254.47	0.010627	2.94	25.34	28.36	0.55
TRIB4	1	1331.66*	74.71	251.88	253.28	253.29	253.66	0.040873	4.94	15.11	21.33	1.03
TRIB4	1	1290	74.76	251.21	252.24		252.36	0.009858	2.68	27.88	33.92	0.52
TRIB4	1	1245.*	74.70	250.41	251.95		252.02	0.005155	2.19	34.18	34.85	0.39
TRIB4	1	1200.*	74.69	249.62	251.87		251.88	0.000590	1.01	73.79	46.81	0.14
TRIB4	1	1155	74.69	248.82	251.86		251.87	0.000086	0.52	143.64	57.95	0.06
TRIB3	1	3020	111.24	339.76	340.53	340.56	340.77	0.036797	4.49	30.34	76.94	0.98
TRIB3	1	2971.66*	111.23	338.87	339.71	339.74	339.99	0.037317	4.64	27.53	58.39	0.99
TRIB3	1	2923.33*	111.23	337.98	338.85	338.88	339.15	0.040988	4.71	26.45	55.04	1.03
TRIB3	1	2875	111.23	337.09	338.09		338.31	0.027159	4.03	30.13	55.21	0.85
TRIB3	1	2830.83*	111.22	336.41	337.49	337.48	337.75	0.027086	4.40	28.86	52.38	0.87
TRIB3	1	2786.66*	111.22	335.72	336.87	336.86	337.15	0.026014	4.52	28.06	48.50	0.86
TRIB3	1	2742.5*	111.21	335.04	336.22	336.19	336.50	0.025434	4.57	27.64	45.64	0.85
TRIB3	1	2698.33*	111.21	334.36	335.55	335.52	335.84	0.024979	4.57	27.73	44.90	0.85
TRIB3	1	2654.16*	111.21	333.67	334.87	334.84	335.16	0.026429	4.63	27.46	44.82	0.87
TRIB3	1	2610	111.20	332.99	334.25		334.48	0.020889	4.22	30.46	47.84	0.78
TRIB3	1	2561.66*	111.19	332.22	333.58		333.79	0.017934	4.06	31.19	45.26	0.73
TRIB3	1	2513.33*	111.19	331.45	332.89		333.10	0.015720	3.91	32.02	43.66	0.68
TRIB3	1	2465.*	111.19	330.68	332.18		332.39	0.015071	3.87	31.99	41.90	0.67
TRIB3	1	2416.66*	111.19	329.91	331.43		331.65	0.016508	3.97	30.64	39.46	0.70
TRIB3	1	2368.33*	111.18	329.14	330.70		330.92	0.016378	3.95	30.51	38.16	0.70
TRIB3	1	2320	111.17	328.37	329.90		330.16	0.020056	4.24	28.13	35.51	0.76
TRIB3	1	2272.14*	113.03	327.46	329.00		329.28	0.020581	4.41	27.71	34.55	0.78
TRIB3	1	2224.29*	114.90	326.54	328.11		328.40	0.020321	4.61	27.30	33.12	0.78
TRIB3	1	2176.44*	116.78	325.63	327.22		327.55	0.020795	4.88	26.65	31.19	0.80
TRIB3	1	2128.58*	118.68	324.71	326.35		326.70	0.020426	5.11	26.38	29.34	0.81
TRIB3	1	2080.73*	120.61	323.80	325.48		325.88	0.021261	5.46	25.60	27.16	0.83
TRIB3	1	2032.88*	122.49	322.88	324.73		325.10	0.017142	5.39	27.12	25.86	0.76
TRIB3	1	1985.03	124.46	321.97	324.32		324.54	0.007347	4.30	36.46	26.95	0.52
TRIB3	1	1943.02*	126.17	321.74	324.03		324.25	0.007629	4.30	36.99	28.36	0.53
TRIB3	1	1901.01*	127.92	321.51	323.72		323.95	0.008161	4.34	37.45	30.43	0.55
TRIB3	1	1859.01*	129.64	321.27	323.39		323.63	0.009318	4.48	37.67	34.12	0.58
TRIB3	1	1817.00*	131.40	321.04	323.08		323.30	0.009780	4.44	39.40	39.06	0.59
TRIB3	1	1775	133.14	320.81	322.80		322.98	0.008589	4.07	43.61	43.85	0.55
TRIB3	1	1731.25*	134.99	320.51	322.49		322.68	0.009003	4.18	42.99	42.76	0.56
TRIB3	1	1687.5*	136.84	320.21	322.16		322.36	0.009354	4.26	42.80	42.58	0.58
TRIB3	1	1643.75*	138.72	319.90	321.84		322.04	0.009288	4.26	43.32	42.49	0.57
TRIB3	1	1600	140.60	319.60	321.26		321.59	0.018107	5.36	34.05	37.76	0.78
TRIB3	1	1554.*	142.47	318.94	320.57		320.89	0.017936	5.26	34.80	39.04	0.77
TRIB3	1	1508.*	144.36	318.28	319.87		320.18	0.017887	5.14	35.81	41.09	0.77
TRIB3	1	1462.*	146.24	317.62	319.16		319.44	0.017293	4.93	37.82	44.85	0.75
TRIB3	1	1416.*	148.13	316.96	318.30	318.29	318.65	0.027176	5.53	34.57	49.77	0.92
TRIB3	1	1370	150.01	316.30	317.44	317.45	317.76	0.032781	5.33	35.50	56.67	0.97
TRIB3	1	1325.*	150.01	315.33	316.70		316.94	0.020818	4.63	41.55	62.62	0.79
TRIB3	1	1280.*	150.01	314.36	315.85		316.11	0.019904	4.61	41.86	66.89	0.78
TRIB3	1	1235.*	150.00	313.39	314.94	314.94	315.27	0.023911	4.94	37.48	64.11	0.85
TRIB3	1	1190.*	150.01	312.42	314.02	314.03	314.39	0.026580	5.05	34.17	56.35	0.89
TRIB3	1	1145.*	150.01	311.45	313.09	313.13	313.50	0.030398	5.19	31.01	51.22	0.94
TRIB3	1	1100	150.00	310.48	312.43		312.65	0.012350	3.79	43.48	61.26	0.62
TRIB3	1	1053.*	150.00	310.03	312.03		312.25	0.012349	3.84	41.48	50.83	0.62
TRIB3	1	1006.*	150.00	309.59	311.60		311.84	0.012782	3.92	40.11	46.75	0.63
TRIB3	1	959.*	149.98	309.14	311.15		311.41	0.014138	4.08	38.37	45.40	0.66
TRIB3	1	912.*	147.47	308.70	310.74		310.98	0.013153	3.97	39.89	54.41	0.64
TRIB3	1	865	145.98	308.25	310.51		310.62	0.005756	2.91	60.20	71.45	0.44
TRIB3	1	815.*	278.65	307.37	309.61	309.64	310.07	0.022720	5.89	57.61	70.10	0.87
TRIB3	1	765.*	278.65	306.49	308.76	308.80	309.22	0.021414	5.94	58.25	69.29	0.85

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB3	1	715.*	278.64	305.60	307.87	307.86	308.34	0.020764	5.98	56.56	61.49	0.84
TRIB3	1	665.*	278.62	304.72	306.97	306.91	307.45	0.021147	6.11	55.07	51.85	0.85
TRIB3	1	615.*	278.61	303.84	306.07		306.56	0.021921	6.27	53.69	48.45	0.87
TRIB3	1	565	278.58	302.96	305.09	305.12	305.63	0.026028	6.70	51.71	55.23	0.94
TRIB3	1	517.5*	278.98	301.49	303.97	304.06	304.74	0.027073	7.71	44.13	38.23	0.99
TRIB3	1	470.*	279.39	300.02	302.64	302.91	303.63	0.031897	8.65	40.66	39.31	1.08
TRIB3	1	422.5*	279.80	298.54	301.26	301.53	302.27	0.033656	8.99	40.68	38.32	1.11
TRIB3	1	375	280.22	297.07	299.77	300.08	300.80	0.039308	9.39	39.39	35.59	1.17
TRIB3	1	325.*	280.21	295.34	298.06	298.38	299.17	0.039663	9.71	38.16	33.79	1.19
TRIB3	1	275.*	280.20	293.61	296.34	296.66	297.48	0.037916	9.77	37.49	31.20	1.18
TRIB3	1	225.*	280.20	291.89	294.56	294.94	295.83	0.041107	10.25	35.27	28.46	1.23
TRIB3	1	175	280.03	290.16	293.17	293.16	293.92	0.020474	8.13	45.28	30.55	0.90
TRIB2B	1	2970	48.24	471.17	472.31	472.38	472.60	0.028800	4.55	12.84	38.26	1.02
TRIB2B	1	2921.25*	48.23	469.71	470.93	470.96	471.29	0.030739	4.79	10.07	15.73	1.05
TRIB2B	1	2872.5*	48.22	468.26	469.51	469.54	469.87	0.030946	4.79	10.07	15.85	1.06
TRIB2B	1	2823.75*	48.21	466.80	468.06	468.10	468.43	0.031852	4.84	9.97	15.78	1.07
TRIB2B	1	2775	48.21	465.34	466.60	466.64	466.98	0.034736	4.99	9.66	15.58	1.12
TRIB2B	1	2733.75*	48.53	464.10	465.37	465.44	465.79	0.037494	5.22	9.30	14.81	1.16
TRIB2B	1	2692.5*	48.84	462.86	464.16	464.24	464.61	0.037839	5.34	9.15	14.17	1.17
TRIB2B	1	2651.25*	49.16	461.63	462.94	463.05	463.43	0.041388	5.63	8.74	13.35	1.23
TRIB2B	1	2610	49.47	460.39	461.79	461.86	462.24	0.035494	5.42	9.12	13.08	1.14
TRIB2B	1	2565.*	49.81	459.32	460.70	460.72	461.08	0.030607	5.00	9.97	14.52	1.06
TRIB2B	1	2520.*	50.15	458.24	459.58	459.59	459.93	0.028412	4.78	10.50	15.88	1.02
TRIB2B	1	2475.*	50.50	457.17	458.39	458.45	458.80	0.037369	5.13	9.84	16.26	1.16
TRIB2B	1	2430.*	50.83	456.09	457.18	457.32	457.72	0.058358	5.89	8.63	16.06	1.42
TRIB2B	1	2385.*	51.17	455.02	456.09	456.20	456.55	0.049308	5.45	9.41	17.79	1.30
TRIB2B	1	2340	51.51	453.94	454.79	455.08	455.77	0.150846	7.94	6.49	15.77	2.18
TRIB2B	1	2291.87*	51.87	452.05	453.04	453.30	453.90	0.107926	7.47	6.94	14.32	1.89
TRIB2B	1	2243.75*	52.24	450.16	451.31	451.53	452.04	0.073570	6.84	7.64	13.43	1.60
TRIB2B	1	2195.63*	52.60	448.26	449.68	449.76	450.16	0.035987	5.51	9.54	13.47	1.15
TRIB2B	1	2147.51*	52.96	446.37	447.78	447.99	448.50	0.055112	6.79	7.80	11.01	1.42
TRIB2B	1	2099.39	53.32	444.48	446.27		446.67	0.022509	5.04	10.58	11.75	0.94
TRIB2B	1	2049.51*	53.69	443.84	445.52		445.88	0.021934	4.81	11.15	13.19	0.92
TRIB2B	1	1999.63*	54.07	443.19	444.79		445.11	0.020398	4.53	11.93	14.93	0.89
TRIB2B	1	1949.75*	54.44	442.55	444.04		444.34	0.020310	4.40	12.39	16.62	0.88
TRIB2B	1	1899.87*	54.80	441.90	443.36		443.59	0.014944	3.88	14.29	19.48	0.76
TRIB2B	1	1850	55.17	441.26	442.48	442.47	442.80	0.026090	4.53	12.29	20.07	0.98
TRIB2B	1	1804.*	55.52	440.14	441.37	441.38	441.70	0.028869	4.58	12.12	19.43	1.02
TRIB2B	1	1758.*	55.86	439.01	440.22	440.26	440.58	0.033398	4.87	11.47	18.73	1.10
TRIB2B	1	1712.*	56.21	437.89	439.06	439.12	439.46	0.037601	5.10	11.03	18.36	1.16
TRIB2B	1	1666.*	56.55	436.76	437.87	437.99	438.35	0.047150	5.53	10.23	17.87	1.29
TRIB2B	1	1620	56.90	435.64	436.80	436.85	437.18	0.035108	4.93	11.53	19.14	1.12
TRIB2B	1	1574.27*	56.89	434.66	435.89	435.90	436.22	0.028425	4.62	12.31	19.23	1.02
TRIB2B	1	1528.55*	56.88	433.68	435.00		435.28	0.022657	4.31	13.21	19.35	0.92
TRIB2B	1	1482.82*	56.87	432.70	434.06		434.34	0.021674	4.28	13.29	18.99	0.90
TRIB2B	1	1437.10*	56.86	431.73	433.09		433.39	0.023072	4.42	12.85	18.30	0.93
TRIB2B	1	1391.37*	56.86	430.75	432.11	432.10	432.45	0.025347	4.63	12.27	17.48	0.97
TRIB2B	1	1345.65*	56.85	429.77	431.16	431.14	431.50	0.024805	4.64	12.26	17.14	0.97
TRIB2B	1	1299.93	56.85	428.79	430.18	430.18	430.55	0.027457	4.85	11.72	16.50	1.01
TRIB2	1	8784.93	28.21	488.65	489.63	489.67	489.94	0.037944	4.50	6.27	12.77	1.13
TRIB2	1	8736.62*	28.21	487.01	488.01	488.03	488.31	0.033827	4.33	6.51	12.75	1.07
TRIB2	1	8688.31*	28.20	485.36	486.32	486.39	486.68	0.044624	4.79	5.88	12.14	1.21
TRIB2	1	8640	28.19	483.72	484.73	484.74	485.00	0.031602	4.16	6.78	13.35	1.03
TRIB2	1	8593.75*	28.75	482.59	483.55	483.52	483.78	0.027185	3.87	7.42	14.58	0.96
TRIB2	1	8547.5*	29.30	481.46	482.27	482.31	482.56	0.040229	4.37	6.70	14.78	1.14
TRIB2	1	8501.25*	29.87	480.32	481.43		481.51	0.005281	2.24	13.53	19.64	0.45
TRIB2	1	8455	30.44	479.19	479.77	479.90	480.20	0.080047	5.30	5.74	15.97	1.56
TRIB2	1	8409.*	30.90	476.28	476.97	477.10	477.42	0.071252	5.40	5.73	14.17	1.50
TRIB2	1	8363.*	31.36	473.37	474.11	474.31	474.76	0.101951	6.47	4.84	11.91	1.79
TRIB2	1	8317.*	31.81	470.45	471.40	471.54	471.90	0.058803	5.69	5.59	10.96	1.40
TRIB2	1	8271.*	32.27	467.54	468.52	468.78	469.37	0.102563	7.42	4.35	8.62	1.84
TRIB2	1	8225	32.72	464.63	465.94	466.07	466.48	0.045657	5.86	5.58	9.81	1.27
TRIB2	1	8182.5*	33.24	463.14	464.43	464.55	464.96	0.047409	5.89	5.65	8.72	1.29
TRIB2	1	8140.*	33.77	461.66	462.93	463.04	463.44	0.045503	5.73	5.89	9.23	1.26
TRIB2	1	8097.5*	34.29	460.17	461.40	461.53	461.94	0.050206	5.88	5.83	9.48	1.32
TRIB2	1	8055.*	34.82	458.68	459.93	460.02	460.40	0.043150	5.50	6.34	10.21	1.23
TRIB2	1	8012.5*	35.35	457.20	458.38	458.52	458.93	0.055568	5.98	5.91	10.17	1.38
TRIB2	1	7970	35.88	455.71	457.02	457.02	457.36	0.027788	4.67	7.70	11.93	1.00
TRIB2	1	7925.02*	36.44	454.76	456.03	456.03	456.36	0.027753	4.56	8.00	12.74	1.00
TRIB2	1	7880.04*	37.00	453.81	455.04	455.04	455.36	0.028123	4.48	8.26	13.56	1.00
TRIB2	1	7835.06*	37.56	452.86	454.07	454.05	454.36	0.026438	4.31	8.71	14.48	0.97
TRIB2	1	7790.08*	38.11	451.91	453.07	453.07	453.37	0.029576	4.38	8.69	15.10	1.02
TRIB2	1	7745.10*	38.66	450.96	452.22		452.41	0.015066	3.51	11.08	17.67	0.75
TRIB2	1	7700.13	39.22	450.01	451.02	451.11	451.42	0.047478	5.09	7.70	15.30	1.26
TRIB2	1	7653.10*	39.81	448.23	449.33	449.41	449.73	0.042102	5.06	7.87	14.36	1.20

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	7606.07*	40.40	446.44	447.58	447.71	448.07	0.049966	5.61	7.20	12.73	1.32
TRIB2	1	7559.05*	40.99	444.66	445.95	446.02	446.37	0.036410	5.18	7.92	12.39	1.14
TRIB2	1	7512.02*	41.58	442.87	444.17	444.33	444.75	0.050926	6.09	6.83	10.67	1.34
TRIB2	1	7465	42.17	441.09	442.74		443.05	0.019485	4.40	9.58	11.79	0.86
TRIB2	1	7421.*	42.72	440.56	442.18		442.47	0.017846	4.35	9.87	12.62	0.83
TRIB2	1	7377.*	43.27	440.04	441.61		441.89	0.015892	4.26	10.41	13.97	0.79
TRIB2	1	7333.*	43.81	439.51	441.00		441.29	0.016525	4.35	10.62	15.85	0.81
TRIB2	1	7289.*	44.34	438.99	440.30	440.33	440.66	0.023920	4.90	9.85	18.03	0.96
TRIB2	1	7245	44.89	438.46	439.45	439.71	440.26	0.085750	7.33	6.62	18.42	1.72
TRIB2	1	7198.57*	44.88	437.31	438.41	438.59	439.01	0.054238	6.26	7.51	16.95	1.39
TRIB2	1	7152.14*	44.87	436.16	437.33	437.46	437.83	0.041518	5.66	8.13	15.73	1.23
TRIB2	1	7105.71*	44.86	435.01	436.28	436.31	436.66	0.028984	4.97	9.18	15.48	1.04
TRIB2	1	7059.28*	44.84	433.85	435.16	435.16	435.51	0.026615	4.74	9.52	14.86	0.99
TRIB2	1	7012.85*	44.83	432.70	434.04	434.03	434.37	0.025802	4.61	9.74	14.52	0.98
TRIB2	1	6966.42*	44.82	431.55	432.85	432.89	433.24	0.032986	5.01	8.95	13.73	1.09
TRIB2	1	6920	44.80	430.40	431.79		432.09	0.022864	4.37	10.25	14.62	0.92
TRIB2	1	6870.93*	44.80	429.57	430.98		431.27	0.022552	4.37	10.25	14.46	0.92
TRIB2	1	6821.87*	44.80	428.74	430.16		430.45	0.021562	4.33	10.35	14.32	0.90
TRIB2	1	6772.81*	44.79	427.91	429.35		429.64	0.021248	4.32	10.37	14.23	0.89
TRIB2	1	6723.74*	44.78	427.08	428.55		428.82	0.019351	4.19	10.68	14.29	0.85
TRIB2	1	6674.68*	44.77	426.25	427.71		428.00	0.020400	4.29	10.43	14.00	0.88
TRIB2	1	6625.62*	44.71	425.42	427.01		427.22	0.013460	3.69	12.11	14.90	0.72
TRIB2	1	6576.56	44.22	424.59	426.80		426.86	0.002172	1.96	23.04	22.10	0.31
TRIB2	2	6527.5	100.71	423.76	425.74	425.72	426.21	0.022400	5.52	18.23	17.94	0.97
TRIB2	2	6478.43*	100.71	422.93	424.92	424.89	425.39	0.021949	5.49	18.34	17.93	0.96
TRIB2	2	6429.37*	100.70	422.10	424.10	424.06	424.56	0.021220	5.43	18.53	17.93	0.94
TRIB2	2	6380.31*	100.68	421.27	423.28		423.74	0.020991	5.41	18.60	17.96	0.94
TRIB2	2	6331.25*	100.66	420.44	422.46		422.91	0.020835	5.40	18.62	17.91	0.93
TRIB2	2	6282.18*	100.64	419.61	421.63		422.09	0.021029	5.43	18.52	17.78	0.94
TRIB2	2	6233.12*	100.61	418.78	420.80		421.26	0.020911	5.43	18.53	17.73	0.94
TRIB2	2	6184.06*	100.58	417.95	419.97	419.92	420.44	0.021469	5.49	18.31	17.56	0.95
TRIB2	2	6135	100.58	417.12	419.17		419.62	0.020216	5.38	18.70	17.69	0.92
TRIB2	2	6087.5*	100.57	416.36	418.40		418.85	0.020346	5.38	18.70	17.80	0.92
TRIB2	2	6040.*	100.56	415.60	417.63		418.08	0.020403	5.37	18.74	17.96	0.93
TRIB2	2	5992.5*	100.54	414.84	416.86		417.31	0.020784	5.38	18.68	18.09	0.93
TRIB2	2	5945.*	100.52	414.08	416.08	416.03	416.54	0.021778	5.45	18.44	18.15	0.95
TRIB2	2	5897.5*	100.50	413.33	415.29	415.26	415.76	0.022741	5.51	18.25	18.30	0.97
TRIB2	2	5850.*	100.48	412.57	414.51	414.49	414.99	0.024002	5.57	18.03	18.49	0.99
TRIB2	2	5802.5*	100.46	411.81	413.72	413.73	414.21	0.025307	5.63	17.85	18.78	1.02
TRIB2	2	5755	100.45	411.05	412.91	412.97	413.43	0.027951	5.77	17.41	18.99	1.06
TRIB2	2	5708.12*	101.15	410.28	412.13	412.18	412.68	0.029007	5.92	17.08	18.41	1.08
TRIB2	2	5661.25*	101.85	409.51	411.38	411.43	411.92	0.027976	5.90	17.27	18.25	1.07
TRIB2	2	5614.37*	102.54	408.74	410.63	410.67	411.17	0.027994	5.94	17.26	18.06	1.07
TRIB2	2	5567.5*	103.23	407.97	409.86	409.95	410.42	0.028370	6.00	17.19	17.87	1.08
TRIB2	2	5520.62*	103.96	407.20	409.09	409.23	409.67	0.029197	6.10	17.16	23.16	1.09
TRIB2	2	5473.75*	104.67	406.43	408.32	408.47	408.91	0.030179	6.19	17.46	26.45	1.11
TRIB2	2	5426.87*	105.37	405.66	407.60	407.70	408.11	0.025554	5.79	19.73	29.96	1.03
TRIB2	2	5380	106.06	404.89	406.91	406.89	407.40	0.023008	5.64	18.81	33.65	0.98
TRIB2	2	5330.38*	106.80	404.21	406.18	406.21	406.67	0.023506	5.65	19.06	26.55	0.99
TRIB2	2	5280.76*	107.57	403.53	405.48	405.44	405.95	0.021940	5.51	19.54	19.82	0.96
TRIB2	2	5231.15*	108.33	402.85	404.76	404.72	405.23	0.021472	5.45	19.89	20.30	0.95
TRIB2	2	5181.53*	109.09	402.17	404.05	404.00	404.50	0.021442	5.43	20.14	20.94	0.95
TRIB2	2	5131.92*	109.84	401.49	403.33	403.28	403.78	0.021142	5.38	20.45	21.40	0.94
TRIB2	2	5082.30*	110.59	400.81	402.61	402.56	403.06	0.020969	5.34	20.73	21.87	0.94
TRIB2	2	5032.69*	111.34	400.12	401.90	401.84	402.33	0.020445	5.28	21.13	22.39	0.93
TRIB2	2	4983.07*	112.12	399.44	401.18	401.12	401.61	0.020080	5.23	21.51	23.12	0.92
TRIB2	2	4933.46*	112.89	398.76	400.47	400.40	400.89	0.019394	5.15	22.00	23.74	0.90
TRIB2	2	4883.84*	113.65	398.08	399.77		400.17	0.018796	5.08	22.49	24.41	0.89
TRIB2	2	4834.23*	114.42	397.40	399.06		399.45	0.018183	5.01	22.99	25.06	0.88
TRIB2	2	4784.61*	115.17	396.72	398.35		398.73	0.017250	4.90	23.69	25.98	0.86
TRIB2	2	4735	115.93	396.04	397.62		398.00	0.018096	4.96	23.53	26.07	0.87
TRIB2	2	4689.09*	116.63	395.29	396.90		397.29	0.018883	5.04	23.32	26.11	0.89
TRIB2	2	4643.18*	117.34	394.53	396.17	396.11	396.58	0.019651	5.11	23.14	26.15	0.91
TRIB2	2	4597.27*	118.06	393.78	395.45	395.40	395.87	0.020432	5.19	22.95	26.21	0.93
TRIB2	2	4551.36*	118.77	393.03	394.73	394.69	395.16	0.021069	5.25	22.83	26.18	0.94
TRIB2	2	4505.45*	119.47	392.27	394.01	393.97	394.44	0.021758	5.32	22.69	26.15	0.95
TRIB2	2	4459.54*	120.18	391.52	393.28	393.26	393.73	0.022260	5.37	22.62	26.11	0.96
TRIB2	2	4413.63*	120.87	390.76	392.56	392.54	393.01	0.022721	5.41	22.56	26.05	0.97
TRIB2	2	4367.72*	121.56	390.01	391.83	391.82	392.29	0.023015	5.44	22.57	26.09	0.98
TRIB2	2	4321.81*	122.28	389.26	391.11	391.10	391.57	0.023259	5.48	22.56	25.94	0.98
TRIB2	2	4275.90*	123.00	388.50	390.44	390.37	390.86	0.019478	5.18	24.10	26.85	0.91
TRIB2	2	4230	123.72	387.75	389.49	389.65	390.18	0.042644	6.67	18.56	23.00	1.29
TRIB2	2	4184.*	124.44	386.46	388.20	388.36	388.89	0.041339	6.68	18.68	23.03	1.28
TRIB2	2	4138.*	125.16	385.17	386.91	387.08	387.61	0.040542	6.70	18.75	22.94	1.27
TRIB2	2	4092.*	125.88	383.88	385.62	385.78	386.33	0.040214	6.74	18.77	22.76	1.27

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	4046.*	126.60	382.59	384.33	384.49	385.04	0.040004	6.78	18.81	22.68	1.27
TRIB2	2	4000.*	127.32	381.30	383.03	383.20	383.76	0.041020	6.88	18.67	22.52	1.29
TRIB2	2	3954.*	128.03	380.01	381.74	381.92	382.48	0.041307	6.92	18.70	22.72	1.29
TRIB2	2	3908.*	128.74	378.72	380.42	380.66	381.22	0.045031	7.19	18.14	22.66	1.35
TRIB2	2	3862.*	129.47	377.43	379.15	379.40	379.92	0.041345	7.09	18.74	26.21	1.30
TRIB2	2	3816.*	130.20	376.14	377.79	378.12	378.70	0.052034	7.68	17.57	28.93	1.45
TRIB2	2	3770	130.93	374.85	376.61	376.76	377.18	0.029130	6.31	24.70	44.93	1.11
TRIB2	2	3722.5*	130.90	373.88	375.77	375.88	376.36	0.028722	6.16	21.52	26.67	1.10
TRIB2	2	3675.*	130.77	372.92	375.11		375.46	0.013889	4.71	27.82	26.57	0.78
TRIB2	2	3627.5*	130.70	371.95	374.98		375.08	0.002272	2.59	53.87	45.19	0.34
TRIB2	2	3580	130.57	370.98	374.98		375.01	0.000464	1.50	101.95	63.60	0.16
TRIB2	2	3500	Culvert									
TRIB2	2	3490	130.57	369.21	372.46		372.78	0.008338	4.51	28.96	17.64	0.62
TRIB2	2	3442.*	130.53	369.13	372.11		372.41	0.008139	4.37	29.96	19.57	0.61
TRIB2	2	3394.*	130.53	369.06	371.77		372.05	0.008069	4.26	30.80	21.76	0.61
TRIB2	2	3346.*	130.52	368.98	371.44		371.71	0.007929	4.17	31.71	24.56	0.61
TRIB2	2	3298.*	130.51	368.91	371.07		371.35	0.008836	4.24	31.75	27.86	0.64
TRIB2	2	3250	130.50	368.83	370.48	370.46	370.92	0.020759	5.39	25.15	30.09	0.94
TRIB2	2	3203.*	130.76	367.92	369.69	369.69	370.16	0.022334	5.53	24.30	28.69	0.97
TRIB2	2	3156.*	131.01	367.02	368.93	368.91	369.39	0.021019	5.45	24.66	28.34	0.95
TRIB2	2	3109.*	131.26	366.11	368.21	368.14	368.63	0.018289	5.23	25.75	28.55	0.89
TRIB2	2	3062.*	131.51	365.21	367.43	367.37	367.86	0.018663	5.28	25.47	28.01	0.90
TRIB2	2	3015	131.76	364.30	366.69		367.10	0.016692	5.11	26.38	28.27	0.85
TRIB2	2	2970.*	132.01	363.86	366.11		366.46	0.014633	4.76	27.98	27.53	0.80
TRIB2	2	2925.*	132.26	363.41	365.56		365.88	0.013608	4.51	29.56	29.50	0.77
TRIB2	2	2880	132.51	362.97	365.04		365.34	0.013714	4.38	30.68	34.29	0.76
TRIB2	2	2834.83*	132.76	362.40	364.51		364.81	0.012767	4.43	30.49	32.27	0.75
TRIB2	2	2789.67*	133.00	361.84	363.93		364.28	0.014258	4.76	28.47	29.71	0.79
TRIB2	2	2744.50*	133.24	361.27	363.28	363.33	363.70	0.019410	5.36	27.67	45.27	0.91
TRIB2	2	2699.34	133.46	360.70	362.75		363.01	0.013156	4.56	36.17	50.27	0.76
TRIB2	2	2653.25*	133.68	360.07	362.22	362.28	362.70	0.017469	5.65	25.98	40.55	0.89
TRIB2	2	2607.17*	133.93	359.45	361.55	361.59	362.08	0.019435	5.98	24.93	29.73	0.94
TRIB2	2	2561.08*	134.18	358.82	360.71	360.95	361.46	0.034978	7.29	21.33	29.59	1.22
TRIB2	2	2515	134.42	358.19	360.05		360.24	0.012389	4.38	43.22	65.36	0.73
TRIB2	2	2473.*	134.63	357.48	359.55	359.65	360.14	0.022432	6.45	23.75	27.66	1.01
TRIB2	2	2431.*	134.85	356.78	358.83	358.91	359.47	0.023770	6.50	21.92	23.50	1.03
TRIB2	2	2389.*	135.07	356.07	358.07	358.13	358.70	0.024664	6.38	21.85	22.95	1.04
TRIB2	2	2347.*	135.28	355.37	357.31	357.36	357.89	0.024834	6.17	22.64	24.81	1.04
TRIB2	2	2305	135.49	354.66	356.70		357.08	0.014826	5.06	28.83	31.80	0.81
TRIB2	2	2263.33*	135.71	354.11	356.23		356.61	0.014984	5.06	28.21	29.76	0.82
TRIB2	2	2221.66*	135.92	353.55	355.77		356.14	0.013927	4.91	28.69	28.94	0.79
TRIB2	2	2180	136.13	353.00	355.39		355.69	0.010166	4.42	31.83	29.81	0.68
TRIB2	2	2138.*	136.35	352.65	355.00		355.31	0.010630	4.51	31.08	29.00	0.70
TRIB2	2	2096.*	136.56	352.30	354.60		354.92	0.011131	4.60	30.48	28.38	0.71
TRIB2	2	2054.*	136.77	351.96	354.18		354.53	0.011900	4.72	29.87	28.12	0.74
TRIB2	2	2012.*	136.98	351.61	353.76		354.12	0.012791	4.83	29.52	29.04	0.76
TRIB2	2	1970	137.17	351.26	353.33		353.70	0.014166	4.97	29.43	32.24	0.80
TRIB2	2	1928.*	137.40	350.82	352.88	352.78	353.26	0.014680	5.02	29.54	34.90	0.81
TRIB2	2	1886.*	137.62	350.39	352.43	352.36	352.81	0.015320	5.08	29.61	37.86	0.82
TRIB2	2	1844.*	137.84	349.95	351.98	351.95	352.37	0.015976	5.14	29.59	40.61	0.84
TRIB2	2	1802.*	138.05	349.52	351.54	351.52	351.93	0.015855	5.12	30.17	44.04	0.83
TRIB2	2	1760	138.24	349.08	351.16	351.10	351.49	0.013166	4.80	33.22	48.93	0.76
TRIB2	2	1716.*	138.41	348.40	350.63		351.02	0.013446	5.05	28.62	28.69	0.78
TRIB2	2	1672.*	138.64	347.71	350.08		350.49	0.013411	5.18	27.49	24.38	0.78
TRIB2	2	1628.*	138.88	347.03	349.51		349.95	0.013518	5.33	26.68	22.38	0.79
TRIB2	2	1584.*	139.11	346.34	348.94		349.40	0.013945	5.51	25.94	21.63	0.81
TRIB2	2	1540	139.35	345.66	348.19	348.20	348.83	0.021797	6.47	22.03	20.05	0.99
TRIB2	2	1490.*	139.60	344.89	347.17	347.18	347.74	0.024798	6.07	23.03	22.26	1.03
TRIB2	2	1440.*	139.86	344.12	346.23	346.26	346.76	0.026005	5.81	24.08	24.82	1.04
TRIB2	2	1390.*	140.11	343.35	345.36	345.36	345.83	0.025327	5.54	25.29	27.52	1.02
TRIB2	2	1340	140.36	342.58	344.48	344.50	344.95	0.027954	5.51	25.49	30.23	1.06
TRIB2	2	1298.75*	140.56	341.95	343.75	343.77	344.20	0.027669	5.40	26.04	31.67	1.05
TRIB2	2	1257.5*	140.76	341.33	343.03	343.04	343.45	0.026262	5.15	27.35	34.42	1.02
TRIB2	2	1216.25*	140.27	340.70	342.34	342.30	342.69	0.022843	4.75	29.50	37.87	0.95
TRIB2	2	1175	139.15	340.08	341.88		342.05	0.007237	3.33	42.90	46.16	0.56
TRIB2	2	1125.*	128.85	339.49	341.78		341.84	0.001671	2.05	68.11	57.89	0.29
TRIB2	2	1075.*	124.17	338.89	341.76		341.79	0.000476	1.35	106.06	73.15	0.16
TRIB2	2	1025	124.15	338.30	341.76		341.77	0.000184	0.98	154.07	90.80	0.10
TRIB1	1	15010	23.66	485.17	486.06	486.09	486.33	0.037074	4.15	5.70	12.79	1.09
TRIB1	1	14964.*	23.66	483.66	484.42	484.48	484.70	0.049492	4.22	5.61	15.28	1.23
TRIB1	1	14918.*	23.66	482.16	482.81	482.89	483.09	0.064711	4.21	5.62	18.82	1.36
TRIB1	1	14872.*	23.66	480.65	481.23	481.29	481.46	0.068524	3.88	6.10	24.19	1.36
TRIB1	1	14826.*	23.66	479.15	479.67	479.69	479.82	0.041756	3.07	7.70	29.89	1.07
TRIB1	1	14780	23.66	477.64	477.98	478.08	478.28	0.131012	4.41	5.36	28.52	1.79
TRIB1	1	14731.6*	24.18	475.53	476.08	476.12	476.28	0.061494	3.61	6.69	27.21	1.28

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	14683.3*	24.69	473.42	474.03	474.16	474.45	0.124413	5.22	4.73	18.73	1.83
TRIB1	1	14635.*	25.22	471.32	472.08	472.16	472.39	0.057978	4.46	5.66	15.99	1.32
TRIB1	1	14586.6*	25.75	469.21	470.01	470.15	470.45	0.072329	5.35	4.81	12.17	1.50
TRIB1	1	14538.3*	26.30	467.10	468.14	468.13	468.39	0.028964	4.03	6.52	12.64	0.99
TRIB1	1	14490	26.85	464.99	465.94	466.12	466.51	0.072036	6.04	4.45	9.23	1.53
TRIB1	1	14445.*	27.37	462.39	463.38	463.49	463.82	0.053419	5.36	5.10	10.14	1.33
TRIB1	1	14400.*	27.91	459.80	460.70	460.87	461.26	0.074411	6.05	4.62	9.85	1.56
TRIB1	1	14355.*	28.47	457.20	458.17	458.24	458.55	0.044300	4.96	5.75	11.21	1.22
TRIB1	1	14310.*	29.05	454.61	455.39	455.62	456.09	0.102112	6.71	4.33	10.05	1.80
TRIB1	1	14265	29.64	452.01	453.01	452.98	453.26	0.026155	4.03	7.35	13.21	0.95
TRIB1	1	14217.5*	34.36	450.79	451.84	451.83	452.11	0.026911	4.17	8.24	14.37	0.97
TRIB1	1	14170.*	35.07	449.57	450.64	450.62	450.90	0.027073	4.14	8.47	15.04	0.97
TRIB1	1	14122.5*	35.79	448.36	449.39	449.41	449.69	0.032604	4.40	8.13	15.16	1.06
TRIB1	1	14075.*	36.50	447.14	448.15	448.20	448.48	0.037397	4.59	7.95	15.40	1.13
TRIB1	1	14027.5*	37.22	445.92	446.87	446.99	447.30	0.055476	5.29	7.04	14.87	1.35
TRIB1	1	13980	37.93	444.70	445.65	445.78	446.09	0.058081	5.33	7.12	15.37	1.38
TRIB1	1	13930.*	38.68	443.38	444.51	444.52	444.81	0.031680	4.42	8.75	15.87	1.05
TRIB1	1	13880.*	39.42	442.05	443.29	443.27	443.57	0.026939	4.32	9.13	15.12	0.98
TRIB1	1	13830.*	40.16	440.73	442.00	442.01	442.34	0.029868	4.65	8.63	13.74	1.03
TRIB1	1	13780.*	40.91	439.41	440.73	440.75	441.10	0.030796	4.86	8.42	12.80	1.06
TRIB1	1	13730.*	41.65	438.08	439.47	439.49	439.85	0.030648	4.98	8.36	12.10	1.06
TRIB1	1	13680	42.39	436.76	438.27		438.61	0.023447	4.63	9.16	12.06	0.93
TRIB1	1	13635.8*	43.05	435.83	437.30		437.61	0.023466	4.47	9.63	13.40	0.93
TRIB1	1	13591.6*	43.71	434.89	436.35		436.64	0.022809	4.29	10.19	14.79	0.91
TRIB1	1	13547.5*	44.36	433.96	435.39		435.67	0.023623	4.23	10.50	16.02	0.92
TRIB1	1	13503.3*	45.02	433.03	434.48		434.72	0.021420	3.98	11.31	17.53	0.87
TRIB1	1	13459.1*	45.67	432.09	433.51		433.77	0.024728	4.10	11.13	18.29	0.93
TRIB1	1	13415	46.33	431.16	432.66		432.86	0.018046	3.56	13.00	20.81	0.79
TRIB1	1	13367.*	46.32	430.40	431.90		432.08	0.015842	3.38	13.72	21.99	0.75
TRIB1	1	13319.*	46.31	429.63	431.04		431.26	0.021539	3.79	12.22	20.85	0.87
TRIB1	1	13271.*	46.30	428.87	430.48		430.58	0.009025	2.60	17.79	27.89	0.57
TRIB1	1	13223.*	46.23	428.10	430.32		430.33	0.000176	0.50	116.51	151.98	0.09
TRIB1	1	13175	46.20	427.34	430.32		430.32	0.000009	0.16	291.43	158.16	0.02
TRIB1	1	13100	Culvert									
TRIB1	1	13085	42.77	425.97	427.21		427.34	0.019110	3.26	17.66	59.33	0.80
TRIB1	1	13041.2*	46.19	425.44	426.53	426.52	426.71	0.025089	3.43	13.98	42.55	0.90
TRIB1	1	12997.5*	46.17	424.91	425.75		425.90	0.027022	3.13	14.74	40.08	0.91
TRIB1	1	12953.7*	46.17	424.38	424.95	424.95	425.10	0.039809	3.10	14.92	55.90	1.05
TRIB1	1	12910	46.16	423.85	424.13	424.17	424.30	0.062654	3.32	14.47	77.69	1.27
TRIB1	1	12866.6*	46.15	423.14	423.47	423.49	423.61	0.047446	3.09	15.66	78.37	1.12
TRIB1	1	12823.3*	46.13	422.43	422.80	422.82	422.93	0.039990	2.98	16.36	80.01	1.04
TRIB1	1	12780.*	46.12	421.73	422.16		422.26	0.022217	2.52	19.95	87.01	0.80
TRIB1	1	12736.6*	46.10	421.02	421.47	421.46	421.58	0.025393	2.67	18.82	85.48	0.85
TRIB1	1	12693.3*	46.09	420.31	420.84		420.91	0.014934	2.28	22.65	89.52	0.67
TRIB1	1	12650	46.09	419.60	420.11	420.10	420.22	0.023664	2.69	18.91	83.72	0.83
TRIB1	1	12607.5*	46.75	418.64	419.14	419.13	419.27	0.025973	2.89	17.01	63.41	0.88
TRIB1	1	12565.*	47.40	417.67	418.19		418.31	0.022674	2.86	17.48	58.59	0.83
TRIB1	1	12522.5*	48.06	416.71	417.21	417.20	417.36	0.026451	3.10	16.33	53.45	0.90
TRIB1	1	12480.*	48.73	415.75	416.28		416.41	0.020021	2.94	17.64	51.19	0.80
TRIB1	1	12437.5*	49.40	414.78	415.27	415.28	415.45	0.031219	3.50	14.89	45.19	0.99
TRIB1	1	12395	50.00	413.82	414.46		414.56	0.010496	2.59	21.08	46.79	0.61
TRIB1	1	12345.*	77.90	413.04	413.72		413.91	0.019123	3.68	23.52	49.50	0.83
TRIB1	1	12295.*	78.70	412.26	412.92		413.12	0.020018	3.74	23.59	50.72	0.85
TRIB1	1	12245.*	79.52	411.49	412.14		412.33	0.019159	3.68	24.55	53.11	0.83
TRIB1	1	12195.*	80.32	410.71	411.33	411.31	411.53	0.021947	3.84	24.11	55.71	0.89
TRIB1	1	12145	81.10	409.93	410.57		410.74	0.018322	3.58	26.96	63.46	0.81
TRIB1	1	12097.*	81.86	409.14	409.88	409.85	410.09	0.019950	3.79	23.93	51.05	0.85
TRIB1	1	12049.*	82.62	408.35	409.18	409.14	409.40	0.020915	3.87	22.52	45.30	0.87
TRIB1	1	12001.*	83.37	407.57	408.46	408.42	408.69	0.022631	3.92	21.58	41.12	0.90
TRIB1	1	11953.*	84.10	406.78	407.71	407.69	407.96	0.025314	4.00	21.00	37.60	0.94
TRIB1	1	11905	84.88	405.99	407.15		407.29	0.010998	3.06	27.75	39.81	0.65
TRIB1	1	11855.*	85.69	405.57	406.65		406.80	0.011447	3.11	27.71	43.26	0.66
TRIB1	1	11805.*	86.49	405.15	406.15		406.30	0.012092	3.18	27.91	47.11	0.68
TRIB1	1	11755.*	87.30	404.74	405.64		405.80	0.012192	3.19	28.99	51.88	0.68
TRIB1	1	11705.*	88.14	404.32	405.10		405.26	0.014321	3.32	28.85	56.30	0.73
TRIB1	1	11655	88.95	403.90	404.64		404.76	0.009796	2.88	35.23	66.74	0.61
TRIB1	1	11608.9*	89.67	403.47	404.24		404.36	0.009619	2.91	34.43	61.58	0.61
TRIB1	1	11562.9*	90.44	403.03	403.84		403.96	0.009364	2.90	34.74	61.36	0.60
TRIB1	1	11516.9*	91.19	402.60	403.43		403.54	0.008961	2.86	35.84	64.43	0.59
TRIB1	1	11470.9*	91.92	402.16	402.97		403.10	0.010721	3.02	34.80	69.46	0.64
TRIB1	1	11424.96	92.70	401.73	402.57		402.67	0.008683	2.76	41.39	94.67	0.58
TRIB1	1	11378.9*	93.45	401.36	402.18		402.29	0.008792	2.78	39.74	80.82	0.58
TRIB1	1	11332.9*	94.16	400.99	401.80		401.90	0.008622	2.75	39.38	74.64	0.57
TRIB1	1	11286.9*	94.94	400.61	401.41		401.51	0.009000	2.79	38.55	70.94	0.59
TRIB1	1	11240.9*	95.70	400.24	401.07		401.16	0.006879	2.55	42.47	72.26	0.52

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	11195	96.46	399.87	400.54		400.68	0.014369	3.19	33.87	70.79	0.72
TRIB1	1	11153.3*	97.19	399.24	399.97		400.12	0.012610	3.26	33.79	63.38	0.69
TRIB1	1	11111.6*	97.96	398.60	399.32		399.52	0.018224	3.88	29.13	57.05	0.83
TRIB1	1	11070	98.71	397.97	398.89		398.98	0.006741	2.86	52.18	137.65	0.53
TRIB1	1	11023.7*	99.41	397.46	398.47		398.63	0.009802	3.36	33.27	50.83	0.63
TRIB1	1	10977.5*	100.17	396.96	398.03		398.20	0.010479	3.32	31.99	47.84	0.65
TRIB1	1	10931.2*	100.93	396.45	397.59		397.75	0.010574	3.18	32.44	48.34	0.64
TRIB1	1	10884.9*	101.68	395.95	397.15		397.30	0.011173	3.10	32.94	49.24	0.65
TRIB1	1	10838.7*	102.42	395.44	396.68		396.83	0.012539	3.16	32.39	48.77	0.68
TRIB1	1	10792.4*	103.19	394.93	396.21		396.36	0.011816	3.17	32.58	46.78	0.67
TRIB1	1	10746.2*	103.96	394.43	395.71		395.88	0.011976	3.24	32.07	44.93	0.68
TRIB1	1	10699.98	104.71	393.92	395.29		395.43	0.009224	2.98	35.12	45.85	0.60
TRIB1	1	10655.9*	105.57	393.56	394.93		395.07	0.009483	3.01	35.07	46.07	0.61
TRIB1	1	10611.9*	106.45	393.20	394.58		394.72	0.009440	3.00	35.45	46.59	0.61
TRIB1	1	10567.9*	107.33	392.84	394.24		394.37	0.008904	2.94	36.55	47.54	0.59
TRIB1	1	10524.*	108.08	392.48	393.91		394.04	0.008075	2.83	38.20	48.82	0.56
TRIB1	1	10480	105.65	392.12	393.43		393.59	0.012179	3.27	32.28	45.13	0.68
TRIB1	1	10436.0*	104.94	391.44	393.18		393.26	0.003901	2.20	47.73	51.59	0.40
TRIB1	1	10392.0*	104.91	390.77	393.12		393.15	0.000918	1.39	85.54	125.07	0.21
TRIB1	1	10348.0*	104.87	390.09	393.11		393.12	0.000226	0.88	154.34	145.07	0.11
TRIB1	1	10304.0*	104.80	389.42	393.11		393.12	0.000081	0.63	225.58	153.55	0.07
TRIB1	1	10260.08	104.74	388.74	393.11		393.11	0.000037	0.49	295.65	161.27	0.05
TRIB1	1	10200	Culvert									
TRIB1	1	10160	104.74	388.21	390.38		390.56	0.008652	3.60	36.08	68.29	0.61
TRIB1	1	10111.6*	104.73	387.62	389.84		390.11	0.010990	4.22	24.85	22.07	0.69
TRIB1	1	10063.3*	104.73	387.02	389.34		389.61	0.010682	4.20	24.91	21.21	0.68
TRIB1	1	10015	104.72	386.43	388.96		389.18	0.008128	3.82	27.42	21.84	0.60
TRIB1	1	9966.25*	104.71	385.96	388.60		388.82	0.007823	3.74	27.97	22.33	0.59
TRIB1	1	9917.5*	104.70	385.49	388.26		388.47	0.007900	3.73	28.04	22.57	0.59
TRIB1	1	9868.75*	104.73	385.02	387.76		388.04	0.010388	4.27	24.57	20.65	0.67
TRIB1	1	9820	104.71	384.55	387.48		387.62	0.004968	3.28	37.41	35.13	0.47
TRIB1	1	9777.*	105.32	384.19	387.04		387.31	0.010022	4.17	25.26	20.35	0.66
TRIB1	1	9734.*	105.95	383.83	386.66		386.92	0.009967	4.07	26.02	21.76	0.66
TRIB1	1	9691.*	106.58	383.47	386.31		386.55	0.008807	3.95	27.01	21.58	0.62
TRIB1	1	9648.*	107.21	383.11	385.99		386.23	0.007640	3.87	27.74	20.47	0.59
TRIB1	1	9605	107.84	382.75	385.68		385.92	0.006848	3.92	27.53	18.10	0.56
TRIB1	1	9555.*	108.57	382.73	385.34		385.56	0.008437	3.80	28.57	23.66	0.61
TRIB1	1	9505.*	109.29	382.71	385.02		385.22	0.008007	3.60	30.37	27.37	0.59
TRIB1	1	9455	110.01	382.69	384.71		384.89	0.006969	3.44	32.29	30.16	0.56
TRIB1	1	9407.5*	110.70	382.36	384.40		384.59	0.006819	3.49	32.23	29.66	0.56
TRIB1	1	9360.*	111.39	382.02	384.06		384.26	0.007206	3.62	31.46	29.26	0.57
TRIB1	1	9312.5*	112.09	381.69	383.70		383.92	0.008075	3.82	30.29	29.54	0.60
TRIB1	1	9265	112.78	381.36	383.28		383.55	0.010475	4.22	27.86	28.93	0.68
TRIB1	1	9220.*	113.44	380.81	382.88		383.15	0.009848	4.18	27.94	27.05	0.66
TRIB1	1	9175.*	114.09	380.26	382.48		382.74	0.009452	4.16	27.96	25.39	0.65
TRIB1	1	9130.*	114.75	379.70	382.05		382.32	0.009933	4.25	27.27	23.53	0.67
TRIB1	1	9085.*	115.41	379.15	381.60		381.90	0.010333	4.38	26.48	21.74	0.68
TRIB1	1	9040.*	116.07	378.60	381.16		381.47	0.010735	4.49	25.89	20.45	0.69
TRIB1	1	8995.*	116.72	378.04	380.76		381.07	0.010109	4.45	26.23	19.65	0.68
TRIB1	1	8950.*	117.38	377.49	380.45		380.72	0.007924	4.16	28.23	19.43	0.60
TRIB1	1	8905	118.04	376.94	380.22		380.44	0.005521	3.73	31.69	19.60	0.51
TRIB1	1	8862.5*	118.65	376.91	380.04		380.23	0.005194	3.51	33.88	22.20	0.49
TRIB1	1	8820.*	119.26	376.88	379.86		380.03	0.005056	3.34	35.76	24.86	0.49
TRIB1	1	8777.5*	119.87	376.85	379.69		379.85	0.005071	3.20	37.43	27.82	0.48
TRIB1	1	8735.*	120.48	376.81	379.52		379.67	0.005292	3.11	38.71	31.03	0.49
TRIB1	1	8692.5*	121.09	376.78	379.33		379.48	0.005888	3.10	39.01	33.92	0.51
TRIB1	1	8650	121.70	376.75	379.09		379.26	0.007628	3.30	36.91	35.70	0.57
TRIB1	1	8606.66*	122.33	376.40	378.84		379.01	0.007251	3.31	37.03	35.91	0.56
TRIB1	1	8563.33*	122.97	376.05	378.57		378.75	0.007232	3.43	36.24	35.66	0.56
TRIB1	1	8520	123.60	375.70	378.17		378.43	0.011056	4.06	30.87	32.65	0.69
TRIB1	1	8471.42*	124.28	375.41	377.75		377.99	0.011060	3.92	31.87	33.99	0.68
TRIB1	1	8422.85*	124.95	375.12	377.35		377.57	0.010495	3.74	33.50	36.01	0.66
TRIB1	1	8374.28*	125.62	374.83	376.97		377.16	0.009599	3.54	35.63	38.62	0.63
TRIB1	1	8325.71*	126.30	374.54	376.58		376.76	0.009019	3.38	37.52	41.33	0.61
TRIB1	1	8277.14*	126.97	374.25	376.17		376.35	0.009474	3.38	37.71	43.34	0.63
TRIB1	1	8228.57*	127.64	373.96	375.75		375.93	0.010300	3.42	37.55	45.55	0.65
TRIB1	1	8180	128.30	373.67	375.33		375.52	0.011634	3.50	36.91	47.81	0.68
TRIB1	1	8139.*	133.36	372.96	374.91		375.11	0.011279	3.56	37.47	43.54	0.68
TRIB1	1	8098.*	135.35	372.25	374.43		374.66	0.011689	3.82	35.41	37.83	0.70
TRIB1	1	8057.*	135.98	371.53	373.97		374.22	0.012132	4.04	33.63	33.79	0.71
TRIB1	1	8016.*	136.61	370.82	373.59		373.84	0.010797	4.02	34.00	31.30	0.68
TRIB1	1	7975	137.24	370.11	373.27		373.50	0.009126	3.88	35.38	29.78	0.63
TRIB1	1	7926.42*	137.94	369.89	372.91		373.14	0.009242	3.84	35.93	31.29	0.63
TRIB1	1	7877.85*	138.64	369.67	372.55		372.77	0.009212	3.80	36.46	32.35	0.63
TRIB1	1	7829.28*	139.33	369.45	372.20		372.42	0.008993	3.75	37.11	33.13	0.63

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	7780.71*	140.03	369.22	371.89		372.09	0.008011	3.61	38.81	34.06	0.59
TRIB1	1	7732.14*	140.71	369.00	371.63		371.81	0.005914	3.47	41.00	33.60	0.53
TRIB1	1	7683.57*	141.40	368.78	371.42		371.59	0.004442	3.37	44.10	34.75	0.47
TRIB1	1	7635	142.09	368.56	371.28		371.43	0.003302	3.22	50.70	41.78	0.41
TRIB1	1	7585.*	142.81	368.34	371.11		371.28	0.003685	3.39	47.73	39.13	0.44
TRIB1	1	7535.*	143.52	368.13	370.92		371.11	0.004222	3.59	44.95	37.11	0.47
TRIB1	1	7485.*	144.24	367.91	370.69		370.90	0.005126	3.85	42.09	35.75	0.51
TRIB1	1	7435.*	144.95	367.70	370.38		370.65	0.007312	4.33	37.86	36.02	0.60
TRIB1	1	7385	145.67	367.48	369.89	369.90	370.37	0.016453	5.70	28.65	35.08	0.87
TRIB1	1	7335.83*	146.38	366.81	369.23	369.15	369.72	0.016562	5.64	27.08	27.62	0.87
TRIB1	1	7286.66*	147.09	366.14	368.57		369.03	0.016166	5.48	27.24	24.52	0.85
TRIB1	1	7237.5*	147.80	365.48	367.89		368.34	0.016191	5.36	27.68	23.79	0.85
TRIB1	1	7188.33*	148.51	364.81	367.21		367.64	0.016310	5.26	28.25	24.06	0.85
TRIB1	1	7139.16*	149.22	364.14	366.52		366.94	0.016383	5.18	28.81	24.81	0.85
TRIB1	1	7090	149.93	363.47	365.97		366.30	0.012077	4.57	32.77	27.06	0.73
TRIB1	1	7044.28*	149.93	363.10	365.54		365.84	0.011347	4.40	34.04	28.47	0.71
TRIB1	1	6998.57*	149.93	362.73	365.13		365.41	0.010404	4.21	35.59	29.85	0.68
TRIB1	1	6952.85*	149.92	362.36	364.67		364.95	0.010615	4.21	35.62	30.42	0.69
TRIB1	1	6907.14*	149.92	361.99	364.20		364.48	0.011092	4.27	35.08	30.29	0.70
TRIB1	1	6861.42*	149.91	361.62	363.74		364.03	0.011353	4.29	34.94	30.55	0.71
TRIB1	1	6815.71*	149.90	361.25	363.32		363.59	0.010863	4.19	35.79	31.42	0.69
TRIB1	1	6770	149.90	360.88	362.98		363.21	0.008560	3.80	39.40	33.44	0.62
TRIB1	1	6728.*	160.44	360.45	362.60		362.85	0.008593	3.97	40.46	32.36	0.62
TRIB1	1	6686.*	160.20	360.01	362.36		362.56	0.005954	3.56	45.00	32.08	0.53
TRIB1	1	6644.*	159.91	359.58	362.22		362.37	0.003902	3.13	51.07	32.04	0.44
TRIB1	1	6602.*	159.89	359.14	362.13		362.25	0.002485	2.78	58.71	39.90	0.36
TRIB1	1	6560	159.84	358.71	362.13		362.17	0.000698	1.67	132.86	115.81	0.19
TRIB1	1	6520.*	159.79	358.04	362.09		362.14	0.000684	1.75	98.80	62.95	0.20
TRIB1	1	6480.*	159.75	357.36	362.09		362.12	0.000337	1.31	131.06	76.23	0.14
TRIB1	1	6440	159.70	356.69	362.09		362.11	0.000181	1.01	167.79	90.51	0.10
TRIB1	1	6400	Culvert									
TRIB1	1	6360.01	159.70	355.71	359.91		360.06	0.002630	3.12	51.25	20.74	0.35
TRIB1	1	6312.50*	159.68	356.17	359.65		359.88	0.005219	3.88	41.15	21.80	0.50
TRIB1	1	6265	159.67	356.64	359.29		359.60	0.007758	4.46	35.80	21.53	0.61
TRIB1	1	6217.5*	159.67	356.10	358.95		359.26	0.007760	4.50	35.46	21.03	0.61
TRIB1	1	6170.*	159.66	355.55	358.66		358.95	0.006506	4.29	37.25	20.72	0.56
TRIB1	1	6122.5*	159.65	355.01	358.46		358.69	0.004633	3.86	41.38	20.63	0.48
TRIB1	1	6075	159.65	354.47	358.35		358.52	0.002890	3.32	48.03	20.58	0.38
TRIB1	1	6036.25*	159.83	354.59	358.23		358.41	0.003057	3.36	47.51	21.05	0.39
TRIB1	1	5997.5*	160.04	354.71	358.11		358.29	0.003263	3.40	47.02	21.74	0.41
TRIB1	1	5958.75*	160.24	354.83	357.98		358.17	0.003487	3.43	46.69	22.63	0.42
TRIB1	1	5920	160.45	354.95	357.86		358.04	0.003572	3.44	47.00	29.21	0.43
TRIB1	1	5871.25*	160.71	354.76	357.64		357.86	0.004361	3.75	43.53	27.33	0.47
TRIB1	1	5822.5*	160.97	354.57	357.35		357.62	0.005892	4.21	39.55	28.05	0.54
TRIB1	1	5773.75*	161.23	354.37	356.90		357.30	0.010775	5.16	33.49	33.20	0.72
TRIB1	1	5725	161.48	354.18	356.62		356.83	0.007389	4.17	56.59	86.52	0.59
TRIB1	1	5685.*	161.68	353.76	356.26		356.56	0.008397	4.66	43.63	51.45	0.64
TRIB1	1	5645.*	161.89	353.33	356.03		356.27	0.005561	4.16	47.35	44.67	0.53
TRIB1	1	5605	162.09	352.91	355.94		356.09	0.002838	3.36	58.74	43.38	0.39
TRIB1	1	5562.*	178.11	352.79	355.69		355.92	0.004240	3.99	52.50	39.92	0.47
TRIB1	1	5519.*	178.33	352.66	355.49		355.74	0.004790	4.15	49.30	37.93	0.50
TRIB1	1	5476.*	178.55	352.54	355.23		355.52	0.005924	4.42	45.22	36.49	0.55
TRIB1	1	5433.*	178.78	352.41	354.88		355.25	0.008883	4.99	39.16	35.01	0.67
TRIB1	1	5390	179.01	352.29	354.65		354.95	0.008556	4.70	48.54	67.46	0.65
TRIB1	1	5343.*	179.23	351.81	354.19		354.59	0.010587	5.16	37.31	33.86	0.72
TRIB1	1	5296.*	179.46	351.33	353.75		354.14	0.010493	5.09	37.44	32.43	0.71
TRIB1	1	5249.*	179.69	350.84	353.32		353.69	0.010096	4.97	38.38	33.00	0.70
TRIB1	1	5202.*	179.91	350.36	352.96		353.28	0.008486	4.65	41.51	35.20	0.64
TRIB1	1	5155	180.12	349.88	352.76		352.98	0.005076	3.90	51.38	41.94	0.51
TRIB1	1	5108.75*	180.39	349.74	352.55		352.78	0.005340	4.04	52.58	47.90	0.52
TRIB1	1	5062.5*	180.67	349.60	352.32		352.55	0.005602	4.15	53.53	48.34	0.54
TRIB1	1	5016.25*	180.93	349.45	352.03		352.27	0.006480	4.38	52.11	46.96	0.58
TRIB1	1	4970	181.20	349.31	351.57		351.92	0.011709	5.37	42.99	43.43	0.76
TRIB1	1	4926.66*	181.42	348.97	351.07	351.04	351.54	0.013807	6.00	37.78	38.78	0.83
TRIB1	1	4883.33*	181.63	348.63	350.59		351.07	0.012858	5.97	36.50	32.57	0.81
TRIB1	1	4840	181.84	348.29	350.28		350.63	0.007923	5.11	42.38	31.07	0.65
TRIB1	1	4798.*	182.07	347.89	349.96		350.32	0.008447	5.19	41.32	30.68	0.67
TRIB1	1	4756.*	182.29	347.49	349.62		350.00	0.008879	5.26	40.35	30.36	0.68
TRIB1	1	4714.*	182.51	347.08	349.27		349.66	0.009204	5.33	39.48	30.14	0.69
TRIB1	1	4672.*	182.73	346.68	348.92		349.32	0.009016	5.29	39.30	30.02	0.68
TRIB1	1	4630	182.95	346.28	348.62		348.98	0.007784	5.05	40.85	30.33	0.64
TRIB1	1	4582.*	183.20	345.93	348.26		348.63	0.008241	5.04	40.55	30.98	0.65
TRIB1	1	4534.*	183.45	345.58	347.88		348.25	0.008814	5.06	39.90	31.30	0.67
TRIB1	1	4486.*	183.68	345.22	347.47		347.86	0.009489	5.08	39.03	31.14	0.69
TRIB1	1	4438.*	183.94	344.87	347.01		347.43	0.011356	5.29	36.66	29.97	0.75

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	4390	184.18	344.52	346.41	346.36	346.97	0.018091	6.00	31.36	27.42	0.92
TRIB1	1	4341.25*	184.41	343.85	345.73	345.64	346.23	0.016726	5.72	33.07	30.09	0.88
TRIB1	1	4292.5*	184.58	343.17	345.22		345.55	0.009746	4.71	41.98	38.98	0.69
TRIB1	1	4243.75*	184.80	342.50	345.14		345.25	0.002124	2.76	77.34	51.33	0.34
TRIB1	1	4195	185.01	341.83	345.14		345.18	0.000572	1.73	126.20	60.98	0.18
TRIB1	1	4147.5*	185.28	341.48	345.09		345.14	0.000813	2.02	108.61	56.57	0.22
TRIB1	1	4100.*	185.55	341.12	345.02		345.10	0.001180	2.38	91.99	53.19	0.26
TRIB1	1	4052.5*	185.82	340.77	344.93		345.04	0.001784	2.84	74.80	48.38	0.31
TRIB1	1	4005	186.09	340.42	344.77		344.94	0.002763	3.33	59.13	36.20	0.38
TRIB1	1	3955.*	158.33	340.99	344.58		344.73	0.003003	3.17	51.83	35.10	0.39
TRIB1	1	3905	186.61	341.56	344.16		344.56	0.012129	5.06	36.94	27.84	0.75
TRIB1	1	3856.25*	186.60	341.04	343.62		344.05	0.011625	5.25	36.49	29.40	0.75
TRIB1	1	3807.5*	186.59	340.52	343.09		343.54	0.011185	5.46	36.47	29.31	0.74
TRIB1	1	3758.75*	186.58	340.01	342.58		343.04	0.010604	5.65	36.87	28.57	0.74
TRIB1	1	3710	186.48	339.49	342.20		342.60	0.007991	5.44	41.33	30.38	0.66
TRIB1	1	3666.*	185.70	339.15	341.98		342.26	0.005713	4.29	46.39	32.31	0.55
TRIB1	1	3622.*	180.15	338.82	341.87		342.04	0.003561	3.28	55.51	34.38	0.43
TRIB1	1	3578.	165.91	338.48	341.82		341.91	0.001884	2.41	68.76	36.82	0.31
TRIB1	2	3534.	304.30	338.15	341.38		341.74	0.004739	4.96	68.53	35.07	0.53
TRIB1	2	3490	304.30	337.81	341.31		341.56	0.002740	4.06	82.58	37.09	0.41
TRIB1	2	3440.71*	304.29	337.54	341.17		341.43	0.002942	4.22	80.76	37.82	0.42
TRIB1	2	3391.42*	304.28	337.27	341.01		341.29	0.003168	4.38	79.29	38.96	0.44
TRIB1	2	3342.14*	304.27	337.00	340.85		341.14	0.003395	4.54	78.45	40.38	0.45
TRIB1	2	3292.85*	304.26	336.72	340.68		340.99	0.003597	4.68	78.67	42.69	0.47
TRIB1	2	3243.57*	304.24	336.45	340.52		340.82	0.003722	4.76	80.49	46.17	0.47
TRIB1	2	3194.28*	304.24	336.18	340.38		340.65	0.003597	4.70	86.26	52.81	0.46
TRIB1	2	3145	304.24	335.91	340.26		340.48	0.003087	4.38	96.94	58.75	0.43
TRIB1	2	3098.12*	304.95	335.85	340.05		340.35	0.003805	4.77	82.10	48.18	0.48
TRIB1	2	3051.25*	305.66	335.78	339.85		340.17	0.004127	4.84	75.77	42.18	0.49
TRIB1	2	3004.37*	306.38	335.72	339.66		339.98	0.004212	4.77	73.91	40.00	0.50
TRIB1	2	2957.5*	307.09	335.65	339.48		339.79	0.004184	4.64	74.43	40.31	0.49
TRIB1	2	2910.62*	307.81	335.59	339.31		339.61	0.004125	4.49	76.56	43.49	0.49
TRIB1	2	2863.75*	308.53	335.53	339.15		339.42	0.003928	4.27	80.97	47.18	0.47
TRIB1	2	2816.87*	309.24	335.46	339.01		339.24	0.003528	3.98	88.66	52.82	0.45
TRIB1	2	2770	309.95	335.40	338.91		339.09	0.002871	3.55	103.63	65.23	0.40
TRIB1	2	2728.75*	310.57	335.17	338.68		338.95	0.004258	4.29	81.32	51.40	0.49
TRIB1	2	2687.5*	311.20	334.95	338.36		338.74	0.006250	5.04	67.21	42.54	0.59
TRIB1	2	2646.25*	311.82	334.72	337.86		338.44	0.011376	6.24	55.21	41.39	0.77
TRIB1	2	2605	312.45	334.49	337.68		337.97	0.006859	4.91	85.80	75.57	0.60
TRIB1	2	2558.75*	313.15	334.13	337.32		337.64	0.007308	5.05	80.80	74.40	0.62
TRIB1	2	2512.5*	313.85	333.78	336.81	336.75	337.28	0.010425	5.73	66.60	71.78	0.74
TRIB1	2	2466.25*	314.56	333.42	336.42	336.19	336.91	0.010726	5.72	61.06	69.05	0.74
TRIB1	2	2420.*	315.27	333.07	336.01		336.48	0.010485	5.53	60.36	46.42	0.73
TRIB1	2	2373.75*	315.97	332.71	335.60		336.04	0.010436	5.38	61.20	46.75	0.73
TRIB1	2	2327.5*	316.68	332.35	335.18		335.60	0.010489	5.24	62.34	47.79	0.72
TRIB1	2	2281.25*	317.38	332.00	334.79		335.18	0.009896	5.01	65.61	50.48	0.70
TRIB1	2	2235	318.09	331.64	334.58		334.84	0.006265	4.21	82.19	71.82	0.56
TRIB1	2	2190.*	318.09	331.44	334.31		334.59	0.006582	4.36	77.60	60.88	0.58
TRIB1	2	2145.*	318.08	331.23	334.03		334.33	0.006701	4.45	75.42	55.25	0.59
TRIB1	2	2100.*	318.08	331.03	333.75		334.07	0.006776	4.53	74.50	54.49	0.59
TRIB1	2	2055.*	318.08	330.82	333.48		333.80	0.006797	4.60	74.34	56.82	0.60
TRIB1	2	2010.*	318.08	330.61	333.20		333.51	0.006695	4.61	78.22	74.06	0.59
TRIB1	2	1965	318.08	330.41	332.98		333.24	0.005365	4.27	89.37	79.19	0.53
TRIB1	2	1915.*	318.27	330.01	332.67		332.99	0.006505	4.66	77.23	67.51	0.59
TRIB1	2	1865.*	318.49	329.60	332.34		332.70	0.007374	4.91	70.27	56.49	0.62
TRIB1	2	1815	318.69	329.20	331.99		332.37	0.007852	5.03	68.08	53.05	0.64
TRIB1	2	1770.*	318.86	328.71	331.73		332.09	0.006434	4.94	73.24	54.85	0.59
TRIB1	2	1725.*	319.04	328.22	331.49		331.84	0.005579	4.98	76.63	54.11	0.56
TRIB1	2	1680.*	319.21	327.72	331.19		331.59	0.005952	5.43	73.07	49.18	0.59
TRIB1	2	1635	319.39	327.23	330.60	330.56	331.38	0.012132	7.55	51.55	34.18	0.83
TRIB1	2	1595.*	319.58	326.85	330.13	330.03	330.90	0.012111	7.34	50.20	32.51	0.82
TRIB1	2	1555.*	319.76	326.47	329.74		330.42	0.010346	6.77	52.52	32.17	0.76
TRIB1	2	1515.*	319.94	326.08	329.52		330.01	0.006894	5.76	60.94	34.01	0.63
TRIB1	2	1500	Lat Struct									
TRIB1	2	1475	320.14	325.70	329.48		329.79	0.003744	4.60	76.87	38.98	0.47
TRIB1	2	1435.00*	320.29	325.97	329.37		329.64	0.003614	4.23	82.09	43.45	0.46
TRIB1	2	1395.01	320.45	326.24	329.33		329.52	0.002483	3.54	97.27	49.48	0.38
TRIB1	2	1347.50*	320.63	326.33	329.18		329.40	0.003505	3.88	91.44	58.73	0.44
TRIB1	2	1300	320.81	326.43	329.02		329.23	0.004390	3.96	103.05	99.53	0.49
TRIB1	2	1263.33*	320.81	326.11	328.79	328.39	329.23	0.008130	5.48	67.15	77.15	0.66
TRIB1	2	1226.66*	320.81	325.79	328.48	328.46	328.99	0.011416	6.40	67.66	65.19	0.78
TRIB1	2	1190	320.80	325.47	328.05	328.05	328.45	0.014854	6.75	76.47	100.00	0.84
ALDER	1	17980	73.20	344.61	347.24		347.36	0.003971	2.74	26.68	20.32	0.42
ALDER	1	17934.1*	73.19	344.54	347.05		347.17	0.004467	2.82	25.97	20.84	0.44
ALDER	1	17888.3*	73.19	344.46	346.84		346.97	0.005077	2.93	24.99	21.34	0.47

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17842.5*	73.19	344.39	346.63		346.77	0.005735	3.05	24.08	22.78	0.50
ALDER	1	17796.6*	73.19	344.32	346.42		346.58	0.006311	3.16	23.51	24.66	0.52
ALDER	1	17750.8*	73.19	344.24	346.21		346.37	0.006994	3.27	23.10	26.73	0.55
ALDER	1	17705	73.19	344.17	345.94		346.14	0.009191	3.57	21.51	28.56	0.62
ALDER	1	17663.7*	73.62	343.76	345.70		345.88	0.007425	3.51	22.23	25.59	0.57
ALDER	1	17622.5*	74.06	343.35	345.48		345.66	0.006015	3.47	23.20	24.92	0.53
ALDER	1	17581.2*	74.49	342.93	345.27		345.46	0.005549	3.58	23.43	24.44	0.51
ALDER	1	17540	74.92	342.52	345.06		345.27	0.005726	3.84	23.15	24.40	0.52
ALDER	1	17490.4*	75.40	342.38	344.78		345.00	0.006218	3.90	22.96	24.99	0.54
ALDER	1	17440.9*	75.89	342.24	344.50		344.73	0.007095	4.03	22.38	25.52	0.58
ALDER	1	17391.3*	76.38	342.11	344.23		344.47	0.007841	4.11	22.17	26.72	0.60
ALDER	1	17341.8*	76.86	341.97	343.98		344.22	0.008205	4.13	22.76	30.94	0.62
ALDER	1	17292.2*	77.35	341.83	343.75		343.97	0.008129	4.05	23.94	35.15	0.61
ALDER	1	17242.7*	77.83	341.69	343.53		343.73	0.007670	3.90	25.78	39.39	0.60
ALDER	1	17193.1*	78.32	341.55	343.31		343.49	0.007063	3.71	28.18	45.57	0.57
ALDER	1	17143.6*	78.81	341.41	343.10		343.24	0.006193	3.45	30.88	46.90	0.54
ALDER	1	17094.0*	79.30	341.28	342.87		342.99	0.005742	3.27	32.83	47.76	0.51
ALDER	1	17044.5*	79.78	341.14	342.61		342.73	0.005835	3.20	33.52	48.02	0.51
ALDER	1	16995	80.27	341.00	342.38		342.49	0.005330	3.01	35.92	50.71	0.49
ALDER	1	16950.8*	80.73	340.58	342.09		342.24	0.007149	3.43	31.78	52.14	0.56
ALDER	1	16906.6*	81.20	340.17	341.78		341.97	0.009637	3.85	27.25	47.51	0.65
ALDER	1	16862.5*	81.66	339.76	341.45	341.40	341.71	0.013367	4.33	23.40	48.47	0.75
ALDER	1	16818.3*	82.12	339.34	341.10	341.15	341.42	0.018407	4.75	20.79	51.45	0.87
ALDER	1	16774.1*	82.58	338.93	340.73	340.81	341.07	0.021550	4.93	20.58	46.45	0.93
ALDER	1	16730	83.04	338.51	340.35	340.35	340.61	0.018005	4.58	22.89	41.45	0.85
ALDER	1	16684.2*	83.50	338.02	339.95	339.98	340.28	0.018881	4.84	20.55	40.60	0.88
ALDER	1	16638.5*	83.95	337.54	339.54	339.43	339.88	0.016939	4.72	18.79	31.91	0.84
ALDER	1	16592.8*	84.41	337.05	339.09		339.41	0.015132	4.51	18.70	18.61	0.79
ALDER	1	16547.1*	84.87	336.57	338.61		338.91	0.014203	4.39	19.32	19.11	0.77
ALDER	1	16501.4*	85.33	336.08	338.11		338.40	0.014176	4.37	19.52	19.43	0.77
ALDER	1	16455.7*	85.79	335.60	337.64		337.92	0.013038	4.22	20.31	20.00	0.74
ALDER	1	16410	86.24	335.11	337.30		337.50	0.008808	3.63	23.75	21.89	0.61
ALDER	1	16364.1*	86.71	334.74	336.96		337.16	0.008642	3.63	23.87	21.66	0.61
ALDER	1	16318.3*	87.17	334.37	336.62		336.83	0.008472	3.63	24.00	21.44	0.61
ALDER	1	16272.5*	87.64	334.01	336.29		336.49	0.008310	3.64	24.10	21.18	0.60
ALDER	1	16226.6*	88.11	333.64	335.96		336.16	0.008121	3.63	24.29	21.03	0.59
ALDER	1	16180.8*	88.57	333.27	335.65		335.84	0.007236	3.54	25.07	21.12	0.57
ALDER	1	16135	89.04	332.90	335.38		335.55	0.005881	3.37	26.62	21.60	0.52
ALDER	1	16089.*	89.50	332.83	335.10		335.30	0.007100	3.61	25.25	23.55	0.57
ALDER	1	16043.*	89.96	332.75	334.82		335.04	0.008051	3.83	24.79	26.54	0.60
ALDER	1	15997.*	90.42	332.68	334.54		334.77	0.008737	3.97	25.25	29.33	0.63
ALDER	1	15951.*	90.88	332.60	334.23		334.46	0.009969	4.13	26.25	35.15	0.67
ALDER	1	15905	91.34	332.53	333.95		334.10	0.007802	3.60	34.92	56.13	0.59
ALDER	1	15856.*	91.85	331.89	333.56	333.48	333.83	0.011705	4.49	25.71	46.48	0.72
ALDER	1	15807.*	92.36	331.25	333.16	333.05	333.53	0.014083	4.97	20.14	28.50	0.79
ALDER	1	15758.*	92.86	330.62	332.69	332.63	333.12	0.017466	5.33	18.28	23.83	0.87
ALDER	1	15709.*	93.37	329.98	332.06	332.14	332.54	0.024764	5.84	18.62	27.88	1.01
ALDER	1	15660	93.87	329.34	331.46	331.52	331.78	0.019552	5.18	23.32	50.51	0.89
ALDER	1	15611.2*	94.36	328.45	330.74	330.79	331.29	0.023276	5.97	16.41	19.97	0.98
ALDER	1	15562.5*	94.86	327.57	329.77	329.76	330.33	0.024246	6.00	15.81	14.29	1.01
ALDER	1	15513.7*	95.35	326.68	328.86	328.81	329.36	0.021990	5.69	16.75	15.33	0.96
ALDER	1	15465	95.85	325.80	328.28		328.54	0.008583	4.05	23.77	20.35	0.62
ALDER	1	15426.2*	96.15	325.47	328.03		328.25	0.006546	3.79	25.89	20.56	0.55
ALDER	1	15387.5*	96.38	325.14	327.88		328.04	0.004021	3.30	30.93	23.13	0.44
ALDER	1	15348.7*	96.66	324.82	327.82		327.93	0.002236	2.77	39.62	32.00	0.34
ALDER	1	15310	96.92	324.49	327.78		327.85	0.001230	2.28	50.86	34.64	0.26
ALDER	1	15263.3*	96.96	324.57	327.71		327.80	0.001805	2.54	43.89	33.07	0.31
ALDER	1	15216.6*	96.15	324.65	327.59		327.72	0.003031	2.93	36.18	31.75	0.39
ALDER	1	15170	95.32	324.73	327.53		327.62	0.003152	2.65	45.04	67.70	0.38
ALDER	1	15125.*	93.27	324.30	327.47		327.53	0.001359	2.10	63.91	93.82	0.26
ALDER	1	15080.	91.61	323.87	327.46		327.48	0.000372	1.29	106.67	95.73	0.14
ALDER	2a	15035.	411.09	323.45	326.90		327.26	0.007747	5.79	103.26	97.73	0.66
ALDER	2a	14990.*	411.08	323.02	326.82		326.97	0.002890	3.82	149.90	106.58	0.41
ALDER	2a	14945	411.08	322.59	326.83		326.87	0.000703	2.05	267.26	145.63	0.21
ALDER	2a	14899.1*	411.07	322.52	326.69		326.82	0.002166	3.51	158.16	112.62	0.36
ALDER	2a	14853.3*	411.07	322.44	326.53		326.71	0.002729	3.84	128.09	70.54	0.40
ALDER	2a	14807.5*	411.02	322.36	326.36		326.58	0.003191	4.03	116.99	62.75	0.43
ALDER	2a	14761.6*	411.02	322.29	326.17		326.42	0.003688	4.20	108.91	59.23	0.46
ALDER	2a	14715.8*	410.80	322.22	326.01		326.26	0.003874	4.19	110.63	82.80	0.47
ALDER	2a	14670	410.79	322.14	326.06		326.09	0.000636	1.75	307.35	200.95	0.19
ALDER	2a	14623.*	433.34	322.14	326.00		326.05	0.000963	1.96	279.20	201.95	0.23
ALDER	2a	14576.*	433.26	322.15	325.95		325.99	0.001271	2.10	258.74	193.54	0.26
ALDER	2a	14529.*	433.25	322.15	325.88		325.93	0.001550	2.16	245.06	192.48	0.28
ALDER	2a	14482.*	433.27	322.16	325.80		325.85	0.001730	2.16	234.87	183.53	0.29
ALDER	2a	14435	433.25	322.16	325.73		325.78	0.001245	1.88	234.61	167.15	0.25

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14385.*	433.25	322.17	325.47		325.64	0.006124	3.87	147.15	169.69	0.55
ALDER	2a	14335.*	433.24	322.19	325.07		325.29	0.009211	4.27	122.73	135.16	0.65
ALDER	2a	14285.*	433.24	322.21	324.70		324.87	0.008264	3.60	131.75	138.18	0.60
ALDER	2a	14235	384.89	322.22	324.48		324.57	0.003652	2.22	159.79	144.11	0.39
ALDER	2a	14192.*	433.23	321.32	323.92	323.87	324.48	0.020433	6.05	71.61	58.53	0.96
ALDER	2a	14149.*	433.23	320.42	323.10	323.04	323.71	0.019382	6.27	69.11	51.44	0.95
ALDER	2a	14106.*	433.23	319.52	322.35		322.97	0.017118	6.33	68.42	45.61	0.91
ALDER	2a	14063.*	433.23	318.62	321.86		322.35	0.010253	5.62	77.26	43.53	0.73
ALDER	2a	14020	433.22	317.72	321.69		322.03	0.004460	4.67	95.25	44.11	0.51
ALDER	2a	13975.*	433.44	317.77	321.50		321.83	0.004618	4.66	96.10	47.03	0.51
ALDER	2a	13930.*	433.66	317.82	321.28		321.61	0.004969	4.71	95.94	49.77	0.53
ALDER	2a	13885.*	433.88	317.86	321.03		321.38	0.005610	4.81	94.71	53.07	0.56
ALDER	2a	13840	434.10	317.91	320.73		321.11	0.006916	5.04	91.81	58.09	0.61
ALDER	2a	13795.*	434.36	317.52	320.35		320.78	0.008591	5.50	87.81	64.38	0.68
ALDER	2a	13750	434.61	317.13	319.98		320.40	0.008630	5.56	91.91	74.99	0.68
ALDER	2a	13703.7*	434.85	316.77	319.58		320.01	0.008649	5.50	89.95	67.33	0.68
ALDER	2a	13657.5*	433.26	316.40	319.18		319.62	0.008812	5.47	88.08	67.06	0.69
ALDER	2a	13611.2*	433.46	316.04	318.78		319.22	0.008914	5.42	86.37	63.85	0.69
ALDER	2a	13565	435.58	315.67	318.21		318.75	0.012478	5.93	75.81	53.75	0.80
ALDER	2a	13525.*	435.78	315.11	317.79		318.25	0.009809	5.42	80.78	47.35	0.71
ALDER	2a	13485.*	435.99	314.55	317.66		317.95	0.004847	4.32	101.22	47.95	0.51
ALDER	2a	13445	436.20	313.99	317.62		317.80	0.002360	3.43	127.67	49.86	0.37
ALDER	2a	13399.*	436.34	313.78	317.51		317.69	0.002618	3.47	126.38	53.62	0.39
ALDER	2a	13353.*	436.52	313.57	317.40		317.58	0.002513	3.40	130.34	59.26	0.38
ALDER	2a	13307.*	436.70	313.35	317.32		317.47	0.002091	3.17	143.13	68.30	0.35
ALDER	2a	13261.*	436.87	313.14	317.28		317.39	0.001448	2.76	172.21	85.34	0.29
ALDER	2a	13215	437.05	312.93	317.29		317.34	0.000711	2.06	253.74	131.82	0.21
ALDER	2a	13187.5*	437.33	312.72	317.22		317.31	0.001160	2.72	194.55	117.06	0.27
ALDER	2a	13160	437.60	312.52	317.07		317.27	0.002380	3.95	138.19	75.78	0.38
ALDER	2a	13132.5*	437.77	311.79	316.99		317.20	0.002256	3.94	137.07	89.10	0.37
ALDER	2a	13105	437.94	311.06	317.00		317.14	0.001471	3.30	183.19	135.79	0.30
ALDER	2a	13056.6*	438.15	311.09	316.82		317.07	0.002492	4.13	124.72	77.50	0.38
ALDER	2a	13008.3*	438.37	311.12	316.62		316.93	0.003365	4.61	107.19	50.38	0.43
ALDER	2a	12960.*	438.60	311.15	316.37		316.75	0.004603	5.12	96.62	46.95	0.49
ALDER	2a	12911.6*	438.82	311.19	316.01		316.50	0.006665	5.86	85.42	45.56	0.58
ALDER	2a	12863.3*	439.04	311.22	315.45	315.31	316.15	0.012564	7.10	72.20	46.09	0.76
ALDER	2a	12815	439.27	311.25	315.16		315.56	0.008139	6.02	101.77	98.69	0.67
ALDER	2a	12771.6*	439.52	310.75	314.72	314.68	315.18	0.009750	6.37	98.99	96.62	0.69
ALDER	2a	12728.3*	439.76	310.24	314.22	314.37	314.81	0.010891	7.01	86.99	101.99	0.75
ALDER	2a	12685	440.01	309.74	313.74	313.80	314.40	0.010340	7.30	82.99	94.83	0.77
ALDER	2a	12645.*	440.20	309.55	313.32	313.50	314.05	0.012500	7.49	82.79	95.28	0.83
ALDER	2a	12605.*	440.39	309.35	312.92	312.96	313.42	0.010580	6.43	97.79	101.59	0.75
ALDER	2a	12565	440.59	309.16	312.84		313.02	0.004130	4.10	148.83	110.67	0.47
ALDER	2a	12530.*	440.76	309.20	312.66		312.87	0.005255	4.51	137.71	110.08	0.53
ALDER	2a	12495.*	440.93	309.24	312.44		312.67	0.006257	4.73	126.51	101.26	0.57
ALDER	2a	12460	441.11	309.28	312.05		312.40	0.012003	5.86	102.23	95.43	0.77
ALDER	2a	12412.5*	441.35	308.03	311.35	311.44	312.01	0.015132	7.42	79.59	70.54	0.90
ALDER	2a	12365	441.61	306.78	310.93		311.30	0.005961	5.58	111.90	85.86	0.59
ALDER	2a	12328.3*	441.79	306.71	310.67		311.07	0.006551	5.71	104.72	81.12	0.61
ALDER	2a	12291.6*	441.96	306.64	310.46		310.85	0.006072	5.46	105.15	77.96	0.59
ALDER	2a	12255	442.14	306.57	310.34		310.64	0.004690	4.86	124.33	112.33	0.52
ALDER	2a	12215.*	442.34	306.18	310.09		310.45	0.005488	5.20	109.53	101.72	0.56
ALDER	2a	12175.*	442.54	305.79	309.77		310.22	0.006530	5.55	94.31	80.64	0.61
ALDER	2a	12135	442.75	305.40	309.51		309.97	0.006581	5.56	88.88	68.91	0.61
ALDER	2a	12093.3*	442.96	305.11	309.23		309.71	0.007144	5.74	86.65	59.10	0.64
ALDER	2a	12051.6*	443.18	304.83	308.92		309.42	0.007513	5.85	86.57	60.20	0.65
ALDER	2a	12010	443.40	304.54	308.64		309.11	0.007171	5.75	90.47	65.38	0.63
ALDER	2a	11971.6*	443.60	304.27	308.30		308.83	0.008607	6.07	85.49	63.65	0.69
ALDER	2a	11933.3*	443.81	303.99	307.96	307.83	308.47	0.009567	6.12	89.65	77.11	0.72
ALDER	2a	11895	444.02	303.72	307.86		308.12	0.005309	4.68	127.49	98.87	0.54
ALDER	2a	11846.6*	444.23	303.61	307.62		307.87	0.005250	4.50	128.85	96.35	0.53
ALDER	2a	11798.3*	444.46	303.50	307.39		307.63	0.005321	4.35	130.12	96.31	0.53
ALDER	2a	11750	444.68	303.39	307.14		307.38	0.005973	4.37	127.87	96.96	0.56
ALDER	2a	11703.3*	444.91	303.15	306.73		307.08	0.008034	5.00	105.08	82.86	0.64
ALDER	2a	11656.6*	445.15	302.90	306.30		306.69	0.009060	5.14	97.29	74.99	0.68
ALDER	2a	11610	445.38	302.66	305.94		306.29	0.008131	4.90	100.01	75.34	0.65
ALDER	2a	11560.*	445.63	302.16	305.47		305.89	0.009033	5.22	88.05	66.17	0.68
ALDER	2a	11510.*	445.88	301.66	305.01		305.44	0.009126	5.31	84.32	49.43	0.69
ALDER	2a	11460.*	446.13	301.16	304.56		305.01	0.008987	5.35	83.40	43.96	0.68
ALDER	2a	11410.*	446.38	300.67	304.11		304.57	0.008920	5.43	82.16	41.86	0.68
ALDER	2a	11360.*	446.63	300.17	303.65		304.13	0.008940	5.57	80.17	39.32	0.69
ALDER	2a	11310.*	446.88	299.67	303.14		303.67	0.009452	5.82	76.80	36.68	0.71
ALDER	2a	11260	447.14	299.17	302.44		303.14	0.013185	6.73	66.42	32.62	0.83
ALDER	2a	11219.*	447.34	298.45	301.86		302.60	0.013620	6.94	64.50	30.99	0.85
ALDER	2a	11178.*	447.55	297.72	301.25		302.05	0.014263	7.17	62.38	29.37	0.87

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	11137.*	447.76	297.00	300.64		301.47	0.014352	7.31	61.28	27.99	0.87
ALDER	2a	11096.*	447.96	296.27	300.15		300.91	0.012287	7.00	64.01	27.32	0.81
ALDER	2a	11055	448.17	295.55	299.90		300.47	0.008274	6.09	73.62	27.75	0.66
ALDER	2a	11012.*	448.39	295.50	299.59		300.12	0.007961	5.87	76.37	30.45	0.65
ALDER	2a	10969.*	448.60	295.45	299.30		299.79	0.007568	5.60	80.05	33.64	0.64
ALDER	2a	10926.*	448.82	295.41	299.06		299.48	0.006864	5.25	85.57	38.24	0.61
ALDER	2a	10883.*	449.03	295.36	298.86		299.21	0.005575	4.77	94.75	44.27	0.55
ALDER	2a	10840	449.24	295.31	298.74		299.01	0.003807	4.18	110.00	51.01	0.47
ALDER	2a	10793.6*	449.47	295.05	298.54		298.83	0.004184	4.29	106.58	50.47	0.49
ALDER	2a	10747.3*	449.70	294.78	298.32		298.62	0.004668	4.43	102.96	49.99	0.51
ALDER	2a	10701.0*	449.93	294.52	298.07		298.39	0.005300	4.59	99.09	49.60	0.54
ALDER	2a	10654.7*	450.17	294.25	297.76		298.13	0.006301	4.85	93.33	48.21	0.58
ALDER	2a	10608.41	450.40	293.99	297.35		297.80	0.008425	5.36	84.10	41.90	0.67
ALDER	2a	10566.3*	450.61	293.60	296.94		297.45	0.009416	5.71	80.93	52.41	0.71
ALDER	2a	10524.2*	450.82	293.21	296.49		297.07	0.010415	6.19	79.03	56.06	0.75
ALDER	2a	10482.1*	451.03	292.83	295.98	295.88	296.68	0.012677	6.93	74.63	54.31	0.83
ALDER	2a	10440	451.24	292.44	295.20	295.52	296.41	0.025441	9.20	57.56	45.62	1.16
ALDER	2a	10391.6*	451.46	291.00	294.05	294.39	295.38	0.024468	9.55	53.57	35.79	1.15
ALDER	2a	10343.3*	451.66	289.56	293.00	293.22	294.28	0.019812	9.35	54.90	31.78	1.05
ALDER	2a	10295	451.52	288.12	292.27	292.10	293.23	0.011485	8.22	64.82	31.12	0.83
ALDER	2a	10247.1*	457.74	288.05	291.91		292.62	0.009331	6.97	73.68	36.75	0.74
ALDER	2a	10199.2*	457.98	287.98	291.66		292.19	0.007420	5.96	83.77	42.66	0.65
ALDER	2a	10151.4*	458.22	287.91	291.43		291.85	0.006370	5.30	92.42	48.66	0.60
ALDER	2a	10103.5*	458.46	287.85	291.20		291.56	0.005818	4.86	99.44	54.55	0.57
ALDER	2a	10055.7*	458.69	287.78	290.97		291.29	0.005585	4.55	104.74	60.06	0.55
ALDER	2a	10007.8*	458.93	287.71	290.70		291.01	0.006057	4.45	105.54	63.74	0.56
ALDER	2a	9960	459.14	287.64	290.26		290.64	0.009761	4.93	93.56	63.43	0.69
ALDER	2a	9915.*	459.60	287.01	289.85		290.23	0.008801	4.92	94.15	60.31	0.67
ALDER	2a	9870.*	459.84	286.38	289.55		289.89	0.006764	4.68	99.90	58.86	0.60
ALDER	2a	9825.*	459.85	285.74	289.35		289.63	0.004596	4.29	111.29	60.27	0.51
ALDER	2a	9780	460.41	285.11	289.24		289.46	0.002902	3.82	133.83	74.08	0.41
ALDER	2a	9732.5*	460.35	285.27	289.09		289.32	0.003108	4.09	138.16	72.01	0.43
ALDER	2a	9685	459.57	285.42	288.95		289.17	0.003118	4.27	140.51	62.75	0.44
ALDER	2a	9642.5*	458.83	285.02	288.85		289.04	0.002828	4.05	148.36	62.06	0.39
ALDER	2a	9600.	458.82	284.61	288.75		288.93	0.002514	3.89	156.94	63.06	0.36
ALDER	2	9557.5	721.05	284.21	288.15		288.66	0.008629	5.98	135.32	58.81	0.61
ALDER	2	9515.*	721.04	283.80	287.79		288.31	0.008807	5.95	133.15	58.27	0.61
ALDER	2	9472.5*	721.04	283.40	287.39		287.94	0.009581	6.03	128.77	57.91	0.63
ALDER	2	9430	721.03	282.99	286.83		287.50	0.013445	6.61	114.55	56.27	0.73
ALDER	2	9391.66*	721.26	282.38	286.37		287.03	0.012517	6.57	116.10	54.59	0.71
ALDER	2	9353.33*	721.49	281.77	285.99		286.60	0.010612	6.34	121.88	54.46	0.66
ALDER	2	9315	721.72	281.16	285.72		286.23	0.008106	5.91	133.18	55.51	0.59
ALDER	2	9271.25*	722.00	280.79	285.36		285.88	0.008284	5.88	133.29	57.40	0.59
ALDER	2	9227.5*	722.28	280.42	284.99		285.51	0.008719	5.91	132.26	59.79	0.61
ALDER	2	9183.75*	722.56	280.04	284.55		285.10	0.009947	6.08	128.27	63.57	0.64
ALDER	2	9140	722.82	279.67	284.01		284.65	0.012981	6.52	121.39	78.36	0.72
ALDER	2	9105.*	723.04	279.22	283.63		284.22	0.011500	6.21	127.46	81.24	0.68
ALDER	2	9070.*	723.25	278.76	283.43		283.87	0.008010	5.47	149.61	95.33	0.57
ALDER	2	9035	723.46	278.31	283.36		283.64	0.004540	4.46	196.30	111.72	0.44
ALDER	2	8996.25*	723.69	278.16	283.11		283.46	0.005417	4.91	167.32	76.98	0.48
ALDER	2	8957.5*	723.92	278.01	282.84		283.25	0.006232	5.29	156.02	70.55	0.52
ALDER	2	8918.75*	724.15	277.86	282.45		282.98	0.008577	6.06	136.41	64.93	0.60
ALDER	2	8880	724.38	277.71	281.81	281.67	282.72	0.016841	7.83	103.69	57.03	0.83
ALDER	2	8833.75*	724.65	277.36	281.16		281.95	0.015487	7.25	107.07	52.44	0.79
ALDER	2	8787.5*	724.92	277.01	280.54		281.23	0.014574	6.78	113.13	55.14	0.76
ALDER	2	8741.25*	725.19	276.66	279.95		280.57	0.014077	6.41	118.98	59.30	0.74
ALDER	2	8695	725.45	276.31	279.33		279.93	0.015507	6.33	119.85	63.57	0.77
ALDER	2	8645.*	725.77	275.29	278.58		279.20	0.015213	6.42	117.53	61.20	0.76
ALDER	2	8595.*	726.08	274.26	277.79		278.46	0.015661	6.62	113.02	58.45	0.78
ALDER	2	8545.*	726.38	273.23	277.13		277.76	0.013017	6.38	116.42	57.35	0.72
ALDER	2	8495	726.69	272.21	276.78		277.24	0.007434	5.46	141.75	80.03	0.56
ALDER	2	8450.*	726.97	271.92	276.43		276.89	0.007839	5.44	134.48	51.02	0.57
ALDER	2	8405.*	727.24	271.63	276.09		276.53	0.007902	5.32	136.76	51.55	0.57
ALDER	2	8360.*	727.52	271.35	275.77		276.19	0.007543	5.19	140.20	51.36	0.55
ALDER	2	8315.*	727.79	271.06	275.49		275.87	0.006725	4.97	146.30	52.37	0.52
ALDER	2	8270.*	727.99	270.77	275.26		275.59	0.005583	4.64	160.25	66.79	0.48
ALDER	2	8225	728.27	270.48	275.12		275.38	0.004156	4.14	185.27	74.46	0.42
ALDER	2	8179.28*	728.55	270.30	274.92		275.19	0.004399	4.22	181.99	75.01	0.43
ALDER	2	8133.57*	728.82	270.12	274.70		274.99	0.004681	4.31	178.42	75.89	0.44
ALDER	2	8087.85*	729.10	269.94	274.47		274.77	0.004984	4.41	174.40	76.90	0.45
ALDER	2	8042.14*	729.37	269.77	274.23		274.54	0.005168	4.52	170.45	75.70	0.46
ALDER	2	7996.42*	729.64	269.59	273.98		274.30	0.005377	4.65	166.17	74.59	0.47
ALDER	2	7950.71*	729.91	269.41	273.72		274.07	0.005612	4.78	162.68	77.90	0.49
ALDER	2	7905	730.17	269.23	273.46		273.82	0.005804	4.90	161.35	83.61	0.49
ALDER	2	7861.25*	730.41	268.93	273.22		273.58	0.005593	4.85	164.44	83.85	0.49

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	7817.5*	730.61	268.63	272.99		273.34	0.005515	4.83	166.18	83.52	0.48
ALDER	2	7773.75*	730.86	268.33	272.75		273.10	0.005591	4.85	166.37	82.88	0.49
ALDER	2	7730	731.12	268.03	272.49		272.85	0.005924	4.93	163.84	81.22	0.50
ALDER	2	7683.33*	731.39	267.77	272.12		272.55	0.007343	5.32	142.54	60.44	0.55
ALDER	2	7636.66*	731.65	267.51	271.78		272.22	0.007362	5.34	139.92	55.81	0.55
ALDER	2	7590	731.92	267.25	271.54		271.92	0.005730	4.94	150.77	55.03	0.49
ALDER	2	7545.*	732.18	266.83	271.24		271.65	0.006405	5.14	144.01	51.83	0.52
ALDER	2	7500.*	732.44	266.41	270.95		271.36	0.006400	5.16	142.89	49.73	0.52
ALDER	2	7455.*	732.70	265.99	270.72		271.10	0.005398	4.92	149.70	48.42	0.48
ALDER	2	7410	732.96	265.57	270.58		270.89	0.003880	4.46	165.02	47.65	0.41
ALDER	2	7368.75*	733.20	265.50	270.35		270.72	0.004836	4.87	152.13	46.99	0.46
ALDER	2	7327.5*	733.45	265.43	270.08		270.50	0.005859	5.26	141.78	46.41	0.50
ALDER	2	7286.25*	733.69	265.36	269.77		270.25	0.006645	5.57	135.21	46.24	0.54
ALDER	2	7245	733.93	265.29	269.50		269.99	0.006513	5.63	136.08	47.73	0.53
ALDER	2	7205.*	733.91	264.89	269.17		269.72	0.007652	6.06	129.76	48.45	0.58
ALDER	2	7165.*	733.90	264.49	268.83		269.42	0.008282	6.35	128.20	50.07	0.60
ALDER	2	7125	733.90	264.09	268.58		269.12	0.007285	6.21	137.69	53.59	0.57
ALDER	2	7085.*	733.88	264.08	268.48		268.84	0.005243	4.99	161.72	63.98	0.48
ALDER	2	7045.*	733.86	264.08	268.35		268.64	0.004598	4.37	177.36	73.73	0.44
ALDER	2	7005.*	733.84	264.08	268.20		268.46	0.004663	4.06	184.98	81.79	0.44
ALDER	2	6965	733.83	264.07	268.03		268.27	0.005520	4.00	183.82	85.57	0.46
ALDER	2	6922.5*	740.42	263.59	267.75		268.04	0.006059	4.29	172.65	72.15	0.49
ALDER	2	6880.*	740.42	263.11	267.46		267.78	0.006344	4.54	162.96	64.48	0.50
ALDER	2	6837.5*	740.42	262.63	267.16		267.52	0.006455	4.77	155.06	57.42	0.51
ALDER	2	6795	740.41	262.15	266.88		267.26	0.006217	4.92	150.36	51.24	0.51
ALDER	2	6752.5*	740.73	261.76	266.56		266.98	0.007260	5.16	143.42	51.27	0.54
ALDER	2	6710.*	741.05	261.36	266.21		266.66	0.008402	5.42	136.69	51.31	0.58
ALDER	2	6667.5*	741.37	260.97	265.81		266.32	0.009021	5.71	130.97	53.24	0.61
ALDER	2	6625	741.68	260.58	265.65		266.02	0.006063	5.08	169.65	81.74	0.51
ALDER	2	6586.25*	741.97	260.38	265.39		265.80	0.006490	5.30	161.23	80.92	0.53
ALDER	2	6547.5*	742.25	260.18	265.09		265.56	0.007229	5.60	150.27	80.13	0.55
ALDER	2	6508.75*	742.53	259.98	264.76		265.29	0.008221	5.93	139.20	74.84	0.59
ALDER	2	6470	742.81	259.78	264.49		264.99	0.007905	5.86	148.95	84.40	0.58
ALDER	2	6420.*	743.19	259.39	264.16		264.62	0.007153	5.58	153.03	81.05	0.55
ALDER	2	6370.*	743.54	258.99	263.91		264.30	0.005923	5.15	164.79	85.25	0.50
ALDER	2	6320	743.93	258.60	263.71		264.03	0.004584	4.66	182.65	91.46	0.45
ALDER	2	6275.*	744.26	258.80	263.53		263.83	0.004551	4.53	186.36	91.77	0.44
ALDER	2	6230.*	744.60	259.00	263.34		263.63	0.004658	4.44	188.61	92.63	0.45
ALDER	2	6185	744.93	259.20	263.14		263.43	0.004870	4.38	190.07	94.18	0.45
ALDER	2	6145.*	744.92	258.97	262.85		263.21	0.006499	4.87	163.61	74.71	0.52
ALDER	2	6105.*	744.92	258.75	262.52		262.94	0.008319	5.29	151.75	78.71	0.58
ALDER	2	6065	744.62	258.52	262.06		262.57	0.011536	5.87	142.46	100.74	0.67
ALDER	2	6021.25*	744.19	258.33	261.77		262.12	0.007823	4.82	168.43	116.67	0.55
ALDER	2	5977.5*	742.81	258.14	261.62		261.83	0.004517	3.79	212.64	132.56	0.43
ALDER	2	5933.75*	742.80	257.96	261.54		261.68	0.002487	2.97	274.19	152.64	0.32
ALDER	2	5890	741.77	257.77	261.51		261.59	0.001381	2.35	350.27	174.58	0.24
ALDER	2	5841.50*	1021.34	257.25	261.22		261.42	0.003462	3.60	298.39	147.92	0.38
ALDER	2	5793.01*	1021.34	256.72	261.02		261.24	0.003917	3.79	275.71	113.07	0.40
ALDER	2	5744.51*	1021.34	256.20	260.79		261.04	0.004492	4.00	260.49	109.84	0.43
ALDER	2	5696.02*	1021.33	255.67	260.53		260.81	0.005362	4.27	242.56	105.12	0.47
ALDER	2	5647.53	1021.33	255.15	260.19		260.53	0.007043	4.69	218.83	96.22	0.53
ALDER	2	5605.44*	1021.63	255.15	259.95		260.26	0.006769	4.50	228.36	105.03	0.52
ALDER	2	5563.35*	1021.94	255.15	259.69		259.98	0.006607	4.35	236.73	113.22	0.51
ALDER	2	5521.26*	1022.24	255.15	259.45		259.72	0.006349	4.19	246.37	121.67	0.50
ALDER	2	5479.17*	1022.54	255.15	259.24		259.48	0.005834	3.99	259.82	130.58	0.47
ALDER	2	5437.08*	1022.83	255.15	259.06		259.27	0.004984	3.71	285.77	164.66	0.44
ALDER	2	5395	1023.04	255.15	258.92		259.10	0.003961	3.37	323.93	183.35	0.39
ALDER	2	5351.42*	1023.08	254.95	258.75		258.93	0.004068	3.52	316.55	181.58	0.40
ALDER	2	5307.85*	1023.03	254.74	258.56		258.77	0.004276	3.71	306.82	171.67	0.41
ALDER	2	5264.28*	1023.03	254.54	258.36		258.59	0.004754	3.99	292.93	164.51	0.44
ALDER	2	5220.71*	1023.02	254.34	258.11		258.38	0.005691	4.42	274.51	160.74	0.48
ALDER	2	5177.14*	1023.01	254.14	257.74		258.11	0.008267	5.21	244.32	162.18	0.58
ALDER	2	5133.57*	1022.64	253.93	257.26	257.22	257.75	0.013434	6.30	231.30	212.47	0.73
ALDER	2	5090	1022.62	253.73	257.16		257.27	0.003609	3.44	412.40	224.90	0.38
ALDER	2	5048.33*	1059.55	253.54	256.62		257.05	0.012587	5.75	234.94	178.48	0.69
ALDER	2	5006.66*	1059.51	253.34	256.27		256.60	0.010192	4.86	258.31	197.11	0.61
ALDER	2	4965	1059.50	253.15	256.07		256.27	0.006494	3.82	328.84	253.41	0.49
ALDER	2	4922.5*	1059.88	252.85	255.81		256.03	0.006725	4.06	315.75	240.72	0.50
ALDER	2	4880.*	1060.26	252.55	255.52		255.78	0.007357	4.39	293.66	226.87	0.53
ALDER	2	4837.5*	1027.91	252.26	255.21		255.50	0.007584	4.57	270.09	185.26	0.54
ALDER	2	4795	1060.95	251.96	254.52	254.35	255.10	0.018501	6.45	194.82	269.76	0.82
ALDER	2	4758.33*	1090.15	251.55	254.18		254.43	0.009926	4.64	304.56	240.84	0.60
ALDER	2	4721.66*	1090.47	251.15	253.92		254.13	0.007693	4.20	325.54	229.82	0.53
ALDER	2	4685	1090.72	250.74	253.46		253.82	0.011314	5.04	235.97	224.14	0.64
ALDER	2	4639.*	1090.70	250.11	252.93		253.38	0.012920	5.42	213.20	168.17	0.69

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	4593.*	1090.49	249.48	252.48		252.88	0.010293	5.07	216.98	137.70	0.62
ALDER	2	4547.*	1090.47	248.86	252.23		252.51	0.005767	4.27	265.80	153.55	0.48
ALDER	2	4501.*	1090.13	248.23	252.17		252.33	0.002612	3.31	389.07	247.18	0.33
ALDER	2	4455	1090.13	247.60	252.15		252.22	0.001095	2.43	567.24	288.51	0.22
ALDER	2	4406.66*	1090.12	247.58	252.02		252.16	0.001851	3.14	398.99	165.82	0.29
ALDER	2	4358.33*	1090.12	247.55	251.84		252.06	0.002793	3.80	306.66	108.86	0.36
ALDER	2	4310	1090.11	247.53	251.55		251.89	0.004649	4.73	237.47	79.07	0.45
ALDER	2	4271.25*	1090.10	247.09	251.30		251.71	0.005332	5.18	221.98	75.92	0.49
ALDER	2	4232.5	1090.09	246.65	251.01		251.49	0.006214	5.71	209.04	74.09	0.53
ALDER	3	4193.75	1164.78	246.21	250.77		251.21	0.007859	6.77	235.47	78.82	0.60
ALDER	3	4155	1164.76	245.77	250.65		250.94	0.005002	5.48	283.33	86.86	0.47
ALDER	3	4118.33*	1164.64	245.51	250.38		250.76	0.006178	6.38	265.82	92.55	0.54
ALDER	3	4081.66*	1164.64	245.25	250.20		250.55	0.005043	6.02	274.29	87.32	0.49
ALDER	3	4045	1164.64	244.99	250.08		250.38	0.003954	5.57	301.31	93.91	0.44
ALDER	3	4002.5*	1165.41	244.99	249.91		250.21	0.003924	5.42	308.46	103.06	0.44
ALDER	3	3960.*	1166.17	244.99	249.75		250.05	0.004006	5.33	317.94	119.20	0.44
ALDER	3	3917.5*	1166.92	244.99	249.60		249.88	0.003811	5.06	343.11	163.61	0.43
ALDER	3	3875	1167.66	244.99	249.58		249.72	0.002181	3.80	481.49	209.57	0.32
ALDER	3	3827.5*	1168.28	244.99	249.45		249.61	0.002627	4.04	446.13	203.87	0.35
ALDER	3	3780.*	1169.12	244.99	249.30		249.48	0.003062	4.21	422.60	202.29	0.38
ALDER	3	3732.5*	1169.95	244.99	249.16		249.33	0.003045	4.07	430.36	204.46	0.37
ALDER	3	3685	1170.77	244.99	249.13		249.20	0.001457	2.78	615.57	253.68	0.26
ALDER	3	3635.83*	1174.96	244.75	248.94		249.12	0.002902	3.90	421.76	202.67	0.36
ALDER	3	3586.66*	1175.50	244.52	248.76		248.97	0.003149	4.04	364.05	163.53	0.38
ALDER	3	3537.5*	1176.33	244.28	248.62		248.83	0.002764	3.79	358.51	151.74	0.35
ALDER	3	3488.33*	1177.15	244.04	248.53		248.70	0.002147	3.39	380.72	140.90	0.31
ALDER	3	3439.16*	1177.96	243.81	248.47		248.60	0.001595	2.97	421.81	137.03	0.27
ALDER	3	3390	1178.77	243.57	248.43		248.53	0.001185	2.62	472.33	142.88	0.23
ALDER	3	3341.87*	1178.74	243.61	248.37		248.47	0.001274	2.67	463.84	144.36	0.24
ALDER	3	3293.75*	1178.70	243.64	248.30		248.41	0.001360	2.71	456.94	147.17	0.25
ALDER	3	3245.62*	1178.38	243.68	248.23		248.34	0.001441	2.75	456.32	170.51	0.26
ALDER	3	3197.5*	1178.37	243.71	248.16		248.28	0.001471	2.75	465.25	178.85	0.26
ALDER	3	3149.37*	1178.35	243.75	248.10		248.21	0.001457	2.72	479.85	184.28	0.26
ALDER	3	3101.25*	1178.33	243.79	248.04		248.14	0.001398	2.65	499.98	189.45	0.25
ALDER	3	3053.12*	1178.31	243.82	247.98		248.07	0.001300	2.55	525.23	194.49	0.24
ALDER	3	3005	1178.28	243.86	247.93		248.01	0.001172	2.42	556.36	199.50	0.23
ALDER	3	2962.5*	1178.26	243.87	247.85		247.96	0.001548	2.74	483.72	183.15	0.26
ALDER	3	2920.*	1178.24	243.88	247.74		247.88	0.002006	3.07	423.28	167.72	0.30
ALDER	3	2877.5*	1178.21	243.89	247.61		247.79	0.002616	3.42	370.15	152.36	0.34
ALDER	3	2835.*	1178.19	243.89	247.45		247.66	0.003377	3.78	328.78	130.41	0.38
ALDER	3	2792.5*	1178.17	243.90	247.22		247.50	0.004665	4.26	288.26	116.39	0.44
ALDER	3	2750	1178.15	243.91	246.83		247.23	0.007992	5.12	236.31	104.83	0.57
ALDER	3	2704.*	1179.26	243.45	246.44		246.86	0.008263	5.22	234.15	106.35	0.58
ALDER	3	2658.*	1179.22	242.99	246.04		246.47	0.008750	5.35	231.33	109.91	0.59
ALDER	3	2612.*	1179.21	242.53	245.61		246.06	0.009405	5.49	230.43	118.32	0.61
ALDER	3	2566.*	1179.21	242.07	245.25		245.66	0.008557	5.29	250.38	131.96	0.59
ALDER	3	2520	1179.19	241.61	245.07		245.33	0.005323	4.39	314.85	152.32	0.47
ALDER	3	2475.*	1179.78	241.12	244.81		245.09	0.005442	4.59	302.29	139.63	0.48
ALDER	3	2430.*	1180.37	240.63	244.53		244.85	0.005705	4.83	291.12	135.29	0.49
ALDER	3	2385.*	1180.96	240.13	244.23		244.59	0.006194	5.14	279.20	136.10	0.52
ALDER	3	2340.*	1181.53	239.64	243.92		244.32	0.006698	5.45	277.03	155.31	0.54
ALDER	3	2295	1182.03	239.15	243.63		244.02	0.006618	5.55	284.20	162.44	0.54
ALDER	3	2245.*	1182.69	239.15	243.47		243.73	0.004006	4.45	344.95	167.92	0.42
ALDER	3	2195.*	1183.35	239.14	243.40		243.55	0.002237	3.49	434.36	181.61	0.32
ALDER	3	2145	1184.00	239.14	243.37		243.46	0.001120	2.61	576.00	202.15	0.23
ALDER	3	2101.66*	1184.57	239.14	243.29		243.40	0.001602	3.05	508.18	186.38	0.27
ALDER	3	2058.33*	1185.14	239.14	243.18		243.32	0.002440	3.66	439.07	170.49	0.34
ALDER	3	2015	1185.72	239.14	242.98		243.19	0.004186	4.60	364.66	153.96	0.43
ALDER	3	1969.*	1186.31	238.77	242.73		242.99	0.004909	4.91	333.65	151.94	0.47
ALDER	3	1923.*	1186.90	238.39	242.42		242.76	0.005907	5.24	300.31	151.88	0.51
ALDER	3	1877.*	1187.49	238.02	242.08		242.47	0.006651	5.37	269.24	135.83	0.54
ALDER	3	1831.*	1188.03	237.64	241.73		242.15	0.007227	5.38	251.06	130.89	0.55
ALDER	3	1785	1188.63	237.27	241.37		241.80	0.007761	5.33	237.62	129.42	0.57
ALDER	3	1740.*	1188.62	236.84	241.03		241.46	0.007994	5.30	236.62	129.74	0.57
ALDER	3	1695.*	1188.61	236.41	240.69		241.11	0.007837	5.20	239.24	125.52	0.57
ALDER	3	1650.*	1188.59	235.98	240.39		240.77	0.006988	4.95	250.57	126.15	0.54
ALDER	3	1605.*	1188.57	235.55	240.18		240.49	0.005454	4.52	275.07	133.01	0.48
ALDER	3	1560	1188.54	235.12	240.04		240.28	0.003804	3.99	318.57	177.16	0.40
ALDER	3	1511.42*	1200.34	235.01	239.82		240.09	0.004090	4.18	307.11	132.49	0.42
ALDER	3	1462.85*	1200.30	234.90	239.61		239.89	0.004282	4.33	300.90	125.90	0.43
ALDER	3	1414.28*	1200.26	234.79	239.38		239.68	0.004566	4.50	292.77	120.06	0.45
ALDER	3	1365.71*	1200.20	234.69	239.13		239.45	0.004964	4.72	282.84	114.41	0.47
ALDER	3	1317.14*	1200.14	234.58	238.84		239.20	0.005605	5.01	269.59	108.66	0.49
ALDER	3	1268.57*	1199.87	234.47	238.49		238.91	0.006807	5.45	250.37	102.54	0.54
ALDER	3	1220	1200.16	234.36	237.91		238.50	0.011027	6.51	210.75	94.83	0.68

HEC-RAS Plan: EX2YR24H Profile: Max WS (Continued)

River	Reach	River Sta	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	1175.*	1199.86	233.55	237.32		237.98	0.012453	6.62	196.10	96.23	0.71
ALDER	3	1130.*	695.28	232.73	236.81		237.02	0.003957	3.63	195.72	91.50	0.40
ALDER	3	1085	672.72	231.92	236.75		236.87	0.001956	2.78	243.58	93.48	0.29
ALDER	3	1057.5*	638.06	231.36	236.69		236.81	0.001627	2.82	226.11	64.65	0.27
ALDER	3	1030	638.02	230.81	236.69	233.30	236.78	0.000922	2.36	270.55	65.10	0.20
ALDER	3	1000	Bridge									
ALDER	3	945	638.02	229.78	236.67		236.71	0.000395	1.63	390.50	88.83	0.14
ALDER	3	900	536.24	229.78	236.65	231.99	236.68	0.000283	1.38	388.83	88.64	0.12

Appendix C: Developed Conditions SacCalc

Sacramento Hydrologic Calculator Report

January 17, 2014 8:59

Project Title: Folsom
Method: Sacramento County HEC-1 method
Comments: Developed Folsom Plan Area 8-15-2013 Routing for AC Shed provided in HEC-RAS Model
Date: 8/15/2013
Prepared by: Mackay and Somps

Watershed Hydrologic Summary Data

Watershed	Area (acres)	Mean Elevation (ft)	Lag Times		Basin "n"		Loss Rates		Percent Impervious	
			Method	Lag Time (min)	Method	Basin "n"	Method	Loss Rate (in/hr)	Method	Impervious Area (%)
AC103	1042.4	350	Specified	50	-	-	Computed	-	Computed	-
AC105	357.01	500	Specified	35	-	-	Computed	-	Computed	-
AC102	348.4	320	Specified	45	-	-	Computed	-	Computed	-
AC98	18.9	315	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC99	7.5	320	Specified	10	-	-	Computed	-	Computed	-
AC101	19.7	340	Specified	20	-	-	Computed	-	Computed	-
AC100	25.4	340	Specified	20	-	-	Computed	-	Computed	-
CC32	81.14	610	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC24	24.92	670	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC87	3.19	647.21	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC82	106.01	676.73	Basin "n"	-	Computed	-	Computed	-	Computed	-
BC11	151.73	335	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC13	37.88	330	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC33	29.37	334.5	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC12	63.55	330	Basin "n"	-	Computed	-	Computed	-	Computed	-
BC18	47.44	350	Basin "n"	-	Computed	-	Computed	-	Computed	-
BC107	3.82	337.64	Basin "n"	-	Computed	-	Computed	-	Computed	-
CYC10	66.83	370	Basin "n"	-	Computed	-	Computed	-	Computed	-
CYC108	12.16	354.31	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC20	174.81	600	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC66	11.74	668.72	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC67	13.4	635.92	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC63	13.16	579.69	Basin "n"	-	Computed	-	Computed	-	Computed	-
CC77	33.54	586.69	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC21	130.26	520	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC106	6.16	575.95	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC64	2.99	563.91	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC68	3.06	564.41	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC65	5.2	546.93	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC45	3.67	498.05	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC60	9.66	454.81	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC92	7.66	428.08	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC93	244.66	472.94	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC08	8.36	390	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC57	19.57	380.52	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC07	105.19	430	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC22	178.21	420	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC95	23.57	411.29	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC94	23.51	407.41	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC96	24.46	413.08	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC19	91.1	380	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC05	83.39	380	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC85	16.56	356.76	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC48	6.01	342.75	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC70	5.48	368.85	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC62	2.81	355.41	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC47	14.74	403.16	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC36	158.17	430	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC46	10.53	457.65	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC83	2.46	433.4	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC28	39.32	470	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC69	11.16	458.68	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC06	116.87	650	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC59	29.03	560.85	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC58	18.44	560.15	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC17	72.35	550	Basin "n"	-	Computed	-	Computed	-	Computed	-

AC97	409.47	420.51	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC61	34.49	351.52	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC09	114.72	370	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC71	16.12	372.7	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC43	2.99	360.79	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC74	19.42	349.03	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC52	3.2	331.61	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC51	9.35	338.84	Basin "n"	-	Computed	-	Computed	-	Computed	-
CYC109	5.37	364.97	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC84	71.8	337.89	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC01	468.19	400	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC55	18.02	338	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC26	24.42	370	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC35	5.25	340.39	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC75	31.12	337.4	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC53	14.29	322.11	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC54	6.82	318.25	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC86	5.75	321.1	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC41	4	329.28	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC42	1.69	338.43	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC16	120.57	350	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC04	11.84	340	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC104	29.37	411.25	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC34	22.67	334.25	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC56	22.66	318.84	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC111	6.95	334.26	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC23	25.4	320	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC88	44.52	315.68	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC90	15.2	321.57	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC79	37.93	330.03	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC80	22.59	298.26	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC73	13.76	281.3	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC49	15.99	295.03	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC27	82.27	370	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC112	13.44	359.31	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC25	100.36	350	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC76	9.94	357.42	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC89	11.21	336.09	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC29	14.5	320	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC50	27.69	297.83	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC03	30.31	320	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC72	7.36	297.56	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC78	32.29	261.18	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC31	59.25	290	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC39	6.52	265.22	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC38	14.44	259.11	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC40	7.11	260.9	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC37	1.13	259.57	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC91	4.51	257.54	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC81	9.68	283.2	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC30	12.86	280	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC44	8.85	282.12	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC110	3	298.04	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC02	17.35	280	Basin "n"	-	Computed	-	Computed	-	Computed	-
AC14	17.02	320	Basin "n"	-	Computed	-	Computed	-	Computed	-

Basin "n" Method Data for Lag Time Computation

Watershed	Channel Length (ft)	Centroid Length (ft)	Slope (ft/ft)	Channelization	Land Use Impervious Area Percent (% or acres) 95	90	85	80	75	70	60	50	40	30	25	20	15	10	5	2	1	1*
AC98	600	500	.04	Undeveloped		0																
				Developed		18.9																
CC32	2809	1269	.05	Undeveloped		0					0		0		0					1.28		
				Developed		34.54					13.43		17.3		14.58					0		
CC24	1828	475	.085	Undeveloped		0					0		0		0					2.19		
				Developed		0.78					3.21		8.06		10.69					0		
CC87	496	244	.0876	Undeveloped																3.19		
				Developed																0		
CC82	3058	1258	.0412	Undeveloped		0														10.99	85.85	
				Developed		9.16														0	0	
BC11	5615	3102	0.011	Undeveloped		0		0		0	0		0		0	0	0			25.08		
				Developed		32		9.77		8.56	9.04		18.06		11.04	8.12	30.06			0		
AC13	1633	397	0.03	Undeveloped		0									0	0				15.26		
				Developed		3.4									18.2	1.03				0		
AC33	1592	1054	.026	Undeveloped											0		0			26.37		
				Developed											0.06		2.95			0		
AC12	3783	2404	0.016	Undeveloped		0									0	0	0			4.45		
				Developed		6.13									37.45	0.69	14.82			0		
BC18	3694	1610	0.011	Undeveloped		0							0		0	0						
				Developed		4.52							25.31		13.98	3.63						
BC107	647	375	.0108	Undeveloped		0														3.38		
				Developed		0.44														0		
CYC10	2725	2180	0.0175	Undeveloped		0						0	0			0				0.29		
				Developed		4.54						19.57	39.31			3.11				0		
CYC108	1581	854	0.0099	Undeveloped		0							0			0				11.73		
				Developed		0.24							0.1			0.1				0		
CC20	5694	1245	0.04	Undeveloped		0					0	0	0		0	0	0			0.89		
				Developed		22.48					11.14	4.48	5.66		124.24	0.22	5.7			0		
CC66	1418	907	.0612	Undeveloped							0									11.59		
				Developed							0.15									0		
CC67	2123	1020	.0657	Undeveloped							0									13.32		
				Developed							0.08									0		
CC63	1570	992	.0272	Undeveloped																13.15		
				Developed																0		
CC77	779	154	.0198	Undeveloped		0									0	0				31.84		
				Developed		0.18									0.01	1.51				0		
AC21	6297	4758	0.0310	Undeveloped		0					0	0	0		0	0	0			6.93		
				Developed		8.97					19.07	3.49	33.43		51.9	1.83	4.63			0		
AC106	870	388	0.0368	Undeveloped		0									0					6.13		
				Developed		0.02									0.01					0		
AC64	128	56	0.1036	Undeveloped																2.99		
				Developed																0		
AC68	339	107	0.2218	Undeveloped																3.06		
				Developed																0		
AC65	871	549	0.0529	Undeveloped																5.2		
				Developed																0		
AC45	936	468	0.0148	Undeveloped		0														3.59		
				Developed		0.08														0		
AC60	1854	873	0.0306	Undeveloped		0							0							9.16		
				Developed		0.49							0.01							0		
AC92	827	575	0.0203	Undeveloped																7.66		
				Developed																0		
AC93	8539	3928	0.0330	Undeveloped												0				244.66		
				Developed												0.82				0		
AC08	882	531	0.011	Undeveloped		0					0					0						
				Developed		0.24					7.83					0.28						
AC57	3648	1806	0.0095	Undeveloped		0		0			0									18.46		
				Developed		1.09		0.01			0.01									0		
AC07	4504	1205	0.02	Undeveloped		0					0		0			0				0.24		
				Developed		11.05					22.34		65.73			5.83				0		
AC22	5751	2572	0.015	Undeveloped		0		0		0	0	0	0			0	0			0.49		
				Developed		21.82		9.1		17.74	9.85	9.9	93.32			4.28	11.69			0		
AC95	1298	559	0.0328	Undeveloped																23.57		
				Developed																0		
AC94	1895	835	0.0257	Undeveloped																23.51		

				Developed															0		
AC96	1899	719	0.0426	Undeveloped															24.46		
				Developed															0		
AC19	3437	1801	0.012	Undeveloped		0				0		0				0			0.17		
				Developed		2.48				7.21		79.61				1.63			0		
AC05	3118	1201	0.014	Undeveloped		0					0	0	0			0	0		2.01		
				Developed		6.57					24.58	11.02	25.64			2.95	10.61		0		
AC85	2882	1031	0.0066	Undeveloped		0				0									16.43		
				Developed		0.12				0.01									0		
AC48	1157	573	0.0033	Undeveloped															6		
				Developed															0		
AC70	1237	674	0.0129	Undeveloped		0													5.32		
				Developed		0.16													0		
AC62	714	411	0.012	Undeveloped															2.81		
				Developed															0		
AC47	2854	1300	0.0181	Undeveloped		0					0		0						14.42		
				Developed		0.31					0.01		0.01						0		
AC36	5336	2013	0.017	Undeveloped		0		0			0	0	0				0		1.66		
				Developed		54.38		12.04			49.09	10.01	25.97				5.01		0		
AC46	2199	991	0.0298	Undeveloped															10.52		
				Developed															0		
AC83	648	313	0.0161	Undeveloped															2.46		
				Developed															0		
AC28	1791	787	0.022	Undeveloped		0							0				0		2.78		
				Developed		2.48							7.95				26.12		0		
AC69	1432	827	0.0272	Undeveloped		0					0		0						9.51		
				Developed		0.44					0.23		0.99						0		
AC06	4599	2683	0.078	Undeveloped		0					0	0			0				11.33		
				Developed		56.89					8.69	1.83			38.12				0		
AC59	2796	1347	0.0487	Undeveloped		0									0				28.97		
				Developed		0.03									0.03				0		
AC58	1253	713	0.0433	Undeveloped							0								18.43		
				Developed							0.01								0		
AC17	3987	2838	0.035	Undeveloped		0					0	0			0				6.6		
				Developed		1.27					10.35	3.33			50.79				0		
AC97	12339	6587	0.0151	Undeveloped															409.47		
				Developed															0		
AC61	2757	1037	0.0059	Undeveloped		0							0						33.36		
				Developed		1.11							0.01						0		
AC09	3967	1005	0.013	Undeveloped		0					0	0	0			0			5.44		
				Developed		6.98					24.68	28.78	44.77			4.08			0		
AC71	1446	730	0.0124	Undeveloped		0						0				0			15.31	0.63	
				Developed		0.13						0.05				0.01			0	0	
AC43	668	305	0.013	Undeveloped		0						0							2.71		
				Developed		0.01						0.27							0		
AC74	1288	362	0.0182	Undeveloped							0								19.41		
				Developed							0.01								0		
AC52	503	200	0.0084	Undeveloped															3.2		
				Developed															0		
AC51	1157	705	0.0028	Undeveloped															9.35		
				Developed															0		
CYC109	808	494	0.0097	Undeveloped		0						0							5.06	0.2	
				Developed		0.07						0.02							0	0	
AC84	4494	2115	0.0075	Undeveloped							0				0				71.73		
				Developed							0.01				0.06				0		
AC01	10898	3173	0.035	Undeveloped		0		0		0	0	0	0		0		0		36.88		
				Developed		291.1		20.03		22.17	26.11	0.02	35.18		35.55		1.15		0		
AC55	1358	759	0.0143	Undeveloped											0				18.02		
				Developed											0.01				0		
AC26	1602	498	0.012	Undeveloped							0				0				2.14		
				Developed							13.04				9.24				0		
AC35	721	315	0.0053	Undeveloped															5.25		
				Developed															0		
AC75	1628	853	0.0223	Undeveloped											0				31.09		
				Developed											0.03				0		
AC53	369	219	0.0106	Undeveloped															14.29		
				Developed															0		
AC54	629	388	0.0306	Undeveloped															6.82		
				Developed															0		
AC86	916	473	0.0163	Undeveloped															5.75		

				Developed															0		
AC41	865	389	0.0137	Undeveloped		0					0								3.97		
				Developed		0.01					0.01								0		
AC42	384	200	0.0134	Undeveloped															1.69		
				Developed															0		
AC16	5256	2482	0.011	Undeveloped		0				0	0	0	0				0		3.58		
				Developed		65.71				12.82	10.58	1.23	24.38				2.26		0		
AC04	1314	614	0.011	Undeveloped																	

View HEC-1 output

Sacramento method results
(Project: Folsom)
(200-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
CC24	70.	12:08	.04			
CC87	9.4	12:07	.00			
C24C87	79.	12:08	.04			
COMBB4	66.	12:13	.04		1.3	
CC32	193.	12:12	.13			
COMBB3	94.	12:33	.13		10.	
CC82	157.	12:29	.17			
C32C82	251.	12:30	.29			
BC11	204.	12:34	.24			
COMBB2	129.	13:01	.24		14.	
AC13	88.	12:12	.06			
COMBB1	57.	12:23	.06		3.2	
AC33	49.	12:23	.05			
AC12	97.	12:27	.10			
HMB14	69.	12:44	.10		5.7	
A12A33	102.	12:36	.15			
DBB1	71.	13:08	.15	316.	4.3	.02
BC107	8.6	12:13	.01			
BC18	81.	12:23	.07			
HMB15	47.	12:48	.07		10.	
B18B07	50.	12:48	.08			
DBB4	23.	14:17	.08	338.	1.9	.02
CYC10	124.	12:19	.10			
CYC108	19.	12:26	.02			
CYC109	11.	12:17	.01			
R108	10.	12:26	.01			
CY10C8	150.	12:20	.13			
COMBB5	103.	12:36	.13		7.5	
CC77	88.	12:09	.05			
CC66	22.	12:19	.02			
CC67	23.	12:22	.02			
C66C67	45.	12:20	.04			
R63	45.	12:24	.04			
CC63	22.	12:23	.02			
CC20	323.	12:20	.27			

HMB27	323.	12:20	.27	4.3	
C20C66	386.	12:21	.33		
DBB11	172.	12:54	.33	19.	
JDBB12	192.	12:40	.39		
AC98	72.	12:03	.03		
AC99	23.	12:06	.01		
AC101	43.	12:14	.03		
O92DET	24.	12:32	.03	1.1	
AC100	55.	12:14	.04		
O93DET	21.	12:47	.04	1.7	
AC110	9.8	12:05	.00		
OFF9J	123.	12:04	.12		
AC78	60.	12:19	.05		
AC38	21.	12:28	.02		
AC39	8.2	12:36	.01		
AC72	15.	12:16	.01		
AC14	38.	12:13	.03		
HMB9	27.	12:22	.03	1.4	
R72	27.	12:25	.03		
A14A72	39.	12:23	.04		
R39	39.	12:27	.04		
A14A39	46.	12:27	.05		
AC03	66.	12:14	.05		
HMB3	70.	12:10	.05	2.0	
AC02	50.	12:08	.03		
HMB2	59.	12:04	.03	2.0	
AC103	1310.	12:39	1.63		
OF8DET	975.	13:00	1.63	26.	.00
AC90	18.	12:39	.02		
AC79	65.	12:22	.06		
AC74	39.	12:16	.03		
AC52	8.0	12:10	.01		
AC71	27.	12:23	.03		
AC43	7.0	12:12	.00		
A43A71	31.	12:22	.03		
AC97	277.	13:40	.64		
AC61	44.	12:37	.05		
A61A97	294.	13:38	.69		
AC48	9.5	12:25	.01		
AC57	22.	12:44	.03		
AC60	16.	12:22	.02		

AC64	12.	12:02	.00			
AC106	14.	12:12	.01			
R65	14.	12:15	.01			
AC68	11.	12:03	.00			
AC65	12.	12:13	.01			
AC45	7.4	12:16	.01			
JAC45	42.	12:13	.03			
RAC60	42.	12:18	.03			
AC21	177.	12:35	.20			
HMB24	155.	12:45	.20		9.3	
JAC21	183.	12:43	.25			
AC92	16.	12:16	.01			
AC93	220.	13:05	.38			
A92A93	380.	12:54	.65			
AC07	205.	12:18	.16			
HMB22	212.	12:19	.16		8.9	
A07A57	470.	12:53	.81			
AC22	284.	12:26	.28			
HMB20	284.	12:26	.28		5.3	
AC08	25.	12:07	.01			
HMB21	19.	12:13	.01		.7	
AC94	39.	12:24	.04			
AC96	43.	12:20	.04			
A94A96	81.	12:22	.07			
R57	81.	12:23	.07			
A22A08	824.	12:24	1.21			
AC85	21.	12:37	.03			
AC70	9.6	12:21	.01			
AC47	20.	12:34	.02			
AC46	17.	12:26	.02			
AC83	5.7	12:12	.00			
AC69	21.	12:19	.02			
AC58	36.	12:17	.03			
AC17	114.	12:27	.11			
HMB26	78.	12:46	.11		6.9	
DBB10	73.	12:55	.11	497.	1.6	.04
A17A58	86.	12:54	.14			
AC59	43.	12:29	.05			
AC06	218.	12:20	.18			
HMB25	218.	12:20	.18		4.1	
DBB9	165.	12:32	.18		6.1	

A59A06	208.	12:31	.23	
AC28	95.	12:11	.06	
HMB23	95.	12:11	.06	9.4
A46A83	347.	12:28	.47	
AC36	287.	12:21	.25	
HMB19	287.	12:21	.25	7.1
A36A47	634.	12:22	.74	
A05A70	644.	12:22	.75	
AC62	5.9	12:15	.00	
AC95	46.	12:17	.04	
R22A	46.	12:19	.04	
A62A70	1529.	12:23	2.02	
AC19	167.	12:20	.14	
HMB17	174.	12:18	.14	8.7
A15A19	1703.	12:22	2.17	
AC51	14.	12:28	.01	
AC05	168.	12:17	.13	
HMB18	190.	12:14	.13	6.9
A51A05	1866.	12:22	2.32	
AC09	222.	12:18	.18	
HMB16	68.	0:00	.18	19.
A09A74	2135.	12:22	3.26	
AC84	71.	12:54	.11	
AC75	52.	12:23	.05	
AC53	38.	12:09	.02	
AC54	16.	12:11	.01	
AC55	30.	12:23	.03	
AC86	12.	12:16	.01	
AC41	8.4	12:15	.01	
AC105	568.	12:27	.56	
OF6DET	317.	12:57	.56	18.
AC42	4.6	12:08	.00	
AC104	54.	12:20	.05	
A42A04	341.	12:51	.61	
A42A41	344.	12:50	.61	
AC01	708.	12:29	.73	
HMB8	793.	12:29	.73	48.
AC04	26.	12:14	.02	
HMB7	21.	12:21	.02	.8
A86A01	1159.	12:29	1.40	
AC35	11.	12:15	.01	

AC26	60.	12:11	.04			
HMB13	88.	12:10	.04		2.0	
R35	59.	12:15	.04			
A35A26	70.	12:15	.05			
DBB3	17.	13:15	.05	337.	2.6	.01
A84A75	3332.	12:29	4.90			
AC111	16.	12:12	.01			
AC88	73.	12:24	.07			
AC16	202.	12:24	.19			
HMB6	202.	12:24	.19		6.3	
A16A88	3597.	12:29	5.17			
AC80	32.	12:32	.04			
AC81	21.	12:15	.02			
AC23	39.	12:28	.04			
HMB5	39.	12:28	.04		2.0	
A80A23	4460.	12:29	6.97			
AC73	27.	12:17	.02			
AC49	29.	12:20	.02			
AC56	46.	12:16	.04			
AC89	27.	12:11	.02			
AC76	16.	12:23	.02			
AC112	26.	12:17	.02			
R76	25.	12:24	.02			
A76A12	42.	12:24	.04			
R89	42.	12:26	.04			
A89A76	57.	12:24	.05			
R56A	57.	12:27	.05			
AC34	42.	12:19	.04			
AC27	136.	12:24	.13			
HMB12	136.	12:24	.13		4.3	
R34	136.	12:28	.13			
A34A27	171.	12:26	.16			
DBB2	80.	13:00	.16	316.	9.8	.08
R56B	80.	13:03	.16			
A56A34	119.	12:54	.25			
R49	119.	12:57	.25			
AC29	30.	12:15	.02			
HMB11	24.	12:23	.02		1.1	
R49B	24.	12:26	.02			
A49A56	168.	12:22	.30			
AC40	9.8	12:31	.01			

AC50	42.	12:27	.04			
AC25	138.	12:32	.16			
HMB10	151.	12:27	.16		6.6	
R50	139.	12:36	.16			
A25A50	176.	12:34	.20			
AC102	462.	12:35	.54			
OF9DET	210.	13:22	.54	279.	27.	.00
AC37	2.4	12:14	.00			
AC91	6.2	12:31	.01			
AC44	13.	12:30	.01			
AC30	37.	12:08	.02			
HMB4	23.	12:17	.02		1.7	
A81A44	224.	13:21	.59			
A40A91	4895.	12:29	8.09			
A39A38	5020.	12:29	8.23			
AC31	108.	12:20	.09			
HMB1	108.	12:20	.09		2.6	
ALDER	5227.	12:29	8.49			

(100-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
CC24	64.	12:07	.04			
CC87	8.3	12:07	.00			
C24C87	72.	12:07	.04			
COMBB4	59.	12:12	.04		1.2	
CC32	178.	12:11	.13			
COMBB3	83.	12:33	.13		9.6	
CC82	141.	12:29	.17			
C32C82	223.	12:30	.29			
BC11	187.	12:33	.24			
COMBB2	118.	12:59	.24		13.	
AC13	79.	12:11	.06			
COMBB1	49.	12:24	.06		3.1	
AC33	44.	12:23	.05			
AC12	89.	12:26	.10			
HMB14	61.	12:44	.10		5.5	
A12A33	91.	12:36	.15			
DBB1	56.	13:16	.15	315.	4.1	.02
BC107	7.7	12:13	.01			
BC18	75.	12:21	.07			

HMB15	26.	13:05	.07		9.8	
B18B07	27.	13:01	.08			
DBB4	22.	14:08	.08	338.	1.5	.02
CYC10	116.	12:18	.10			
CYC108	17.	12:26	.02			
CYC109	9.4	12:17	.01			
R108	9.3	12:26	.01			
CY10C8	137.	12:19	.13			
COMBB5	91.	12:36	.13		7.2	
CC77	79.	12:09	.05			
CC66	20.	12:19	.02			
CC67	21.	12:22	.02			
C66C67	40.	12:20	.04			
R63	40.	12:25	.04			
CC63	20.	12:23	.02			
CC20	300.	12:18	.27			
HMB27	300.	12:18	.27		4.3	
C20C66	354.	12:19	.33			
DBB11	156.	12:52	.33		18.	
JDBB12	176.	12:39	.39			
AC98	65.	12:03	.03			
AC99	21.	12:06	.01			
AC101	38.	12:14	.03			
O92DET	21.	12:34	.03		1.0	
AC100	49.	12:14	.04			
O93DET	20.	12:45	.04		1.5	
AC110	8.9	12:05	.00			
OFF9J	110.	12:04	.12			
AC78	55.	12:19	.05			
AC38	19.	12:28	.02			
AC39	7.3	12:36	.01			
AC72	13.	12:16	.01			
AC14	34.	12:12	.03			
HMB9	23.	12:23	.03		1.3	
R72	23.	12:26	.03			
A14A72	33.	12:24	.04			
R39	33.	12:28	.04			
A14A39	39.	12:29	.05			
AC03	60.	12:13	.05			
HMB3	69.	12:11	.05		2.0	
AC02	46.	12:07	.03			

HMB2	63.	12:05	.03	2.0	
AC103	1175.	12:39	1.63		
OF8DET	909.	12:58	1.63	22.	.00
AC90	17.	12:39	.02		
AC79	58.	12:22	.06		
AC74	35.	12:16	.03		
AC52	7.1	12:10	.01		
AC71	24.	12:23	.03		
AC43	6.2	12:12	.00		
A43A71	28.	12:22	.03		
AC97	248.	13:40	.64		
AC61	39.	12:37	.05		
A61A97	263.	13:38	.69		
AC48	8.5	12:25	.01		
AC57	20.	12:44	.03		
AC60	15.	12:22	.02		
AC64	11.	12:02	.00		
AC106	13.	12:12	.01		
R65	13.	12:15	.01		
AC68	10.	12:03	.00		
AC65	10.	12:13	.01		
AC45	6.6	12:16	.01		
JAC45	38.	12:13	.03		
RAC60	38.	12:18	.03		
AC21	165.	12:32	.20		
HMB24	140.	12:44	.20	9.1	
JAC21	166.	12:42	.25		
AC92	14.	12:16	.01		
AC93	197.	13:05	.38		
A92A93	339.	12:53	.65		
AC07	191.	12:16	.16		
HMB22	189.	12:20	.16	8.9	
A07A57	427.	12:51	.81		
AC22	264.	12:24	.28		
HMB20	264.	12:24	.28	5.3	
AC08	23.	12:06	.01		
HMB21	17.	12:13	.01	.7	
AC94	34.	12:24	.04		
AC96	39.	12:20	.04		
A94A96	73.	12:22	.07		
R57	73.	12:23	.07		

A22A08	755.	12:22	1.21			
AC85	19.	12:37	.03			
AC70	8.6	12:21	.01			
AC47	18.	12:34	.02			
AC46	15.	12:26	.02			
AC83	5.1	12:12	.00			
AC69	18.	12:19	.02			
AC58	32.	12:17	.03			
AC17	106.	12:25	.11			
HMB26	62.	12:50	.11		6.7	
DBB10	59.	13:06	.11	497.	1.5	.04
A17A58	68.	13:05	.14			
AC59	39.	12:29	.05			
AC06	202.	12:19	.18			
HMB25	202.	12:19	.18		4.1	
DBB9	141.	12:33	.18		5.8	
A59A06	178.	12:31	.23			
AC28	86.	12:11	.06			
HMB23	86.	12:11	.06		9.4	
A46A83	308.	12:26	.47			
AC36	267.	12:19	.25			
HMB19	267.	12:19	.25		7.1	
A36A47	580.	12:21	.74			
A05A70	589.	12:21	.75			
AC62	5.3	12:15	.00			
AC95	41.	12:17	.04			
R22A	41.	12:19	.04			
A62A70	1401.	12:20	2.02			
AC19	155.	12:18	.14			
HMB17	161.	12:19	.14		8.7	
A15A19	1560.	12:20	2.17			
AC51	12.	12:28	.01			
AC05	155.	12:15	.13			
HMB18	176.	12:15	.13		6.9	
A51A05	1711.	12:20	2.32			
AC09	206.	12:17	.18			
HMB16	68.	0:00	.18		19.	
A09A74	1952.	12:20	3.26			
AC84	63.	12:54	.11			
AC75	46.	12:23	.05			
AC53	33.	12:09	.02			

AC54	14.	12:11	.01			
AC55	27.	12:23	.03			
AC86	10.	12:16	.01			
AC41	7.4	12:15	.01			
AC105	509.	12:27	.56			
OF6DET	291.	12:56	.56		15.	.00
AC42	4.1	12:08	.00			
AC104	50.	12:19	.05			
A42A04	313.	12:50	.61			
A42A41	316.	12:49	.61			
AC01	657.	12:27	.73			
HMB8	669.	12:30	.73		48.	
AC04	24.	12:13	.02			
HMB7	19.	12:20	.02		.8	
A86A01	1005.	12:30	1.40			
AC35	9.6	12:15	.01			
AC26	55.	12:10	.04			
HMB13	75.	12:11	.04		2.0	
R35	52.	12:16	.04			
A35A26	61.	12:16	.05			
DBB3	16.	13:13	.05	337.	2.3	.01
A84A75	2925.	12:30	4.90			
AC111	14.	12:12	.01			
AC88	65.	12:23	.07			
AC16	188.	12:22	.19			
HMB6	188.	12:22	.19		6.3	
A16A88	3154.	12:30	5.17			
AC80	29.	12:32	.04			
AC81	19.	12:14	.02			
AC23	36.	12:26	.04			
HMB5	36.	12:27	.04		2.0	
A80A23	3963.	12:30	6.97			
AC73	24.	12:17	.02			
AC49	26.	12:20	.02			
AC56	41.	12:15	.04			
AC89	24.	12:11	.02			
AC76	15.	12:23	.02			
AC112	23.	12:17	.02			
R76	23.	12:24	.02			
A76A12	37.	12:24	.04			
R89	37.	12:26	.04			

A89A76	51.	12:24	.05			
R56A	51.	12:27	.05			
AC34	38.	12:18	.04			
AC27	127.	12:22	.13			
HMB12	127.	12:22	.13		4.3	
R34	127.	12:26	.13			
A34A27	159.	12:24	.16			
DBB2	64.	13:04	.16	316.	9.3	.08
R56B	64.	13:07	.16			
A56A34	104.	12:23	.25			
R49	104.	12:22	.25			
AC29	28.	12:14	.02			
HMB11	22.	12:22	.02		1.1	
R49B	22.	12:26	.02			
A49A56	150.	12:23	.30			
AC40	8.8	12:31	.01			
AC50	37.	12:27	.04			
AC25	126.	12:30	.16			
HMB10	136.	12:29	.16		6.6	
R50	128.	12:34	.16			
A25A50	162.	12:34	.20			
AC102	414.	12:35	.54			
OF9DET	161.	13:38	.54	278.	26.	
AC37	2.1	12:14	.00			
AC91	5.5	12:31	.01			
AC44	12.	12:29	.01			
AC30	34.	12:07	.02			
HMB4	20.	12:17	.02		1.7	
A81A44	172.	13:36	.59			
A40A91	4360.	12:30	8.09			
A39A38	4468.	12:30	8.23			
AC31	100.	12:19	.09			
HMB1	100.	12:19	.09		2.6	
ALDER	4648.	12:30	8.49			

View HEC-1 output

Sacramento method results
(Project: Folsom)
(10-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
CC24	37.	12:06	.04			
CC87	4.3	12:07	.00			
C24C87	41.	12:06	.04			
COMBB4	28.	12:13	.04		1.0	
CC32	107.	12:08	.13			
COMBB3	42.	12:36	.13		7.5	
CC82	77.	12:29	.17			
C32C82	118.	12:29	.29			
BC11	110.	12:29	.24			
COMBB2	72.	12:56	.24		10.	
AC13	43.	12:10	.06			
COMBB1	17.	12:37	.06		2.3	
AC33	23.	12:23	.05			
AC12	52.	12:21	.10			
HMB14	26.	12:58	.10		4.3	
A12A33	40.	12:29	.15			
DBB1	28.	13:39	.15	313.	1.5	
BC107	4.0	12:12	.01			
BC18	46.	12:15	.07			
HMB15	5.2	15:14	.07		6.0	
B18B07	5.6	15:04	.08			
DBB4	5.5	15:22	.08	336.	.3	
CYC10	71.	12:13	.10			
CYC108	9.0	12:26	.02			
CYC109	4.9	12:17	.01			
R108	4.9	12:28	.01			
CY10C8	79.	12:14	.13			
COMBB5	45.	12:39	.13		5.7	
CC77	41.	12:09	.05			
CC66	11.	12:18	.02			
CC67	11.	12:22	.02			
C66C67	21.	12:20	.04			
R63	21.	12:25	.04			
CC63	11.	12:23	.02			
CC20	183.	12:14	.27			

HMB27	183.	12:14	.27	4.3
C20C66	206.	12:14	.33	
DBB11	91.	12:55	.33	11.
JDBB12	104.	12:44	.39	
AC98	35.	12:02	.03	
AC99	11.	12:06	.01	
AC101	21.	12:14	.03	
O92DET	11.	12:40	.03	.6
AC100	26.	12:14	.04	
O93DET	14.	12:38	.04	.7
AC110	4.8	12:04	.00	
OFF9J	61.	12:03	.12	
AC78	30.	12:17	.05	
AC38	9.7	12:28	.02	
AC39	3.8	12:36	.01	
AC72	6.7	12:16	.01	
AC14	19.	12:10	.03	
HMB9	7.0	12:39	.03	1.0
R72	7.0	12:43	.03	
A14A72	11.	12:22	.04	
R39	11.	12:27	.04	
A14A39	14.	12:39	.05	
AC03	34.	12:11	.05	
HMB3	27.	12:24	.05	2.0
AC02	26.	12:05	.03	
HMB2	7.7	12:36	.03	2.0
AC103	660.	12:39	1.63	
OF8DET	577.	12:53	1.63	8.9
AC90	9.0	12:39	.02	
AC79	32.	12:21	.06	
AC74	18.	12:16	.03	
AC52	3.6	12:10	.01	
AC71	13.	12:23	.03	
AC43	3.3	12:11	.00	
A43A71	15.	12:22	.03	
AC97	145.	13:42	.64	
AC61	21.	12:37	.05	
A61A97	155.	13:38	.69	
AC48	4.5	12:25	.01	
AC57	11.	12:44	.03	
AC60	7.8	12:22	.02	

AC64	5.4	12:02	.00			
AC106	6.6	12:12	.01			
R65	6.6	12:15	.01			
AC68	5.1	12:03	.00			
AC65	5.4	12:13	.01			
AC45	3.5	12:16	.01			
JAC45	20.	12:13	.03			
RAC60	20.	12:19	.03			
AC21	102.	12:25	.20			
HMB24	69.	12:49	.20		7.8	
JAC21	83.	12:41	.25			
AC92	7.3	12:16	.01			
AC93	112.	13:06	.38			
A92A93	192.	13:01	.65			
AC07	116.	12:12	.16			
HMB22	63.	12:31	.16		7.9	
A07A57	246.	12:56	.81			
AC22	163.	12:19	.28			
HMB20	163.	12:19	.28		5.2	
AC08	13.	12:04	.01			
HMB21	8.8	12:11	.01		.6	
AC94	18.	12:24	.04			
AC96	20.	12:20	.04			
A94A96	38.	12:22	.07			
R57	38.	12:23	.07			
A22A08	413.	12:22	1.21			
AC85	10.	12:37	.03			
AC70	4.6	12:21	.01			
AC47	9.6	12:34	.02			
AC46	7.9	12:26	.02			
AC83	2.6	12:12	.00			
AC69	9.9	12:19	.02			
AC58	17.	12:17	.03			
AC17	64.	12:20	.11			
HMB26	34.	12:52	.11		5.1	
DBB10	31.	13:21	.11	494.	.6	.00
A17A58	37.	13:09	.14			
AC59	21.	12:29	.05			
AC06	121.	12:15	.18			
HMB25	121.	12:15	.18		4.1	
DBB9	108.	0:00	.18		4.9	

A59A06	108.	0:00	.23		
AC28	46.	12:10	.06		
HMB23	2.9	18:05	.06	5.0	
A46A83	151.	12:29	.47		
AC36	163.	12:15	.25		
HMB19	163.	12:15	.25	7.0	
A36A47	299.	12:17	.74		
A05A70	304.	12:17	.75		
AC62	2.7	12:15	.00		
AC95	22.	12:17	.04		
R22A	22.	12:19	.04		
A62A70	742.	12:20	2.02		
AC19	95.	12:14	.14		
HMB17	42.	12:46	.14	8.0	
A15A19	778.	12:21	2.17		
AC51	6.7	12:28	.01		
AC05	92.	12:12	.13		
HMB18	45.	12:35	.13	6.5	
A51A05	825.	12:21	2.32		
AC09	123.	12:13	.18		
HMB16	39.	13:10	.18	11.	
A09A74	969.	12:22	3.26		
AC84	35.	12:55	.11		
AC75	24.	12:23	.05		
AC53	17.	12:09	.02		
AC54	7.5	12:11	.01		
AC55	14.	12:22	.03		
AC86	5.4	12:16	.01		
AC41	3.9	12:15	.01		
AC105	282.	12:27	.56		
OF6DET	190.	12:53	.56	7.5	.00
AC42	2.1	12:08	.00		
AC104	31.	12:14	.05		
A42A04	204.	12:50	.61		
A42A41	205.	12:49	.61		
AC01	404.	12:22	.73		
HMB8	217.	12:57	.73	43.	
AC04	14.	12:10	.02		
HMB7	7.1	12:28	.02	.7	
A86A01	437.	12:52	1.40		
AC35	5.0	12:15	.01		

AC26	32.	12:08	.04		
HMB13	14.	12:27	.04		1.9
R35	14.	12:32	.04		
A35A26	17.	12:29	.05		
DBB3	9.1	13:43	.05	337.	1.2
A84A75	1402.	12:29	4.90		
AC111	7.4	12:12	.01		
AC88	34.	12:23	.07		
AC16	116.	12:17	.19		
HMB6	116.	12:17	.19		6.3
A16A88	1535.	12:24	5.17		
AC80	16.	12:30	.04		
AC81	11.	12:12	.02		
AC23	22.	12:21	.04		
HMB5	13.	12:49	.04		1.9
A80A23	2090.	12:41	6.97		
AC73	12.	12:17	.02		
AC49	14.	12:20	.02		
AC56	21.	12:15	.04		
AC89	13.	12:11	.02		
AC76	7.7	12:23	.02		
AC112	12.	12:17	.02		
R76	12.	12:26	.02		
A76A12	20.	12:25	.04		
R89	20.	12:27	.04		
A89A76	27.	12:26	.05		
R56A	26.	12:29	.05		
AC34	20.	12:18	.04		
AC27	78.	12:16	.13		
HMB12	78.	12:16	.13		4.3
R34	78.	12:22	.13		
A34A27	97.	12:20	.16		
DBB2	23.	13:47	.16	314.	5.3
R56B	23.	13:52	.16		
A56A34	58.	12:28	.25		
R49	58.	12:32	.25		
AC29	17.	12:10	.02		
HMB11	8.1	12:30	.02		.9
R49B	8.1	12:34	.02		
A49A56	76.	12:30	.30		
AC40	4.6	12:31	.01		

AC50	20.	12:27	.04			
AC25	72.	12:26	.16			
HMB10	42.	12:58	.16		5.9	
R50	42.	13:04	.16			
A25A50	53.	12:58	.20			
AC102	229.	12:35	.54			
OF9DET	105.	13:43	.54	275.	13.	.00
AC37	1.1	12:14	.00			
AC91	2.9	12:31	.01			
AC44	6.4	12:28	.01			
AC30	19.	12:06	.02			
HMB4	6.0	12:35	.02		1.4	
A81A44	114.	13:27	.59			
A40A91	2322.	12:42	8.09			
A39A38	2365.	12:41	8.23			
AC31	59.	12:15	.09			
HMB1	59.	12:15	.09		2.6	
ALDER	2451.	12:36	8.49			

(2-year, 1-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
CC24	16.	12:05	.04			
CC87	1.9	12:07	.00			
C24C87	18.	12:06	.04			
COMBB4	15.	12:10	.04		.8	
CC32	49.	12:08	.13			
COMBB3	17.	13:13	.13		5.6	
CC82	35.	12:28	.17			
C32C82	49.	12:29	.29			
BC11	52.	12:28	.24			
COMBB2	28.	13:38	.24		7.9	
AC13	18.	12:10	.06			
COMBB1	4.1	13:21	.06		1.5	
AC33	10.	12:22	.05			
AC12	24.	12:21	.10			
HMB14	7.9	13:46	.10		3.1	
A12A33	13.	13:17	.15			
DBB1	13.	13:25	.15	311.	.2	
BC107	1.8	12:12	.01			
BC18	21.	12:15	.07			

HMB15	1.5	16:08	.07		3.6		
B18B07	2.6	12:13	.08				
DBB4	1.9	13:14	.08	336.	.1		
CYC10	32.	12:13	.10				
CYC108	4.1	12:26	.02				
CYC109	2.2	12:17	.01				
R108	2.2	12:30	.01				
CY10C8	36.	12:13	.13				
COMBB5	16.	13:19	.13		4.3		
CC77	18.	12:09	.05				
CC66	4.7	12:18	.02				
CC67	5.0	12:22	.02				
C66C67	9.6	12:20	.04				
R63	9.6	12:26	.04				
CC63	4.7	12:23	.02				
CC20	84.	12:14	.27				
HMB27	84.	12:14	.27		4.3		
C20C66	94.	12:14	.33				
DBB11	41.	13:22	.33		6.4		
JDBB12	47.	13:08	.39				
AC98	16.	12:02	.03				
AC99	4.9	12:06	.01				
AC101	9.7	12:14	.03				
O92DET	6.4	12:31	.03		.3	.00	
AC100	13.	12:14	.04				
O93DET	7.2	13:10	.04		.3		
AC110	2.1	12:04	.00				
OFF9J	31.	12:03	.12				
AC78	14.	12:17	.05				
AC38	4.1	12:28	.02				
AC39	1.6	12:35	.01				
AC72	2.8	12:16	.01				
AC14	8.0	12:10	.03				
HMB9	1.6	13:23	.03		.7		
R72	1.6	13:29	.03				
A14A72	3.1	12:16	.04				
R39	3.1	12:23	.04				
A14A39	4.5	12:25	.05				
AC03	15.	12:11	.05				
HMB3	6.3	13:11	.05		1.4		
AC02	12.	12:05	.03				

HMB2	2.5	13:32	.03	1.5	
AC103	328.	12:39	1.63		
OF8DET	308.	12:49	1.63	3.2	.00
AC90	4.1	12:39	.02		
AC79	15.	12:21	.06		
AC74	8.0	12:16	.03		
AC52	1.6	12:10	.01		
AC71	5.7	12:23	.03		
AC43	1.4	12:11	.00		
A43A71	6.7	12:21	.03		
AC97	73.	13:46	.64		
AC61	9.8	12:36	.05		
A61A97	78.	13:39	.69		
AC48	2.0	12:25	.01		
AC57	5.1	12:44	.03		
AC60	3.5	12:22	.02		
AC64	2.3	12:02	.00		
AC106	2.9	12:12	.01		
R65	2.9	12:16	.01		
AC68	2.2	12:03	.00		
AC65	2.4	12:13	.01		
AC45	1.6	12:16	.01		
JAC45	8.7	12:14	.03		
RAC60	8.7	12:21	.03		
AC21	48.	12:25	.20		
HMB24	30.	13:24	.20	6.0	
JAC21	36.	13:12	.25		
AC92	3.2	12:16	.01		
AC93	54.	13:08	.38		
A92A93	92.	13:10	.65		
AC07	53.	12:12	.16		
HMB22	23.	13:15	.16	6.0	
A07A57	114.	13:11	.81		
AC22	76.	12:18	.28		
HMB20	76.	12:18	.28	5.2	
AC08	5.8	12:04	.01		
HMB21	2.0	13:05	.01	.5	
AC94	8.2	12:23	.04		
AC96	9.2	12:20	.04		
A94A96	17.	12:21	.07		
R57	17.	12:24	.07		

A22A08	180.	13:07	1.21		
AC85	4.6	12:37	.03		
AC70	2.0	12:20	.01		
AC47	4.4	12:33	.02		
AC46	3.6	12:25	.02		
AC83	1.2	12:12	.00		
AC69	4.4	12:19	.02		
AC58	7.5	12:17	.03		
AC17	30.	12:19	.11		
HMB26	13.	13:30	.11		3.7
DBB10	13.	13:38	.11	491.	.1
A17A58	16.	13:15	.14		
AC59	9.5	12:28	.05		
AC06	57.	12:14	.18		
HMB25	57.	12:14	.18		4.1
DBB9	108.	0:00	.18		4.9
A59A06	108.	0:00	.23		
AC28	20.	12:10	.06		
HMB23	2.0	15:10	.06		2.5
A46A83	108.	0:00	.47		
AC36	76.	12:14	.25		
HMB19	76.	12:14	.25		7.0
A36A47	132.	12:16	.74		
A05A70	134.	12:16	.75		
AC62	1.2	12:14	.00		
AC95	9.6	12:17	.04		
R22A	9.6	12:19	.04		
A62A70	314.	12:19	2.02		
AC19	44.	12:13	.14		
HMB17	13.	13:36	.14		6.0
A15A19	321.	12:19	2.17		
AC51	3.0	12:27	.01		
AC05	42.	12:12	.13		
HMB18	16.	13:18	.13		4.9
A51A05	331.	13:07	2.32		
AC09	56.	12:12	.18		
HMB16	16.	13:39	.18		7.5
A09A74	423.	13:09	3.26		
AC84	17.	12:57	.11		
AC75	11.	12:23	.05		
AC53	7.4	12:09	.02		

AC54	3.3	12:11	.01			
AC55	6.4	12:22	.03			
AC86	2.4	12:16	.01			
AC41	1.7	12:15	.01			
AC105	139.	12:27	.56			
OF6DET	111.	12:44	.56		3.0	.00
AC42	.9	12:08	.00			
AC104	15.	12:14	.05			
A42A04	120.	12:46	.61			
A42A41	121.	12:46	.61			
AC01	195.	12:21	.73			
HMB8	89.	13:38	.73		34.	
AC04	6.1	12:10	.02			
HMB7	2.0	13:15	.02		.5	
A86A01	205.	13:19	1.40			
AC35	2.2	12:15	.01			
AC26	14.	12:08	.04			
HMB13	4.9	13:10	.04		1.4	
R35	4.9	13:18	.04			
A35A26	5.9	13:13	.05			
DBB3	3.6	14:17	.05	336.	.5	
A84A75	655.	13:10	4.90			
AC111	3.2	12:12	.01			
AC88	15.	12:23	.07			
AC16	55.	12:17	.19			
HMB6	62.	12:21	.19		6.3	
A16A88	700.	13:09	5.17			
AC80	7.8	12:29	.04			
AC81	5.0	12:12	.02			
AC23	10.	12:21	.04			
HMB5	4.6	13:33	.04		1.5	
A80A23	1017.	13:06	6.97			
AC73	5.4	12:17	.02			
AC49	6.0	12:19	.02			
AC56	9.5	12:15	.04			
AC89	5.5	12:10	.02			
AC76	3.5	12:23	.02			
AC112	5.4	12:17	.02			
R76	5.3	12:28	.02			
A76A12	8.6	12:26	.04			
R89	8.6	12:29	.04			

A89A76	12.	12:28	.05			
R56A	11.	12:32	.05			
AC34	8.8	12:18	.04			
AC27	36.	12:16	.13			
HMB12	16.	13:22	.13		4.3	
R34	16.	13:30	.13			
A34A27	19.	13:20	.16			
DBB2	12.	14:27	.16	313.	1.7	
R56B	12.	14:32	.16			
A56A34	22.	12:16	.25			
R49	22.	12:21	.25			
AC29	7.4	12:10	.02			
HMB11	2.5	13:16	.02		.7	
R49B	2.5	13:22	.02			
A49A56	30.	12:21	.30			
AC40	2.0	12:30	.01			
AC50	8.9	12:27	.04			
AC25	32.	12:26	.16			
HMB10	12.	13:49	.16		4.3	
R50	12.	13:57	.16			
A25A50	15.	13:43	.20			
AC102	111.	12:35	.54			
OF9DET	73.	13:37	.54	272.	5.4	.00
AC37	.5	12:14	.00			
AC91	1.2	12:30	.01			
AC44	3.0	12:28	.01			
AC30	8.5	12:06	.02			
HMB4	1.8	13:34	.02		1.0	
A81A44	77.	13:31	.59			
A40A91	1132.	13:07	8.09			
A39A38	1147.	13:08	8.23			
AC31	28.	12:15	.09			
HMB1	28.	12:15	.09		2.6	
ALDER	1191.	13:06	8.49			

(100-year, 10-day rainfall)

ID	Peak flow (cfs)	Time of peak (hours)	Basin area (sq. mi)	Peak stage (feet)	Peak storage (ac-ft)	Diversion volume (ac-ft)
CC24	27.	153:00	.04			
CC87	3.4	153:00	.00			
C24C87	30.	153:00	.04			

COMBB4	30.	153:02	.04		1.0	.00
CC32	86.	153:00	.13			
COMBB3	74.	153:12	.13		9.1	
CC82	99.	153:09	.17			
C32C82	173.	153:11	.29			
BC11	116.	153:12	.24			
COMBB2	98.	153:37	.24		12.	
AC13	31.	153:01	.06			
COMBB1	29.	153:09	.06		2.7	
AC33	23.	153:05	.05			
AC12	50.	153:07	.10			
HMB14	44.	153:24	.10		5.1	
A12A33	66.	153:15	.15			
DBB1	51.	154:00	.15	315.	4.0	.00
BC107	3.2	153:01	.01			
BC18	40.	153:04	.07			
HMB15	26.	153:41	.07		9.8	
B18B07	28.	153:38	.08			
DBB4	22.	154:37	.08	338.	1.6	
CYC10	58.	153:03	.10			
CYC108	9.6	153:07	.02			
CYC109	4.5	153:02	.01			
R108	4.5	153:14	.01			
CY10C8	72.	153:03	.13			
COMBB5	64.	153:18	.13		6.6	
CC77	34.	153:00	.05			
CC66	12.	153:03	.02			
CC67	13.	153:04	.02			
C66C67	25.	153:04	.04			
R63	25.	153:08	.04			
CC63	12.	153:05	.02			
CC20	173.	153:03	.27			
HMB27	173.	153:03	.27		4.3	
C20C66	210.	153:03	.33			
DBB11	154.	153:29	.33		17.	
JDBB12	176.	153:08	.39			
AC98	17.	152:51	.03			
AC99	6.9	153:00	.01			
AC101	18.	153:01	.03			
O92DET	15.	153:17	.03		.8	.00
AC100	23.	153:01	.04			

O93DET	17.	153:21	.04	1.1	
AC110	2.7	152:54	.00		
OFF9J	56.	153:00	.12		
AC78	26.	153:03	.05		
AC38	10.	153:09	.02		
AC39	4.3	153:14	.01		
AC72	5.7	153:02	.01		
AC14	14.	153:01	.03		
HMB9	13.	153:09	.03	1.2	
R72	13.	153:12	.03		
A14A72	18.	153:08	.04		
R39	18.	153:12	.04		
A14A39	23.	153:12	.05		
AC03	26.	153:01	.05		
HMB3	26.	153:01	.05	2.0	
AC02	16.	153:00	.03		
HMB2	16.	153:00	.03	2.0	.00
AC103	789.	153:17	1.63		
OF8DET	739.	153:34	1.63	14.	.00
AC90	11.	153:17	.02		
AC79	31.	153:04	.06		
AC74	16.	153:02	.03		
AC52	2.7	153:00	.01		
AC71	13.	153:05	.03		
AC43	2.6	153:01	.00		
A43A71	16.	153:04	.03		
AC97	228.	154:11	.64		
AC61	25.	153:15	.05		
A61A97	245.	154:09	.69		
AC48	4.7	153:06	.01		
AC57	14.	153:21	.03		
AC60	8.4	153:04	.02		
AC64	3.0	152:33	.00		
AC106	6.1	153:01	.01		
R65	6.1	153:04	.01		
AC68	3.1	152:53	.00		
AC65	5.0	153:01	.01		
AC45	3.4	153:02	.01		
JAC45	20.	153:00	.03		
RAC60	20.	153:05	.03		
AC21	112.	153:11	.20		

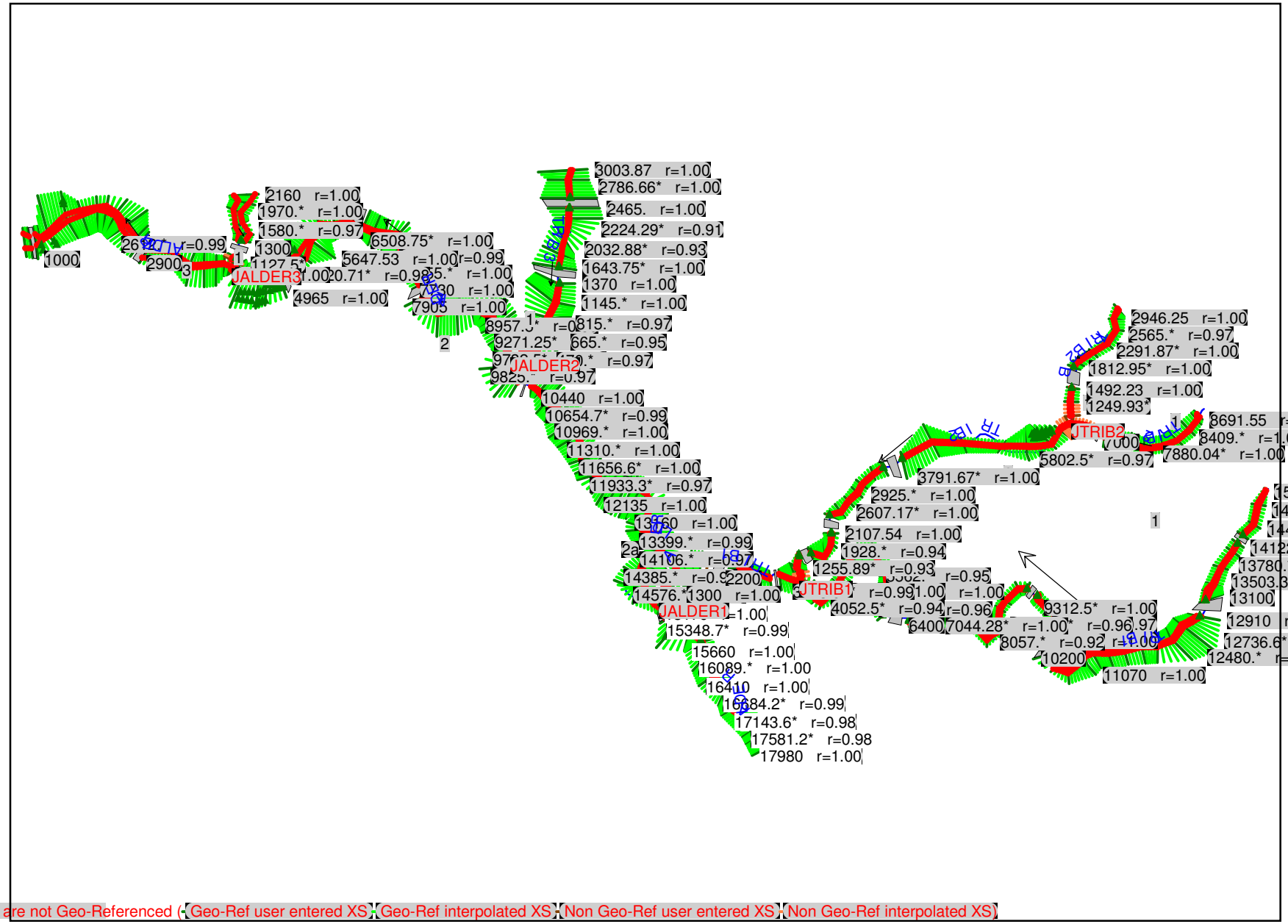
HMB24	110.	153:21	.20		8.8	
JAC21	134.	153:16	.25			
AC92	6.7	153:02	.01			
AC93	163.	153:40	.38			
A92A93	295.	153:22	.65			
AC07	96.	153:02	.16			
HMB22	87.	153:15	.16		8.7	
A07A57	381.	153:20	.81			
AC22	154.	153:06	.28			
HMB20	154.	153:06	.28		5.2	
AC08	7.9	153:00	.01			
HMB21	7.8	153:02	.01		.6	
AC94	19.	153:05	.04			
AC96	21.	153:04	.04			
A94A96	40.	153:04	.07			
R57	40.	153:06	.07			
A22A08	589.	153:14	1.21			
AC85	12.	153:15	.03			
AC70	4.5	153:04	.01			
AC47	11.	153:12	.02			
AC46	8.9	153:07	.02			
AC83	2.2	153:01	.00			
AC69	9.9	153:03	.02			
AC58	17.	153:02	.03			
AC17	66.	153:06	.11			
HMB26	56.	153:27	.11		6.4	
DBB10	56.	153:34	.11	497.	1.5	.00
A17A58	68.	153:32	.14			
AC59	26.	153:09	.05			
AC06	121.	153:03	.18			
HMB25	121.	153:03	.18		4.1	
DBB9	114.	153:14	.18		5.1	
A59A06	139.	153:13	.23			
AC28	37.	153:00	.06			
HMB23	46.	152:48	.06		9.4	
A46A83	250.	153:07	.47			
AC36	144.	153:03	.25			
HMB19	144.	153:03	.25		7.0	
A36A47	405.	153:06	.74			
A05A70	409.	153:06	.75			
AC62	2.4	153:01	.00			

AC95	20.	153:02	.04			
R22A	20.	153:04	.04			
A62A70	1028.	153:09	2.02			
AC19	80.	153:03	.14			
HMB17	84.	152:45	.14		8.7	
A15A19	1111.	153:09	2.17			
AC51	7.2	153:08	.01			
AC05	74.	153:02	.13			
HMB18	81.	152:42	.13		6.9	
A51A05	1190.	153:08	2.32			
AC09	100.	153:02	.18			
HMB16	56.	154:01	.18		15.	
A09A74	1475.	153:09	3.26			
AC84	46.	153:30	.11			
AC75	25.	153:05	.05			
AC53	12.	153:00	.02			
AC54	5.7	153:01	.01			
AC55	14.	153:05	.03			
AC86	4.7	153:02	.01			
AC41	3.3	153:02	.01			
AC105	326.	153:08	.56			
OF6DET	268.	153:32	.56		13.	.00
AC42	1.5	153:00	.00			
AC104	27.	153:03	.05			
A42A04	288.	153:27	.61			
A42A41	290.	153:27	.61			
AC01	400.	153:08	.73			
HMB8	467.	153:03	.73		48.	
AC04	10.	153:01	.02			
HMB7	10.	153:05	.02		.7	
A86A01	770.	153:03	1.40			
AC35	4.4	153:02	.01			
AC26	22.	153:00	.04			
HMB13	23.	152:50	.04		2.0	
R35	22.	153:05	.04			
A35A26	26.	153:04	.05			
DBB3	16.	153:59	.05	337.	2.2	.00
A84A75	2322.	153:03	4.90			
AC111	5.9	153:01	.01			
AC88	35.	153:05	.07			
AC16	103.	153:04	.19			

HMB6	103.	153:05	.19		6.3	
A16A88	2465.	153:03	5.17			
AC80	17.	153:11	.04			
AC81	8.3	153:01	.02			
AC23	20.	153:07	.04			
HMB5	20.	153:08	.04		2.0	
A80A23	3203.	153:03	6.97			
AC73	11.	153:02	.02			
AC49	13.	153:03	.02			
AC56	19.	153:02	.04			
AC89	9.5	153:00	.02			
AC76	8.0	153:05	.02			
AC112	11.	153:02	.02			
R76	11.	153:11	.02			
A76A12	19.	153:08	.04			
R89	19.	153:11	.04			
A89A76	28.	153:03	.05			
R56A	28.	153:07	.05			
AC34	18.	153:03	.04			
AC27	69.	153:04	.13			
HMB12	69.	153:04	.13		4.3	
R34	69.	153:09	.13			
A34A27	87.	153:07	.16			
DBB2	68.	153:32	.16	316.	9.4	
R56B	68.	153:36	.16			
A56A34	102.	153:27	.25			
R49	102.	153:31	.25			
AC29	12.	153:01	.02			
HMB11	12.	153:09	.02		1.0	
R49B	12.	153:12	.02			
A49A56	121.	153:28	.30			
AC40	4.9	153:10	.01			
AC50	21.	153:08	.04			
AC25	75.	153:10	.16			
HMB10	84.	153:06	.16		6.6	
R50	78.	153:13	.16			
A25A50	98.	153:13	.20			
AC102	262.	153:13	.54			
OF9DET	161.	154:21	.54	278.	26.	.00
AC37	.9	153:01	.00			
AC91	3.1	153:10	.01			

AC44	6.7	153:09	.01	
AC30	11.	153:00	.02	
HMB4	11.	153:04	.02	1.6
A81A44	172.	154:18	.59	
A40A91	3563.	153:13	8.09	
A39A38	3630.	153:13	8.23	
AC31	50.	153:03	.09	
HMB1	50.	153:03	.09	2.6
ALDER	3750.	153:13	8.49	

Appendix D: Developed Conditions HEC-RAS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1370 r=1.00
1145.* r=1.00
2160 r=1.00
1970.* r=1.00
1580.* r=0.97
6508.75* r=1.00
1300
5647.53 r=1.00
r=0.99
4965 r=1.00
7905 r=1.00
1000
JALDER3
JALDER2
JALDER1
JTRIB1
JTRIB2
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2565.* r=0.97
2291.87* r=1.00
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1249.93*
8691.55 r=1.00
8409.* r=1.00
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2925.* r=1.00
2607.17* r=1.00
2107.54 r=1.00
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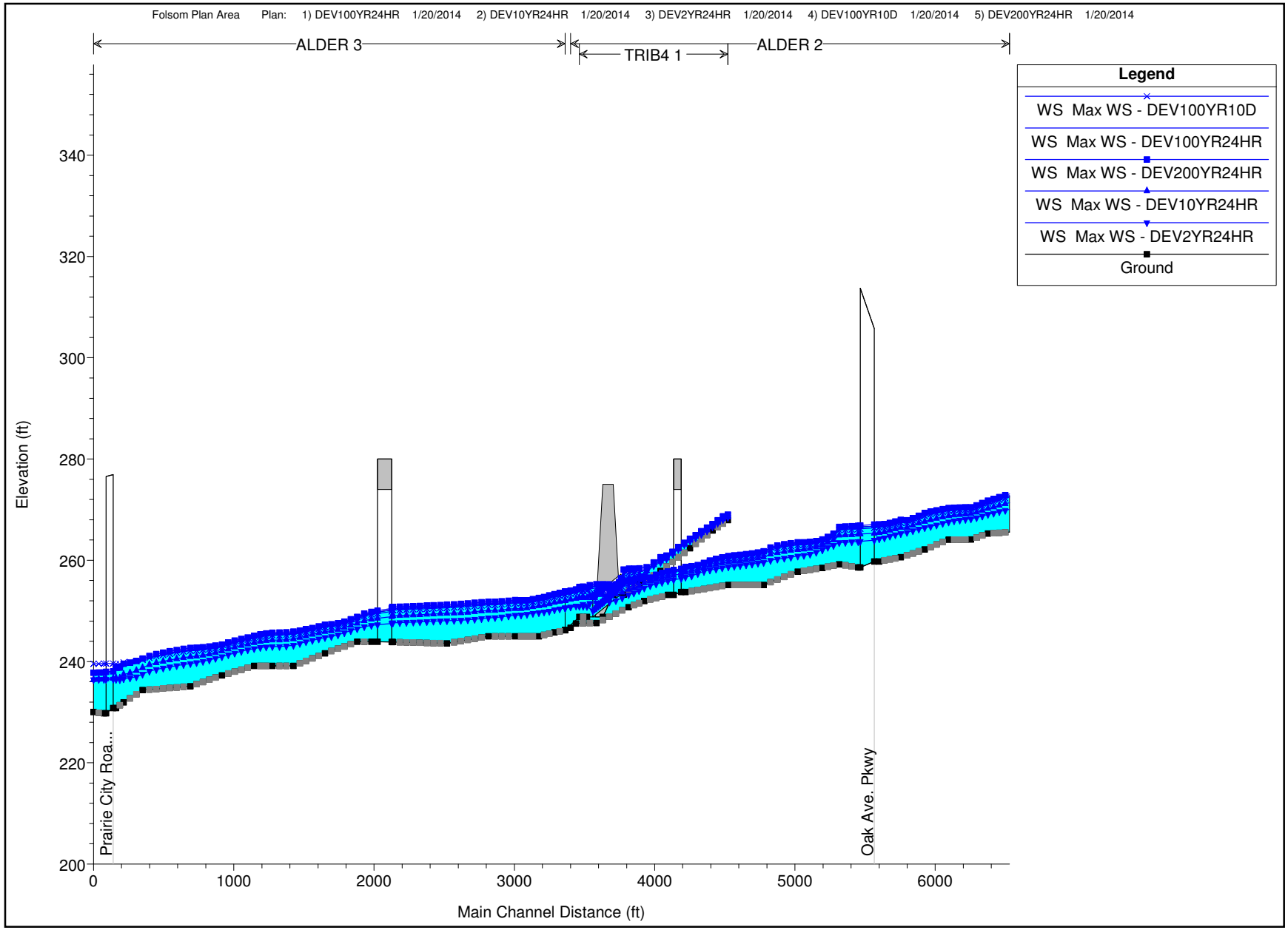
4052.5* r=0.94
9312.5* r=1.00
7044.28* r=1.00
8057.* r=0.92
10200
11070 r=1.00
15010 r=1.00
14731.6* r=0.99
14490 r=1.00
14122.5 r=1.00
13780.* r=0.99
13503.3* r=1.00
13100
12910 r=1.00
12736.6* r=0.98
12480.* r=0.99
15348.7* r=0.99
15660 r=1.00
16089.* r=1.00
16410 r=1.00
16684.2* r=0.99
17143.6* r=0.98
17581.2* r=0.98
17980 r=1.00
1
2
21 of the 923 XS's are not Geo-Referenced (Geo-Ref user entered XS Geo-Ref interpolated XS Non Geo-Ref user entered XS Non Geo-Ref interpolated XS)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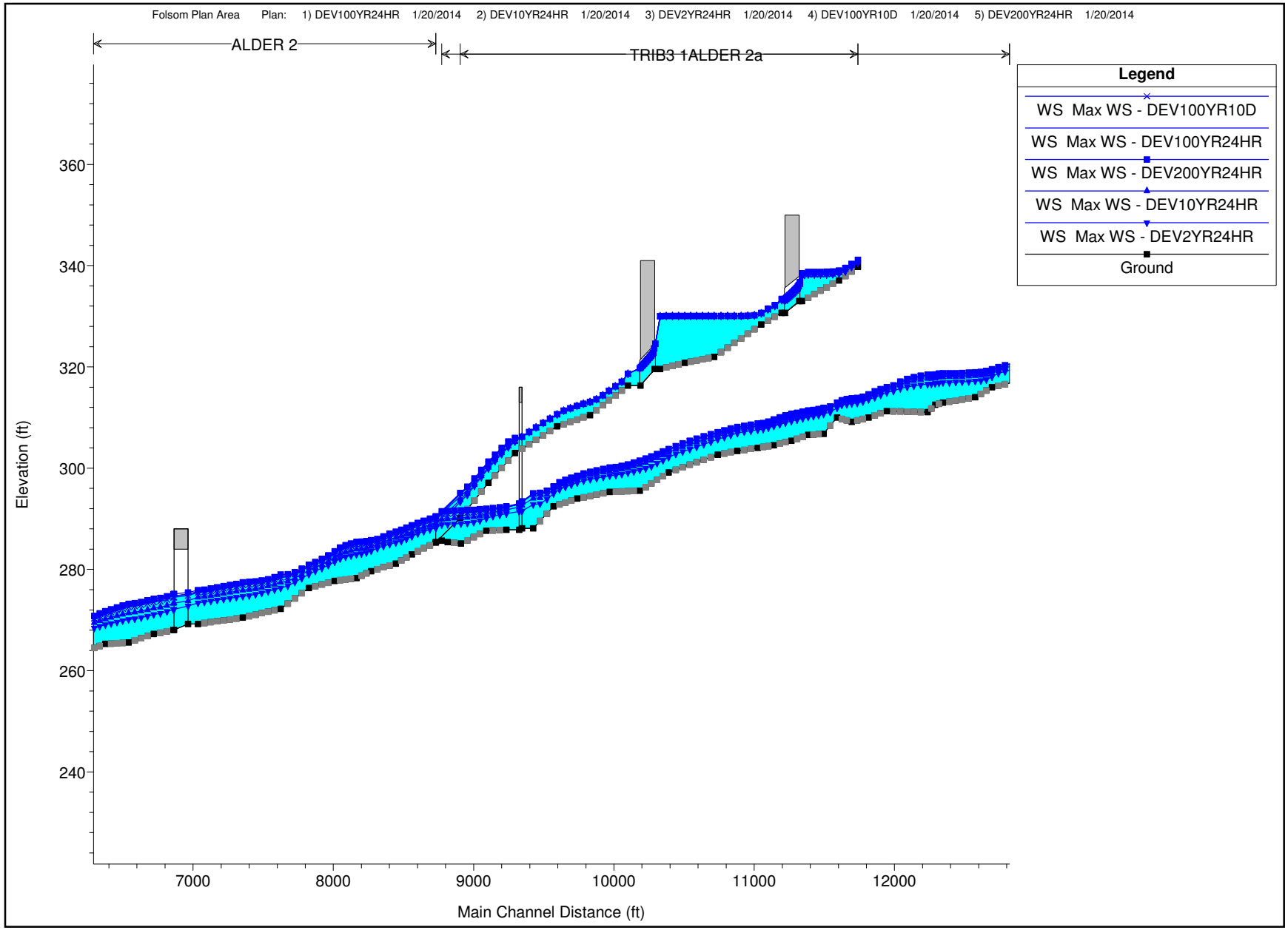
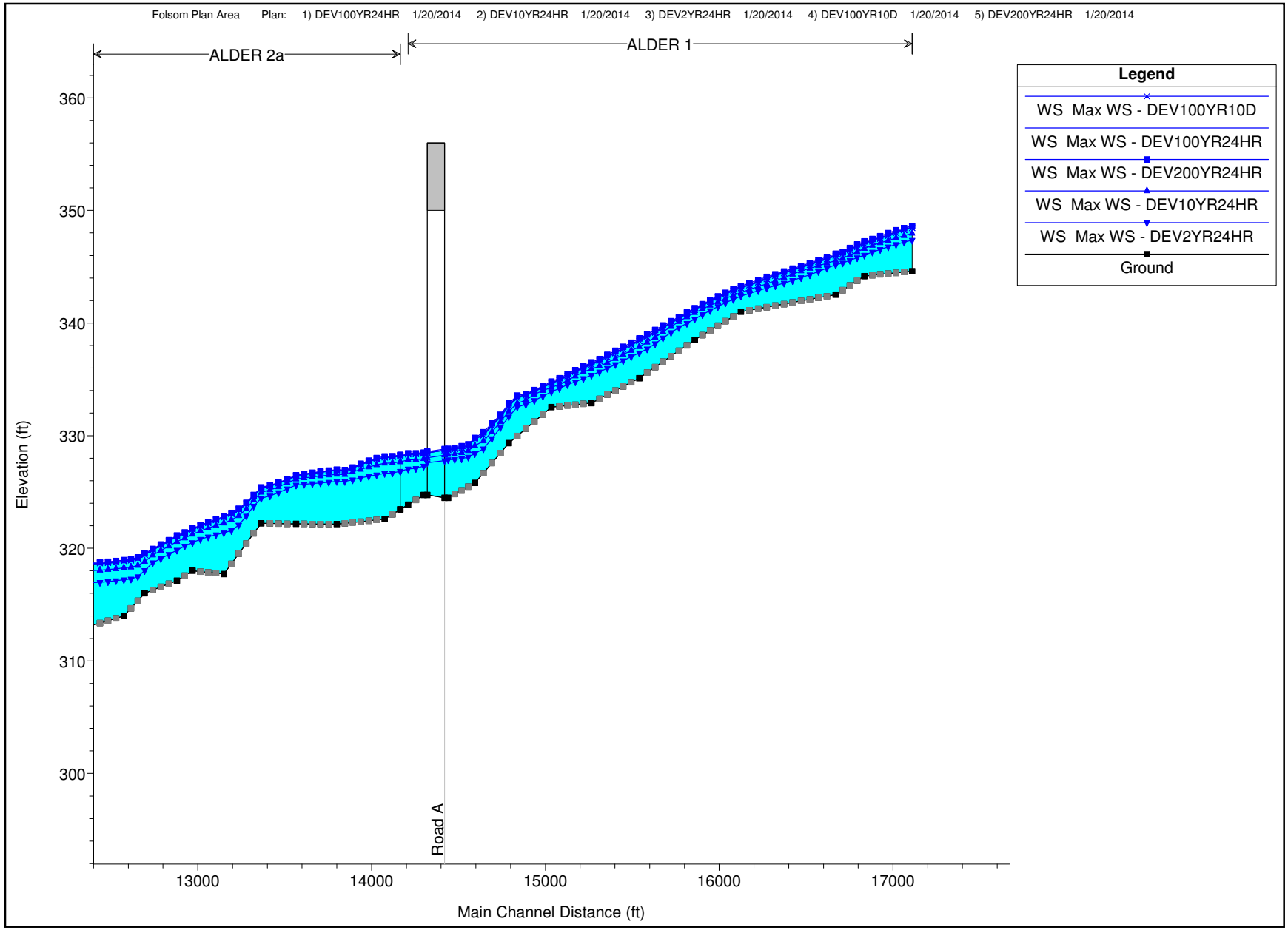
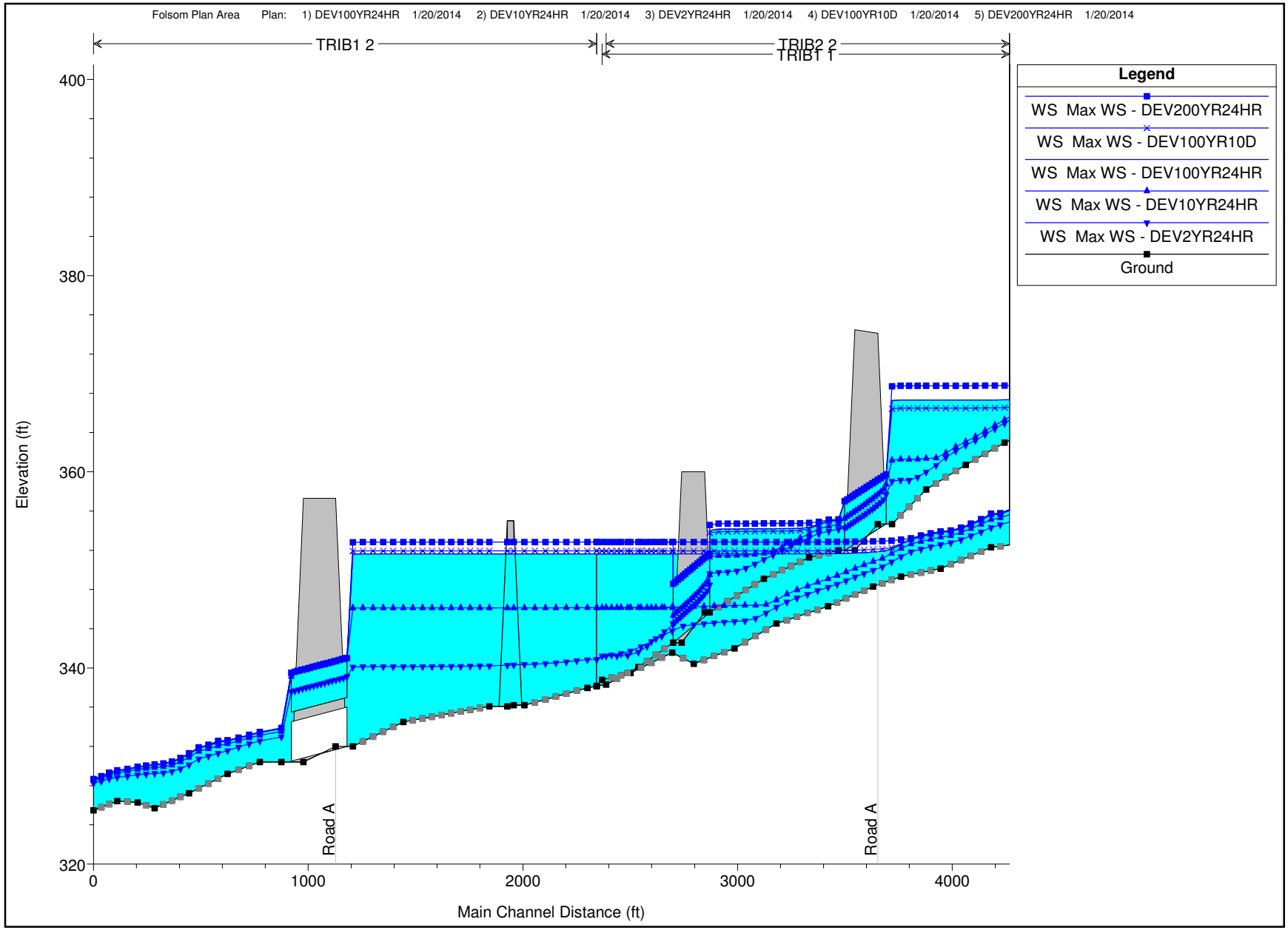
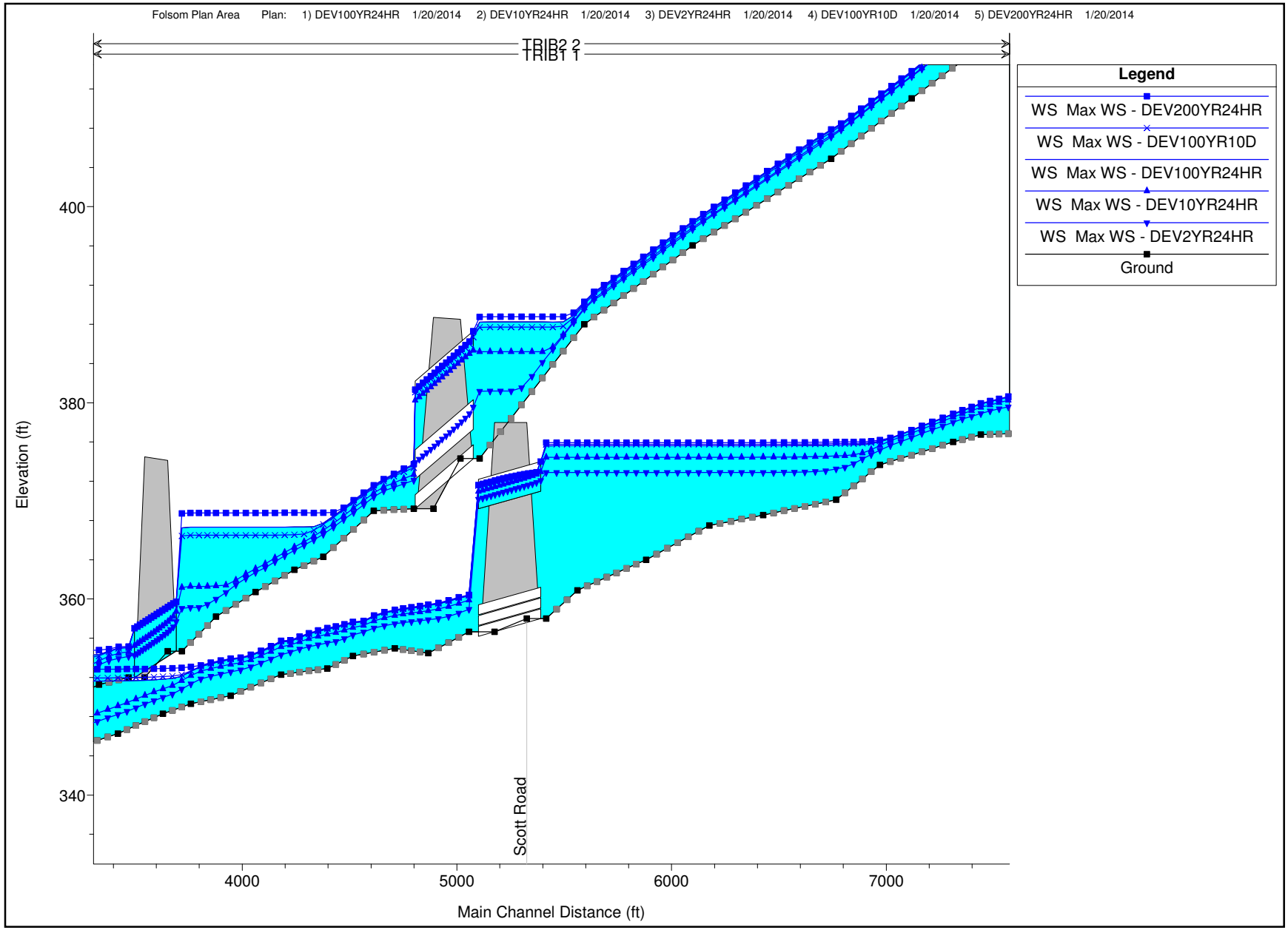
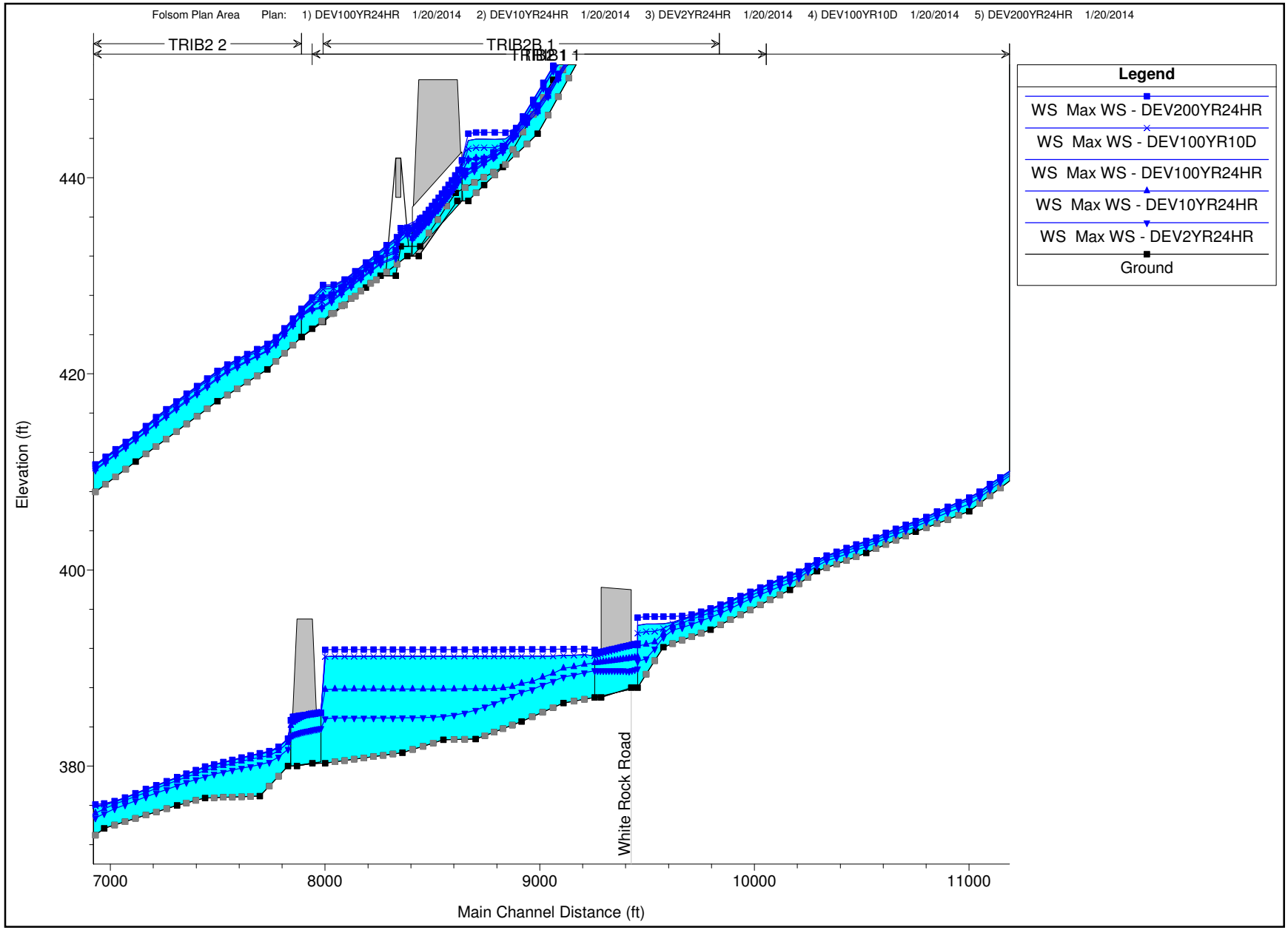
ALDER 3
TRIB4 1
ALDER 2
Legend
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV200YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
340
320
300
280
260
240
220
200
0
1000
2000
3000
4000
5000
6000
Main Channel Distance (ft)
Prairie City Roa...
Oak Ave. Pkwy

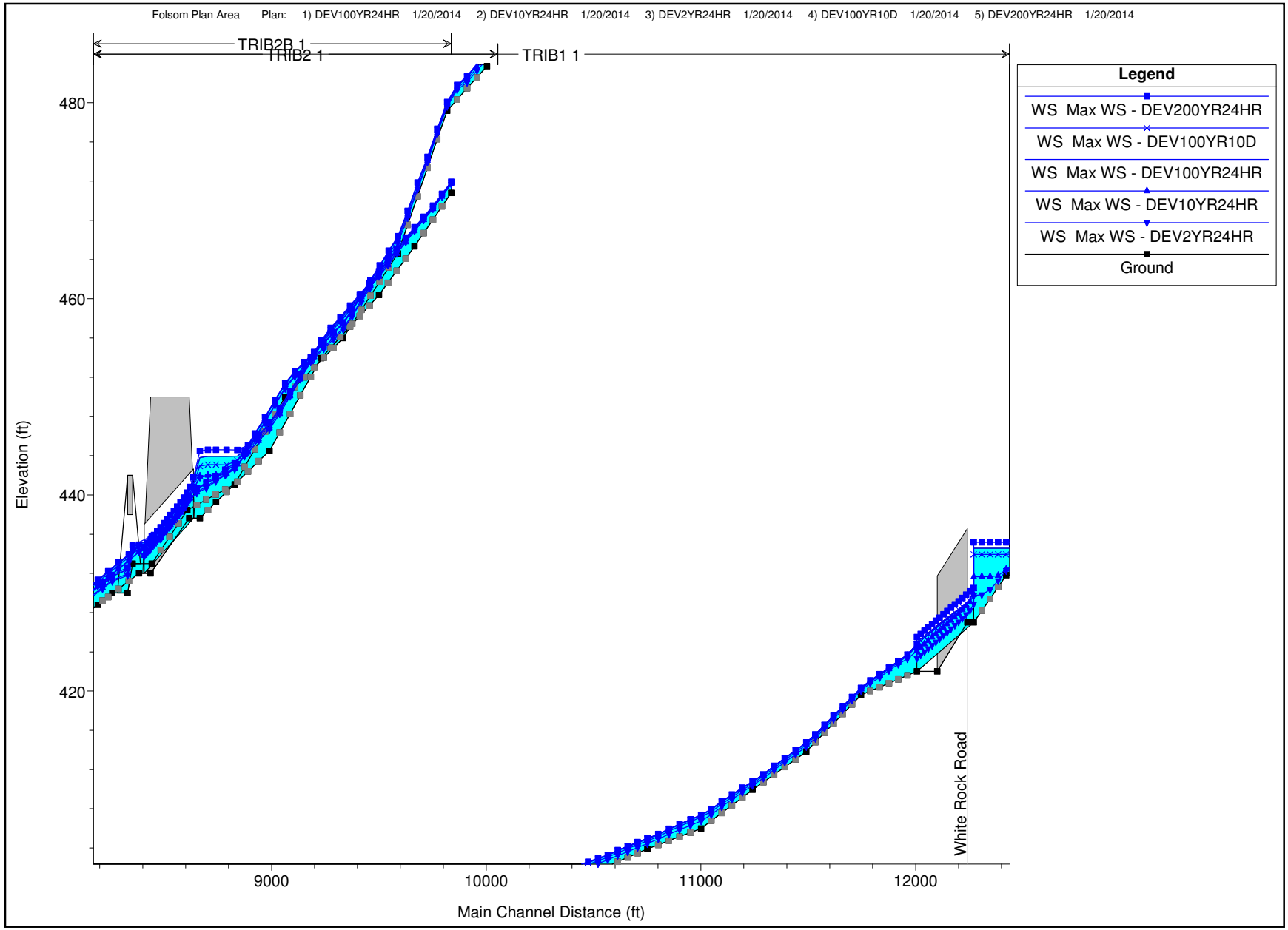

Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
ALDER 2
TRIB3 1ALDER 2a
Legend
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV200YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
360
340
320
300
280
260
240
7000
8000
9000
10000
11000
12000
Main Channel Distance (ft)

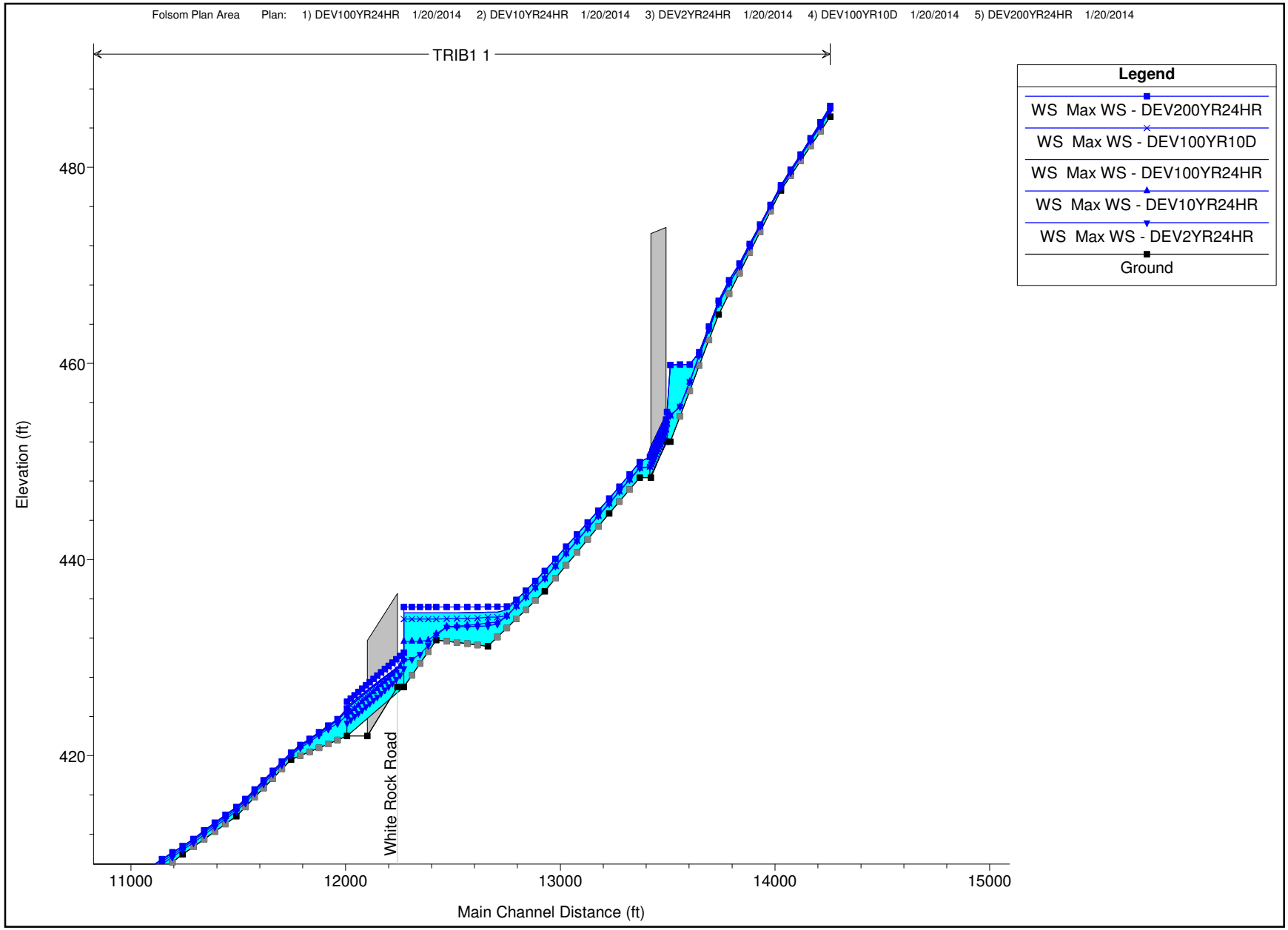

Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
ALDER 2a
ALDER 1
Legend
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV200YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
360
350
340
330
320
310
300
Road A
13000
14000
15000
16000
17000
Main Channel Distance (ft)


Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
TRIB1 2
TRIB2 2
TRIB1 1
Legend
WS Max WS - DEV200YR24HR
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
400
380
360
340
320
0
1000
2000
3000
4000
Main Channel Distance (ft)
Road A
Road A


Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
TRIB2 2
TRIB1 1
Legend
WS Max WS - DEV200YR24HR
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
400
380
360
340
Scott Road
4000
5000
6000
7000
Main Channel Distance (ft)


Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
TRIB2 2
TRIB2B 1
TRIB2 1
Legend
WS Max WS - DEV200YR24HR
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
440
420
400
380
White Rock Road
7000
8000
9000
10000
11000
Main Channel Distance (ft)


Folsom Plan Area Plan: 1) DEV100YR24HR 1/20/2014 2) DEV10YR24HR 1/20/2014 3) DEV2YR24HR 1/20/2014 4) DEV100YR10D 1/20/2014 5) DEV200YR24HR 1/20/2014
TRIB2B 1
TRIB2 1
TRIB1 1
Legend
WS Max WS - DEV200YR24HR
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
480
460
440
420
9000
10000
11000
12000
Main Channel Distance (ft)
White Rock Road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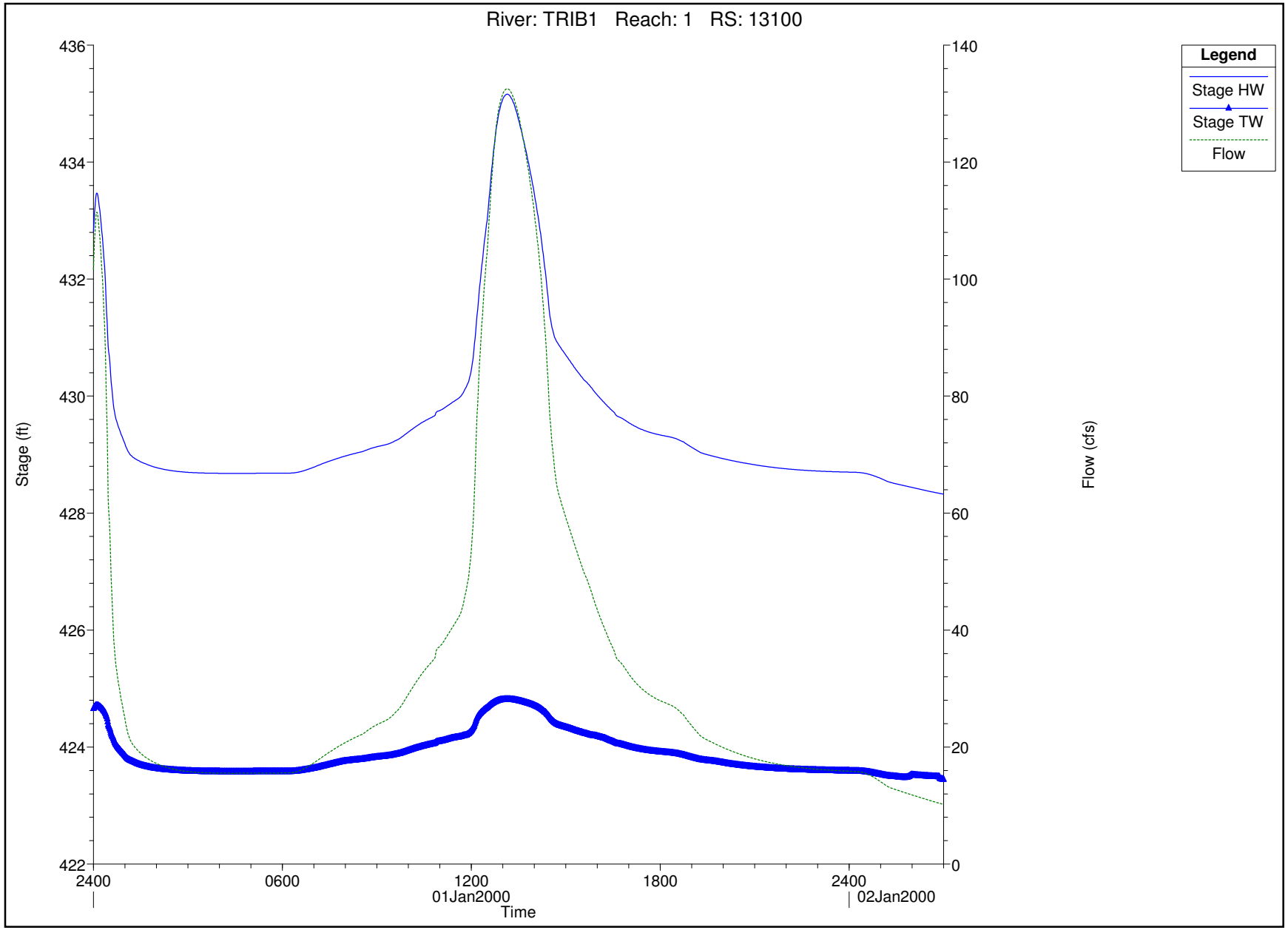
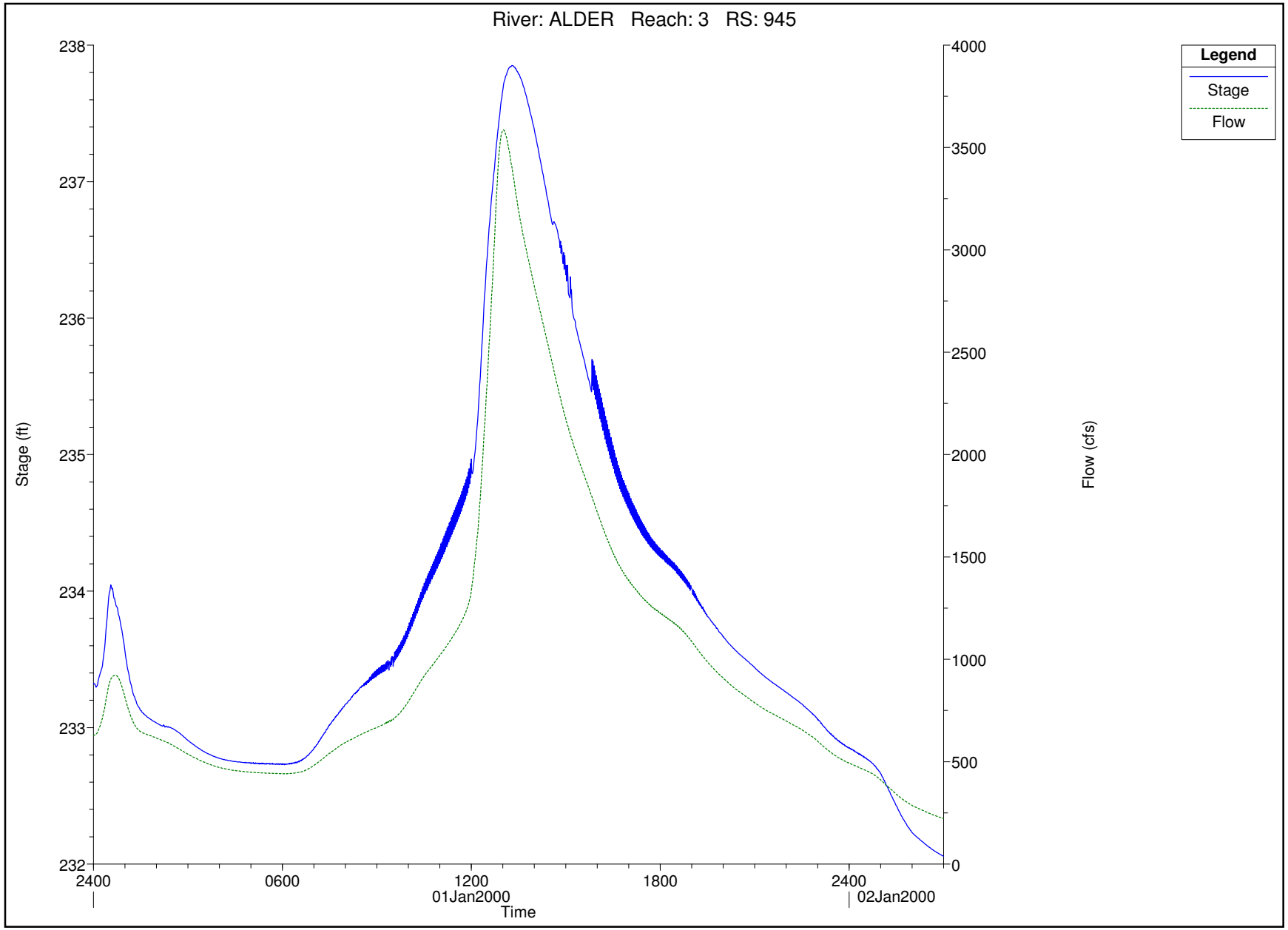
TRIB1 1
Legend
WS Max WS - DEV200YR24HR
WS Max WS - DEV100YR10D
WS Max WS - DEV100YR24HR
WS Max WS - DEV10YR24HR
WS Max WS - DEV2YR24HR
Ground
Elevation (ft)
480
460
440
420
White Rock Road
11000
12000
13000
14000
15000
Main Channel Distance (ft)


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
436
434
432
430
428
426
424
422
140
120
100
80
60
40
20
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
238
237
236
235
234
233
232
4000
3500
3000
2500
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: DEV200YR24HR Profile: Max WS

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	Max WS	210.21	267.93	269.00		269.12	0.009166	2.77	75.95	84.06	0.51
TRIB4	1	2123.33*	Max WS	210.21	267.25	268.69		268.83	0.009436	2.93	71.73	74.45	0.53
TRIB4	1	2086.66*	Max WS	210.20	266.58	267.88	267.90	268.28	0.039876	5.02	41.83	57.01	1.03
TRIB4	1	2050	Max WS	210.19	265.90	267.14		267.36	0.023276	3.84	54.77	74.54	0.79
TRIB4	1	2010.*	Max WS	210.71	265.02	266.46		266.68	0.020463	3.75	56.21	71.95	0.75
TRIB4	1	1970.*	Max WS	211.22	264.15	265.77		265.98	0.019052	3.71	56.96	70.20	0.73
TRIB4	1	1930.*	Max WS	211.74	263.27	264.95		265.23	0.029639	4.27	49.59	68.87	0.89
TRIB4	1	1890	Max WS	212.25	262.40	264.24		264.48	0.023078	3.94	53.90	69.88	0.79
TRIB4	1	1848.*	Max WS	212.77	261.50	263.46		263.78	0.028720	4.50	47.25	59.02	0.89
TRIB4	1	1806.*	Max WS	213.29	260.59	262.61		262.95	0.027607	4.69	45.47	51.72	0.88
TRIB4	1	1764.*	Max WS	213.81	259.69	261.70	261.65	262.09	0.031742	5.02	42.55	48.37	0.94
TRIB4	1	1722.*	Max WS	214.33	258.78	260.91		261.24	0.023531	4.63	46.28	47.35	0.83
TRIB4	1	1680	Max WS	214.86	257.88	260.60		260.73	0.005547	2.95	72.91	49.41	0.43
TRIB4	1	1630.*	Max WS	214.86	257.07	259.60		260.14	0.027843	5.90	36.44	29.45	0.93
TRIB4	1	1580.*	Max WS	214.55	256.25	258.64		258.95	0.017757	4.44	48.33	42.89	0.74
TRIB4	1	1530	Max WS	214.25	255.44	258.40		258.44	0.001141	1.66	128.97	63.66	0.21
TRIB4	1	1492.39*	Max WS	214.23	254.70	258.36		258.41	0.000999	1.62	132.54	61.72	0.19
TRIB4	1	1454.79*	Max WS	214.21	253.97	258.35		258.38	0.000584	1.36	157.52	63.44	0.15
TRIB4	1	1417.19	Max WS	214.57	253.23	258.16		258.37	0.001887	3.64	58.88	63.99	0.30
TRIB4	1	1300		Culvert									
TRIB4	1	1155	Max WS	133.66	248.82	254.68		254.73	0.000308	1.76	75.90	69.15	0.13
TRIB4	1	1127.5*	Max WS	133.66	248.82	254.70		254.71	0.000024	0.41	324.53	69.24	0.03
TRIB4	1	1100	Max WS	133.65	248.82	254.70		254.70	0.000024	0.41	324.48	69.23	0.03
TRIB3	1	3003.87	Max WS	341.44	339.76	341.14		341.42	0.017788	4.85	84.26	97.22	0.76
TRIB3	1	2960.91*	Max WS	341.41	338.87	340.35		340.69	0.020888	5.40	78.50	96.64	0.83
TRIB3	1	2917.95*	Max WS	341.19	337.98	339.55		339.91	0.021275	5.51	75.34	87.96	0.84
TRIB3	1	2875	Max WS	340.17	337.09	339.04		339.23	0.008657	4.02	101.14	91.49	0.55
TRIB3	1	2830.83*	Max WS	340.15	336.41	338.85		338.97	0.003956	3.25	131.11	99.13	0.39
TRIB3	1	2786.66*	Max WS	340.11	335.72	338.79		338.85	0.001563	2.42	180.17	109.61	0.26
TRIB3	1	2742.5*	Max WS	340.04	335.04	338.77		338.80	0.000660	1.81	242.09	119.98	0.17
TRIB3	1	2698.33*	Max WS	339.97	334.36	338.76		338.78	0.000318	1.42	314.22	133.16	0.12
TRIB3	1	2654.16*	Max WS	339.89	333.67	338.75		338.77	0.000166	1.13	397.03	145.97	0.09
TRIB3	1	2610	Max WS	339.82	332.99	338.48		338.92	0.003220	5.34	63.68	155.63	0.41
TRIB3	1	2500		Culvert									
TRIB3	1	2465.	Max WS	339.82	330.68	333.40	333.71	335.17	0.036086	10.67	31.86	75.32	1.20
TRIB3	1	2416.66*	Max WS	339.80	329.91	332.21		332.63	0.016205	5.77	69.48	60.18	0.76
TRIB3	1	2368.33*	Max WS	340.96	329.14	331.50		331.92	0.015779	5.74	69.62	59.30	0.75
TRIB3	1	2320	Max WS	342.11	328.37	330.68	330.60	331.19	0.019741	6.19	63.77	56.36	0.84
TRIB3	1	2272.14*	Max WS	292.68	327.46	330.18		330.41	0.006613	4.21	82.97	59.02	0.50
TRIB3	1	2224.29*	Max WS	295.03	326.54	330.09		330.19	0.002013	2.91	127.50	69.51	0.29
TRIB3	1	2176.44*	Max WS	296.38	325.63	330.07		330.11	0.000783	2.17	190.06	92.74	0.19
TRIB3	1	2128.58*	Max WS	297.22	324.71	330.06		330.08	0.000330	1.63	271.35	112.91	0.13
TRIB3	1	2080.73*	Max WS	297.96	323.80	330.06		330.07	0.000152	1.24	376.59	136.22	0.09
TRIB3	1	2032.88*	Max WS	298.62	322.88	330.06		330.06	0.000073	0.95	478.15	135.55	0.06
TRIB3	1	1985.03	Max WS	299.20	321.97	330.06		330.06	0.000045	0.81	559.20	131.62	0.05
TRIB3	1	1943.02*	Max WS	299.67	321.74	330.05		330.06	0.000039	0.78	579.45	130.81	0.05
TRIB3	1	1901.01*	Max WS	300.16	321.51	330.05		330.06	0.000034	0.74	606.66	133.09	0.05
TRIB3	1	1859.01*	Max WS	300.67	321.27	330.05		330.06	0.000029	0.70	644.60	137.17	0.04
TRIB3	1	1817.00*	Max WS	301.18	321.04	330.05		330.06	0.000024	0.64	695.76	143.73	0.04
TRIB3	1	1775	Max WS	301.73	320.81	330.05		330.05	0.000020	0.59	776.59	164.16	0.03
TRIB3	1	1731.25*	Max WS	302.36	320.51	330.05		330.05	0.000017	0.56	819.98	167.38	0.03
TRIB3	1	1687.5*	Max WS	303.03	320.21	330.05		330.05	0.000015	0.53	870.03	171.22	0.03
TRIB3	1	1643.75*	Max WS	303.69	319.90	330.05		330.05	0.000012	0.50	925.73	175.67	0.03
TRIB3	1	1600	Max WS	301.00	319.60	330.01		330.09	0.000252	2.31	131.95	179.83	0.13
TRIB3	1	1500		Culvert									
TRIB3	1	1370	Max WS	301.00	316.30	318.62	319.15	320.64	0.051573	11.52	26.59	72.20	1.40
TRIB3	1	1325.*	Max WS	300.55	315.33	317.05		317.43	0.023017	5.89	64.25	67.57	0.87
TRIB3	1	1280.*	Max WS	300.36	314.36	316.16	316.16	316.59	0.025210	6.13	62.84	71.78	0.91
TRIB3	1	1235.*	Max WS	302.88	313.39	315.28	315.34	315.76	0.026786	6.32	61.72	75.64	0.94
TRIB3	1	1190.*	Max WS	309.25	312.42	314.41	314.52	314.95	0.028091	6.50	60.59	78.67	0.96
TRIB3	1	1145.*	Max WS	313.77	311.45	313.58	313.65	314.09	0.024355	6.18	63.01	79.95	0.90
TRIB3	1	1100	Max WS	315.28	310.48	313.10		313.32	0.007954	4.15	97.24	97.66	0.54
TRIB3	1	1053.*	Max WS	316.23	310.03	312.70		312.97	0.009195	4.50	85.86	80.47	0.58
TRIB3	1	1006.*	Max WS	316.76	309.59	312.27		312.57	0.010144	4.71	80.74	74.97	0.61
TRIB3	1	959.*	Max WS	316.73	309.14	311.80		312.12	0.011172	4.87	78.54	76.45	0.63
TRIB3	1	912.*	Max WS	316.85	308.70	311.33		311.64	0.011100	4.78	80.92	77.09	0.63
TRIB3	1	865	Max WS	317.24	308.25	310.64		311.04	0.018100	5.48	69.92	73.32	0.78
TRIB3	1	815.*	Max WS	324.70	307.37	309.77	309.76	310.20	0.018758	5.74	69.42	72.31	0.80
TRIB3	1	765.*	Max WS	324.00	306.49	308.93		309.35	0.017619	5.77	70.28	71.58	0.79
TRIB3	1	715.*	Max WS	323.21	305.60	308.04	307.89	308.51	0.018958	6.10	67.62	70.22	0.82
TRIB3	1	665.*	Max WS	322.45	304.72	307.14	307.04	307.61	0.018977	6.17	64.27	62.26	0.82
TRIB3	1	615.*	Max WS	321.54	303.84	306.20	306.17	306.71	0.020868	6.46	61.20	63.15	0.86
TRIB3	1	565	Max WS	243.72	302.96	305.98		306.07	0.002856	2.99	116.84	114.84	0.34
TRIB3	1	517.5*	Max WS	1017.84	301.49	305.30	305.69	306.65	0.029751	11.51	132.91	98.19	1.13
TRIB3	1	470.*	Max WS	989.64	300.02	303.99	304.45	305.50	0.032441	12.32	126.03	94.95	1.19
TRIB3	1	422.5*	Max WS	987.07	298.54	302.67	303.14	304.22	0.033964	12.81	125.74	95.53	1.21
TRIB3	1	375	Max WS	984.75	297.07	301.29	300.99	302.90	0.038221	13.50	124.04	98.27	1.27
TRIB3	1	325.*	Max WS	980.67	295.34	299.66	300.31	301.39	0.034752	13.34	106.50	56.61	1.23
TRIB3	1	275.*	Max WS	977.69	293.61	297.95	298.45	299.81	0.034645	13.59	100.90	48.99	1.24
TRIB3	1	225.*	Max WS	974.92	291.89	296.32	296.79	298.16	0.032208	13.52	100.38	45.95	1.21
TRIB3	1	175	Max WS	971.94	290.16	295.09	295.09	296.31	0.018342	11.19	121.63	48.14	0.93

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2B	1	2946.25	Max WS	207.55	470.79	471.93	471.97	472.32	0.030088	5.42	43.71	68.36	1.09
TRIB2B	1	2903.43*	Max WS	207.48	469.43	470.70	470.77	471.14	0.029027	5.92	42.00	62.92	1.10
TRIB2B	1	2860.62*	Max WS	207.40	468.07	469.49	469.60	470.02	0.028415	6.55	40.07	58.10	1.11
TRIB2B	1	2817.81*	Max WS	207.39	466.70	468.36	468.50	468.94	0.025624	7.11	40.25	56.11	1.09
TRIB2B	1	2775	Max WS	207.37	465.34	467.30	467.47	467.88	0.025005	7.91	42.70	61.65	1.09
TRIB2B	1	2733.75*	Max WS	208.25	464.10	466.24	466.53	467.09	0.027548	8.66	34.94	44.60	1.17
TRIB2B	1	2692.5*	Max WS	209.13	462.86	465.10	465.39	466.07	0.027930	8.70	30.89	32.82	1.18
TRIB2B	1	2651.25*	Max WS	210.01	461.63	463.93	464.24	464.98	0.028922	8.69	28.62	27.72	1.19
TRIB2B	1	2610	Max WS	210.90	460.39	462.80	463.04	463.79	0.026368	8.26	28.66	25.59	1.14
TRIB2B	1	2565.*	Max WS	211.85	459.32	461.63	461.86	462.59	0.026076	8.11	29.36	26.68	1.13
TRIB2B	1	2520.*	Max WS	212.79	458.24	460.47	460.68	461.39	0.026040	7.99	30.02	27.91	1.13
TRIB2B	1	2475.*	Max WS	213.74	457.17	459.31	459.53	460.20	0.025979	7.86	30.83	29.57	1.12
TRIB2B	1	2430.*	Max WS	214.68	456.09	458.14	458.36	459.01	0.026550	7.79	31.46	31.41	1.13
TRIB2B	1	2385.*	Max WS	215.62	455.02	457.04	457.17	457.78	0.022943	7.28	34.22	33.54	1.05
TRIB2B	1	2340	Max WS	216.55	453.94	455.73	455.99	456.69	0.035821	8.27	29.95	33.36	1.29
TRIB2B	1	2291.87*	Max WS	217.55	452.05	454.02	454.35	455.10	0.035727	8.60	28.06	28.38	1.29
TRIB2B	1	2243.75*	Max WS	218.56	450.16	452.30	452.64	453.48	0.036193	8.93	26.59	24.70	1.31
TRIB2B	1	2195.63*	Max WS	219.56	448.26	450.59	450.95	451.84	0.035170	9.12	25.82	22.13	1.30
TRIB2B	1	2147.51*	Max WS	220.56	446.37	448.85	449.27	450.25	0.037712	9.61	24.33	19.72	1.34
TRIB2B	1	2099.39	Max WS	221.59	444.48	447.36	447.59	448.48	0.024761	8.66	27.49	19.33	1.11
TRIB2B	1	2049.51*	Max WS	221.58	443.44	446.12	446.34	447.18	0.025049	8.42	28.34	21.39	1.12
TRIB2B	1	1999.63*	Max WS	215.47	442.39	445.06	445.07	445.80	0.016550	7.07	33.76	25.89	0.92
TRIB2B	1	1949.75*	Max WS	210.27	441.35	444.58		444.80	0.003720	4.11	63.84	43.13	0.46
TRIB2B	1	1899.87*	Max WS	212.43	440.30	444.61		444.65	0.000486	1.92	150.21	68.30	0.18
TRIB2B	1	1850	Max WS	211.64	439.26	444.62		444.63	0.000094	1.02	283.99	90.84	0.08
TRIB2B	1	1812.95*	Max WS	211.01	438.45	444.62		444.62	0.000060	0.91	313.53	81.62	0.07
TRIB2B	1	1775.91	Max WS	212.74	437.64	444.49		444.70	0.000834	3.73	58.34	78.41	0.26
TRIB2B	1	1500		Culvert									
TRIB2B	1	1492.23	Max WS	212.74	432.00	434.91	435.17	436.51	0.025149	10.13	21.01	27.76	1.17
TRIB2B	1	1444.15*	Max WS	212.34	431.20	433.93	433.87	434.59	0.015698	6.58	34.43	27.27	0.88
TRIB2B	1	1396.08*	Max WS	250.84	430.40	433.11	433.14	433.88	0.018490	7.09	37.39	29.63	0.96
TRIB2B	1	1348.00*	Max WS	250.83	429.59	432.23	432.23	432.94	0.018297	6.80	38.43	31.91	0.95
TRIB2B	1	1299.93	Max WS	250.81	428.79	431.36	431.28	432.02	0.017832	6.51	40.35	47.79	0.93
TRIB2B	1	1249.93*	Max WS	250.78	427.92	430.47	430.62	431.12	0.018111	6.51	42.09	58.62	0.93
TRIB2B	1	1199.93*	Max WS	250.75	427.04	429.63	429.71	430.18	0.015578	6.13	47.56	62.75	0.87
TRIB2B	1	1149.93*	Max WS	250.38	426.17	429.09		429.34	0.005857	4.29	73.33	67.36	0.55
TRIB2B	1	1099.93	Max WS	250.29	425.29	429.06		429.12	0.001047	2.32	135.71	72.82	0.25
TRIB2	1	8691.55	Max WS	85.86	486.56	487.30	487.47	487.85	0.089946	5.91	14.52	37.54	1.68
TRIB2	1	8665.77*	Max WS	85.83	485.14	486.10	486.24	486.60	0.059043	5.67	15.12	30.27	1.41
TRIB2	1	8640	Max WS	85.79	483.72	485.18	485.34	485.82	0.033230	6.46	14.31	21.05	1.17
TRIB2	1	8593.75*	Max WS	86.00	482.59	483.98	484.07	484.55	0.029793	6.08	14.82	19.39	1.11
TRIB2	1	8547.5*	Max WS	86.17	481.46	482.72	482.83	483.30	0.033179	6.11	14.55	19.52	1.16
TRIB2	1	8501.25*	Max WS	86.43	480.32	481.82		482.09	0.010585	4.18	22.02	23.64	0.69
TRIB2	1	8455	Max WS	86.68	479.19	480.06	480.36	481.04	0.094105	7.94	10.94	19.30	1.83
TRIB2	1	8409.*	Max WS	86.88	476.28	477.35	477.59	478.18	0.061676	7.31	11.98	18.12	1.53
TRIB2	1	8363.*	Max WS	87.07	473.37	474.48	474.84	475.68	0.095581	8.77	9.95	15.39	1.88
TRIB2	1	8317.*	Max WS	87.26	470.45	471.87	472.16	472.77	0.050153	7.63	11.66	14.83	1.42
TRIB2	1	8271.*	Max WS	87.44	467.54	468.96	469.50	470.48	0.095521	9.89	8.94	13.09	1.92
TRIB2	1	8225	Max WS	87.61	464.63	466.37	466.80	467.52	0.055328	8.84	11.69	20.17	1.51
TRIB2	1	8182.5*	Max WS	87.80	463.19	464.92	465.18	465.89	0.046443	7.93	11.25	12.53	1.38
TRIB2	1	8140.*	Max WS	88.00	461.75	463.42	463.63	464.26	0.044313	7.33	12.04	13.47	1.33
TRIB2	1	8097.5*	Max WS	88.20	460.32	461.91	462.11	462.71	0.045998	7.14	12.35	14.15	1.35
TRIB2	1	8055.*	Max WS	88.40	458.88	460.47	460.62	461.14	0.038085	6.57	13.45	15.17	1.23
TRIB2	1	8012.5*	Max WS	88.64	457.44	458.94	459.11	459.64	0.041810	6.72	13.18	15.46	1.28
TRIB2	1	7970	Max WS	88.87	456.00	457.60	457.62	458.09	0.026989	5.66	15.71	17.21	1.04
TRIB2	1	7925.02*	Max WS	89.12	455.00	456.58	456.61	457.07	0.027737	5.61	15.89	18.04	1.05
TRIB2	1	7880.04*	Max WS	89.35	454.00	455.57	455.61	456.05	0.028940	5.60	15.96	18.81	1.07
TRIB2	1	7835.06*	Max WS	89.57	453.00	454.57	454.60	455.03	0.028678	5.48	16.35	19.83	1.06
TRIB2	1	7790.08*	Max WS	89.78	452.00	453.53	453.59	454.02	0.032205	5.61	16.00	20.43	1.12
TRIB2	1	7745.10*	Max WS	89.99	451.00	452.62	452.58	452.99	0.023234	4.87	18.47	22.87	0.96
TRIB2	1	7700.13	Max WS	90.18	450.00	451.42	451.58	452.02	0.047313	6.26	14.41	20.92	1.33
TRIB2	1	7653.10*	Max WS	90.39	448.22	449.69	449.86	450.32	0.046954	6.39	14.14	19.72	1.33
TRIB2	1	7606.07*	Max WS	90.60	446.44	447.95	448.15	448.67	0.051060	6.79	13.35	18.07	1.39
TRIB2	1	7559.05*	Max WS	90.86	444.65	446.26	446.45	447.01	0.049647	6.94	13.09	16.70	1.38
TRIB2	1	7512.02*	Max WS	91.11	442.87	444.53	444.79	445.45	0.058474	7.69	11.85	14.62	1.50
TRIB2	1	7465	Max WS	91.35	441.09	443.24	443.18	443.76	0.018146	5.83	16.37	15.51	0.90
TRIB2	1	7421.*	Max WS	91.56	440.56	442.58	442.52	443.08	0.018153	5.72	16.93	17.12	0.90
TRIB2	1	7377.*	Max WS	91.76	440.04	441.92	441.88	442.40	0.018224	5.60	17.58	19.14	0.90
TRIB2	1	7333.*	Max WS	91.95	439.51	441.26	441.23	441.71	0.018388	5.49	18.40	21.78	0.90
TRIB2	1	7289.*	Max WS	92.13	438.99	440.71		441.04	0.013334	4.82	22.33	28.25	0.77
TRIB2	1	7245	Max WS	92.31	438.46	439.76	439.93	440.38	0.037582	6.51	16.26	29.01	1.23
TRIB2	1	7203.65*	Max WS	92.48	437.10	438.48	438.66	439.15	0.036495	6.67	15.21	22.68	1.23
TRIB2	1	7162.30*	Max WS	92.70	435.73	437.16	437.37	437.93	0.041136	7.11	13.98	19.25	1.30
TRIB2	1	7120.95*	Max WS	92.91	434.36	436.12	436.10	436.60	0.018863	5.71	18.14	20.24	0.92
TRIB2	1	7079.61	Max WS	93.09	433.00	435.82	434.84	435.93	0.002270	2.96	39.65	27.24	0.35
TRIB2	1	7000		Bridge									
TRIB2	1	6895.13	Max WS	93.09	430.00	431.83		432.25	0.018471	5.23	18.02	18.33	0.89
TRIB2	1	6849.62*	Max WS	93.05	429.23	431.07		431.50	0.018278	5.28	17.92	18.24	0.89
TRIB2	1	6804.11*	Max WS	93.00	428.45	430.30	430.22	430.74	0.018032	5.32	17.84	18.13	0.88
TRIB2	1	6758.6*	Max WS	92.93	427.68	429.54	429.47	429.99	0.018065	5.39	17.70	18.04	0.89
TRIB2	1	6713.09*	Max WS	92.86	426.91	428.78	428.71	429.24	0.018022	5.46	17.59	17.97	0.89

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	6667.58*	Max WS	92.79	426.14	428.07		428.50	0.015864	5.32	18.29	18.26	0.84
TRIB2	1	6622.07*	Max WS	71.46	425.36	427.79		427.91	0.002912	2.87	28.71	25.28	0.38
TRIB2	1	6576.56	Max WS	71.45	424.59	427.78		427.82	0.000727	1.82	50.79	33.04	0.20
TRIB2	2	6527.5	Max WS	322.22	423.76	426.62	426.92	427.71	0.025061	8.62	43.58	41.70	1.12
TRIB2	2	6487.58*	Max WS	322.19	422.93	425.63	425.91	426.68	0.024747	8.44	43.90	41.97	1.12
TRIB2	2	6447.66*	Max WS	322.19	422.10	424.65	424.91	425.66	0.024582	8.28	44.35	42.57	1.11
TRIB2	2	6407.74*	Max WS	322.18	421.27	423.72	423.92	424.63	0.021897	7.82	47.15	44.87	1.05
TRIB2	2	6367.83	Max WS	322.17	420.44	423.06	422.93	423.60	0.011408	6.20	63.42	55.52	0.78
TRIB2	2	6321.26*	Max WS	322.57	419.79	422.53	422.41	423.07	0.011294	6.16	64.40	60.26	0.77
TRIB2	2	6274.69*	Max WS	322.97	419.14	422.01	421.91	422.55	0.011280	6.14	64.97	63.65	0.77
TRIB2	2	6228.13*	Max WS	323.36	418.50	421.49	421.41	422.02	0.011100	6.08	66.02	66.72	0.76
TRIB2	2	6181.56*	Max WS	323.75	417.85	420.95	420.91	421.50	0.011749	6.17	64.88	69.36	0.78
TRIB2	2	6135	Max WS	324.17	417.20	420.31	420.42	421.00	0.016072	6.83	55.74	66.55	0.90
TRIB2	2	6087.5*	Max WS	324.59	416.43	419.54	419.63	420.26	0.016222	6.95	53.37	59.02	0.91
TRIB2	2	6040.*	Max WS	325.01	415.66	418.76	418.86	419.51	0.016413	7.06	51.97	53.58	0.91
TRIB2	2	5992.5*	Max WS	325.43	414.89	417.98	418.05	418.75	0.016537	7.14	51.45	49.28	0.92
TRIB2	2	5945.*	Max WS	325.84	414.12	417.19	417.28	417.97	0.016625	7.21	51.62	48.25	0.92
TRIB2	2	5897.5*	Max WS	326.25	413.36	416.40	416.46	417.18	0.016772	7.28	52.15	48.70	0.93
TRIB2	2	5850.*	Max WS	326.66	412.59	415.58	415.83	416.39	0.017688	7.44	53.42	69.96	0.95
TRIB2	2	5802.5*	Max WS	327.05	411.82	414.68	414.96	415.52	0.020382	7.73	57.97	94.14	1.01
TRIB2	2	5755	Max WS	327.42	411.05	413.82	413.95	414.35	0.016252	6.76	79.30	121.41	0.90
TRIB2	2	5708.12*	Max WS	327.83	410.28	413.06	413.19	413.61	0.016262	6.79	78.94	120.06	0.90
TRIB2	2	5661.25*	Max WS	328.23	409.51	412.31	412.44	412.85	0.016058	6.78	79.02	117.77	0.90
TRIB2	2	5614.37*	Max WS	328.61	408.74	411.53	411.68	412.10	0.016934	6.93	76.62	113.65	0.92
TRIB2	2	5567.5*	Max WS	329.00	407.97	410.77	410.91	411.34	0.016979	6.94	75.96	108.96	0.92
TRIB2	2	5520.62*	Max WS	329.37	407.20	410.00	410.13	410.59	0.017661	7.06	73.74	102.85	0.94
TRIB2	2	5473.75*	Max WS	329.74	406.43	409.25	409.38	409.82	0.016864	6.95	74.16	97.00	0.92
TRIB2	2	5426.87*	Max WS	330.12	405.66	408.48	408.59	409.07	0.017504	7.06	71.83	90.52	0.94
TRIB2	2	5380	Max WS	330.53	404.89	407.88		408.29	0.011334	6.03	83.78	85.77	0.76
TRIB2	2	5330.38*	Max WS	324.81	404.21	407.20	407.26	407.72	0.012537	6.44	75.76	87.57	0.81
TRIB2	2	5280.76*	Max WS	331.37	403.53	406.52	406.56	407.14	0.013838	6.84	67.88	76.43	0.85
TRIB2	2	5231.15*	Max WS	331.78	402.85	405.83	405.93	406.51	0.014503	7.05	61.88	67.73	0.87
TRIB2	2	5181.53*	Max WS	332.18	402.17	405.10	405.19	405.84	0.015259	7.21	56.44	59.94	0.90
TRIB2	2	5131.92*	Max WS	332.59	401.49	404.37	404.40	405.12	0.015422	7.21	54.60	45.06	0.90
TRIB2	2	5082.30*	Max WS	332.99	400.81	403.63	403.65	404.38	0.015573	7.20	54.42	44.53	0.90
TRIB2	2	5032.69*	Max WS	333.39	400.12	402.90	402.91	403.64	0.015581	7.16	54.57	44.61	0.90
TRIB2	2	4983.07*	Max WS	333.79	399.44	402.17	402.17	402.90	0.015647	7.13	54.79	45.03	0.90
TRIB2	2	4933.46*	Max WS	334.21	398.76	401.44	401.44	402.16	0.015611	7.08	55.21	45.86	0.90
TRIB2	2	4883.84*	Max WS	334.63	398.08	400.70	400.70	401.42	0.015600	7.04	55.76	47.14	0.90
TRIB2	2	4834.23*	Max WS	335.05	397.40	399.97	399.98	400.68	0.015543	6.99	56.52	49.16	0.90
TRIB2	2	4784.61*	Max WS	335.47	396.72	399.25	399.26	399.94	0.015383	6.92	57.67	52.07	0.89
TRIB2	2	4735	Max WS	335.88	396.04	398.50	398.56	399.19	0.015553	6.89	58.66	55.83	0.90
TRIB2	2	4689.09*	Max WS	336.25	395.31	397.80	397.81	398.50	0.015714	6.95	56.95	50.34	0.90
TRIB2	2	4643.18*	Max WS	336.61	394.58	397.07	397.09	397.79	0.016070	7.01	56.01	48.35	0.91
TRIB2	2	4597.27*	Max WS	336.98	393.85	396.35	396.36	397.07	0.016407	7.06	55.47	47.19	0.92
TRIB2	2	4551.36*	Max WS	337.34	393.12	395.62	395.65	396.36	0.016776	7.12	55.12	47.08	0.93
TRIB2	2	4505.45*	Max WS	337.67	392.39	394.89	394.94	395.64	0.017096	7.17	54.88	47.50	0.94
TRIB2	2	4459.54*	Max WS	338.06	391.65	394.16	394.23	394.92	0.017374	7.21	54.77	48.17	0.95
TRIB2	2	4413.63*	Max WS	338.45	390.92	393.44	393.51	394.20	0.017563	7.24	54.79	49.06	0.95
TRIB2	2	4367.72*	Max WS	338.83	390.19	392.71	392.80	393.48	0.017749	7.28	54.78	50.11	0.95
TRIB2	2	4321.81*	Max WS	339.20	389.46	391.99	392.09	392.76	0.017707	7.28	55.13	51.59	0.95
TRIB2	2	4275.90*	Max WS	339.57	388.73	391.31	391.37	392.03	0.016322	7.09	57.36	53.68	0.92
TRIB2	2	4230	Max WS	339.78	388.00	390.29	390.66	391.45	0.031393	8.79	43.19	43.92	1.24
TRIB2	2	4181.29*	Max WS	328.39	386.63	389.19	389.26	389.92	0.016820	7.12	54.91	52.70	0.93
TRIB2	2	4132.59*	Max WS	322.84	385.26	388.77		388.96	0.002826	3.87	119.02	83.83	0.41
TRIB2	2	4083.89*	Max WS	322.42	383.90	388.78		388.80	0.000230	1.44	421.46	222.66	0.12
TRIB2	2	4035.18*	Max WS	321.90	382.53	388.78		388.79	0.000042	0.74	774.84	252.38	0.06
TRIB2	2	3986.48*	Max WS	321.32	381.16	388.78		388.79	0.000013	0.47	1164.30	274.73	0.03
TRIB2	2	3937.78*	Max WS	320.71	379.79	388.78		388.79	0.000005	0.34	1582.57	293.09	0.02
TRIB2	2	3889.07*	Max WS	457.62	378.42	388.78		388.78	0.000005	0.37	2011.24	299.17	0.02
TRIB2	2	3840.37*	Max WS	456.97	377.06	388.78		388.78	0.000003	0.30	2438.35	304.75	0.02
TRIB2	2	3791.67*	Max WS	456.31	375.69	388.78		388.78	0.000002	0.25	2861.44	308.22	0.01
TRIB2	2	3742.97	Max WS	455.64	374.32	388.77		388.82	0.000083	1.93	235.65	307.84	0.09
TRIB2	2	3500		Culvert									
TRIB2	2	3435.77	Max WS	455.64	369.21	373.74	373.64	375.07	0.015254	9.43	50.44	31.24	0.93
TRIB2	2	3389.32*	Max WS	455.63	369.15	373.29	373.17	374.23	0.011989	8.16	67.04	35.39	0.83
TRIB2	2	3342.88*	Max WS	455.61	369.10	372.76	372.66	373.64	0.012333	7.94	70.64	42.65	0.84
TRIB2	2	3296.44*	Max WS	455.59	369.04	372.22	372.20	373.03	0.013217	7.75	74.91	50.66	0.87
TRIB2	2	3250	Max WS	455.58	368.99	371.59	371.64	372.38	0.016444	7.83	76.60	59.06	0.95
TRIB2	2	3203.*	Max WS	455.85	368.05	370.84	370.92	371.69	0.016538	7.96	73.69	56.23	0.95
TRIB2	2	3156.*	Max WS	456.12	367.11	370.08	370.18	370.97	0.016781	8.06	71.14	53.54	0.96
TRIB2	2	3109.*	Max WS	456.38	366.18	369.31	369.41	370.23	0.017208	8.15	69.05	51.27	0.97
TRIB2	2	3062.*	Max WS	369.79	365.24	368.81		369.25	0.007182	5.69	82.80	57.42	0.64
TRIB2	2	3015	Max WS	369.90	364.30	368.78		368.97	0.002335	3.85	131.23	69.96	0.38
TRIB2	2	2970.*	Max WS	369.98	363.86	368.78		368.87	0.001006	2.83	185.17	86.66	0.26
TRIB2	2	2925.*	Max WS	370.04	363.41	368.78		368.83	0.000450	2.07	262.52	103.81	0.18
TRIB2	2	2880	Max WS	370.11	362.97	368.79		368.81	0.000213	1.52	355.72	115.54	0.12
TRIB2	2	2834.83*	Max WS	370.18	362.40	368.78		368.80	0.000146	1.37	401.77	113.85	0.10
TRIB2	2	2789.67*	Max WS	370.24	361.84	368.78		368.79	0.000104	1.24	447.86	112.39	0.09
TRIB2	2	2744.50*	Max WS	370.31	361.27	368.78		368.79	0.000077	1.13	494.19	111.17	0.08
TRIB2	2	2699.34	Max WS	370.38	360.70	368.78		368.79	0.000059	1.04	540.82	110.24	0.07

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	2653.25*	Max WS	370.44	360.07	368.78		368.78	0.000047	0.99	601.01	119.25	0.06
TRIB2	2	2607.17*	Max WS	370.51	359.45	368.78		368.78	0.000033	0.88	691.34	128.95	0.05
TRIB2	2	2561.08*	Max WS	370.56	358.82	368.78		368.78	0.000022	0.75	812.81	139.06	0.04
TRIB2	2	2515	Max WS	370.61	358.19	368.78		368.78	0.000014	0.63	965.80	149.44	0.04
TRIB2	2	2475.28*	Max WS	370.52	357.31	368.78		368.78	0.000014	0.65	974.19	151.60	0.04
TRIB2	2	2435.57*	Max WS	370.43	356.42	368.78		368.78	0.000011	0.61	1039.30	153.25	0.03
TRIB2	2	2395.85*	Max WS	370.34	355.54	368.78		368.78	0.000007	0.53	1157.98	153.64	0.03
TRIB2	2	2356.14	Max WS	370.25	354.66	368.73		368.85	0.000180	2.75	134.79	154.74	0.13
TRIB2	2	2150		Culvert									
TRIB2	2	2107.54	Max WS	365.49	352.00	355.14		355.92	0.010414	7.07	51.69	48.75	0.78
TRIB2	2	2061.69*	Max WS	364.22	351.75	355.12		355.50	0.005775	5.20	86.23	58.44	0.58
TRIB2	2	2015.84*	Max WS	361.37	351.51	354.89		355.25	0.005684	5.17	91.99	67.47	0.57
TRIB2	2	1970	Max WS	360.59	351.26	354.78		355.02	0.003936	4.44	117.95	83.48	0.48
TRIB2	2	1928.*	Max WS	360.55	350.82	354.75		354.87	0.001888	3.37	162.14	95.44	0.34
TRIB2	2	1886.*	Max WS	360.51	350.39	354.74		354.81	0.000937	2.59	219.83	111.92	0.24
TRIB2	2	1844.*	Max WS	360.46	349.95	354.73		354.77	0.000489	2.02	290.86	130.74	0.18
TRIB2	2	1802.*	Max WS	360.40	349.52	354.73		354.75	0.000266	1.59	375.07	148.89	0.13
TRIB2	2	1760	Max WS	360.34	349.08	354.73		354.74	0.000151	1.28	472.42	167.30	0.10
TRIB2	2	1717.77*	Max WS	360.40	348.51	354.72		354.74	0.000125	1.24	486.10	155.91	0.09
TRIB2	2	1675.54*	Max WS	360.46	347.94	354.72		354.73	0.000107	1.22	493.26	146.10	0.09
TRIB2	2	1633.31*	Max WS	360.54	347.37	354.72		354.73	0.000096	1.22	495.66	136.94	0.09
TRIB2	2	1591.08*	Max WS	360.61	346.80	354.71		354.72	0.000087	1.23	496.30	128.77	0.08
TRIB2	2	1548.85*	Max WS	360.69	346.23	354.71		354.72	0.000080	1.23	497.11	120.07	0.08
TRIB2	2	1506.63	Max WS	360.77	345.66	354.58		354.80	0.000674	3.75	96.12	110.51	0.23
TRIB2	2	1400		Culvert									
TRIB2	2	1336.79	Max WS	145.93	342.58	352.83		352.84	0.000011	0.53	274.89	187.68	0.03
TRIB2	2	1296.34*	Max WS	145.93	341.95	352.84		352.84	0.000001	0.18	1244.76	186.95	0.01
TRIB2	2	1255.89*	Max WS	145.92	341.33	352.84		352.84	0.000001	0.17	1328.05	185.50	0.01
TRIB2	2	1215.44*	Max WS	145.92	340.70	352.84		352.84	0.000001	0.16	1404.88	181.01	0.01
TRIB2	2	1175	Max WS	145.91	340.08	352.84		352.84	0.000001	0.15	1481.87	173.99	0.01
TRIB2	2	1125.*	Max WS	145.90	339.49	352.84		352.84	0.000001	0.14	1576.33	193.64	0.01
TRIB2	2	1075.*	Max WS	145.89	338.89	352.84		352.84	0.000000	0.13	1708.38	210.53	0.01
TRIB2	2	1025	Max WS	145.87	338.30	352.84		352.84	0.000000	0.12	1849.59	213.97	0.01
TRIB1	1	15010	Max WS	42.47	485.17	486.24	486.33	486.67	0.036316	5.32	8.36	16.05	1.16
TRIB1	1	14964.*	Max WS	42.45	483.66	484.59	484.64	484.93	0.036433	4.70	9.22	19.43	1.13
TRIB1	1	14918.*	Max WS	42.43	482.16	482.98	483.00	483.25	0.034675	4.21	10.20	23.22	1.08
TRIB1	1	14872.*	Max WS	42.40	480.65	481.32	481.39	481.63	0.054206	4.52	9.43	25.84	1.29
TRIB1	1	14826.*	Max WS	42.39	479.15	479.76	479.79	480.00	0.042906	3.96	10.79	30.28	1.15
TRIB1	1	14780	Max WS	43.80	477.64	478.17	478.21	478.41	0.048767	3.99	11.07	33.73	1.21
TRIB1	1	14731.6*	Max WS	51.61	475.53	476.16	476.27	476.56	0.076132	5.03	10.28	30.44	1.51
TRIB1	1	14683.3*	Max WS	59.12	473.42	474.17	474.34	474.74	0.106029	6.04	9.78	27.63	1.79
TRIB1	1	14635.*	Max WS	66.05	471.32	472.17	472.41	472.97	0.143812	7.19	9.19	25.12	2.09
TRIB1	1	14586.6*	Max WS	72.14	469.21	470.20	470.47	471.11	0.140803	7.65	9.43	23.03	2.11
TRIB1	1	14538.3*	Max WS	75.47	467.10	468.49	468.51	468.87	0.030442	4.90	15.40	23.10	1.06
TRIB1	1	14490	Max WS	77.64	464.99	466.39	466.56	467.01	0.056719	6.31	12.30	20.03	1.42
TRIB1	1	14445.*	Max WS	79.61	462.39	463.75	463.94	464.44	0.060794	6.66	11.96	18.99	1.48
TRIB1	1	14400.*	Max WS	81.03	459.80	461.15	461.34	461.84	0.055580	6.63	12.22	18.27	1.43
TRIB1	1	14355.*	Max WS	83.91	457.20	459.88		459.94	0.001325	2.03	46.35	36.68	0.26
TRIB1	1	14310.*	Max WS	90.31	454.61	459.88		459.89	0.000045	0.67	196.29	74.15	0.06
TRIB1	1	14265	Max WS	98.81	452.01	459.84		459.90	0.000169	1.86	53.24	78.49	0.12
TRIB1	1	14200		Culvert									
TRIB1	1	14122.5	Max WS	98.81	448.36	449.94	450.02	450.68	0.027349	6.88	14.36	24.00	1.11
TRIB1	1	14075.*	Max WS	98.63	447.14	448.69	448.71	449.13	0.025673	5.40	18.74	25.64	1.02
TRIB1	1	14027.5*	Max WS	98.27	445.92	447.43	447.48	447.89	0.027245	5.43	18.80	28.56	1.04
TRIB1	1	13980	Max WS	98.34	444.70	446.21	446.27	446.61	0.024232	5.13	21.37	39.17	0.99
TRIB1	1	13930.*	Max WS	97.59	443.38	445.00	445.05	445.42	0.024493	5.23	19.83	33.82	0.99
TRIB1	1	13880.*	Max WS	97.71	442.05	443.78	443.81	444.22	0.024826	5.32	18.91	28.16	1.00
TRIB1	1	13830.*	Max WS	98.13	440.73	442.55	442.56	443.01	0.024694	5.44	18.21	23.41	1.00
TRIB1	1	13780.*	Max WS	98.44	439.41	441.32	441.32	441.80	0.024836	5.55	17.75	19.62	1.01
TRIB1	1	13730.*	Max WS	98.55	438.08	440.06	440.07	440.58	0.025580	5.75	17.14	17.51	1.02
TRIB1	1	13680	Max WS	98.14	436.76	438.84	438.82	439.34	0.023360	5.69	17.24	16.59	0.98
TRIB1	1	13635.8*	Max WS	97.86	435.83	437.83	437.79	438.29	0.022719	5.43	18.03	18.34	0.96
TRIB1	1	13591.6*	Max WS	98.02	434.89	436.84	436.79	437.27	0.022843	5.26	18.63	19.97	0.96
TRIB1	1	13547.5*	Max WS	98.14	433.96	435.88		436.26	0.021304	4.96	19.78	21.99	0.92
TRIB1	1	13503.3*	Max WS	15.86	433.03	435.21		435.21	0.000242	0.57	27.82	27.62	0.10
TRIB1	1	13459.1*	Max WS	15.83	432.09	435.20		435.20	0.000020	0.25	74.66	63.52	0.03
TRIB1	1	13415	Max WS	15.78	431.16	435.20		435.20	0.000003	0.13	157.16	88.17	0.01
TRIB1	1	13397.3*	Max WS	134.09	431.29	435.17		435.19	0.000204	1.06	158.08	89.04	0.11
TRIB1	1	13379.6*	Max WS	133.96	431.42	435.17		435.18	0.000151	0.92	176.59	92.48	0.10
TRIB1	1	13361.9*	Max WS	133.81	431.54	435.17		435.17	0.000109	0.79	204.83	102.40	0.08
TRIB1	1	13344.3*	Max WS	133.63	431.67	435.16		435.17	0.000079	0.68	241.33	117.96	0.07
TRIB1	1	13326.64	Max WS	133.43	431.80	435.16		435.17	0.000056	0.58	285.86	133.59	0.06
TRIB1	1	13288.7*	Max WS	133.25	430.60	435.16		435.16	0.000021	0.42	417.70	154.24	0.04
TRIB1	1	13250.8*	Max WS	133.05	429.40	435.16		435.16	0.000009	0.32	584.20	176.48	0.03
TRIB1	1	13212.9*	Max WS	132.82	428.20	435.16		435.16	0.000004	0.23	828.17	202.53	0.02
TRIB1	1	13175	Max WS	132.54	427.00	435.16		435.16	0.000021	0.53	339.47	263.81	0.04
TRIB1	1	13100		Culvert									
TRIB1	1	12910	Max WS	132.54	422.00	424.81	425.07	426.02	0.037423	8.81	15.04	151.04	1.27
TRIB1	1	12866.6*	Max WS	132.86	421.60	423.73		423.89	0.017851	3.38	44.41	105.92	0.79
TRIB1	1	12823.3*	Max WS	133.18	421.20	423.06		423.22	0.017231	3.37	45.09	105.96	0.78
TRIB1	1	12780.*	Max WS	133.50	420.80	422.40		422.55	0.017082	3.39	45.32	105.33	0.78

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	12736.6*	Max WS	133.82	420.40	421.71		421.88	0.019390	3.56	43.55	103.82	0.83
TRIB1	1	12693.3*	Max WS	134.14	420.00	421.09		421.23	0.014391	3.26	48.42	105.78	0.73
TRIB1	1	12650	Max WS	134.46	419.60	420.33	420.34	420.55	0.027644	4.07	38.80	100.67	0.98
TRIB1	1	12607.5*	Max WS	134.77	418.64	419.39	419.43	419.65	0.027660	4.31	36.26	91.07	0.99
TRIB1	1	12565.*	Max WS	135.08	417.67	418.45	418.47	418.72	0.026083	4.38	34.90	76.50	0.98
TRIB1	1	12522.5*	Max WS	135.39	416.71	417.50	417.51	417.78	0.025962	4.50	33.75	68.14	0.98
TRIB1	1	12480.*	Max WS	135.70	415.75	416.56	416.57	416.85	0.024254	4.54	33.57	63.18	0.96
TRIB1	1	12437.5*	Max WS	136.01	414.78	415.60	415.62	415.92	0.026404	4.83	31.65	57.77	1.01
TRIB1	1	12395	Max WS	136.31	413.82	414.76		415.01	0.016155	4.27	36.59	57.03	0.81
TRIB1	1	12345.*	Max WS	136.32	413.04	413.97		414.22	0.015644	4.21	37.46	58.79	0.80
TRIB1	1	12295.*	Max WS	136.32	412.26	413.17		413.42	0.016725	4.29	37.21	61.14	0.82
TRIB1	1	12245.*	Max WS	136.31	411.49	412.37		412.62	0.016723	4.26	38.11	64.83	0.82
TRIB1	1	12195.*	Max WS	136.31	410.71	411.52	411.52	411.80	0.021850	4.61	35.55	66.59	0.93
TRIB1	1	12145	Max WS	136.31	409.93	410.79		410.99	0.015005	4.01	43.00	80.94	0.78
TRIB1	1	12097.*	Max WS	136.31	409.14	410.15		410.37	0.014328	4.08	39.16	63.82	0.77
TRIB1	1	12049.*	Max WS	136.30	408.35	409.45		409.70	0.014909	4.17	36.22	55.06	0.78
TRIB1	1	12001.*	Max WS	135.22	407.57	408.75		409.00	0.014192	4.08	35.28	50.72	0.76
TRIB1	1	11953.*	Max WS	136.30	406.78	407.99		408.27	0.016845	4.26	32.74	45.96	0.82
TRIB1	1	11905	Max WS	136.30	405.99	407.39		407.59	0.010326	3.61	38.33	46.55	0.66
TRIB1	1	11855.*	Max WS	144.01	405.57	406.92		407.13	0.010465	3.71	40.46	51.26	0.67
TRIB1	1	11805.*	Max WS	151.76	405.15	406.44		406.65	0.010772	3.80	42.91	56.50	0.68
TRIB1	1	11755.*	Max WS	159.51	404.74	405.95		406.16	0.010661	3.81	46.53	62.85	0.67
TRIB1	1	11705.*	Max WS	167.26	404.32	405.41		405.63	0.011921	3.95	48.58	69.23	0.71
TRIB1	1	11655	Max WS	175.01	403.90	404.99		405.14	0.007995	3.42	61.47	82.83	0.59
TRIB1	1	11608.9*	Max WS	182.04	403.47	404.61		404.78	0.008429	3.59	59.68	76.41	0.61
TRIB1	1	11562.9*	Max WS	189.08	403.03	404.20		404.39	0.008889	3.71	59.96	76.73	0.63
TRIB1	1	11516.9*	Max WS	196.11	402.60	403.79		403.98	0.009040	3.76	62.26	81.36	0.63
TRIB1	1	11470.9*	Max WS	203.14	402.16	403.30		403.52	0.011425	4.05	61.33	90.09	0.70
TRIB1	1	11424.96	Max WS	210.16	401.73	402.96		403.08	0.006760	3.27	90.12	154.95	0.55
TRIB1	1	11378.9*	Max WS	217.05	401.36	402.61		402.76	0.007635	3.53	79.44	116.10	0.58
TRIB1	1	11332.9*	Max WS	223.93	400.99	402.24		402.41	0.007711	3.59	75.79	93.83	0.59
TRIB1	1	11286.9*	Max WS	230.82	400.61	401.87		402.04	0.008017	3.68	74.51	87.52	0.60
TRIB1	1	11240.9*	Max WS	237.70	400.24	401.48		401.66	0.008216	3.73	75.00	86.39	0.61
TRIB1	1	11195	Max WS	244.59	399.87	400.99		401.21	0.011636	4.15	69.45	88.51	0.71
TRIB1	1	11153.3*	Max WS	251.33	399.24	400.40		400.68	0.013456	4.65	65.61	84.90	0.77
TRIB1	1	11111.6*	Max WS	257.47	398.60	399.82	399.75	400.17	0.016582	5.35	68.08	135.28	0.87
TRIB1	1	11070	Max WS	264.80	397.97	399.52		399.57	0.002724	2.57	153.09	173.15	0.37
TRIB1	1	11023.7*	Max WS	271.34	397.46	399.11		399.39	0.008981	4.64	72.80	75.92	0.66
TRIB1	1	10977.5*	Max WS	277.90	396.96	398.66		398.97	0.009845	4.71	67.58	64.79	0.69
TRIB1	1	10931.2*	Max WS	284.46	396.45	398.22		398.53	0.010016	4.62	67.64	64.70	0.69
TRIB1	1	10884.9*	Max WS	291.02	395.95	397.78		398.08	0.010028	4.50	69.03	65.65	0.69
TRIB1	1	10838.7*	Max WS	297.58	395.44	397.34		397.63	0.009902	4.35	71.21	67.44	0.68
TRIB1	1	10792.4*	Max WS	304.14	394.93	396.91		397.19	0.009839	4.23	73.54	69.05	0.67
TRIB1	1	10746.2*	Max WS	310.70	394.43	396.48		396.74	0.009828	4.13	75.91	69.93	0.67
TRIB1	1	10699.98	Max WS	317.26	393.92	396.10		396.33	0.008480	3.86	82.29	71.61	0.62
TRIB1	1	10655.9*	Max WS	324.14	393.56	395.75		395.98	0.008432	3.91	83.35	73.65	0.62
TRIB1	1	10611.9*	Max WS	306.04	393.20	395.46		395.65	0.006050	3.47	89.76	80.96	0.53
TRIB1	1	10567.9*	Max WS	307.80	392.84	395.32		395.45	0.003468	2.93	113.30	111.95	0.41
TRIB1	1	10524.*	Max WS	311.72	392.48	395.26		395.33	0.001556	2.23	171.97	166.71	0.29
TRIB1	1	10480	Max WS	317.73	392.12	395.24		395.27	0.000594	1.55	272.53	209.27	0.18
TRIB1	1	10440.0*	Max WS	317.57	390.75	395.24		395.25	0.000151	1.01	426.29	210.76	0.10
TRIB1	1	10400.0*	Max WS	317.41	389.37	395.24		395.25	0.000061	0.77	568.59	212.42	0.06
TRIB1	1	10360.08	Max WS	317.16	388.00	395.15		395.31	0.000617	3.19	99.49	299.97	0.22
TRIB1	1	10200		Culvert									
TRIB1	1	10160	Max WS	255.86	387.00	391.86		392.15	0.002505	4.32	59.18	121.22	0.38
TRIB1	1	10111.6*	Max WS	259.73	386.81	391.96		392.01	0.000686	2.15	188.26	125.30	0.20
TRIB1	1	10063.3*	Max WS	259.70	386.62	391.94		391.99	0.000547	2.03	204.00	136.08	0.19
TRIB1	1	10015	Max WS	259.67	386.43	391.93		391.96	0.000302	1.59	249.24	117.18	0.14
TRIB1	1	9966.25*	Max WS	301.79	385.96	391.90		391.95	0.000385	1.88	259.82	180.47	0.16
TRIB1	1	9917.5*	Max WS	301.76	385.49	391.90		391.92	0.000196	1.40	384.14	214.07	0.12
TRIB1	1	9868.75*	Max WS	301.73	385.02	391.91		391.91	0.000075	0.90	568.03	223.07	0.07
TRIB1	1	9820	Max WS	301.70	384.55	391.91		391.91	0.000030	0.59	788.44	226.17	0.05
TRIB1	1	9777.*	Max WS	301.78	384.19	391.90		391.91	0.000058	0.87	598.17	222.00	0.07
TRIB1	1	9734.*	Max WS	301.85	383.83	391.90		391.91	0.000075	1.04	497.44	201.42	0.08
TRIB1	1	9691.*	Max WS	301.93	383.47	391.89		391.90	0.000060	0.97	504.09	165.90	0.07
TRIB1	1	9648.*	Max WS	302.01	383.11	391.89		391.90	0.000038	0.80	599.71	157.53	0.05
TRIB1	1	9605	Max WS	302.09	382.75	391.89		391.90	0.000024	0.66	727.51	164.10	0.04
TRIB1	1	9555.*	Max WS	302.19	382.73	391.89		391.90	0.000022	0.67	723.33	163.95	0.04
TRIB1	1	9505.*	Max WS	302.28	382.71	391.89		391.90	0.000018	0.62	793.33	169.79	0.04
TRIB1	1	9455	Max WS	302.37	382.69	391.89		391.89	0.000012	0.53	893.84	158.30	0.03
TRIB1	1	9407.5*	Max WS	302.46	382.36	391.89		391.89	0.000011	0.51	918.10	155.79	0.03
TRIB1	1	9360.*	Max WS	302.56	382.02	391.89		391.89	0.000010	0.50	941.04	152.91	0.03
TRIB1	1	9312.5*	Max WS	302.65	381.69	391.89		391.89	0.000009	0.49	962.62	149.87	0.03
TRIB1	1	9265	Max WS	302.74	381.36	391.89		391.89	0.000008	0.48	982.58	146.62	0.03
TRIB1	1	9258.09*	Max WS	302.83	381.23	391.89		391.89	0.000008	0.47	986.57	145.83	0.03
TRIB1	1	9251.18*	Max WS	302.91	381.10	391.89		391.89	0.000007	0.46	995.39	145.03	0.03
TRIB1	1	9244.28*	Max WS	303.00	380.97	391.89		391.89	0.000007	0.45	1009.63	144.29	0.02
TRIB1	1	9237.37*	Max WS	303.09	380.83	391.89		391.89	0.000006	0.43	1028.94	143.56	0.02
TRIB1	1	9230.46*	Max WS	303.18	380.70	391.89		391.89	0.000006	0.42	1052.88	142.86	0.02
TRIB1	1	9223.56*	Max WS	303.27	380.57	391.89		391.89	0.000005	0.40	1081.77	142.23	0.02
TRIB1	1	9216.65*	Max WS	303.36	380.44	391.89		391.89	0.000004	0.38	1115.77	141.59	0.02

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	9209.75	Max WS	303.45	380.31	391.85		391.94	0.000167	2.42	125.16	141.09	0.13
TRIB1	1	9100		Culvert									
TRIB1	1	9036.32	Max WS	303.45	380.00	382.81	383.23	384.77	0.027989	11.24	26.99	40.88	1.26
TRIB1	1	8992.54*	Max WS	303.55	378.98	381.96		382.56	0.013141	6.22	50.24	32.95	0.82
TRIB1	1	8948.77*	Max WS	303.65	377.96	381.53		382.07	0.009464	5.98	54.00	32.73	0.71
TRIB1	1	8905	Max WS	303.75	376.94	381.31		381.72	0.005630	5.34	69.30	43.81	0.56
TRIB1	1	8862.5*	Max WS	303.86	376.91	381.09		381.50	0.005813	5.41	69.98	44.96	0.57
TRIB1	1	8820.*	Max WS	303.96	376.88	380.88		381.28	0.005894	5.44	71.35	46.40	0.58
TRIB1	1	8777.5*	Max WS	304.07	376.85	380.65		381.05	0.006060	5.49	72.35	47.72	0.59
TRIB1	1	8735.*	Max WS	304.17	376.81	380.41		380.81	0.006221	5.52	73.70	49.33	0.60
TRIB1	1	8692.5*	Max WS	304.28	376.78	380.18		380.56	0.006369	5.54	75.32	51.30	0.61
TRIB1	1	8650	Max WS	304.38	376.75	379.95		380.31	0.006294	5.46	78.73	54.51	0.60
TRIB1	1	8606.66*	Max WS	306.83	376.50	379.59		380.02	0.007494	5.61	67.14	44.84	0.65
TRIB1	1	8563.33*	Max WS	306.94	376.25	379.25		379.69	0.008065	5.48	62.45	40.10	0.66
TRIB1	1	8520	Max WS	307.05	376.00	378.87		379.32	0.009243	5.44	59.21	37.80	0.69
TRIB1	1	8471.42*	Max WS	307.16	375.67	378.46		378.90	0.009184	5.34	60.78	40.66	0.69
TRIB1	1	8422.85*	Max WS	307.28	375.33	378.05		378.47	0.009193	5.26	62.35	43.87	0.69
TRIB1	1	8374.28*	Max WS	307.40	375.00	377.66		378.05	0.008907	5.12	64.79	47.56	0.68
TRIB1	1	8325.71*	Max WS	307.50	374.67	377.23		377.62	0.009266	5.10	65.76	51.16	0.69
TRIB1	1	8277.14*	Max WS	307.50	374.34	376.80		377.18	0.009576	5.07	67.00	55.05	0.69
TRIB1	1	8228.57*	Max WS	304.19	374.00	376.43		376.77	0.008496	4.78	71.84	60.62	0.65
TRIB1	1	8180	Max WS	298.17	373.67	376.20		376.43	0.005413	4.02	86.98	69.38	0.53
TRIB1	1	8139.*	Max WS	294.45	372.96	376.09		376.25	0.003039	3.35	101.68	69.94	0.41
TRIB1	1	8098.*	Max WS	292.46	372.25	376.04		376.14	0.001668	2.74	125.49	77.67	0.31
TRIB1	1	8057.*	Max WS	291.87	371.53	376.01		376.09	0.000963	2.27	158.84	102.09	0.24
TRIB1	1	8016.*	Max WS	292.03	370.82	376.01		376.05	0.000537	1.83	217.22	144.37	0.18
TRIB1	1	7975	Max WS	292.20	370.11	376.00		376.03	0.000291	1.44	293.68	166.85	0.14
TRIB1	1	7926.42*	Max WS	316.00	369.89	375.99		376.01	0.000255	1.46	314.02	153.09	0.13
TRIB1	1	7877.85*	Max WS	316.18	369.67	375.98		376.00	0.000205	1.41	327.05	140.05	0.12
TRIB1	1	7829.28*	Max WS	316.38	369.45	375.97		375.99	0.000174	1.40	334.80	129.72	0.11
TRIB1	1	7780.71*	Max WS	315.98	369.22	375.96		375.98	0.000154	1.39	341.02	122.14	0.11
TRIB1	1	7732.14*	Max WS	316.78	369.00	375.96		375.98	0.000138	1.39	354.38	119.63	0.10
TRIB1	1	7683.57*	Max WS	316.36	368.78	375.95		375.97	0.000116	1.34	376.74	113.44	0.09
TRIB1	1	7635	Max WS	316.55	368.56	375.95		375.96	0.000092	1.25	398.09	100.14	0.09
TRIB1	1	7585.*	Max WS	316.75	368.34	375.95		375.96	0.000068	1.08	452.11	110.07	0.07
TRIB1	1	7535.*	Max WS	316.94	368.13	375.95		375.96	0.000051	0.95	511.27	120.25	0.06
TRIB1	1	7485.*	Max WS	317.14	367.91	375.95		375.95	0.000038	0.83	575.09	130.10	0.06
TRIB1	1	7435.*	Max WS	317.34	367.70	375.95		375.95	0.000029	0.73	643.93	139.75	0.05
TRIB1	1	7385	Max WS	317.53	367.48	375.95		375.95	0.000023	0.65	717.11	149.48	0.04
TRIB1	1	7335.83*	Max WS	317.72	366.90	375.94		375.95	0.000016	0.58	844.03	172.54	0.04
TRIB1	1	7286.66*	Max WS	317.91	366.32	375.94		375.95	0.000011	0.51	1001.95	198.91	0.03
TRIB1	1	7237.5*	Max WS	318.10	365.74	375.95		375.95	0.000008	0.44	1192.63	223.30	0.03
TRIB1	1	7188.33*	Max WS	318.28	365.16	375.95		375.95	0.000005	0.38	1415.35	248.30	0.02
TRIB1	1	7139.16*	Max WS	318.46	364.58	375.95		375.95	0.000004	0.33	1671.60	273.50	0.02
TRIB1	1	7090	Max WS	318.63	364.00	375.95		375.95	0.000002	0.28	1960.62	298.57	0.02
TRIB1	1	7044.28*	Max WS	318.79	363.55	375.94		375.95	0.000003	0.30	1860.75	282.42	0.02
TRIB1	1	6998.57*	Max WS	318.95	363.11	375.94		375.95	0.000003	0.31	1787.70	265.91	0.02
TRIB1	1	6952.85*	Max WS	319.12	362.66	375.94		375.95	0.000002	0.31	1742.93	249.02	0.02
TRIB1	1	6907.14*	Max WS	319.28	362.22	375.94		375.95	0.000002	0.30	1727.78	231.81	0.01
TRIB1	1	6861.42*	Max WS	319.45	361.77	375.94		375.95	0.000002	0.28	1742.53	213.15	0.01
TRIB1	1	6815.71*	Max WS	319.62	361.33	375.94		375.95	0.000002	0.27	1783.05	198.33	0.01
TRIB1	1	6770	Max WS	319.80	360.88	375.94		375.94	0.000001	0.25	1842.14	187.27	0.01
TRIB1	1	6721.48*	Max WS	419.31	359.92	375.94		375.94	0.000001	0.26	2206.94	215.44	0.01
TRIB1	1	6672.96*	Max WS	419.28	358.96	375.94		375.94	0.000001	0.21	2592.08	244.12	0.01
TRIB1	1	6624.45	Max WS	419.24	358.00	375.93		375.96	0.000033	1.46	286.90	273.30	0.06
TRIB1	1	6400		Culvert									
TRIB1	1	6265	Max WS	419.23	356.64	360.42		361.11	0.009391	6.69	62.87	47.98	0.72
TRIB1	1	6217.5*	Max WS	419.15	356.10	360.18		360.72	0.007450	6.01	78.35	50.71	0.65
TRIB1	1	6170.*	Max WS	418.76	355.55	359.86		360.39	0.006766	5.98	80.73	51.21	0.62
TRIB1	1	6122.5*	Max WS	417.98	355.01	359.61		360.09	0.005718	5.80	86.42	53.34	0.58
TRIB1	1	6075	Max WS	415.25	354.47	359.43		359.85	0.004413	5.43	96.79	57.22	0.51
TRIB1	1	6036.25*	Max WS	430.36	354.59	359.27		359.66	0.004217	5.15	100.21	56.39	0.50
TRIB1	1	5997.5*	Max WS	430.36	354.71	359.16		359.50	0.003839	4.75	104.83	56.98	0.48
TRIB1	1	5958.75*	Max WS	430.36	354.83	359.04		359.35	0.003783	4.51	107.20	57.75	0.47
TRIB1	1	5920	Max WS	430.35	354.95	358.90		359.19	0.004073	4.43	106.70	58.68	0.48
TRIB1	1	5871.25*	Max WS	430.62	354.76	358.65		359.00	0.004689	4.87	99.31	54.61	0.52
TRIB1	1	5822.5*	Max WS	430.92	354.57	358.32		358.78	0.006236	5.61	90.00	53.59	0.60
TRIB1	1	5773.75*	Max WS	431.19	354.37	357.77	357.69	358.46	0.011342	7.09	78.15	60.24	0.80
TRIB1	1	5725	Max WS	431.47	354.18	357.66		357.88	0.004875	4.82	134.75	80.56	0.52
TRIB1	1	5685.*	Max WS	431.71	353.76	357.42		357.71	0.005093	5.20	124.23	73.54	0.54
TRIB1	1	5645.*	Max WS	431.93	353.33	357.21		357.53	0.004920	5.39	117.67	67.54	0.54
TRIB1	1	5605	Max WS	432.17	352.91	357.03		357.37	0.004204	5.28	116.32	61.61	0.50
TRIB1	1	5562.*	Max WS	432.41	352.79	356.79		357.19	0.005011	5.66	104.50	56.54	0.55
TRIB1	1	5519.*	Max WS	432.66	352.66	356.50		356.98	0.006090	6.07	94.42	52.81	0.60
TRIB1	1	5476.*	Max WS	432.91	352.54	356.17		356.75	0.007806	6.57	86.22	55.58	0.68
TRIB1	1	5433.*	Max WS	433.15	352.41	355.79	355.71	356.43	0.009820	6.94	86.74	78.37	0.75
TRIB1	1	5390	Max WS	433.40	352.29	355.74		355.95	0.004000	4.53	162.15	127.47	0.48
TRIB1	1	5343.*	Max WS	433.65	351.86	355.17		355.80	0.010094	6.88	81.91	56.53	0.76
TRIB1	1	5296.*	Max WS	433.90	351.43	354.71	354.57	355.37	0.010736	6.98	79.89	55.73	0.78
TRIB1	1	5249.*	Max WS	434.15	351.00	354.31		354.91	0.009969	6.71	84.77	60.38	0.75
TRIB1	1	5202.*	Max WS	434.40	350.57	354.03		354.48	0.007418	5.95	99.16	67.19	0.65

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	5155	Max WS	434.65	350.14	353.92		354.19	0.004107	4.74	129.79	76.70	0.49
TRIB1	1	5108.75*	Max WS	434.95	349.93	353.73		354.00	0.004194	4.96	128.40	71.79	0.50
TRIB1	1	5062.5*	Max WS	435.25	349.73	353.50		353.80	0.004648	5.37	123.53	66.84	0.53
TRIB1	1	5016.25*	Max WS	345.71	349.52	353.23		353.45	0.003603	4.81	115.32	62.16	0.47
TRIB1	1	4970	Max WS	336.16	349.31	353.07		353.27	0.003572	4.97	117.48	62.03	0.47
TRIB1	1	4926.66*	Max WS	331.84	348.97	352.98		353.14	0.002213	4.20	132.22	63.61	0.38
TRIB1	1	4883.33*	Max WS	328.81	348.63	352.93		353.05	0.001347	3.50	151.03	65.65	0.30
TRIB1	1	4840	Max WS	325.80	348.29	352.90		352.99	0.000824	2.92	173.27	68.18	0.24
TRIB1	1	4798.*	Max WS	325.85	347.89	352.88		352.96	0.000641	2.67	189.77	70.64	0.21
TRIB1	1	4756.*	Max WS	324.41	347.49	352.87		352.93	0.000492	2.43	207.89	73.16	0.19
TRIB1	1	4714.*	Max WS	324.46	347.08	352.86		352.91	0.000380	2.23	227.71	75.72	0.17
TRIB1	1	4672.*	Max WS	324.50	346.68	352.85		352.90	0.000295	2.04	248.93	78.26	0.15
TRIB1	1	4630	Max WS	323.11	346.28	352.85		352.88	0.000226	1.86	271.12	78.98	0.13
TRIB1	1	4582.*	Max WS	323.17	345.93	352.84		352.87	0.000167	1.65	305.62	83.92	0.11
TRIB1	1	4534.*	Max WS	323.23	345.58	352.84		352.86	0.000123	1.46	344.61	89.65	0.10
TRIB1	1	4486.*	Max WS	323.28	345.22	352.84		352.86	0.000092	1.30	389.82	97.33	0.09
TRIB1	1	4438.*	Max WS	323.34	344.87	352.84		352.85	0.000068	1.15	446.83	109.44	0.07
TRIB1	1	4390	Max WS	323.39	344.52	352.84		352.85	0.000047	0.99	520.96	118.59	0.06
TRIB1	1	4341.25*	Max WS	323.44	343.89	352.84		352.84	0.000031	0.84	623.74	131.34	0.05
TRIB1	1	4292.5*	Max WS	323.49	343.26	352.84		352.84	0.000020	0.72	737.02	144.96	0.04
TRIB1	1	4243.75*	Max WS	323.54	342.63	352.84		352.84	0.000014	0.62	861.01	158.94	0.04
TRIB1	1	4195	Max WS	323.58	342.00	352.84		352.84	0.000010	0.54	996.37	173.24	0.03
TRIB1	1	4147.5*	Max WS	323.64	341.61	352.84		352.84	0.000012	0.59	930.10	169.83	0.03
TRIB1	1	4100.*	Max WS	323.69	341.21	352.84		352.84	0.000012	0.60	913.21	163.81	0.03
TRIB1	1	4052.5*	Max WS	323.75	340.82	352.84		352.84	0.000011	0.57	944.27	160.36	0.03
TRIB1	1	4005	Max WS	323.80	340.42	352.84		352.84	0.000010	0.52	1007.82	161.98	0.03
TRIB1	1	3955.*	Max WS	323.86	340.99	352.84		352.84	0.000009	0.51	1009.02	151.48	0.03
TRIB1	1	3905	Max WS	323.91	341.56	352.84		352.84	0.000008	0.49	993.21	140.93	0.03
TRIB1	1	3856.25*	Max WS	323.90	341.04	352.84		352.84	0.000009	0.54	937.22	133.65	0.03
TRIB1	1	3807.5*	Max WS	323.89	340.52	352.83		352.84	0.000010	0.58	916.66	130.88	0.03
TRIB1	1	3758.75*	Max WS	323.88	340.01	352.83		352.84	0.000009	0.59	941.07	132.17	0.03
TRIB1	1	3710	Max WS	323.86	339.49	352.83		352.84	0.000008	0.56	1020.37	137.89	0.03
TRIB1	1	3666.*	Max WS	323.85	339.25	352.83		352.84	0.000005	0.44	1280.12	172.51	0.02
TRIB1	1	3622.*	Max WS	323.82	339.02	352.83		352.84	0.000003	0.35	1555.65	209.92	0.02
TRIB1	1	3578.	Max WS	323.79	338.78	352.83		352.84	0.000002	0.30	1851.18	251.43	0.01
TRIB1	2	3534.	Max WS	469.67	338.15	352.83		352.84	0.000004	0.40	2221.12	302.22	0.02
TRIB1	2	3490	Max WS	469.64	337.96	352.83		352.84	0.000002	0.34	2661.10	364.12	0.02
TRIB1	2	3441.18*	Max WS	469.74	337.67	352.83		352.84	0.000003	0.35	2557.29	339.28	0.02
TRIB1	2	3392.36*	Max WS	469.84	337.38	352.83		352.84	0.000003	0.36	2441.41	314.18	0.02
TRIB1	2	3343.55*	Max WS	469.94	337.08	352.83		352.83	0.000003	0.38	2314.87	289.42	0.02
TRIB1	2	3294.73*	Max WS	470.04	336.79	352.83		352.83	0.000003	0.40	2177.74	265.60	0.02
TRIB1	2	3245.91*	Max WS	470.14	336.50	352.83		352.83	0.000004	0.44	2032.30	244.30	0.02
TRIB1	2	3197.1	Max WS	470.24	336.21	352.83	339.93	352.83	0.000004	0.48	1884.35	229.23	0.02
TRIB1	2	3100		Bridge									
TRIB1	2	3033.95	Max WS	470.24	336.09	352.83		352.83	0.000003	0.39	2125.17	243.01	0.02
TRIB1	2	2989.39*	Max WS	470.22	335.91	352.83		352.83	0.000003	0.38	2219.43	249.02	0.02
TRIB1	2	2944.84*	Max WS	470.19	335.73	352.83		352.83	0.000002	0.36	2316.10	250.82	0.02
TRIB1	2	2900.28*	Max WS	470.17	335.56	352.83		352.83	0.000002	0.35	2414.42	252.62	0.02
TRIB1	2	2855.73*	Max WS	470.15	335.38	352.83		352.83	0.000002	0.34	2514.20	254.42	0.01
TRIB1	2	2811.17*	Max WS	470.12	335.20	352.83		352.83	0.000002	0.32	2615.74	256.23	0.01
TRIB1	2	2766.62*	Max WS	470.10	335.02	352.83		352.83	0.000002	0.31	2718.99	258.03	0.01
TRIB1	2	2722.06*	Max WS	470.07	334.85	352.83		352.83	0.000001	0.30	2823.65	259.83	0.01
TRIB1	2	2677.51*	Max WS	470.05	334.67	352.83		352.83	0.000001	0.29	2929.84	261.63	0.01
TRIB1	2	2632.96	Max WS	470.02	334.49	352.83		352.83	0.000001	0.27	3037.77	263.43	0.01
TRIB1	2	2585.95*	Max WS	469.99	333.99	352.83		352.83	0.000001	0.25	3298.23	279.83	0.01
TRIB1	2	2538.94*	Max WS	469.96	333.49	352.83		352.83	0.000001	0.23	3570.87	296.23	0.01
TRIB1	2	2491.94*	Max WS	469.93	333.00	352.83		352.83	0.000001	0.21	3855.87	312.64	0.01
TRIB1	2	2444.93*	Max WS	469.91	332.50	352.83		352.83	0.000001	0.19	4152.86	329.04	0.01
TRIB1	2	2397.93	Max WS	469.87	332.00	352.82		352.87	0.000047	1.90	247.01	345.44	0.07
TRIB1	2	2200		Culvert									
TRIB1	2	2065	Max WS	469.86	330.41	333.87		335.03	0.013201	8.74	55.85	54.74	0.90
TRIB1	2	1965	Max WS	469.85	330.41	333.46		333.75	0.004823	4.64	130.50	87.18	0.52
TRIB1	2	1915.*	Max WS	469.70	330.01	333.18		333.50	0.005343	4.82	120.89	83.50	0.55
TRIB1	2	1865.*	Max WS	468.69	329.60	332.89		333.23	0.005650	4.90	115.66	84.10	0.56
TRIB1	2	1815	Max WS	466.03	329.20	332.64		332.95	0.005130	4.68	120.94	91.39	0.54
TRIB1	2	1770.*	Max WS	281.95	328.71	332.55		332.65	0.001298	2.66	134.11	82.37	0.28
TRIB1	2	1725.*	Max WS	488.04	328.22	332.18		332.55	0.004577	5.21	121.73	72.67	0.53
TRIB1	2	1680.*	Max WS	490.08	327.72	331.90		332.35	0.005237	5.91	114.48	66.68	0.57
TRIB1	2	1635	Max WS	490.08	327.23	331.29	331.26	332.16	0.010797	8.35	84.80	54.00	0.81
TRIB1	2	1595.*	Max WS	490.08	326.85	330.82	330.73	331.70	0.010892	8.11	80.24	48.53	0.81
TRIB1	2	1555.*	Max WS	490.08	326.47	330.46		331.23	0.009429	7.47	82.59	46.48	0.75
TRIB1	2	1515.*	Max WS	490.08	326.08	330.25		330.84	0.006786	6.48	92.81	47.67	0.64
TRIB1	2	1475	Max WS	490.07	325.70	330.16		330.58	0.004390	5.45	109.16	50.56	0.52
TRIB1	2	1435.00*	Max WS	490.07	325.99	330.05		330.40	0.003914	4.98	116.31	54.73	0.49
TRIB1	2	1395.01	Max WS	490.06	326.28	329.93		330.25	0.003767	4.67	121.58	58.71	0.48
TRIB1	2	1347.50*	Max WS	490.27	326.35	329.70		330.05	0.004984	5.01	120.16	77.21	0.54
TRIB1	2	1300	Max WS	490.49	326.43	329.56		329.83	0.004298	4.57	146.35	105.30	0.50
TRIB1	2	1263.33*	Max WS	490.29	326.11	329.32		329.67	0.005778	5.37	140.73	123.38	0.58
TRIB1	2	1226.66*	Max WS	490.13	325.79	328.96	329.01	329.46	0.009886	6.84	128.47	144.36	0.75
TRIB1	2	1190	Max WS	489.84	325.47	328.66		329.03	0.011235	7.03	144.08	159.07	0.77
ALDER	1	17980	Max WS	276.86	344.61	348.62		348.83	0.004801	3.97	93.40	96.90	0.43

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17934.1*	Max WS	276.79	344.54	348.44		348.67	0.005322	4.19	86.61	91.90	0.46
ALDER	1	17888.3*	Max WS	276.79	344.46	348.23		348.48	0.005618	4.29	82.39	79.95	0.47
ALDER	1	17842.5*	Max WS	276.78	344.39	347.98		348.23	0.005913	4.33	78.48	60.32	0.48
ALDER	1	17796.6*	Max WS	276.76	344.32	347.71		347.97	0.006409	4.42	77.16	59.36	0.50
ALDER	1	17750.8*	Max WS	276.75	344.24	347.47		347.71	0.006450	4.37	78.69	60.67	0.50
ALDER	1	17705	Max WS	276.74	344.17	347.26		347.47	0.005950	4.16	83.31	63.76	0.48
ALDER	1	17663.7*	Max WS	277.07	343.76	346.98		347.23	0.006747	4.60	78.05	62.53	0.52
ALDER	1	17622.5*	Max WS	277.39	343.35	346.66		347.01	0.008838	5.39	73.89	82.34	0.59
ALDER	1	17581.2*	Max WS	277.73	342.93	346.33		346.66	0.009044	5.54	77.28	86.53	0.60
ALDER	1	17540	Max WS	278.05	342.52	346.16		346.35	0.005807	4.63	100.23	105.78	0.48
ALDER	1	17490.4*	Max WS	278.41	342.38	345.88		346.07	0.005957	4.62	95.08	92.08	0.49
ALDER	1	17440.9*	Max WS	278.77	342.24	345.60		345.80	0.006270	4.66	92.41	88.52	0.50
ALDER	1	17391.3*	Max WS	279.12	342.11	345.33		345.54	0.006508	4.67	90.92	86.84	0.51
ALDER	1	17341.8*	Max WS	279.50	341.97	345.08		345.28	0.006548	4.62	90.54	85.28	0.51
ALDER	1	17292.2*	Max WS	279.87	341.83	344.83		345.02	0.006441	4.52	91.09	84.21	0.50
ALDER	1	17242.7*	Max WS	280.24	341.69	344.58		344.77	0.006245	4.40	92.18	83.33	0.50
ALDER	1	17193.1*	Max WS	280.61	341.55	344.34		344.52	0.006001	4.25	93.62	82.55	0.49
ALDER	1	17143.6*	Max WS	280.97	341.41	344.09		344.26	0.005787	4.12	95.00	81.86	0.48
ALDER	1	17094.0*	Max WS	281.31	341.28	343.82		343.99	0.005977	4.08	94.04	80.52	0.48
ALDER	1	17044.5*	Max WS	281.69	341.14	343.54		343.71	0.006154	4.03	93.20	79.13	0.49
ALDER	1	16995	Max WS	282.06	341.00	343.28		343.44	0.006180	3.94	93.19	77.99	0.48
ALDER	1	16950.8*	Max WS	282.41	340.58	343.01		343.17	0.006496	4.03	94.38	85.17	0.49
ALDER	1	16906.6*	Max WS	282.76	340.17	342.70		342.88	0.007214	4.17	92.57	89.08	0.52
ALDER	1	16862.5*	Max WS	283.10	339.76	342.36		342.56	0.008335	4.36	88.55	90.76	0.55
ALDER	1	16818.3*	Max WS	283.44	339.34	342.03		342.23	0.008824	4.35	84.98	85.27	0.56
ALDER	1	16774.1*	Max WS	283.78	338.93	341.69		341.89	0.008823	4.21	82.83	78.12	0.56
ALDER	1	16730	Max WS	284.12	338.51	341.32		341.54	0.009349	4.14	78.69	70.96	0.56
ALDER	1	16684.2*	Max WS	284.46	338.02	340.94		341.17	0.009849	4.36	76.47	67.78	0.58
ALDER	1	16638.5*	Max WS	284.81	337.54	340.55		340.80	0.009978	4.51	75.50	66.66	0.59
ALDER	1	16592.8*	Max WS	285.15	337.05	340.17		340.43	0.010094	4.64	74.49	66.67	0.60
ALDER	1	16547.1*	Max WS	285.48	336.57	339.78		340.06	0.009887	4.70	73.89	67.22	0.60
ALDER	1	16501.4*	Max WS	285.82	336.08	339.39		339.69	0.009508	4.70	73.25	67.78	0.59
ALDER	1	16455.7*	Max WS	286.16	335.60	338.99		339.30	0.009077	4.68	72.19	67.40	0.58
ALDER	1	16410	Max WS	286.49	335.11	338.62		338.91	0.007907	4.48	73.33	63.88	0.54
ALDER	1	16364.1*	Max WS	286.83	334.74	338.26		338.56	0.007982	4.55	73.35	64.57	0.55
ALDER	1	16318.3*	Max WS	287.18	334.37	337.90		338.20	0.008013	4.61	73.34	63.79	0.55
ALDER	1	16272.5*	Max WS	287.53	334.01	337.54		337.84	0.008011	4.66	73.46	62.64	0.55
ALDER	1	16226.6*	Max WS	287.87	333.64	337.17		337.48	0.008113	4.73	73.21	61.94	0.55
ALDER	1	16180.8*	Max WS	288.22	333.27	336.80		337.11	0.008257	4.82	73.00	62.37	0.56
ALDER	1	16135	Max WS	288.55	332.90	336.51		336.78	0.007127	4.62	79.17	70.03	0.52
ALDER	1	16089.*	Max WS	288.87	332.83	336.15		336.48	0.009112	5.10	73.84	74.28	0.59
ALDER	1	16043.*	Max WS	289.20	332.75	335.82		336.16	0.010058	5.27	73.98	79.15	0.62
ALDER	1	15997.*	Max WS	289.54	332.68	335.48		335.76	0.009225	4.95	77.33	70.36	0.59
ALDER	1	15951.*	Max WS	289.88	332.60	335.09		335.34	0.009171	4.75	78.98	68.40	0.59
ALDER	1	15905	Max WS	287.81	332.53	334.81		334.99	0.006558	3.99	88.92	68.35	0.50
ALDER	1	15856.*	Max WS	290.59	331.89	334.40		334.63	0.008974	4.67	81.78	73.53	0.58
ALDER	1	15807.*	Max WS	290.96	331.25	334.05		334.30	0.009361	4.87	82.78	110.95	0.59
ALDER	1	15758.*	Max WS	291.33	330.62	333.72		333.94	0.008086	4.62	89.06	137.59	0.55
ALDER	1	15709.*	Max WS	290.30	329.98	333.56		333.69	0.004120	3.52	113.15	156.74	0.39
ALDER	1	15660	Max WS	292.09	329.34	332.84	333.10	333.74	0.026194	8.04	44.16	146.67	0.96
ALDER	1	15611.2*	Max WS	292.08	328.45	331.87	331.86	332.31	0.015293	6.10	64.40	126.06	0.74
ALDER	1	15562.5*	Max WS	292.06	327.57	331.08	331.24	331.79	0.018830	7.10	50.20	83.02	0.83
ALDER	1	15513.7*	Max WS	291.96	326.68	330.30	330.03	330.97	0.015312	6.70	48.53	75.65	0.76
ALDER	1	15465	Max WS	120.69	325.80	329.81		329.87	0.001211	2.12	65.28	86.07	0.22
ALDER	1	15426.2*	Max WS	338.56	325.47	329.23		329.81	0.012260	6.46	60.61	66.65	0.70
ALDER	1	15387.5*	Max WS	338.55	325.14	329.07		329.40	0.007052	5.19	86.15	65.58	0.54
ALDER	1	15348.7*	Max WS	338.44	324.82	328.93		329.16	0.004642	4.45	99.54	61.95	0.44
ALDER	1	15310	Max WS	338.44	324.49	328.83	327.64	329.00	0.003073	3.84	111.83	56.23	0.36
ALDER	1	15300		Bridge									
ALDER	1	15170	Max WS	337.66	324.73	328.51		328.61	0.003195	3.12	140.23	103.30	0.35
ALDER	1	15125.*	Max WS	336.62	324.30	328.44		328.50	0.001601	2.48	183.38	120.54	0.26
ALDER	1	15080.	Max WS	335.97	323.87	328.43		328.45	0.000500	1.54	274.45	131.94	0.15
ALDER	2a	15035.	Max WS	799.89	323.45	328.28		328.38	0.002239	3.50	336.43	165.16	0.32
ALDER	2a	14990.*	Max WS	799.87	323.02	328.19		328.29	0.002056	3.52	354.61	194.33	0.31
ALDER	2a	14945	Max WS	799.85	322.59	328.16		328.22	0.000842	2.38	472.43	182.19	0.20
ALDER	2a	14899.1*	Max WS	858.82	322.52	328.02		328.15	0.002129	3.72	330.40	149.84	0.32
ALDER	2a	14853.3*	Max WS	858.81	322.44	327.79		328.04	0.003600	4.69	244.98	108.93	0.41
ALDER	2a	14807.5*	Max WS	858.80	322.36	327.51		327.85	0.004801	5.22	204.76	86.88	0.47
ALDER	2a	14761.6*	Max WS	859.47	322.29	327.17		327.61	0.006337	5.70	178.30	76.63	0.53
ALDER	2a	14715.8*	Max WS	860.14	322.22	326.94		327.34	0.006292	5.51	210.55	177.28	0.52
ALDER	2a	14670	Max WS	860.80	322.14	326.99		327.04	0.001004	2.25	515.44	242.17	0.21
ALDER	2a	14623.*	Max WS	867.88	322.14	326.91		326.98	0.001585	2.72	442.68	238.54	0.26
ALDER	2a	14576.*	Max WS	868.59	322.15	326.82		326.90	0.001921	2.87	414.80	235.63	0.29
ALDER	2a	14529.*	Max WS	869.29	322.15	326.72		326.80	0.002154	2.91	405.68	242.98	0.30
ALDER	2a	14482.*	Max WS	869.98	322.16	326.60		326.69	0.002438	2.95	399.03	255.00	0.31
ALDER	2a	14435	Max WS	870.68	322.16	326.48		326.56	0.002829	3.01	392.57	278.94	0.33
ALDER	2a	14385.*	Max WS	870.61	322.17	326.15		326.36	0.007071	4.47	287.35	277.41	0.52
ALDER	2a	14335.*	Max WS	870.61	322.19	325.83		326.02	0.007002	4.12	273.62	218.72	0.51
ALDER	2a	14285.*	Max WS	870.59	322.21	325.60		325.73	0.004945	3.26	303.07	202.58	0.42
ALDER	2a	14235	Max WS	870.56	322.22	325.42		325.53	0.003618	2.65	327.13	195.73	0.36
ALDER	2a	14192.*	Max WS	870.54	321.32	324.73		325.30	0.016274	6.27	156.21	120.19	0.78

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14149.*	Max WS	870.51	320.42	324.04		324.67	0.014556	6.52	145.28	89.23	0.75
ALDER	2a	14106.*	Max WS	870.52	319.52	323.51		324.11	0.010985	6.42	150.29	79.88	0.68
ALDER	2a	14063.*	Max WS	870.51	318.62	323.14		323.70	0.008047	6.31	160.40	79.35	0.60
ALDER	2a	14020	Max WS	870.50	317.72	322.82		323.40	0.006811	6.56	165.92	79.96	0.56
ALDER	2a	13975.*	Max WS	870.92	317.79	322.58		323.10	0.006537	6.24	173.22	82.80	0.55
ALDER	2a	13930.*	Max WS	871.33	317.86	322.32		322.80	0.006574	6.03	177.99	85.12	0.55
ALDER	2a	13885.*	Max WS	871.74	317.93	322.04		322.51	0.006913	5.91	180.95	88.67	0.56
ALDER	2a	13840	Max WS	872.15	318.00	321.75		322.19	0.007470	5.81	185.73	98.20	0.57
ALDER	2a	13795.*	Max WS	872.63	317.57	321.42		321.85	0.007640	5.85	191.30	106.21	0.58
ALDER	2a	13750	Max WS	873.10	317.13	321.14		321.50	0.006843	5.56	211.95	124.11	0.55
ALDER	2a	13703.7*	Max WS	873.54	316.85	320.73		321.17	0.008041	5.95	187.25	103.96	0.59
ALDER	2a	13657.5*	Max WS	873.98	316.57	320.34		320.80	0.008244	5.96	181.31	97.35	0.60
ALDER	2a	13611.2*	Max WS	874.43	316.28	319.95		320.42	0.008381	5.94	178.55	95.61	0.60
ALDER	2a	13565	Max WS	874.79	316.00	319.54		320.02	0.008810	5.97	174.23	93.49	0.61
ALDER	2a	13525.*	Max WS	875.18	315.33	319.19		319.69	0.007426	5.91	167.89	76.82	0.57
ALDER	2a	13485.*	Max WS	875.57	314.67	319.03		319.43	0.004859	5.28	183.99	66.80	0.47
ALDER	2a	13445	Max WS	875.95	314.00	318.95		319.27	0.003126	4.66	207.10	63.14	0.39
ALDER	2a	13399.*	Max WS	876.13	313.79	318.87		319.14	0.002683	4.30	226.75	70.81	0.36
ALDER	2a	13353.*	Max WS	876.47	313.57	318.81		319.02	0.002248	3.92	252.12	80.92	0.33
ALDER	2a	13307.*	Max WS	876.80	313.36	318.76		318.93	0.001810	3.52	288.51	97.08	0.30
ALDER	2a	13261.*	Max WS	877.13	313.14	318.74		318.86	0.001320	3.01	347.50	119.11	0.25
ALDER	2a	13215	Max WS	877.46	312.93	318.74		318.81	0.000769	2.32	480.30	192.57	0.19
ALDER	2a	13187.5*	Max WS	877.98	312.72	318.67		318.78	0.001199	2.96	392.59	149.11	0.24
ALDER	2a	13160	Max WS	878.49	312.52	318.50		318.72	0.002714	4.47	290.01	143.06	0.36
ALDER	2a	13132.5*	Max WS	878.80	311.79	318.45		318.64	0.002226	4.13	312.19	146.31	0.33
ALDER	2a	13105	Max WS	879.11	311.06	318.47		318.56	0.001211	3.13	415.31	171.55	0.24
ALDER	2a	13056.6*	Max WS	879.51	311.09	318.29		318.51	0.002519	4.47	290.62	145.68	0.35
ALDER	2a	13008.3*	Max WS	879.92	311.12	317.99		318.41	0.004404	5.76	208.56	106.53	0.46
ALDER	2a	12960.*	Max WS	880.33	311.15	317.61		318.17	0.006206	6.58	166.69	65.25	0.54
ALDER	2a	12911.6*	Max WS	880.74	311.19	317.09		317.85	0.009606	7.69	143.17	62.41	0.66
ALDER	2a	12863.3*	Max WS	881.16	311.22	316.37	316.40	317.42	0.016642	9.13	121.63	61.22	0.84
ALDER	2a	12815	Max WS	881.57	311.25	315.97		316.47	0.010662	6.91	170.12	125.11	0.67
ALDER	2a	12771.6*	Max WS	882.02	310.83	315.61		316.03	0.008841	6.60	195.78	124.41	0.62
ALDER	2a	12728.3*	Max WS	882.47	310.42	315.19		315.64	0.008678	6.74	195.35	120.80	0.62
ALDER	2a	12685	Max WS	882.93	310.00	314.59	314.62	315.24	0.012133	7.87	171.26	122.63	0.73
ALDER	2a	12645.*	Max WS	883.29	309.72	314.10		314.73	0.013085	7.65	162.35	106.49	0.75
ALDER	2a	12605.*	Max WS	883.65	309.44	313.89		314.25	0.007888	5.86	200.02	109.46	0.58
ALDER	2a	12565	Max WS	884.01	309.16	313.80		314.00	0.004047	4.25	257.32	116.08	0.41
ALDER	2a	12530.*	Max WS	884.33	309.44	313.63		313.85	0.004588	4.43	247.10	118.17	0.44
ALDER	2a	12495.*	Max WS	884.66	309.72	313.42		313.68	0.005812	4.76	229.22	119.75	0.49
ALDER	2a	12460	Max WS	884.98	310.00	312.95		313.40	0.012329	6.07	179.83	118.01	0.69
ALDER	2a	12412.5*	Max WS	885.44	308.39	312.20	312.17	312.85	0.013902	7.36	159.12	109.21	0.76
ALDER	2a	12365	Max WS	885.85	306.78	311.92		312.28	0.006733	6.04	217.51	129.05	0.55
ALDER	2a	12328.3*	Max WS	886.23	306.71	311.69		312.03	0.006366	5.81	220.77	129.08	0.53
ALDER	2a	12291.6*	Max WS	886.54	306.64	311.50		311.81	0.005651	5.46	230.81	132.07	0.50
ALDER	2a	12255	Max WS	886.89	306.57	311.38		311.62	0.004304	4.81	261.65	143.38	0.44
ALDER	2a	12215.*	Max WS	887.26	306.18	311.16		311.44	0.004845	5.11	244.17	138.08	0.47
ALDER	2a	12175.*	Max WS	887.62	305.79	310.94		311.25	0.005147	5.27	235.27	136.01	0.48
ALDER	2a	12135	Max WS	887.99	305.40	310.73		311.05	0.005119	5.27	234.36	137.59	0.48
ALDER	2a	12093.3*	Max WS	888.39	305.11	310.39		310.83	0.006745	6.05	197.63	113.86	0.55
ALDER	2a	12051.6*	Max WS	888.78	304.83	310.06		310.54	0.007524	6.42	186.66	100.45	0.58
ALDER	2a	12010	Max WS	889.18	304.54	309.60		310.21	0.009764	7.21	168.36	93.77	0.65
ALDER	2a	11971.6*	Max WS	889.56	304.36	309.19		309.82	0.010969	7.48	165.48	98.46	0.69
ALDER	2a	11933.3*	Max WS	889.92	304.18	308.92		309.39	0.008654	6.68	185.29	101.06	0.61
ALDER	2a	11895	Max WS	890.30	304.00	308.82		309.08	0.004754	5.14	236.37	108.86	0.46
ALDER	2a	11846.6*	Max WS	890.71	303.80	308.60		308.86	0.004842	4.88	239.89	115.98	0.46
ALDER	2a	11798.3*	Max WS	891.12	303.59	308.38		308.63	0.005110	4.66	238.47	116.65	0.46
ALDER	2a	11750	Max WS	891.53	303.39	308.13		308.38	0.005820	4.55	232.67	115.58	0.49
ALDER	2a	11703.3*	Max WS	891.96	303.15	307.82		308.11	0.006255	4.84	225.80	121.29	0.51
ALDER	2a	11656.6*	Max WS	892.38	302.90	307.45		307.81	0.007153	5.25	211.00	125.64	0.55
ALDER	2a	11610	Max WS	892.81	302.66	307.10		307.48	0.006713	5.18	190.45	112.48	0.53
ALDER	2a	11560.*	Max WS	893.26	302.16	306.71		307.14	0.006964	5.49	180.89	75.71	0.55
ALDER	2a	11510.*	Max WS	893.71	301.66	306.29		306.79	0.007419	5.85	169.51	71.65	0.57
ALDER	2a	11460.*	Max WS	894.17	301.16	305.85		306.42	0.007898	6.18	158.35	64.91	0.59
ALDER	2a	11410.*	Max WS	894.63	300.67	305.40		306.02	0.008278	6.46	150.62	58.43	0.61
ALDER	2a	11360.*	Max WS	895.10	300.17	304.91		305.60	0.008977	6.82	143.72	55.33	0.63
ALDER	2a	11310.*	Max WS	895.56	299.67	304.35		305.13	0.010440	7.33	136.56	55.82	0.68
ALDER	2a	11260	Max WS	896.02	299.17	303.78		304.62	0.011627	7.70	141.68	73.37	0.72
ALDER	2a	11219.*	Max WS	896.39	298.45	303.29		304.14	0.011680	7.67	137.71	68.89	0.72
ALDER	2a	11178.*	Max WS	896.77	297.72	302.81		303.66	0.011730	7.61	134.60	64.08	0.71
ALDER	2a	11137.*	Max WS	897.15	297.00	302.34		303.18	0.011586	7.49	133.56	60.13	0.70
ALDER	2a	11096.*	Max WS	897.52	296.27	301.90		302.70	0.011268	7.31	134.82	57.20	0.69
ALDER	2a	11055	Max WS	897.90	295.55	301.51		302.25	0.010247	7.03	139.23	56.03	0.65
ALDER	2a	11012.*	Max WS	898.29	295.50	301.10		301.81	0.009946	6.86	139.82	54.19	0.65
ALDER	2a	10969.*	Max WS	898.68	295.45	300.74		301.40	0.009032	6.61	143.93	54.79	0.62
ALDER	2a	10926.*	Max WS	899.07	295.41	300.45		301.04	0.007743	6.23	153.29	57.72	0.58
ALDER	2a	10883.*	Max WS	899.46	295.36	300.24		300.73	0.006187	5.73	169.14	62.56	0.53
ALDER	2a	10840	Max WS	899.85	295.31	300.11		300.49	0.004599	5.12	192.85	69.08	0.46
ALDER	2a	10793.6*	Max WS	900.27	295.05	299.86		300.27	0.005093	5.28	186.91	70.21	0.48
ALDER	2a	10747.3*	Max WS	900.69	294.78	299.59		300.03	0.005702	5.45	181.57	72.88	0.51
ALDER	2a	10701.0*	Max WS	901.12	294.52	299.29		299.75	0.006454	5.63	176.81	77.38	0.53

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

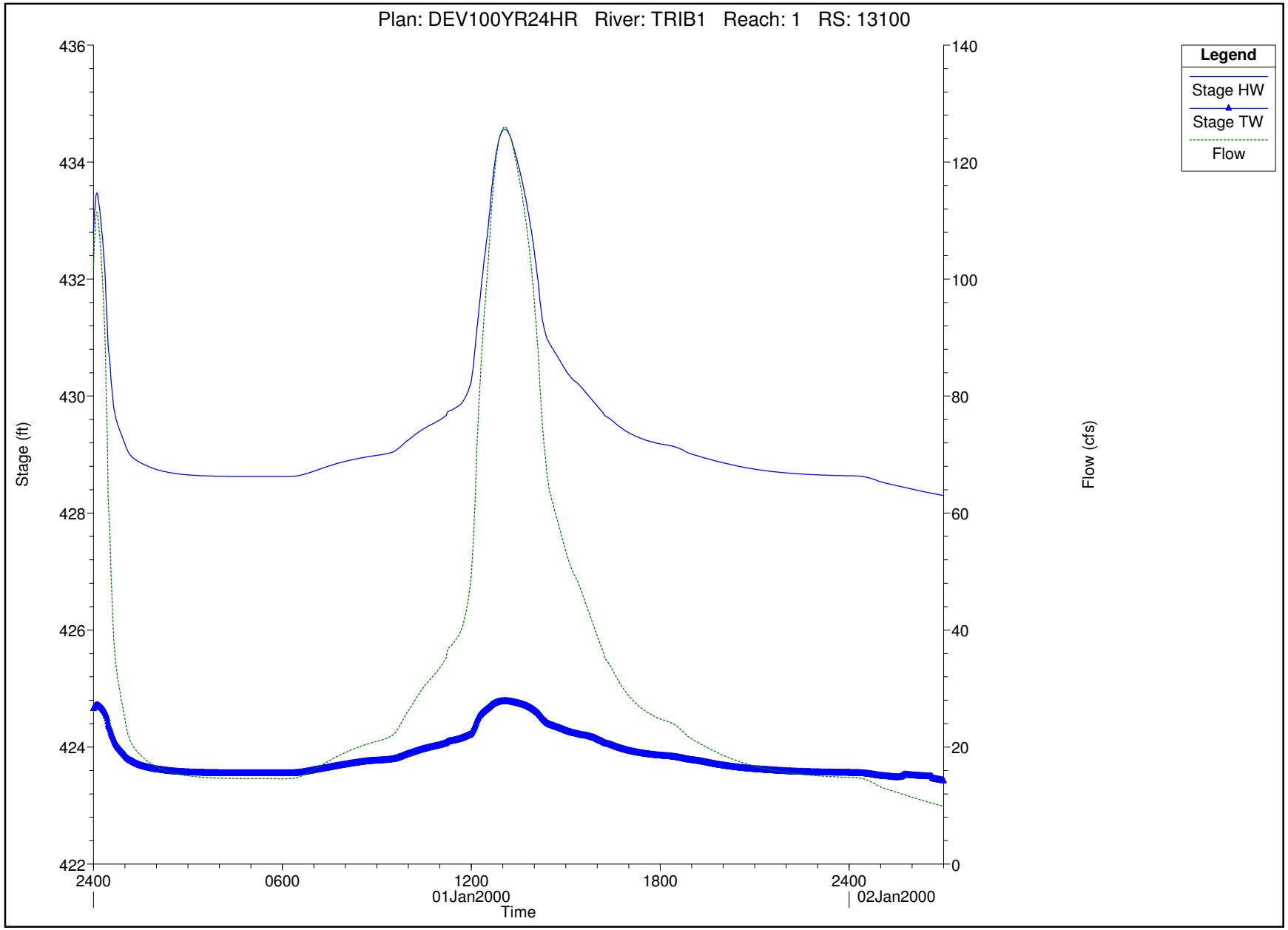
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	10654.7*	Max WS	901.55	294.25	298.94		299.44	0.007518	5.87	172.36	85.32	0.57
ALDER	2a	10608.41	Max WS	901.98	293.99	298.50		299.06	0.009417	6.22	166.85	97.71	0.63
ALDER	2a	10566.3*	Max WS	902.36	293.60	298.10		298.67	0.009332	6.39	167.74	91.00	0.63
ALDER	2a	10524.2*	Max WS	902.74	293.21	297.69		298.28	0.009516	6.65	165.69	84.07	0.64
ALDER	2a	10482.1*	Max WS	903.11	292.83	297.21		297.88	0.010868	7.22	155.96	76.20	0.69
ALDER	2a	10440	Max WS	903.49	292.44	296.40	296.45	297.45	0.019346	9.18	123.56	63.34	0.91
ALDER	2a	10391.6*	Max WS	903.48	291.00	295.55	295.47	296.65	0.016174	9.22	120.21	50.80	0.85
ALDER	2a	10343.3*	Max WS	903.47	289.56	295.14		295.95	0.008999	7.98	140.86	47.15	0.66
ALDER	2a	10295	Max WS	903.46	288.12	295.04	293.43	295.59	0.004692	6.72	171.94	45.82	0.49
ALDER	2a	10200		Bridge									
ALDER	2a	10103.5	Max WS	877.17	287.85	292.48		292.89	0.005696	5.39	185.02	74.62	0.50
ALDER	2a	10055.7*	Max WS	877.10	287.78	292.29		292.63	0.004787	4.85	204.63	84.76	0.46
ALDER	2a	10007.8*	Max WS	873.28	287.71	292.14		292.41	0.004000	4.37	225.94	96.00	0.42
ALDER	2a	9960	Max WS	867.34	287.64	292.01		292.23	0.003350	3.96	250.92	115.69	0.38
ALDER	2a	9915.*	Max WS	883.20	287.01	291.88		292.08	0.002651	3.81	268.26	110.52	0.35
ALDER	2a	9870.*	Max WS	918.04	286.38	291.76		291.96	0.002251	3.76	290.41	114.69	0.33
ALDER	2a	9825.*	Max WS	909.79	285.74	291.71		291.86	0.001618	3.43	335.08	129.80	0.28
ALDER	2a	9780	Max WS	909.39	285.11	291.69		291.79	0.001068	2.99	410.50	145.15	0.23
ALDER	2a	9732.5*	Max WS	909.09	285.27	291.61		291.74	0.001230	3.29	370.80	113.70	0.25
ALDER	2a	9685	Max WS	896.73	285.42	291.53		291.67	0.001389	3.60	342.87	97.23	0.27
ALDER	2a	9642.5	Max WS	896.53	285.67	291.47		291.61	0.001333	3.48	338.96	95.24	0.26
ALDER	2	9600.	Max WS	1807.62	285.33	290.43		291.32	0.008842	8.01	265.46	81.88	0.66
ALDER	2	9557.5*	Max WS	1807.49	284.74	290.04		290.95	0.008834	8.05	262.07	79.73	0.66
ALDER	2	9515.*	Max WS	1807.38	284.16	289.63		290.57	0.009150	8.17	256.94	78.45	0.67
ALDER	2	9472.5*	Max WS	1807.25	283.57	289.20		290.18	0.009770	8.35	251.09	78.47	0.69
ALDER	2	9430	Max WS	1807.08	282.99	288.71		289.76	0.011028	8.67	242.77	79.02	0.73
ALDER	2	9391.66*	Max WS	1810.74	282.38	288.23		289.36	0.011265	8.89	234.40	72.04	0.74
ALDER	2	9353.33*	Max WS	1814.40	281.77	287.83		288.94	0.010731	8.89	236.09	69.63	0.73
ALDER	2	9315	Max WS	1818.05	281.16	287.48		288.54	0.009787	8.75	243.28	69.15	0.70
ALDER	2	9271.25*	Max WS	1817.87	280.79	287.03		288.11	0.010366	8.80	242.49	73.11	0.71
ALDER	2	9227.5*	Max WS	1816.95	280.42	286.53		287.65	0.011433	8.95	239.66	78.61	0.74
ALDER	2	9183.75*	Max WS	1816.90	280.04	286.00		287.16	0.012884	9.14	239.86	89.96	0.78
ALDER	2	9140	Max WS	1816.73	279.67	285.77		286.59	0.009541	7.93	298.52	119.53	0.67
ALDER	2	9105.*	Max WS	1818.43	279.22	285.60		286.25	0.007219	7.16	329.88	120.62	0.59
ALDER	2	9070.*	Max WS	1820.10	278.76	285.50		286.01	0.005172	6.35	371.22	121.90	0.51
ALDER	2	9035	Max WS	1821.75	278.31	285.44		285.84	0.003688	5.63	417.40	122.94	0.43
ALDER	2	8996.25*	Max WS	1823.56	278.16	285.12		285.70	0.005125	6.61	341.08	97.23	0.51
ALDER	2	8957.5*	Max WS	1825.40	278.01	284.80		285.50	0.006219	7.25	308.11	85.24	0.56
ALDER	2	8918.75*	Max WS	1827.25	277.86	284.35		285.24	0.008449	8.26	271.04	77.34	0.65
ALDER	2	8880	Max WS	1829.14	277.71	283.56	283.42	285.00	0.015554	10.43	214.56	69.00	0.87
ALDER	2	8833.75*	Max WS	1831.39	277.36	282.78	282.71	284.29	0.016677	10.39	206.15	69.69	0.89
ALDER	2	8787.5*	Max WS	1833.66	277.01	282.10	281.89	283.49	0.016002	9.85	209.45	68.09	0.87
ALDER	2	8741.25*	Max WS	1835.91	276.66	281.48		282.73	0.015065	9.29	218.10	70.23	0.83
ALDER	2	8695	Max WS	1838.14	276.31	280.91		282.03	0.014141	8.77	228.61	73.81	0.80
ALDER	2	8645.*	Max WS	1840.47	275.29	280.17		281.34	0.014227	8.94	225.99	74.12	0.81
ALDER	2	8595.*	Max WS	1843.19	274.26	279.47		280.66	0.013822	9.02	227.28	76.66	0.80
ALDER	2	8545.*	Max WS	1845.86	273.23	279.03		280.03	0.010442	8.37	256.76	89.90	0.71
ALDER	2	8495	Max WS	1848.47	272.21	278.99		279.55	0.005146	6.57	350.95	105.05	0.51
ALDER	2	8450.*	Max WS	1850.78	271.92	278.46		279.30	0.007420	7.58	280.99	95.71	0.60
ALDER	2	8405.*	Max WS	1853.14	271.63	278.07		278.95	0.007826	7.61	263.71	79.43	0.62
ALDER	2	8360.*	Max WS	1855.57	271.35	277.81		278.60	0.007120	7.23	277.06	80.80	0.59
ALDER	2	8315.*	Max WS	1858.02	271.06	277.65		278.30	0.005869	6.63	305.82	84.83	0.54
ALDER	2	8270.*	Max WS	1858.29	270.77	277.54		278.06	0.004583	5.96	344.93	91.40	0.47
ALDER	2	8225	Max WS	1860.43	270.48	277.47		277.87	0.003466	5.31	402.28	110.05	0.41
ALDER	2	8179.28*	Max WS	2003.22	270.30	277.14		277.65	0.004496	6.00	384.83	109.07	0.47
ALDER	2	8133.57*	Max WS	2003.00	270.12	276.92		277.45	0.004576	6.10	381.57	108.87	0.48
ALDER	2	8087.85*	Max WS	2002.77	269.94	276.70		277.24	0.004596	6.17	378.21	104.37	0.48
ALDER	2	8042.14*	Max WS	2008.35	269.77	276.47		277.03	0.004706	6.29	372.70	100.20	0.49
ALDER	2	7996.42*	Max WS	2008.08	269.59	276.24		276.81	0.004815	6.41	366.84	96.97	0.49
ALDER	2	7950.71*	Max WS	2007.77	269.41	276.00		276.60	0.005068	6.62	363.68	103.21	0.51
ALDER	2	7905	Max WS	2007.39	269.23	275.93	274.39	276.38	0.003895	5.96	440.94	135.18	0.45
ALDER	2	7800		Bridge									
ALDER	2	7730	Max WS	2005.99	268.03	275.13		275.54	0.003442	5.71	450.54	127.66	0.42
ALDER	2	7683.33*	Max WS	2005.73	267.77	274.67		275.37	0.005505	7.04	334.30	94.13	0.53
ALDER	2	7636.66*	Max WS	2005.46	267.51	274.37		275.12	0.005639	7.16	318.38	84.68	0.54
ALDER	2	7590	Max WS	2005.17	267.25	274.18		274.87	0.004870	6.86	327.86	79.84	0.50
ALDER	2	7545.*	Max WS	2004.91	266.83	273.87		274.64	0.005448	7.19	304.38	70.39	0.53
ALDER	2	7500.*	Max WS	2004.66	266.41	273.59		274.39	0.005630	7.32	293.64	64.58	0.54
ALDER	2	7455.*	Max WS	2004.42	265.99	273.35		274.14	0.005336	7.25	293.19	60.85	0.53
ALDER	2	7410	Max WS	2004.18	265.57	273.18		273.92	0.004630	6.97	302.52	58.39	0.49
ALDER	2	7368.75*	Max WS	2006.77	265.50	272.86		273.71	0.005636	7.53	283.63	58.05	0.54
ALDER	2	7327.5*	Max WS	2009.36	265.43	272.49		273.47	0.006762	8.09	267.90	58.06	0.59
ALDER	2	7286.25*	Max WS	2010.83	265.36	272.10		273.18	0.007791	8.57	257.59	59.06	0.63
ALDER	2	7245	Max WS	2013.62	265.29	271.76		272.86	0.008010	8.73	261.46	63.32	0.64
ALDER	2	7205.*	Max WS	2015.92	264.89	271.30		272.55	0.009616	9.40	250.45	64.40	0.70
ALDER	2	7165.*	Max WS	2018.18	264.49	270.83		272.18	0.011067	9.97	244.59	66.10	0.75
ALDER	2	7125	Max WS	2020.39	264.09	270.47		271.76	0.010860	10.01	254.52	69.71	0.75
ALDER	2	7085.*	Max WS	2020.20	264.08	270.47		271.30	0.006819	7.77	312.33	85.39	0.59
ALDER	2	7045.*	Max WS	2019.94	264.08	270.42		271.02	0.005092	6.51	362.50	102.97	0.51
ALDER	2	7005.*	Max WS	2019.61	264.08	270.36		270.81	0.004066	5.62	416.60	125.76	0.45
ALDER	2	6965	Max WS	2019.19	264.07	270.32		270.66	0.003333	4.92	485.47	162.25	0.40

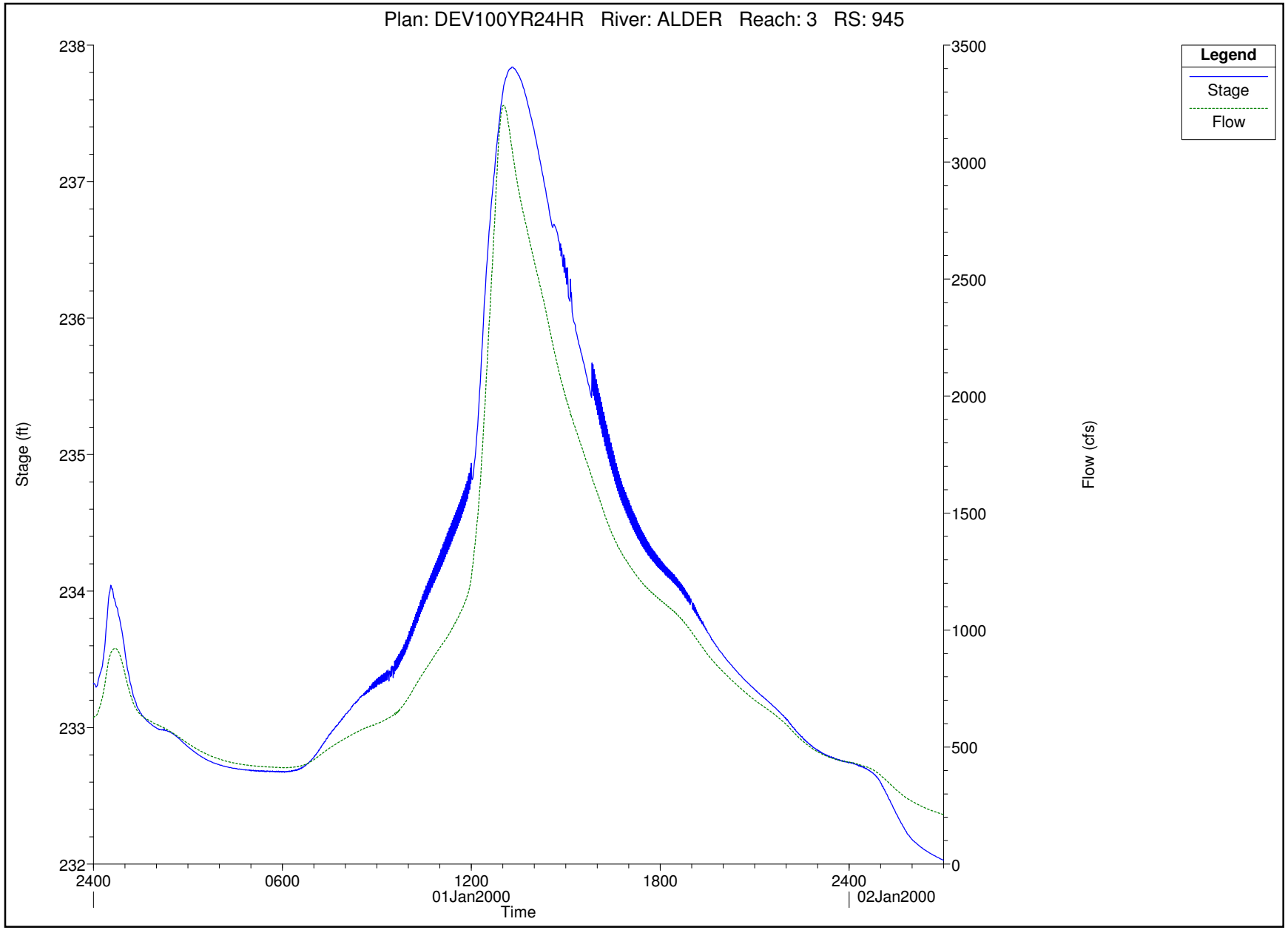
HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	6922.5*	Max WS	2058.11	263.59	270.08		270.49	0.003938	5.37	446.58	145.37	0.44
ALDER	2	6880.*	Max WS	2057.55	263.11	269.87		270.33	0.004315	5.68	419.54	132.93	0.46
ALDER	2	6837.5*	Max WS	2056.97	262.63	269.63		270.15	0.004764	6.02	393.68	122.24	0.48
ALDER	2	6795	Max WS	2056.44	262.15	269.35		269.95	0.005389	6.44	366.10	111.85	0.51
ALDER	2	6752.5*	Max WS	2062.79	261.76	268.79		269.69	0.007745	7.63	282.91	76.04	0.61
ALDER	2	6710.*	Max WS	2068.85	261.36	268.31		269.35	0.009090	8.25	265.28	70.94	0.67
ALDER	2	6667.5*	Max WS	2075.41	260.97	267.88		268.98	0.009774	8.64	269.21	81.66	0.69
ALDER	2	6625	Max WS	2081.93	260.58	267.97		268.57	0.005268	6.85	370.75	91.94	0.52
ALDER	2	6586.25*	Max WS	2110.59	260.38	267.68		268.36	0.005920	7.28	358.49	93.05	0.55
ALDER	2	6547.5*	Max WS	2106.38	260.18	267.40		268.13	0.006379	7.58	349.27	95.63	0.57
ALDER	2	6508.75*	Max WS	2106.30	259.98	267.13		267.90	0.006671	7.78	350.43	104.06	0.58
ALDER	2	6470	Max WS	2106.15	259.78	267.11	265.80	267.65	0.004746	6.78	425.54	123.82	0.50
ALDER	2	6400		Bridge									
ALDER	2	6320	Max WS	2099.87	258.60	266.84		267.16	0.002337	5.14	542.88	133.05	0.35
ALDER	2	6275.*	Max WS	2090.85	258.80	266.74		267.05	0.002252	5.04	534.75	126.86	0.35
ALDER	2	6230.*	Max WS	2090.78	259.00	266.66		266.95	0.002045	4.79	548.04	123.59	0.33
ALDER	2	6185	Max WS	2090.65	259.20	266.60		266.86	0.001839	4.53	570.51	124.55	0.32
ALDER	2	6145.*	Max WS	3031.46	258.97	265.24		266.48	0.010638	9.46	379.63	105.14	0.74
ALDER	2	6105.*	Max WS	3031.37	258.75	264.62	264.44	266.07	0.014410	10.36	352.90	109.15	0.84
ALDER	2	6065	Max WS	3030.08	258.52	264.09		265.45	0.015568	10.31	365.42	118.52	0.87
ALDER	2	6021.25*	Max WS	3037.79	258.33	263.78		264.74	0.010929	8.60	438.39	147.05	0.73
ALDER	2	5977.5*	Max WS	3037.55	258.14	263.64		264.28	0.006980	7.03	539.45	180.61	0.58
ALDER	2	5933.75*	Max WS	3033.81	257.96	263.57		264.00	0.004408	5.76	670.29	227.84	0.47
ALDER	2	5890	Max WS	3036.53	257.77	263.54		263.82	0.002692	4.66	865.54	306.75	0.37
ALDER	2	5841.50*	Max WS	3034.82	257.25	263.38		263.70	0.002936	5.02	803.96	278.96	0.39
ALDER	2	5793.01*	Max WS	3035.81	256.72	263.16		263.56	0.003409	5.54	729.25	248.17	0.42
ALDER	2	5744.51*	Max WS	3036.76	256.20	262.90		263.40	0.004172	6.23	648.92	215.87	0.47
ALDER	2	5696.02*	Max WS	3037.65	255.67	262.51		263.21	0.005866	7.38	551.07	188.65	0.55
ALDER	2	5647.53	Max WS	3038.54	255.15	261.78		262.99	0.011073	9.66	414.73	145.73	0.75
ALDER	2	5605.44*	Max WS	3039.30	255.15	261.54		262.46	0.008835	8.33	458.70	154.37	0.66
ALDER	2	5563.35*	Max WS	3040.01	255.15	261.37		262.08	0.007069	7.26	509.16	164.58	0.59
ALDER	2	5521.26*	Max WS	3040.66	255.15	261.22		261.79	0.005817	6.45	560.08	175.79	0.53
ALDER	2	5479.17*	Max WS	3039.13	255.15	261.07		261.54	0.004915	5.81	612.12	208.34	0.49
ALDER	2	5437.08*	Max WS	3039.98	255.15	260.96		261.34	0.004182	5.28	671.66	233.82	0.45
ALDER	2	5395	Max WS	3040.80	255.15	260.84		261.17	0.003673	4.87	710.27	263.13	0.42
ALDER	2	5351.42*	Max WS	3183.09	254.95	260.56		260.97	0.004663	5.49	684.92	248.26	0.47
ALDER	2	5307.85*	Max WS	3183.03	254.74	260.27		260.77	0.005792	6.12	646.13	246.12	0.53
ALDER	2	5264.28*	Max WS	3182.95	254.54	259.93		260.51	0.007062	6.69	607.57	235.16	0.58
ALDER	2	5220.71*	Max WS	3182.86	254.34	259.48		260.18	0.009527	7.57	563.36	239.51	0.67
ALDER	2	5177.14*	Max WS	3182.76	254.14	259.07		259.75	0.010594	7.82	574.13	247.10	0.70
ALDER	2	5133.57*	Max WS	3182.69	253.93	258.82		259.30	0.008462	7.03	648.91	252.12	0.63
ALDER	2	5090	Max WS	3181.01	253.73	258.68	257.27	258.97	0.005067	5.58	783.37	252.16	0.49
ALDER	2	5000		Bridge									
ALDER	2	4965	Max WS	3182.66	253.15	257.80		258.18	0.005489	5.41	700.49	246.34	0.50
ALDER	2	4922.5*	Max WS	3182.34	252.85	257.52		257.95	0.006049	5.79	673.30	243.26	0.53
ALDER	2	4880.*	Max WS	3181.85	252.55	257.15		257.68	0.007428	6.45	625.84	258.41	0.59
ALDER	2	4837.5*	Max WS	3042.80	252.26	256.60		257.26	0.010112	7.30	541.55	303.95	0.68
ALDER	2	4795	Max WS	3182.85	251.96	256.71		256.86	0.002690	4.10	1176.86	460.51	0.36
ALDER	2	4758.33*	Max WS	3313.60	251.55	256.39		256.76	0.005432	5.92	886.81	459.87	0.51
ALDER	2	4721.66*	Max WS	3313.97	251.15	255.87		256.55	0.008646	7.34	571.40	305.64	0.64
ALDER	2	4685	Max WS	3314.17	250.74	255.73		256.26	0.006017	6.40	642.05	245.06	0.54
ALDER	2	4639.*	Max WS	3308.72	250.11	255.35		255.98	0.006467	6.83	615.05	290.83	0.56
ALDER	2	4593.*	Max WS	3309.27	249.48	255.25		255.71	0.004210	5.89	729.55	316.99	0.46
ALDER	2	4547.*	Max WS	3309.75	248.86	255.23		255.52	0.002421	4.79	909.24	345.43	0.36
ALDER	2	4501.*	Max WS	3310.27	248.23	255.26		255.41	0.001220	3.64	1314.02	386.40	0.26
ALDER	2	4455	Max WS	3310.81	247.60	255.26		255.35	0.000666	2.86	1649.53	391.80	0.19
ALDER	2	4406.66*	Max WS	3319.45	247.58	255.09		255.33	0.001525	4.29	996.59	252.54	0.29
ALDER	2	4358.33*	Max WS	3318.99	247.55	254.81		255.25	0.002749	5.66	696.14	153.05	0.39
ALDER	2	4310	Max WS	3315.88	247.53	254.24		255.09	0.005536	7.63	473.87	96.89	0.55
ALDER	2	4271.25	Max WS	3315.82	246.65	254.00		254.90	0.005737	8.19	483.24	98.31	0.56
ALDER	3	4232.5	Max WS	3449.47	246.21	253.80		254.62	0.007391	9.70	510.83	99.88	0.64
ALDER	3	4193.75*	Max WS	3449.35	245.99	253.56		254.33	0.007064	9.28	520.83	100.79	0.62
ALDER	3	4155	Max WS	3449.19	245.77	253.33		254.06	0.006727	8.87	532.16	101.91	0.60
ALDER	3	4118.33*	Max WS	3445.21	245.51	253.06		253.83	0.007145	9.43	544.35	117.31	0.63
ALDER	3	4081.66*	Max WS	3445.46	245.25	252.73		253.58	0.007611	9.89	530.39	119.09	0.65
ALDER	3	4045	Max WS	3439.66	244.99	252.54		253.30	0.006254	9.18	556.86	116.80	0.60
ALDER	3	4002.5*	Max WS	3439.95	244.99	252.31		253.05	0.006144	8.91	578.21	130.97	0.59
ALDER	3	3960.*	Max WS	3432.47	244.99	252.10		252.81	0.006204	8.76	630.78	177.67	0.59
ALDER	3	3917.5*	Max WS	3432.81	244.99	252.11		252.52	0.003738	6.79	811.09	217.43	0.46
ALDER	3	3875	Max WS	3433.16	244.99	252.12		252.35	0.002049	5.02	1026.06	232.89	0.34
ALDER	3	3827.5*	Max WS	3433.51	244.99	252.01		252.25	0.002197	5.12	1004.14	234.54	0.35
ALDER	3	3780.*	Max WS	3433.79	244.99	251.90		252.14	0.002302	5.15	996.29	239.60	0.36
ALDER	3	3732.5*	Max WS	3433.96	244.99	251.81		252.04	0.002317	5.10	1041.49	278.69	0.36
ALDER	3	3685	Max WS	3434.05	244.99	251.83		251.93	0.001113	3.52	1466.04	345.60	0.25
ALDER	3	3635.83*	Max WS	3434.11	244.75	251.72		251.88	0.001454	4.05	1242.23	298.04	0.28
ALDER	3	3586.66*	Max WS	3434.16	244.52	251.61		251.81	0.001673	4.36	1103.10	262.96	0.30
ALDER	3	3537.5*	Max WS	3434.20	244.28	251.49		251.73	0.001778	4.51	1016.29	240.72	0.31
ALDER	3	3488.33*	Max WS	3434.23	244.04	251.39		251.65	0.001739	4.49	968.86	223.69	0.31
ALDER	3	3439.16*	Max WS	3434.27	243.81	251.31		251.56	0.001594	4.33	953.85	212.07	0.30
ALDER	3	3390	Max WS	3434.30	243.57	251.25		251.48	0.001383	4.07	966.77	202.77	0.28
ALDER	3	3341.87*	Max WS	3452.18	243.61	251.18		251.41	0.001436	4.11	964.96	202.07	0.28

HEC-RAS Plan: DEV200YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	3293.75*	Max WS	3452.19	243.64	251.11		251.34	0.001455	4.10	968.67	201.88	0.28
ALDER	3	3245.62*	Max WS	3452.19	243.68	251.04		251.27	0.001458	4.07	977.40	202.79	0.28
ALDER	3	3197.5*	Max WS	3452.19	243.71	250.98		251.20	0.001439	4.02	993.00	204.97	0.28
ALDER	3	3149.37*	Max WS	3452.16	243.75	250.92		251.14	0.001393	3.94	1016.84	208.07	0.28
ALDER	3	3101.25*	Max WS	3452.12	243.79	250.87		251.07	0.001319	3.83	1051.35	212.40	0.27
ALDER	3	3053.12*	Max WS	3452.06	243.82	250.83		251.01	0.001221	3.69	1100.76	220.32	0.26
ALDER	3	3005	Max WS	3451.97	243.86	250.79		250.95	0.001082	3.48	1180.02	233.68	0.24
ALDER	3	3000	Max WS	3460.15	243.86	250.79	247.31	250.94	0.001092	3.49	1178.34	233.63	0.24
ALDER	3	2900		Bridge									
ALDER	3	2850.	Max WS	3460.52	243.89	249.81		250.29	0.003672	5.77	666.84	155.28	0.44
ALDER	3	2800.*	Max WS	3460.90	243.90	249.46		250.08	0.005162	6.57	581.58	143.72	0.51
ALDER	3	2750	Max WS	3461.31	243.91	248.83		249.77	0.008970	8.00	470.88	129.22	0.66
ALDER	3	2704.*	Max WS	3487.01	243.45	248.35		249.35	0.009883	8.29	467.02	136.45	0.69
ALDER	3	2658.*	Max WS	3486.90	242.99	247.90		248.90	0.010245	8.38	474.87	146.49	0.71
ALDER	3	2612.*	Max WS	3485.06	242.53	247.55		248.45	0.009449	8.10	508.21	160.47	0.68
ALDER	3	2566.*	Max WS	3485.04	242.07	247.35		248.05	0.007246	7.30	584.05	176.27	0.60
ALDER	3	2520	Max WS	3484.98	241.61	247.26		247.76	0.005138	6.41	715.93	224.33	0.51
ALDER	3	2475.*	Max WS	3484.87	241.12	246.93		247.53	0.006020	6.97	658.68	212.04	0.55
ALDER	3	2430.*	Max WS	3484.71	240.63	246.64		247.27	0.006295	7.20	640.13	200.66	0.57
ALDER	3	2385.*	Max WS	3484.49	240.13	246.37		246.99	0.006244	7.27	642.63	197.08	0.56
ALDER	3	2340.*	Max WS	3484.24	239.64	246.12		246.71	0.005950	7.22	658.64	196.94	0.55
ALDER	3	2295	Max WS	3481.96	239.15	245.92		246.46	0.005353	7.02	691.00	198.77	0.53
ALDER	3	2245.*	Max WS	3481.91	239.15	245.77		246.20	0.003945	6.16	762.18	203.31	0.46
ALDER	3	2195.*	Max WS	3481.86	239.14	245.71		246.02	0.002580	5.15	888.41	214.72	0.37
ALDER	3	2145	Max WS	3481.80	239.14	245.70		245.90	0.001530	4.14	1076.38	223.46	0.29
ALDER	3	2101.66*	Max WS	3530.36	239.14	245.56		245.82	0.002186	4.85	959.27	209.64	0.34
ALDER	3	2058.33*	Max WS	3530.28	239.14	245.38		245.71	0.003230	5.75	838.85	195.77	0.42
ALDER	3	2015	Max WS	3530.19	239.14	245.07		245.55	0.005407	7.16	704.27	180.65	0.53
ALDER	3	1969.*	Max WS	3531.28	238.77	244.77		245.31	0.005804	7.32	679.89	182.93	0.55
ALDER	3	1923.*	Max WS	3532.33	238.39	244.46		245.05	0.006177	7.43	655.42	183.75	0.57
ALDER	3	1877.*	Max WS	3533.34	238.02	244.12		244.77	0.006565	7.52	630.90	184.21	0.58
ALDER	3	1831.*	Max WS	3532.55	237.64	243.76		244.47	0.007006	7.60	605.37	184.50	0.60
ALDER	3	1785	Max WS	3533.65	237.27	243.37		244.15	0.007716	7.76	574.79	187.78	0.62
ALDER	3	1740.*	Max WS	3534.60	236.84	243.14		243.82	0.006665	7.23	622.19	202.58	0.58
ALDER	3	1695.*	Max WS	3535.43	236.41	242.96		243.53	0.005486	6.65	681.83	217.80	0.53
ALDER	3	1650.*	Max WS	3536.16	235.98	242.84		243.30	0.004283	6.02	759.05	234.46	0.47
ALDER	3	1605.*	Max WS	3536.84	235.55	242.75		243.12	0.003270	5.42	849.74	253.02	0.41
ALDER	3	1560	Max WS	3537.45	235.12	242.68		242.98	0.002466	4.88	955.00	275.47	0.36
ALDER	3	1511.42*	Max WS	3538.12	235.01	242.50		242.86	0.002885	5.32	862.15	247.16	0.39
ALDER	3	1462.85*	Max WS	3538.85	234.90	242.28		242.72	0.003379	5.80	781.11	221.29	0.42
ALDER	3	1414.28*	Max WS	3539.63	234.79	242.03		242.56	0.004005	6.33	707.64	200.19	0.46
ALDER	3	1365.71*	Max WS	3540.49	234.69	241.77		242.37	0.004530	6.74	650.34	167.16	0.49
ALDER	3	1317.14*	Max WS	3541.42	234.58	241.46		242.14	0.005201	7.20	601.89	146.39	0.53
ALDER	3	1268.57*	Max WS	3542.42	234.47	241.09		241.88	0.006254	7.81	551.88	131.45	0.58
ALDER	3	1220	Max WS	3543.56	234.36	240.58		241.56	0.008199	8.73	492.20	117.82	0.66
ALDER	3	1175.*	Max WS	3580.37	233.55	240.11		241.17	0.008190	8.93	482.01	114.76	0.66
ALDER	3	1130.*	Max WS	3579.95	232.73	239.78		240.82	0.007258	8.72	492.31	116.23	0.63
ALDER	3	1085	Max WS	3579.55	231.92	239.56		240.50	0.005970	8.27	519.25	130.04	0.57
ALDER	3	1057.5*	Max WS	3579.39	231.36	238.81		240.30	0.015121	9.79	365.49	85.70	0.84
ALDER	3	1030	Max WS	3579.33	230.81	238.81	237.13	239.91	0.008607	8.43	424.76	80.52	0.65
ALDER	3	1000		Bridge									
ALDER	3	945	Max WS	3409.24	229.78	237.85		238.56	0.005806	6.78	502.93	101.52	0.54
ALDER	3	910.*	Max WS	3393.09	229.89	237.82		238.37	0.004225	5.98	567.20	108.94	0.46
ALDER	3	875	Max WS	3407.98	230.00	237.80	234.89	238.24	0.003288	5.29	643.83	123.00	0.41


Plan: DEV100YR24HR River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
436
434
432
430
428
426
424
422
140
120
100
80
60
40
20
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


Plan: DEV100YR24HR River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
238
237
236
235
234
233
232
3500
3000
2500
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: DEV100YR24HR Profile: Max WS

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	Max WS	160.86	267.93	268.78		268.90	0.012201	2.77	58.08	79.58	0.57
TRIB4	1	2123.33*	Max WS	160.86	267.25	268.47		268.60	0.011893	2.90	55.43	69.47	0.57
TRIB4	1	2086.66*	Max WS	160.86	266.58	267.70	267.76	268.10	0.048703	5.07	31.74	49.62	1.12
TRIB4	1	2050	Max WS	160.85	265.90	266.92	266.91	267.18	0.041479	4.15	38.73	72.26	1.00
TRIB4	1	2010.*	Max WS	161.25	265.02	266.29		266.50	0.026011	3.66	44.08	70.07	0.81
TRIB4	1	1970.*	Max WS	161.65	264.15	265.67		265.83	0.016576	3.22	50.22	68.93	0.66
TRIB4	1	1930.*	Max WS	162.06	263.27	264.85		265.07	0.027425	3.78	42.85	67.33	0.84
TRIB4	1	1890	Max WS	162.46	262.40	264.11		264.31	0.024644	3.64	44.67	68.57	0.79
TRIB4	1	1848.*	Max WS	162.87	261.50	263.31		263.59	0.031915	4.26	38.19	56.02	0.91
TRIB4	1	1806.*	Max WS	163.27	260.59	262.45		262.75	0.030135	4.39	37.16	49.82	0.90
TRIB4	1	1764.*	Max WS	163.68	259.69	261.53	261.52	261.88	0.036187	4.75	34.43	46.96	0.98
TRIB4	1	1722.*	Max WS	164.09	258.78	260.69		261.01	0.030360	4.55	36.06	45.89	0.90
TRIB4	1	1680	Max WS	164.50	257.88	260.33		260.45	0.005963	2.74	59.99	47.87	0.43
TRIB4	1	1630.*	Max WS	164.26	257.07	259.38		259.83	0.026455	5.42	30.29	26.70	0.90
TRIB4	1	1580.*	Max WS	164.47	256.25	258.18	258.18	258.64	0.037692	5.43	30.30	34.97	1.03
TRIB4	1	1530	Max WS	164.38	255.44	257.67		257.73	0.002411	1.94	84.60	57.98	0.28
TRIB4	1	1492.39*	Max WS	164.36	254.70	257.60		257.66	0.001963	1.87	88.05	54.93	0.26
TRIB4	1	1454.79*	Max WS	164.35	253.97	257.57		257.60	0.000993	1.49	110.31	57.83	0.19
TRIB4	1	1417.19	Max WS	164.63	253.23	257.39		257.57	0.002066	3.37	48.88	58.57	0.31
TRIB4	1	1300		Culvert									
TRIB4	1	1155	Max WS	127.46	248.82	254.30		254.35	0.000350	1.80	70.98	67.72	0.14
TRIB4	1	1127.5*	Max WS	127.39	248.82	254.33		254.33	0.000027	0.43	298.66	67.81	0.04
TRIB4	1	1100	Max WS	127.27	248.82	254.32		254.33	0.000027	0.43	298.61	67.81	0.04
TRIB3	1	3003.87	Max WS	313.43	339.76	341.10		341.36	0.017221	4.67	80.38	95.98	0.74
TRIB3	1	2960.91*	Max WS	313.43	338.87	340.32		340.63	0.019985	5.18	74.90	94.95	0.80
TRIB3	1	2917.95*	Max WS	313.37	337.98	339.49		339.84	0.021396	5.37	70.50	84.90	0.83
TRIB3	1	2875	Max WS	312.35	337.09	338.87		339.09	0.011361	4.30	86.52	86.47	0.62
TRIB3	1	2830.83*	Max WS	311.94	336.41	338.63		338.78	0.005386	3.53	110.09	92.50	0.45
TRIB3	1	2786.66*	Max WS	311.92	335.72	338.55		338.62	0.001981	2.56	154.83	102.35	0.28
TRIB3	1	2742.5*	Max WS	311.88	335.04	338.52		338.56	0.000781	1.88	213.42	113.12	0.18
TRIB3	1	2698.33*	Max WS	311.84	334.36	338.51		338.53	0.000356	1.44	282.23	126.02	0.13
TRIB3	1	2654.16*	Max WS	311.80	333.67	338.51		338.52	0.000178	1.13	361.76	139.12	0.09
TRIB3	1	2610	Max WS	311.75	332.99	338.24		338.65	0.003154	5.12	60.85	146.09	0.40
TRIB3	1	2500		Culvert									
TRIB3	1	2465.	Max WS	311.75	330.68	333.29	333.56	334.92	0.035200	10.23	30.48	72.60	1.18
TRIB3	1	2416.66*	Max WS	311.74	329.91	332.11		332.53	0.017200	5.73	63.74	57.64	0.78
TRIB3	1	2368.33*	Max WS	312.79	329.14	331.40		331.82	0.016755	5.69	63.83	56.68	0.77
TRIB3	1	2320	Max WS	313.79	328.37	330.58	330.52	331.09	0.021235	6.16	58.20	53.70	0.86
TRIB3	1	2272.14*	Max WS	292.68	327.46	330.18		330.41	0.006613	4.21	82.97	59.02	0.50
TRIB3	1	2224.29*	Max WS	295.03	326.54	330.09		330.19	0.002013	2.91	127.50	69.51	0.29
TRIB3	1	2176.44*	Max WS	296.38	325.63	330.07		330.11	0.000783	2.17	190.06	92.74	0.19
TRIB3	1	2128.58*	Max WS	297.22	324.71	330.06		330.08	0.000330	1.63	271.35	112.91	0.13
TRIB3	1	2080.73*	Max WS	297.96	323.80	330.06		330.07	0.000152	1.24	376.59	136.22	0.09
TRIB3	1	2032.88*	Max WS	298.62	322.88	330.06		330.06	0.000073	0.95	478.15	135.55	0.06
TRIB3	1	1985.03	Max WS	299.20	321.97	330.06		330.06	0.000045	0.81	559.20	131.62	0.05
TRIB3	1	1943.02*	Max WS	299.67	321.74	330.05		330.06	0.000039	0.78	579.45	130.81	0.05
TRIB3	1	1901.01*	Max WS	300.16	321.51	330.05		330.06	0.000034	0.74	606.66	133.09	0.05
TRIB3	1	1859.01*	Max WS	300.67	321.27	330.05		330.06	0.000029	0.70	644.60	137.17	0.04
TRIB3	1	1817.00*	Max WS	301.18	321.04	330.05		330.06	0.000024	0.64	695.76	143.73	0.04
TRIB3	1	1775	Max WS	301.73	320.81	330.05		330.05	0.000020	0.59	776.59	164.16	0.03
TRIB3	1	1731.25*	Max WS	302.36	320.51	330.05		330.05	0.000017	0.56	819.98	167.38	0.03
TRIB3	1	1687.5*	Max WS	303.03	320.21	330.05		330.05	0.000015	0.53	870.03	171.22	0.03
TRIB3	1	1643.75*	Max WS	303.69	319.90	330.05		330.05	0.000012	0.50	925.73	175.67	0.03
TRIB3	1	1600	Max WS	301.00	319.60	330.01		330.09	0.000252	2.31	131.95	179.83	0.13
TRIB3	1	1500		Culvert									
TRIB3	1	1370	Max WS	301.00	316.30	318.62	319.15	320.64	0.051573	11.52	26.59	72.20	1.40
TRIB3	1	1325.*	Max WS	300.55	315.33	317.05		317.43	0.023017	5.89	64.25	67.57	0.87
TRIB3	1	1280.*	Max WS	300.36	314.36	316.16	316.16	316.59	0.025210	6.13	62.84	71.78	0.91
TRIB3	1	1235.*	Max WS	302.88	313.39	315.28	315.34	315.76	0.026786	6.32	61.72	75.64	0.94
TRIB3	1	1190.*	Max WS	309.25	312.42	314.41	314.52	314.95	0.028091	6.50	60.59	78.67	0.96
TRIB3	1	1145.*	Max WS	313.77	311.45	313.58	313.65	314.09	0.024355	6.18	63.01	79.95	0.90
TRIB3	1	1100	Max WS	315.28	310.48	313.10		313.32	0.007954	4.15	97.24	97.66	0.54
TRIB3	1	1053.*	Max WS	316.23	310.03	312.70		312.97	0.009195	4.50	85.86	80.47	0.58
TRIB3	1	1006.*	Max WS	316.76	309.59	312.27		312.57	0.010144	4.71	80.74	74.97	0.61
TRIB3	1	959.*	Max WS	316.73	309.14	311.80		312.12	0.011172	4.87	78.54	76.45	0.63
TRIB3	1	912.*	Max WS	316.85	308.70	311.33		311.64	0.011100	4.78	80.92	77.09	0.63
TRIB3	1	865	Max WS	317.24	308.25	310.64		311.04	0.018100	5.48	69.92	73.32	0.78
TRIB3	1	815.*	Max WS	324.70	307.37	309.77	309.76	310.20	0.018758	5.74	69.42	72.31	0.80
TRIB3	1	765.*	Max WS	324.00	306.49	308.93		309.35	0.017619	5.77	70.28	71.58	0.79
TRIB3	1	715.*	Max WS	323.21	305.60	308.04	307.89	308.51	0.018958	6.10	67.62	70.22	0.82
TRIB3	1	665.*	Max WS	322.45	304.72	307.14	307.04	307.61	0.018977	6.17	64.27	62.26	0.82
TRIB3	1	615.*	Max WS	321.54	303.84	306.20	306.17	306.71	0.020868	6.46	61.20	63.15	0.86
TRIB3	1	565	Max WS	247.01	302.96	305.85		305.96	0.003538	3.21	104.69	83.95	0.37
TRIB3	1	517.5*	Max WS	883.09	301.49	305.16	305.55	306.45	0.028949	11.03	119.63	96.40	1.11
TRIB3	1	470.*	Max WS	883.67	300.02	303.85	304.32	305.39	0.033591	12.20	113.39	93.05	1.20
TRIB3	1	422.5*	Max WS	883.62	298.54	302.51	303.02	304.18	0.037329	13.02	110.79	92.97	1.26
TRIB3	1	375	Max WS	882.73	297.07	301.10	300.94	302.99	0.045377	14.19	106.37	95.35	1.37
TRIB3	1	325.*	Max WS	879.39	295.34	299.46	299.99	301.14	0.035176	12.93	95.89	51.24	1.22
TRIB3	1	275.*	Max WS	876.39	293.61	297.75	298.27	299.56	0.035681	13.30	91.33	46.04	1.24
TRIB3	1	225.*	Max WS	873.59	291.89	296.12	296.61	297.91	0.033166	13.24	91.24	43.85	1.21
TRIB3	1	175	Max WS	873.24	290.16	294.87	294.87	296.06	0.018742	10.94	111.46	46.48	0.94

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2B	1	2946.25	Max WS	178.28	470.79	471.87	471.90	472.22	0.030458	5.15	39.44	67.24	1.08
TRIB2B	1	2903.43*	Max WS	178.24	469.43	470.63	470.69	471.04	0.029628	5.67	37.62	61.66	1.09
TRIB2B	1	2860.62*	Max WS	178.23	468.07	469.41	469.52	469.91	0.028908	6.29	35.69	56.53	1.11
TRIB2B	1	2817.81*	Max WS	178.23	466.70	468.28	468.41	468.83	0.025652	6.82	35.75	53.76	1.08
TRIB2B	1	2775	Max WS	178.21	465.34	467.21	467.39	467.80	0.026185	7.79	37.20	59.21	1.11
TRIB2B	1	2733.75*	Max WS	179.01	464.10	466.12	466.42	466.94	0.027785	8.31	30.27	39.33	1.16
TRIB2B	1	2692.5*	Max WS	179.82	462.86	464.98	465.25	465.89	0.028292	8.33	27.07	29.93	1.17
TRIB2B	1	2651.25*	Max WS	180.62	461.63	463.81	464.07	464.78	0.029130	8.28	25.32	25.89	1.18
TRIB2B	1	2610	Max WS	181.43	460.39	462.68	462.88	463.58	0.026216	7.82	25.60	24.04	1.12
TRIB2B	1	2565.*	Max WS	182.30	459.32	461.51	461.70	462.38	0.026167	7.70	26.16	25.09	1.12
TRIB2B	1	2520.*	Max WS	183.17	458.24	460.35	460.53	461.19	0.026050	7.58	26.79	26.29	1.11
TRIB2B	1	2475.*	Max WS	184.05	457.17	459.20	459.36	460.00	0.025703	7.43	27.63	27.85	1.10
TRIB2B	1	2430.*	Max WS	184.91	456.09	458.03	458.23	458.82	0.026674	7.40	28.02	29.42	1.12
TRIB2B	1	2385.*	Max WS	185.78	455.02	456.93	457.05	457.61	0.022786	6.91	30.75	32.77	1.04
TRIB2B	1	2340	Max WS	186.65	453.94	455.63	455.88	456.53	0.036482	7.91	26.67	32.40	1.28
TRIB2B	1	2291.87*	Max WS	187.58	452.05	453.91	454.18	454.90	0.036171	8.19	25.03	26.90	1.28
TRIB2B	1	2243.75*	Max WS	188.51	450.16	452.18	452.48	453.26	0.036635	8.49	23.77	23.42	1.30
TRIB2B	1	2195.63*	Max WS	189.45	448.26	450.47	450.78	451.60	0.035011	8.63	23.26	21.06	1.28
TRIB2B	1	2147.51*	Max WS	190.38	446.37	448.72	449.08	449.99	0.038305	9.14	21.79	18.71	1.34
TRIB2B	1	2099.39	Max WS	191.31	444.48	447.21	447.39	448.23	0.024678	8.20	24.75	18.37	1.09
TRIB2B	1	2049.51*	Max WS	191.29	443.44	445.99	446.15	446.94	0.024574	7.93	25.64	20.35	1.09
TRIB2B	1	1999.63*	Max WS	190.86	442.39	444.79	444.94	445.65	0.023801	7.61	26.93	23.01	1.07
TRIB2B	1	1949.75*	Max WS	187.89	441.35	443.95		444.39	0.009806	5.50	39.53	33.40	0.71
TRIB2B	1	1899.87*	Max WS	187.79	440.30	443.92		443.99	0.000971	2.36	105.71	60.03	0.24
TRIB2B	1	1850	Max WS	187.59	439.26	443.93		443.94	0.000144	1.13	224.07	83.68	0.10
TRIB2B	1	1812.95*	Max WS	187.44	438.45	443.93		443.94	0.000084	0.99	258.59	78.47	0.08
TRIB2B	1	1775.91	Max WS	189.42	437.64	443.80		444.01	0.000963	3.72	52.10	75.88	0.27
TRIB2B	1	1500		Culvert									
TRIB2B	1	1492.23	Max WS	189.42	432.00	434.78	434.98	436.20	0.024167	9.55	19.83	26.06	1.13
TRIB2B	1	1444.15*	Max WS	188.81	431.20	433.83	433.73	434.43	0.015531	6.28	31.66	25.77	0.87
TRIB2B	1	1396.08*	Max WS	225.12	430.40	433.01	433.00	433.72	0.018419	6.79	34.56	27.80	0.95
TRIB2B	1	1348.00*	Max WS	225.12	429.59	432.13	432.09	432.79	0.018210	6.51	35.55	28.94	0.94
TRIB2B	1	1299.93	Max WS	225.11	428.79	431.28	431.20	431.87	0.017604	6.22	36.89	29.69	0.91
TRIB2B	1	1249.93*	Max WS	225.10	427.92	430.39	430.47	430.99	0.017913	6.25	37.73	48.55	0.92
TRIB2B	1	1199.93*	Max WS	225.07	427.04	429.53	429.60	430.08	0.016464	6.03	41.63	59.11	0.88
TRIB2B	1	1149.93*	Max WS	225.06	426.17	428.95		429.21	0.006783	4.38	63.83	66.47	0.59
TRIB2B	1	1099.93	Max WS	225.05	425.29	428.91		428.97	0.001087	2.27	124.59	71.81	0.25
TRIB2	1	8691.55	Max WS	68.00	486.56	487.23	487.39	487.74	0.095484	5.76	11.81	33.25	1.70
TRIB2	1	8665.77*	Max WS	68.00	485.14	485.99	486.14	486.50	0.072097	5.74	11.84	27.06	1.53
TRIB2	1	8640	Max WS	67.99	483.72	485.06	485.17	485.61	0.033947	5.96	11.91	18.08	1.15
TRIB2	1	8593.75*	Max WS	68.17	482.59	483.88	483.92	484.34	0.027514	5.42	12.97	18.22	1.04
TRIB2	1	8547.5*	Max WS	68.34	481.46	482.62	482.69	483.09	0.032498	5.54	12.55	18.47	1.12
TRIB2	1	8501.25*	Max WS	68.50	480.32	481.68		481.90	0.010351	3.80	18.87	22.23	0.66
TRIB2	1	8455	Max WS	68.66	479.19	479.97	480.23	480.84	0.103675	7.51	9.14	18.26	1.87
TRIB2	1	8409.*	Max WS	68.80	476.28	477.20	477.45	478.05	0.088309	7.43	9.26	16.63	1.75
TRIB2	1	8363.*	Max WS	68.95	473.37	474.36	474.69	475.47	0.111867	8.47	8.14	14.30	1.98
TRIB2	1	8317.*	Max WS	69.10	470.45	471.78	471.95	472.48	0.045248	6.75	10.34	14.11	1.33
TRIB2	1	8271.*	Max WS	69.24	467.54	468.84	469.29	470.16	0.103613	9.24	7.50	10.99	1.95
TRIB2	1	8225	Max WS	69.39	464.63	466.26	466.63	467.23	0.052735	8.03	9.64	17.18	1.45
TRIB2	1	8182.5*	Max WS	69.55	463.19	464.80	465.00	465.58	0.043711	7.10	9.85	11.71	1.31
TRIB2	1	8140.*	Max WS	69.71	461.75	463.31	463.45	463.99	0.041911	6.60	10.56	12.65	1.27
TRIB2	1	8097.5*	Max WS	69.88	460.32	461.83	461.95	462.44	0.037617	6.24	11.19	13.48	1.21
TRIB2	1	8055.*	Max WS	70.03	458.88	460.32	460.44	460.92	0.037608	6.17	11.35	13.97	1.21
TRIB2	1	8012.5*	Max WS	70.18	457.44	458.77	458.94	459.44	0.046225	6.58	10.67	13.94	1.33
TRIB2	1	7970	Max WS	70.35	456.00	457.50	457.45	457.89	0.022915	5.01	14.03	16.28	0.95
TRIB2	1	7925.02*	Max WS	70.51	455.00	456.49	456.45	456.87	0.023557	4.97	14.18	17.05	0.96
TRIB2	1	7880.04*	Max WS	70.68	454.00	455.47	455.45	455.86	0.025204	5.01	14.10	17.68	0.99
TRIB2	1	7835.06*	Max WS	70.86	453.00	454.47	454.45	454.84	0.024493	4.87	14.55	18.69	0.97
TRIB2	1	7790.08*	Max WS	71.03	452.00	453.43	453.45	453.83	0.028801	5.08	13.98	19.07	1.05
TRIB2	1	7745.10*	Max WS	71.21	451.00	452.53		452.82	0.019880	4.34	16.41	21.52	0.88
TRIB2	1	7700.13	Max WS	71.38	450.00	451.34	451.44	451.82	0.040550	5.58	12.79	19.64	1.22
TRIB2	1	7653.10*	Max WS	71.56	448.22	449.61	449.71	450.11	0.039238	5.65	12.68	18.63	1.21
TRIB2	1	7606.07*	Max WS	71.73	446.44	447.86	448.01	448.44	0.044996	6.11	11.73	16.90	1.29
TRIB2	1	7559.05*	Max WS	71.91	444.65	446.17	446.31	446.76	0.042421	6.18	11.64	15.71	1.26
TRIB2	1	7512.02*	Max WS	72.08	442.87	444.41	444.62	445.20	0.055855	7.12	10.12	13.46	1.45
TRIB2	1	7465	Max WS	72.24	441.09	443.05	442.99	443.51	0.019602	5.46	13.53	14.08	0.91
TRIB2	1	7421.*	Max WS	72.40	440.56	442.41	442.35	442.84	0.019028	5.30	14.09	15.60	0.90
TRIB2	1	7377.*	Max WS	72.57	440.04	441.76	441.70	442.17	0.018704	5.17	14.69	17.52	0.89
TRIB2	1	7333.*	Max WS	72.74	439.51	441.12	441.07	441.50	0.018226	5.01	15.51	19.93	0.88
TRIB2	1	7289.*	Max WS	72.90	438.99	440.61		440.87	0.011359	4.21	19.75	26.21	0.70
TRIB2	1	7245	Max WS	73.07	438.46	439.68	439.81	440.18	0.033983	5.79	14.02	25.72	1.15
TRIB2	1	7203.65*	Max WS	73.22	437.10	438.40	438.50	438.92	0.032777	5.91	13.29	20.98	1.14
TRIB2	1	7162.30*	Max WS	73.37	435.73	437.05	437.21	437.69	0.041285	6.51	11.82	17.72	1.28
TRIB2	1	7120.95*	Max WS	73.50	434.36	435.96	435.93	436.38	0.019871	5.32	14.99	18.54	0.92
TRIB2	1	7079.61	Max WS	73.62	433.00	435.58	434.67	435.68	0.002192	2.70	33.46	24.86	0.34
TRIB2	1	7000		Bridge									
TRIB2	1	6895.13	Max WS	73.62	430.00	431.70		432.04	0.017076	4.71	15.74	17.12	0.84
TRIB2	1	6849.62*	Max WS	73.62	429.23	430.94		431.29	0.017183	4.75	15.64	17.05	0.84
TRIB2	1	6804.11*	Max WS	73.61	428.45	430.17		430.53	0.017115	4.78	15.56	16.97	0.84
TRIB2	1	6758.6*	Max WS	73.59	427.68	429.41		429.78	0.017137	4.85	15.41	16.86	0.85
TRIB2	1	6713.09*	Max WS	73.58	426.91	428.65		429.02	0.016987	4.90	15.31	16.79	0.85

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	6667.58*	Max WS	68.06	426.14	427.92		428.23	0.013197	4.46	15.71	16.94	0.75
TRIB2	1	6622.07*	Max WS	67.20	425.36	427.64		427.78	0.003593	3.00	25.07	22.93	0.42
TRIB2	1	6576.56	Max WS	67.19	424.59	427.62		427.66	0.000843	1.88	45.61	31.58	0.22
TRIB2	2	6527.5	Max WS	292.24	423.76	426.53	426.81	427.56	0.025030	8.33	39.96	38.85	1.11
TRIB2	2	6487.58*	Max WS	292.23	422.93	425.54	425.79	426.54	0.024707	8.15	40.33	39.23	1.11
TRIB2	2	6447.66*	Max WS	292.22	422.10	424.56	424.79	425.52	0.024583	7.99	40.77	39.95	1.10
TRIB2	2	6407.74*	Max WS	292.21	421.27	423.63	423.80	424.49	0.022094	7.58	43.21	42.10	1.05
TRIB2	2	6367.83	Max WS	292.20	420.44	422.96	422.82	423.48	0.011372	5.99	58.35	52.57	0.77
TRIB2	2	6321.26*	Max WS	292.55	419.79	422.44	422.30	422.95	0.011250	5.95	58.99	56.07	0.76
TRIB2	2	6274.69*	Max WS	292.90	419.14	421.92	421.80	422.43	0.011192	5.93	59.48	59.39	0.76
TRIB2	2	6228.13*	Max WS	293.21	418.50	421.40	421.29	421.91	0.011079	5.88	60.17	62.73	0.76
TRIB2	2	6181.56*	Max WS	293.59	417.85	420.87	420.80	421.39	0.011696	5.97	59.03	65.28	0.77
TRIB2	2	6135	Max WS	293.97	417.20	420.22	420.30	420.88	0.016182	6.63	50.10	62.30	0.89
TRIB2	2	6087.5*	Max WS	294.35	416.43	419.45	419.52	420.14	0.016319	6.74	48.14	55.18	0.90
TRIB2	2	6040.*	Max WS	294.72	415.66	418.67	418.70	419.38	0.016441	6.82	47.20	48.17	0.91
TRIB2	2	5992.5*	Max WS	295.09	414.89	417.89	417.92	418.61	0.016538	6.90	46.98	45.37	0.91
TRIB2	2	5945.*	Max WS	295.46	414.12	417.10	417.14	417.83	0.016614	6.97	47.23	44.83	0.92
TRIB2	2	5897.5*	Max WS	295.83	413.36	416.31	416.38	417.05	0.016678	7.03	47.83	45.50	0.92
TRIB2	2	5850.*	Max WS	296.18	412.59	415.50	415.63	416.26	0.017394	7.16	48.23	56.47	0.94
TRIB2	2	5802.5*	Max WS	296.54	411.82	414.61	414.90	415.41	0.020037	7.47	51.85	84.86	1.00
TRIB2	2	5755	Max WS	296.93	411.05	413.76	413.89	414.28	0.015931	6.55	72.58	115.63	0.89
TRIB2	2	5708.12*	Max WS	297.29	410.28	413.00	413.14	413.54	0.016409	6.66	71.57	117.22	0.90
TRIB2	2	5661.25*	Max WS	297.63	409.51	412.23	412.39	412.79	0.016788	6.74	70.58	115.32	0.91
TRIB2	2	5614.37*	Max WS	297.97	408.74	411.47	411.63	412.04	0.017025	6.79	69.75	111.84	0.92
TRIB2	2	5567.5*	Max WS	298.28	407.97	410.71	410.86	411.27	0.016817	6.76	69.77	107.63	0.91
TRIB2	2	5520.62*	Max WS	298.66	407.20	409.93	410.08	410.52	0.017814	6.92	67.29	101.83	0.94
TRIB2	2	5473.75*	Max WS	296.54	406.43	409.19	409.31	409.73	0.016220	6.67	68.81	96.23	0.90
TRIB2	2	5426.87*	Max WS	299.40	405.66	408.41	408.54	408.99	0.017524	6.89	66.05	89.68	0.93
TRIB2	2	5380	Max WS	299.74	404.89	407.78	407.78	408.20	0.012179	6.03	75.36	84.58	0.79
TRIB2	2	5330.38*	Max WS	300.07	404.21	407.11	407.19	407.66	0.013864	6.55	67.43	86.35	0.84
TRIB2	2	5280.76*	Max WS	300.38	403.53	406.42	406.49	407.04	0.014559	6.77	60.05	70.10	0.87
TRIB2	2	5231.15*	Max WS	300.77	402.85	405.71	405.81	406.40	0.015223	6.95	54.66	62.17	0.89
TRIB2	2	5181.53*	Max WS	301.16	402.17	404.99	405.07	405.71	0.015691	7.05	50.32	51.24	0.90
TRIB2	2	5131.92*	Max WS	301.54	401.49	404.26	404.27	404.98	0.015661	7.01	49.95	42.66	0.90
TRIB2	2	5082.30*	Max WS	301.92	400.81	403.53	403.53	404.24	0.015715	6.98	49.97	42.28	0.90
TRIB2	2	5032.69*	Max WS	302.30	400.12	402.80	402.80	403.50	0.015633	6.93	50.26	42.49	0.90
TRIB2	2	4983.07*	Max WS	302.67	399.44	402.07	402.06	402.76	0.015603	6.88	50.61	42.93	0.90
TRIB2	2	4933.46*	Max WS	303.04	398.76	401.35	401.33	402.02	0.015431	6.82	51.15	43.68	0.89
TRIB2	2	4883.84*	Max WS	303.40	398.08	400.62	400.60	401.29	0.015286	6.76	51.83	45.02	0.88
TRIB2	2	4834.23*	Max WS	303.76	397.40	399.89	399.86	400.55	0.015089	6.69	52.67	46.70	0.88
TRIB2	2	4784.61*	Max WS	304.12	396.72	399.16	399.14	399.81	0.015133	6.65	53.37	49.16	0.88
TRIB2	2	4735	Max WS	304.51	396.04	398.40	398.45	399.06	0.015946	6.72	53.21	52.15	0.90
TRIB2	2	4689.09*	Max WS	304.86	395.31	397.69	397.69	398.36	0.016273	6.79	51.65	46.86	0.91
TRIB2	2	4643.18*	Max WS	305.20	394.58	396.97	396.97	397.65	0.016582	6.84	50.97	45.26	0.92
TRIB2	2	4597.27*	Max WS	305.54	393.85	396.24	396.25	396.94	0.016837	6.88	50.68	44.56	0.92
TRIB2	2	4551.36*	Max WS	305.88	393.12	395.52	395.55	396.22	0.017143	6.92	50.46	44.73	0.93
TRIB2	2	4505.45*	Max WS	306.22	392.39	394.79	394.83	395.50	0.017373	6.96	50.34	45.17	0.94
TRIB2	2	4459.54*	Max WS	306.55	391.65	394.07	394.12	394.79	0.017561	6.99	50.30	45.85	0.94
TRIB2	2	4413.63*	Max WS	306.88	390.92	393.35	393.40	394.07	0.017673	7.02	50.37	46.73	0.94
TRIB2	2	4367.72*	Max WS	307.20	390.19	392.62	392.69	393.35	0.017788	7.04	50.38	47.63	0.95
TRIB2	2	4321.81*	Max WS	307.52	389.46	391.91	391.99	392.63	0.017688	7.04	50.68	48.79	0.95
TRIB2	2	4275.90*	Max WS	307.51	388.73	391.23	391.26	391.90	0.016029	6.82	53.01	51.13	0.90
TRIB2	2	4230	Max WS	306.76	388.00	390.25	390.53	391.26	0.028215	8.18	41.42	42.01	1.17
TRIB2	2	4181.29*	Max WS	301.89	386.63	388.94	389.16	389.86	0.024900	7.86	42.86	43.83	1.10
TRIB2	2	4132.59*	Max WS	293.01	385.26	388.24		388.56	0.005871	4.84	79.11	65.95	0.57
TRIB2	2	4083.89*	Max WS	292.89	383.90	388.24		388.27	0.000444	1.83	304.02	208.63	0.17
TRIB2	2	4035.18*	Max WS	292.70	382.53	388.24		388.25	0.000059	0.82	640.67	239.12	0.07
TRIB2	2	3986.48*	Max WS	292.49	381.16	388.24		388.24	0.000015	0.50	1017.58	265.25	0.03
TRIB2	2	3937.78*	Max WS	292.26	379.79	388.24		388.24	0.000006	0.34	1424.88	286.87	0.02
TRIB2	2	3889.07*	Max WS	414.81	378.42	388.24		388.24	0.000005	0.36	1850.08	294.08	0.02
TRIB2	2	3840.37*	Max WS	414.57	377.06	388.24		388.24	0.000003	0.29	2274.35	298.89	0.02
TRIB2	2	3791.67*	Max WS	414.32	375.69	388.24		388.24	0.000002	0.24	2695.27	303.33	0.01
TRIB2	2	3742.97	Max WS	414.07	374.32	388.22		388.28	0.000078	1.83	226.44	304.03	0.09
TRIB2	2	3500		Culvert									
TRIB2	2	3435.77	Max WS	414.07	369.21	373.63		374.82	0.014078	8.86	48.72	30.29	0.88
TRIB2	2	3389.32*	Max WS	414.06	369.15	373.16	373.01	374.04	0.011680	7.83	62.68	34.01	0.81
TRIB2	2	3342.88*	Max WS	414.05	369.10	372.66	372.49	373.47	0.011823	7.58	66.32	40.69	0.82
TRIB2	2	3296.44*	Max WS	414.04	369.04	372.12	372.05	372.88	0.012870	7.44	69.94	48.66	0.85
TRIB2	2	3250	Max WS	414.01	368.99	371.47	371.53	372.25	0.017125	7.69	69.78	56.37	0.96
TRIB2	2	3203.*	Max WS	414.24	368.05	370.73	370.81	371.55	0.016874	7.76	67.57	53.65	0.95
TRIB2	2	3156.*	Max WS	414.48	367.11	369.97	370.05	370.82	0.016846	7.81	65.62	51.01	0.95
TRIB2	2	3109.*	Max WS	414.71	366.18	369.20	369.29	370.07	0.017125	7.88	63.91	48.77	0.96
TRIB2	2	3062.*	Max WS	414.95	365.24	368.44	368.50	369.31	0.016891	7.83	63.65	47.38	0.95
TRIB2	2	3015	Max WS	415.21	364.30	367.74	367.76	368.54	0.015037	7.52	66.83	49.45	0.90
TRIB2	2	2970.*	Max WS	347.78	363.86	367.37		367.77	0.006552	5.29	80.31	57.96	0.61
TRIB2	2	2925.*	Max WS	347.83	363.41	367.34		367.53	0.002590	3.77	123.21	82.88	0.39
TRIB2	2	2880	Max WS	347.83	362.97	367.34		367.42	0.000949	2.53	196.99	104.29	0.24
TRIB2	2	2834.83*	Max WS	347.81	362.40	367.33		367.38	0.000512	2.08	244.84	102.36	0.18
TRIB2	2	2789.67*	Max WS	347.79	361.84	367.32		367.36	0.000302	1.75	292.81	100.67	0.15
TRIB2	2	2744.50*	Max WS	347.76	361.27	367.32		367.34	0.000192	1.51	340.82	99.28	0.12
TRIB2	2	2699.34	Max WS	347.74	360.70	367.32		367.33	0.000129	1.33	388.84	98.13	0.10

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	2653.25*	Max WS	347.71	360.07	367.32		367.33	0.000100	1.26	435.91	106.86	0.09
TRIB2	2	2607.17*	Max WS	347.66	359.45	367.31		367.32	0.000067	1.10	512.20	116.17	0.07
TRIB2	2	2561.08*	Max WS	347.60	358.82	367.31		367.32	0.000041	0.92	619.05	126.14	0.06
TRIB2	2	2515	Max WS	347.53	358.19	367.32		367.32	0.000024	0.74	757.03	136.36	0.04
TRIB2	2	2475.28*	Max WS	347.33	357.31	367.31		367.32	0.000023	0.78	761.94	138.88	0.05
TRIB2	2	2435.57*	Max WS	347.12	356.42	367.31		367.32	0.000018	0.72	823.50	141.76	0.04
TRIB2	2	2395.85*	Max WS	346.91	355.54	367.31		367.32	0.000012	0.61	940.91	143.43	0.03
TRIB2	2	2356.14	Max WS	346.70	354.66	367.26		367.39	0.000232	2.89	120.09	144.16	0.15
TRIB2	2	2150	Culvert										
TRIB2	2	2107.54	Max WS	346.64	352.00	355.07		355.81	0.010353	6.91	50.17	47.24	0.77
TRIB2	2	2061.69*	Max WS	346.68	351.75	355.00		355.40	0.006318	5.27	79.50	55.36	0.60
TRIB2	2	2015.84*	Max WS	346.41	351.51	354.68		355.11	0.007546	5.61	78.18	61.12	0.65
TRIB2	2	1970	Max WS	339.26	351.26	354.34		354.74	0.008088	5.63	83.01	73.08	0.67
TRIB2	2	1928.*	Max WS	338.52	350.82	354.24		354.46	0.003895	4.29	115.95	85.81	0.47
TRIB2	2	1886.*	Max WS	338.51	350.39	354.21		354.32	0.001797	3.21	163.33	101.88	0.33
TRIB2	2	1844.*	Max WS	338.50	349.95	354.20		354.25	0.000868	2.43	223.62	119.91	0.23
TRIB2	2	1802.*	Max WS	338.48	349.52	354.19		354.22	0.000446	1.89	296.91	139.75	0.17
TRIB2	2	1760	Max WS	338.47	349.08	354.19		354.21	0.000240	1.48	383.94	159.68	0.13
TRIB2	2	1717.77*	Max WS	338.59	348.51	354.18		354.20	0.000185	1.41	403.35	148.55	0.11
TRIB2	2	1675.54*	Max WS	338.70	347.94	354.17		354.19	0.000152	1.36	415.70	138.32	0.10
TRIB2	2	1633.31*	Max WS	338.83	347.37	354.17		354.18	0.000130	1.34	422.81	129.57	0.10
TRIB2	2	1591.08*	Max WS	338.95	346.80	354.16		354.18	0.000115	1.33	427.63	121.75	0.09
TRIB2	2	1548.85*	Max WS	339.07	346.23	354.16		354.17	0.000102	1.32	432.95	113.84	0.09
TRIB2	2	1506.63	Max WS	339.20	345.66	354.02		354.25	0.000758	3.79	89.44	104.68	0.24
TRIB2	2	1400	Culvert										
TRIB2	2	1336.79	Max WS	144.42	342.58	351.62		351.62	0.000017	0.61	238.44	183.48	0.04
TRIB2	2	1296.34*	Max WS	144.41	341.95	351.62		351.62	0.000002	0.22	1020.71	182.00	0.01
TRIB2	2	1255.89*	Max WS	144.39	341.33	351.62		351.62	0.000001	0.20	1106.92	178.28	0.01
TRIB2	2	1215.44*	Max WS	144.38	340.70	351.62		351.62	0.000001	0.18	1190.88	172.31	0.01
TRIB2	2	1175	Max WS	144.37	340.08	351.62		351.62	0.000001	0.17	1274.70	167.18	0.01
TRIB2	2	1125.*	Max WS	144.35	339.49	351.62		351.62	0.000001	0.16	1359.55	172.23	0.01
TRIB2	2	1075.*	Max WS	144.33	338.89	351.62		351.62	0.000001	0.15	1456.90	196.92	0.01
TRIB2	2	1025	Max WS	144.32	338.30	351.62		351.62	0.000001	0.14	1591.62	210.83	0.01
TRIB1	1	15010	Max WS	37.91	485.17	486.20	486.27	486.60	0.036440	5.10	7.70	15.33	1.15
TRIB1	1	14964.*	Max WS	37.89	483.66	484.55	484.59	484.87	0.037415	4.54	8.47	18.73	1.13
TRIB1	1	14918.*	Max WS	37.85	482.16	482.94	482.97	483.20	0.035236	4.04	9.44	22.63	1.07
TRIB1	1	14872.*	Max WS	37.85	480.65	481.29	481.36	481.58	0.054402	4.35	8.73	25.20	1.28
TRIB1	1	14826.*	Max WS	37.84	479.15	479.73	479.76	479.95	0.041443	3.76	10.12	29.73	1.12
TRIB1	1	14780	Max WS	43.80	477.64	478.17	478.21	478.41	0.048767	3.99	11.07	33.73	1.21
TRIB1	1	14731.6*	Max WS	51.61	475.53	476.16	476.27	476.56	0.076132	5.03	10.28	30.44	1.51
TRIB1	1	14683.3*	Max WS	59.12	473.42	474.17	474.34	474.74	0.106029	6.04	9.78	27.63	1.79
TRIB1	1	14635.*	Max WS	66.05	471.32	472.17	472.41	472.97	0.143812	7.19	9.19	25.12	2.09
TRIB1	1	14586.6*	Max WS	72.14	469.21	470.20	470.47	471.11	0.140803	7.65	9.43	23.03	2.11
TRIB1	1	14538.3*	Max WS	75.47	467.10	468.49	468.51	468.87	0.030442	4.90	15.40	23.10	1.06
TRIB1	1	14490	Max WS	77.64	464.99	466.39	466.56	467.01	0.056719	6.31	12.30	20.03	1.42
TRIB1	1	14445.*	Max WS	79.61	462.39	463.75	463.94	464.44	0.060794	6.66	11.96	18.99	1.48
TRIB1	1	14400.*	Max WS	81.03	459.80	461.15	461.34	461.84	0.055580	6.63	12.22	18.27	1.43
TRIB1	1	14355.*	Max WS	83.91	457.20	459.88		459.94	0.001325	2.03	46.35	36.68	0.26
TRIB1	1	14310.*	Max WS	90.31	454.61	459.88		459.89	0.000045	0.67	196.29	74.15	0.06
TRIB1	1	14265	Max WS	98.81	452.01	459.84		459.90	0.000169	1.86	53.24	78.49	0.12
TRIB1	1	14200	Culvert										
TRIB1	1	14122.5	Max WS	98.81	448.36	449.94	450.02	450.68	0.027349	6.88	14.36	24.00	1.11
TRIB1	1	14075.*	Max WS	98.63	447.14	448.69	448.71	449.13	0.025673	5.40	18.74	25.64	1.02
TRIB1	1	14027.5*	Max WS	98.27	445.92	447.43	447.48	447.89	0.027245	5.43	18.80	28.56	1.04
TRIB1	1	13980	Max WS	98.34	444.70	446.21	446.27	446.61	0.024232	5.13	21.37	39.17	0.99
TRIB1	1	13930.*	Max WS	97.59	443.38	445.00	445.05	445.42	0.024493	5.23	19.83	33.82	0.99
TRIB1	1	13880.*	Max WS	97.71	442.05	443.78	443.81	444.22	0.024826	5.32	18.91	28.16	1.00
TRIB1	1	13830.*	Max WS	98.13	440.73	442.55	442.56	443.01	0.024694	5.44	18.21	23.41	1.00
TRIB1	1	13780.*	Max WS	98.44	439.41	441.32	441.32	441.80	0.024836	5.55	17.75	19.62	1.01
TRIB1	1	13730.*	Max WS	98.55	438.08	440.06	440.07	440.58	0.025580	5.75	17.14	17.51	1.02
TRIB1	1	13680	Max WS	98.14	436.76	438.84	438.82	439.34	0.023360	5.69	17.24	16.59	0.98
TRIB1	1	13635.8*	Max WS	97.86	435.83	437.83	437.79	438.29	0.022719	5.43	18.03	18.34	0.96
TRIB1	1	13591.6*	Max WS	98.02	434.89	436.84	436.80	437.27	0.022843	5.26	18.63	19.97	0.96
TRIB1	1	13547.5*	Max WS	98.14	433.96	435.88		436.26	0.021304	4.96	19.78	21.99	0.92
TRIB1	1	13503.3*	Max WS	98.42	433.03	434.88	434.85	435.28	0.024013	5.04	19.54	23.23	0.97
TRIB1	1	13459.1*	Max WS	15.63	432.09	434.65		434.65	0.000071	0.38	43.82	45.50	0.06
TRIB1	1	13415	Max WS	15.58	431.16	434.65		434.65	0.000008	0.18	110.55	79.45	0.02
TRIB1	1	13397.3*	Max WS	126.63	431.29	434.59		434.62	0.000447	1.34	110.22	75.22	0.16
TRIB1	1	13379.6*	Max WS	126.59	431.42	434.58		434.60	0.000320	1.15	126.41	78.22	0.13
TRIB1	1	13361.9*	Max WS	126.55	431.54	434.57		434.59	0.000226	0.98	148.94	86.27	0.11
TRIB1	1	13344.3*	Max WS	126.48	431.67	434.57		434.58	0.000161	0.84	176.30	99.49	0.10
TRIB1	1	13326.64	Max WS	126.40	431.80	434.56		434.57	0.000116	0.72	209.93	118.38	0.08
TRIB1	1	13288.7*	Max WS	126.31	430.60	434.56		434.57	0.000037	0.50	327.14	146.82	0.05
TRIB1	1	13250.8*	Max WS	126.22	429.40	434.56		434.57	0.000014	0.37	480.81	169.18	0.03
TRIB1	1	13212.9*	Max WS	126.11	428.20	434.56		434.56	0.000005	0.26	709.14	194.83	0.02
TRIB1	1	13175	Max WS	125.98	427.00	434.56		434.56	0.000030	0.59	293.79	240.58	0.05
TRIB1	1	13100	Culvert										
TRIB1	1	12910	Max WS	125.98	422.00	424.78	425.01	425.92	0.036525	8.57	14.69	147.75	1.25
TRIB1	1	12866.6*	Max WS	126.28	421.60	423.72		423.87	0.017110	3.28	43.48	105.15	0.77
TRIB1	1	12823.3*	Max WS	126.59	421.20	423.05		423.20	0.017184	3.31	43.54	104.95	0.78
TRIB1	1	12780.*	Max WS	126.90	420.80	422.38		422.53	0.017285	3.35	43.55	104.27	0.78

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	12736.6*	Max WS	127.20	420.40	421.69		421.86	0.019426	3.50	42.01	102.99	0.83
TRIB1	1	12693.3*	Max WS	127.51	420.00	421.07		421.21	0.014759	3.23	46.33	104.75	0.73
TRIB1	1	12650	Max WS	127.81	419.60	420.31	420.33	420.53	0.028262	4.03	37.17	99.87	0.99
TRIB1	1	12607.5*	Max WS	128.11	418.64	419.37	419.41	419.63	0.028449	4.28	34.57	90.05	1.00
TRIB1	1	12565.*	Max WS	128.41	417.67	418.43	418.45	418.70	0.026686	4.33	33.36	74.99	0.98
TRIB1	1	12522.5*	Max WS	128.70	416.71	417.48	417.49	417.76	0.026541	4.45	32.31	67.07	0.99
TRIB1	1	12480.*	Max WS	129.00	415.75	416.53	416.55	416.82	0.024869	4.50	32.12	62.25	0.97
TRIB1	1	12437.5*	Max WS	129.29	414.78	415.57	415.60	415.90	0.026807	4.76	30.38	56.95	1.01
TRIB1	1	12395	Max WS	129.59	413.82	414.74		414.98	0.015987	4.18	35.43	56.32	0.80
TRIB1	1	12345.*	Max WS	129.59	413.04	413.95		414.19	0.015713	4.14	36.07	57.93	0.80
TRIB1	1	12295.*	Max WS	129.58	412.26	413.14		413.38	0.017166	4.25	35.51	59.74	0.83
TRIB1	1	12245.*	Max WS	129.58	411.49	412.35		412.58	0.017122	4.22	36.39	63.40	0.83
TRIB1	1	12195.*	Max WS	129.58	410.71	411.50	411.49	411.77	0.022132	4.55	34.07	65.28	0.93
TRIB1	1	12145	Max WS	129.57	409.93	410.76		410.96	0.015570	3.99	40.75	78.35	0.79
TRIB1	1	12097.*	Max WS	129.56	409.14	410.11		410.34	0.015126	4.08	36.96	62.11	0.78
TRIB1	1	12049.*	Max WS	129.56	408.35	409.42		409.67	0.015291	4.13	34.60	54.01	0.79
TRIB1	1	12001.*	Max WS	129.56	407.57	408.73		408.97	0.014477	4.04	33.99	49.90	0.77
TRIB1	1	11953.*	Max WS	129.56	406.78	407.94		408.23	0.018809	4.33	30.49	44.48	0.86
TRIB1	1	11905	Max WS	129.56	405.99	407.36		407.56	0.010307	3.54	37.09	45.81	0.65
TRIB1	1	11855.*	Max WS	136.52	405.57	406.89		407.09	0.010436	3.63	39.03	50.43	0.66
TRIB1	1	11805.*	Max WS	143.48	405.15	406.41		406.61	0.010753	3.72	41.25	55.53	0.67
TRIB1	1	11755.*	Max WS	150.45	404.74	405.92		406.12	0.010546	3.72	44.78	61.85	0.67
TRIB1	1	11705.*	Max WS	157.41	404.32	405.39		405.59	0.011842	3.85	46.61	68.09	0.70
TRIB1	1	11655	Max WS	164.37	403.90	404.96		405.10	0.008119	3.36	58.42	81.17	0.59
TRIB1	1	11608.9*	Max WS	170.67	403.47	404.57		404.74	0.008620	3.54	56.51	74.71	0.61
TRIB1	1	11562.9*	Max WS	176.98	403.03	404.17		404.34	0.008913	3.63	57.09	75.18	0.62
TRIB1	1	11516.9*	Max WS	183.31	402.60	403.76		403.93	0.008905	3.65	59.57	79.78	0.62
TRIB1	1	11470.9*	Max WS	189.62	402.16	403.27		403.47	0.011397	3.95	58.28	87.97	0.70
TRIB1	1	11424.96	Max WS	195.92	401.73	402.92		403.04	0.006975	3.24	83.91	148.41	0.55
TRIB1	1	11378.9*	Max WS	202.10	401.36	402.56		402.71	0.007664	3.45	74.59	109.33	0.58
TRIB1	1	11332.9*	Max WS	208.28	400.99	402.20		402.35	0.007812	3.52	71.55	91.67	0.59
TRIB1	1	11286.9*	Max WS	214.45	400.61	401.82		401.99	0.008117	3.60	70.41	85.72	0.60
TRIB1	1	11240.9*	Max WS	220.63	400.24	401.44		401.61	0.008135	3.62	71.42	84.90	0.60
TRIB1	1	11195	Max WS	226.80	399.87	400.94		401.16	0.011773	4.05	65.58	86.76	0.71
TRIB1	1	11153.3*	Max WS	227.39	399.24	400.38		400.62	0.012157	4.35	63.26	83.50	0.73
TRIB1	1	11111.6*	Max WS	238.77	398.60	399.79	399.72	400.07	0.014045	4.84	64.39	118.80	0.79
TRIB1	1	11070	Max WS	245.43	397.97	399.45		399.51	0.002906	2.58	142.20	170.99	0.38
TRIB1	1	11023.7*	Max WS	251.18	397.46	399.05		399.32	0.009088	4.54	68.27	73.46	0.66
TRIB1	1	10977.5*	Max WS	257.00	396.96	398.61		398.90	0.009798	4.58	63.95	63.30	0.68
TRIB1	1	10931.2*	Max WS	262.85	396.45	398.16		398.46	0.009885	4.47	64.21	63.25	0.68
TRIB1	1	10884.9*	Max WS	268.74	395.95	397.73		398.01	0.009841	4.34	65.70	64.25	0.68
TRIB1	1	10838.7*	Max WS	274.62	395.44	397.29		397.56	0.009673	4.19	67.93	66.06	0.67
TRIB1	1	10792.4*	Max WS	280.50	394.93	396.86		397.12	0.009574	4.06	70.30	67.60	0.66
TRIB1	1	10746.2*	Max WS	286.38	394.43	396.43		396.67	0.009543	3.96	72.63	68.36	0.65
TRIB1	1	10699.98	Max WS	292.25	393.92	396.04		396.26	0.008424	3.73	78.29	69.48	0.61
TRIB1	1	10655.9*	Max WS	298.95	393.56	395.67		395.90	0.008772	3.84	78.06	70.29	0.63
TRIB1	1	10611.9*	Max WS	304.92	393.20	395.33		395.56	0.008522	3.85	79.62	73.40	0.62
TRIB1	1	10567.9*	Max WS	311.54	392.84	395.00		395.22	0.008125	3.84	82.31	81.02	0.61
TRIB1	1	10524.*	Max WS	311.06	392.48	394.67		394.88	0.007052	3.69	88.75	109.73	0.57
TRIB1	1	10480	Max WS	315.58	392.12	394.51		394.63	0.003445	2.87	133.98	157.67	0.41
TRIB1	1	10440.0*	Max WS	315.39	390.75	394.49		394.52	0.000484	1.52	277.39	187.50	0.17
TRIB1	1	10400.0*	Max WS	315.20	389.37	394.49		394.50	0.000138	1.03	418.09	189.07	0.09
TRIB1	1	10360.08	Max WS	314.99	388.00	394.35		394.56	0.000930	3.60	87.60	236.06	0.26
TRIB1	1	10200		Culvert									
TRIB1	1	10160	Max WS	246.81	387.00	391.27		391.64	0.004015	4.91	50.27	99.31	0.47
TRIB1	1	10111.6*	Max WS	250.73	386.81	391.35		391.47	0.001662	2.95	120.01	99.02	0.31
TRIB1	1	10063.3*	Max WS	248.71	386.62	391.30		391.40	0.001271	2.73	127.74	99.92	0.27
TRIB1	1	10015	Max WS	246.81	386.43	391.29		391.34	0.000626	2.04	178.59	103.88	0.20
TRIB1	1	9966.25*	Max WS	289.42	385.96	391.23		391.30	0.000789	2.40	173.00	106.52	0.22
TRIB1	1	9917.5*	Max WS	289.37	385.49	391.22		391.27	0.000475	1.95	246.10	187.60	0.18
TRIB1	1	9868.75*	Max WS	289.31	385.02	391.22		391.24	0.000158	1.18	421.08	209.40	0.10
TRIB1	1	9820	Max WS	289.25	384.55	391.23		391.23	0.000052	0.70	637.35	217.98	0.06
TRIB1	1	9777.*	Max WS	289.29	384.19	391.22		391.23	0.000111	1.10	451.75	206.40	0.09
TRIB1	1	9734.*	Max WS	289.33	383.83	391.21		391.23	0.000136	1.29	366.65	177.67	0.10
TRIB1	1	9691.*	Max WS	289.37	383.47	391.21		391.22	0.000095	1.13	399.54	141.80	0.08
TRIB1	1	9648.*	Max WS	289.42	383.11	391.21		391.21	0.000058	0.93	494.96	147.26	0.07
TRIB1	1	9605	Max WS	289.47	382.75	391.21		391.21	0.000035	0.74	617.21	156.70	0.05
TRIB1	1	9555.*	Max WS	289.52	382.73	391.20		391.21	0.000031	0.74	615.04	151.23	0.05
TRIB1	1	9505.*	Max WS	289.58	382.71	391.20		391.21	0.000025	0.69	678.35	164.24	0.05
TRIB1	1	9455	Max WS	289.63	382.69	391.20		391.21	0.000016	0.57	786.45	153.74	0.04
TRIB1	1	9407.5*	Max WS	289.69	382.36	391.20		391.21	0.000014	0.56	812.28	151.64	0.03
TRIB1	1	9360.*	Max WS	289.74	382.02	391.20		391.21	0.000013	0.54	837.05	149.10	0.03
TRIB1	1	9312.5*	Max WS	289.80	381.69	391.20		391.21	0.000011	0.52	860.64	146.34	0.03
TRIB1	1	9265	Max WS	289.86	381.36	391.20		391.20	0.000010	0.51	882.73	143.34	0.03
TRIB1	1	9258.09*	Max WS	289.91	381.23	391.20		391.20	0.000010	0.50	887.24	142.63	0.03
TRIB1	1	9251.18*	Max WS	289.97	381.10	391.20		391.20	0.000009	0.49	896.57	141.91	0.03
TRIB1	1	9244.28*	Max WS	290.02	380.97	391.20		391.20	0.000008	0.48	911.28	141.24	0.03
TRIB1	1	9237.37*	Max WS	290.08	380.83	391.20		391.20	0.000007	0.46	931.06	140.60	0.03
TRIB1	1	9230.46*	Max WS	290.13	380.70	391.20		391.20	0.000007	0.44	955.43	139.97	0.02
TRIB1	1	9223.56*	Max WS	290.19	380.57	391.20		391.20	0.000006	0.42	984.74	139.42	0.02
TRIB1	1	9216.65*	Max WS	290.25	380.44	391.20		391.20	0.000005	0.40	1019.22	138.62	0.02

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	9209.75	Max WS	290.31	380.31	391.16		391.26	0.000188	2.47	117.55	138.41	0.13
TRIB1	1	9100		Culvert									
TRIB1	1	9036.32	Max WS	290.31	380.00	382.75	383.14	384.63	0.027663	11.01	26.37	40.21	1.25
TRIB1	1	8992.54*	Max WS	290.41	378.98	381.91		382.49	0.013354	6.15	48.48	32.44	0.82
TRIB1	1	8948.77*	Max WS	290.51	377.96	381.44		381.99	0.010057	5.99	51.08	31.63	0.73
TRIB1	1	8905	Max WS	290.61	376.94	381.26		381.65	0.005594	5.25	66.85	42.83	0.56
TRIB1	1	8862.5*	Max WS	290.71	376.91	381.04		381.43	0.005762	5.31	67.59	44.05	0.57
TRIB1	1	8820.*	Max WS	290.82	376.88	380.82		381.22	0.005844	5.34	68.93	45.47	0.58
TRIB1	1	8777.5*	Max WS	290.92	376.85	380.60		380.99	0.006009	5.39	69.91	46.76	0.58
TRIB1	1	8735.*	Max WS	291.03	376.81	380.36		380.75	0.006177	5.43	71.20	48.38	0.59
TRIB1	1	8692.5*	Max WS	291.13	376.78	380.13		380.50	0.006340	5.45	72.72	50.33	0.60
TRIB1	1	8650	Max WS	291.23	376.75	379.89		380.25	0.006322	5.40	75.77	53.43	0.60
TRIB1	1	8606.66*	Max WS	293.66	376.50	379.54		379.96	0.007491	5.53	64.84	44.05	0.65
TRIB1	1	8563.33*	Max WS	293.77	376.25	379.20		379.63	0.008030	5.39	60.53	39.50	0.66
TRIB1	1	8520	Max WS	293.89	376.00	378.83		379.26	0.009209	5.34	57.51	37.35	0.69
TRIB1	1	8471.42*	Max WS	294.00	375.67	378.42		378.84	0.009155	5.25	58.99	40.14	0.69
TRIB1	1	8422.85*	Max WS	294.12	375.33	378.01		378.42	0.009120	5.16	60.60	43.31	0.68
TRIB1	1	8374.28*	Max WS	294.22	375.00	377.62		378.00	0.008879	5.04	62.83	46.93	0.67
TRIB1	1	8325.71*	Max WS	294.34	374.67	377.18		377.56	0.009333	5.03	63.50	50.39	0.69
TRIB1	1	8277.14*	Max WS	294.45	374.34	376.76		377.13	0.009676	5.01	64.61	54.19	0.70
TRIB1	1	8228.57*	Max WS	294.34	374.00	376.35		376.71	0.009487	4.89	67.23	58.91	0.69
TRIB1	1	8180	Max WS	293.33	373.67	376.04		376.32	0.007585	4.46	75.64	66.18	0.62
TRIB1	1	8139.*	Max WS	290.64	372.96	375.84		376.05	0.004769	3.85	84.71	63.69	0.50
TRIB1	1	8098.*	Max WS	289.85	372.25	375.75		375.90	0.002605	3.15	104.51	71.03	0.38
TRIB1	1	8057.*	Max WS	288.31	371.53	375.72		375.81	0.001441	2.58	131.44	85.13	0.29
TRIB1	1	8016.*	Max WS	287.83	370.82	375.70		375.76	0.000814	2.11	175.50	124.93	0.22
TRIB1	1	7975	Max WS	287.33	370.11	375.69		375.73	0.000434	1.65	243.58	156.51	0.16
TRIB1	1	7926.42*	Max WS	306.85	369.89	375.67		375.71	0.000353	1.63	267.00	144.33	0.15
TRIB1	1	7877.85*	Max WS	307.00	369.67	375.66		375.69	0.000271	1.55	283.74	132.46	0.13
TRIB1	1	7829.28*	Max WS	306.67	369.45	375.65		375.68	0.000223	1.51	294.38	122.69	0.12
TRIB1	1	7780.71*	Max WS	306.83	369.22	375.64		375.67	0.000193	1.50	302.84	115.58	0.12
TRIB1	1	7732.14*	Max WS	306.47	369.00	375.63		375.66	0.000168	1.48	316.83	113.50	0.11
TRIB1	1	7683.57*	Max WS	306.62	368.78	375.63		375.65	0.000140	1.42	340.77	109.30	0.10
TRIB1	1	7635	Max WS	306.78	368.56	375.63		375.64	0.000108	1.31	366.29	96.65	0.09
TRIB1	1	7585.*	Max WS	306.95	368.34	375.62		375.64	0.000079	1.14	416.92	107.48	0.08
TRIB1	1	7535.*	Max WS	307.12	368.13	375.62		375.63	0.000059	0.99	472.74	117.74	0.07
TRIB1	1	7485.*	Max WS	307.28	367.91	375.62		375.63	0.000044	0.86	533.34	127.68	0.06
TRIB1	1	7435.*	Max WS	307.45	367.70	375.62		375.63	0.000034	0.76	599.04	137.39	0.05
TRIB1	1	7385	Max WS	307.62	367.48	375.62		375.63	0.000026	0.67	669.07	147.05	0.05
TRIB1	1	7335.83*	Max WS	307.21	366.90	375.62		375.62	0.000018	0.60	788.67	169.09	0.04
TRIB1	1	7286.66*	Max WS	307.95	366.32	375.62		375.62	0.000013	0.53	937.82	196.80	0.03
TRIB1	1	7237.5*	Max WS	308.11	365.74	375.62		375.62	0.000009	0.46	1120.58	221.20	0.03
TRIB1	1	7188.33*	Max WS	307.68	365.16	375.62		375.62	0.000006	0.40	1335.17	246.26	0.02
TRIB1	1	7139.16*	Max WS	308.44	364.58	375.62		375.62	0.000004	0.34	1583.26	271.45	0.02
TRIB1	1	7090	Max WS	308.60	364.00	375.62		375.62	0.000003	0.29	1864.19	296.35	0.02
TRIB1	1	7044.28*	Max WS	308.11	363.55	375.62		375.62	0.000003	0.31	1769.51	280.41	0.02
TRIB1	1	6998.57*	Max WS	308.25	363.11	375.62		375.62	0.000003	0.31	1701.85	263.70	0.02
TRIB1	1	6952.85*	Max WS	308.38	362.66	375.62		375.62	0.000003	0.31	1662.64	246.26	0.02
TRIB1	1	6907.14*	Max WS	309.21	362.22	375.62		375.62	0.000002	0.30	1653.07	229.11	0.02
TRIB1	1	6861.42*	Max WS	309.36	361.77	375.62		375.62	0.000002	0.29	1673.97	209.77	0.01
TRIB1	1	6815.71*	Max WS	309.51	361.33	375.62		375.62	0.000002	0.27	1719.17	195.79	0.01
TRIB1	1	6770	Max WS	309.66	360.88	375.62		375.62	0.000001	0.25	1781.75	185.39	0.01
TRIB1	1	6721.48*	Max WS	390.85	359.92	375.62		375.62	0.000001	0.25	2137.45	213.35	0.01
TRIB1	1	6672.96*	Max WS	390.84	358.96	375.62		375.62	0.000001	0.20	2513.37	241.74	0.01
TRIB1	1	6624.45	Max WS	390.84	358.00	375.61		375.64	0.000030	1.39	281.74	270.59	0.06
TRIB1	1	6400		Culvert									
TRIB1	1	6265	Max WS	390.83	356.64	360.33		360.98	0.009160	6.46	60.66	45.82	0.71
TRIB1	1	6217.5*	Max WS	390.72	356.10	360.09		360.61	0.007358	5.84	73.94	48.52	0.64
TRIB1	1	6170.*	Max WS	390.31	355.55	359.76		360.27	0.006749	5.83	75.70	48.69	0.62
TRIB1	1	6122.5*	Max WS	388.64	355.01	359.49		359.97	0.005718	5.66	80.60	50.49	0.57
TRIB1	1	6075	Max WS	386.75	354.47	359.32		359.72	0.004350	5.28	90.90	54.53	0.50
TRIB1	1	6036.25*	Max WS	400.36	354.59	359.18		359.54	0.004127	4.99	94.70	54.07	0.49
TRIB1	1	5997.5*	Max WS	400.36	354.71	359.07		359.38	0.003765	4.60	99.32	54.90	0.47
TRIB1	1	5958.75*	Max WS	400.36	354.83	358.95		359.23	0.003730	4.38	101.63	55.84	0.46
TRIB1	1	5920	Max WS	400.36	354.95	358.80		359.08	0.004091	4.32	100.67	56.73	0.48
TRIB1	1	5871.25*	Max WS	400.60	354.76	358.55		358.89	0.004645	4.73	94.11	52.84	0.52
TRIB1	1	5822.5*	Max WS	400.84	354.57	358.21		358.65	0.006305	5.49	84.37	51.60	0.60
TRIB1	1	5773.75*	Max WS	401.08	354.37	357.68	357.60	358.35	0.011331	6.92	73.22	57.80	0.79
TRIB1	1	5725	Max WS	401.33	354.18	357.56		357.78	0.004993	4.76	127.15	79.89	0.53
TRIB1	1	5685.*	Max WS	401.52	353.76	357.31		357.60	0.005297	5.17	116.26	72.76	0.55
TRIB1	1	5645.*	Max WS	401.72	353.33	357.09		357.42	0.005130	5.36	109.69	67.04	0.54
TRIB1	1	5605	Max WS	396.52	352.91	356.93		357.24	0.004058	5.08	109.87	59.85	0.49
TRIB1	1	5562.*	Max WS	396.70	352.79	356.70		357.07	0.004740	5.41	99.50	55.10	0.53
TRIB1	1	5519.*	Max WS	396.88	352.66	356.44		356.87	0.005569	5.72	91.16	51.80	0.57
TRIB1	1	5476.*	Max WS	402.54	352.54	356.06		356.62	0.007909	6.45	80.28	52.49	0.68
TRIB1	1	5433.*	Max WS	402.76	352.41	355.69	355.59	356.32	0.010007	6.84	79.57	71.95	0.75
TRIB1	1	5390	Max WS	402.96	352.29	355.63		355.84	0.004399	4.61	147.47	125.17	0.50
TRIB1	1	5343.*	Max WS	403.17	351.86	355.07	354.91	355.69	0.010297	6.77	76.34	54.37	0.76
TRIB1	1	5296.*	Max WS	403.39	351.43	354.61	354.47	355.25	0.010898	6.85	74.63	53.59	0.78
TRIB1	1	5249.*	Max WS	403.60	351.00	354.22		354.80	0.010142	6.60	79.16	58.63	0.75
TRIB1	1	5202.*	Max WS	403.81	350.57	353.94		354.38	0.007447	5.82	93.36	65.98	0.65

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	5155	Max WS	404.03	350.14	353.83		354.08	0.004136	4.64	122.34	75.37	0.49
TRIB1	1	5108.75*	Max WS	404.21	349.93	353.63		353.89	0.004210	4.86	121.28	70.62	0.50
TRIB1	1	5062.5*	Max WS	404.49	349.73	353.40		353.69	0.004666	5.26	116.72	65.65	0.53
TRIB1	1	5016.25*	Max WS	404.77	349.52	353.10		353.45	0.005966	6.02	107.40	60.64	0.60
TRIB1	1	4970	Max WS	405.05	349.31	352.63		353.11	0.010176	7.65	91.19	56.39	0.78
TRIB1	1	4926.66*	Max WS	405.28	348.97	352.11		352.75	0.011398	7.99	81.72	52.57	0.83
TRIB1	1	4883.33*	Max WS	326.51	348.63	351.90		352.22	0.004801	5.46	90.34	51.59	0.55
TRIB1	1	4840	Max WS	317.46	348.29	351.81		352.02	0.002560	4.28	107.05	52.92	0.41
TRIB1	1	4798.*	Max WS	311.61	347.89	351.75		351.92	0.001863	3.81	118.71	55.10	0.35
TRIB1	1	4756.*	Max WS	310.22	347.49	351.71		351.84	0.001365	3.41	132.38	57.51	0.30
TRIB1	1	4714.*	Max WS	308.82	347.08	351.68		351.79	0.000991	3.05	147.98	60.05	0.26
TRIB1	1	4672.*	Max WS	307.43	346.68	351.66		351.75	0.000716	2.73	165.52	62.53	0.22
TRIB1	1	4630	Max WS	307.49	346.28	351.65		351.72	0.000527	2.46	184.34	64.95	0.19
TRIB1	1	4582.*	Max WS	306.12	345.93	351.64		351.69	0.000376	2.15	211.21	70.85	0.17
TRIB1	1	4534.*	Max WS	306.18	345.58	351.63		351.67	0.000271	1.90	242.24	77.91	0.14
TRIB1	1	4486.*	Max WS	306.24	345.22	351.63		351.66	0.000195	1.67	278.43	86.11	0.12
TRIB1	1	4438.*	Max WS	306.30	344.87	351.63		351.65	0.000139	1.47	322.27	96.11	0.10
TRIB1	1	4390	Max WS	306.35	344.52	351.62		351.64	0.000097	1.27	381.75	110.96	0.09
TRIB1	1	4341.25*	Max WS	306.40	343.89	351.63		351.64	0.000059	1.04	469.97	122.30	0.07
TRIB1	1	4292.5*	Max WS	306.45	343.26	351.63		351.63	0.000037	0.87	567.88	133.87	0.06
TRIB1	1	4243.75*	Max WS	306.50	342.63	351.63		351.63	0.000024	0.74	675.38	145.86	0.05
TRIB1	1	4195	Max WS	306.55	342.00	351.63		351.63	0.000016	0.63	793.02	159.43	0.04
TRIB1	1	4147.5*	Max WS	306.60	341.61	351.63		351.63	0.000020	0.70	730.76	158.64	0.04
TRIB1	1	4100.*	Max WS	306.66	341.21	351.62		351.63	0.000020	0.71	721.31	152.49	0.04
TRIB1	1	4052.5*	Max WS	306.71	340.82	351.62		351.63	0.000018	0.68	754.86	151.91	0.04
TRIB1	1	4005	Max WS	306.77	340.42	351.62		351.63	0.000016	0.62	815.77	154.58	0.04
TRIB1	1	3955.*	Max WS	306.82	340.99	351.62		351.63	0.000014	0.59	829.06	145.07	0.03
TRIB1	1	3905	Max WS	306.88	341.56	351.62		351.63	0.000013	0.56	825.88	134.98	0.03
TRIB1	1	3856.25*	Max WS	306.86	341.04	351.62		351.62	0.000014	0.62	778.76	127.38	0.04
TRIB1	1	3807.5*	Max WS	306.85	340.52	351.62		351.62	0.000014	0.66	761.81	124.08	0.04
TRIB1	1	3758.75*	Max WS	306.84	340.01	351.62		351.62	0.000014	0.67	784.81	125.11	0.04
TRIB1	1	3710	Max WS	306.82	339.49	351.62		351.62	0.000011	0.63	857.64	130.16	0.03
TRIB1	1	3666.*	Max WS	306.80	339.25	351.62		351.62	0.000007	0.49	1076.35	162.96	0.03
TRIB1	1	3622.*	Max WS	306.78	339.02	351.62		351.62	0.000004	0.40	1307.64	198.31	0.02
TRIB1	1	3578.	Max WS	306.75	338.78	351.62		351.62	0.000003	0.33	1554.70	236.84	0.02
TRIB1	2	3534.	Max WS	451.07	338.15	351.62		351.62	0.000005	0.46	1864.95	283.87	0.02
TRIB1	2	3490	Max WS	451.04	337.96	351.62		351.62	0.000004	0.38	2235.26	338.29	0.02
TRIB1	2	3441.18*	Max WS	451.13	337.67	351.62		351.62	0.000004	0.39	2160.05	315.11	0.02
TRIB1	2	3392.36*	Max WS	451.22	337.38	351.62		351.62	0.000004	0.41	2073.31	291.65	0.02
TRIB1	2	3343.55*	Max WS	451.32	337.08	351.62		351.62	0.000004	0.43	1976.08	268.78	0.02
TRIB1	2	3294.73*	Max WS	451.42	336.79	351.62		351.62	0.000004	0.45	1867.64	244.96	0.02
TRIB1	2	3245.91*	Max WS	451.52	336.50	351.62		351.62	0.000005	0.48	1748.58	222.82	0.02
TRIB1	2	3197.1	Max WS	451.62	336.21	351.62	339.89	351.62	0.000006	0.52	1621.13	203.99	0.02
TRIB1	2	3100		Bridge									
TRIB1	2	3033.95	Max WS	451.62	336.09	351.62		351.62	0.000004	0.44	1837.56	230.24	0.02
TRIB1	2	2989.39*	Max WS	451.60	335.91	351.62		351.62	0.000004	0.42	1921.47	238.71	0.02
TRIB1	2	2944.84*	Max WS	451.58	335.73	351.62		351.62	0.000003	0.41	2011.52	248.33	0.02
TRIB1	2	2900.28*	Max WS	451.56	335.56	351.62		351.62	0.000003	0.39	2107.36	252.62	0.02
TRIB1	2	2855.73*	Max WS	451.54	335.38	351.62		351.62	0.000003	0.37	2204.93	254.42	0.02
TRIB1	2	2811.17*	Max WS	451.52	335.20	351.62		351.62	0.000002	0.36	2304.28	256.23	0.02
TRIB1	2	2766.62*	Max WS	451.50	335.02	351.62		351.62	0.000002	0.34	2405.31	258.03	0.02
TRIB1	2	2722.06*	Max WS	451.47	334.85	351.62		351.62	0.000002	0.33	2507.80	259.83	0.01
TRIB1	2	2677.51*	Max WS	451.46	334.67	351.62		351.62	0.000002	0.31	2611.80	261.63	0.01
TRIB1	2	2632.96	Max WS	451.44	334.49	351.62		351.62	0.000002	0.30	2717.54	263.43	0.01
TRIB1	2	2585.95*	Max WS	451.41	333.99	351.62		351.62	0.000001	0.27	2958.06	279.83	0.01
TRIB1	2	2538.94*	Max WS	451.38	333.49	351.62		351.62	0.000001	0.25	3210.77	296.23	0.01
TRIB1	2	2491.94*	Max WS	451.36	333.00	351.62		351.62	0.000001	0.23	3475.83	312.64	0.01
TRIB1	2	2444.93*	Max WS	451.33	332.50	351.62		351.62	0.000001	0.21	3752.88	329.04	0.01
TRIB1	2	2397.93	Max WS	451.30	332.00	351.60		351.66	0.000053	1.94	232.41	345.44	0.08
TRIB1	2	2200		Culvert									
TRIB1	2	2065	Max WS	451.29	330.41	333.82		334.92	0.013007	8.56	54.73	54.12	0.89
TRIB1	2	1965	Max WS	451.28	330.41	333.41		333.69	0.004849	4.59	126.16	86.26	0.52
TRIB1	2	1915.*	Max WS	451.26	330.01	333.13		333.45	0.005355	4.76	116.89	82.27	0.55
TRIB1	2	1865.*	Max WS	450.55	329.60	332.83		333.17	0.005716	4.85	111.26	82.14	0.57
TRIB1	2	1815	Max WS	448.72	329.20	332.57		332.89	0.005304	4.67	115.26	89.07	0.54
TRIB1	2	1770.*	Max WS	274.14	328.71	332.42		332.52	0.001501	2.77	123.11	79.13	0.30
TRIB1	2	1725.*	Max WS	469.55	328.22	332.10		332.47	0.004709	5.20	116.32	71.03	0.53
TRIB1	2	1680.*	Max WS	469.55	327.72	331.83		332.28	0.005312	5.86	109.53	65.01	0.57
TRIB1	2	1635	Max WS	469.54	327.23	331.23	331.19	332.09	0.010864	8.26	81.27	52.50	0.81
TRIB1	2	1595.*	Max WS	469.53	326.85	330.76	330.67	331.62	0.010849	7.99	77.35	47.32	0.81
TRIB1	2	1555.*	Max WS	469.54	326.47	330.40		331.15	0.009340	7.34	79.94	45.51	0.75
TRIB1	2	1515.*	Max WS	469.54	326.08	330.20		330.77	0.006663	6.35	90.25	46.84	0.63
TRIB1	2	1475	Max WS	469.53	325.70	330.11		330.51	0.004267	5.32	106.64	49.82	0.51
TRIB1	2	1435.00*	Max WS	469.52	325.99	330.00		330.34	0.003798	4.85	113.76	53.95	0.48
TRIB1	2	1395.01	Max WS	469.52	326.28	329.89		330.19	0.003656	4.55	119.02	58.15	0.47
TRIB1	2	1347.50*	Max WS	469.70	326.35	329.66		330.00	0.004843	4.89	117.22	75.76	0.53
TRIB1	2	1300	Max WS	469.85	326.43	329.52		329.78	0.004194	4.47	142.47	103.68	0.49
TRIB1	2	1263.33*	Max WS	469.78	326.11	329.29		329.63	0.005621	5.26	136.87	121.23	0.57
TRIB1	2	1226.66*	Max WS	469.74	325.79	328.93	328.96	329.42	0.009685	6.72	124.46	142.18	0.74
TRIB1	2	1190	Max WS	469.71	325.47	328.64		329.00	0.011011	6.92	140.57	158.86	0.76
ALDER	1	17980	Max WS	248.21	344.61	348.52		348.73	0.004875	3.89	83.57	95.15	0.43

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17934.1*	Max WS	248.16	344.54	348.34		348.56	0.005258	4.05	77.58	82.73	0.45
ALDER	1	17888.3*	Max WS	248.15	344.46	348.12		348.36	0.005565	4.14	73.72	67.62	0.46
ALDER	1	17842.5*	Max WS	248.13	344.39	347.84		348.09	0.006157	4.25	70.25	55.52	0.49
ALDER	1	17796.6*	Max WS	248.13	344.32	347.59		347.84	0.006531	4.30	69.98	55.85	0.50
ALDER	1	17750.8*	Max WS	248.12	344.24	347.35		347.58	0.006615	4.27	71.43	57.65	0.50
ALDER	1	17705	Max WS	248.10	344.17	347.13		347.33	0.006226	4.10	75.21	60.61	0.49
ALDER	1	17663.7*	Max WS	248.38	343.76	346.85		347.10	0.006976	4.52	70.44	59.19	0.52
ALDER	1	17622.5*	Max WS	248.70	343.35	346.56		346.87	0.008292	5.07	65.64	60.41	0.57
ALDER	1	17581.2*	Max WS	249.00	342.93	346.26		346.58	0.008823	5.37	70.98	83.86	0.59
ALDER	1	17540	Max WS	249.30	342.52	346.04		346.23	0.006031	4.59	87.92	93.35	0.49
ALDER	1	17490.4*	Max WS	249.63	342.38	345.76		345.96	0.006372	4.64	84.66	87.89	0.50
ALDER	1	17440.9*	Max WS	249.95	342.24	345.49		345.70	0.006632	4.66	83.03	85.28	0.51
ALDER	1	17391.3*	Max WS	250.27	342.11	345.23		345.44	0.006732	4.63	82.33	83.36	0.51
ALDER	1	17341.8*	Max WS	250.61	341.97	344.98		345.18	0.006663	4.55	82.61	82.24	0.51
ALDER	1	17292.2*	Max WS	250.94	341.83	344.74		344.93	0.006448	4.42	83.72	81.42	0.50
ALDER	1	17242.7*	Max WS	251.28	341.69	344.50		344.67	0.006183	4.27	85.16	80.82	0.49
ALDER	1	17193.1*	Max WS	251.61	341.55	344.25		344.42	0.005935	4.13	86.59	80.05	0.48
ALDER	1	17143.6*	Max WS	251.91	341.41	343.99		344.15	0.005956	4.05	86.59	78.77	0.48
ALDER	1	17094.0*	Max WS	252.25	341.28	343.71		343.87	0.006280	4.04	85.00	76.77	0.49
ALDER	1	17044.5*	Max WS	252.58	341.14	343.43		343.59	0.006370	3.96	84.72	75.49	0.49
ALDER	1	16995	Max WS	252.91	341.00	343.17		343.33	0.006263	3.84	85.50	74.87	0.48
ALDER	1	16950.8*	Max WS	253.22	340.58	342.93		343.08	0.006408	3.89	87.49	82.56	0.49
ALDER	1	16906.6*	Max WS	253.53	340.17	342.64		342.80	0.006859	3.98	87.04	87.17	0.50
ALDER	1	16862.5*	Max WS	253.84	339.76	342.30		342.48	0.007969	4.17	82.90	88.14	0.54
ALDER	1	16818.3*	Max WS	254.14	339.34	341.95		342.15	0.008700	4.21	78.97	82.35	0.55
ALDER	1	16774.1*	Max WS	254.46	338.93	341.61		341.80	0.008840	4.09	76.61	75.99	0.55
ALDER	1	16730	Max WS	254.77	338.51	341.23		341.44	0.009413	4.02	72.75	69.12	0.56
ALDER	1	16684.2*	Max WS	255.09	338.02	340.85		341.07	0.010046	4.25	70.44	66.23	0.58
ALDER	1	16638.5*	Max WS	255.39	337.54	340.46		340.70	0.010372	4.43	69.06	65.03	0.60
ALDER	1	16592.8*	Max WS	255.70	337.05	340.06		340.32	0.010845	4.62	67.17	65.05	0.61
ALDER	1	16547.1*	Max WS	256.00	336.57	339.65		339.94	0.011097	4.75	65.24	65.32	0.62
ALDER	1	16501.4*	Max WS	256.29	336.08	339.25		339.57	0.010818	4.78	63.81	65.52	0.62
ALDER	1	16455.7*	Max WS	256.59	335.60	338.86		339.17	0.009967	4.68	63.11	62.81	0.60
ALDER	1	16410	Max WS	256.90	335.11	338.49		338.78	0.008290	4.39	65.31	58.41	0.55
ALDER	1	16364.1*	Max WS	257.20	334.74	338.13		338.42	0.008303	4.45	65.51	59.85	0.55
ALDER	1	16318.3*	Max WS	257.51	334.37	337.78		338.07	0.008341	4.52	65.64	60.80	0.55
ALDER	1	16272.5*	Max WS	257.81	334.01	337.42		337.72	0.008211	4.55	66.34	60.49	0.55
ALDER	1	16226.6*	Max WS	258.10	333.64	337.07		337.36	0.008123	4.59	66.80	59.66	0.55
ALDER	1	16180.8*	Max WS	258.41	333.27	336.72		337.01	0.007919	4.60	67.80	60.27	0.55
ALDER	1	16135	Max WS	258.73	332.90	336.38		336.66	0.007456	4.56	70.69	65.56	0.53
ALDER	1	16089.*	Max WS	259.03	332.83	336.05		336.37	0.009101	4.95	66.83	69.12	0.59
ALDER	1	16043.*	Max WS	259.34	332.75	335.74		336.05	0.009519	5.00	67.75	69.38	0.60
ALDER	1	15997.*	Max WS	259.64	332.68	335.36		335.65	0.009899	4.94	69.21	67.79	0.61
ALDER	1	15951.*	Max WS	259.94	332.60	334.98		335.23	0.009650	4.70	71.71	66.47	0.60
ALDER	1	15905	Max WS	260.24	332.53	334.71		334.88	0.006760	3.92	82.19	67.01	0.50
ALDER	1	15856.*	Max WS	260.57	331.89	334.32		334.54	0.008739	4.50	76.35	71.97	0.57
ALDER	1	15807.*	Max WS	260.89	331.25	333.97		334.21	0.009488	4.77	75.96	85.77	0.59
ALDER	1	15758.*	Max WS	261.14	330.62	333.65		333.86	0.007846	4.46	83.09	135.12	0.54
ALDER	1	15709.*	Max WS	261.46	329.98	333.44		333.57	0.004429	3.53	102.26	154.00	0.41
ALDER	1	15660	Max WS	261.77	329.34	332.71	332.98	333.62	0.028157	7.99	38.54	139.10	0.99
ALDER	1	15611.2*	Max WS	261.74	328.45	331.74	331.75	332.21	0.016999	6.17	54.93	113.00	0.77
ALDER	1	15562.5*	Max WS	261.72	327.57	330.95	331.07	331.67	0.019894	7.01	43.45	68.51	0.85
ALDER	1	15513.7*	Max WS	261.71	326.68	330.10	329.89	330.77	0.017113	6.69	41.83	58.06	0.79
ALDER	1	15465	Max WS	103.89	325.80	329.78		329.83	0.000937	1.85	64.14	84.92	0.19
ALDER	1	15426.2*	Max WS	304.66	325.47	329.13		329.66	0.011664	6.14	56.80	61.95	0.68
ALDER	1	15387.5*	Max WS	304.63	325.14	328.95		329.27	0.007034	5.04	78.82	63.04	0.53
ALDER	1	15348.7*	Max WS	304.49	324.82	328.83		329.04	0.004432	4.26	93.35	60.36	0.43
ALDER	1	15310	Max WS	304.49	324.49	328.74	327.54	328.89	0.002805	3.60	106.87	55.03	0.35
ALDER	1	15300		Bridge									
ALDER	1	15170	Max WS	303.66	324.73	328.40		328.51	0.003242	3.05	129.76	102.66	0.35
ALDER	1	15125.*	Max WS	303.20	324.30	328.34		328.40	0.001596	2.42	170.96	119.63	0.25
ALDER	1	15080.	Max WS	302.66	323.87	328.32		328.35	0.000472	1.47	260.94	130.37	0.14
ALDER	2a	15035.	Max WS	749.48	323.45	328.17		328.28	0.002309	3.49	319.06	164.14	0.32
ALDER	2a	14990.*	Max WS	749.47	323.02	328.08		328.18	0.002150	3.54	333.03	191.47	0.31
ALDER	2a	14945	Max WS	749.45	322.59	328.05		328.10	0.000793	2.27	452.85	171.85	0.19
ALDER	2a	14899.1*	Max WS	804.47	322.52	327.91		328.04	0.002135	3.66	314.41	147.33	0.32
ALDER	2a	14853.3*	Max WS	804.46	322.44	327.69		327.93	0.003559	4.59	234.04	106.83	0.40
ALDER	2a	14807.5*	Max WS	804.45	322.36	327.43		327.75	0.004617	5.04	197.35	84.64	0.46
ALDER	2a	14761.6*	Max WS	805.06	322.29	327.11		327.51	0.005968	5.47	173.56	75.60	0.51
ALDER	2a	14715.8*	Max WS	805.66	322.22	326.87		327.25	0.006183	5.38	197.90	170.96	0.52
ALDER	2a	14670	Max WS	806.26	322.14	326.92		326.96	0.000974	2.18	497.13	239.13	0.21
ALDER	2a	14623.*	Max WS	812.67	322.14	326.84		326.90	0.001548	2.65	425.21	234.58	0.26
ALDER	2a	14576.*	Max WS	813.27	322.15	326.75		326.82	0.001879	2.80	397.99	231.20	0.28
ALDER	2a	14529.*	Max WS	813.90	322.15	326.65		326.73	0.002112	2.83	388.66	237.80	0.30
ALDER	2a	14482.*	Max WS	814.53	322.16	326.54		326.62	0.002389	2.87	382.07	248.13	0.31
ALDER	2a	14435	Max WS	815.16	322.16	326.41		326.49	0.002777	2.93	374.88	268.06	0.33
ALDER	2a	14385.*	Max WS	815.15	322.17	326.09		326.30	0.007324	4.47	270.31	276.48	0.53
ALDER	2a	14335.*	Max WS	815.10	322.19	325.76		325.95	0.007362	4.12	257.13	216.34	0.52
ALDER	2a	14285.*	Max WS	811.58	322.21	325.51		325.64	0.005209	3.24	284.93	200.11	0.43
ALDER	2a	14235	Max WS	811.27	322.22	325.32		325.43	0.003797	2.61	307.64	192.66	0.36
ALDER	2a	14192.*	Max WS	811.04	321.32	324.65		325.20	0.016562	6.15	146.77	116.44	0.78

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14149.*	Max WS	815.06	320.42	323.94		324.55	0.014975	6.42	136.62	84.50	0.76
ALDER	2a	14106.*	Max WS	815.05	319.52	323.40		323.98	0.011177	6.30	141.71	75.52	0.68
ALDER	2a	14063.*	Max WS	815.02	318.62	323.03		323.58	0.007962	6.15	152.34	75.70	0.59
ALDER	2a	14020	Max WS	815.03	317.72	322.71		323.27	0.006698	6.40	157.42	76.49	0.56
ALDER	2a	13975.*	Max WS	815.39	317.79	322.48		322.98	0.006423	6.09	164.96	80.63	0.54
ALDER	2a	13930.*	Max WS	815.77	317.86	322.23		322.69	0.006413	5.86	170.40	83.58	0.54
ALDER	2a	13885.*	Max WS	816.14	317.93	321.95		322.40	0.006814	5.76	172.82	87.18	0.55
ALDER	2a	13840	Max WS	816.51	318.00	321.66		322.09	0.007467	5.69	176.52	96.27	0.57
ALDER	2a	13795.*	Max WS	816.94	317.57	321.33		321.74	0.007677	5.74	181.28	103.64	0.58
ALDER	2a	13750	Max WS	817.37	317.13	321.04		321.40	0.006987	5.50	199.54	120.90	0.55
ALDER	2a	13703.7*	Max WS	817.78	316.85	320.63		321.06	0.008065	5.83	177.37	100.76	0.59
ALDER	2a	13657.5*	Max WS	818.18	316.57	320.24		320.69	0.008275	5.84	171.97	94.87	0.59
ALDER	2a	13611.2*	Max WS	818.55	316.28	319.84		320.30	0.008564	5.86	168.11	92.50	0.60
ALDER	2a	13565	Max WS	818.95	316.00	319.41		319.89	0.009299	5.95	162.14	90.19	0.62
ALDER	2a	13525.*	Max WS	819.20	315.33	319.06		319.55	0.007595	5.82	158.00	73.35	0.57
ALDER	2a	13485.*	Max WS	819.56	314.67	318.90		319.29	0.004834	5.14	175.53	65.18	0.47
ALDER	2a	13445	Max WS	819.91	314.00	318.83		319.12	0.003040	4.51	199.35	61.92	0.38
ALDER	2a	13399.*	Max WS	820.21	313.79	318.74		319.00	0.002617	4.16	218.01	69.43	0.35
ALDER	2a	13353.*	Max WS	820.51	313.57	318.68		318.89	0.002201	3.80	242.05	79.33	0.32
ALDER	2a	13307.*	Max WS	820.80	313.36	318.64		318.80	0.001784	3.42	276.29	95.61	0.29
ALDER	2a	13261.*	Max WS	821.10	313.14	318.61		318.73	0.001308	2.94	332.22	117.23	0.25
ALDER	2a	13215	Max WS	821.38	312.93	318.61		318.68	0.000764	2.26	455.85	183.92	0.19
ALDER	2a	13187.5*	Max WS	821.74	312.72	318.55		318.64	0.001202	2.91	373.45	146.99	0.24
ALDER	2a	13160	Max WS	822.22	312.52	318.37		318.59	0.002825	4.47	270.89	141.67	0.37
ALDER	2a	13132.5*	Max WS	822.50	311.79	318.32		318.50	0.002278	4.11	292.87	143.10	0.33
ALDER	2a	13105	Max WS	822.83	311.06	318.33		318.43	0.001243	3.12	392.31	170.66	0.24
ALDER	2a	13056.6*	Max WS	823.16	311.09	318.14		318.38	0.002632	4.49	269.81	143.88	0.35
ALDER	2a	13008.3*	Max WS	823.53	311.12	317.86		318.26	0.004284	5.58	194.63	102.72	0.45
ALDER	2a	12960.*	Max WS	823.91	311.15	317.49		318.03	0.006106	6.42	159.11	64.02	0.53
ALDER	2a	12911.6*	Max WS	824.27	311.19	316.99		317.71	0.009338	7.46	137.21	60.97	0.65
ALDER	2a	12863.3*	Max WS	824.64	311.22	316.29	316.28	317.28	0.016171	8.87	116.73	60.02	0.83
ALDER	2a	12815	Max WS	825.04	311.25	315.90		316.38	0.010377	6.72	163.72	123.33	0.66
ALDER	2a	12771.6*	Max WS	825.45	310.83	315.54		315.95	0.008812	6.50	186.71	122.73	0.61
ALDER	2a	12728.3*	Max WS	825.85	310.42	315.14		315.57	0.008387	6.56	188.49	120.30	0.61
ALDER	2a	12685	Max WS	826.26	310.00	314.49	314.56	315.16	0.012606	7.88	160.11	122.02	0.74
ALDER	2a	12645.*	Max WS	826.58	309.72	314.02		314.65	0.013223	7.57	153.88	105.17	0.75
ALDER	2a	12605.*	Max WS	826.90	309.44	313.81		314.16	0.007889	5.77	191.23	108.84	0.57
ALDER	2a	12565	Max WS	827.22	309.16	313.72		313.91	0.003978	4.15	247.91	115.62	0.41
ALDER	2a	12530.*	Max WS	827.51	309.44	313.55		313.76	0.004521	4.33	237.78	117.72	0.44
ALDER	2a	12495.*	Max WS	827.79	309.72	313.34		313.59	0.005763	4.65	220.01	119.19	0.49
ALDER	2a	12460	Max WS	828.08	310.00	312.88		313.31	0.012592	6.01	170.76	117.38	0.70
ALDER	2a	12412.5*	Max WS	828.50	308.39	312.12	312.11	312.77	0.013938	7.25	151.17	107.95	0.76
ALDER	2a	12365	Max WS	828.91	306.78	311.83		312.19	0.006846	5.99	205.74	127.94	0.55
ALDER	2a	12328.3*	Max WS	829.22	306.71	311.60		311.94	0.006427	5.75	209.36	128.05	0.53
ALDER	2a	12291.6*	Max WS	829.52	306.64	311.41		311.72	0.005699	5.39	218.99	130.88	0.50
ALDER	2a	12255	Max WS	829.83	306.57	311.29		311.52	0.004349	4.75	248.46	142.47	0.44
ALDER	2a	12215.*	Max WS	830.16	306.18	311.07		311.35	0.004859	5.03	231.89	136.63	0.47
ALDER	2a	12175.*	Max WS	830.48	305.79	310.84		311.15	0.005231	5.22	222.10	134.60	0.48
ALDER	2a	12135	Max WS	830.80	305.40	310.63		310.95	0.005224	5.23	220.60	136.17	0.48
ALDER	2a	12093.3*	Max WS	831.15	305.11	310.30		310.73	0.006780	5.96	186.61	110.67	0.55
ALDER	2a	12051.6*	Max WS	831.51	304.83	309.96		310.43	0.007488	6.30	177.28	98.36	0.57
ALDER	2a	12010	Max WS	831.87	304.54	309.51		310.10	0.009689	7.06	159.70	91.11	0.64
ALDER	2a	11971.6*	Max WS	832.22	304.36	309.10		309.72	0.010999	7.37	156.65	96.30	0.69
ALDER	2a	11933.3*	Max WS	832.56	304.18	308.82		309.28	0.008653	6.57	175.99	98.83	0.61
ALDER	2a	11895	Max WS	832.90	304.00	308.72		308.98	0.004737	5.04	226.16	108.02	0.46
ALDER	2a	11846.6*	Max WS	833.26	303.80	308.51		308.76	0.004853	4.80	228.98	115.03	0.46
ALDER	2a	11798.3*	Max WS	833.62	303.59	308.29		308.53	0.005073	4.56	227.81	114.49	0.46
ALDER	2a	11750	Max WS	833.98	303.39	308.04		308.28	0.005830	4.45	222.16	113.75	0.48
ALDER	2a	11703.3*	Max WS	834.36	303.15	307.72		308.00	0.006400	4.78	213.70	119.57	0.51
ALDER	2a	11656.6*	Max WS	834.75	302.90	307.34		307.70	0.007585	5.25	196.22	123.80	0.56
ALDER	2a	11610	Max WS	835.13	302.66	306.99		307.35	0.006814	5.09	181.44	109.87	0.53
ALDER	2a	11560.*	Max WS	835.55	302.16	306.60		307.01	0.007058	5.39	172.07	75.24	0.55
ALDER	2a	11510.*	Max WS	835.96	301.66	306.17		306.65	0.007571	5.75	160.39	70.93	0.57
ALDER	2a	11460.*	Max WS	836.37	301.16	305.72		306.27	0.007973	6.05	150.07	62.94	0.59
ALDER	2a	11410.*	Max WS	836.78	300.67	305.27		305.87	0.008271	6.31	143.37	56.82	0.60
ALDER	2a	11360.*	Max WS	837.20	300.17	304.79		305.45	0.008857	6.62	137.37	53.91	0.62
ALDER	2a	11310.*	Max WS	837.61	299.67	304.25		304.99	0.010119	7.09	131.18	54.39	0.67
ALDER	2a	11260	Max WS	838.02	299.17	303.65		304.47	0.011810	7.57	132.45	69.64	0.72
ALDER	2a	11219.*	Max WS	838.34	298.45	303.17		303.99	0.011729	7.51	129.46	65.22	0.71
ALDER	2a	11178.*	Max WS	838.68	297.72	302.68		303.50	0.011895	7.47	126.24	60.47	0.71
ALDER	2a	11137.*	Max WS	839.03	297.00	302.21		303.02	0.011664	7.33	125.96	56.93	0.70
ALDER	2a	11096.*	Max WS	839.37	296.27	301.75		302.53	0.011445	7.19	126.45	54.14	0.69
ALDER	2a	11055	Max WS	839.71	295.55	301.38		302.09	0.010068	6.86	132.03	53.55	0.64
ALDER	2a	11012.*	Max WS	840.06	295.50	300.97		301.65	0.009855	6.69	132.96	51.92	0.64
ALDER	2a	10969.*	Max WS	840.42	295.45	300.62		301.25	0.008961	6.43	137.34	52.53	0.62
ALDER	2a	10926.*	Max WS	840.77	295.41	300.33		300.88	0.007659	6.06	146.43	55.90	0.58
ALDER	2a	10883.*	Max WS	841.12	295.36	300.12		300.59	0.006097	5.56	161.80	60.92	0.52
ALDER	2a	10840	Max WS	841.47	295.31	299.99		300.35	0.004514	4.97	184.68	67.12	0.45
ALDER	2a	10793.6*	Max WS	841.85	295.05	299.75		300.14	0.004996	5.12	178.98	68.37	0.47
ALDER	2a	10747.3*	Max WS	842.23	294.78	299.48		299.90	0.005588	5.28	173.78	70.85	0.50
ALDER	2a	10701.0*	Max WS	842.61	294.52	299.18		299.63	0.006331	5.47	168.94	75.09	0.53

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

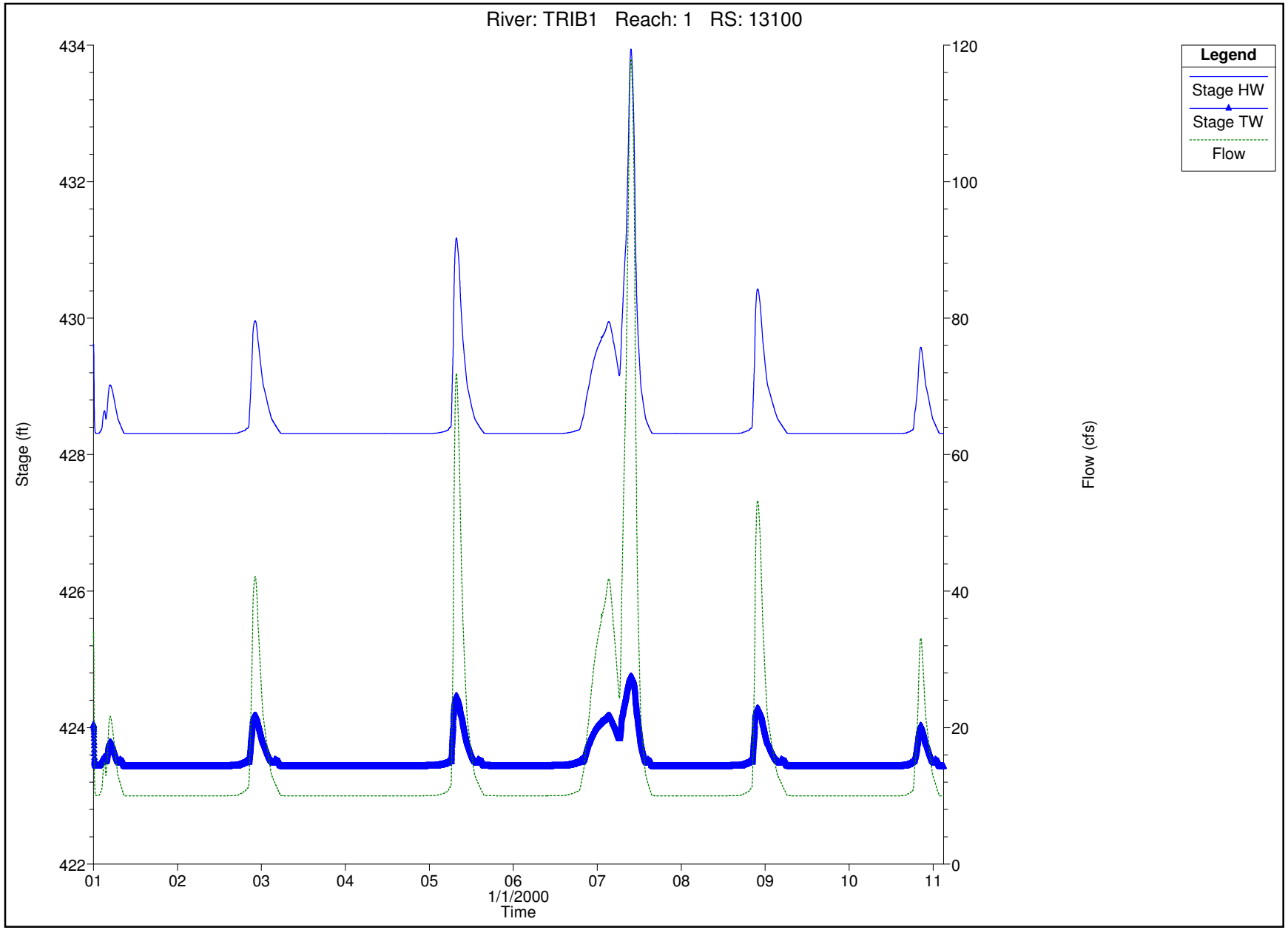
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	10654.7*	Max WS	842.99	294.25	298.83		299.31	0.007493	5.73	163.32	82.58	0.57
ALDER	2a	10608.41	Max WS	843.36	293.99	298.39		298.94	0.009640	6.14	156.13	96.93	0.63
ALDER	2a	10566.3*	Max WS	843.70	293.60	297.99		298.55	0.009597	6.32	157.31	90.13	0.64
ALDER	2a	10524.2*	Max WS	844.05	293.21	297.57		298.16	0.009828	6.59	155.50	82.94	0.65
ALDER	2a	10482.1*	Max WS	844.39	292.83	297.05		297.73	0.011694	7.26	143.98	73.64	0.71
ALDER	2a	10440	Max WS	844.73	292.44	296.27	296.34	297.32	0.020232	9.13	115.49	61.66	0.92
ALDER	2a	10391.6*	Max WS	844.72	291.00	295.39	295.35	296.49	0.017012	9.18	112.24	49.54	0.86
ALDER	2a	10343.3*	Max WS	844.72	289.56	294.97		295.76	0.009212	7.87	132.89	46.18	0.66
ALDER	2a	10295	Max WS	844.71	288.12	294.87	293.29	295.40	0.004625	6.55	164.43	45.06	0.48
ALDER	2a	10200		Bridge									
ALDER	2a	10103.5	Max WS	844.48	287.85	292.27		292.72	0.006605	5.58	170.26	71.79	0.54
ALDER	2a	10055.7*	Max WS	793.30	287.78	292.07		292.40	0.005065	4.77	186.07	81.28	0.47
ALDER	2a	10007.8*	Max WS	790.17	287.71	291.89		292.17	0.004383	4.35	202.91	91.74	0.43
ALDER	2a	9960	Max WS	790.08	287.64	291.74		291.97	0.003812	3.99	221.82	104.88	0.40
ALDER	2a	9915.*	Max WS	800.35	287.01	291.59		291.80	0.002984	3.83	237.54	103.63	0.36
ALDER	2a	9870.*	Max WS	824.61	286.38	291.47		291.66	0.002452	3.74	257.49	106.41	0.34
ALDER	2a	9825.*	Max WS	824.30	285.74	291.40		291.56	0.001780	3.44	296.76	121.36	0.29
ALDER	2a	9780	Max WS	824.05	285.11	291.38		291.49	0.001160	2.99	366.87	137.64	0.24
ALDER	2a	9732.5*	Max WS	823.92	285.27	291.30		291.43	0.001306	3.26	336.23	109.03	0.26
ALDER	2a	9685	Max WS	813.85	285.42	291.22		291.36	0.001439	3.53	313.60	92.39	0.27
ALDER	2a	9642.5	Max WS	813.74	285.67	291.16		291.30	0.001387	3.41	309.93	91.01	0.26
ALDER	2	9600.	Max WS	1625.66	285.33	290.17		291.01	0.008944	7.74	244.13	78.60	0.66
ALDER	2	9557.5*	Max WS	1625.61	284.74	289.79		290.64	0.008839	7.75	242.06	76.81	0.65
ALDER	2	9515.*	Max WS	1625.56	284.16	289.40		290.27	0.008991	7.82	238.92	75.79	0.66
ALDER	2	9472.5*	Max WS	1625.51	283.57	288.96		289.88	0.009624	8.01	233.18	75.80	0.68
ALDER	2	9430	Max WS	1625.47	282.99	288.44		289.45	0.011268	8.41	222.43	76.24	0.73
ALDER	2	9391.66*	Max WS	1628.71	282.38	287.97		289.03	0.011438	8.61	215.60	69.57	0.74
ALDER	2	9353.33*	Max WS	1631.92	281.77	287.57		288.61	0.010750	8.57	218.31	67.45	0.72
ALDER	2	9315	Max WS	1635.13	281.16	287.24		288.22	0.009564	8.37	226.99	67.35	0.68
ALDER	2	9271.25*	Max WS	1635.03	280.79	286.81		287.80	0.010056	8.40	226.60	71.06	0.70
ALDER	2	9227.5*	Max WS	1634.94	280.42	286.33		287.36	0.011022	8.53	224.19	76.30	0.72
ALDER	2	9183.75*	Max WS	1634.80	280.04	285.79		286.87	0.012659	8.77	221.93	86.36	0.77
ALDER	2	9140	Max WS	1633.48	279.67	285.50		286.33	0.010262	7.88	266.69	116.39	0.69
ALDER	2	9105.*	Max WS	1635.06	279.22	285.32		285.98	0.007704	7.10	296.86	118.92	0.60
ALDER	2	9070.*	Max WS	1636.62	278.76	285.20		285.71	0.005511	6.29	335.16	120.25	0.52
ALDER	2	9035	Max WS	1638.18	278.31	285.14		285.53	0.003837	5.52	381.05	121.49	0.44
ALDER	2	8996.25*	Max WS	1639.86	278.16	284.83		285.38	0.005202	6.41	313.35	94.37	0.51
ALDER	2	8957.5*	Max WS	1641.56	278.01	284.51		285.17	0.006324	7.03	283.47	83.14	0.56
ALDER	2	8918.75*	Max WS	1643.25	277.86	284.07		284.92	0.008529	7.99	250.15	75.63	0.65
ALDER	2	8880	Max WS	1644.96	277.71	283.31	283.21	284.68	0.015802	10.11	197.45	67.44	0.86
ALDER	2	8833.75*	Max WS	1647.00	277.36	282.55	282.45	283.97	0.016536	9.98	190.96	67.35	0.88
ALDER	2	8787.5*	Max WS	1649.05	277.01	281.89		283.18	0.015702	9.42	195.52	66.39	0.85
ALDER	2	8741.25*	Max WS	1651.10	276.66	281.27		282.43	0.014897	8.90	203.52	68.74	0.82
ALDER	2	8695	Max WS	1653.14	276.31	280.69		281.73	0.014129	8.42	212.93	72.48	0.80
ALDER	2	8645.*	Max WS	1655.53	275.29	279.95		281.04	0.014314	8.61	209.59	72.36	0.80
ALDER	2	8595.*	Max WS	1657.86	274.26	279.27		280.36	0.013583	8.63	211.86	74.56	0.79
ALDER	2	8545.*	Max WS	1659.27	273.23	278.77		279.72	0.010723	8.13	233.63	85.58	0.71
ALDER	2	8495	Max WS	1661.53	272.21	278.68		279.23	0.005349	6.43	319.19	102.33	0.51
ALDER	2	8450.*	Max WS	1663.60	271.92	278.17		278.97	0.007558	7.35	254.61	89.05	0.60
ALDER	2	8405.*	Max WS	1665.71	271.63	277.82		278.62	0.007758	7.30	243.66	75.13	0.61
ALDER	2	8360.*	Max WS	1667.86	271.35	277.56		278.29	0.007064	6.94	256.60	78.90	0.58
ALDER	2	8315.*	Max WS	1668.68	271.06	277.38		277.99	0.005848	6.37	283.44	83.24	0.53
ALDER	2	8270.*	Max WS	1670.62	270.77	277.26		277.74	0.004564	5.73	320.16	88.45	0.47
ALDER	2	8225	Max WS	1672.54	270.48	277.18		277.56	0.003467	5.11	371.57	105.52	0.41
ALDER	2	8179.28*	Max WS	1794.79	270.30	276.86		277.33	0.004462	5.76	355.22	104.56	0.47
ALDER	2	8133.57*	Max WS	1794.66	270.12	276.63		277.13	0.004593	5.88	350.85	105.79	0.47
ALDER	2	8087.85*	Max WS	1794.55	269.94	276.42		276.92	0.004629	5.96	348.39	103.17	0.48
ALDER	2	8042.14*	Max WS	1799.51	269.77	276.19		276.71	0.004710	6.06	344.38	98.90	0.48
ALDER	2	7996.42*	Max WS	1799.43	269.59	275.96		276.49	0.004783	6.16	339.94	95.49	0.49
ALDER	2	7950.71*	Max WS	1799.40	269.41	275.73		276.27	0.004893	6.28	337.24	95.46	0.49
ALDER	2	7905	Max WS	1797.64	269.23	275.63	274.17	276.07	0.003950	5.79	401.69	130.17	0.45
ALDER	2	7800		Bridge									
ALDER	2	7730	Max WS	1797.77	268.03	274.78		275.18	0.003634	5.62	406.31	124.23	0.43
ALDER	2	7683.33*	Max WS	1797.57	267.77	274.31		275.00	0.005777	6.89	301.14	90.91	0.54
ALDER	2	7636.66*	Max WS	1797.37	267.51	274.01		274.72	0.005882	6.99	287.93	80.61	0.54
ALDER	2	7590	Max WS	1797.17	267.25	273.81		274.46	0.005007	6.66	298.84	76.44	0.51
ALDER	2	7545.*	Max WS	1796.94	266.83	273.51		274.23	0.005558	6.95	279.20	67.62	0.53
ALDER	2	7500.*	Max WS	1796.73	266.41	273.23		273.98	0.005689	7.05	270.88	62.42	0.54
ALDER	2	7455.*	Max WS	1796.52	265.99	273.00		273.73	0.005311	6.94	272.23	59.18	0.52
ALDER	2	7410	Max WS	1796.34	265.57	272.84		273.51	0.004526	6.64	282.81	56.96	0.48
ALDER	2	7368.75*	Max WS	1798.66	265.50	272.53		273.31	0.005513	7.17	264.89	56.60	0.53
ALDER	2	7327.5*	Max WS	1800.97	265.43	272.17		273.07	0.006635	7.72	249.70	56.52	0.58
ALDER	2	7286.25*	Max WS	1803.27	265.36	271.78		272.78	0.007696	8.20	239.30	57.35	0.62
ALDER	2	7245	Max WS	1805.57	265.29	271.46		272.47	0.007863	8.35	242.82	61.30	0.63
ALDER	2	7205.*	Max WS	1806.47	264.89	271.02		272.17	0.009407	8.98	232.61	62.37	0.69
ALDER	2	7165.*	Max WS	1808.49	264.49	270.57		271.81	0.010757	9.51	227.58	64.09	0.74
ALDER	2	7125	Max WS	1810.47	264.09	270.23		271.41	0.010401	9.51	238.07	67.82	0.73
ALDER	2	7085.*	Max WS	1810.32	264.08	270.22		270.97	0.006614	7.40	290.83	82.74	0.58
ALDER	2	7045.*	Max WS	1810.12	264.08	270.15		270.71	0.005020	6.23	335.42	99.31	0.50
ALDER	2	7005.*	Max WS	1809.85	264.08	270.08		270.51	0.004132	5.45	381.31	123.05	0.45
ALDER	2	6965	Max WS	1809.50	264.07	270.02		270.34	0.003397	4.75	438.61	154.57	0.40

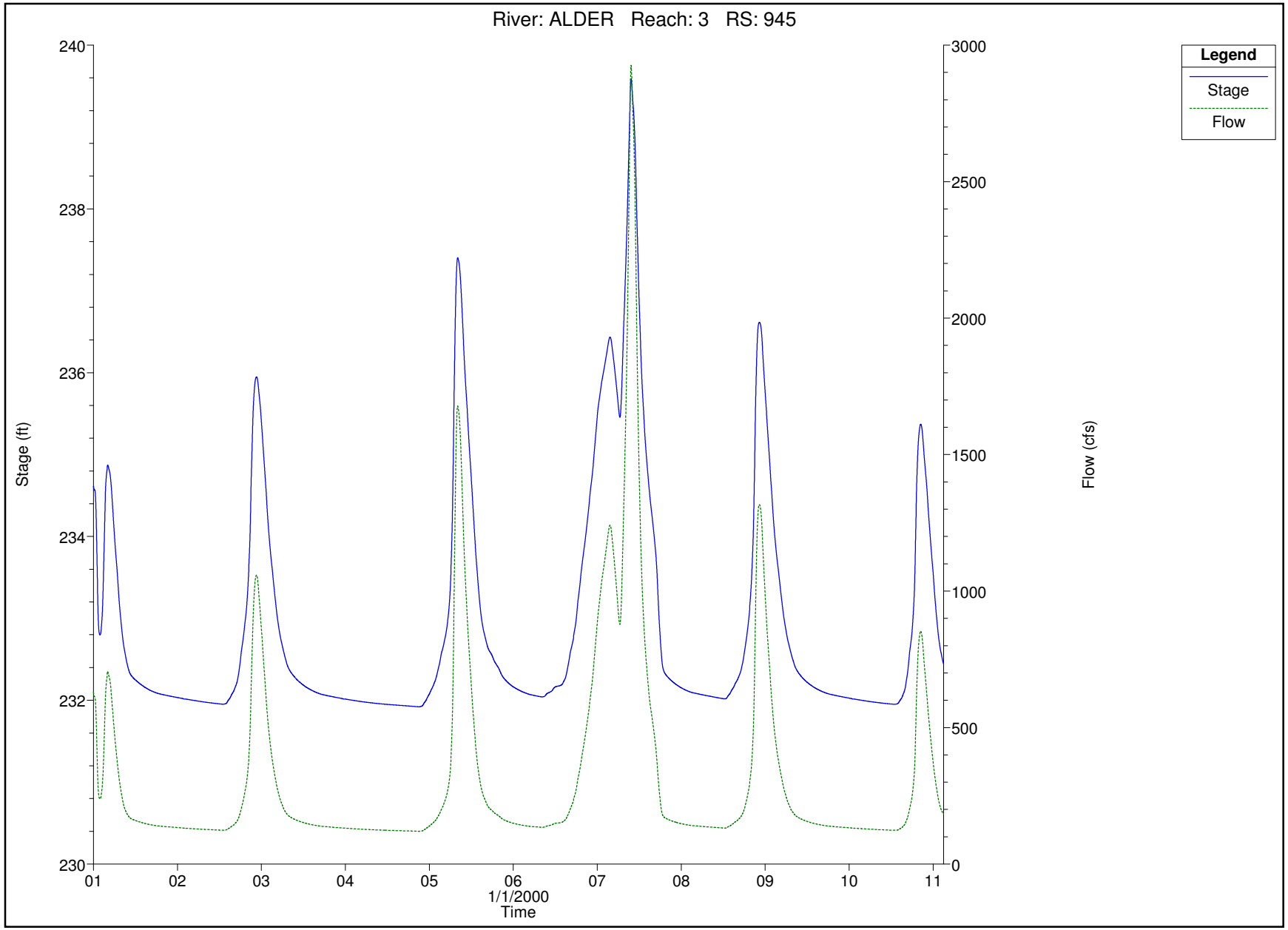
HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	6922.5*	Max WS	1843.55	263.59	269.79		270.19	0.004074	5.24	405.18	142.40	0.44
ALDER	2	6880.*	Max WS	1843.13	263.11	269.56		270.01	0.004502	5.55	379.32	129.14	0.47
ALDER	2	6837.5*	Max WS	1842.68	262.63	269.32		269.82	0.004966	5.88	356.02	118.44	0.49
ALDER	2	6795	Max WS	1842.21	262.15	269.03		269.61	0.005618	6.29	331.07	109.20	0.52
ALDER	2	6752.5*	Max WS	1847.77	261.76	268.52		269.34	0.007629	7.28	262.65	72.77	0.60
ALDER	2	6710.*	Max WS	1852.90	261.36	268.06		269.00	0.008802	7.84	248.00	68.61	0.65
ALDER	2	6667.5*	Max WS	1858.64	260.97	267.62		268.63	0.009624	8.26	248.51	77.73	0.68
ALDER	2	6625	Max WS	1864.32	260.58	267.69		268.25	0.005202	6.57	345.05	90.66	0.51
ALDER	2	6586.25*	Max WS	1889.04	260.38	267.40		268.04	0.005819	6.98	333.50	91.72	0.54
ALDER	2	6547.5*	Max WS	1885.29	260.18	267.13		267.82	0.006275	7.27	324.10	94.07	0.56
ALDER	2	6508.75*	Max WS	1885.23	259.98	266.86		267.59	0.006618	7.50	322.82	101.49	0.58
ALDER	2	6470	Max WS	1885.10	259.78	266.83	265.55	267.34	0.004762	6.57	391.10	121.69	0.49
ALDER	2	6400		Bridge									
ALDER	2	6320	Max WS	1879.63	258.60	266.56		266.85	0.002280	4.93	505.27	131.24	0.35
ALDER	2	6275.*	Max WS	1879.30	258.80	266.46		266.75	0.002180	4.81	499.83	123.74	0.34
ALDER	2	6230.*	Max WS	1871.78	259.00	266.38		266.65	0.001951	4.55	514.48	121.12	0.32
ALDER	2	6185	Max WS	1871.74	259.20	266.33		266.56	0.001745	4.29	537.19	122.30	0.31
ALDER	2	6145.*	Max WS	2762.80	258.97	265.05		266.18	0.010256	9.05	359.27	102.95	0.72
ALDER	2	6105.*	Max WS	2762.66	258.75	264.42		265.78	0.014150	9.98	331.91	107.40	0.83
ALDER	2	6065	Max WS	2762.48	258.52	263.89	263.75	265.18	0.015625	10.01	341.85	117.01	0.86
ALDER	2	6021.25*	Max WS	2767.40	258.33	263.59		264.50	0.010878	8.33	410.70	145.30	0.72
ALDER	2	5977.5*	Max WS	2767.07	258.14	263.44		264.06	0.006958	6.81	504.23	177.70	0.58
ALDER	2	5933.75*	Max WS	2763.10	257.96	263.36		263.77	0.004448	5.61	622.45	224.47	0.47
ALDER	2	5890	Max WS	2763.08	257.77	263.32		263.59	0.002738	4.56	797.83	300.77	0.37
ALDER	2	5841.50*	Max WS	2763.94	257.25	263.16		263.47	0.002943	4.89	743.87	270.65	0.39
ALDER	2	5793.01*	Max WS	2764.77	256.72	262.96		263.33	0.003331	5.34	678.86	235.30	0.41
ALDER	2	5744.51*	Max WS	2765.58	256.20	262.69		263.17	0.004106	6.03	604.29	209.60	0.46
ALDER	2	5696.02*	Max WS	2766.35	255.67	262.32		262.98	0.005711	7.11	514.81	183.23	0.54
ALDER	2	5647.53	Max WS	2767.12	255.15	261.55		262.71	0.011149	9.41	381.86	138.52	0.75
ALDER	2	5605.44*	Max WS	2767.77	255.15	261.34		262.21	0.008666	8.03	428.93	149.69	0.65
ALDER	2	5563.35*	Max WS	2768.36	255.15	261.17		261.84	0.006949	7.00	477.64	161.81	0.58
ALDER	2	5521.26*	Max WS	2768.90	255.15	261.01		261.55	0.005766	6.23	525.00	173.30	0.53
ALDER	2	5479.17*	Max WS	2769.40	255.15	260.87		261.32	0.004884	5.62	572.25	189.49	0.48
ALDER	2	5437.08*	Max WS	2769.86	255.15	260.75		261.12	0.004197	5.12	624.73	222.28	0.45
ALDER	2	5395	Max WS	2769.00	255.15	260.63		260.94	0.003680	4.71	666.09	247.09	0.42
ALDER	2	5351.42*	Max WS	2882.94	254.95	260.37		260.75	0.004578	5.27	638.47	240.15	0.46
ALDER	2	5307.85*	Max WS	2882.90	254.74	260.10		260.54	0.005306	5.70	605.94	231.16	0.50
ALDER	2	5264.28*	Max WS	2882.85	254.54	259.76		260.30	0.006922	6.44	567.82	231.00	0.57
ALDER	2	5220.71*	Max WS	2882.78	254.34	259.32		259.98	0.009348	7.30	525.96	235.16	0.66
ALDER	2	5177.14*	Max WS	2882.66	254.14	258.89		259.55	0.010891	7.68	529.92	245.39	0.71
ALDER	2	5133.57*	Max WS	2882.52	253.93	258.63		259.09	0.008459	6.81	603.73	245.94	0.62
ALDER	2	5090	Max WS	2882.41	253.73	258.50	257.14	258.77	0.005031	5.39	736.97	250.83	0.48
ALDER	2	5000		Bridge									
ALDER	2	4965	Max WS	2882.41	253.15	257.63		257.99	0.005421	5.20	658.42	245.20	0.49
ALDER	2	4922.5*	Max WS	2880.82	252.85	257.35		257.75	0.005933	5.56	633.32	241.69	0.52
ALDER	2	4880.*	Max WS	2881.44	252.55	257.00		257.49	0.007247	6.19	588.42	251.30	0.57
ALDER	2	4837.5*	Max WS	2881.87	252.26	256.48		257.15	0.010409	7.25	514.10	293.99	0.68
ALDER	2	4795	Max WS	2882.02	251.96	256.58		256.72	0.002575	3.93	1117.57	458.08	0.35
ALDER	2	4758.33*	Max WS	2995.55	251.55	255.93	255.44	256.69	0.010772	7.71	513.53	413.14	0.70
ALDER	2	4721.66*	Max WS	2995.94	251.15	255.60		256.29	0.009286	7.27	515.34	275.55	0.66
ALDER	2	4685	Max WS	2996.18	250.74	255.46		255.97	0.006379	6.31	584.62	230.72	0.55
ALDER	2	4639.*	Max WS	2991.16	250.11	255.03		255.68	0.007193	6.86	536.89	260.19	0.59
ALDER	2	4593.*	Max WS	2991.76	249.48	254.89		255.37	0.004781	5.97	635.97	298.45	0.49
ALDER	2	4547.*	Max WS	2992.20	248.86	254.87		255.17	0.002643	4.79	812.38	329.16	0.37
ALDER	2	4501.*	Max WS	2992.59	248.23	254.89		255.04	0.001357	3.69	1170.87	381.15	0.27
ALDER	2	4455	Max WS	2992.96	247.60	254.90		254.98	0.000706	2.83	1506.74	388.24	0.20
ALDER	2	4406.66*	Max WS	3000.30	247.58	254.73		254.96	0.001553	4.17	912.12	218.74	0.29
ALDER	2	4358.33*	Max WS	2999.91	247.55	254.46		254.88	0.002763	5.46	643.64	146.72	0.39
ALDER	2	4310	Max WS	2997.02	247.53	253.92		254.71	0.005467	7.31	443.65	94.40	0.54
ALDER	2	4271.25	Max WS	2997.00	246.65	253.69		254.52	0.005620	7.84	452.91	96.08	0.55
ALDER	3	4232.5	Max WS	3124.83	246.21	253.49		254.25	0.007267	9.33	479.75	97.84	0.63
ALDER	3	4193.75*	Max WS	3124.75	245.99	253.25		253.97	0.006911	8.90	490.15	98.88	0.61
ALDER	3	4155	Max WS	3124.64	245.77	253.03		253.70	0.006560	8.50	501.85	100.24	0.59
ALDER	3	4118.33*	Max WS	3120.58	245.51	252.76		253.48	0.007077	9.11	509.02	114.58	0.62
ALDER	3	4081.66*	Max WS	3120.84	245.25	252.44		253.23	0.007360	9.47	497.17	114.74	0.64
ALDER	3	4045	Max WS	3121.03	244.99	252.27		252.97	0.006031	8.79	525.10	113.83	0.58
ALDER	3	4002.5*	Max WS	3115.21	244.99	252.04		252.72	0.005918	8.52	543.44	126.87	0.57
ALDER	3	3960.*	Max WS	3115.41	244.99	251.82		252.49	0.006028	8.40	583.27	164.22	0.58
ALDER	3	3917.5*	Max WS	3115.46	244.99	251.81		252.21	0.003897	6.73	745.94	214.28	0.46
ALDER	3	3875	Max WS	3115.47	244.99	251.82		252.04	0.002076	4.91	956.39	229.75	0.34
ALDER	3	3827.5*	Max WS	3115.43	244.99	251.71		251.94	0.002247	5.02	933.17	231.71	0.35
ALDER	3	3780.*	Max WS	3109.29	244.99	251.60		251.83	0.002361	5.05	922.80	235.99	0.36
ALDER	3	3732.5*	Max WS	3109.57	244.99	251.49		251.71	0.002354	4.96	955.58	260.71	0.36
ALDER	3	3685	Max WS	3109.80	244.99	251.50		251.60	0.001155	3.47	1355.44	340.74	0.25
ALDER	3	3635.83*	Max WS	3110.00	244.75	251.40		251.55	0.001494	3.96	1147.02	291.00	0.28
ALDER	3	3586.66*	Max WS	3110.17	244.52	251.29		251.48	0.001715	4.26	1018.91	257.20	0.30
ALDER	3	3537.5*	Max WS	3110.30	244.28	251.17		251.40	0.001813	4.40	939.19	235.67	0.31
ALDER	3	3488.33*	Max WS	3110.40	244.04	251.07		251.31	0.001758	4.36	897.55	219.53	0.31
ALDER	3	3439.16*	Max WS	3110.51	243.81	250.99		251.23	0.001592	4.18	886.97	208.06	0.29
ALDER	3	3390	Max WS	3110.62	243.57	250.93		251.15	0.001363	3.91	903.32	197.54	0.27
ALDER	3	3341.87*	Max WS	3126.01	243.61	250.86		251.08	0.001420	3.95	901.79	199.00	0.28

HEC-RAS Plan: DEV100YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	3293.75*	Max WS	3126.11	243.64	250.79		251.02	0.001441	3.95	905.80	198.91	0.28
ALDER	3	3245.62*	Max WS	3126.19	243.68	250.73		250.95	0.001445	3.92	914.33	199.89	0.28
ALDER	3	3197.5*	Max WS	3126.27	243.71	250.67		250.88	0.001427	3.87	929.33	202.11	0.28
ALDER	3	3149.37*	Max WS	3126.34	243.75	250.61		250.81	0.001384	3.80	952.10	205.40	0.27
ALDER	3	3101.25*	Max WS	3126.41	243.79	250.56		250.74	0.001310	3.69	985.21	209.71	0.27
ALDER	3	3053.12*	Max WS	3126.48	243.82	250.51		250.68	0.001210	3.55	1032.14	217.10	0.26
ALDER	3	3005	Max WS	3126.55	243.86	250.48		250.62	0.001076	3.35	1106.65	231.42	0.24
ALDER	3	3000	Max WS	3134.32	243.86	250.47	247.17	250.62	0.001086	3.37	1105.01	231.37	0.24
ALDER	3	2900		Bridge									
ALDER	3	2850.	Max WS	3134.32	243.89	249.55		250.00	0.003609	5.53	626.55	152.90	0.43
ALDER	3	2800.*	Max WS	3134.41	243.90	249.21		249.79	0.005052	6.29	546.99	141.16	0.50
ALDER	3	2750	Max WS	3134.58	243.91	248.61		249.48	0.008768	7.66	443.17	126.88	0.65
ALDER	3	2704.*	Max WS	3157.76	243.45	248.14		249.06	0.009634	7.93	439.24	133.46	0.68
ALDER	3	2658.*	Max WS	3157.70	242.99	247.70		248.62	0.010050	8.04	445.09	143.15	0.69
ALDER	3	2612.*	Max WS	3157.57	242.53	247.34		248.19	0.009380	7.81	474.41	157.40	0.67
ALDER	3	2566.*	Max WS	3157.37	242.07	247.14		247.79	0.007172	7.03	546.38	173.66	0.59
ALDER	3	2520	Max WS	3157.12	241.61	247.03		247.48	0.004950	6.09	666.26	207.19	0.50
ALDER	3	2475.*	Max WS	3155.35	241.12	246.69		247.26	0.006126	6.80	607.74	207.08	0.55
ALDER	3	2430.*	Max WS	3155.28	240.63	246.39		247.00	0.006410	7.03	591.21	196.86	0.57
ALDER	3	2385.*	Max WS	3155.16	240.13	246.12		246.72	0.006381	7.11	593.81	194.61	0.57
ALDER	3	2340.*	Max WS	3154.98	239.64	245.87		246.45	0.006060	7.06	609.87	194.74	0.55
ALDER	3	2295	Max WS	3154.75	239.15	245.66		246.18	0.005504	6.88	638.60	196.66	0.53
ALDER	3	2245.*	Max WS	3154.43	239.15	245.51		245.92	0.003990	6.00	708.62	200.78	0.46
ALDER	3	2195.*	Max WS	3154.09	239.14	245.45		245.73	0.002555	4.97	831.99	211.36	0.37
ALDER	3	2145	Max WS	3153.74	239.14	245.43		245.62	0.001487	3.96	1017.27	221.61	0.28
ALDER	3	2101.66*	Max WS	3198.01	239.14	245.30		245.54	0.002132	4.65	905.27	207.48	0.34
ALDER	3	2058.33*	Max WS	3197.70	239.14	245.12		245.44	0.003162	5.52	789.95	193.10	0.41
ALDER	3	2015	Max WS	3196.40	239.14	244.83		245.27	0.005320	6.89	660.76	176.98	0.53
ALDER	3	1969.*	Max WS	3197.43	238.77	244.53		245.04	0.005745	7.07	636.36	179.61	0.54
ALDER	3	1923.*	Max WS	3198.44	238.39	244.22		244.78	0.006145	7.19	612.17	180.76	0.56
ALDER	3	1877.*	Max WS	3199.40	238.02	243.89		244.50	0.006553	7.29	587.89	181.13	0.58
ALDER	3	1831.*	Max WS	3200.31	237.64	243.52		244.20	0.007089	7.40	561.50	182.53	0.60
ALDER	3	1785	Max WS	3198.89	237.27	243.11		243.88	0.007987	7.61	526.82	185.97	0.63
ALDER	3	1740.*	Max WS	3199.81	236.84	242.87		243.54	0.007016	7.13	566.92	200.27	0.59
ALDER	3	1695.*	Max WS	3200.65	236.41	242.67		243.24	0.005838	6.59	618.98	214.92	0.54
ALDER	3	1650.*	Max WS	3201.40	235.98	242.52		242.99	0.004619	5.99	685.47	230.21	0.48
ALDER	3	1605.*	Max WS	3202.07	235.55	242.42		242.79	0.003496	5.38	768.86	246.61	0.42
ALDER	3	1560	Max WS	3202.72	235.12	242.35		242.65	0.002604	4.82	866.28	266.19	0.37
ALDER	3	1511.42*	Max WS	3203.42	235.01	242.16		242.52	0.003045	5.26	781.61	238.89	0.40
ALDER	3	1462.85*	Max WS	3204.13	234.90	241.94		242.38	0.003583	5.73	707.19	215.73	0.43
ALDER	3	1414.28*	Max WS	3204.87	234.79	241.70		242.21	0.004150	6.19	642.39	185.39	0.47
ALDER	3	1365.71*	Max WS	3205.65	234.69	241.43		242.00	0.004673	6.57	594.88	158.40	0.49
ALDER	3	1317.14*	Max WS	3206.47	234.58	241.11		241.77	0.005395	7.03	551.60	140.45	0.53
ALDER	3	1268.57*	Max WS	3207.35	234.47	240.73		241.50	0.006507	7.64	506.17	126.62	0.58
ALDER	3	1220	Max WS	3208.28	234.36	240.20		241.16	0.008728	8.59	448.43	113.50	0.67
ALDER	3	1175.*	Max WS	3242.56	233.55	239.71		240.75	0.008846	8.83	436.33	110.10	0.68
ALDER	3	1130.*	Max WS	3242.40	232.73	239.33		240.36	0.008007	8.69	440.59	109.88	0.65
ALDER	3	1085	Max WS	3232.66	231.92	239.07		240.02	0.006568	8.24	462.25	118.13	0.59
ALDER	3	1057.5*	Max WS	3232.24	231.36	238.30		239.85	0.015863	9.97	324.17	76.51	0.85
ALDER	3	1030	Max WS	3231.93	230.81	238.29	236.79	239.39	0.009212	8.42	383.80	76.69	0.66
ALDER	3	1000		Bridge									
ALDER	3	945	Max WS	3049.68	229.78	237.84		238.41	0.004675	6.08	501.73	101.40	0.48
ALDER	3	910.*	Max WS	3049.64	229.89	237.81		238.26	0.003419	5.38	566.84	108.91	0.42
ALDER	3	875	Max WS	3062.90	230.00	237.80	234.59	238.15	0.002656	4.76	643.83	123.00	0.37


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
434
432
430
428
426
424
422
120
100
80
60
40
20
0
01
02
03
04
05
06
07
08
09
10
11
1/1/2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
240
238
236
234
232
230
3000
2500
2000
1500
1000
500
0
01
02
03
04
05
06
07
08
09
10
11
1/1/2000
Time

HEC-RAS Plan: DEV100YR10D Profile: Max WS

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	Max WS	160.66	267.93	268.78		268.90	0.012217	2.77	58.00	79.56	0.57
TRIB4	1	2123.33*	Max WS	160.65	267.25	268.47		268.60	0.011905	2.90	55.36	69.45	0.57
TRIB4	1	2086.66*	Max WS	160.64	266.58	267.70	267.76	268.10	0.048734	5.07	31.70	49.57	1.12
TRIB4	1	2050	Max WS	160.63	265.90	266.92	266.91	267.18	0.041619	4.16	38.66	72.25	1.00
TRIB4	1	2010.*	Max WS	161.02	265.02	266.29		266.50	0.026043	3.66	44.02	70.06	0.81
TRIB4	1	1970.*	Max WS	161.42	264.15	265.67		265.83	0.016564	3.22	50.18	68.93	0.66
TRIB4	1	1930.*	Max WS	161.81	263.27	264.85		265.07	0.027396	3.78	42.82	67.33	0.84
TRIB4	1	1890	Max WS	162.21	262.40	264.11		264.31	0.024654	3.63	44.63	68.56	0.79
TRIB4	1	1848.*	Max WS	162.61	261.50	263.31		263.59	0.031927	4.26	38.14	56.00	0.91
TRIB4	1	1806.*	Max WS	163.01	260.59	262.45		262.75	0.030149	4.39	37.11	49.81	0.90
TRIB4	1	1764.*	Max WS	163.41	259.69	261.53	261.52	261.88	0.036206	4.75	34.39	46.95	0.98
TRIB4	1	1722.*	Max WS	163.82	258.78	260.69		261.01	0.030443	4.55	35.99	45.88	0.91
TRIB4	1	1680	Max WS	164.22	257.88	260.33		260.44	0.005971	2.74	59.90	47.86	0.43
TRIB4	1	1630.*	Max WS	164.11	257.07	259.38		259.83	0.026457	5.42	30.27	26.69	0.90
TRIB4	1	1580.*	Max WS	164.18	256.25	258.18	258.18	258.63	0.037849	5.43	30.21	34.93	1.03
TRIB4	1	1530	Max WS	164.07	255.44	257.67		257.73	0.002431	1.95	84.27	57.94	0.28
TRIB4	1	1492.39*	Max WS	164.07	254.70	257.60		257.65	0.001979	1.87	87.71	54.87	0.26
TRIB4	1	1454.79*	Max WS	164.06	253.97	257.56		257.60	0.001000	1.49	109.94	57.78	0.19
TRIB4	1	1417.19	Max WS	164.24	253.23	257.39		257.56	0.002067	3.37	48.80	58.52	0.31
TRIB4	1	1300		Culvert									
TRIB4	1	1155	Max WS	128.52	248.82	253.90		253.96	0.000459	1.95	65.76	66.18	0.15
TRIB4	1	1127.5*	Max WS	128.51	248.82	253.93		253.93	0.000037	0.47	272.00	66.30	0.04
TRIB4	1	1100	Max WS	128.51	248.82	253.93		253.93	0.000037	0.47	271.93	66.29	0.04
TRIB3	1	3003.87	Max WS	288.20	339.76	341.07		341.30	0.016557	4.49	76.94	94.86	0.72
TRIB3	1	2960.91*	Max WS	274.50	338.87	340.29		340.55	0.016959	4.70	72.13	93.63	0.74
TRIB3	1	2917.95*	Max WS	288.19	337.98	339.45		339.77	0.020765	5.17	66.93	82.56	0.82
TRIB3	1	2875	Max WS	287.96	337.09	338.74		338.99	0.014077	4.51	75.78	82.58	0.68
TRIB3	1	2830.83*	Max WS	287.59	336.41	338.41		338.59	0.007813	3.92	90.17	83.94	0.53
TRIB3	1	2786.66*	Max WS	287.56	335.72	338.27		338.36	0.002800	2.82	128.02	93.27	0.33
TRIB3	1	2742.5*	Max WS	195.43	335.04	338.25		338.27	0.000457	1.35	184.19	105.61	0.14
TRIB3	1	2698.33*	Max WS	225.75	334.36	338.25		338.26	0.000254	1.16	250.22	117.50	0.11
TRIB3	1	2654.16*	Max WS	261.94	333.67	338.24		338.25	0.000166	1.04	325.98	131.74	0.09
TRIB3	1	2610	Max WS	288.99	332.99	337.97		338.36	0.003250	5.02	57.62	137.98	0.40
TRIB3	1	2500		Culvert									
TRIB3	1	2465.	Max WS	288.99	330.68	333.21	333.43	334.71	0.034319	9.85	29.35	70.01	1.15
TRIB3	1	2416.66*	Max WS	287.34	329.91	332.03		332.44	0.018002	5.66	59.00	55.45	0.79
TRIB3	1	2368.33*	Max WS	288.37	329.14	331.31		331.73	0.017595	5.63	59.02	54.45	0.78
TRIB3	1	2320	Max WS	289.38	328.37	330.57		331.01	0.018730	5.75	57.42	53.32	0.80
TRIB3	1	2272.14*	Max WS	292.68	327.46	330.18		330.41	0.006613	4.21	82.97	59.02	0.50
TRIB3	1	2224.29*	Max WS	295.03	326.54	330.09		330.19	0.002013	2.91	127.50	69.51	0.29
TRIB3	1	2176.44*	Max WS	296.38	325.63	330.07		330.11	0.000783	2.17	190.06	92.74	0.19
TRIB3	1	2128.58*	Max WS	297.22	324.71	330.06		330.08	0.000330	1.63	271.35	112.91	0.13
TRIB3	1	2080.73*	Max WS	297.96	323.80	330.06		330.07	0.000152	1.24	376.59	136.22	0.09
TRIB3	1	2032.88*	Max WS	298.62	322.88	330.06		330.06	0.000073	0.95	478.15	135.55	0.06
TRIB3	1	1985.03	Max WS	299.20	321.97	330.06		330.06	0.000045	0.81	559.20	131.62	0.05
TRIB3	1	1943.02*	Max WS	299.67	321.74	330.05		330.06	0.000039	0.78	579.45	130.81	0.05
TRIB3	1	1901.01*	Max WS	300.16	321.51	330.05		330.06	0.000034	0.74	606.66	133.09	0.05
TRIB3	1	1859.01*	Max WS	300.67	321.27	330.05		330.06	0.000029	0.70	644.60	137.17	0.04
TRIB3	1	1817.00*	Max WS	301.18	321.04	330.05		330.06	0.000024	0.64	695.76	143.73	0.04
TRIB3	1	1775	Max WS	301.73	320.81	330.05		330.05	0.000020	0.59	776.59	164.16	0.03
TRIB3	1	1731.25*	Max WS	302.36	320.51	330.05		330.05	0.000017	0.56	819.98	167.38	0.03
TRIB3	1	1687.5*	Max WS	303.03	320.21	330.05		330.05	0.000015	0.53	870.03	171.22	0.03
TRIB3	1	1643.75*	Max WS	303.69	319.90	330.05		330.05	0.000012	0.50	925.73	175.67	0.03
TRIB3	1	1600	Max WS	301.00	319.60	330.01		330.09	0.000252	2.31	131.95	179.83	0.13
TRIB3	1	1500		Culvert									
TRIB3	1	1370	Max WS	301.00	316.30	318.62	319.15	320.64	0.051573	11.52	26.59	72.20	1.40
TRIB3	1	1325.*	Max WS	300.55	315.33	317.05		317.43	0.023017	5.89	64.25	67.57	0.87
TRIB3	1	1280.*	Max WS	300.36	314.36	316.16	316.16	316.59	0.025210	6.13	62.84	71.78	0.91
TRIB3	1	1235.*	Max WS	302.88	313.39	315.28	315.34	315.76	0.026786	6.32	61.72	75.64	0.94
TRIB3	1	1190.*	Max WS	309.25	312.42	314.41	314.52	314.95	0.028091	6.50	60.59	78.67	0.96
TRIB3	1	1145.*	Max WS	313.77	311.45	313.58	313.65	314.09	0.024355	6.18	63.01	79.95	0.90
TRIB3	1	1100	Max WS	315.28	310.48	313.10		313.32	0.007954	4.15	97.24	97.66	0.54
TRIB3	1	1053.*	Max WS	316.23	310.03	312.70		312.97	0.009195	4.50	85.86	80.47	0.58
TRIB3	1	1006.*	Max WS	316.76	309.59	312.27		312.57	0.010143	4.71	80.74	74.97	0.61
TRIB3	1	959.*	Max WS	316.74	309.14	311.80		312.12	0.011187	4.87	78.51	76.44	0.64
TRIB3	1	912.*	Max WS	316.80	308.70	311.34		311.64	0.011024	4.76	81.12	77.14	0.63
TRIB3	1	865	Max WS	317.77	308.25	310.62	310.60	311.04	0.019769	5.65	67.81	72.92	0.82
TRIB3	1	815.*	Max WS	318.22	307.37	309.75	309.74	310.18	0.019117	5.75	67.92	72.03	0.81
TRIB3	1	765.*	Max WS	318.43	306.49	308.91		309.34	0.017916	5.78	68.96	71.32	0.79
TRIB3	1	715.*	Max WS	318.42	305.60	308.02	307.88	308.49	0.019227	6.10	66.50	69.95	0.82
TRIB3	1	665.*	Max WS	318.31	304.72	307.12	307.03	307.59	0.019218	6.17	63.28	61.18	0.82
TRIB3	1	615.*	Max WS	318.22	303.84	306.21	306.15	306.70	0.019947	6.34	61.85	64.56	0.84
TRIB3	1	565	Max WS	242.74	302.96	305.67		305.81	0.005011	3.62	89.72	77.00	0.44
TRIB3	1	517.5*	Max WS	692.50	301.49	304.94	305.31	306.08	0.026627	10.08	99.68	87.46	1.05
TRIB3	1	470.*	Max WS	678.09	300.02	303.60	304.08	305.08	0.033155	11.47	90.44	87.44	1.18
TRIB3	1	422.5*	Max WS	672.00	298.54	302.20	302.77	303.54	0.031705	11.22	83.02	66.52	1.14
TRIB3	1	375	Max WS	670.32	297.07	300.73	301.42	302.10	0.034960	11.50	79.39	46.95	1.18
TRIB3	1	325.*	Max WS	667.36	295.34	299.05	299.32	300.51	0.034628	11.80	76.93	43.88	1.19
TRIB3	1	275.*	Max WS	667.21	293.61	297.35	297.71	298.95	0.035823	12.28	73.76	41.01	1.22
TRIB3	1	225.*	Max WS	667.08	291.89	295.68	296.11	297.32	0.034529	12.42	73.03	39.27	1.21
TRIB3	1	175	Max WS	667.05	290.16	294.42	294.42	295.47	0.018760	10.15	91.07	42.68	0.92

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2B	1	2946.25	Max WS	139.11	470.79	471.78	471.80	472.07	0.030427	4.72	33.60	65.68	1.05
TRIB2B	1	2903.43*	Max WS	139.10	469.43	470.53	470.58	470.89	0.029894	5.24	31.66	59.91	1.07
TRIB2B	1	2860.62*	Max WS	139.10	468.07	469.30	469.41	469.75	0.029309	5.85	29.59	54.27	1.10
TRIB2B	1	2817.81*	Max WS	139.10	466.70	468.17	468.28	468.65	0.024509	6.26	29.92	50.54	1.04
TRIB2B	1	2775	Max WS	139.09	465.34	467.08	467.25	467.66	0.027249	7.48	29.57	53.14	1.11
TRIB2B	1	2733.75*	Max WS	139.66	464.10	465.95	466.16	466.69	0.028230	7.75	23.99	31.96	1.15
TRIB2B	1	2692.5*	Max WS	140.23	462.86	464.80	465.02	465.61	0.028190	7.68	22.10	26.35	1.15
TRIB2B	1	2651.25*	Max WS	140.81	461.63	463.62	463.85	464.47	0.029355	7.62	20.76	23.12	1.16
TRIB2B	1	2610	Max WS	141.38	460.39	462.49	462.64	463.25	0.026152	7.14	21.24	21.64	1.09
TRIB2B	1	2565.*	Max WS	142.00	459.32	461.33	461.46	462.06	0.025881	7.01	21.78	22.72	1.09
TRIB2B	1	2520.*	Max WS	142.62	458.24	460.17	460.30	460.88	0.026141	6.93	22.19	23.80	1.09
TRIB2B	1	2475.*	Max WS	143.23	457.17	459.02	459.14	459.71	0.025660	6.79	22.92	25.30	1.08
TRIB2B	1	2430.*	Max WS	143.85	456.09	457.86	457.98	458.54	0.026536	6.75	23.26	26.78	1.09
TRIB2B	1	2385.*	Max WS	144.47	455.02	456.78	456.84	457.34	0.021808	6.24	25.83	29.92	0.99
TRIB2B	1	2340	Max WS	145.09	453.94	455.48	455.70	456.25	0.036566	7.24	22.06	29.48	1.25
TRIB2B	1	2291.87*	Max WS	145.75	452.05	453.75	453.97	454.58	0.035891	7.45	20.89	24.73	1.25
TRIB2B	1	2243.75*	Max WS	146.42	450.16	452.00	452.24	452.92	0.036975	7.75	19.79	21.48	1.27
TRIB2B	1	2195.63*	Max WS	147.08	448.26	450.29	450.52	451.22	0.034686	7.82	19.52	19.41	1.24
TRIB2B	1	2147.51*	Max WS	147.74	446.37	448.51	448.80	449.59	0.039415	8.37	18.08	17.13	1.32
TRIB2B	1	2099.39	Max WS	148.41	444.48	446.98	447.09	447.83	0.024427	7.43	20.73	16.88	1.06
TRIB2B	1	2049.51*	Max WS	148.40	443.44	445.78	445.88	446.56	0.024024	7.16	21.56	18.66	1.05
TRIB2B	1	1999.63*	Max WS	148.40	442.39	444.56	444.67	445.32	0.025288	7.06	21.96	20.66	1.08
TRIB2B	1	1949.75*	Max WS	148.20	441.35	443.53	443.48	444.06	0.016300	5.96	26.92	25.98	0.88
TRIB2B	1	1899.87*	Max WS	147.99	440.30	443.07		443.20	0.002629	3.10	60.13	47.88	0.38
TRIB2B	1	1850	Max WS	147.92	439.26	443.08		443.09	0.000237	1.24	157.65	72.92	0.12
TRIB2B	1	1812.95*	Max WS	147.86	438.45	443.07		443.09	0.000121	1.05	193.37	73.29	0.09
TRIB2B	1	1775.91	Max WS	149.46	437.64	442.95		443.13	0.001015	3.44	44.46	72.78	0.27
TRIB2B	1	1500		Culvert									
TRIB2B	1	1492.23	Max WS	149.46	432.00	434.54	434.63	435.66	0.022369	8.49	17.60	22.85	1.07
TRIB2B	1	1444.15*	Max WS	148.68	431.20	433.64		434.13	0.015047	5.68	26.95	23.22	0.84
TRIB2B	1	1396.08*	Max WS	181.59	430.40	432.83	432.78	433.43	0.018249	6.24	29.78	25.04	0.92
TRIB2B	1	1348.00*	Max WS	181.58	429.59	431.95	431.88	432.51	0.018341	6.00	30.62	26.09	0.92
TRIB2B	1	1299.93	Max WS	181.58	428.79	431.11		431.61	0.017563	5.71	32.02	27.55	0.89
TRIB2B	1	1249.93*	Max WS	181.57	427.92	430.23	430.13	430.73	0.017517	5.71	32.12	28.19	0.89
TRIB2B	1	1199.93*	Max WS	181.53	427.04	429.36	429.28	429.86	0.017335	5.69	32.55	37.87	0.89
TRIB2B	1	1149.93*	Max WS	181.35	426.17	428.72		429.00	0.008420	4.43	48.56	62.52	0.64
TRIB2B	1	1099.93	Max WS	181.32	425.29	428.64		428.70	0.001138	2.16	105.74	70.06	0.25
TRIB2	1	8691.55	Max WS	67.57	486.56	487.22	487.39	487.74	0.095572	5.75	11.75	33.17	1.70
TRIB2	1	8665.77*	Max WS	67.57	485.14	485.98	486.14	486.50	0.072391	5.74	11.77	26.99	1.53
TRIB2	1	8640	Max WS	67.57	483.72	485.06	485.17	485.60	0.033932	5.94	11.86	18.01	1.15
TRIB2	1	8593.75*	Max WS	67.77	482.59	483.88	483.92	484.33	0.027456	5.41	12.93	18.20	1.04
TRIB2	1	8547.5*	Max WS	67.98	481.46	482.62	482.68	483.09	0.032440	5.53	12.51	18.45	1.12
TRIB2	1	8501.25*	Max WS	68.18	480.32	481.68		481.90	0.010339	3.79	18.82	22.21	0.66
TRIB2	1	8455	Max WS	68.38	479.19	479.96	480.23	480.84	0.103692	7.50	9.12	18.24	1.87
TRIB2	1	8409.*	Max WS	68.55	476.28	477.19	477.45	478.05	0.088651	7.43	9.22	16.61	1.76
TRIB2	1	8363.*	Max WS	68.71	473.37	474.36	474.69	475.47	0.111916	8.46	8.12	14.29	1.98
TRIB2	1	8317.*	Max WS	68.87	470.45	471.77	471.95	472.48	0.045191	6.74	10.32	14.10	1.33
TRIB2	1	8271.*	Max WS	69.03	467.54	468.83	469.29	470.16	0.104082	9.24	7.47	10.97	1.95
TRIB2	1	8225	Max WS	69.20	464.63	466.26	466.63	467.23	0.052665	8.02	9.62	17.15	1.45
TRIB2	1	8182.5*	Max WS	69.39	463.19	464.80	465.00	465.58	0.043679	7.09	9.84	11.71	1.31
TRIB2	1	8140.*	Max WS	69.59	461.75	463.31	463.45	463.98	0.041847	6.59	10.56	12.64	1.27
TRIB2	1	8097.5*	Max WS	69.78	460.32	461.83	461.95	462.43	0.037584	6.24	11.18	13.47	1.21
TRIB2	1	8055.*	Max WS	69.97	458.88	460.32	460.44	460.91	0.037626	6.17	11.34	13.96	1.21
TRIB2	1	8012.5*	Max WS	70.15	457.44	458.77	458.94	459.44	0.046221	6.58	10.67	13.94	1.32
TRIB2	1	7970	Max WS	70.34	456.00	457.50	457.45	457.89	0.022912	5.01	14.03	16.28	0.95
TRIB2	1	7925.02*	Max WS	70.54	455.00	456.49	456.45	456.87	0.023561	4.98	14.18	17.06	0.96
TRIB2	1	7880.04*	Max WS	70.74	454.00	455.47	455.45	455.86	0.025212	5.01	14.11	17.68	0.99
TRIB2	1	7835.06*	Max WS	70.94	453.00	454.47	454.45	454.84	0.024511	4.87	14.56	18.69	0.97
TRIB2	1	7790.08*	Max WS	71.13	452.00	453.43	453.45	453.83	0.028818	5.08	13.99	19.08	1.05
TRIB2	1	7745.10*	Max WS	71.33	451.00	452.53		452.82	0.019911	4.34	16.42	21.52	0.88
TRIB2	1	7700.13	Max WS	71.53	450.00	451.34	451.44	451.82	0.040611	5.59	12.81	19.65	1.22
TRIB2	1	7653.10*	Max WS	71.74	448.22	449.61	449.71	450.11	0.039339	5.65	12.69	18.64	1.21
TRIB2	1	7606.07*	Max WS	71.96	446.44	447.86	448.01	448.44	0.045090	6.12	11.75	16.91	1.29
TRIB2	1	7559.05*	Max WS	72.17	444.65	446.17	446.32	446.77	0.042548	6.19	11.66	15.72	1.27
TRIB2	1	7512.02*	Max WS	72.38	442.87	444.41	444.63	445.20	0.055921	7.13	10.15	13.48	1.45
TRIB2	1	7465	Max WS	72.59	441.09	443.05	442.99	443.52	0.019568	5.46	13.58	14.10	0.91
TRIB2	1	7421.*	Max WS	72.78	440.56	442.41	442.35	442.84	0.019009	5.31	14.15	15.63	0.90
TRIB2	1	7377.*	Max WS	72.97	440.04	441.77	441.71	442.18	0.018697	5.18	14.75	17.55	0.89
TRIB2	1	7333.*	Max WS	73.16	439.51	441.13	441.08	441.51	0.018239	5.03	15.57	19.97	0.88
TRIB2	1	7289.*	Max WS	73.34	438.99	440.61		440.87	0.011416	4.22	19.81	26.26	0.71
TRIB2	1	7245	Max WS	73.53	438.46	439.68	439.82	440.18	0.034104	5.81	14.08	25.80	1.16
TRIB2	1	7203.65*	Max WS	73.72	437.10	438.40	438.51	438.93	0.032917	5.93	13.34	21.02	1.15
TRIB2	1	7162.30*	Max WS	73.90	435.73	437.05	437.21	437.70	0.041300	6.53	11.88	17.76	1.28
TRIB2	1	7120.95*	Max WS	74.00	434.36	435.96	435.93	436.39	0.019814	5.33	15.08	18.59	0.92
TRIB2	1	7079.61	Max WS	74.25	433.00	435.59	434.67	435.69	0.002194	2.70	33.67	24.92	0.34
TRIB2	1	7000		Bridge									
TRIB2	1	6895.13	Max WS	74.25	430.00	431.70		432.05	0.017146	4.73	15.81	17.16	0.84
TRIB2	1	6849.62*	Max WS	74.24	429.23	430.94		431.29	0.017253	4.77	15.71	17.09	0.85
TRIB2	1	6804.11*	Max WS	74.23	428.45	430.18		430.54	0.017166	4.80	15.63	17.00	0.85
TRIB2	1	6758.6*	Max WS	74.22	427.68	429.42		429.78	0.017177	4.87	15.48	16.89	0.85
TRIB2	1	6713.09*	Max WS	74.19	426.91	428.65		429.03	0.017092	4.93	15.37	16.82	0.85

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	6667.58*	Max WS	74.19	426.14	427.90		428.28	0.016799	4.97	15.34	16.75	0.85
TRIB2	1	6622.07*	Max WS	63.89	425.36	427.39		427.57	0.006087	3.48	19.65	19.16	0.53
TRIB2	1	6576.56	Max WS	63.88	424.59	427.33		427.39	0.001294	2.13	36.90	28.98	0.26
TRIB2	2	6527.5	Max WS	245.20	423.76	426.38	426.59	427.30	0.024971	7.82	34.34	34.29	1.10
TRIB2	2	6487.58*	Max WS	245.19	422.93	425.39	425.59	426.28	0.024629	7.65	34.75	34.88	1.09
TRIB2	2	6447.66*	Max WS	245.18	422.10	424.41	424.58	425.27	0.024523	7.50	35.19	35.53	1.08
TRIB2	2	6407.74*	Max WS	245.16	421.27	423.48	423.60	424.25	0.022446	7.15	37.06	37.40	1.04
TRIB2	2	6367.83	Max WS	245.14	420.44	422.80		423.27	0.011306	5.63	50.30	47.52	0.76
TRIB2	2	6321.26*	Max WS	245.38	419.79	422.28	422.10	422.74	0.011188	5.60	50.52	50.15	0.75
TRIB2	2	6274.69*	Max WS	245.62	419.14	421.76	421.59	422.22	0.011148	5.58	50.59	52.77	0.75
TRIB2	2	6228.13*	Max WS	245.86	418.50	421.25	421.08	421.71	0.011060	5.55	50.84	55.78	0.74
TRIB2	2	6181.56*	Max WS	246.09	417.85	420.71	420.57	421.19	0.011650	5.62	49.56	58.08	0.76
TRIB2	2	6135	Max WS	246.31	417.20	420.06	419.94	420.67	0.016404	6.26	40.94	54.71	0.89
TRIB2	2	6087.5*	Max WS	246.54	416.43	419.28	419.17	419.91	0.016433	6.33	40.04	42.04	0.89
TRIB2	2	6040.*	Max WS	246.78	415.66	418.50	418.43	419.14	0.016493	6.40	40.00	39.00	0.89
TRIB2	2	5992.5*	Max WS	247.03	414.89	417.72	417.68	418.37	0.016555	6.47	40.05	38.31	0.90
TRIB2	2	5945.*	Max WS	247.28	414.12	416.94	416.91	417.59	0.016590	6.53	40.35	38.68	0.90
TRIB2	2	5897.5*	Max WS	247.53	413.36	416.15	416.14	416.81	0.016616	6.59	40.89	39.84	0.90
TRIB2	2	5850.*	Max WS	247.77	412.59	415.35	415.38	416.02	0.017007	6.68	41.24	41.23	0.91
TRIB2	2	5802.5*	Max WS	248.01	411.82	414.49	414.72	415.21	0.019450	6.99	42.25	66.20	0.97
TRIB2	2	5755	Max WS	248.24	411.05	413.64	413.77	414.15	0.016118	6.28	59.86	102.74	0.88
TRIB2	2	5708.12*	Max WS	248.45	410.28	412.89	413.04	413.41	0.016392	6.36	59.20	104.85	0.89
TRIB2	2	5661.25*	Max WS	248.70	409.51	412.12	412.29	412.67	0.016815	6.45	58.36	105.31	0.90
TRIB2	2	5614.37*	Max WS	248.93	408.74	411.37	411.53	411.91	0.016846	6.47	58.23	104.69	0.90
TRIB2	2	5567.5*	Max WS	249.16	407.97	410.61	410.76	411.15	0.016450	6.42	59.21	104.94	0.89
TRIB2	2	5520.62*	Max WS	249.38	407.20	409.83	409.98	410.40	0.017598	6.59	56.91	99.66	0.92
TRIB2	2	5473.75*	Max WS	249.59	406.43	409.05	409.22	409.65	0.018842	6.77	54.65	94.02	0.95
TRIB2	2	5426.87*	Max WS	249.84	405.66	408.27	408.45	408.89	0.019734	6.88	53.01	87.74	0.97
TRIB2	2	5380	Max WS	250.07	404.89	407.58	407.67	408.07	0.015178	6.25	59.03	82.23	0.86
TRIB2	2	5330.38*	Max WS	250.32	404.21	406.92	406.95	407.46	0.015082	6.36	53.06	67.86	0.86
TRIB2	2	5280.76*	Max WS	250.56	403.53	406.24	406.32	406.85	0.015599	6.56	48.42	60.54	0.88
TRIB2	2	5231.15*	Max WS	250.80	402.85	405.53	405.60	406.19	0.015951	6.66	44.26	53.25	0.89
TRIB2	2	5181.53*	Max WS	251.04	402.17	404.82	404.79	405.47	0.015808	6.63	42.68	38.51	0.89
TRIB2	2	5131.92*	Max WS	251.30	401.49	404.09	404.05	404.73	0.015604	6.56	42.97	38.29	0.88
TRIB2	2	5082.30*	Max WS	251.56	400.81	403.36	403.32	403.99	0.015512	6.51	43.23	38.29	0.88
TRIB2	2	5032.69*	Max WS	251.82	400.12	402.64	402.58	403.26	0.015293	6.45	43.66	38.84	0.87
TRIB2	2	4983.07*	Max WS	252.07	399.44	401.92	401.86	402.52	0.015128	6.38	44.16	39.57	0.87
TRIB2	2	4933.46*	Max WS	252.32	398.76	401.19	401.13	401.78	0.015014	6.33	44.56	40.11	0.86
TRIB2	2	4883.84*	Max WS	252.57	398.08	400.45	400.40	401.05	0.015282	6.33	44.60	40.86	0.87
TRIB2	2	4834.23*	Max WS	252.82	397.40	399.71	399.67	400.31	0.015567	6.33	44.67	41.77	0.88
TRIB2	2	4784.61*	Max WS	253.06	396.72	398.97	398.94	399.57	0.015916	6.34	44.73	43.22	0.88
TRIB2	2	4735	Max WS	253.31	396.04	398.22	398.21	398.83	0.016866	6.41	44.28	44.88	0.91
TRIB2	2	4689.09*	Max WS	253.55	395.31	397.51	397.50	398.13	0.016975	6.44	43.63	41.72	0.91
TRIB2	2	4643.18*	Max WS	253.79	394.58	396.79	396.78	397.41	0.017085	6.46	43.39	40.52	0.91
TRIB2	2	4597.27*	Max WS	254.02	393.85	396.07	396.07	396.70	0.017221	6.48	43.33	40.58	0.92
TRIB2	2	4551.36*	Max WS	254.26	393.12	395.35	395.35	395.98	0.017364	6.51	43.29	40.85	0.92
TRIB2	2	4505.45*	Max WS	254.49	392.39	394.63	394.64	395.27	0.017401	6.52	43.33	41.29	0.92
TRIB2	2	4459.54*	Max WS	254.72	391.65	393.91	393.93	394.55	0.017406	6.53	43.40	41.98	0.92
TRIB2	2	4413.63*	Max WS	254.95	390.92	393.19	393.21	393.83	0.017347	6.53	43.54	42.64	0.92
TRIB2	2	4367.72*	Max WS	255.18	390.19	392.48	392.49	393.11	0.017264	6.53	43.65	42.97	0.92
TRIB2	2	4321.81*	Max WS	255.40	389.46	391.76	391.77	392.39	0.017165	6.53	43.80	43.69	0.92
TRIB2	2	4275.90*	Max WS	255.64	388.73	391.05	391.05	391.67	0.016477	6.45	44.63	44.88	0.90
TRIB2	2	4230	Max WS	255.88	388.00	390.07	390.33	391.02	0.031080	7.89	34.43	34.37	1.20
TRIB2	2	4181.29*	Max WS	255.50	386.63	388.71	388.97	389.67	0.031250	7.94	34.01	34.27	1.21
TRIB2	2	4132.59*	Max WS	252.55	385.26	387.81		388.26	0.010359	5.58	53.83	52.03	0.73
TRIB2	2	4083.89*	Max WS	251.71	383.90	387.72		387.78	0.000891	2.33	199.14	196.87	0.23
TRIB2	2	4035.18*	Max WS	251.61	382.53	387.72		387.73	0.000079	0.89	520.13	227.61	0.07
TRIB2	2	3986.48*	Max WS	251.48	381.16	387.72		387.72	0.000017	0.50	882.38	255.93	0.04
TRIB2	2	3937.78*	Max WS	251.35	379.79	387.72		387.72	0.000006	0.33	1278.57	277.29	0.02
TRIB2	2	3889.07*	Max WS	364.63	378.42	387.72		387.72	0.000005	0.35	1698.78	289.31	0.02
TRIB2	2	3840.37*	Max WS	364.48	377.06	387.72		387.72	0.000003	0.27	2120.72	293.72	0.02
TRIB2	2	3791.67*	Max WS	364.31	375.69	387.72		387.72	0.000001	0.22	2539.19	298.49	0.01
TRIB2	2	3742.97	Max WS	364.16	374.32	387.71		387.75	0.000069	1.67	217.66	300.11	0.08
TRIB2	2	3500		Culvert									
TRIB2	2	3435.77	Max WS	364.16	369.21	373.38		374.49	0.014584	8.53	44.44	27.94	0.89
TRIB2	2	3389.32*	Max WS	364.15	369.15	372.96	372.79	373.79	0.011935	7.54	56.07	32.24	0.81
TRIB2	2	3342.88*	Max WS	364.14	369.10	372.51	372.34	373.24	0.011348	7.15	60.58	37.90	0.80
TRIB2	2	3296.44*	Max WS	364.13	369.04	371.99	371.89	372.68	0.012308	7.02	64.05	46.18	0.82
TRIB2	2	3250	Max WS	364.11	368.99	371.33	371.40	372.07	0.017484	7.42	62.42	53.34	0.96
TRIB2	2	3203.*	Max WS	364.32	368.05	370.58	370.65	371.37	0.017590	7.53	59.83	50.22	0.96
TRIB2	2	3156.*	Max WS	364.52	367.11	369.84	369.90	370.63	0.016981	7.50	58.87	47.90	0.95
TRIB2	2	3109.*	Max WS	364.75	366.18	369.08	369.12	369.88	0.016834	7.49	57.93	45.68	0.94
TRIB2	2	3062.*	Max WS	364.97	365.24	368.31	368.36	369.11	0.016896	7.49	57.38	44.65	0.94
TRIB2	2	3015	Max WS	365.04	364.30	367.60	367.59	368.34	0.014986	7.19	60.20	46.41	0.89
TRIB2	2	2970.*	Max WS	363.22	363.86	367.00	366.92	367.69	0.013621	6.82	61.04	47.72	0.85
TRIB2	2	2925.*	Max WS	333.39	363.41	366.61		367.03	0.007794	5.38	72.66	57.93	0.65
TRIB2	2	2880	Max WS	331.91	362.97	366.55		366.74	0.003012	3.76	118.32	92.32	0.42
TRIB2	2	2834.83*	Max WS	332.04	362.40	366.52		366.62	0.001328	2.87	164.93	93.80	0.29
TRIB2	2	2789.67*	Max WS	332.17	361.84	366.51		366.57	0.000657	2.26	213.63	93.25	0.21
TRIB2	2	2744.50*	Max WS	332.29	361.27	366.50		366.54	0.000363	1.85	262.49	92.13	0.16
TRIB2	2	2699.34	Max WS	332.42	360.70	366.50		366.52	0.000221	1.57	311.24	91.37	0.13

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	2653.25*	Max WS	332.54	360.07	366.49		366.51	0.000167	1.48	350.94	99.93	0.11
TRIB2	2	2607.17*	Max WS	332.66	359.45	366.49		366.51	0.000107	1.28	419.64	108.96	0.09
TRIB2	2	2561.08*	Max WS	332.77	358.82	366.49		366.50	0.000062	1.04	518.28	118.74	0.07
TRIB2	2	2515	Max WS	332.89	358.19	366.49		366.50	0.000034	0.81	648.62	126.73	0.05
TRIB2	2	2475.28*	Max WS	332.85	357.31	366.49		366.50	0.000033	0.87	650.54	131.79	0.05
TRIB2	2	2435.57*	Max WS	332.80	356.42	366.49		366.50	0.000025	0.80	709.66	134.77	0.05
TRIB2	2	2395.85*	Max WS	332.75	355.54	366.49		366.49	0.000015	0.67	825.25	137.58	0.04
TRIB2	2	2356.14	Max WS	332.71	354.66	366.43		366.57	0.000271	2.98	111.79	138.81	0.16
TRIB2	2	2150		Culvert									
TRIB2	2	2107.54	Max WS	332.69	352.00	355.03		355.73	0.009980	6.72	49.49	46.56	0.75
TRIB2	2	2061.69*	Max WS	332.69	351.75	354.96		355.34	0.006248	5.18	77.11	54.22	0.59
TRIB2	2	2015.84*	Max WS	332.50	351.51	354.62		355.06	0.007646	5.56	74.96	59.57	0.65
TRIB2	2	1970	Max WS	329.54	351.26	354.19	354.13	354.69	0.010466	6.11	72.39	69.74	0.75
TRIB2	2	1928.*	Max WS	328.63	350.82	354.02		354.31	0.005604	4.85	97.62	81.87	0.56
TRIB2	2	1886.*	Max WS	328.58	350.39	353.97		354.11	0.002544	3.61	139.38	97.38	0.39
TRIB2	2	1844.*	Max WS	327.92	349.95	353.95		354.02	0.001176	2.69	194.48	114.90	0.27
TRIB2	2	1802.*	Max WS	327.92	349.52	353.94		353.98	0.000580	2.06	262.53	134.19	0.19
TRIB2	2	1760	Max WS	327.91	349.08	353.94		353.96	0.000307	1.61	344.08	155.95	0.14
TRIB2	2	1717.77*	Max WS	328.03	348.51	353.93		353.95	0.000228	1.50	366.05	145.08	0.12
TRIB2	2	1675.54*	Max WS	328.15	347.94	353.92		353.94	0.000181	1.44	380.86	134.66	0.11
TRIB2	2	1633.31*	Max WS	328.27	347.37	353.91		353.93	0.000152	1.41	390.09	126.12	0.11
TRIB2	2	1591.08*	Max WS	328.38	346.80	353.91		353.92	0.000131	1.39	396.83	118.32	0.10
TRIB2	2	1548.85*	Max WS	328.50	346.23	353.90		353.92	0.000115	1.36	404.06	110.97	0.09
TRIB2	2	1506.63	Max WS	328.63	345.66	353.76		353.99	0.000801	3.81	86.31	102.01	0.25
TRIB2	2	1400		Culvert									
TRIB2	2	1336.79	Max WS	140.28	342.58	351.94		351.94	0.000014	0.57	248.00	184.58	0.03
TRIB2	2	1296.34*	Max WS	140.25	341.95	351.94		351.94	0.000002	0.20	1078.89	183.30	0.01
TRIB2	2	1255.89*	Max WS	140.23	341.33	351.94		351.94	0.000001	0.18	1164.03	180.37	0.01
TRIB2	2	1215.44*	Max WS	140.21	340.70	351.94		351.94	0.000001	0.17	1246.06	174.27	0.01
TRIB2	2	1175	Max WS	140.19	340.08	351.94		351.94	0.000001	0.16	1328.25	168.96	0.01
TRIB2	2	1125.*	Max WS	140.16	339.49	351.94		351.94	0.000001	0.15	1414.76	174.34	0.01
TRIB2	2	1075.*	Max WS	140.13	338.89	351.94		351.94	0.000001	0.14	1520.99	205.60	0.01
TRIB2	2	1025	Max WS	140.10	338.30	351.94		351.94	0.000000	0.13	1658.95	211.66	0.01
TRIB1	1	15010	Max WS	20.49	485.17	486.01	486.03	486.26	0.035773	3.98	5.15	12.21	1.07
TRIB1	1	14964.*	Max WS	20.49	483.66	484.39	484.40	484.59	0.036748	3.61	5.68	15.71	1.06
TRIB1	1	14918.*	Max WS	20.48	482.16	482.76	482.79	482.96	0.046581	3.59	5.70	18.97	1.15
TRIB1	1	14872.*	Max WS	20.48	480.65	481.19	481.21	481.35	0.041475	3.21	6.37	22.96	1.08
TRIB1	1	14826.*	Max WS	20.47	479.15	479.58	479.63	479.77	0.064728	3.50	5.85	25.98	1.30
TRIB1	1	14780	Max WS	20.47	477.64	477.96	478.05	478.26	0.148737	4.39	4.66	27.42	1.88
TRIB1	1	14731.6*	Max WS	20.89	475.53	476.04	476.06	476.19	0.051062	3.18	6.57	28.19	1.16
TRIB1	1	14683.3*	Max WS	22.81	473.42	474.00	474.10	474.29	0.110416	4.34	5.26	25.22	1.67
TRIB1	1	14635.*	Max WS	26.50	471.32	471.93	472.13	472.81	0.396458	7.52	3.52	19.26	3.10
TRIB1	1	14586.6*	Max WS	30.55	469.21	469.90	470.18	471.11	0.233171	8.81	3.47	9.99	2.63
TRIB1	1	14538.3*	Max WS	32.20	467.10	468.18	468.20	468.40	0.034434	3.80	8.48	20.53	1.04
TRIB1	1	14490	Max WS	31.97	464.99	466.12	466.18	466.43	0.051864	4.49	7.12	18.17	1.26
TRIB1	1	14445.*	Max WS	32.00	462.39	463.43	463.54	463.85	0.073530	5.16	6.20	16.68	1.49
TRIB1	1	14400.*	Max WS	31.89	459.80	460.84	460.90	461.18	0.049050	4.67	6.83	15.80	1.25
TRIB1	1	14355.*	Max WS	31.87	457.20	458.12	458.27	458.63	0.074667	5.75	5.55	12.88	1.54
TRIB1	1	14310.*	Max WS	31.56	454.61	455.58	455.63	455.92	0.039261	4.63	6.81	13.48	1.15
TRIB1	1	14265	Max WS	30.81	452.01	454.69		454.74	0.000715	1.79	17.17	31.90	0.20
TRIB1	1	14200		Culvert									
TRIB1	1	14122.5	Max WS	30.81	448.36	449.35	449.33	449.63	0.025622	4.23	7.28	14.55	0.96
TRIB1	1	14075.*	Max WS	30.72	447.14	448.16		448.39	0.025455	3.81	8.06	15.52	0.93
TRIB1	1	14027.5*	Max WS	30.62	445.92	446.94	446.91	447.16	0.026359	3.79	8.07	16.07	0.94
TRIB1	1	13980	Max WS	30.54	444.70	445.73		445.94	0.025141	3.66	8.34	16.89	0.92
TRIB1	1	13930.*	Max WS	30.49	443.38	444.45		444.68	0.025692	3.86	7.90	15.00	0.94
TRIB1	1	13880.*	Max WS	30.44	442.05	443.18		443.43	0.025236	3.96	7.68	13.78	0.93
TRIB1	1	13830.*	Max WS	30.41	440.73	441.91	441.88	442.17	0.025980	4.12	7.37	12.67	0.95
TRIB1	1	13780.*	Max WS	30.38	439.41	440.64		440.91	0.024936	4.16	7.29	11.92	0.94
TRIB1	1	13730.*	Max WS	30.37	438.08	439.34	439.32	439.64	0.027054	4.39	6.91	11.01	0.98
TRIB1	1	13680	Max WS	30.31	436.76	438.10		438.38	0.023051	4.21	7.19	10.74	0.91
TRIB1	1	13635.8*	Max WS	30.28	435.83	437.15		437.39	0.021318	3.94	7.70	12.06	0.87
TRIB1	1	13591.6*	Max WS	30.25	434.89	436.17		436.41	0.023185	3.93	7.70	12.90	0.90
TRIB1	1	13547.5*	Max WS	30.26	433.96	435.26		435.46	0.019389	3.56	8.49	14.41	0.82
TRIB1	1	13503.3*	Max WS	28.36	433.03	434.28		434.47	0.019969	3.47	8.18	14.75	0.82
TRIB1	1	13459.1*	Max WS	18.15	432.09	434.14		434.15	0.000427	0.70	25.85	28.78	0.13
TRIB1	1	13415	Max WS	18.12	431.16	434.14		434.14	0.000030	0.29	72.87	66.14	0.04
TRIB1	1	13397.3*	Max WS	118.87	431.29	434.03		434.08	0.001142	1.77	72.52	58.52	0.24
TRIB1	1	13379.6*	Max WS	118.84	431.42	434.00		434.03	0.000822	1.51	84.82	64.65	0.20
TRIB1	1	13361.9*	Max WS	118.77	431.54	433.97		434.00	0.000585	1.29	100.98	74.20	0.17
TRIB1	1	13344.3*	Max WS	118.69	431.67	433.96		433.97	0.000413	1.10	120.62	85.00	0.15
TRIB1	1	13326.64	Max WS	117.95	431.80	433.95		433.96	0.000286	0.93	143.96	96.38	0.12
TRIB1	1	13288.7*	Max WS	117.95	430.60	433.95		433.95	0.000072	0.61	242.29	128.94	0.07
TRIB1	1	13250.8*	Max WS	118.33	429.40	433.95		433.95	0.000024	0.43	378.36	162.59	0.04
TRIB1	1	13212.9*	Max WS	118.16	428.20	433.95		433.95	0.000008	0.29	589.81	191.68	0.02
TRIB1	1	13175	Max WS	117.96	427.00	433.94		433.95	0.000045	0.65	247.19	212.75	0.06
TRIB1	1	13100		Culvert									
TRIB1	1	12910	Max WS	117.96	422.00	424.74	424.94	425.80	0.034964	8.24	14.31	143.60	1.21
TRIB1	1	12866.6*	Max WS	118.30	421.60	423.70		423.85	0.017452	3.22	41.21	103.33	0.77
TRIB1	1	12823.3*	Max WS	118.64	421.20	423.02		423.18	0.018572	3.32	40.46	102.89	0.80
TRIB1	1	12780.*	Max WS	118.98	420.80	422.36		422.51	0.017466	3.29	41.46	103.00	0.78

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	12736.6*	Max WS	119.33	420.40	421.68		421.84	0.019380	3.43	40.21	102.00	0.82
TRIB1	1	12693.3*	Max WS	119.68	420.00	421.05		421.18	0.015091	3.18	44.00	103.57	0.73
TRIB1	1	12650	Max WS	120.02	419.60	420.29	420.31	420.50	0.028939	3.97	35.28	98.94	0.99
TRIB1	1	12607.5*	Max WS	120.35	418.64	419.35	419.40	419.61	0.029311	4.23	32.64	88.71	1.01
TRIB1	1	12565.*	Max WS	120.68	417.67	418.41	418.43	418.67	0.027313	4.27	31.64	73.48	0.99
TRIB1	1	12522.5*	Max WS	121.01	416.71	417.45	417.47	417.73	0.027242	4.39	30.66	65.95	0.99
TRIB1	1	12480.*	Max WS	121.34	415.75	416.51	416.52	416.79	0.025337	4.43	30.57	61.24	0.97
TRIB1	1	12437.5*	Max WS	121.67	414.78	415.55	415.58	415.86	0.027770	4.71	28.76	55.89	1.02
TRIB1	1	12395	Max WS	122.00	413.82	414.70		414.94	0.016548	4.13	33.53	55.16	0.81
TRIB1	1	12345.*	Max WS	121.99	413.04	413.92		414.15	0.016243	4.10	34.15	56.72	0.80
TRIB1	1	12295.*	Max WS	121.99	412.26	413.11		413.35	0.017635	4.20	33.64	58.17	0.83
TRIB1	1	12245.*	Max WS	121.98	411.49	412.32		412.55	0.017553	4.17	34.49	61.81	0.83
TRIB1	1	12195.*	Max WS	121.99	410.71	411.47	411.47	411.74	0.022398	4.47	32.45	63.81	0.93
TRIB1	1	12145	Max WS	121.99	409.93	410.73		410.93	0.016178	3.96	38.31	75.46	0.80
TRIB1	1	12097.*	Max WS	121.98	409.14	410.07		410.30	0.016024	4.08	34.61	60.22	0.80
TRIB1	1	12049.*	Max WS	121.98	408.35	409.38		409.63	0.015922	4.10	32.65	52.72	0.80
TRIB1	1	12001.*	Max WS	121.98	407.57	408.69		408.93	0.014852	3.98	32.28	48.78	0.77
TRIB1	1	11953.*	Max WS	121.98	406.78	407.91		408.19	0.019575	4.28	28.91	43.41	0.87
TRIB1	1	11905	Max WS	121.97	405.99	407.33		407.52	0.010287	3.45	35.67	44.95	0.65
TRIB1	1	11855.*	Max WS	127.76	405.57	406.86		407.05	0.010384	3.53	37.35	49.43	0.66
TRIB1	1	11805.*	Max WS	133.55	405.15	406.37		406.57	0.010711	3.61	39.27	54.34	0.67
TRIB1	1	11755.*	Max WS	139.34	404.74	405.89		406.08	0.010368	3.60	42.64	60.62	0.66
TRIB1	1	11705.*	Max WS	145.12	404.32	405.35		405.55	0.011655	3.73	44.21	66.68	0.69
TRIB1	1	11655	Max WS	150.91	403.90	404.91		405.05	0.008221	3.28	54.68	79.09	0.59
TRIB1	1	11608.9*	Max WS	156.16	403.47	404.51		404.68	0.008841	3.46	52.53	72.50	0.61
TRIB1	1	11562.9*	Max WS	161.40	403.03	404.11		404.28	0.008976	3.52	53.28	73.06	0.62
TRIB1	1	11516.9*	Max WS	166.65	402.60	403.71		403.88	0.008695	3.51	56.03	77.66	0.61
TRIB1	1	11470.9*	Max WS	171.90	402.16	403.22		403.42	0.011247	3.81	54.41	85.24	0.69
TRIB1	1	11424.96	Max WS	177.15	401.73	402.86		402.98	0.007244	3.18	75.95	139.57	0.56
TRIB1	1	11378.9*	Max WS	182.29	401.36	402.51		402.64	0.007590	3.31	68.60	100.76	0.57
TRIB1	1	11332.9*	Max WS	187.43	400.99	402.13		402.29	0.007874	3.40	66.10	88.80	0.59
TRIB1	1	11286.9*	Max WS	192.57	400.61	401.75		401.91	0.008204	3.48	64.99	83.29	0.60
TRIB1	1	11240.9*	Max WS	197.71	400.24	401.38		401.54	0.007950	3.46	66.65	82.89	0.59
TRIB1	1	11195	Max WS	202.86	399.87	400.87		401.08	0.012424	3.97	59.51	83.94	0.72
TRIB1	1	11153.3*	Max WS	207.89	399.24	400.32		400.56	0.012604	4.26	58.40	80.36	0.74
TRIB1	1	11111.6*	Max WS	212.92	398.60	399.69		399.99	0.016334	4.90	54.24	79.17	0.84
TRIB1	1	11070	Max WS	217.96	397.97	399.36		399.42	0.003173	2.59	127.23	167.98	0.39
TRIB1	1	11023.7*	Max WS	222.86	397.46	398.97		399.22	0.009086	4.36	62.20	69.52	0.66
TRIB1	1	10977.5*	Max WS	227.76	396.96	398.53		398.80	0.009617	4.36	58.98	61.21	0.67
TRIB1	1	10931.2*	Max WS	232.66	396.45	398.09		398.36	0.009543	4.23	59.58	61.14	0.66
TRIB1	1	10884.9*	Max WS	237.56	395.95	397.65		397.90	0.009673	4.12	60.64	62.06	0.66
TRIB1	1	10838.7*	Max WS	242.46	395.44	397.20		397.45	0.009934	4.03	61.84	63.44	0.67
TRIB1	1	10792.4*	Max WS	247.36	394.93	396.76		397.00	0.010248	3.95	63.27	64.35	0.67
TRIB1	1	10746.2*	Max WS	252.25	394.43	396.33		396.56	0.009994	3.83	65.94	65.04	0.66
TRIB1	1	10699.98	Max WS	257.15	393.92	395.96		396.15	0.008172	3.55	72.46	66.49	0.60
TRIB1	1	10655.9*	Max WS	262.74	393.56	395.58		395.79	0.008779	3.66	71.79	66.38	0.62
TRIB1	1	10611.9*	Max WS	268.33	393.20	395.22		395.44	0.008981	3.73	72.04	67.21	0.63
TRIB1	1	10567.9*	Max WS	273.92	392.84	394.88		395.10	0.008643	3.73	73.70	71.76	0.62
TRIB1	1	10524.*	Max WS	279.43	392.48	394.51		394.74	0.009130	3.84	73.43	79.24	0.64
TRIB1	1	10480	Max WS	284.25	392.12	394.04	393.81	394.33	0.012601	4.29	67.84	126.87	0.74
TRIB1	1	10440.0*	Max WS	283.90	390.75	393.74		393.81	0.001936	2.41	148.56	153.17	0.32
TRIB1	1	10400.0*	Max WS	283.84	389.37	393.73		393.75	0.000334	1.37	280.67	169.74	0.14
TRIB1	1	10360.08	Max WS	283.77	388.00	393.56		393.78	0.001228	3.75	75.69	181.89	0.29
TRIB1	1	10200		Culvert									
TRIB1	1	10160	Max WS	245.87	387.00	391.27		391.64	0.003999	4.90	50.22	99.25	0.47
TRIB1	1	10111.6*	Max WS	247.04	386.81	391.35		391.46	0.001627	2.91	119.47	98.57	0.30
TRIB1	1	10063.3*	Max WS	245.83	386.62	391.30		391.39	0.001251	2.71	127.25	99.67	0.27
TRIB1	1	10015	Max WS	245.81	386.43	391.29		391.34	0.000625	2.04	178.09	103.78	0.20
TRIB1	1	9966.25*	Max WS	288.80	385.96	391.22		391.30	0.000792	2.40	172.34	106.31	0.22
TRIB1	1	9917.5*	Max WS	288.76	385.49	391.21		391.26	0.000477	1.96	244.93	187.33	0.18
TRIB1	1	9868.75*	Max WS	288.72	385.02	391.22		391.23	0.000159	1.18	419.78	209.28	0.10
TRIB1	1	9820	Max WS	288.69	384.55	391.22		391.22	0.000053	0.70	635.98	217.90	0.06
TRIB1	1	9777.*	Max WS	288.76	384.19	391.21		391.22	0.000111	1.10	450.42	206.27	0.09
TRIB1	1	9734.*	Max WS	288.82	383.83	391.20		391.22	0.000136	1.29	365.52	177.54	0.10
TRIB1	1	9691.*	Max WS	288.89	383.47	391.20		391.21	0.000095	1.13	398.65	141.63	0.08
TRIB1	1	9648.*	Max WS	288.96	383.11	391.20		391.21	0.000058	0.93	494.03	147.18	0.07
TRIB1	1	9605	Max WS	289.03	382.75	391.20		391.21	0.000035	0.74	616.20	156.63	0.05
TRIB1	1	9555.*	Max WS	289.11	382.73	391.20		391.20	0.000032	0.74	614.07	151.14	0.05
TRIB1	1	9505.*	Max WS	289.18	382.71	391.20		391.20	0.000025	0.70	677.32	164.19	0.05
TRIB1	1	9455	Max WS	289.26	382.69	391.20		391.20	0.000016	0.57	785.47	153.70	0.04
TRIB1	1	9407.5*	Max WS	289.34	382.36	391.20		391.20	0.000014	0.56	811.32	151.60	0.03
TRIB1	1	9360.*	Max WS	289.41	382.02	391.20		391.20	0.000013	0.54	836.10	149.06	0.03
TRIB1	1	9312.5*	Max WS	289.49	381.69	391.20		391.20	0.000011	0.52	859.70	146.31	0.03
TRIB1	1	9265	Max WS	289.57	381.36	391.20		391.20	0.000010	0.51	881.81	143.31	0.03
TRIB1	1	9258.09*	Max WS	289.64	381.23	391.20		391.20	0.000010	0.50	886.32	142.60	0.03
TRIB1	1	9251.18*	Max WS	289.72	381.10	391.20		391.20	0.000009	0.49	895.66	141.88	0.03
TRIB1	1	9244.28*	Max WS	289.79	380.97	391.19		391.20	0.000008	0.48	910.38	141.21	0.03
TRIB1	1	9237.37*	Max WS	289.87	380.83	391.19		391.20	0.000007	0.46	930.16	140.57	0.03
TRIB1	1	9230.46*	Max WS	289.94	380.70	391.19		391.20	0.000007	0.44	954.54	139.95	0.02
TRIB1	1	9223.56*	Max WS	290.02	380.57	391.19		391.20	0.000006	0.42	983.85	139.38	0.02
TRIB1	1	9216.65*	Max WS	290.09	380.44	391.19		391.20	0.000005	0.40	1018.33	138.59	0.02

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	9209.75	Max WS	290.17	380.31	391.16		391.25	0.000188	2.47	117.48	138.38	0.13
TRIB1	1	9100		Culvert									
TRIB1	1	9036.32	Max WS	290.16	380.00	382.75	383.13	384.63	0.027659	11.00	26.37	40.20	1.25
TRIB1	1	8992.54*	Max WS	290.28	378.98	381.91		382.49	0.013355	6.15	48.47	32.43	0.82
TRIB1	1	8948.77*	Max WS	290.37	377.96	381.44		381.99	0.010056	5.99	51.06	31.63	0.73
TRIB1	1	8905	Max WS	290.49	376.94	381.26		381.65	0.005593	5.25	66.83	42.82	0.56
TRIB1	1	8862.5*	Max WS	290.60	376.91	381.04		381.43	0.005761	5.31	67.57	44.04	0.57
TRIB1	1	8820.*	Max WS	290.71	376.88	380.82		381.21	0.005844	5.34	68.91	45.46	0.58
TRIB1	1	8777.5*	Max WS	290.82	376.85	380.60		380.99	0.006010	5.39	69.89	46.76	0.58
TRIB1	1	8735.*	Max WS	290.92	376.81	380.36		380.75	0.006180	5.43	71.17	48.37	0.59
TRIB1	1	8692.5*	Max WS	291.00	376.78	380.13		380.50	0.006346	5.45	72.66	50.31	0.60
TRIB1	1	8650	Max WS	291.07	376.75	379.89		380.25	0.006335	5.40	75.66	53.39	0.60
TRIB1	1	8606.66*	Max WS	293.35	376.50	379.54		379.96	0.007490	5.53	64.79	44.03	0.64
TRIB1	1	8563.33*	Max WS	293.47	376.25	379.20		379.63	0.008028	5.39	60.49	39.49	0.66
TRIB1	1	8520	Max WS	293.59	376.00	378.83		379.26	0.009207	5.34	57.47	37.34	0.69
TRIB1	1	8471.42*	Max WS	293.71	375.67	378.42		378.84	0.009153	5.25	58.96	40.13	0.69
TRIB1	1	8422.85*	Max WS	293.84	375.33	378.01		378.41	0.009117	5.16	60.56	43.30	0.68
TRIB1	1	8374.28*	Max WS	293.96	375.00	377.61		378.00	0.008880	5.03	62.79	46.92	0.67
TRIB1	1	8325.71*	Max WS	294.08	374.67	377.18		377.56	0.009328	5.03	63.47	50.38	0.69
TRIB1	1	8277.14*	Max WS	294.20	374.34	376.76		377.13	0.009643	5.00	64.66	54.21	0.69
TRIB1	1	8228.57*	Max WS	293.34	374.00	376.37		376.71	0.009058	4.81	68.23	59.28	0.67
TRIB1	1	8180	Max WS	292.87	373.67	376.10		376.36	0.006552	4.25	79.85	67.39	0.58
TRIB1	1	8139.*	Max WS	292.88	372.96	375.95		376.14	0.003901	3.62	91.99	66.49	0.46
TRIB1	1	8098.*	Max WS	292.87	372.25	375.88		376.01	0.002146	2.97	113.71	73.99	0.35
TRIB1	1	8057.*	Max WS	293.00	371.53	375.85		375.94	0.001216	2.46	143.37	91.14	0.27
TRIB1	1	8016.*	Max WS	293.13	370.82	375.84		375.89	0.000686	2.00	193.73	133.11	0.20
TRIB1	1	7975	Max WS	293.25	370.11	375.84		375.87	0.000369	1.57	266.07	161.26	0.15
TRIB1	1	7926.42*	Max WS	314.74	369.89	375.82		375.85	0.000311	1.57	288.14	148.70	0.14
TRIB1	1	7877.85*	Max WS	314.87	369.67	375.81		375.83	0.000244	1.50	303.22	136.40	0.13
TRIB1	1	7829.28*	Max WS	315.00	369.45	375.80		375.82	0.000204	1.47	312.57	126.25	0.12
TRIB1	1	7780.71*	Max WS	315.14	369.22	375.79		375.81	0.000178	1.47	319.96	118.63	0.11
TRIB1	1	7732.14*	Max WS	315.28	369.00	375.78		375.80	0.000157	1.46	333.70	116.24	0.11
TRIB1	1	7683.57*	Max WS	315.41	368.78	375.78		375.80	0.000132	1.40	356.99	111.19	0.10
TRIB1	1	7635	Max WS	315.55	368.56	375.77		375.79	0.000103	1.30	380.64	98.24	0.09
TRIB1	1	7585.*	Max WS	315.69	368.34	375.77		375.78	0.000076	1.13	432.85	108.65	0.08
TRIB1	1	7535.*	Max WS	315.84	368.13	375.77		375.78	0.000056	0.98	490.19	118.90	0.07
TRIB1	1	7485.*	Max WS	315.98	367.91	375.77		375.78	0.000042	0.86	552.26	128.78	0.06
TRIB1	1	7435.*	Max WS	316.12	367.70	375.77		375.77	0.000032	0.75	619.39	138.46	0.05
TRIB1	1	7385	Max WS	316.26	367.48	375.77		375.77	0.000025	0.67	690.86	148.16	0.04
TRIB1	1	7335.83*	Max WS	316.41	366.90	375.77		375.77	0.000018	0.60	813.76	170.65	0.04
TRIB1	1	7286.66*	Max WS	316.54	366.32	375.77		375.77	0.000012	0.53	966.97	197.77	0.03
TRIB1	1	7237.5*	Max WS	316.67	365.74	375.77		375.77	0.000008	0.46	1153.32	222.16	0.03
TRIB1	1	7188.33*	Max WS	316.81	365.16	375.77		375.77	0.000006	0.40	1371.64	247.19	0.02
TRIB1	1	7139.16*	Max WS	316.94	364.58	375.77		375.77	0.000004	0.34	1623.42	272.43	0.02
TRIB1	1	7090	Max WS	317.06	364.00	375.77		375.77	0.000003	0.29	1908.06	297.37	0.02
TRIB1	1	7044.28*	Max WS	317.17	363.55	375.77		375.77	0.000003	0.31	1811.02	281.35	0.02
TRIB1	1	6998.57*	Max WS	317.29	363.11	375.77		375.77	0.000003	0.31	1740.90	264.72	0.02
TRIB1	1	6952.85*	Max WS	317.40	362.66	375.77		375.77	0.000003	0.31	1699.13	247.52	0.02
TRIB1	1	6907.14*	Max WS	317.53	362.22	375.77		375.77	0.000002	0.31	1687.00	230.34	0.02
TRIB1	1	6861.42*	Max WS	317.65	361.77	375.77		375.77	0.000002	0.29	1705.09	211.32	0.01
TRIB1	1	6815.71*	Max WS	317.77	361.33	375.77		375.77	0.000002	0.27	1748.17	196.94	0.01
TRIB1	1	6770	Max WS	317.90	360.88	375.77		375.77	0.000001	0.25	1809.19	186.25	0.01
TRIB1	1	6721.48*	Max WS	404.18	359.92	375.77		375.77	0.000001	0.25	2169.04	214.31	0.01
TRIB1	1	6672.96*	Max WS	404.15	358.96	375.77		375.77	0.000001	0.21	2549.15	242.82	0.01
TRIB1	1	6624.45	Max WS	404.13	358.00	375.76		375.79	0.000032	1.42	284.09	271.82	0.06
TRIB1	1	6400		Culvert									
TRIB1	1	6265	Max WS	404.12	356.64	360.37		361.04	0.009268	6.57	61.70	46.84	0.72
TRIB1	1	6217.5*	Max WS	404.08	356.10	360.13		360.66	0.007401	5.92	76.02	49.56	0.64
TRIB1	1	6170.*	Max WS	403.92	355.55	359.81		360.33	0.006780	5.91	77.98	49.85	0.62
TRIB1	1	6122.5*	Max WS	403.67	355.01	359.54		360.03	0.005771	5.75	83.21	51.79	0.58
TRIB1	1	6075	Max WS	403.34	354.47	359.37		359.78	0.004480	5.41	93.37	55.68	0.51
TRIB1	1	6036.25*	Max WS	414.34	354.59	359.22		359.60	0.004174	5.06	97.22	55.15	0.50
TRIB1	1	5997.5*	Max WS	414.35	354.71	359.11		359.43	0.003805	4.67	101.84	55.86	0.47
TRIB1	1	5958.75*	Max WS	414.34	354.83	358.99		359.29	0.003761	4.45	104.16	56.72	0.47
TRIB1	1	5920	Max WS	414.34	354.95	358.84		359.13	0.004090	4.37	103.41	57.62	0.48
TRIB1	1	5871.25*	Max WS	414.53	354.76	358.60		358.94	0.004674	4.79	96.46	53.63	0.52
TRIB1	1	5822.5*	Max WS	414.73	354.57	358.26		358.71	0.006284	5.55	86.91	52.51	0.60
TRIB1	1	5773.75*	Max WS	414.93	354.37	357.72	357.64	358.40	0.011357	7.01	75.43	58.90	0.80
TRIB1	1	5725	Max WS	415.12	354.18	357.60		357.83	0.004951	4.79	130.52	80.19	0.53
TRIB1	1	5685.*	Max WS	415.28	353.76	357.36		357.65	0.005212	5.19	119.81	73.10	0.55
TRIB1	1	5645.*	Max WS	415.44	353.33	357.14		357.47	0.005039	5.38	113.27	67.26	0.54
TRIB1	1	5605	Max WS	415.59	352.91	356.97		357.30	0.004210	5.22	112.52	60.58	0.50
TRIB1	1	5562.*	Max WS	415.76	352.79	356.73		357.13	0.005014	5.60	101.09	55.57	0.55
TRIB1	1	5519.*	Max WS	396.78	352.66	356.44		356.87	0.005581	5.73	91.06	51.77	0.58
TRIB1	1	5476.*	Max WS	416.10	352.54	356.10		356.68	0.007896	6.51	82.76	53.82	0.68
TRIB1	1	5433.*	Max WS	416.27	352.41	355.73	355.65	356.37	0.009940	6.89	82.64	74.37	0.75
TRIB1	1	5390	Max WS	416.44	352.29	355.68		355.89	0.004219	4.58	153.89	126.18	0.49
TRIB1	1	5343.*	Max WS	416.61	351.86	355.11		355.74	0.010223	6.82	78.74	55.31	0.76
TRIB1	1	5296.*	Max WS	416.79	351.43	354.65	354.51	355.30	0.010845	6.91	76.88	54.51	0.78
TRIB1	1	5249.*	Max WS	416.96	351.00	354.26		354.85	0.010101	6.66	81.54	59.60	0.75
TRIB1	1	5202.*	Max WS	417.13	350.57	353.98		354.42	0.007456	5.88	95.79	66.51	0.65

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	5155	Max WS	417.30	350.14	353.87		354.13	0.004134	4.69	125.47	75.93	0.49
TRIB1	1	5108.75*	Max WS	417.50	349.93	353.67		353.94	0.004213	4.91	124.27	71.11	0.50
TRIB1	1	5062.5*	Max WS	417.71	349.73	353.44		353.74	0.004668	5.31	119.56	66.15	0.53
TRIB1	1	5016.25*	Max WS	417.91	349.52	353.15		353.50	0.005921	6.06	110.33	61.21	0.60
TRIB1	1	4970	Max WS	418.11	349.31	352.67		353.16	0.010048	7.68	93.85	56.99	0.78
TRIB1	1	4926.66*	Max WS	335.06	348.97	352.29		352.63	0.005870	5.97	91.33	54.93	0.60
TRIB1	1	4883.33*	Max WS	327.01	348.63	352.14		352.40	0.003454	4.87	103.43	55.38	0.47
TRIB1	1	4840	Max WS	323.59	348.29	352.09		352.26	0.001918	3.90	122.30	56.88	0.36
TRIB1	1	4798.*	Max WS	320.20	347.89	352.04		352.18	0.001425	3.50	135.28	59.06	0.31
TRIB1	1	4756.*	Max WS	320.22	347.49	352.01		352.12	0.001067	3.17	150.11	61.39	0.27
TRIB1	1	4714.*	Max WS	318.58	347.08	351.99		352.08	0.000782	2.84	167.06	63.91	0.23
TRIB1	1	4672.*	Max WS	318.59	346.68	351.97		352.04	0.000581	2.57	185.50	66.28	0.20
TRIB1	1	4630	Max WS	316.99	346.28	351.96		352.02	0.000430	2.31	205.27	68.62	0.18
TRIB1	1	4582.*	Max WS	317.02	345.93	351.95		352.00	0.000314	2.04	234.22	75.18	0.15
TRIB1	1	4534.*	Max WS	317.04	345.58	351.95		351.98	0.000228	1.81	267.58	82.40	0.13
TRIB1	1	4486.*	Max WS	317.07	345.22	351.95		351.97	0.000164	1.59	306.42	89.73	0.11
TRIB1	1	4438.*	Max WS	317.09	344.87	351.94		351.96	0.000118	1.40	353.38	99.61	0.10
TRIB1	1	4390	Max WS	317.11	344.52	351.94		351.96	0.000082	1.21	417.37	112.99	0.08
TRIB1	1	4341.25*	Max WS	317.12	343.89	351.94		351.95	0.000051	1.00	509.25	124.68	0.06
TRIB1	1	4292.5*	Max WS	317.14	343.26	351.94		351.95	0.000033	0.84	610.95	136.87	0.05
TRIB1	1	4243.75*	Max WS	317.15	342.63	351.94		351.95	0.000022	0.72	722.44	150.04	0.04
TRIB1	1	4195	Max WS	317.16	342.00	351.94		351.95	0.000015	0.62	844.74	165.72	0.04
TRIB1	1	4147.5*	Max WS	317.18	341.61	351.94		351.95	0.000018	0.68	781.79	161.83	0.04
TRIB1	1	4100.*	Max WS	317.20	341.21	351.94		351.95	0.000018	0.69	770.38	155.55	0.04
TRIB1	1	4052.5*	Max WS	317.21	340.82	351.94		351.95	0.000016	0.66	803.56	154.08	0.04
TRIB1	1	4005	Max WS	317.23	340.42	351.94		351.94	0.000014	0.60	865.30	156.49	0.03
TRIB1	1	3955.*	Max WS	317.25	340.99	351.94		351.94	0.000013	0.57	875.51	146.75	0.03
TRIB1	1	3905	Max WS	317.26	341.56	351.94		351.94	0.000012	0.55	869.10	136.49	0.03
TRIB1	1	3856.25*	Max WS	317.24	341.04	351.94		351.94	0.000013	0.61	819.58	129.05	0.03
TRIB1	1	3807.5*	Max WS	317.23	340.52	351.94		351.94	0.000013	0.65	801.62	125.89	0.04
TRIB1	1	3758.75*	Max WS	317.21	340.01	351.94		351.94	0.000013	0.66	824.95	126.98	0.03
TRIB1	1	3710	Max WS	317.19	339.49	351.94		351.94	0.000011	0.62	899.42	132.11	0.03
TRIB1	1	3666.*	Max WS	317.16	339.25	351.94		351.94	0.000006	0.48	1128.67	165.54	0.02
TRIB1	1	3622.*	Max WS	317.13	339.02	351.94		351.94	0.000004	0.39	1371.31	201.46	0.02
TRIB1	1	3578.	Max WS	317.09	338.78	351.94		351.94	0.000003	0.33	1630.76	240.60	0.02
TRIB1	2	3534.	Max WS	457.19	338.15	351.94		351.94	0.000005	0.45	1956.23	288.81	0.02
TRIB1	2	3490	Max WS	457.15	337.96	351.94		351.94	0.000003	0.37	2343.87	343.50	0.02
TRIB1	2	3441.18*	Max WS	457.14	337.67	351.94		351.94	0.000003	0.38	2261.35	321.32	0.02
TRIB1	2	3392.36*	Max WS	457.13	337.38	351.94		351.94	0.000003	0.40	2167.32	297.70	0.02
TRIB1	2	3343.55*	Max WS	457.12	337.08	351.94		351.94	0.000004	0.41	2062.53	273.80	0.02
TRIB1	2	3294.73*	Max WS	457.11	336.79	351.94		351.94	0.000004	0.44	1946.56	250.29	0.02
TRIB1	2	3245.91*	Max WS	457.11	336.50	351.94		351.94	0.000005	0.47	1820.48	228.39	0.02
TRIB1	2	3197.1	Max WS	457.11	336.21	351.94	339.90	351.94	0.000005	0.51	1687.24	210.61	0.02
TRIB1	2	3100		Bridge									
TRIB1	2	3033.95	Max WS	457.11	336.09	351.93		351.94	0.000004	0.42	1911.54	233.59	0.02
TRIB1	2	2989.39*	Max WS	457.06	335.91	351.93		351.94	0.000003	0.41	1998.21	242.26	0.02
TRIB1	2	2944.84*	Max WS	457.00	335.73	351.93		351.94	0.000003	0.40	2091.24	250.82	0.02
TRIB1	2	2900.28*	Max WS	456.94	335.56	351.93		351.94	0.000003	0.38	2187.95	252.62	0.02
TRIB1	2	2855.73*	Max WS	456.89	335.38	351.93		351.94	0.000002	0.36	2286.12	254.42	0.02
TRIB1	2	2811.17*	Max WS	456.83	335.20	351.93		351.94	0.000002	0.35	2386.01	256.23	0.02
TRIB1	2	2766.62*	Max WS	456.77	335.02	351.93		351.94	0.000002	0.33	2487.65	258.03	0.01
TRIB1	2	2722.06*	Max WS	456.71	334.85	351.93		351.94	0.000002	0.32	2590.72	259.83	0.01
TRIB1	2	2677.51*	Max WS	456.65	334.67	351.93		351.93	0.000002	0.31	2695.26	261.63	0.01
TRIB1	2	2632.96	Max WS	456.59	334.49	351.93		351.93	0.000002	0.29	2801.58	263.43	0.01
TRIB1	2	2585.95*	Max WS	456.52	333.99	351.93		351.93	0.000001	0.27	3047.33	279.83	0.01
TRIB1	2	2538.94*	Max WS	456.46	333.49	351.93		351.93	0.000001	0.24	3305.26	296.23	0.01
TRIB1	2	2491.94*	Max WS	456.38	333.00	351.93		351.93	0.000001	0.22	3575.56	312.64	0.01
TRIB1	2	2444.93*	Max WS	456.31	332.50	351.93		351.93	0.000001	0.20	3857.84	329.04	0.01
TRIB1	2	2397.93	Max WS	456.24	332.00	351.92		351.98	0.000051	1.93	236.24	345.44	0.08
TRIB1	2	2200		Culvert									
TRIB1	2	2065	Max WS	456.23	330.41	333.83		334.95	0.013068	8.61	55.02	54.28	0.89
TRIB1	2	1965	Max WS	456.22	330.41	333.42		333.71	0.004858	4.60	127.15	86.48	0.52
TRIB1	2	1915.*	Max WS	456.13	330.01	333.14		333.46	0.005384	4.79	117.65	82.50	0.55
TRIB1	2	1865.*	Max WS	455.51	329.60	332.84		333.18	0.005791	4.89	111.68	82.32	0.57
TRIB1	2	1815	Max WS	430.59	329.20	332.59		332.87	0.004787	4.46	116.27	89.49	0.52
TRIB1	2	1770.*	Max WS	423.22	328.71	332.42		332.68	0.003543	4.26	123.63	79.28	0.46
TRIB1	2	1725.*	Max WS	468.18	328.22	332.12		332.48	0.004589	5.15	117.32	71.33	0.53
TRIB1	2	1680.*	Max WS	471.60	327.72	331.84		332.28	0.005304	5.87	110.02	65.18	0.57
TRIB1	2	1635	Max WS	471.59	327.23	331.23	331.20	332.10	0.010860	8.27	81.61	52.64	0.81
TRIB1	2	1595.*	Max WS	471.59	326.85	330.77	330.67	331.63	0.010857	8.00	77.63	47.43	0.81
TRIB1	2	1555.*	Max WS	471.58	326.47	330.41		331.16	0.009351	7.35	80.19	45.60	0.75
TRIB1	2	1515.*	Max WS	471.59	326.08	330.21		330.77	0.006678	6.36	90.49	46.91	0.63
TRIB1	2	1475	Max WS	471.56	325.70	330.12		330.52	0.004281	5.33	106.88	49.89	0.51
TRIB1	2	1435.00*	Max WS	471.57	325.99	330.01		330.35	0.003812	4.87	113.99	54.00	0.48
TRIB1	2	1395.01	Max WS	471.56	326.28	329.89		330.19	0.003669	4.56	119.24	58.20	0.47
TRIB1	2	1347.50*	Max WS	471.68	326.35	329.66		330.00	0.004860	4.90	117.47	75.89	0.53
TRIB1	2	1300	Max WS	471.79	326.43	329.52		329.78	0.004207	4.49	142.78	103.81	0.49
TRIB1	2	1263.33*	Max WS	471.78	326.11	329.29		329.63	0.005648	5.27	137.11	121.35	0.57
TRIB1	2	1226.66*	Max WS	471.73	325.79	328.93	328.96	329.42	0.009737	6.74	124.64	142.29	0.74
TRIB1	2	1190	Max WS	471.68	325.47	328.64		329.00	0.011014	6.92	141.01	158.89	0.76
ALDER	1	17980	Max WS	228.39	344.61	348.45		348.65	0.004892	3.82	76.60	93.47	0.43

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17934.1*	Max WS	228.39	344.54	348.26		348.48	0.005198	3.94	71.38	75.79	0.45
ALDER	1	17888.3*	Max WS	228.38	344.46	348.01		348.23	0.005653	4.04	66.94	54.47	0.46
ALDER	1	17842.5*	Max WS	228.37	344.39	347.75		347.99	0.006204	4.16	65.24	52.38	0.49
ALDER	1	17796.6*	Max WS	228.37	344.32	347.50		347.74	0.006561	4.20	65.22	53.35	0.50
ALDER	1	17750.8*	Max WS	228.36	344.24	347.26		347.49	0.006685	4.18	66.57	55.54	0.50
ALDER	1	17705	Max WS	228.34	344.17	347.03		347.24	0.006434	4.05	69.62	58.34	0.49
ALDER	1	17663.7*	Max WS	228.69	343.76	346.76		347.01	0.007186	4.46	64.97	56.31	0.52
ALDER	1	17622.5*	Max WS	229.04	343.35	346.46		346.77	0.008438	4.99	60.37	56.25	0.57
ALDER	1	17581.2*	Max WS	229.39	342.93	346.18		346.51	0.009239	5.38	64.36	79.97	0.60
ALDER	1	17540	Max WS	229.73	342.52	345.95		346.14	0.005987	4.48	80.45	81.62	0.48
ALDER	1	17490.4*	Max WS	230.11	342.38	345.68		345.88	0.006405	4.56	78.00	79.49	0.50
ALDER	1	17440.9*	Max WS	230.49	342.24	345.42		345.62	0.006721	4.61	76.98	80.26	0.51
ALDER	1	17391.3*	Max WS	230.88	342.11	345.16		345.37	0.006773	4.56	76.80	79.67	0.51
ALDER	1	17341.8*	Max WS	231.27	341.97	344.92		345.11	0.006631	4.46	77.51	79.14	0.51
ALDER	1	17292.2*	Max WS	231.65	341.83	344.68		344.86	0.006353	4.31	78.99	78.91	0.50
ALDER	1	17242.7*	Max WS	232.04	341.69	344.44		344.61	0.006034	4.15	80.74	78.57	0.48
ALDER	1	17193.1*	Max WS	232.42	341.55	344.20		344.36	0.005779	4.01	82.27	78.03	0.47
ALDER	1	17143.6*	Max WS	232.78	341.41	343.91		344.07	0.006149	4.02	80.48	75.91	0.48
ALDER	1	17094.0*	Max WS	233.17	341.28	343.63		343.79	0.006497	4.00	78.94	73.78	0.49
ALDER	1	17044.5*	Max WS	233.55	341.14	343.36		343.52	0.006529	3.91	79.11	72.96	0.49
ALDER	1	16995	Max WS	233.94	341.00	343.10		343.25	0.006372	3.77	80.18	72.63	0.48
ALDER	1	16950.8*	Max WS	234.30	340.58	342.86		343.01	0.006481	3.83	82.25	80.56	0.49
ALDER	1	16906.6*	Max WS	234.66	340.17	342.59		342.75	0.006618	3.85	83.31	85.86	0.49
ALDER	1	16862.5*	Max WS	235.02	339.76	342.26		342.43	0.007648	4.03	79.42	86.57	0.52
ALDER	1	16818.3*	Max WS	235.38	339.34	341.91		342.09	0.008515	4.09	75.31	81.13	0.55
ALDER	1	16774.1*	Max WS	235.74	338.93	341.56		341.74	0.008760	3.99	72.81	74.71	0.55
ALDER	1	16730	Max WS	236.10	338.51	341.18		341.38	0.009363	3.92	69.12	67.97	0.56
ALDER	1	16684.2*	Max WS	236.45	338.02	340.79		341.00	0.010078	4.16	66.77	65.27	0.58
ALDER	1	16638.5*	Max WS	236.81	337.54	340.40		340.63	0.010521	4.36	65.19	64.04	0.60
ALDER	1	16592.8*	Max WS	237.17	337.05	339.99		340.25	0.011217	4.57	62.86	64.06	0.62
ALDER	1	16547.1*	Max WS	237.52	336.57	339.57		339.87	0.011868	4.76	60.05	64.14	0.64
ALDER	1	16501.4*	Max WS	237.88	336.08	339.16		339.49	0.011826	4.83	57.82	63.94	0.64
ALDER	1	16455.7*	Max WS	238.23	335.60	338.76		339.08	0.010815	4.70	57.02	58.94	0.62
ALDER	1	16410	Max WS	238.58	335.11	338.39		338.68	0.008784	4.37	59.71	54.12	0.56
ALDER	1	16364.1*	Max WS	238.93	334.74	338.04		338.33	0.008794	4.43	59.83	55.47	0.56
ALDER	1	16318.3*	Max WS	239.29	334.37	337.68		337.98	0.008840	4.51	59.90	57.08	0.57
ALDER	1	16272.5*	Max WS	239.65	334.01	337.33		337.62	0.008715	4.54	60.63	57.87	0.56
ALDER	1	16226.6*	Max WS	240.01	333.64	336.97		337.27	0.008580	4.58	61.34	57.89	0.56
ALDER	1	16180.8*	Max WS	240.36	333.27	336.63		336.92	0.008229	4.57	62.71	58.15	0.55
ALDER	1	16135	Max WS	240.72	332.90	336.31		336.58	0.007539	4.49	66.07	62.98	0.53
ALDER	1	16089.*	Max WS	241.08	332.83	335.99		336.31	0.009003	4.84	62.88	66.61	0.58
ALDER	1	16043.*	Max WS	241.43	332.75	335.69		335.99	0.009186	4.85	64.70	68.08	0.59
ALDER	1	15997.*	Max WS	241.78	332.68	335.29		335.58	0.010257	4.92	64.57	66.28	0.61
ALDER	1	15951.*	Max WS	242.13	332.60	334.92		335.16	0.009978	4.67	67.31	65.28	0.60
ALDER	1	15905	Max WS	242.48	332.53	334.65		334.81	0.006840	3.86	77.99	66.06	0.50
ALDER	1	15856.*	Max WS	242.87	331.89	334.29		334.49	0.008404	4.35	73.61	71.11	0.55
ALDER	1	15807.*	Max WS	243.25	331.25	333.91		334.15	0.009823	4.75	71.15	78.30	0.60
ALDER	1	15758.*	Max WS	243.59	330.62	333.57		333.79	0.008715	4.57	75.76	131.37	0.56
ALDER	1	15709.*	Max WS	243.97	329.98	333.35		333.49	0.004831	3.60	94.02	150.95	0.42
ALDER	1	15660	Max WS	244.35	329.34	332.62	332.90	333.54	0.029555	7.96	35.31	134.31	1.00
ALDER	1	15611.2*	Max WS	244.34	328.45	331.66	331.67	332.15	0.018392	6.23	49.49	92.02	0.79
ALDER	1	15562.5*	Max WS	244.33	327.57	330.86	330.98	331.58	0.020835	6.98	39.47	58.87	0.86
ALDER	1	15513.7*	Max WS	244.29	326.68	330.03		330.66	0.016646	6.45	39.93	49.75	0.78
ALDER	1	15465	Max WS	190.17	325.80	329.70		329.87	0.003558	3.53	60.95	81.60	0.38
ALDER	1	15426.2*	Max WS	292.70	325.47	329.10		329.61	0.011353	6.00	55.60	60.42	0.66
ALDER	1	15387.5*	Max WS	292.66	325.14	328.92		329.23	0.006875	4.95	76.88	62.29	0.53
ALDER	1	15348.7*	Max WS	292.66	324.82	328.80		329.01	0.004260	4.15	91.92	59.98	0.42
ALDER	1	15310	Max WS	292.66	324.49	328.72	327.50	328.86	0.002657	3.49	105.87	54.79	0.34
ALDER	1	15300		Bridge									
ALDER	1	15170	Max WS	292.17	324.73	328.42		328.51	0.002886	2.90	131.52	102.77	0.33
ALDER	1	15125.*	Max WS	291.88	324.30	328.36		328.42	0.001405	2.28	174.00	119.86	0.24
ALDER	1	15080.	Max WS	291.88	323.87	328.35		328.37	0.000422	1.40	264.46	130.78	0.13
ALDER	2a	15035.	Max WS	762.27	323.45	328.20		328.30	0.002295	3.50	323.27	164.39	0.32
ALDER	2a	14990.*	Max WS	762.19	323.02	328.10		328.21	0.002130	3.54	338.23	192.17	0.31
ALDER	2a	14945	Max WS	762.26	322.59	328.08		328.13	0.000807	2.30	457.49	174.32	0.19
ALDER	2a	14899.1*	Max WS	817.55	322.52	327.93		328.07	0.002133	3.67	318.31	147.94	0.32
ALDER	2a	14853.3*	Max WS	817.54	322.44	327.71		327.95	0.003569	4.62	236.71	107.34	0.41
ALDER	2a	14807.5*	Max WS	817.38	322.36	327.45		327.77	0.004659	5.08	199.16	85.13	0.46
ALDER	2a	14761.6*	Max WS	817.87	322.29	327.13		327.53	0.006046	5.52	174.77	75.85	0.52
ALDER	2a	14715.8*	Max WS	818.58	322.22	326.89		327.28	0.006187	5.40	201.33	172.64	0.52
ALDER	2a	14670	Max WS	819.29	322.14	326.94		326.98	0.000978	2.20	502.11	239.96	0.21
ALDER	2a	14623.*	Max WS	827.20	322.14	326.86		326.93	0.001557	2.67	429.92	235.65	0.26
ALDER	2a	14576.*	Max WS	827.95	322.15	326.76		326.84	0.001890	2.82	402.54	232.41	0.28
ALDER	2a	14529.*	Max WS	828.69	322.15	326.66		326.75	0.002124	2.86	393.24	239.20	0.30
ALDER	2a	14482.*	Max WS	829.43	322.16	326.55		326.64	0.002404	2.89	386.58	250.05	0.31
ALDER	2a	14435	Max WS	830.17	322.16	326.43		326.51	0.002793	2.95	379.56	270.98	0.33
ALDER	2a	14385.*	Max WS	830.14	322.17	326.11		326.32	0.007264	4.47	274.79	276.72	0.53
ALDER	2a	14335.*	Max WS	830.10	322.19	325.78		325.97	0.007267	4.12	261.53	216.98	0.52
ALDER	2a	14285.*	Max WS	830.08	322.21	325.53		325.66	0.005170	3.25	289.78	200.78	0.43
ALDER	2a	14235	Max WS	830.05	322.22	325.34		325.46	0.003785	2.63	312.54	193.44	0.36
ALDER	2a	14192.*	Max WS	830.03	321.32	324.67	324.55	325.23	0.016711	6.22	148.93	117.31	0.79

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14149.*	Max WS	830.00	320.42	323.96		324.59	0.014878	6.45	138.90	86.01	0.76
ALDER	2a	14106.*	Max WS	830.00	319.52	323.43		324.02	0.011110	6.33	144.08	76.74	0.68
ALDER	2a	14063.*	Max WS	829.99	318.62	323.06		323.61	0.007985	6.19	154.54	76.80	0.59
ALDER	2a	14020	Max WS	829.99	317.72	322.74		323.31	0.006728	6.44	159.73	77.45	0.56
ALDER	2a	13975.*	Max WS	830.40	317.79	322.50		323.01	0.006455	6.13	167.20	81.23	0.55
ALDER	2a	13930.*	Max WS	830.81	317.86	322.25		322.72	0.006459	5.91	172.46	84.00	0.54
ALDER	2a	13885.*	Max WS	831.22	317.93	321.98		322.43	0.006842	5.80	175.04	87.59	0.55
ALDER	2a	13840	Max WS	831.63	318.00	321.69		322.11	0.007468	5.72	179.04	96.80	0.57
ALDER	2a	13795.*	Max WS	832.10	317.57	321.35		321.77	0.007663	5.77	184.05	104.36	0.58
ALDER	2a	13750	Max WS	832.57	317.13	321.07		321.42	0.006949	5.52	202.92	121.78	0.55
ALDER	2a	13703.7*	Max WS	833.01	316.85	320.66		321.09	0.008059	5.87	180.06	101.62	0.59
ALDER	2a	13657.5*	Max WS	833.46	316.57	320.27		320.72	0.008265	5.88	174.55	95.56	0.59
ALDER	2a	13611.2*	Max WS	833.91	316.28	319.87		320.33	0.008497	5.88	171.10	93.40	0.60
ALDER	2a	13565	Max WS	834.35	316.00	319.44		319.93	0.009161	5.96	165.45	91.11	0.62
ALDER	2a	13525.*	Max WS	834.66	315.33	319.10		319.59	0.007543	5.84	160.76	74.34	0.57
ALDER	2a	13485.*	Max WS	835.06	314.67	318.94		319.33	0.004838	5.18	177.92	65.64	0.47
ALDER	2a	13445	Max WS	835.45	314.00	318.86		319.16	0.003063	4.55	201.55	62.27	0.38
ALDER	2a	13399.*	Max WS	835.63	313.79	318.78		319.03	0.002635	4.20	220.46	69.82	0.36
ALDER	2a	13353.*	Max WS	835.96	313.57	318.72		318.93	0.002213	3.84	244.90	79.78	0.33
ALDER	2a	13307.*	Max WS	836.30	313.36	318.67		318.84	0.001791	3.45	279.75	96.03	0.29
ALDER	2a	13261.*	Max WS	836.63	313.14	318.65		318.77	0.001311	2.96	336.51	117.76	0.25
ALDER	2a	13215	Max WS	836.97	312.93	318.65		318.71	0.000765	2.28	462.66	186.29	0.19
ALDER	2a	13187.5*	Max WS	837.49	312.72	318.58		318.68	0.001201	2.92	378.84	147.58	0.24
ALDER	2a	13160	Max WS	838.01	312.52	318.41		318.63	0.002792	4.47	276.31	142.03	0.37
ALDER	2a	13132.5*	Max WS	838.33	311.79	318.36		318.54	0.002263	4.12	298.33	144.02	0.33
ALDER	2a	13105	Max WS	838.64	311.06	318.37		318.47	0.001234	3.12	398.83	170.91	0.24
ALDER	2a	13056.6*	Max WS	839.04	311.09	318.18		318.42	0.002598	4.48	275.75	144.40	0.35
ALDER	2a	13008.3*	Max WS	839.45	311.12	317.89		318.32	0.004456	5.72	198.56	104.83	0.46
ALDER	2a	12960.*	Max WS	839.87	311.15	317.53		318.07	0.006138	6.47	161.26	64.44	0.53
ALDER	2a	12911.6*	Max WS	840.29	311.19	317.02		317.75	0.009418	7.53	138.90	61.39	0.65
ALDER	2a	12863.3*	Max WS	840.71	311.22	316.32	316.31	317.32	0.016310	8.94	118.13	60.36	0.83
ALDER	2a	12815	Max WS	841.12	311.25	315.92		316.40	0.010460	6.78	165.55	123.83	0.66
ALDER	2a	12771.6*	Max WS	841.58	310.83	315.56		315.97	0.008822	6.53	189.30	123.22	0.62
ALDER	2a	12728.3*	Max WS	842.03	310.42	315.15		315.59	0.008480	6.61	190.40	120.44	0.61
ALDER	2a	12685	Max WS	842.49	310.00	314.52	314.58	315.18	0.012472	7.88	163.30	122.19	0.74
ALDER	2a	12645.*	Max WS	842.84	309.72	314.05		314.67	0.013187	7.59	156.31	105.55	0.75
ALDER	2a	12605.*	Max WS	843.22	309.44	313.83		314.19	0.007889	5.79	193.78	109.02	0.58
ALDER	2a	12565	Max WS	843.58	309.16	313.74		313.93	0.003999	4.18	250.65	115.75	0.41
ALDER	2a	12530.*	Max WS	843.91	309.44	313.58		313.79	0.004542	4.36	240.48	117.85	0.44
ALDER	2a	12495.*	Max WS	844.23	309.72	313.36		313.62	0.005779	4.68	222.68	119.36	0.49
ALDER	2a	12460	Max WS	844.56	310.00	312.90		313.34	0.012517	6.03	173.39	117.57	0.70
ALDER	2a	12412.5*	Max WS	845.02	308.39	312.14	312.13	312.79	0.013935	7.28	153.47	108.32	0.76
ALDER	2a	12365	Max WS	845.48	306.78	311.85		312.22	0.006812	6.01	209.20	128.26	0.55
ALDER	2a	12328.3*	Max WS	845.79	306.71	311.63		311.97	0.006409	5.77	212.71	128.35	0.53
ALDER	2a	12291.6*	Max WS	846.14	306.64	311.44		311.74	0.005684	5.41	222.48	131.23	0.50
ALDER	2a	12255	Max WS	846.48	306.57	311.31		311.55	0.004335	4.77	252.36	142.74	0.44
ALDER	2a	12215.*	Max WS	846.86	306.18	311.10		311.38	0.004854	5.05	235.53	137.06	0.47
ALDER	2a	12175.*	Max WS	847.23	305.79	310.87		311.18	0.005202	5.23	226.06	135.02	0.48
ALDER	2a	12135	Max WS	847.60	305.40	310.66		310.98	0.005185	5.24	224.81	136.61	0.48
ALDER	2a	12093.3*	Max WS	848.00	305.11	310.33		310.76	0.006751	5.98	190.09	111.66	0.55
ALDER	2a	12051.6*	Max WS	848.40	304.83	310.00		310.47	0.007450	6.32	180.54	99.08	0.57
ALDER	2a	12010	Max WS	848.80	304.54	309.54		310.13	0.009736	7.11	162.11	91.86	0.65
ALDER	2a	11971.6*	Max WS	849.19	304.36	309.12		309.75	0.010992	7.40	159.27	96.95	0.69
ALDER	2a	11933.3*	Max WS	849.55	304.18	308.85		309.32	0.008650	6.60	178.78	99.50	0.61
ALDER	2a	11895	Max WS	849.93	304.00	308.75		309.01	0.004740	5.07	229.26	108.27	0.46
ALDER	2a	11846.6*	Max WS	850.35	303.80	308.54		308.79	0.004846	4.83	232.31	115.32	0.46
ALDER	2a	11798.3*	Max WS	850.76	303.59	308.32		308.56	0.005080	4.59	231.09	115.15	0.46
ALDER	2a	11750	Max WS	851.17	303.39	308.07		308.31	0.005817	4.48	225.45	114.32	0.48
ALDER	2a	11703.3*	Max WS	851.61	303.15	307.75		308.04	0.006325	4.79	217.70	120.14	0.51
ALDER	2a	11656.6*	Max WS	852.04	302.90	307.37		307.73	0.007451	5.25	200.65	124.35	0.55
ALDER	2a	11610	Max WS	852.47	302.66	307.02		307.39	0.006775	5.12	184.23	110.65	0.53
ALDER	2a	11560.*	Max WS	852.93	302.16	306.63		307.05	0.007031	5.42	174.73	75.38	0.55
ALDER	2a	11510.*	Max WS	853.38	301.66	306.20		306.69	0.007526	5.78	163.15	71.15	0.57
ALDER	2a	11460.*	Max WS	853.85	301.16	305.76		306.31	0.007954	6.10	152.55	63.53	0.59
ALDER	2a	11410.*	Max WS	854.32	300.67	305.31		305.91	0.008280	6.36	145.53	57.30	0.60
ALDER	2a	11360.*	Max WS	854.79	300.17	304.83		305.49	0.008910	6.69	139.22	54.33	0.63
ALDER	2a	11310.*	Max WS	855.26	299.67	304.27		305.03	0.010276	7.18	132.54	54.75	0.67
ALDER	2a	11260	Max WS	855.72	299.17	303.69		304.52	0.011747	7.61	135.29	70.81	0.72
ALDER	2a	11219.*	Max WS	856.10	298.45	303.21		304.04	0.011646	7.55	132.35	66.73	0.71
ALDER	2a	11178.*	Max WS	856.49	297.72	302.71		303.55	0.011869	7.52	128.67	61.54	0.71
ALDER	2a	11137.*	Max WS	856.87	297.00	302.26		303.07	0.011580	7.37	128.55	57.94	0.70
ALDER	2a	11096.*	Max WS	857.25	296.27	301.81		302.59	0.011332	7.21	129.46	55.23	0.69
ALDER	2a	11055	Max WS	857.63	295.55	301.42		302.14	0.010087	6.90	134.48	54.41	0.64
ALDER	2a	11012.*	Max WS	858.03	295.50	301.01		301.70	0.009898	6.74	135.15	52.68	0.64
ALDER	2a	10969.*	Max WS	858.43	295.45	300.65		301.29	0.008978	6.48	139.40	53.25	0.62
ALDER	2a	10926.*	Max WS	858.83	295.41	300.36		300.93	0.007689	6.11	148.53	56.42	0.58
ALDER	2a	10883.*	Max WS	859.22	295.36	300.16		300.63	0.006125	5.61	164.09	61.40	0.52
ALDER	2a	10840	Max WS	859.62	295.31	300.03		300.40	0.004540	5.02	187.24	67.70	0.46
ALDER	2a	10793.6*	Max WS	860.03	295.05	299.78		300.18	0.005026	5.17	181.46	68.95	0.48
ALDER	2a	10747.3*	Max WS	860.46	294.78	299.52		299.94	0.005624	5.34	176.22	71.50	0.50
ALDER	2a	10701.0*	Max WS	860.90	294.52	299.22		299.67	0.006370	5.52	171.42	75.82	0.53

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

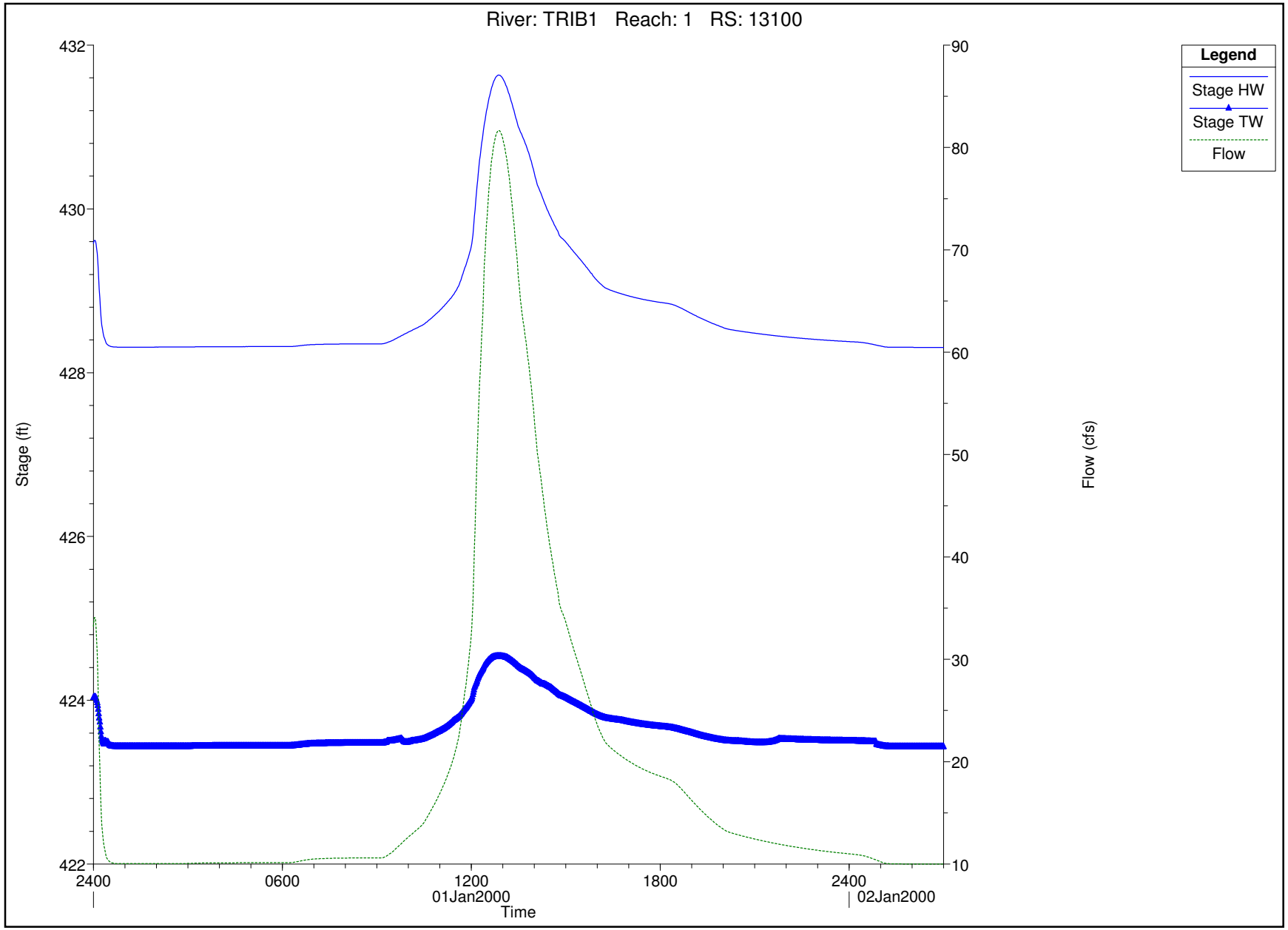
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	10654.7*	Max WS	861.33	294.25	298.86		299.36	0.007500	5.77	166.21	83.72	0.57
ALDER	2a	10608.41	Max WS	861.76	293.99	298.42		298.98	0.009576	6.17	159.48	97.17	0.63
ALDER	2a	10566.3*	Max WS	862.15	293.60	298.02		298.59	0.009518	6.35	160.56	90.40	0.63
ALDER	2a	10524.2*	Max WS	862.53	293.21	297.61		298.20	0.009739	6.61	158.67	83.36	0.65
ALDER	2a	10482.1*	Max WS	862.92	292.83	297.10		297.78	0.011406	7.24	147.83	74.50	0.70
ALDER	2a	10440	Max WS	863.30	292.44	296.31	296.37	297.36	0.019941	9.15	118.05	62.20	0.92
ALDER	2a	10391.6*	Max WS	863.29	291.00	295.44	295.39	296.54	0.016860	9.22	114.45	49.89	0.86
ALDER	2a	10343.3*	Max WS	863.28	289.56	295.02		295.82	0.009156	7.91	135.35	46.48	0.66
ALDER	2a	10295	Max WS	863.27	288.12	294.93	293.33	295.46	0.004649	6.61	166.79	45.30	0.49
ALDER	2a	10200		Bridge									
ALDER	2a	10103.5	Max WS	862.71	287.85	292.31		292.77	0.006583	5.62	173.21	72.38	0.54
ALDER	2a	10055.7*	Max WS	861.84	287.78	292.08		292.46	0.005910	5.17	186.85	81.45	0.51
ALDER	2a	10007.8*	Max WS	860.62	287.71	291.85		292.19	0.005467	4.82	199.19	91.02	0.48
ALDER	2a	9960	Max WS	821.67	287.64	291.65		291.92	0.004644	4.32	212.17	102.81	0.44
ALDER	2a	9915.*	Max WS	834.88	287.01	291.46		291.71	0.003797	4.20	223.73	100.37	0.41
ALDER	2a	9870.*	Max WS	854.10	286.38	291.31		291.54	0.003119	4.10	240.71	102.54	0.38
ALDER	2a	9825.*	Max WS	854.05	285.74	291.22		291.42	0.002294	3.79	274.98	115.91	0.33
ALDER	2a	9780	Max WS	854.02	285.11	291.18		291.32	0.001494	3.30	340.83	132.93	0.27
ALDER	2a	9732.5*	Max WS	851.63	285.27	291.09		291.25	0.001672	3.59	313.64	105.61	0.29
ALDER	2a	9685	Max WS	848.89	285.42	290.99		291.16	0.001874	3.90	292.46	88.73	0.31
ALDER	2a	9642.5	Max WS	848.86	285.67	290.91		291.08	0.001840	3.80	287.35	87.40	0.30
ALDER	2	9600.	Max WS	1505.83	285.33	289.98		290.79	0.009032	7.55	229.74	76.18	0.65
ALDER	2	9557.5*	Max WS	1505.82	284.74	289.60		290.42	0.008926	7.57	227.86	74.67	0.65
ALDER	2	9515.*	Max WS	1505.80	284.16	289.21		290.04	0.009065	7.63	225.04	73.75	0.66
ALDER	2	9472.5*	Max WS	1505.79	283.57	288.78		289.66	0.009683	7.81	219.73	73.77	0.68
ALDER	2	9430	Max WS	1505.77	282.99	288.27		289.24	0.011377	8.21	209.31	74.40	0.73
ALDER	2	9391.66*	Max WS	1508.23	282.38	287.79		288.80	0.011469	8.38	203.59	67.94	0.73
ALDER	2	9353.33*	Max WS	1510.69	281.77	287.39		288.38	0.010725	8.33	206.52	65.95	0.71
ALDER	2	9315	Max WS	1513.15	281.16	287.08		288.00	0.009359	8.09	216.18	66.12	0.67
ALDER	2	9271.25*	Max WS	1513.13	280.79	286.66		287.59	0.009785	8.10	216.09	69.70	0.68
ALDER	2	9227.5*	Max WS	1513.11	280.42	286.20		287.16	0.010655	8.21	214.08	74.73	0.71
ALDER	2	9183.75*	Max WS	1513.08	280.04	285.66		286.68	0.012327	8.47	210.83	84.05	0.75
ALDER	2	9140	Max WS	1512.86	279.67	285.33		286.14	0.010589	7.77	246.48	110.28	0.70
ALDER	2	9105.*	Max WS	1514.02	279.22	285.13		285.79	0.008067	7.05	274.67	117.75	0.61
ALDER	2	9070.*	Max WS	1515.17	278.76	285.02		285.52	0.005658	6.20	313.12	119.23	0.52
ALDER	2	9035	Max WS	1516.33	278.31	284.95		285.33	0.003901	5.42	357.87	120.56	0.44
ALDER	2	8996.25*	Max WS	1517.57	278.16	284.65		285.17	0.005172	6.23	296.34	92.55	0.50
ALDER	2	8957.5*	Max WS	1518.81	278.01	284.35		284.97	0.006168	6.80	270.31	81.99	0.55
ALDER	2	8918.75*	Max WS	1520.05	277.86	283.94		284.73	0.008138	7.67	240.46	74.82	0.63
ALDER	2	8880	Max WS	1521.29	277.71	283.13	283.05	284.45	0.015920	9.88	185.97	66.37	0.86
ALDER	2	8833.75*	Max WS	1522.75	277.36	282.40	282.27	283.74	0.016393	9.68	180.67	65.71	0.87
ALDER	2	8787.5*	Max WS	1524.21	277.01	281.74		282.95	0.015560	9.13	185.49	65.14	0.84
ALDER	2	8741.25*	Max WS	1525.67	276.66	281.11		282.21	0.015023	8.66	192.23	67.58	0.82
ALDER	2	8695	Max WS	1527.13	276.31	280.55		281.52	0.013984	8.15	202.62	71.60	0.79
ALDER	2	8645.*	Max WS	1528.83	275.29	279.79		280.83	0.014405	8.38	197.99	71.13	0.80
ALDER	2	8595.*	Max WS	1530.53	274.26	279.08		280.14	0.013966	8.46	198.03	72.56	0.79
ALDER	2	8545.*	Max WS	1532.23	273.23	278.54		279.49	0.011290	8.04	215.11	81.93	0.72
ALDER	2	8495	Max WS	1533.72	272.21	278.45		279.00	0.005554	6.35	296.11	100.27	0.52
ALDER	2	8450.*	Max WS	1535.23	271.92	277.96		278.73	0.007731	7.19	235.77	83.88	0.61
ALDER	2	8405.*	Max WS	1536.78	271.63	277.60		278.37	0.007862	7.11	228.05	71.22	0.61
ALDER	2	8360.*	Max WS	1537.48	271.35	277.33		278.03	0.007238	6.78	239.16	75.98	0.58
ALDER	2	8315.*	Max WS	1537.65	271.06	277.14		277.73	0.006068	6.25	263.64	81.77	0.53
ALDER	2	8270.*	Max WS	1539.21	270.77	277.01		277.48	0.004746	5.63	298.33	87.13	0.47
ALDER	2	8225	Max WS	1540.79	270.48	276.92		277.29	0.003615	5.03	344.43	101.35	0.42
ALDER	2	8179.28*	Max WS	1634.66	270.30	276.62		277.07	0.004473	5.57	330.91	100.65	0.46
ALDER	2	8133.57*	Max WS	1634.63	270.12	276.40		276.87	0.004590	5.69	326.78	101.77	0.47
ALDER	2	8087.85*	Max WS	1634.61	269.94	276.19		276.67	0.004645	5.78	324.91	102.20	0.47
ALDER	2	8042.14*	Max WS	1638.62	269.77	275.96		276.45	0.004690	5.86	322.31	97.87	0.48
ALDER	2	7996.42*	Max WS	1638.61	269.59	275.75		276.24	0.004719	5.94	319.36	94.34	0.48
ALDER	2	7950.71*	Max WS	1638.15	269.41	275.52		276.03	0.004771	6.03	317.76	93.82	0.48
ALDER	2	7905	Max WS	1638.09	269.23	275.42	273.95	275.83	0.003916	5.61	374.27	126.55	0.44
ALDER	2	7800		Bridge									
ALDER	2	7730	Max WS	1638.40	268.03	274.48		274.89	0.003880	5.59	369.25	123.00	0.44
ALDER	2	7683.33*	Max WS	1638.37	267.77	274.02		274.69	0.006027	6.77	275.24	88.15	0.55
ALDER	2	7636.66*	Max WS	1638.34	267.51	273.72		274.41	0.006037	6.81	265.56	77.25	0.55
ALDER	2	7590	Max WS	1638.31	267.25	273.52		274.15	0.005077	6.46	277.44	73.50	0.50
ALDER	2	7545.*	Max WS	1638.28	266.83	273.22		273.91	0.005625	6.73	260.20	65.44	0.53
ALDER	2	7500.*	Max WS	1638.25	266.41	272.94		273.65	0.005743	6.83	253.18	60.78	0.53
ALDER	2	7455.*	Max WS	1638.22	265.99	272.72		273.40	0.005304	6.70	255.65	57.82	0.51
ALDER	2	7410	Max WS	1638.18	265.57	272.56		273.18	0.004447	6.37	267.20	55.81	0.47
ALDER	2	7368.75*	Max WS	1639.79	265.50	272.26		272.98	0.005430	6.89	249.84	55.40	0.52
ALDER	2	7327.5*	Max WS	1641.39	265.43	271.91		272.74	0.006566	7.43	234.91	55.24	0.57
ALDER	2	7286.25*	Max WS	1642.99	265.36	271.54		272.47	0.007551	7.87	225.48	56.00	0.61
ALDER	2	7245	Max WS	1644.59	265.29	271.22		272.16	0.007707	8.02	228.34	59.67	0.62
ALDER	2	7205.*	Max WS	1645.91	264.89	270.80		271.86	0.009210	8.63	218.73	60.72	0.68
ALDER	2	7165.*	Max WS	1647.24	264.49	270.36		271.51	0.010474	9.13	214.26	62.43	0.72
ALDER	2	7125	Max WS	1648.56	264.09	270.04		271.13	0.009999	9.10	225.09	66.29	0.71
ALDER	2	7085.*	Max WS	1648.51	264.08	270.01		270.71	0.006437	7.10	273.85	80.63	0.57
ALDER	2	7045.*	Max WS	1648.46	264.08	269.93		270.45	0.004961	6.01	313.98	96.38	0.49
ALDER	2	7005.*	Max WS	1648.39	264.08	269.85		270.26	0.004210	5.31	352.63	120.81	0.45
ALDER	2	6965	Max WS	1648.30	264.07	269.78		270.09	0.003543	4.67	401.69	143.84	0.41

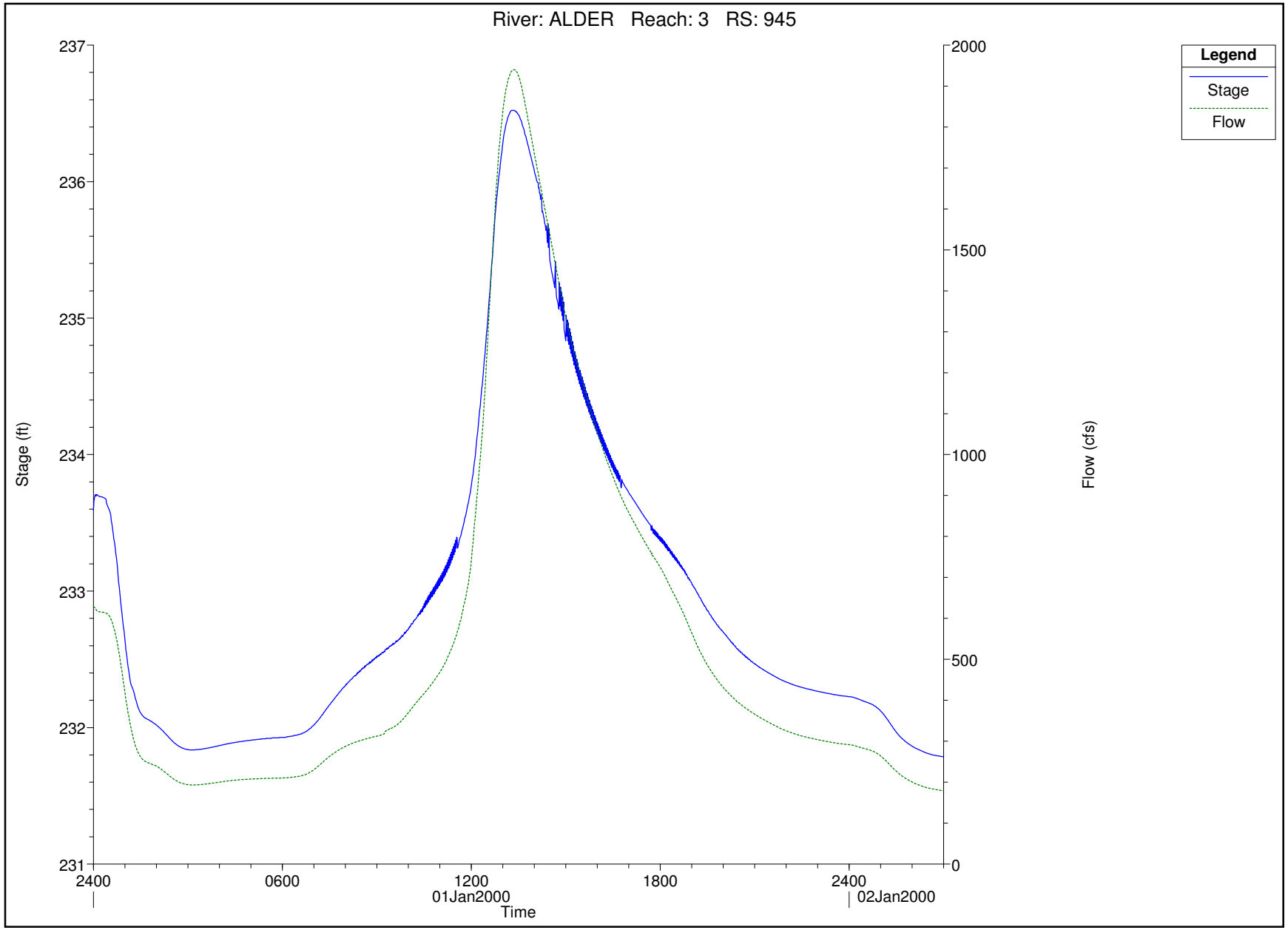
HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	6922.5*	Max WS	1674.90	263.59	269.55		269.93	0.004118	5.07	371.36	126.12	0.44
ALDER	2	6880.*	Max WS	1674.88	263.11	269.32		269.75	0.004597	5.40	349.03	124.12	0.47
ALDER	2	6837.5*	Max WS	1674.85	262.63	269.06		269.55	0.005133	5.75	326.36	115.33	0.49
ALDER	2	6795	Max WS	1674.83	262.15	268.76		269.33	0.005879	6.17	301.87	106.90	0.52
ALDER	2	6752.5*	Max WS	1678.94	261.76	268.28		269.04	0.007600	7.01	245.67	69.79	0.60
ALDER	2	6710.*	Max WS	1683.07	261.36	267.83		268.70	0.008729	7.54	232.39	66.38	0.64
ALDER	2	6667.5*	Max WS	1687.20	260.97	267.37		268.33	0.009773	8.01	229.35	74.29	0.68
ALDER	2	6625	Max WS	1691.32	260.58	267.43		267.96	0.005225	6.37	322.08	89.52	0.51
ALDER	2	6586.25*	Max WS	1710.11	260.38	267.16		267.75	0.005820	6.75	310.75	90.49	0.54
ALDER	2	6547.5*	Max WS	1709.48	260.18	266.87		267.53	0.006369	7.08	299.99	92.54	0.56
ALDER	2	6508.75*	Max WS	1709.46	259.98	266.57		267.29	0.006940	7.39	293.81	98.78	0.59
ALDER	2	6470	Max WS	1709.42	259.78	266.52	265.36	267.04	0.005106	6.54	353.57	119.32	0.51
ALDER	2	6400		Bridge									
ALDER	2	6320	Max WS	1706.58	258.60	266.19		266.49	0.002467	4.92	457.09	128.73	0.36
ALDER	2	6275.*	Max WS	1704.26	258.80	266.09		266.37	0.002309	4.75	454.70	119.61	0.35
ALDER	2	6230.*	Max WS	1704.24	259.00	266.01		266.27	0.002078	4.50	469.82	117.71	0.33
ALDER	2	6185	Max WS	1704.19	259.20	265.95		266.18	0.001859	4.24	491.32	119.13	0.31
ALDER	2	6145.*	Max WS	2437.50	258.97	264.80		265.81	0.009678	8.50	334.48	99.83	0.69
ALDER	2	6105.*	Max WS	2437.47	258.75	264.17		265.41	0.013878	9.50	304.73	104.72	0.81
ALDER	2	6065	Max WS	2437.44	258.52	263.65		264.85	0.015366	9.56	314.51	115.00	0.85
ALDER	2	6021.25*	Max WS	2442.88	258.33	263.33		264.19	0.011026	8.03	373.18	142.23	0.72
ALDER	2	5977.5*	Max WS	2442.81	258.14	263.16		263.75	0.007187	6.61	454.13	173.36	0.58
ALDER	2	5933.75*	Max WS	2442.71	257.96	263.06		263.46	0.004615	5.46	556.98	215.31	0.47
ALDER	2	5890	Max WS	2442.57	257.77	263.01		263.27	0.002826	4.43	708.51	277.59	0.37
ALDER	2	5841.50*	Max WS	2442.64	257.25	262.84		263.14	0.003033	4.75	661.08	251.49	0.39
ALDER	2	5793.01*	Max WS	2443.35	256.72	262.64		263.00	0.003430	5.19	605.89	226.35	0.41
ALDER	2	5744.51*	Max WS	2444.06	256.20	262.39		262.85	0.004148	5.83	542.43	201.40	0.46
ALDER	2	5696.02*	Max WS	2444.77	255.67	262.02		262.65	0.005772	6.88	460.79	174.83	0.54
ALDER	2	5647.53	Max WS	2445.47	255.15	261.32		262.38	0.010606	8.89	351.22	131.59	0.72
ALDER	2	5605.44*	Max WS	2446.08	255.15	261.11		261.90	0.008372	7.62	394.08	144.53	0.64
ALDER	2	5563.35*	Max WS	2446.68	255.15	260.94		261.56	0.006692	6.64	441.16	158.31	0.57
ALDER	2	5521.26*	Max WS	2447.27	255.15	260.79		261.28	0.005561	5.90	486.20	170.69	0.51
ALDER	2	5479.17*	Max WS	2447.84	255.15	260.65		261.05	0.004704	5.32	531.33	182.84	0.47
ALDER	2	5437.08*	Max WS	2448.40	255.15	260.53		260.86	0.004056	4.85	576.76	211.60	0.43
ALDER	2	5395	Max WS	2448.94	255.15	260.41		260.69	0.003546	4.46	620.49	237.27	0.40
ALDER	2	5351.42*	Max WS	2569.85	254.95	260.15		260.50	0.004502	5.04	588.75	221.80	0.46
ALDER	2	5307.85*	Max WS	2569.75	254.74	259.90		260.30	0.005133	5.42	561.05	220.09	0.49
ALDER	2	5264.28*	Max WS	2569.55	254.54	259.58		260.06	0.006390	6.01	527.84	223.36	0.54
ALDER	2	5220.71*	Max WS	2569.54	254.34	259.15		259.76	0.009097	6.98	485.81	228.96	0.64
ALDER	2	5177.14*	Max WS	2569.54	254.14	258.69		259.34	0.011268	7.53	481.76	243.51	0.71
ALDER	2	5133.57*	Max WS	2569.37	253.93	258.43		258.87	0.008615	6.62	553.72	241.75	0.62
ALDER	2	5090	Max WS	2569.28	253.73	258.29	257.01	258.54	0.005030	5.20	684.44	249.31	0.48
ALDER	2	5000		Bridge									
ALDER	2	4965	Max WS	2569.55	253.15	257.43		257.76	0.005418	5.00	609.59	243.86	0.49
ALDER	2	4922.5*	Max WS	2569.48	252.85	257.15		257.53	0.005928	5.36	585.70	239.82	0.51
ALDER	2	4880.*	Max WS	2569.90	252.55	256.80		257.26	0.007327	5.99	540.05	242.29	0.57
ALDER	2	4837.5*	Max WS	2234.07	252.26	256.32		256.79	0.007644	6.02	476.37	260.67	0.58
ALDER	2	4795	Max WS	2570.58	251.96	256.32		256.46	0.002865	3.96	998.32	453.17	0.36
ALDER	2	4758.33*	Max WS	2659.72	251.55	255.67		256.42	0.011548	7.60	442.67	336.46	0.72
ALDER	2	4721.66*	Max WS	2659.06	251.15	255.32		256.00	0.009994	7.17	458.39	253.53	0.67
ALDER	2	4685	Max WS	2659.42	250.74	255.16		255.66	0.006824	6.20	523.69	214.74	0.56
ALDER	2	4639.*	Max WS	2658.92	250.11	254.70		255.34	0.007713	6.73	468.22	211.22	0.60
ALDER	2	4593.*	Max WS	2659.58	249.48	254.50		255.01	0.005447	6.02	540.65	267.99	0.51
ALDER	2	4547.*	Max WS	2660.17	248.86	254.49		254.79	0.002891	4.76	713.65	303.83	0.38
ALDER	2	4501.*	Max WS	2660.76	248.23	254.49		254.66	0.001556	3.76	924.78	345.93	0.28
ALDER	2	4455	Max WS	2661.34	247.60	254.50		254.59	0.000755	2.81	1354.79	384.43	0.20
ALDER	2	4406.66*	Max WS	2668.39	247.58	254.35		254.56	0.001587	4.05	828.66	211.53	0.29
ALDER	2	4358.33*	Max WS	2668.24	247.55	254.09		254.47	0.002759	5.24	590.09	140.59	0.38
ALDER	2	4310	Max WS	2667.46	247.53	253.59		254.31	0.005351	6.95	412.60	92.25	0.53
ALDER	2	4271.25	Max WS	2667.43	246.65	253.37		254.12	0.005430	7.44	422.10	93.86	0.54
ALDER	3	4232.5	Max WS	2795.94	246.21	253.16		253.86	0.007076	8.91	448.13	95.59	0.62
ALDER	3	4193.75*	Max WS	2795.90	245.99	252.93		253.59	0.006705	8.49	458.95	96.97	0.59
ALDER	3	4155	Max WS	2795.85	245.77	252.72		253.33	0.006330	8.08	471.08	98.55	0.57
ALDER	3	4118.33*	Max WS	2795.02	245.51	252.45		253.11	0.006953	8.75	473.84	111.92	0.61
ALDER	3	4081.66*	Max WS	2795.23	245.25	252.15		252.87	0.007001	8.97	464.56	110.11	0.62
ALDER	3	4045	Max WS	2795.42	244.99	251.99		252.63	0.005708	8.33	493.88	110.83	0.56
ALDER	3	4002.5*	Max WS	2793.92	244.99	251.77		252.39	0.005641	8.10	509.57	123.08	0.56
ALDER	3	3960.*	Max WS	2794.14	244.99	251.54		252.16	0.005805	8.01	538.73	153.80	0.56
ALDER	3	3917.5*	Max WS	2794.29	244.99	251.50		251.90	0.004046	6.64	680.11	210.30	0.47
ALDER	3	3875	Max WS	2794.42	244.99	251.51		251.72	0.002100	4.78	885.60	227.11	0.34
ALDER	3	3827.5*	Max WS	2792.58	244.99	251.40		251.61	0.002288	4.90	861.17	228.76	0.35
ALDER	3	3780.*	Max WS	2792.86	244.99	251.28		251.50	0.002431	4.95	848.93	232.38	0.36
ALDER	3	3732.5*	Max WS	2793.10	244.99	251.18		251.39	0.002417	4.85	874.41	250.88	0.36
ALDER	3	3685	Max WS	2793.33	244.99	251.18		251.28	0.001198	3.40	1246.60	335.60	0.25
ALDER	3	3635.83*	Max WS	2793.55	244.75	251.08		251.22	0.001522	3.86	1054.76	282.97	0.28
ALDER	3	3586.66*	Max WS	2793.75	244.52	250.96		251.15	0.001752	4.15	936.81	251.45	0.31
ALDER	3	3537.5*	Max WS	2793.94	244.28	250.85		251.07	0.001842	4.28	863.69	230.42	0.31
ALDER	3	3488.33*	Max WS	2794.12	244.04	250.75		250.98	0.001770	4.22	827.36	215.35	0.31
ALDER	3	3439.16*	Max WS	2794.30	243.81	250.67		250.89	0.001579	4.02	821.18	203.72	0.29
ALDER	3	3390	Max WS	2794.48	243.57	250.62		250.82	0.001331	3.74	841.79	192.34	0.27
ALDER	3	3341.87*	Max WS	2809.94	243.61	250.55		250.75	0.001397	3.79	839.61	195.91	0.27

HEC-RAS Plan: DEV100YR10D Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	3293.75*	Max WS	2810.11	243.64	250.48		250.68	0.001420	3.78	843.72	195.91	0.28
ALDER	3	3245.62*	Max WS	2810.28	243.68	250.42		250.62	0.001427	3.76	851.99	196.94	0.28
ALDER	3	3197.5*	Max WS	2810.44	243.71	250.35		250.55	0.001411	3.72	866.27	199.16	0.27
ALDER	3	3149.37*	Max WS	2810.60	243.75	250.29		250.48	0.001371	3.65	887.84	202.72	0.27
ALDER	3	3101.25*	Max WS	2810.76	243.79	250.24		250.41	0.001297	3.54	919.53	207.01	0.26
ALDER	3	3053.12*	Max WS	2810.92	243.82	250.20		250.35	0.001196	3.40	964.21	213.97	0.25
ALDER	3	3005	Max WS	2811.08	243.86	250.16		250.30	0.001067	3.22	1033.93	229.14	0.24
ALDER	3	3000	Max WS	2819.36	243.86	250.15	247.01	250.29	0.001078	3.24	1032.30	229.09	0.24
ALDER	3	2900		Bridge									
ALDER	3	2850.	Max WS	2819.43	243.89	249.29		249.70	0.003524	5.28	587.12	150.16	0.42
ALDER	3	2800.*	Max WS	2819.72	243.90	248.97		249.50	0.004903	5.99	513.54	138.11	0.49
ALDER	3	2750	Max WS	2819.78	243.91	248.39		249.19	0.008539	7.30	415.79	124.53	0.64
ALDER	3	2704.*	Max WS	2838.28	243.45	247.94		248.77	0.009311	7.55	412.29	130.51	0.66
ALDER	3	2658.*	Max WS	2838.26	242.99	247.49		248.34	0.009824	7.68	415.52	139.71	0.68
ALDER	3	2612.*	Max WS	2838.22	242.53	247.12		247.90	0.009333	7.51	439.54	152.84	0.66
ALDER	3	2566.*	Max WS	2838.15	242.07	246.90		247.51	0.007195	6.79	505.70	170.79	0.59
ALDER	3	2520	Max WS	2838.06	241.61	246.80		247.22	0.004857	5.83	618.46	199.42	0.49
ALDER	3	2475.*	Max WS	2837.98	241.12	246.47		246.99	0.005893	6.46	562.59	198.07	0.54
ALDER	3	2430.*	Max WS	2837.55	240.63	246.15		246.73	0.006502	6.83	543.62	192.91	0.57
ALDER	3	2385.*	Max WS	2837.51	240.13	245.87		246.45	0.006540	6.95	544.93	192.09	0.57
ALDER	3	2340.*	Max WS	2837.46	239.64	245.61		246.17	0.006218	6.91	560.00	192.46	0.56
ALDER	3	2295	Max WS	2837.38	239.15	245.40		245.91	0.005618	6.73	588.21	194.57	0.53
ALDER	3	2245.*	Max WS	2837.29	239.15	245.25		245.64	0.003992	5.81	657.79	198.53	0.45
ALDER	3	2195.*	Max WS	2837.19	239.14	245.19		245.46	0.002498	4.77	778.70	208.20	0.36
ALDER	3	2145	Max WS	2837.08	239.14	245.18		245.34	0.001427	3.77	961.08	219.85	0.28
ALDER	3	2101.66*	Max WS	2880.35	239.14	245.05		245.27	0.002057	4.44	854.08	205.41	0.33
ALDER	3	2058.33*	Max WS	2880.25	239.14	244.88		245.17	0.003061	5.28	743.91	190.56	0.40
ALDER	3	2015	Max WS	2880.16	239.14	244.60		245.01	0.005167	6.60	620.73	173.54	0.51
ALDER	3	1969.*	Max WS	2880.86	238.77	244.31		244.78	0.005603	6.78	596.47	176.30	0.53
ALDER	3	1923.*	Max WS	2881.84	238.39	244.00		244.52	0.006007	6.91	572.94	177.66	0.55
ALDER	3	1877.*	Max WS	2882.80	238.02	243.67		244.25	0.006413	7.00	549.61	178.35	0.57
ALDER	3	1831.*	Max WS	2883.74	237.64	243.31		243.95	0.006982	7.13	523.42	180.68	0.59
ALDER	3	1785	Max WS	2883.90	237.27	242.90		243.63	0.007936	7.35	487.43	182.27	0.62
ALDER	3	1740.*	Max WS	2884.80	236.84	242.65		243.29	0.007061	6.92	522.88	198.45	0.58
ALDER	3	1695.*	Max WS	2885.65	236.41	242.45		242.99	0.005857	6.39	571.71	212.70	0.53
ALDER	3	1650.*	Max WS	2886.47	235.98	242.30		242.74	0.004590	5.79	635.42	227.28	0.48
ALDER	3	1605.*	Max WS	2886.21	235.55	242.20		242.55	0.003455	5.19	714.06	242.88	0.42
ALDER	3	1560	Max WS	2887.14	235.12	242.13		242.41	0.002532	4.62	808.32	259.94	0.36
ALDER	3	1511.42*	Max WS	2888.15	235.01	241.95		242.29	0.002929	5.02	731.99	233.72	0.39
ALDER	3	1462.85*	Max WS	2889.15	234.90	241.75		242.15	0.003404	5.46	665.39	212.57	0.42
ALDER	3	1414.28*	Max WS	2890.14	234.79	241.53		241.98	0.003813	5.81	611.66	179.67	0.44
ALDER	3	1365.71*	Max WS	2891.13	234.69	241.29		241.79	0.004170	6.11	574.03	155.11	0.47
ALDER	3	1317.14*	Max WS	2892.13	234.58	241.03		241.59	0.004636	6.46	540.59	139.14	0.49
ALDER	3	1268.57*	Max WS	2893.12	234.47	240.74		241.36	0.005274	6.88	506.87	126.69	0.52
ALDER	3	1220	Max WS	2894.12	234.36	240.38		241.10	0.006266	7.44	468.86	115.54	0.57
ALDER	3	1175.*	Max WS	2926.60	233.55	240.10		240.81	0.005529	7.32	480.21	114.58	0.54
ALDER	3	1130.*	Max WS	2926.55	232.73	239.92		240.57	0.004461	6.94	508.71	119.14	0.49
ALDER	3	1085	Max WS	2926.50	231.92	239.82		240.39	0.003426	6.43	551.17	136.24	0.44
ALDER	3	1057.5*	Max WS	2926.47	231.36	239.51		240.23	0.006837	6.83	428.71	95.44	0.57
ALDER	3	1030	Max WS	2926.45	230.81	239.51	236.47	240.08	0.004039	6.07	482.34	84.74	0.45
ALDER	3	1000		Bridge									
ALDER	3	945	Max WS	2926.45	229.78	239.59		239.86	0.001980	4.16	703.64	132.28	0.32
ALDER	3	910.*	Max WS	2926.37	229.89	239.57		239.79	0.001350	3.79	771.81	124.71	0.27
ALDER	3	875	Max WS	2926.29	230.00	239.57	234.48	239.75	0.001000	3.35	873.20	135.27	0.23


River: TRIB1 Reach: 1 RS: 13100
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
432
430
428
426
424
422
90
80
70
60
50
40
30
20
10
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
237
236
235
234
233
232
231
2000
1500
1000
500
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: DEV10YR24HR Profile: Max WS

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	Max WS	105.44	267.93	268.56		268.66	0.015789	2.58	40.79	75.25	0.62
TRIB4	1	2123.33*	Max WS	105.44	267.25	268.19		268.32	0.017338	2.84	37.07	63.54	0.66
TRIB4	1	2086.66*	Max WS	105.43	266.58	267.49	267.55	267.84	0.056350	4.77	22.08	42.12	1.16
TRIB4	1	2050	Max WS	105.43	265.90	266.71	266.78	267.01	0.081036	4.37	24.15	69.15	1.30
TRIB4	1	2010.*	Max WS	105.70	265.02	265.98	266.06	266.31	0.081321	4.63	22.84	60.05	1.32
TRIB4	1	1970.*	Max WS	105.96	264.15	265.41		265.57	0.029004	3.28	32.29	65.54	0.82
TRIB4	1	1930.*	Max WS	106.22	263.27	264.71		264.87	0.025059	3.16	33.63	64.74	0.77
TRIB4	1	1890	Max WS	106.48	262.40	263.95		264.10	0.021267	3.10	34.36	60.04	0.72
TRIB4	1	1848.*	Max WS	106.76	261.50	263.15		263.35	0.029312	3.58	29.79	53.23	0.84
TRIB4	1	1806.*	Max WS	107.03	260.59	262.24		262.48	0.035028	3.96	27.03	47.44	0.92
TRIB4	1	1764.*	Max WS	107.30	259.69	261.38		261.61	0.031729	3.90	27.48	45.65	0.89
TRIB4	1	1722.*	Max WS	107.57	258.78	260.41	260.38	260.71	0.036760	4.40	24.46	37.84	0.96
TRIB4	1	1680	Max WS	107.85	257.88	259.86		259.98	0.010065	2.82	38.21	43.31	0.53
TRIB4	1	1630.*	Max WS	107.85	257.07	259.12		259.44	0.021300	4.52	23.88	23.53	0.79
TRIB4	1	1580.*	Max WS	107.85	256.25	257.87	257.90	258.30	0.042084	5.24	20.60	27.24	1.06
TRIB4	1	1530	Max WS	107.85	255.44	256.96		257.05	0.007208	2.38	45.34	52.29	0.45
TRIB4	1	1492.39*	Max WS	107.85	254.70	256.72		256.82	0.007214	2.49	43.39	46.87	0.46
TRIB4	1	1454.79*	Max WS	107.85	253.97	256.61		256.67	0.002941	1.85	58.41	50.28	0.30
TRIB4	1	1417.19	Max WS	108.03	253.23	256.44		256.58	0.002352	2.96	36.51	51.76	0.31
TRIB4	1	1300		Culvert									
TRIB4	1	1155	Max WS	105.97	248.82	252.59		252.67	0.000844	2.17	48.79	61.01	0.20
TRIB4	1	1127.5*	Max WS	105.96	248.82	252.63		252.63	0.000075	0.56	189.14	61.12	0.06
TRIB4	1	1100	Max WS	105.95	248.82	252.62		252.63	0.000075	0.56	189.02	61.12	0.06
TRIB3	1	3003.87	Max WS	203.73	339.76	340.82		341.06	0.022974	4.53	54.44	87.28	0.82
TRIB3	1	2960.91*	Max WS	203.72	338.87	340.04	340.02	340.33	0.024414	4.87	50.48	80.82	0.85
TRIB3	1	2917.95*	Max WS	203.71	337.98	339.20		339.50	0.024678	4.88	48.32	69.10	0.86
TRIB3	1	2875	Max WS	202.44	337.09	338.59		338.76	0.011684	3.78	63.08	77.24	0.61
TRIB3	1	2830.83*	Max WS	136.67	336.41	338.29		338.34	0.002366	2.06	80.79	79.41	0.29
TRIB3	1	2786.66*	Max WS	166.07	335.72	338.26		338.29	0.000956	1.64	126.91	92.87	0.19
TRIB3	1	2742.5*	Max WS	195.43	335.04	338.25		338.27	0.000457	1.35	184.19	105.61	0.14
TRIB3	1	2698.33*	Max WS	225.75	334.36	338.25		338.26	0.000254	1.16	250.22	117.50	0.11
TRIB3	1	2654.16*	Max WS	261.94	333.67	338.24		338.25	0.000166	1.04	325.98	131.74	0.09
TRIB3	1	2610	Max WS	288.99	332.99	337.97		338.36	0.003250	5.02	57.62	137.98	0.40
TRIB3	1	2500		Culvert									
TRIB3	1	2465.	Max WS	288.99	330.68	333.21	333.43	334.71	0.034319	9.85	29.35	70.01	1.15
TRIB3	1	2416.66*	Max WS	290.80	329.91	332.01		332.45	0.019461	5.84	57.83	54.90	0.82
TRIB3	1	2368.33*	Max WS	285.19	329.14	331.31		331.72	0.017291	5.58	58.91	54.40	0.77
TRIB3	1	2320	Max WS	289.38	328.37	330.57		331.01	0.018730	5.75	57.42	53.32	0.80
TRIB3	1	2272.14*	Max WS	292.68	327.46	330.18		330.41	0.006613	4.21	82.97	59.02	0.50
TRIB3	1	2224.29*	Max WS	295.03	326.54	330.09		330.19	0.002013	2.91	127.50	69.51	0.29
TRIB3	1	2176.44*	Max WS	296.38	325.63	330.07		330.11	0.000783	2.17	190.06	92.74	0.19
TRIB3	1	2128.58*	Max WS	297.22	324.71	330.06		330.08	0.000330	1.63	271.35	112.91	0.13
TRIB3	1	2080.73*	Max WS	297.96	323.80	330.06		330.07	0.000152	1.24	376.59	136.22	0.09
TRIB3	1	2032.88*	Max WS	298.62	322.88	330.06		330.06	0.000073	0.95	478.15	135.55	0.06
TRIB3	1	1985.03	Max WS	299.20	321.97	330.06		330.06	0.000045	0.81	559.20	131.62	0.05
TRIB3	1	1943.02*	Max WS	299.67	321.74	330.05		330.06	0.000039	0.78	579.45	130.81	0.05
TRIB3	1	1901.01*	Max WS	300.16	321.51	330.05		330.06	0.000034	0.74	606.66	133.09	0.05
TRIB3	1	1859.01*	Max WS	300.67	321.27	330.05		330.06	0.000029	0.70	644.60	137.17	0.04
TRIB3	1	1817.00*	Max WS	301.18	321.04	330.05		330.06	0.000024	0.64	695.76	143.73	0.04
TRIB3	1	1775	Max WS	301.73	320.81	330.05		330.05	0.000020	0.59	776.59	164.16	0.03
TRIB3	1	1731.25*	Max WS	302.36	320.51	330.05		330.05	0.000017	0.56	819.98	167.38	0.03
TRIB3	1	1687.5*	Max WS	303.03	320.21	330.05		330.05	0.000015	0.53	870.03	171.22	0.03
TRIB3	1	1643.75*	Max WS	303.69	319.90	330.05		330.05	0.000012	0.50	925.73	175.67	0.03
TRIB3	1	1600	Max WS	301.00	319.60	330.01		330.09	0.000252	2.31	131.95	179.83	0.13
TRIB3	1	1500		Culvert									
TRIB3	1	1370	Max WS	301.00	316.30	318.62	319.15	320.64	0.051573	11.52	26.59	72.20	1.40
TRIB3	1	1325.*	Max WS	300.55	315.33	317.05		317.43	0.023017	5.89	64.25	67.57	0.87
TRIB3	1	1280.*	Max WS	300.36	314.36	316.16	316.16	316.59	0.025210	6.13	62.84	71.78	0.91
TRIB3	1	1235.*	Max WS	302.88	313.39	315.28	315.34	315.76	0.026786	6.32	61.72	75.64	0.94
TRIB3	1	1190.*	Max WS	309.25	312.42	314.41	314.52	314.95	0.028091	6.50	60.59	78.67	0.96
TRIB3	1	1145.*	Max WS	313.77	311.45	313.58	313.65	314.09	0.024355	6.18	63.01	79.95	0.90
TRIB3	1	1100	Max WS	315.28	310.48	313.10		313.32	0.007954	4.15	97.24	97.66	0.54
TRIB3	1	1053.*	Max WS	316.23	310.03	312.70		312.97	0.009195	4.50	85.86	80.47	0.58
TRIB3	1	1006.*	Max WS	316.76	309.59	312.27		312.57	0.010143	4.71	80.74	74.97	0.61
TRIB3	1	959.*	Max WS	316.74	309.14	311.80		312.12	0.011187	4.87	78.51	76.44	0.64
TRIB3	1	912.*	Max WS	316.80	308.70	311.34		311.64	0.011024	4.76	81.12	77.14	0.63
TRIB3	1	865	Max WS	317.77	308.25	310.62	310.60	311.04	0.019769	5.65	67.81	72.92	0.82
TRIB3	1	815.*	Max WS	318.22	307.37	309.75	309.74	310.18	0.019117	5.75	67.92	72.03	0.81
TRIB3	1	765.*	Max WS	318.43	306.49	308.91		309.34	0.017916	5.78	68.96	71.32	0.79
TRIB3	1	715.*	Max WS	318.42	305.60	308.02	307.88	308.49	0.019227	6.10	66.50	69.95	0.82
TRIB3	1	665.*	Max WS	318.31	304.72	307.12	307.03	307.59	0.019218	6.17	63.28	61.18	0.82
TRIB3	1	615.*	Max WS	318.22	303.84	306.21	306.15	306.70	0.019947	6.34	61.85	64.56	0.84
TRIB3	1	565	Max WS	320.61	302.96	305.22	305.24	305.77	0.024967	6.90	58.80	59.91	0.93
TRIB3	1	517.5*	Max WS	425.39	301.49	304.34	304.59	305.36	0.029781	9.10	59.93	49.11	1.07
TRIB3	1	470.*	Max WS	426.12	300.02	303.04	303.37	304.19	0.031546	9.73	58.03	47.02	1.11
TRIB3	1	422.5*	Max WS	426.84	298.54	301.66	301.99	302.83	0.033222	10.06	57.16	43.93	1.13
TRIB3	1	375	Max WS	427.57	297.07	300.17	300.50	301.39	0.038984	10.56	54.75	41.06	1.20
TRIB3	1	325.*	Max WS	427.56	295.34	298.48	298.82	299.76	0.038170	10.78	53.24	38.04	1.21
TRIB3	1	275.*	Max WS	427.56	293.61	296.77	297.14	298.13	0.037964	11.04	51.63	35.34	1.21
TRIB3	1	225.*	Max WS	427.56	291.89	295.06	295.46	296.48	0.037425	11.23	50.47	33.17	1.22
TRIB3	1	175	Max WS	427.56	290.16	293.72	293.73	294.61	0.019690	9.08	63.64	36.03	0.91

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2B	1	2946.25	Max WS	108.48	470.79	471.70	471.72	471.95	0.031755	4.38	28.21	64.21	1.05
TRIB2B	1	2903.43*	Max WS	108.05	469.43	470.44	470.49	470.75	0.029658	4.81	26.66	58.41	1.05
TRIB2B	1	2860.62*	Max WS	107.81	468.07	469.19	469.30	469.61	0.031311	5.54	23.76	51.46	1.11
TRIB2B	1	2817.81*	Max WS	107.59	466.70	468.04	468.16	468.50	0.026153	5.95	23.57	45.91	1.05
TRIB2B	1	2775	Max WS	107.51	465.34	466.93	467.15	467.50	0.029060	7.15	22.34	41.26	1.13
TRIB2B	1	2733.75*	Max WS	107.65	464.10	465.78	465.94	466.45	0.028515	7.18	19.17	27.51	1.13
TRIB2B	1	2692.5*	Max WS	107.20	462.86	464.62	464.80	465.33	0.028396	7.05	17.74	23.15	1.13
TRIB2B	1	2651.25*	Max WS	106.69	461.63	463.43	463.60	464.15	0.030037	6.96	16.62	20.27	1.15
TRIB2B	1	2610	Max WS	106.02	460.39	462.29	462.37	462.92	0.026438	6.43	17.16	19.11	1.07
TRIB2B	1	2565.*	Max WS	105.65	459.32	461.13	461.21	461.73	0.025905	6.28	17.56	20.17	1.06
TRIB2B	1	2520.*	Max WS	105.63	458.24	459.97	460.06	460.56	0.025998	6.19	17.87	21.19	1.06
TRIB2B	1	2475.*	Max WS	105.57	457.17	458.83	458.90	459.39	0.025558	6.06	18.37	22.57	1.05
TRIB2B	1	2430.*	Max WS	105.50	456.09	457.66	457.75	458.23	0.027440	6.09	18.31	23.70	1.08
TRIB2B	1	2385.*	Max WS	105.37	455.02	456.59	456.61	457.05	0.021199	5.52	20.64	26.65	0.95
TRIB2B	1	2340	Max WS	105.24	453.94	455.30	455.47	455.94	0.038038	6.52	17.17	26.01	1.24
TRIB2B	1	2291.87*	Max WS	105.14	452.05	453.56	453.72	454.23	0.036370	6.61	16.49	22.05	1.22
TRIB2B	1	2243.75*	Max WS	105.05	450.16	451.80	451.98	452.53	0.037631	6.86	15.64	19.18	1.24
TRIB2B	1	2195.63*	Max WS	105.10	448.26	450.08	450.22	450.80	0.034284	6.84	15.58	17.35	1.20
TRIB2B	1	2147.51*	Max WS	105.62	446.37	448.27	448.49	449.14	0.041563	7.46	14.24	15.04	1.31
TRIB2B	1	2099.39	Max WS	106.14	444.48	446.72	446.76	447.38	0.024097	6.50	16.55	15.00	1.02
TRIB2B	1	2049.51*	Max WS	106.13	443.44	445.53	445.56	446.14	0.024172	6.31	17.08	16.54	1.02
TRIB2B	1	1999.63*	Max WS	106.12	442.39	444.35	444.37	444.92	0.023235	6.05	17.90	18.49	1.00
TRIB2B	1	1949.75*	Max WS	106.07	441.35	443.14	443.19	443.71	0.026080	6.09	17.83	20.30	1.05
TRIB2B	1	1899.87*	Max WS	105.48	440.30	442.18		442.51	0.012440	4.68	24.48	29.44	0.75
TRIB2B	1	1850	Max WS	105.40	439.26	442.01		442.05	0.000713	1.65	84.75	64.45	0.20
TRIB2B	1	1812.95*	Max WS	105.29	438.45	442.01		442.03	0.000228	1.17	121.07	63.26	0.12
TRIB2B	1	1775.91	Max WS	106.46	437.64	441.90		442.04	0.001146	3.12	34.94	65.30	0.28
TRIB2B	1	1500		Culvert									
TRIB2B	1	1492.23	Max WS	106.41	432.00	434.22	434.22	435.03	0.020319	7.20	14.78	18.77	0.99
TRIB2B	1	1444.15*	Max WS	106.45	431.20	433.33		433.75	0.017799	5.25	20.34	19.40	0.88
TRIB2B	1	1396.08*	Max WS	108.93	430.40	432.46		432.87	0.018512	5.14	21.20	20.51	0.89
TRIB2B	1	1348.00*	Max WS	108.91	429.59	431.58		431.97	0.018490	5.00	21.76	21.70	0.88
TRIB2B	1	1299.93	Max WS	108.89	428.79	430.73		431.09	0.017884	4.84	22.49	23.03	0.86
TRIB2B	1	1249.93*	Max WS	108.87	427.92	429.87		430.22	0.016955	4.75	22.94	23.26	0.84
TRIB2B	1	1199.93*	Max WS	108.87	427.04	428.96		429.34	0.018755	4.93	22.09	22.81	0.88
TRIB2B	1	1149.93*	Max WS	108.86	426.17	428.19		428.50	0.014114	4.43	24.60	24.13	0.77
TRIB2B	1	1099.93	Max WS	108.82	425.29	427.97		428.03	0.001947	2.25	60.07	65.79	0.31
TRIB2	1	8691.55	Max WS	37.01	486.56	487.10	487.20	487.43	0.079743	4.59	8.07	27.88	1.50
TRIB2	1	8665.77*	Max WS	37.01	485.14	485.78	485.93	486.22	0.088322	5.30	6.98	20.91	1.62
TRIB2	1	8640	Max WS	37.01	483.72	484.83	484.84	485.15	0.031356	4.59	8.10	14.56	1.05
TRIB2	1	8593.75*	Max WS	37.13	482.59	483.59	483.62	483.92	0.035533	4.63	8.03	15.03	1.11
TRIB2	1	8547.5*	Max WS	37.25	481.46	482.31	482.41	482.71	0.050386	5.08	7.34	15.30	1.29
TRIB2	1	8501.25*	Max WS	37.36	480.32	481.47		481.58	0.006951	2.66	14.34	20.12	0.52
TRIB2	1	8455	Max WS	37.49	479.19	479.79	479.97	480.37	0.100504	6.12	6.12	16.24	1.76
TRIB2	1	8409.*	Max WS	37.59	476.28	476.96	477.18	477.64	0.107698	6.61	5.68	14.14	1.84
TRIB2	1	8363.*	Max WS	37.68	473.37	474.10	474.39	475.06	0.151350	7.85	4.80	11.87	2.18
TRIB2	1	8317.*	Max WS	37.78	470.45	471.33	471.62	472.25	0.118861	7.69	4.92	10.41	1.97
TRIB2	1	8271.*	Max WS	37.88	467.54	468.49	468.86	469.80	0.164167	9.19	4.12	8.43	2.32
TRIB2	1	8225	Max WS	37.97	464.63	466.02	466.17	466.59	0.044006	6.05	6.37	10.72	1.26
TRIB2	1	8182.5*	Max WS	38.09	463.19	464.44	464.61	465.05	0.051852	6.26	6.09	9.21	1.36
TRIB2	1	8140.*	Max WS	38.20	461.75	462.89	463.08	463.53	0.058619	6.43	5.94	9.51	1.43
TRIB2	1	8097.5*	Max WS	38.31	460.32	461.36	461.57	462.06	0.068652	6.72	5.70	9.68	1.54
TRIB2	1	8055.*	Max WS	38.42	458.88	459.88	460.07	460.52	0.062532	6.40	6.01	10.25	1.47
TRIB2	1	8012.5*	Max WS	38.53	457.44	458.33	458.58	459.11	0.085198	7.08	5.44	10.09	1.70
TRIB2	1	7970	Max WS	38.64	456.00	457.02	457.10	457.45	0.040215	5.30	7.29	11.88	1.19
TRIB2	1	7925.02*	Max WS	38.76	455.00	456.03	456.11	456.45	0.039337	5.18	7.48	12.46	1.18
TRIB2	1	7880.04*	Max WS	38.88	454.00	455.05	455.11	455.45	0.038786	5.08	7.66	13.03	1.17
TRIB2	1	7835.06*	Max WS	39.00	453.00	454.07	454.12	454.44	0.035759	4.85	8.05	13.83	1.12
TRIB2	1	7790.08*	Max WS	39.12	452.00	453.06	453.13	453.44	0.039046	4.93	7.93	14.21	1.16
TRIB2	1	7745.10*	Max WS	39.24	451.00	452.19		452.43	0.022853	3.96	9.91	16.53	0.90
TRIB2	1	7700.13	Max WS	39.36	450.00	450.96	451.13	451.52	0.071766	6.04	6.52	13.62	1.54
TRIB2	1	7653.10*	Max WS	39.48	448.22	449.23	449.40	449.79	0.067413	6.02	6.55	13.10	1.50
TRIB2	1	7606.07*	Max WS	39.61	446.44	447.49	447.68	448.09	0.067735	6.20	6.39	12.24	1.51
TRIB2	1	7559.05*	Max WS	39.73	444.65	445.85	445.96	446.33	0.046450	5.54	7.18	12.20	1.27
TRIB2	1	7512.02*	Max WS	39.86	442.87	444.07	444.28	444.74	0.066498	6.59	6.05	10.30	1.51
TRIB2	1	7465	Max WS	39.98	441.09	442.71		443.01	0.019611	4.35	9.19	11.55	0.86
TRIB2	1	7421.*	Max WS	40.10	440.56	442.10		442.36	0.018112	4.14	9.70	12.89	0.83
TRIB2	1	7377.*	Max WS	40.22	440.04	441.49		441.73	0.016181	3.93	10.31	14.49	0.79
TRIB2	1	7333.*	Max WS	40.34	439.51	440.86		441.09	0.016012	3.84	10.68	16.42	0.78
TRIB2	1	7289.*	Max WS	40.46	438.99	440.29		440.47	0.012034	3.45	12.38	20.26	0.69
TRIB2	1	7245	Max WS	40.57	438.46	439.35	439.51	439.87	0.069787	5.80	7.03	16.01	1.51
TRIB2	1	7203.65*	Max WS	40.68	437.10	438.07	438.19	438.54	0.055005	5.52	7.43	15.44	1.36
TRIB2	1	7162.30*	Max WS	40.79	435.73	436.77	436.89	437.25	0.052927	5.59	7.36	14.64	1.35
TRIB2	1	7120.95*	Max WS	40.90	434.36	435.62	435.60	435.93	0.024289	4.53	9.30	15.22	0.95
TRIB2	1	7079.61	Max WS	41.01	433.00	435.10	434.32	435.17	0.001925	2.10	22.57	20.84	0.30
TRIB2	1	7000		Bridge									
TRIB2	1	6895.13	Max WS	41.01	430.00	431.31		431.58	0.020364	4.21	9.74	13.48	0.87
TRIB2	1	6849.62*	Max WS	41.01	429.23	430.55		430.82	0.020844	4.24	9.67	13.46	0.88
TRIB2	1	6804.11*	Max WS	41.01	428.45	429.79		430.07	0.020878	4.25	9.65	13.41	0.88
TRIB2	1	6758.6*	Max WS	41.01	427.68	429.02		429.31	0.021511	4.30	9.54	13.32	0.90
TRIB2	1	6713.09*	Max WS	41.01	426.91	428.27		428.55	0.021670	4.31	9.52	13.32	0.90

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	6667.58*	Max WS	40.95	426.14	427.50		427.80	0.022814	4.39	9.33	13.19	0.92
TRIB2	1	6622.07*	Max WS	40.06	425.36	426.82		427.05	0.015092	3.84	10.47	13.86	0.76
TRIB2	1	6576.56	Max WS	40.05	424.59	426.62		426.70	0.002463	2.23	19.42	19.33	0.34
TRIB2	2	6527.5	Max WS	148.87	423.76	425.99	426.04	426.64	0.024778	6.47	23.22	21.83	1.04
TRIB2	2	6487.58*	Max WS	148.86	422.93	425.01	425.05	425.63	0.024477	6.31	23.75	22.59	1.03
TRIB2	2	6447.66*	Max WS	148.85	422.10	424.05	424.07	424.64	0.024247	6.17	24.26	23.96	1.03
TRIB2	2	6407.74*	Max WS	148.84	421.27	423.09	423.10	423.65	0.023731	6.01	24.92	25.70	1.01
TRIB2	2	6367.83	Max WS	148.84	420.44	422.39		422.73	0.011311	4.69	33.43	34.92	0.72
TRIB2	2	6321.26*	Max WS	149.04	419.79	421.87		422.21	0.011205	4.67	33.07	34.45	0.72
TRIB2	2	6274.69*	Max WS	149.24	419.14	421.35		421.68	0.011189	4.65	32.60	32.72	0.72
TRIB2	2	6228.13*	Max WS	149.43	418.50	420.82		421.16	0.011375	4.66	32.10	26.45	0.72
TRIB2	2	6181.56*	Max WS	149.62	417.85	420.31		420.64	0.010902	4.63	32.30	24.21	0.71
TRIB2	2	6135	Max WS	149.82	417.20	419.58		420.04	0.015985	5.39	27.80	22.04	0.85
TRIB2	2	6087.5*	Max WS	150.01	416.43	418.83		419.28	0.015984	5.38	27.88	22.17	0.85
TRIB2	2	6040.*	Max WS	150.21	415.66	418.06		418.51	0.016072	5.38	27.91	22.31	0.85
TRIB2	2	5992.5*	Max WS	150.42	414.89	417.30		417.75	0.016170	5.38	27.96	22.48	0.85
TRIB2	2	5945.*	Max WS	150.63	414.12	416.52		416.98	0.016327	5.39	27.94	23.06	0.85
TRIB2	2	5897.5*	Max WS	150.83	413.36	415.74		416.20	0.016405	5.44	27.86	24.45	0.86
TRIB2	2	5850.*	Max WS	151.04	412.59	414.95	414.83	415.43	0.016710	5.52	27.76	26.51	0.87
TRIB2	2	5802.5*	Max WS	151.24	411.82	414.15	414.07	414.64	0.017454	5.65	27.55	28.39	0.89
TRIB2	2	5755	Max WS	151.43	411.05	413.35	413.42	413.79	0.016184	5.48	34.22	71.16	0.85
TRIB2	2	5708.12*	Max WS	151.60	410.28	412.59	412.68	413.05	0.016314	5.53	33.33	71.12	0.86
TRIB2	2	5661.25*	Max WS	151.79	409.51	411.83	411.95	412.30	0.016748	5.61	32.36	71.22	0.87
TRIB2	2	5614.37*	Max WS	151.98	408.74	411.07	411.17	411.55	0.017071	5.67	31.97	71.36	0.88
TRIB2	2	5567.5*	Max WS	152.17	407.97	410.30	410.41	410.78	0.017450	5.71	32.06	69.09	0.89
TRIB2	2	5520.62*	Max WS	152.35	407.20	409.51	409.62	410.00	0.018176	5.76	31.72	55.26	0.90
TRIB2	2	5473.75*	Max WS	152.52	406.43	408.72	408.77	409.20	0.018786	5.79	31.88	49.48	0.92
TRIB2	2	5426.87*	Max WS	152.70	405.66	407.95	407.99	408.41	0.018073	5.68	32.98	47.09	0.90
TRIB2	2	5380	Max WS	152.90	404.89	407.26	407.18	407.62	0.013667	5.13	37.70	49.06	0.79
TRIB2	2	5330.38*	Max WS	153.10	404.21	406.59	406.53	407.00	0.014142	5.32	34.08	45.80	0.81
TRIB2	2	5280.76*	Max WS	153.29	403.53	405.87	405.79	406.34	0.015088	5.50	30.18	39.54	0.83
TRIB2	2	5231.15*	Max WS	153.49	402.85	405.13	405.02	405.61	0.015759	5.56	28.83	27.80	0.85
TRIB2	2	5181.53*	Max WS	153.68	402.17	404.40	404.30	404.87	0.016252	5.57	28.71	27.80	0.86
TRIB2	2	5131.92*	Max WS	153.87	401.49	403.66	403.57	404.14	0.016428	5.56	28.78	27.95	0.86
TRIB2	2	5082.30*	Max WS	154.07	400.81	402.93	402.84	403.41	0.016633	5.55	28.86	28.17	0.87
TRIB2	2	5032.69*	Max WS	154.28	400.12	402.21	402.11	402.67	0.016594	5.51	29.05	28.56	0.87
TRIB2	2	4983.07*	Max WS	154.48	399.44	401.48	401.38	401.94	0.016654	5.48	29.23	28.95	0.87
TRIB2	2	4933.46*	Max WS	154.68	398.76	400.76	400.66	401.21	0.016446	5.43	29.55	29.32	0.86
TRIB2	2	4883.84*	Max WS	154.88	398.08	400.04	399.93	400.48	0.016268	5.38	29.88	29.95	0.86
TRIB2	2	4834.23*	Max WS	155.08	397.40	399.32		399.75	0.015984	5.32	30.28	30.68	0.85
TRIB2	2	4784.61*	Max WS	155.27	396.72	398.60		399.02	0.015518	5.24	30.81	31.73	0.84
TRIB2	2	4735	Max WS	155.46	396.04	397.86	397.75	398.29	0.016052	5.27	30.67	32.22	0.85
TRIB2	2	4689.09*	Max WS	155.64	395.31	397.16		397.58	0.015727	5.24	30.91	31.85	0.84
TRIB2	2	4643.18*	Max WS	155.81	394.58	396.44		396.87	0.015791	5.25	30.87	32.02	0.84
TRIB2	2	4597.27*	Max WS	156.00	393.85	395.72	395.62	396.15	0.016162	5.30	30.64	31.91	0.85
TRIB2	2	4551.36*	Max WS	156.18	393.12	394.99	394.90	395.44	0.016829	5.37	30.22	31.63	0.87
TRIB2	2	4505.45*	Max WS	156.36	392.39	394.26	394.18	394.72	0.017490	5.44	29.79	31.09	0.88
TRIB2	2	4459.54*	Max WS	156.54	391.65	393.53	393.46	393.99	0.018061	5.51	29.45	30.68	0.90
TRIB2	2	4413.63*	Max WS	156.72	390.92	392.80	392.74	393.27	0.018485	5.55	29.22	30.35	0.91
TRIB2	2	4367.72*	Max WS	156.90	390.19	392.07	392.02	392.55	0.018872	5.59	29.02	29.86	0.91
TRIB2	2	4321.81*	Max WS	157.07	389.46	391.35	391.31	391.83	0.019100	5.62	28.91	29.77	0.92
TRIB2	2	4275.90*	Max WS	157.21	388.73	390.65	390.58	391.11	0.017412	5.47	29.87	30.28	0.88
TRIB2	2	4230	Max WS	157.42	388.00	389.68	389.86	390.43	0.036930	6.96	22.90	26.14	1.24
TRIB2	2	4181.29*	Max WS	157.23	386.63	388.32	388.50	389.08	0.036881	6.98	22.75	25.47	1.24
TRIB2	2	4132.59*	Max WS	156.74	385.26	386.96	387.13	387.72	0.037216	7.03	22.48	24.73	1.25
TRIB2	2	4083.89*	Max WS	141.41	383.90	385.69	385.69	386.22	0.023583	5.86	24.41	25.40	1.01
TRIB2	2	4035.18*	Max WS	135.86	382.53	385.22		385.32	0.002279	2.75	62.19	59.52	0.35
TRIB2	2	3986.48*	Max WS	135.82	381.16	385.21		385.21	0.000102	0.83	305.65	203.43	0.08
TRIB2	2	3937.78*	Max WS	135.75	379.79	385.21		385.21	0.000013	0.37	636.19	228.58	0.03
TRIB2	2	3889.07*	Max WS	196.26	378.42	385.21		385.21	0.000007	0.32	1007.11	256.47	0.02
TRIB2	2	3840.37*	Max WS	196.17	377.06	385.21		385.21	0.000003	0.22	1407.98	273.34	0.01
TRIB2	2	3791.67*	Max WS	196.07	375.69	385.21		385.21	0.000001	0.17	1816.82	277.51	0.01
TRIB2	2	3742.97	Max WS	195.98	374.32	385.20		385.22	0.000041	1.12	175.04	280.00	0.06
TRIB2	2	3500		Culvert									
TRIB2	2	3435.77	Max WS	195.98	369.21	372.68		373.27	0.011149	6.19	32.56	21.40	0.74
TRIB2	2	3389.32*	Max WS	195.98	369.15	372.27		372.78	0.010401	5.77	36.35	24.95	0.72
TRIB2	2	3342.88*	Max WS	195.98	369.10	371.85		372.31	0.010466	5.58	38.36	29.09	0.73
TRIB2	2	3296.44*	Max WS	195.98	369.04	371.41		371.85	0.011074	5.45	40.56	35.00	0.74
TRIB2	2	3250	Max WS	195.98	368.99	370.81	370.82	371.34	0.018449	6.11	37.37	41.36	0.93
TRIB2	2	3203.*	Max WS	196.10	368.05	370.06	370.04	370.60	0.017397	6.04	36.63	38.16	0.91
TRIB2	2	3156.*	Max WS	196.22	367.11	369.28	369.25	369.83	0.017532	6.07	35.62	35.51	0.91
TRIB2	2	3109.*	Max WS	196.35	366.18	368.48	368.47	369.06	0.018544	6.18	34.42	34.09	0.93
TRIB2	2	3062.*	Max WS	196.47	365.24	367.71	367.70	368.29	0.018441	6.16	34.21	33.47	0.93
TRIB2	2	3015	Max WS	196.60	364.30	367.00	366.92	367.52	0.016015	5.88	35.94	34.28	0.87
TRIB2	2	2970.*	Max WS	196.72	363.86	366.40		366.87	0.014718	5.57	36.63	32.43	0.83
TRIB2	2	2925.*	Max WS	196.83	363.41	365.84		366.27	0.013931	5.30	38.28	33.42	0.81
TRIB2	2	2880	Max WS	196.95	362.97	365.30		365.70	0.013832	5.12	40.28	39.20	0.80
TRIB2	2	2834.83*	Max WS	197.07	362.40	364.74		365.18	0.014339	5.35	38.74	36.86	0.82
TRIB2	2	2789.67*	Max WS	197.19	361.84	364.17	364.16	364.65	0.015461	5.65	39.16	52.80	0.85
TRIB2	2	2744.50*	Max WS	197.31	361.27	363.57	363.58	364.03	0.016222	5.75	42.56	53.41	0.87
TRIB2	2	2699.34	Max WS	197.43	360.70	363.06		363.36	0.011184	4.96	52.85	55.03	0.73

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	2653.25*	Max WS	197.55	360.07	362.54	362.61	363.11	0.016247	6.34	38.22	49.64	0.89
TRIB2	2	2607.17*	Max WS	197.31	359.45	361.90	361.92	362.48	0.016427	6.47	37.85	39.69	0.90
TRIB2	2	2561.08*	Max WS	197.14	358.82	361.40		361.70	0.009014	5.12	57.96	63.04	0.67
TRIB2	2	2515	Max WS	197.24	358.19	361.34		361.39	0.001074	2.15	134.65	75.85	0.24
TRIB2	2	2475.28*	Max WS	197.23	357.31	361.28		361.36	0.001093	2.62	118.39	73.11	0.26
TRIB2	2	2435.57*	Max WS	197.22	356.42	361.27		361.32	0.000515	2.10	138.91	69.53	0.18
TRIB2	2	2395.85*	Max WS	197.21	355.54	361.27		361.29	0.000164	1.36	222.21	83.29	0.11
TRIB2	2	2356.14	Max WS	197.20	354.66	361.16		361.33	0.000798	3.34	59.06	97.65	0.24
TRIB2	2	2150		Culvert									
TRIB2	2	2107.54	Max WS	197.20	352.00	354.61		354.97	0.006532	4.80	41.06	38.23	0.59
TRIB2	2	2061.69*	Max WS	197.20	351.75	354.45		354.71	0.005469	4.12	52.77	41.56	0.53
TRIB2	2	2015.84*	Max WS	197.20	351.51	354.17		354.46	0.006340	4.37	51.52	44.06	0.57
TRIB2	2	1970	Max WS	197.19	351.26	353.69		354.11	0.011551	5.34	42.86	44.70	0.75
TRIB2	2	1928.*	Max WS	197.19	350.82	353.23		353.64	0.011630	5.32	43.78	45.71	0.75
TRIB2	2	1886.*	Max WS	197.19	350.39	352.78		353.18	0.011779	5.31	44.73	48.16	0.75
TRIB2	2	1844.*	Max WS	197.19	349.95	352.33		352.72	0.011847	5.28	45.80	50.90	0.75
TRIB2	2	1802.*	Max WS	197.08	349.52	351.93		352.28	0.010368	5.02	49.64	55.60	0.71
TRIB2	2	1760	Max WS	196.91	349.08	351.71		351.93	0.005833	4.09	64.71	65.28	0.54
TRIB2	2	1717.77*	Max WS	196.91	348.51	351.58		351.73	0.003122	3.41	81.91	73.55	0.41
TRIB2	2	1675.54*	Max WS	197.02	347.94	351.52		351.61	0.001712	2.86	105.85	91.46	0.31
TRIB2	2	1633.31*	Max WS	197.13	347.37	351.48		351.55	0.000938	2.37	129.47	86.95	0.24
TRIB2	2	1591.08*	Max WS	197.23	346.80	351.47		351.51	0.000581	2.06	149.86	82.57	0.19
TRIB2	2	1548.85*	Max WS	197.34	346.23	351.45		351.49	0.000390	1.85	168.82	79.37	0.16
TRIB2	2	1506.63	Max WS	197.45	345.66	351.31		351.50	0.001164	3.47	56.84	75.60	0.28
TRIB2	2	1400		Culvert									
TRIB2	2	1336.79	Max WS	118.83	342.58	346.14		346.18	0.000567	1.60	74.05	79.87	0.18
TRIB2	2	1296.34*	Max WS	118.81	341.95	346.15		346.16	0.000111	0.82	187.93	97.75	0.08
TRIB2	2	1255.89*	Max WS	118.81	341.33	346.15		346.16	0.000045	0.60	266.61	110.58	0.05
TRIB2	2	1215.44*	Max WS	118.80	340.70	346.15		346.15	0.000021	0.47	352.95	123.63	0.04
TRIB2	2	1175	Max WS	118.79	340.08	346.15		346.15	0.000011	0.38	445.61	132.10	0.03
TRIB2	2	1125.*	Max WS	118.77	339.49	346.15		346.15	0.000007	0.33	518.31	133.71	0.02
TRIB2	2	1075.*	Max WS	118.76	338.89	346.15		346.15	0.000005	0.29	586.16	134.51	0.02
TRIB2	2	1025	Max WS	118.75	338.30	346.15		346.15	0.000004	0.26	648.52	136.06	0.02
TRIB1	1	15010	Max WS	19.84	485.17	486.01	486.02	486.25	0.035412	3.92	5.07	12.09	1.06
TRIB1	1	14964.*	Max WS	19.83	483.66	484.38	484.39	484.58	0.036501	3.56	5.57	15.58	1.05
TRIB1	1	14918.*	Max WS	19.83	482.16	482.76	482.78	482.95	0.045757	3.53	5.61	18.88	1.14
TRIB1	1	14872.*	Max WS	19.82	480.65	481.18	481.20	481.34	0.041312	3.18	6.24	22.84	1.07
TRIB1	1	14826.*	Max WS	19.81	479.15	479.57	479.62	479.77	0.071780	3.58	5.54	25.69	1.36
TRIB1	1	14780	Max WS	19.79	477.64	477.95	478.04	478.27	0.172033	4.56	4.34	26.91	2.00
TRIB1	1	14731.6*	Max WS	20.13	475.53	476.04	476.05	476.18	0.048653	3.09	6.52	28.15	1.13
TRIB1	1	14683.3*	Max WS	22.81	473.42	474.00	474.10	474.29	0.110416	4.34	5.26	25.22	1.67
TRIB1	1	14635.*	Max WS	26.50	471.32	471.93	472.13	472.81	0.396458	7.52	3.52	19.26	3.10
TRIB1	1	14586.6*	Max WS	30.55	469.21	469.90	470.18	471.11	0.233171	8.81	3.47	9.99	2.63
TRIB1	1	14538.3*	Max WS	32.20	467.10	468.18	468.20	468.40	0.034434	3.80	8.48	20.53	1.04
TRIB1	1	14490	Max WS	31.97	464.99	466.12	466.18	466.43	0.051864	4.49	7.12	18.17	1.26
TRIB1	1	14445.*	Max WS	32.00	462.39	463.43	463.54	463.85	0.073530	5.16	6.20	16.68	1.49
TRIB1	1	14400.*	Max WS	31.89	459.80	460.84	460.90	461.18	0.049050	4.67	6.83	15.80	1.25
TRIB1	1	14355.*	Max WS	31.87	457.20	458.12	458.27	458.63	0.074667	5.75	5.55	12.88	1.54
TRIB1	1	14310.*	Max WS	31.56	454.61	455.58	455.63	455.92	0.039261	4.63	6.81	13.48	1.15
TRIB1	1	14265	Max WS	30.81	452.01	454.69		454.74	0.000715	1.79	17.17	31.90	0.20
TRIB1	1	14200		Culvert									
TRIB1	1	14122.5	Max WS	30.81	448.36	449.35	449.33	449.63	0.025622	4.23	7.28	14.55	0.96
TRIB1	1	14075.*	Max WS	30.72	447.14	448.16		448.39	0.025455	3.81	8.06	15.52	0.93
TRIB1	1	14027.5*	Max WS	30.62	445.92	446.94	446.91	447.16	0.026359	3.79	8.07	16.07	0.94
TRIB1	1	13980	Max WS	30.54	444.70	445.73		445.94	0.025141	3.66	8.34	16.89	0.92
TRIB1	1	13930.*	Max WS	30.49	443.38	444.45		444.68	0.025692	3.86	7.90	15.00	0.94
TRIB1	1	13880.*	Max WS	30.44	442.05	443.18		443.43	0.025236	3.96	7.68	13.78	0.93
TRIB1	1	13830.*	Max WS	30.41	440.73	441.91	441.88	442.17	0.025980	4.12	7.37	12.67	0.95
TRIB1	1	13780.*	Max WS	30.38	439.41	440.64		440.91	0.024936	4.16	7.29	11.92	0.94
TRIB1	1	13730.*	Max WS	30.37	438.08	439.34	439.32	439.64	0.027054	4.39	6.91	11.01	0.98
TRIB1	1	13680	Max WS	30.31	436.76	438.10		438.38	0.023051	4.21	7.19	10.74	0.91
TRIB1	1	13635.8*	Max WS	30.28	435.83	437.15		437.39	0.021318	3.94	7.70	12.06	0.87
TRIB1	1	13591.6*	Max WS	30.25	434.89	436.17		436.41	0.023185	3.93	7.70	12.90	0.90
TRIB1	1	13547.5*	Max WS	30.26	433.96	435.26		435.46	0.019389	3.56	8.49	14.41	0.82
TRIB1	1	13503.3*	Max WS	30.27	433.03	434.26		434.49	0.025228	3.85	7.86	14.42	0.92
TRIB1	1	13459.1*	Max WS	18.43	432.09	433.60		433.63	0.002807	1.44	12.76	19.66	0.32
TRIB1	1	13415	Max WS	17.01	431.16	433.56		433.56	0.000117	0.44	39.54	44.13	0.07
TRIB1	1	13397.3*	Max WS	83.27	431.29	433.38		433.45	0.002980	2.07	40.51	41.91	0.36
TRIB1	1	13379.6*	Max WS	83.05	431.42	433.29		433.35	0.002554	1.86	45.01	48.58	0.33
TRIB1	1	13361.9*	Max WS	82.33	431.54	433.21		433.26	0.002134	1.67	50.58	58.55	0.30
TRIB1	1	13344.3*	Max WS	67.28	431.67	433.16		433.18	0.001126	1.20	58.72	69.67	0.22
TRIB1	1	13326.64	Max WS	83.33	431.80	432.41	432.49	432.73	0.061904	4.58	18.85	56.67	1.37
TRIB1	1	13288.7*	Max WS	81.94	430.60	431.76		431.87	0.012205	2.68	31.66	64.46	0.65
TRIB1	1	13250.8*	Max WS	81.89	429.40	431.66		431.68	0.000578	1.08	85.31	85.26	0.16
TRIB1	1	13212.9*	Max WS	81.79	428.20	431.66		431.66	0.000084	0.58	192.22	142.95	0.07
TRIB1	1	13175	Max WS	81.66	427.00	431.63		431.66	0.000584	1.42	77.82	173.05	0.18
TRIB1	1	13100		Culvert									
TRIB1	1	12910	Max WS	81.66	422.00	424.54	424.58	425.22	0.028019	6.66	12.26	121.43	1.06
TRIB1	1	12866.6*	Max WS	81.92	421.60	423.61		423.72	0.016738	2.79	32.16	95.08	0.73
TRIB1	1	12823.3*	Max WS	82.18	421.20	422.88	422.88	423.04	0.027980	3.33	26.83	91.35	0.93
TRIB1	1	12780.*	Max WS	82.44	420.80	422.27		422.38	0.017214	2.88	32.11	96.71	0.75

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	12736.6*	Max WS	82.70	420.40	421.59		421.72	0.018977	3.00	31.27	96.90	0.79
TRIB1	1	12693.3*	Max WS	82.94	420.00	420.95		421.06	0.015124	2.81	34.01	98.40	0.71
TRIB1	1	12650	Max WS	83.21	419.60	420.20	420.22	420.38	0.030477	3.58	26.70	94.59	0.98
TRIB1	1	12607.5*	Max WS	83.46	418.64	419.25	419.28	419.46	0.031315	3.80	24.17	76.39	1.01
TRIB1	1	12565.*	Max WS	83.70	417.67	418.30	418.31	418.51	0.028627	3.80	23.97	66.23	0.98
TRIB1	1	12522.5*	Max WS	83.95	416.71	417.33	417.35	417.56	0.029646	3.96	23.05	60.40	1.00
TRIB1	1	12480.*	Max WS	84.20	415.75	416.39	416.39	416.61	0.026053	3.91	23.48	56.38	0.95
TRIB1	1	12437.5*	Max WS	84.45	414.78	415.41	415.44	415.68	0.031200	4.28	21.43	50.70	1.04
TRIB1	1	12395	Max WS	84.69	413.82	414.54		414.74	0.018914	3.78	24.76	49.41	0.84
TRIB1	1	12345.*	Max WS	84.69	413.04	413.75		413.95	0.018465	3.75	25.23	50.72	0.83
TRIB1	1	12295.*	Max WS	84.69	412.26	412.95		413.15	0.019455	3.80	25.07	51.79	0.85
TRIB1	1	12245.*	Max WS	84.69	411.49	412.17		412.36	0.018900	3.75	25.79	54.09	0.83
TRIB1	1	12195.*	Max WS	84.68	410.71	411.35	411.33	411.56	0.022187	3.92	24.94	56.56	0.89
TRIB1	1	12145	Max WS	84.68	409.93	410.58		410.75	0.018446	3.65	27.76	64.30	0.82
TRIB1	1	12097.*	Max WS	84.67	409.14	409.89	409.86	410.10	0.019908	3.84	24.53	51.53	0.85
TRIB1	1	12049.*	Max WS	84.67	408.35	409.18	409.15	409.41	0.020974	3.90	22.89	45.59	0.87
TRIB1	1	12001.*	Max WS	84.67	407.57	408.45	408.43	408.70	0.023353	3.98	21.57	41.11	0.92
TRIB1	1	11953.*	Max WS	84.67	406.78	407.71	407.69	407.96	0.025568	4.03	21.03	37.63	0.95
TRIB1	1	11905	Max WS	84.65	405.99	407.17		407.30	0.009988	2.96	28.59	40.38	0.62
TRIB1	1	11855.*	Max WS	88.46	405.57	406.69		406.83	0.010103	3.04	29.46	44.46	0.62
TRIB1	1	11805.*	Max WS	92.29	405.15	406.20		406.35	0.010549	3.13	30.54	48.86	0.64
TRIB1	1	11755.*	Max WS	96.15	404.74	405.71		405.86	0.010951	3.19	32.17	54.02	0.65
TRIB1	1	11705.*	Max WS	100.02	404.32	405.17		405.33	0.012849	3.36	32.76	59.15	0.70
TRIB1	1	11655	Max WS	103.90	403.90	404.73		404.85	0.008506	2.91	41.35	70.97	0.58
TRIB1	1	11608.9*	Max WS	107.46	403.47	404.34		404.47	0.008652	3.00	40.57	65.46	0.59
TRIB1	1	11562.9*	Max WS	111.01	403.03	403.93		404.06	0.009203	3.11	40.36	65.03	0.61
TRIB1	1	11516.9*	Max WS	114.56	402.60	403.52		403.65	0.009204	3.13	41.82	68.72	0.61
TRIB1	1	11470.9*	Max WS	118.13	402.16	403.06		403.22	0.010853	3.31	41.66	75.47	0.66
TRIB1	1	11424.96	Max WS	121.67	401.73	402.69		402.79	0.007813	2.91	53.83	111.39	0.56
TRIB1	1	11378.9*	Max WS	125.18	401.36	402.32		402.43	0.007982	2.97	50.86	88.32	0.57
TRIB1	1	11332.9*	Max WS	128.68	400.99	401.94		402.06	0.008111	3.02	49.90	79.71	0.57
TRIB1	1	11286.9*	Max WS	132.17	400.61	401.56		401.69	0.008422	3.07	49.43	75.88	0.59
TRIB1	1	11240.9*	Max WS	135.68	400.24	401.20		401.32	0.007552	2.98	52.18	76.45	0.56
TRIB1	1	11195	Max WS	139.19	399.87	400.69		400.86	0.012886	3.51	45.23	76.90	0.71
TRIB1	1	11153.3*	Max WS	142.62	399.24	400.12		400.31	0.013383	3.81	43.40	69.96	0.73
TRIB1	1	11111.6*	Max WS	146.05	398.60	399.50		399.75	0.016443	4.33	40.68	68.31	0.82
TRIB1	1	11070	Max WS	149.48	397.97	399.11		399.18	0.004696	2.75	85.09	159.13	0.46
TRIB1	1	11023.7*	Max WS	152.82	397.46	398.70		398.91	0.009604	3.89	45.73	57.97	0.65
TRIB1	1	10977.5*	Max WS	156.16	396.96	398.26		398.48	0.010406	3.90	43.75	54.40	0.67
TRIB1	1	10931.2*	Max WS	159.51	396.45	397.82		398.04	0.010619	3.80	44.07	53.92	0.67
TRIB1	1	10884.9*	Max WS	162.86	395.95	397.37		397.59	0.011183	3.73	44.67	54.94	0.68
TRIB1	1	10838.7*	Max WS	166.21	395.44	396.92		397.13	0.012305	3.72	44.98	55.66	0.71
TRIB1	1	10792.4*	Max WS	169.56	394.93	396.46		396.67	0.013413	3.75	45.17	55.30	0.73
TRIB1	1	10746.2*	Max WS	172.90	394.43	396.00		396.22	0.012524	3.73	46.34	54.34	0.71
TRIB1	1	10699.98	Max WS	176.24	393.92	395.64		395.81	0.008680	3.31	53.27	56.83	0.60
TRIB1	1	10655.9*	Max WS	180.06	393.56	395.32		395.48	0.008195	3.25	55.43	58.22	0.59
TRIB1	1	10611.9*	Max WS	183.89	393.20	394.97		395.14	0.008270	3.27	56.24	58.88	0.59
TRIB1	1	10567.9*	Max WS	187.71	392.84	394.61		394.78	0.008584	3.33	56.41	59.18	0.60
TRIB1	1	10524.*	Max WS	191.53	392.48	394.29		394.45	0.008044	3.26	58.81	60.68	0.58
TRIB1	1	10480	Max WS	195.35	392.12	393.54	393.56	393.96	0.027402	5.17	37.75	48.78	1.04
TRIB1	1	10440.0*	Max WS	195.00	390.75	392.65		393.01	0.018258	4.75	41.06	44.38	0.87
TRIB1	1	10400.0*	Max WS	194.94	389.37	392.42		392.51	0.002536	2.54	87.63	119.18	0.35
TRIB1	1	10360.08	Max WS	194.83	388.00	392.24		392.43	0.001589	3.49	55.91	135.74	0.32
TRIB1	1	10200		Culvert									
TRIB1	1	10160	Max WS	194.78	387.00	390.53		390.91	0.005770	4.98	39.12	79.08	0.54
TRIB1	1	10111.6*	Max WS	194.61	386.81	390.36		390.63	0.005924	4.18	47.73	47.73	0.54
TRIB1	1	10063.3*	Max WS	193.96	386.62	390.13		390.38	0.005179	4.02	50.02	34.68	0.51
TRIB1	1	10015	Max WS	192.96	386.43	389.99		390.17	0.003566	3.51	63.73	54.72	0.43
TRIB1	1	9966.25*	Max WS	244.50	385.96	389.46		389.83	0.008068	4.90	51.90	35.26	0.64
TRIB1	1	9917.5*	Max WS	244.49	385.49	389.06		389.44	0.009142	4.95	50.14	33.24	0.67
TRIB1	1	9868.75*	Max WS	243.88	385.02	388.63		389.01	0.010929	5.04	51.56	44.07	0.72
TRIB1	1	9820	Max WS	238.81	384.55	388.43		388.57	0.004645	3.37	98.71	109.61	0.47
TRIB1	1	9777.*	Max WS	217.60	384.19	388.09		388.33	0.005699	3.97	56.21	40.54	0.53
TRIB1	1	9734.*	Max WS	212.33	383.83	387.97		388.14	0.003153	3.33	66.89	41.59	0.41
TRIB1	1	9691.*	Max WS	210.65	383.47	387.91		388.03	0.001837	2.83	82.74	50.50	0.32
TRIB1	1	9648.*	Max WS	210.69	383.11	387.89		387.97	0.001059	2.36	112.26	71.10	0.25
TRIB1	1	9605	Max WS	209.06	382.75	387.89		387.93	0.000542	1.82	167.43	102.68	0.18
TRIB1	1	9555.*	Max WS	209.15	382.73	387.87		387.90	0.000360	1.62	188.04	103.37	0.15
TRIB1	1	9505.*	Max WS	209.22	382.71	387.86		387.89	0.000245	1.44	212.90	105.35	0.13
TRIB1	1	9455	Max WS	209.29	382.69	387.86		387.87	0.000122	1.08	306.63	133.80	0.09
TRIB1	1	9407.5*	Max WS	209.36	382.36	387.86		387.87	0.000089	0.98	338.66	131.20	0.08
TRIB1	1	9360.*	Max WS	209.42	382.02	387.86		387.87	0.000068	0.89	369.54	129.30	0.07
TRIB1	1	9312.5*	Max WS	209.48	381.69	387.86		387.86	0.000053	0.82	399.67	128.88	0.06
TRIB1	1	9265	Max WS	209.55	381.36	387.85		387.86	0.000042	0.76	429.56	127.10	0.06
TRIB1	1	9258.09*	Max WS	209.61	381.23	387.85		387.86	0.000038	0.74	435.58	126.82	0.05
TRIB1	1	9251.18*	Max WS	209.66	381.10	387.85		387.86	0.000034	0.71	446.58	126.67	0.05
TRIB1	1	9244.28*	Max WS	209.72	380.97	387.85		387.85	0.000029	0.67	463.06	125.16	0.05
TRIB1	1	9237.37*	Max WS	209.78	380.83	387.85		387.85	0.000025	0.62	486.22	122.91	0.04
TRIB1	1	9230.46*	Max WS	209.84	380.70	387.85		387.85	0.000020	0.58	513.94	122.34	0.04
TRIB1	1	9223.56*	Max WS	209.90	380.57	387.85		387.85	0.000017	0.54	545.12	122.76	0.04
TRIB1	1	9216.65*	Max WS	209.95	380.44	387.85		387.85	0.000014	0.50	579.20	123.81	0.03

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	9209.75	Max WS	210.01	380.31	387.80		387.90	0.000348	2.61	80.53	125.04	0.17
TRIB1	1	9100		Culvert									
TRIB1	1	9036.32	Max WS	210.01	380.00	382.40	382.60	383.75	0.024556	9.33	22.51	35.99	1.15
TRIB1	1	8992.54*	Max WS	210.09	378.98	381.56		382.05	0.014875	5.59	37.79	29.14	0.84
TRIB1	1	8948.77*	Max WS	210.18	377.96	381.07		381.51	0.010343	5.34	40.14	27.26	0.72
TRIB1	1	8905	Max WS	210.26	376.94	380.90		381.20	0.005086	4.56	52.52	36.85	0.52
TRIB1	1	8862.5*	Max WS	210.34	376.91	380.70		381.01	0.005130	4.59	53.66	38.31	0.53
TRIB1	1	8820.*	Max WS	210.42	376.88	380.49		380.79	0.005224	4.62	54.73	39.64	0.53
TRIB1	1	8777.5*	Max WS	210.50	376.85	380.26		380.57	0.005458	4.70	55.25	40.93	0.54
TRIB1	1	8735.*	Max WS	210.59	376.81	380.02		380.34	0.005761	4.78	55.79	42.35	0.56
TRIB1	1	8692.5*	Max WS	210.67	376.78	379.78		380.09	0.006089	4.85	56.41	43.86	0.58
TRIB1	1	8650	Max WS	210.75	376.75	379.54		379.84	0.006320	4.87	57.97	46.45	0.59
TRIB1	1	8606.66*	Max WS	213.03	376.50	379.20		379.55	0.007231	4.89	50.99	38.94	0.62
TRIB1	1	8563.33*	Max WS	213.12	376.25	378.89		379.22	0.007505	4.68	48.96	35.74	0.62
TRIB1	1	8520	Max WS	213.21	376.00	378.54		378.87	0.008591	4.62	47.30	34.53	0.65
TRIB1	1	8471.42*	Max WS	213.30	375.67	378.14		378.46	0.008585	4.55	48.29	36.86	0.65
TRIB1	1	8422.85*	Max WS	213.40	375.33	377.73		378.04	0.008820	4.52	48.91	39.34	0.65
TRIB1	1	8374.28*	Max WS	213.49	375.00	377.31		377.62	0.009164	4.50	49.37	41.98	0.66
TRIB1	1	8325.71*	Max WS	213.58	374.67	376.91		377.21	0.009353	4.47	50.24	45.24	0.67
TRIB1	1	8277.14*	Max WS	213.67	374.34	376.51		376.80	0.009269	4.39	51.81	49.25	0.66
TRIB1	1	8228.57*	Max WS	213.76	374.00	376.13		376.40	0.008829	4.25	54.38	53.88	0.64
TRIB1	1	8180	Max WS	213.86	373.67	375.64		375.95	0.011252	4.51	51.38	56.38	0.72
TRIB1	1	8139.*	Max WS	213.94	372.96	375.21		375.52	0.011343	4.50	49.07	50.03	0.72
TRIB1	1	8098.*	Max WS	214.00	372.25	374.89		375.15	0.008782	4.12	52.75	48.13	0.64
TRIB1	1	8057.*	Max WS	214.03	371.53	374.71		374.89	0.005104	3.45	63.20	51.20	0.50
TRIB1	1	8016.*	Max WS	214.03	370.82	374.61		374.74	0.002716	2.81	78.90	58.58	0.37
TRIB1	1	7975	Max WS	214.11	370.11	374.58		374.66	0.001454	2.28	101.60	85.19	0.28
TRIB1	1	7926.42*	Max WS	225.70	369.89	374.53		374.60	0.000946	2.08	129.28	97.51	0.23
TRIB1	1	7877.85*	Max WS	225.78	369.67	374.51		374.56	0.000595	1.84	153.56	93.16	0.19
TRIB1	1	7829.28*	Max WS	225.87	369.45	374.49		374.53	0.000415	1.70	172.36	87.45	0.16
TRIB1	1	7780.71*	Max WS	225.95	369.22	374.48		374.51	0.000319	1.62	186.46	83.89	0.14
TRIB1	1	7732.14*	Max WS	226.03	369.00	374.47		374.50	0.000259	1.57	201.03	83.79	0.13
TRIB1	1	7683.57*	Max WS	226.11	368.78	374.46		374.49	0.000203	1.48	226.25	86.91	0.12
TRIB1	1	7635	Max WS	226.18	368.56	374.46		374.48	0.000146	1.33	260.60	84.40	0.10
TRIB1	1	7585.*	Max WS	226.26	368.34	374.45		374.47	0.000105	1.14	298.26	94.93	0.09
TRIB1	1	7535.*	Max WS	226.34	368.13	374.45		374.46	0.000077	0.99	341.11	106.45	0.08
TRIB1	1	7485.*	Max WS	226.42	367.91	374.45		374.46	0.000057	0.86	389.30	117.72	0.06
TRIB1	1	7435.*	Max WS	226.41	367.70	374.45		374.46	0.000042	0.75	443.12	128.55	0.06
TRIB1	1	7385	Max WS	226.50	367.48	374.45		374.45	0.000032	0.65	501.78	138.55	0.05
TRIB1	1	7335.83*	Max WS	226.63	366.90	374.45		374.45	0.000021	0.57	597.58	157.30	0.04
TRIB1	1	7286.66*	Max WS	226.69	366.32	374.45		374.45	0.000014	0.51	715.17	181.41	0.03
TRIB1	1	7237.5*	Max WS	226.76	365.74	374.45		374.45	0.000010	0.44	866.20	212.14	0.03
TRIB1	1	7188.33*	Max WS	226.81	365.16	374.45		374.45	0.000006	0.38	1051.81	236.82	0.02
TRIB1	1	7139.16*	Max WS	226.97	364.58	374.45		374.45	0.000004	0.32	1270.44	262.11	0.02
TRIB1	1	7090	Max WS	226.90	364.00	374.45		374.45	0.000003	0.27	1521.79	287.54	0.02
TRIB1	1	7044.28*	Max WS	226.94	363.55	374.45		374.45	0.000003	0.28	1445.45	272.16	0.02
TRIB1	1	6998.57*	Max WS	227.24	363.11	374.45		374.45	0.000003	0.28	1397.81	254.94	0.02
TRIB1	1	6952.85*	Max WS	227.32	362.66	374.45		374.45	0.000002	0.28	1379.61	237.06	0.01
TRIB1	1	6907.14*	Max WS	227.40	362.22	374.45		374.45	0.000002	0.26	1393.51	213.72	0.01
TRIB1	1	6861.42*	Max WS	227.12	361.77	374.45		374.45	0.000002	0.24	1435.26	197.68	0.01
TRIB1	1	6815.71*	Max WS	227.18	361.33	374.45		374.45	0.000001	0.22	1495.03	186.71	0.01
TRIB1	1	6770	Max WS	227.24	360.88	374.45		374.45	0.000001	0.21	1568.44	178.62	0.01
TRIB1	1	6721.48*	Max WS	272.26	359.92	374.45		374.45	0.000001	0.19	1891.88	205.79	0.01
TRIB1	1	6672.96*	Max WS	272.30	358.96	374.45		374.45	0.000001	0.16	2235.12	233.15	0.01
TRIB1	1	6624.45	Max WS	272.26	358.00	374.44		374.46	0.000019	1.03	263.06	260.77	0.04
TRIB1	1	6400		Culvert									
TRIB1	1	6265	Max WS	272.25	356.64	359.88		360.34	0.008299	5.45	49.99	27.17	0.66
TRIB1	1	6217.5*	Max WS	272.25	356.10	359.55		359.98	0.008220	5.28	51.83	29.39	0.65
TRIB1	1	6170.*	Max WS	272.22	355.55	359.23		359.65	0.007120	5.20	53.59	33.47	0.61
TRIB1	1	6122.5*	Max WS	272.15	355.01	358.98		359.36	0.005669	4.98	58.05	37.00	0.55
TRIB1	1	6075	Max WS	272.06	354.47	358.80		359.13	0.004166	4.63	65.98	41.27	0.48
TRIB1	1	6036.25*	Max WS	277.34	354.59	358.68		358.95	0.003799	4.27	70.60	42.46	0.46
TRIB1	1	5997.5*	Max WS	277.34	354.71	358.58		358.81	0.003522	3.95	74.92	44.59	0.44
TRIB1	1	5958.75*	Max WS	277.34	354.83	358.46		358.68	0.003610	3.79	76.81	46.40	0.44
TRIB1	1	5920	Max WS	277.33	354.95	358.32		358.54	0.004130	3.77	75.90	47.96	0.47
TRIB1	1	5871.25*	Max WS	277.45	354.76	358.07		358.33	0.004714	4.15	70.37	44.44	0.50
TRIB1	1	5822.5*	Max WS	277.56	354.57	357.75		358.10	0.006300	4.81	62.52	42.65	0.58
TRIB1	1	5773.75*	Max WS	277.67	354.37	357.31	357.12	357.85	0.010933	6.06	53.42	47.32	0.76
TRIB1	1	5725	Max WS	277.79	354.18	357.09		357.32	0.006403	4.69	90.02	76.51	0.58
TRIB1	1	5685.*	Max WS	277.88	353.76	356.83		357.13	0.006564	5.06	81.62	70.02	0.59
TRIB1	1	5645.*	Max WS	277.97	353.33	356.59		356.90	0.005691	5.00	77.63	59.02	0.56
TRIB1	1	5605	Max WS	278.06	352.91	356.41		356.68	0.004075	4.56	81.43	51.34	0.48
TRIB1	1	5562.*	Max WS	278.16	352.79	356.19		356.51	0.004768	4.84	73.60	46.90	0.52
TRIB1	1	5519.*	Max WS	278.26	352.66	355.94		356.31	0.005668	5.13	67.16	44.20	0.56
TRIB1	1	5476.*	Max WS	278.36	352.54	355.63		356.07	0.007253	5.54	60.48	42.51	0.63
TRIB1	1	5433.*	Max WS	278.46	352.41	355.31	355.04	355.82	0.009484	5.97	56.21	49.31	0.71
TRIB1	1	5390	Max WS	278.56	352.29	355.13		355.41	0.006522	4.87	89.07	102.29	0.59
TRIB1	1	5343.*	Max WS	278.65	351.86	354.65		355.17	0.010421	6.01	55.50	45.46	0.74
TRIB1	1	5296.*	Max WS	278.75	351.43	354.21		354.73	0.010842	6.04	54.79	45.03	0.76
TRIB1	1	5249.*	Max WS	278.85	351.00	353.79		354.29	0.010609	5.92	56.63	47.66	0.75
TRIB1	1	5202.*	Max WS	278.95	350.57	353.49		353.89	0.008323	5.38	65.17	55.60	0.66

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	5155	Max WS	279.05	350.14	353.34		353.58	0.004678	4.33	87.07	68.67	0.51
TRIB1	1	5108.75*	Max WS	279.17	349.93	353.13		353.38	0.004614	4.49	87.90	64.30	0.51
TRIB1	1	5062.5*	Max WS	279.29	349.73	352.91		353.17	0.004956	4.82	85.97	59.80	0.53
TRIB1	1	5016.25*	Max WS	279.41	349.52	352.64		352.94	0.006080	5.46	80.50	55.20	0.59
TRIB1	1	4970	Max WS	279.52	349.31	352.18		352.62	0.010902	7.09	67.10	50.63	0.79
TRIB1	1	4926.66*	Max WS	276.50	348.97	351.67		352.21	0.011289	7.12	60.09	45.03	0.80
TRIB1	1	4883.33*	Max WS	279.71	348.63	351.16		351.74	0.011143	6.94	56.50	40.09	0.80
TRIB1	1	4840	Max WS	279.81	348.29	350.84		351.29	0.007592	5.92	62.37	39.27	0.66
TRIB1	1	4798.*	Max WS	279.91	347.89	350.51		350.97	0.008095	6.02	60.46	38.41	0.68
TRIB1	1	4756.*	Max WS	280.00	347.49	350.15		350.65	0.008569	6.12	58.48	37.55	0.70
TRIB1	1	4714.*	Max WS	280.10	347.08	349.79		350.30	0.008973	6.20	56.58	36.55	0.71
TRIB1	1	4672.*	Max WS	280.20	346.68	349.42		349.95	0.009055	6.21	55.39	35.71	0.71
TRIB1	1	4630	Max WS	280.30	346.28	349.10		349.60	0.008235	6.02	56.31	35.42	0.68
TRIB1	1	4582.*	Max WS	280.41	345.93	348.73		349.23	0.008505	5.96	56.15	35.98	0.69
TRIB1	1	4534.*	Max WS	280.52	345.58	348.34		348.84	0.008767	5.91	55.91	36.50	0.70
TRIB1	1	4486.*	Max WS	280.62	345.22	347.95		348.44	0.008948	5.85	55.61	36.87	0.70
TRIB1	1	4438.*	Max WS	280.73	344.87	347.53		348.03	0.009274	5.83	54.94	37.13	0.71
TRIB1	1	4390	Max WS	280.72	344.52	346.92	346.79	347.55	0.013420	6.46	47.63	34.86	0.83
TRIB1	1	4341.25*	Max WS	245.32	343.89	346.46		346.84	0.007730	5.05	54.95	41.77	0.64
TRIB1	1	4292.5*	Max WS	242.25	343.26	346.39		346.56	0.002779	3.51	85.16	54.18	0.40
TRIB1	1	4243.75*	Max WS	242.29	342.63	346.38		346.45	0.001037	2.45	128.83	65.70	0.25
TRIB1	1	4195	Max WS	242.32	342.00	346.37		346.41	0.000438	1.79	183.51	77.97	0.17
TRIB1	1	4147.5*	Max WS	241.33	341.61	346.34		346.39	0.000505	1.97	161.56	67.79	0.18
TRIB1	1	4100.*	Max WS	240.41	341.21	346.31		346.37	0.000553	2.09	150.00	63.41	0.19
TRIB1	1	4052.5*	Max WS	239.56	340.82	346.27		346.34	0.000605	2.20	142.83	63.00	0.20
TRIB1	1	4005	Max WS	238.75	340.42	346.24		346.31	0.000698	2.34	137.67	69.49	0.21
TRIB1	1	3955.*	Max WS	238.80	340.99	346.21		346.28	0.000674	2.25	146.19	81.89	0.21
TRIB1	1	3905	Max WS	238.84	341.56	346.19		346.24	0.000643	2.12	162.52	100.07	0.20
TRIB1	1	3856.25*	Max WS	238.03	341.04	346.17		346.21	0.000432	1.95	173.58	79.71	0.17
TRIB1	1	3807.5*	Max WS	238.02	340.52	346.16		346.19	0.000304	1.81	191.70	72.61	0.15
TRIB1	1	3758.75*	Max WS	238.02	340.01	346.15		346.18	0.000218	1.67	218.78	72.88	0.13
TRIB1	1	3710	Max WS	238.01	339.49	346.15		346.17	0.000149	1.49	264.98	80.60	0.11
TRIB1	1	3666.*	Max WS	238.00	339.25	346.15		346.16	0.000084	1.14	331.64	101.37	0.08
TRIB1	1	3622.*	Max WS	237.98	339.02	346.15		346.16	0.000054	0.91	400.17	123.92	0.06
TRIB1	1	3578.	Max WS	237.96	338.78	346.15		346.15	0.000037	0.76	471.03	147.89	0.05
TRIB1	2	3534.	Max WS	356.71	338.15	346.14		346.15	0.000069	1.17	565.98	178.01	0.08
TRIB1	2	3490	Max WS	356.69	337.96	346.14		346.15	0.000046	0.96	681.27	217.90	0.06
TRIB1	2	3441.18*	Max WS	356.78	337.67	346.14		346.14	0.000041	0.93	707.99	205.49	0.06
TRIB1	2	3392.36*	Max WS	356.87	337.38	346.13		346.14	0.000037	0.90	725.84	192.46	0.06
TRIB1	2	3343.55*	Max WS	356.96	337.08	346.13		346.14	0.000034	0.88	734.75	178.94	0.05
TRIB1	2	3294.73*	Max WS	357.05	336.79	346.13		346.14	0.000032	0.87	734.56	164.90	0.05
TRIB1	2	3245.91*	Max WS	357.14	336.50	346.13		346.14	0.000031	0.87	724.97	150.33	0.05
TRIB1	2	3197.1	Max WS	357.23	336.21	346.13	339.67	346.13	0.000031	0.88	706.30	135.28	0.05
TRIB1	2	3100		Bridge									
TRIB1	2	3033.95	Max WS	357.23	336.09	346.12		346.13	0.000021	0.73	805.08	152.56	0.04
TRIB1	2	2989.39*	Max WS	357.20	335.91	346.12		346.13	0.000019	0.71	841.86	157.48	0.04
TRIB1	2	2944.84*	Max WS	357.17	335.73	346.12		346.13	0.000017	0.69	881.60	161.96	0.04
TRIB1	2	2900.28*	Max WS	357.13	335.56	346.12		346.13	0.000016	0.66	923.91	166.90	0.04
TRIB1	2	2855.73*	Max WS	357.09	335.38	346.12		346.13	0.000014	0.64	969.22	173.20	0.04
TRIB1	2	2811.17*	Max WS	357.05	335.20	346.12		346.13	0.000013	0.62	1018.84	181.57	0.03
TRIB1	2	2766.62*	Max WS	357.02	335.02	346.12		346.12	0.000012	0.60	1074.33	190.42	0.03
TRIB1	2	2722.06*	Max WS	356.98	334.85	346.12		346.12	0.000011	0.58	1134.80	200.27	0.03
TRIB1	2	2677.51*	Max WS	356.94	334.67	346.12		346.12	0.000010	0.56	1200.92	213.43	0.03
TRIB1	2	2632.96	Max WS	356.90	334.49	346.12		346.12	0.000010	0.57	1277.15	248.53	0.03
TRIB1	2	2585.95*	Max WS	356.85	333.99	346.12		346.12	0.000007	0.48	1444.13	255.00	0.03
TRIB1	2	2538.94*	Max WS	356.79	333.49	346.12		346.12	0.000005	0.41	1632.29	261.50	0.02
TRIB1	2	2491.94*	Max WS	356.73	333.00	346.12		346.12	0.000003	0.35	1841.64	270.51	0.02
TRIB1	2	2444.93*	Max WS	356.67	332.50	346.12		346.12	0.000002	0.31	2067.79	283.28	0.02
TRIB1	2	2397.93	Max WS	356.61	332.00	346.10		346.17	0.000101	2.14	166.39	296.15	0.10
TRIB1	2	2200		Culvert									
TRIB1	2	2065	Max WS	356.61	330.41	333.52		334.39	0.011744	7.58	48.82	50.90	0.83
TRIB1	2	1965	Max WS	356.60	330.41	333.14		333.40	0.004931	4.27	103.79	80.15	0.52
TRIB1	2	1915.*	Max WS	356.59	330.01	332.86		333.14	0.005461	4.42	95.49	74.30	0.54
TRIB1	2	1865.*	Max WS	356.54	329.60	332.56		332.86	0.005892	4.52	90.01	71.76	0.56
TRIB1	2	1815	Max WS	355.91	329.20	332.25		332.56	0.006021	4.50	88.59	77.32	0.57
TRIB1	2	1770.*	Max WS	352.22	328.71	332.04		332.32	0.004529	4.35	95.04	69.99	0.50
TRIB1	2	1725.*	Max WS	371.79	328.22	331.76		332.10	0.004876	4.88	93.52	63.15	0.53
TRIB1	2	1680.*	Max WS	373.05	327.72	331.48		331.89	0.005443	5.50	88.26	57.30	0.57
TRIB1	2	1635	Max WS	373.05	327.23	330.88	330.83	331.69	0.011328	7.81	64.39	44.58	0.82
TRIB1	2	1595.*	Max WS	373.04	326.85	330.43	330.28	331.20	0.010991	7.44	62.70	40.92	0.80
TRIB1	2	1555.*	Max WS	373.04	326.47	330.09		330.74	0.009037	6.71	66.68	40.57	0.72
TRIB1	2	1515.*	Max WS	373.03	326.08	329.92		330.39	0.006041	5.68	77.79	43.03	0.59
TRIB1	2	1475	Max WS	373.03	325.70	329.85		330.16	0.003684	4.68	94.04	46.36	0.47
TRIB1	2	1435.00*	Max WS	373.03	325.99	329.75		330.02	0.003268	4.26	100.79	50.58	0.44
TRIB1	2	1395.01	Max WS	373.03	326.28	329.65		329.89	0.003152	3.99	105.74	55.10	0.43
TRIB1	2	1347.50*	Max WS	373.18	326.35	329.45		329.72	0.004181	4.30	102.50	68.14	0.49
TRIB1	2	1300	Max WS	373.32	326.43	329.32		329.53	0.003732	4.00	122.64	95.01	0.46
TRIB1	2	1263.33*	Max WS	372.95	326.11	329.12		329.40	0.004955	4.71	116.42	109.78	0.53
TRIB1	2	1226.66*	Max WS	373.19	325.79	328.78	328.78	329.21	0.008734	6.13	104.02	132.21	0.70
TRIB1	2	1190	Max WS	373.16	325.47	328.52		328.84	0.009903	6.36	122.01	157.79	0.72
ALDER	1	17980	Max WS	144.77	344.61	347.96		348.13	0.005115	3.36	45.60	37.82	0.43

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17934.1*	Max WS	144.77	344.54	347.75		347.93	0.005358	3.42	45.45	37.90	0.44
ALDER	1	17888.3*	Max WS	144.76	344.46	347.55		347.72	0.005536	3.46	45.69	38.83	0.44
ALDER	1	17842.5*	Max WS	144.76	344.39	347.34		347.52	0.005693	3.49	46.24	40.47	0.45
ALDER	1	17796.6*	Max WS	144.75	344.32	347.13		347.30	0.005783	3.49	47.23	42.84	0.45
ALDER	1	17750.8*	Max WS	144.74	344.24	346.90		347.07	0.005924	3.48	48.36	45.90	0.46
ALDER	1	17705	Max WS	144.74	344.17	346.63		346.80	0.006661	3.58	48.08	48.98	0.48
ALDER	1	17663.7*	Max WS	144.94	343.76	346.33		346.54	0.007341	3.92	43.83	42.05	0.51
ALDER	1	17622.5*	Max WS	145.14	343.35	346.03		346.28	0.008150	4.29	40.41	36.75	0.54
ALDER	1	17581.2*	Max WS	145.34	342.93	345.75		346.05	0.009363	4.77	38.21	38.35	0.58
ALDER	1	17540	Max WS	145.54	342.52	345.55		345.79	0.007980	4.64	49.14	73.76	0.54
ALDER	1	17490.4*	Max WS	145.75	342.38	345.31		345.53	0.007437	4.44	50.44	71.65	0.52
ALDER	1	17440.9*	Max WS	145.97	342.24	345.08		345.27	0.006792	4.21	52.33	69.70	0.50
ALDER	1	17391.3*	Max WS	146.19	342.11	344.85		345.02	0.006268	4.01	54.09	68.12	0.48
ALDER	1	17341.8*	Max WS	146.40	341.97	344.62		344.78	0.005754	3.80	56.05	66.75	0.46
ALDER	1	17292.2*	Max WS	146.61	341.83	344.33		344.49	0.006354	3.87	53.82	63.28	0.48
ALDER	1	17242.7*	Max WS	146.83	341.69	344.04		344.20	0.006865	3.89	52.34	60.19	0.50
ALDER	1	17193.1*	Max WS	147.05	341.55	343.76		343.92	0.007203	3.87	51.93	59.50	0.51
ALDER	1	17143.6*	Max WS	147.27	341.41	343.50		343.65	0.007247	3.78	52.43	59.45	0.51
ALDER	1	17094.0*	Max WS	147.49	341.28	343.24		343.39	0.007208	3.67	53.22	59.83	0.50
ALDER	1	17044.5*	Max WS	147.71	341.14	342.99		343.12	0.007003	3.52	54.50	60.66	0.49
ALDER	1	16995	Max WS	147.92	341.00	342.72		342.85	0.007251	3.46	54.46	60.74	0.50
ALDER	1	16950.8*	Max WS	148.12	340.58	342.45		342.60	0.008535	3.74	52.23	64.95	0.54
ALDER	1	16906.6*	Max WS	148.33	340.17	342.18		342.36	0.009757	3.97	50.66	70.96	0.57
ALDER	1	16862.5*	Max WS	148.53	339.76	341.89		342.07	0.010216	4.00	49.84	70.92	0.58
ALDER	1	16818.3*	Max WS	148.73	339.34	341.57		341.75	0.010515	3.94	49.50	70.12	0.59
ALDER	1	16774.1*	Max WS	148.93	338.93	341.25		341.40	0.009644	3.65	50.81	67.21	0.55
ALDER	1	16730	Max WS	149.13	338.51	340.92		341.05	0.008471	3.29	51.97	61.40	0.51
ALDER	1	16684.2*	Max WS	149.33	338.02	340.54		340.69	0.008869	3.48	50.87	59.39	0.53
ALDER	1	16638.5*	Max WS	149.54	337.54	340.12		340.30	0.009848	3.74	48.29	59.42	0.56
ALDER	1	16592.8*	Max WS	149.74	337.05	339.69		339.91	0.011278	4.03	44.46	59.61	0.60
ALDER	1	16547.1*	Max WS	149.94	336.57	339.22		339.50	0.013309	4.34	38.88	56.09	0.65
ALDER	1	16501.4*	Max WS	150.14	336.08	338.75		339.05	0.013963	4.41	34.90	43.27	0.67
ALDER	1	16455.7*	Max WS	150.34	335.60	338.29		338.57	0.012978	4.26	35.39	29.50	0.64
ALDER	1	16410	Max WS	150.54	335.11	337.91		338.14	0.010032	3.86	39.06	30.67	0.57
ALDER	1	16364.1*	Max WS	150.74	334.74	337.55		337.79	0.010160	3.93	38.59	31.60	0.58
ALDER	1	16318.3*	Max WS	150.94	334.37	337.20		337.44	0.010124	4.00	38.14	32.24	0.58
ALDER	1	16272.5*	Max WS	151.14	334.01	336.84		337.10	0.010101	4.07	37.83	33.75	0.58
ALDER	1	16226.6*	Max WS	151.35	333.64	336.49		336.75	0.010025	4.14	37.72	35.83	0.58
ALDER	1	16180.8*	Max WS	151.55	333.27	336.17		336.43	0.009202	4.11	39.08	40.36	0.56
ALDER	1	16135	Max WS	151.75	332.90	335.91		336.13	0.007273	3.86	43.95	48.98	0.50
ALDER	1	16089.*	Max WS	151.95	332.83	335.66		335.88	0.007456	3.94	44.27	45.60	0.51
ALDER	1	16043.*	Max WS	152.14	332.75	335.30		335.55	0.009166	4.22	42.35	44.68	0.57
ALDER	1	15997.*	Max WS	152.34	332.68	334.90		335.19	0.012118	4.62	40.39	55.94	0.64
ALDER	1	15951.*	Max WS	152.53	332.60	334.56		334.79	0.011959	4.44	44.87	59.83	0.64
ALDER	1	15905	Max WS	152.73	332.53	334.29		334.43	0.007630	3.53	54.97	61.71	0.51
ALDER	1	15856.*	Max WS	152.95	331.89	334.01		334.16	0.007489	3.70	54.83	65.02	0.51
ALDER	1	15807.*	Max WS	142.04	331.25	333.68		333.83	0.006863	3.66	53.96	73.23	0.49
ALDER	1	15758.*	Max WS	153.36	330.62	333.17	333.06	333.45	0.012488	4.75	44.44	92.18	0.65
ALDER	1	15709.*	Max WS	153.57	329.98	332.88		333.03	0.006713	3.62	55.51	118.29	0.48
ALDER	1	15660	Max WS	153.78	329.34	332.19	332.28	332.93	0.031376	6.92	22.72	109.11	0.99
ALDER	1	15611.2*	Max WS	153.77	328.45	331.22	331.25	331.71	0.023103	5.89	30.17	35.66	0.85
ALDER	1	15562.5*	Max WS	153.77	327.57	330.36		330.94	0.023351	6.12	25.42	18.73	0.87
ALDER	1	15513.7*	Max WS	153.62	326.68	329.53		329.99	0.017056	5.46	28.63	27.86	0.75
ALDER	1	15465	Max WS	151.70	325.80	329.12		329.33	0.005672	3.80	42.40	59.38	0.46
ALDER	1	15426.2*	Max WS	183.71	325.47	328.66		329.00	0.009474	4.83	41.30	42.94	0.59
ALDER	1	15387.5*	Max WS	183.66	325.14	328.48		328.72	0.006179	4.17	52.43	46.20	0.48
ALDER	1	15348.7*	Max WS	183.65	324.82	328.37		328.52	0.003484	3.39	67.87	49.69	0.37
ALDER	1	15310	Max WS	183.65	324.49	328.32	327.02	328.41	0.001919	2.73	84.65	50.48	0.28
ALDER	1	15300		Bridge									
ALDER	1	15170	Max WS	183.12	324.73	327.95		328.05	0.003949	2.92	83.60	99.71	0.37
ALDER	1	15125.*	Max WS	182.90	324.30	327.87		327.92	0.001710	2.22	116.45	110.28	0.25
ALDER	1	15080.	Max WS	182.88	323.87	327.85		327.87	0.000382	1.19	200.58	124.36	0.12
ALDER	2a	15035.	Max WS	548.21	323.45	327.67		327.78	0.002988	3.60	237.63	159.54	0.36
ALDER	2a	14990.*	Max WS	548.19	323.02	327.57		327.66	0.002140	3.22	246.60	143.12	0.31
ALDER	2a	14945	Max WS	548.18	322.59	327.55		327.59	0.000742	2.02	369.95	158.77	0.18
ALDER	2a	14899.1*	Max WS	583.51	322.52	327.41		327.53	0.002217	3.43	243.70	135.67	0.31
ALDER	2a	14853.3*	Max WS	583.49	322.44	327.22		327.42	0.003381	4.12	186.17	96.62	0.39
ALDER	2a	14807.5*	Max WS	583.49	322.36	327.01		327.25	0.003882	4.28	164.35	76.22	0.41
ALDER	2a	14761.6*	Max WS	583.85	322.29	326.77		327.06	0.004711	4.55	148.98	70.48	0.45
ALDER	2a	14715.8*	Max WS	584.22	322.22	326.54		326.84	0.005335	4.66	148.71	105.41	0.47
ALDER	2a	14670	Max WS	584.59	322.14	326.57		326.61	0.000834	1.88	417.18	224.44	0.19
ALDER	2a	14623.*	Max WS	588.63	322.14	326.50		326.56	0.001366	2.32	349.98	216.22	0.24
ALDER	2a	14576.*	Max WS	589.02	322.15	326.42		326.49	0.001649	2.43	327.11	210.90	0.26
ALDER	2a	14529.*	Max WS	589.41	322.15	326.34		326.40	0.001844	2.46	319.72	213.95	0.27
ALDER	2a	14482.*	Max WS	589.79	322.16	326.25		326.31	0.002075	2.48	314.63	217.19	0.28
ALDER	2a	14435	Max WS	590.17	322.16	326.14		326.20	0.002402	2.52	307.46	224.01	0.30
ALDER	2a	14385.*	Max WS	590.16	322.17	325.80		326.01	0.008101	4.28	194.34	228.40	0.54
ALDER	2a	14335.*	Max WS	590.13	322.19	325.46		325.64	0.008631	4.00	194.51	207.06	0.55
ALDER	2a	14285.*	Max WS	590.12	322.21	325.18		325.30	0.006161	3.06	220.61	191.11	0.45
ALDER	2a	14235	Max WS	590.11	322.22	324.96		325.05	0.004342	2.36	240.46	181.69	0.37
ALDER	2a	14192.*	Max WS	590.10	321.32	324.29	324.14	324.80	0.019122	5.77	108.05	100.78	0.81

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14149.*	Max WS	590.09	320.42	323.50		324.04	0.017377	5.97	102.45	71.17	0.79
ALDER	2a	14106.*	Max WS	590.08	319.52	322.88		323.39	0.012662	5.82	106.72	62.17	0.70
ALDER	2a	14063.*	Max WS	590.08	318.62	322.52		322.95	0.007776	5.43	118.33	57.64	0.57
ALDER	2a	14020	Max WS	590.08	317.72	322.24		322.67	0.005868	5.51	124.67	60.00	0.51
ALDER	2a	13975.*	Max WS	590.33	317.79	322.02		322.42	0.005714	5.28	130.92	67.71	0.50
ALDER	2a	13930.*	Max WS	590.57	317.86	321.79		322.16	0.005811	5.12	135.48	73.19	0.50
ALDER	2a	13885.*	Max WS	590.81	317.93	321.54		321.89	0.006237	5.05	138.10	78.93	0.51
ALDER	2a	13840	Max WS	591.05	318.00	321.25		321.61	0.007230	5.10	138.60	87.35	0.55
ALDER	2a	13795.*	Max WS	591.33	317.57	320.92		321.27	0.007549	5.18	141.16	92.58	0.56
ALDER	2a	13750	Max WS	591.61	317.13	320.59		320.92	0.007710	5.20	147.76	105.65	0.56
ALDER	2a	13703.7*	Max WS	591.88	316.85	320.18		320.56	0.008339	5.34	135.22	86.97	0.58
ALDER	2a	13657.5*	Max WS	592.14	316.57	319.80		320.18	0.008462	5.31	132.19	82.11	0.58
ALDER	2a	13611.2*	Max WS	592.41	316.28	319.38		319.78	0.008904	5.33	128.74	80.12	0.60
ALDER	2a	13565	Max WS	592.68	316.00	318.84		319.32	0.011922	5.80	114.87	75.70	0.68
ALDER	2a	13525.*	Max WS	592.87	315.33	318.47		318.90	0.008612	5.40	118.19	61.75	0.59
ALDER	2a	13485.*	Max WS	593.10	314.67	318.32		318.62	0.004768	4.56	139.35	57.69	0.45
ALDER	2a	13445	Max WS	593.26	314.00	318.25		318.47	0.002678	3.85	165.27	56.31	0.35
ALDER	2a	13399.*	Max WS	593.46	313.79	318.17		318.36	0.002333	3.57	179.84	63.26	0.33
ALDER	2a	13353.*	Max WS	593.66	313.57	318.10		318.26	0.001992	3.28	198.25	72.20	0.30
ALDER	2a	13307.*	Max WS	593.85	313.36	318.05		318.18	0.001639	2.98	223.51	84.71	0.27
ALDER	2a	13261.*	Max WS	594.05	313.14	318.02		318.11	0.001257	2.61	265.44	107.79	0.24
ALDER	2a	13215	Max WS	594.24	312.93	318.01		318.07	0.000763	2.05	353.53	156.24	0.19
ALDER	2a	13187.5*	Max WS	594.54	312.72	317.95		318.04	0.001244	2.69	288.73	136.62	0.24
ALDER	2a	13160	Max WS	594.85	312.52	317.77		317.96	0.002684	3.97	197.49	92.38	0.35
ALDER	2a	13132.5*	Max WS	595.03	311.79	317.70		317.89	0.002499	3.93	209.16	124.52	0.34
ALDER	2a	13105	Max WS	595.21	311.06	317.71		317.81	0.001443	3.08	288.29	161.00	0.26
ALDER	2a	13056.6*	Max WS	595.45	311.09	317.52		317.75	0.002713	4.17	191.49	108.83	0.35
ALDER	2a	13008.3*	Max WS	595.69	311.12	317.27		317.61	0.004051	4.97	144.76	70.72	0.43
ALDER	2a	12960.*	Max WS	595.93	311.15	316.96		317.40	0.005522	5.62	127.05	57.06	0.49
ALDER	2a	12911.6*	Max WS	596.17	311.19	316.54		317.10	0.008136	6.45	111.28	54.03	0.59
ALDER	2a	12863.3*	Max WS	596.42	311.22	315.87	315.78	316.68	0.014919	7.83	92.86	53.08	0.78
ALDER	2a	12815	Max WS	596.66	311.25	315.57		315.94	0.009313	5.93	134.52	114.93	0.61
ALDER	2a	12771.6*	Max WS	596.93	310.83	315.18		315.55	0.008648	5.99	145.04	109.95	0.60
ALDER	2a	12728.3*	Max WS	597.20	310.42	314.72		315.18	0.009791	6.53	138.80	116.65	0.64
ALDER	2a	12685	Max WS	597.46	310.00	314.17	314.29	314.83	0.012828	7.45	120.37	119.80	0.74
ALDER	2a	12645.*	Max WS	597.67	309.72	313.68	313.71	314.27	0.013468	7.08	118.79	100.27	0.74
ALDER	2a	12605.*	Max WS	597.89	309.44	313.45		313.76	0.007877	5.32	153.04	106.14	0.56
ALDER	2a	12565	Max WS	598.10	309.16	313.36		313.51	0.003616	3.66	207.31	113.62	0.38
ALDER	2a	12530.*	Max WS	598.29	309.44	313.22		313.38	0.004091	3.81	198.62	115.80	0.41
ALDER	2a	12495.*	Max WS	598.48	309.72	313.03		313.23	0.005191	4.09	183.61	116.66	0.45
ALDER	2a	12460	Max WS	598.67	310.00	312.53		312.94	0.014207	5.73	131.05	114.59	0.72
ALDER	2a	12412.5*	Max WS	598.93	308.39	311.76	311.56	312.35	0.014330	6.71	113.52	93.89	0.75
ALDER	2a	12365	Max WS	599.20	306.78	311.46		311.76	0.006185	5.32	161.95	107.41	0.51
ALDER	2a	12328.3*	Max WS	599.40	306.71	311.20		311.53	0.006809	5.47	158.84	123.10	0.54
ALDER	2a	12291.6*	Max WS	599.60	306.64	311.00		311.30	0.005972	5.10	167.11	125.49	0.50
ALDER	2a	12255	Max WS	599.80	306.57	310.87		311.10	0.004527	4.48	191.01	136.80	0.44
ALDER	2a	12215.*	Max WS	600.02	306.18	310.65		310.91	0.005128	4.76	175.26	129.78	0.47
ALDER	2a	12175.*	Max WS	600.23	305.79	310.40		310.71	0.005632	4.97	164.63	126.05	0.49
ALDER	2a	12135	Max WS	600.44	305.40	310.15		310.50	0.006047	5.12	157.08	129.36	0.51
ALDER	2a	12093.3*	Max WS	600.67	305.11	309.82		310.24	0.007200	5.60	138.04	96.36	0.55
ALDER	2a	12051.6*	Max WS	600.91	304.83	309.50		309.93	0.007750	5.86	133.58	88.41	0.57
ALDER	2a	12010	Max WS	601.14	304.54	309.09		309.59	0.009193	6.35	123.73	79.71	0.61
ALDER	2a	11971.6*	Max WS	601.36	304.36	308.68		309.23	0.010751	6.70	119.39	80.96	0.66
ALDER	2a	11933.3*	Max WS	601.59	304.18	308.40		308.82	0.008638	6.04	136.64	88.81	0.60
ALDER	2a	11895	Max WS	601.81	304.00	308.29		308.51	0.004780	4.67	180.32	104.08	0.45
ALDER	2a	11846.6*	Max WS	602.05	303.80	308.08		308.29	0.004739	4.34	181.48	104.80	0.44
ALDER	2a	11798.3*	Max WS	602.29	303.59	307.87		308.07	0.004924	4.06	181.93	104.13	0.44
ALDER	2a	11750	Max WS	602.53	303.39	307.62		307.82	0.005795	4.05	176.48	105.17	0.47
ALDER	2a	11703.3*	Max WS	602.78	303.15	307.27		307.53	0.007183	4.49	162.38	110.05	0.53
ALDER	2a	11656.6*	Max WS	603.03	302.90	306.84		307.18	0.008688	4.93	140.83	99.07	0.58
ALDER	2a	11610	Max WS	603.28	302.66	306.48		306.80	0.007497	4.69	141.99	89.52	0.54
ALDER	2a	11560.*	Max WS	603.55	302.16	306.05		306.42	0.007979	5.02	131.51	72.83	0.56
ALDER	2a	11510.*	Max WS	603.82	301.66	305.59		306.01	0.008451	5.31	120.95	63.21	0.58
ALDER	2a	11460.*	Max WS	604.09	301.16	305.14		305.59	0.008427	5.46	115.91	54.14	0.59
ALDER	2a	11410.*	Max WS	604.36	300.67	304.69		305.17	0.008430	5.62	112.52	49.53	0.59
ALDER	2a	11360.*	Max WS	604.63	300.17	304.23		304.75	0.008676	5.83	109.07	47.30	0.60
ALDER	2a	11310.*	Max WS	604.90	299.67	303.72		304.30	0.009580	6.19	104.47	47.52	0.63
ALDER	2a	11260	Max WS	605.17	299.17	303.08		303.79	0.012315	6.87	97.71	53.30	0.71
ALDER	2a	11219.*	Max WS	605.39	298.45	302.58		303.29	0.012434	6.82	95.69	50.11	0.71
ALDER	2a	11178.*	Max WS	605.61	297.72	302.07		302.77	0.012794	6.79	93.90	46.51	0.72
ALDER	2a	11137.*	Max WS	605.83	297.00	301.55		302.25	0.012686	6.77	92.75	42.98	0.71
ALDER	2a	11096.*	Max WS	606.05	296.27	301.08		301.75	0.011540	6.59	94.59	40.70	0.68
ALDER	2a	11055	Max WS	606.28	295.55	300.74		301.32	0.009414	6.12	101.84	40.85	0.60
ALDER	2a	11012.*	Max WS	606.51	295.50	300.38		300.92	0.008951	5.89	105.47	42.18	0.60
ALDER	2a	10969.*	Max WS	606.74	295.45	300.06		300.55	0.008420	5.62	110.48	44.59	0.58
ALDER	2a	10926.*	Max WS	606.96	295.41	299.78		300.21	0.007282	5.26	118.21	48.37	0.55
ALDER	2a	10883.*	Max WS	607.19	295.36	299.58		299.93	0.005745	4.83	130.55	53.93	0.49
ALDER	2a	10840	Max WS	607.42	295.31	299.44		299.72	0.004193	4.31	149.63	60.52	0.43
ALDER	2a	10793.6*	Max WS	607.67	295.05	299.22		299.52	0.004608	4.43	145.04	60.72	0.44
ALDER	2a	10747.3*	Max WS	607.92	294.78	298.98		299.30	0.005121	4.56	140.58	61.70	0.46
ALDER	2a	10701.0*	Max WS	608.17	294.52	298.71		299.05	0.005768	4.72	136.05	64.02	0.49

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

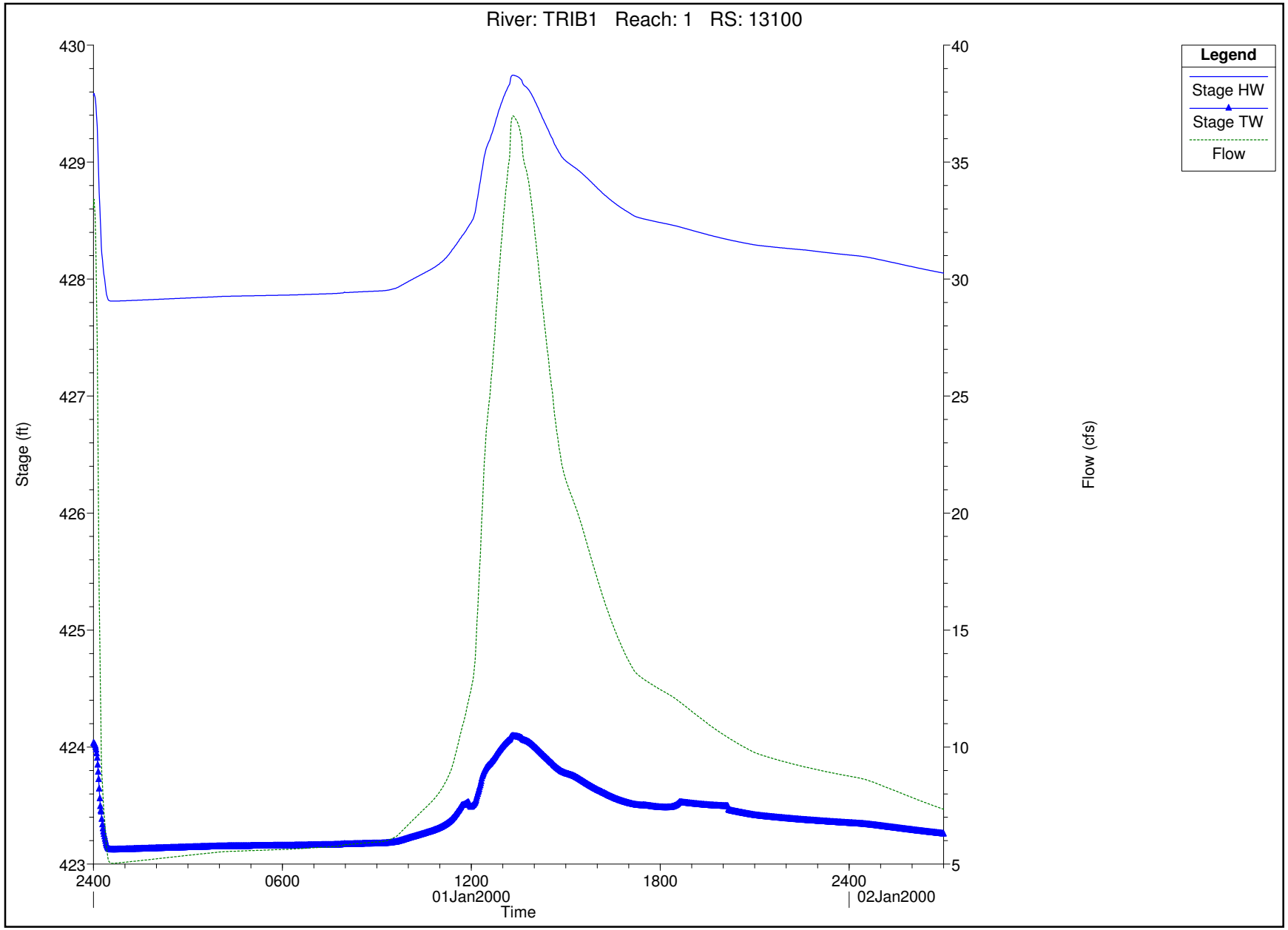
River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	10654.7*	Max WS	608.42	294.25	298.39		298.76	0.006797	4.94	130.34	68.52	0.53
ALDER	2a	10608.41	Max WS	608.66	293.99	297.94		298.40	0.009549	5.48	117.12	73.73	0.61
ALDER	2a	10566.3*	Max WS	608.89	293.60	297.52		298.00	0.009862	5.74	118.10	75.56	0.63
ALDER	2a	10524.2*	Max WS	609.11	293.21	297.08		297.60	0.010253	6.03	117.61	72.23	0.64
ALDER	2a	10482.1*	Max WS	609.34	292.83	296.51		297.15	0.013238	6.83	106.53	64.69	0.73
ALDER	2a	10440	Max WS	609.56	292.44	295.76	295.90	296.75	0.023042	8.63	85.83	54.86	0.96
ALDER	2a	10391.6*	Max WS	609.55	291.00	294.78	294.81	295.80	0.019527	8.66	83.53	44.33	0.90
ALDER	2a	10343.3*	Max WS	609.55	289.56	294.17		294.92	0.010973	7.51	97.62	41.01	0.70
ALDER	2a	10295	Max WS	609.54	288.12	294.06	292.61	294.50	0.004613	5.90	129.17	41.30	0.47
ALDER	2a	10200		Bridge									
ALDER	2a	10103.5	Max WS	609.54	287.85	291.78		292.13	0.006311	4.90	136.27	64.65	0.51
ALDER	2a	10055.7*	Max WS	609.49	287.78	291.52		291.83	0.005988	4.59	144.25	71.93	0.49
ALDER	2a	10007.8*	Max WS	609.19	287.71	291.25		291.54	0.006176	4.43	147.77	79.20	0.50
ALDER	2a	9960	Max WS	607.82	287.64	290.93		291.23	0.007113	4.45	144.87	84.81	0.52
ALDER	2a	9915.*	Max WS	612.91	287.01	290.64		290.93	0.005946	4.35	149.84	80.64	0.49
ALDER	2a	9870.*	Max WS	613.09	286.38	290.42		290.67	0.004628	4.15	159.50	80.22	0.44
ALDER	2a	9825.*	Max WS	605.48	285.74	290.28		290.49	0.003266	3.80	178.94	87.83	0.38
ALDER	2a	9780	Max WS	600.79	285.11	290.21		290.36	0.002082	3.32	222.75	108.87	0.31
ALDER	2a	9732.5*	Max WS	597.14	285.27	290.11		290.26	0.002086	3.44	218.96	87.18	0.31
ALDER	2a	9685	Max WS	593.23	285.42	290.00		290.15	0.002100	3.57	212.53	73.25	0.31
ALDER	2a	9642.5	Max WS	588.99	285.67	289.91		290.06	0.002117	3.51	206.83	73.57	0.31
ALDER	2	9600.	Max WS	1006.42	285.33	289.15		289.77	0.009196	6.56	170.38	66.89	0.64
ALDER	2	9557.5*	Max WS	1006.41	284.74	288.78		289.40	0.008872	6.52	170.33	65.73	0.63
ALDER	2	9515.*	Max WS	1006.40	284.16	288.41		289.04	0.008855	6.54	169.09	65.10	0.63
ALDER	2	9472.5*	Max WS	1006.39	283.57	287.99		288.65	0.009501	6.70	164.51	64.80	0.65
ALDER	2	9430	Max WS	1006.39	282.99	287.42		288.21	0.012460	7.30	150.05	64.00	0.73
ALDER	2	9391.66*	Max WS	1007.25	282.38	286.94		287.75	0.012089	7.35	149.18	60.05	0.72
ALDER	2	9353.33*	Max WS	1008.11	281.77	286.55		287.32	0.010776	7.20	153.98	59.25	0.69
ALDER	2	9315	Max WS	1008.97	281.16	286.26		286.95	0.008766	6.85	164.90	59.98	0.63
ALDER	2	9271.25*	Max WS	1008.96	280.79	285.88		286.57	0.009098	6.85	164.55	62.62	0.64
ALDER	2	9227.5*	Max WS	1008.95	280.42	285.47		286.17	0.009798	6.93	162.53	65.99	0.66
ALDER	2	9183.75*	Max WS	1008.95	280.04	284.99		285.74	0.011230	7.13	158.58	71.95	0.70
ALDER	2	9140	Max WS	1008.95	279.67	284.54		285.27	0.012045	7.12	167.16	92.40	0.72
ALDER	2	9105.*	Max WS	1009.44	279.22	284.25		284.88	0.009741	6.59	180.81	95.25	0.65
ALDER	2	9070.*	Max WS	1009.92	278.76	284.07		284.56	0.007039	5.88	205.41	101.59	0.56
ALDER	2	9035	Max WS	1010.41	278.31	283.98		284.34	0.004682	5.10	243.19	114.79	0.46
ALDER	2	8996.25*	Max WS	1010.93	278.16	283.72		284.15	0.005392	5.51	215.04	83.08	0.50
ALDER	2	8957.5*	Max WS	1011.45	278.01	283.44		283.94	0.006370	5.98	198.24	75.28	0.54
ALDER	2	8918.75*	Max WS	1011.97	277.86	283.04		283.68	0.008548	6.79	175.34	68.82	0.62
ALDER	2	8880	Max WS	1012.49	277.71	282.35	282.27	283.43	0.016346	8.69	136.12	61.53	0.84
ALDER	2	8833.75*	Max WS	1013.11	277.36	281.63	281.45	282.67	0.016465	8.37	133.52	57.70	0.84
ALDER	2	8787.5*	Max WS	1013.72	277.01	281.01		281.92	0.015314	7.81	140.16	59.20	0.80
ALDER	2	8741.25*	Max WS	1014.32	276.66	280.44		281.23	0.014089	7.28	148.91	62.98	0.77
ALDER	2	8695	Max WS	1014.94	276.31	279.81		280.57	0.014751	7.09	151.76	66.93	0.77
ALDER	2	8645.*	Max WS	1015.66	275.29	279.05		279.85	0.015106	7.29	147.50	65.24	0.79
ALDER	2	8595.*	Max WS	1016.38	274.26	278.32		279.14	0.014562	7.36	146.10	64.59	0.78
ALDER	2	8545.*	Max WS	1017.10	273.23	277.69		278.47	0.012478	7.15	151.20	67.25	0.73
ALDER	2	8495	Max WS	1017.83	272.21	277.46		277.96	0.006518	5.86	201.45	91.20	0.54
ALDER	2	8450.*	Max WS	1018.36	271.92	277.05		277.64	0.007877	6.21	169.11	62.58	0.59
ALDER	2	8405.*	Max WS	1018.80	271.63	276.73		277.29	0.007686	6.03	171.41	58.58	0.58
ALDER	2	8360.*	Max WS	1019.11	271.35	276.44		276.96	0.007249	5.79	177.65	61.58	0.56
ALDER	2	8315.*	Max WS	1018.64	271.06	276.21		276.67	0.006436	5.46	190.14	75.24	0.53
ALDER	2	8270.*	Max WS	1018.53	270.77	276.04		276.42	0.005192	4.98	216.02	82.18	0.48
ALDER	2	8225	Max WS	1018.26	270.48	275.93		276.21	0.003844	4.40	250.94	88.09	0.41
ALDER	2	8179.28*	Max WS	1060.11	270.30	275.68		276.01	0.004389	4.72	243.23	85.25	0.44
ALDER	2	8133.57*	Max WS	1060.11	270.12	275.47		275.81	0.004459	4.81	239.29	85.47	0.45
ALDER	2	8087.85*	Max WS	1060.11	269.94	275.25		275.61	0.004521	4.91	236.20	86.44	0.45
ALDER	2	8042.14*	Max WS	1061.69	269.77	275.04		275.41	0.004578	5.00	234.50	88.60	0.45
ALDER	2	7996.42*	Max WS	1061.69	269.59	274.84		275.21	0.004506	5.04	235.90	89.52	0.45
ALDER	2	7950.71*	Max WS	1061.62	269.41	274.64		275.01	0.004355	5.04	238.48	87.10	0.45
ALDER	2	7905	Max WS	1061.61	269.23	274.50	272.94	274.83	0.003846	4.85	265.19	110.99	0.42
ALDER	2	7800		Bridge									
ALDER	2	7730	Max WS	1061.69	268.03	273.29		273.69	0.005016	5.30	233.81	94.40	0.48
ALDER	2	7683.33*	Max WS	1061.64	267.77	272.87		273.42	0.006947	6.04	186.56	65.27	0.56
ALDER	2	7636.66*	Max WS	1061.64	267.51	272.55		273.11	0.006820	6.02	184.72	61.81	0.55
ALDER	2	7590	Max WS	1061.63	267.25	272.34		272.82	0.005472	5.62	197.45	61.80	0.50
ALDER	2	7545.*	Max WS	1061.63	266.83	272.05		272.57	0.006017	5.83	188.11	57.27	0.52
ALDER	2	7500.*	Max WS	1061.62	266.41	271.77		272.30	0.006007	5.86	185.73	54.32	0.52
ALDER	2	7455.*	Max WS	1061.62	265.99	271.55		272.04	0.005281	5.66	191.40	52.35	0.49
ALDER	2	7410	Max WS	1061.62	265.57	271.41		271.83	0.004093	5.25	205.73	51.07	0.44
ALDER	2	7368.75*	Max WS	1062.45	265.50	271.15		271.65	0.005056	5.70	190.94	50.49	0.49
ALDER	2	7327.5*	Max WS	1063.29	265.43	270.84		271.42	0.006122	6.16	178.72	50.10	0.53
ALDER	2	7286.25*	Max WS	1064.13	265.36	270.52		271.16	0.006974	6.52	171.11	50.34	0.57
ALDER	2	7245	Max WS	1064.97	265.29	270.22		270.89	0.007015	6.63	172.34	52.78	0.57
ALDER	2	7205.*	Max WS	1065.67	264.89	269.85		270.61	0.008316	7.14	164.81	53.64	0.62
ALDER	2	7165.*	Max WS	1066.36	264.49	269.48		270.29	0.009211	7.52	162.39	55.39	0.66
ALDER	2	7125	Max WS	1066.99	264.09	269.21		269.95	0.008372	7.40	173.10	59.07	0.63
ALDER	2	7085.*	Max WS	1066.98	264.08	269.14		269.63	0.005684	5.85	207.36	71.68	0.52
ALDER	2	7045.*	Max WS	1066.96	264.08	269.03		269.41	0.004669	5.04	232.37	84.46	0.46
ALDER	2	7005.*	Max WS	1066.95	264.08	268.91		269.22	0.004347	4.58	249.10	98.37	0.44
ALDER	2	6965	Max WS	1066.94	264.07	268.78		269.05	0.004334	4.27	268.49	126.64	0.43

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	6922.5*	Max WS	1079.02	263.59	268.54		268.86	0.004928	4.59	248.91	116.55	0.46
ALDER	2	6880.*	Max WS	1079.03	263.11	268.29		268.66	0.005463	4.87	230.99	109.12	0.48
ALDER	2	6837.5*	Max WS	1079.01	262.63	268.00		268.42	0.006142	5.19	213.92	86.92	0.51
ALDER	2	6795	Max WS	1079.00	262.15	267.68		268.15	0.006534	5.53	200.14	75.69	0.53
ALDER	2	6752.5*	Max WS	1081.07	261.76	267.33		267.86	0.007440	5.85	184.91	57.50	0.57
ALDER	2	6710.*	Max WS	1082.96	261.36	266.93		267.53	0.008117	6.21	176.38	58.31	0.59
ALDER	2	6667.5*	Max WS	1084.70	260.97	266.51		267.18	0.008945	6.61	170.66	62.11	0.63
ALDER	2	6625	Max WS	1086.81	260.58	266.45		266.86	0.005206	5.48	236.71	85.20	0.49
ALDER	2	6586.25*	Max WS	1097.57	260.38	266.19		266.66	0.005758	5.81	226.26	85.09	0.51
ALDER	2	6547.5*	Max WS	1096.80	260.18	265.91		266.44	0.006343	6.12	214.72	85.45	0.54
ALDER	2	6508.75*	Max WS	1094.58	259.98	265.60		266.19	0.007086	6.46	203.46	87.15	0.57
ALDER	2	6470	Max WS	1093.06	259.78	265.48	264.46	265.94	0.005607	5.91	236.34	102.35	0.51
ALDER	2	6400		Bridge									
ALDER	2	6320	Max WS	1084.24	258.60	265.14		265.37	0.002297	4.17	329.71	114.17	0.33
ALDER	2	6275.*	Max WS	1077.89	258.80	265.06		265.27	0.002032	3.92	338.26	108.07	0.32
ALDER	2	6230.*	Max WS	1074.64	259.00	265.00		265.18	0.001782	3.66	355.39	108.48	0.30
ALDER	2	6185	Max WS	1074.61	259.20	264.94		265.10	0.001568	3.43	376.12	110.78	0.28
ALDER	2	6145.*	Max WS	1629.09	258.97	264.04		264.75	0.008399	7.03	262.00	90.09	0.63
ALDER	2	6105.*	Max WS	1629.07	258.75	263.54		264.40	0.011508	7.78	241.64	96.46	0.72
ALDER	2	6065	Max WS	1629.06	258.52	262.99		263.91	0.014453	8.20	240.14	109.35	0.80
ALDER	2	6021.25*	Max WS	1632.38	258.33	262.60		263.31	0.011380	7.11	272.99	132.89	0.70
ALDER	2	5977.5*	Max WS	1632.17	258.14	262.35		262.86	0.007963	5.99	320.33	157.10	0.59
ALDER	2	5933.75*	Max WS	1632.15	257.96	262.20		262.56	0.005204	4.97	384.16	183.51	0.48
ALDER	2	5890	Max WS	1632.13	257.77	262.11		262.36	0.003369	4.15	468.85	250.95	0.39
ALDER	2	5841.50*	Max WS	1632.52	257.25	261.94		262.21	0.003352	4.33	446.38	201.73	0.39
ALDER	2	5793.01*	Max WS	1632.90	256.72	261.74		262.05	0.003534	4.60	419.69	172.41	0.41
ALDER	2	5744.51*	Max WS	1633.29	256.20	261.51		261.87	0.004046	5.06	384.87	152.48	0.44
ALDER	2	5696.02*	Max WS	1633.68	255.67	261.19		261.67	0.005235	5.81	338.44	133.43	0.50
ALDER	2	5647.53	Max WS	1634.07	255.15	260.59		261.38	0.009382	7.48	263.34	109.29	0.66
ALDER	2	5605.44*	Max WS	1634.43	255.15	260.40		260.99	0.007454	6.41	298.25	127.95	0.58
ALDER	2	5563.35*	Max WS	1634.78	255.15	260.23		260.69	0.006136	5.63	333.52	144.92	0.53
ALDER	2	5521.26*	Max WS	1635.13	255.15	260.07		260.44	0.005263	5.05	366.96	159.85	0.48
ALDER	2	5479.17*	Max WS	1635.49	255.15	259.92		260.23	0.004571	4.58	401.03	174.09	0.45
ALDER	2	5437.08*	Max WS	1635.85	255.15	259.79		260.04	0.004062	4.21	433.46	187.39	0.42
ALDER	2	5395	Max WS	1635.88	255.15	259.66		259.88	0.003657	3.90	465.19	200.79	0.40
ALDER	2	5351.42*	Max WS	1690.76	254.95	259.43		259.70	0.004309	4.29	444.75	191.93	0.43
ALDER	2	5307.85*	Max WS	1690.75	254.74	259.21		259.51	0.004779	4.58	426.15	185.72	0.46
ALDER	2	5264.28*	Max WS	1690.73	254.54	258.94		259.29	0.005662	5.00	402.42	183.00	0.50
ALDER	2	5220.71*	Max WS	1690.71	254.34	258.60		259.02	0.007477	5.67	372.36	190.60	0.57
ALDER	2	5177.14*	Max WS	1690.68	254.14	258.09		258.65	0.011515	6.71	343.41	219.24	0.70
ALDER	2	5133.57*	Max WS	1690.66	253.93	257.79		258.16	0.009320	6.01	402.69	225.39	0.63
ALDER	2	5090	Max WS	1690.64	253.73	257.63	256.59	257.82	0.004983	4.53	522.32	241.24	0.46
ALDER	2	5000		Bridge									
ALDER	2	4965	Max WS	1690.64	253.15	256.81		257.07	0.005304	4.30	460.27	239.74	0.47
ALDER	2	4922.5*	Max WS	1690.58	252.85	256.55		256.84	0.005678	4.60	442.95	234.23	0.49
ALDER	2	4880.*	Max WS	1690.85	252.55	256.25		256.59	0.006438	5.00	414.38	220.81	0.52
ALDER	2	4837.5*	Max WS	1691.12	252.26	255.88		256.30	0.008075	5.62	375.84	229.76	0.58
ALDER	2	4795	Max WS	1691.27	251.96	255.50		255.94	0.008918	5.90	357.78	382.30	0.61
ALDER	2	4758.33*	Max WS	1742.88	251.55	254.92		255.55	0.012800	6.80	305.24	251.57	0.73
ALDER	2	4721.66*	Max WS	1743.10	251.15	254.52		255.09	0.011301	6.43	316.67	162.37	0.68
ALDER	2	4685	Max WS	1743.32	250.74	254.25		254.71	0.008671	5.82	354.15	174.46	0.61
ALDER	2	4639.*	Max WS	1743.48	250.11	253.67		254.28	0.010479	6.39	296.84	141.60	0.67
ALDER	2	4593.*	Max WS	1743.33	249.48	253.36		253.85	0.007429	5.72	328.02	132.31	0.57
ALDER	2	4547.*	Max WS	1743.80	248.86	253.25		253.57	0.004177	4.70	434.31	217.10	0.44
ALDER	2	4501.*	Max WS	1744.25	248.23	253.23		253.41	0.002053	3.63	605.56	291.16	0.31
ALDER	2	4455	Max WS	1744.69	247.60	253.24		253.32	0.000948	2.69	887.34	337.88	0.22
ALDER	2	4406.66*	Max WS	1749.79	247.58	253.09		253.27	0.001735	3.61	579.04	179.07	0.29
ALDER	2	4358.33*	Max WS	1749.77	247.55	252.87		253.17	0.002867	4.56	427.90	125.82	0.38
ALDER	2	4310	Max WS	1749.74	247.53	252.47		252.99	0.005170	5.86	313.74	85.20	0.50
ALDER	2	4271.25	Max WS	1749.26	246.65	252.27		252.81	0.005000	6.23	322.90	86.62	0.50
ALDER	3	4232.5	Max WS	1855.40	246.21	252.06		252.58	0.006576	7.58	346.89	88.81	0.58
ALDER	3	4193.75*	Max WS	1855.39	245.99	251.85		252.33	0.006150	7.17	357.64	90.67	0.55
ALDER	3	4155	Max WS	1855.38	245.77	251.66		252.10	0.005718	6.78	369.74	92.67	0.53
ALDER	3	4118.33*	Max WS	1855.50	245.51	251.39		251.90	0.006598	7.56	360.20	101.58	0.57
ALDER	3	4081.66*	Max WS	1855.61	245.25	251.15		251.67	0.006077	7.49	360.43	97.94	0.56
ALDER	3	4045	Max WS	1855.22	244.99	251.01		251.47	0.004840	6.92	390.07	101.86	0.50
ALDER	3	4002.5*	Max WS	1855.36	244.99	250.82		251.26	0.004793	6.73	398.68	110.62	0.50
ALDER	3	3960.*	Max WS	1855.49	244.99	250.62		251.06	0.004880	6.61	410.70	126.39	0.50
ALDER	3	3917.5*	Max WS	1854.83	244.99	250.46		250.86	0.004713	6.35	470.56	192.29	0.49
ALDER	3	3875	Max WS	1854.97	244.99	250.47		250.65	0.002263	4.39	653.64	217.94	0.34
ALDER	3	3827.5*	Max WS	1855.12	244.99	250.34		250.54	0.002563	4.56	625.48	217.84	0.36
ALDER	3	3780.*	Max WS	1855.25	244.99	250.21		250.42	0.002812	4.65	607.23	218.34	0.37
ALDER	3	3732.5*	Max WS	1855.35	244.99	250.09		250.28	0.002808	4.54	616.66	224.62	0.37
ALDER	3	3685	Max WS	1855.44	244.99	250.08		250.16	0.001329	3.10	893.61	297.16	0.26
ALDER	3	3635.83*	Max WS	1855.51	244.75	249.97		250.10	0.001699	3.53	757.54	255.12	0.29
ALDER	3	3586.66*	Max WS	1855.06	244.52	249.85		250.02	0.001975	3.82	668.07	230.15	0.31
ALDER	3	3537.5*	Max WS	1855.22	244.28	249.73		249.92	0.002018	3.88	616.31	210.44	0.32
ALDER	3	3488.33*	Max WS	1855.36	244.04	249.63		249.82	0.001842	3.74	597.47	196.87	0.30
ALDER	3	3439.16*	Max WS	1855.51	243.81	249.56		249.74	0.001537	3.46	607.88	181.13	0.28
ALDER	3	3390	Max WS	1855.65	243.57	249.52		249.67	0.001216	3.13	643.79	166.97	0.25
ALDER	3	3341.87*	Max WS	1867.64	243.61	249.45		249.61	0.001305	3.20	636.79	173.75	0.26

HEC-RAS Plan: DEV10YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	3293.75*	Max WS	1867.78	243.64	249.39		249.54	0.001356	3.22	636.71	180.89	0.26
ALDER	3	3245.62*	Max WS	1867.91	243.68	249.32		249.48	0.001384	3.22	643.07	186.11	0.26
ALDER	3	3197.5*	Max WS	1868.04	243.71	249.26		249.41	0.001381	3.19	654.84	188.29	0.26
ALDER	3	3149.37*	Max WS	1868.17	243.75	249.20		249.34	0.001348	3.14	672.39	191.86	0.26
ALDER	3	3101.25*	Max WS	1868.30	243.79	249.15		249.28	0.001279	3.05	698.93	196.89	0.25
ALDER	3	3053.12*	Max WS	1868.43	243.82	249.10		249.22	0.001172	2.92	736.59	202.80	0.24
ALDER	3	3005	Max WS	1868.56	243.86	249.07		249.17	0.001035	2.75	790.89	213.85	0.23
ALDER	3	3000	Max WS	1875.28	243.86	249.06	246.43	249.16	0.001048	2.77	789.43	213.75	0.23
ALDER	3	2900		Bridge									
ALDER	3	2850.	Max WS	1875.28	243.89	248.35		248.65	0.003343	4.46	451.39	138.57	0.40
ALDER	3	2800.*	Max WS	1875.42	243.90	248.07		248.46	0.004692	5.07	394.20	127.47	0.46
ALDER	3	2750	Max WS	1875.57	243.91	247.57		248.15	0.008355	6.22	317.05	114.13	0.61
ALDER	3	2704.*	Max WS	1885.56	243.45	247.15		247.76	0.008972	6.40	313.80	118.57	0.63
ALDER	3	2658.*	Max WS	1885.48	242.99	246.72		247.36	0.009528	6.55	313.12	125.48	0.65
ALDER	3	2612.*	Max WS	1885.47	242.53	246.32		246.94	0.009469	6.52	324.60	136.30	0.64
ALDER	3	2566.*	Max WS	1885.45	242.07	246.05		246.55	0.007667	6.01	367.03	152.18	0.58
ALDER	3	2520	Max WS	1885.42	241.61	245.91		246.25	0.004925	5.06	453.27	176.94	0.47
ALDER	3	2475.*	Max WS	1885.39	241.12	245.63		246.02	0.005502	5.44	418.76	155.65	0.50
ALDER	3	2430.*	Max WS	1885.35	240.63	245.34		245.78	0.006080	5.80	400.09	154.08	0.53
ALDER	3	2385.*	Max WS	1885.30	240.13	245.04		245.53	0.006685	6.16	391.71	167.41	0.56
ALDER	3	2340.*	Max WS	1885.13	239.64	244.74		245.26	0.006960	6.39	395.01	182.72	0.57
ALDER	3	2295	Max WS	1885.13	239.15	244.46		244.95	0.006655	6.37	409.42	186.79	0.56
ALDER	3	2245.*	Max WS	1885.11	239.15	244.31		244.65	0.004220	5.22	478.20	183.72	0.45
ALDER	3	2195.*	Max WS	1885.10	239.14	244.25		244.46	0.002450	4.16	587.99	196.18	0.35
ALDER	3	2145	Max WS	1885.09	239.14	244.23		244.35	0.001292	3.19	755.74	213.57	0.26
ALDER	3	2101.66*	Max WS	1913.01	239.14	244.13		244.29	0.001895	3.78	666.94	197.89	0.31
ALDER	3	2058.33*	Max WS	1913.00	239.14	243.98		244.19	0.002877	4.53	575.59	181.07	0.38
ALDER	3	2015	Max WS	1912.98	239.14	243.73		244.04	0.004907	5.67	475.28	159.94	0.49
ALDER	3	1969.*	Max WS	1913.53	238.77	243.46		243.82	0.005362	5.86	452.80	161.22	0.51
ALDER	3	1923.*	Max WS	1914.08	238.39	243.17		243.58	0.005850	6.02	430.28	162.94	0.53
ALDER	3	1877.*	Max WS	1914.62	238.02	242.84		243.32	0.006509	6.21	405.46	167.25	0.55
ALDER	3	1831.*	Max WS	1915.16	237.64	242.47		243.02	0.007379	6.40	374.78	170.24	0.58
ALDER	3	1785	Max WS	1915.69	237.27	242.08		242.70	0.008321	6.56	343.55	167.67	0.61
ALDER	3	1740.*	Max WS	1916.08	236.84	241.77		242.35	0.008054	6.37	354.65	179.47	0.60
ALDER	3	1695.*	Max WS	1916.61	236.41	241.48		242.02	0.007347	6.07	372.94	192.05	0.57
ALDER	3	1650.*	Max WS	1917.12	235.98	241.25		241.71	0.006154	5.64	405.50	207.66	0.53
ALDER	3	1605.*	Max WS	1917.62	235.55	241.08		241.45	0.004741	5.10	453.82	219.16	0.47
ALDER	3	1560	Max WS	1918.11	235.12	240.98		241.26	0.003307	4.46	526.24	232.32	0.39
ALDER	3	1511.42*	Max WS	1918.63	235.01	240.76		241.10	0.003872	4.86	468.78	205.91	0.43
ALDER	3	1462.85*	Max WS	1919.16	234.90	240.54		240.91	0.004198	5.09	436.27	161.25	0.45
ALDER	3	1414.28*	Max WS	1919.70	234.79	240.30		240.70	0.004546	5.32	415.66	141.96	0.46
ALDER	3	1365.71*	Max WS	1920.25	234.69	240.04		240.48	0.004983	5.59	396.42	129.22	0.49
ALDER	3	1317.14*	Max WS	1920.81	234.58	239.74		240.23	0.005679	5.95	374.17	119.89	0.52
ALDER	3	1268.57*	Max WS	1921.38	234.47	239.37		239.94	0.006908	6.47	345.37	111.16	0.57
ALDER	3	1220	Max WS	1921.55	234.36	238.78		239.55	0.010473	7.57	295.81	101.56	0.69
ALDER	3	1175.*	Max WS	1940.13	233.55	238.21		239.07	0.010828	7.83	282.94	95.35	0.71
ALDER	3	1130.*	Max WS	1940.11	232.73	237.76		238.60	0.009675	7.67	283.59	91.41	0.67
ALDER	3	1085	Max WS	1940.09	231.92	237.44		238.20	0.007643	7.19	298.70	89.78	0.61
ALDER	3	1057.5*	Max WS	1940.08	231.36	236.71		237.97	0.016550	9.01	215.34	61.17	0.85
ALDER	3	1030	Max WS	1940.08	230.81	236.77	235.35	237.54	0.008095	7.03	275.78	65.66	0.60
ALDER	3	1000		Bridge									
ALDER	3	945	Max WS	1939.25	229.78	236.52		236.93	0.003997	5.14	377.55	87.36	0.44
ALDER	3	910.*	Max WS	1939.25	229.89	236.48		236.80	0.003016	4.52	429.48	97.83	0.38
ALDER	3	875	Max WS	1933.24	230.00	236.45	233.56	236.70	0.002371	3.98	485.61	111.45	0.34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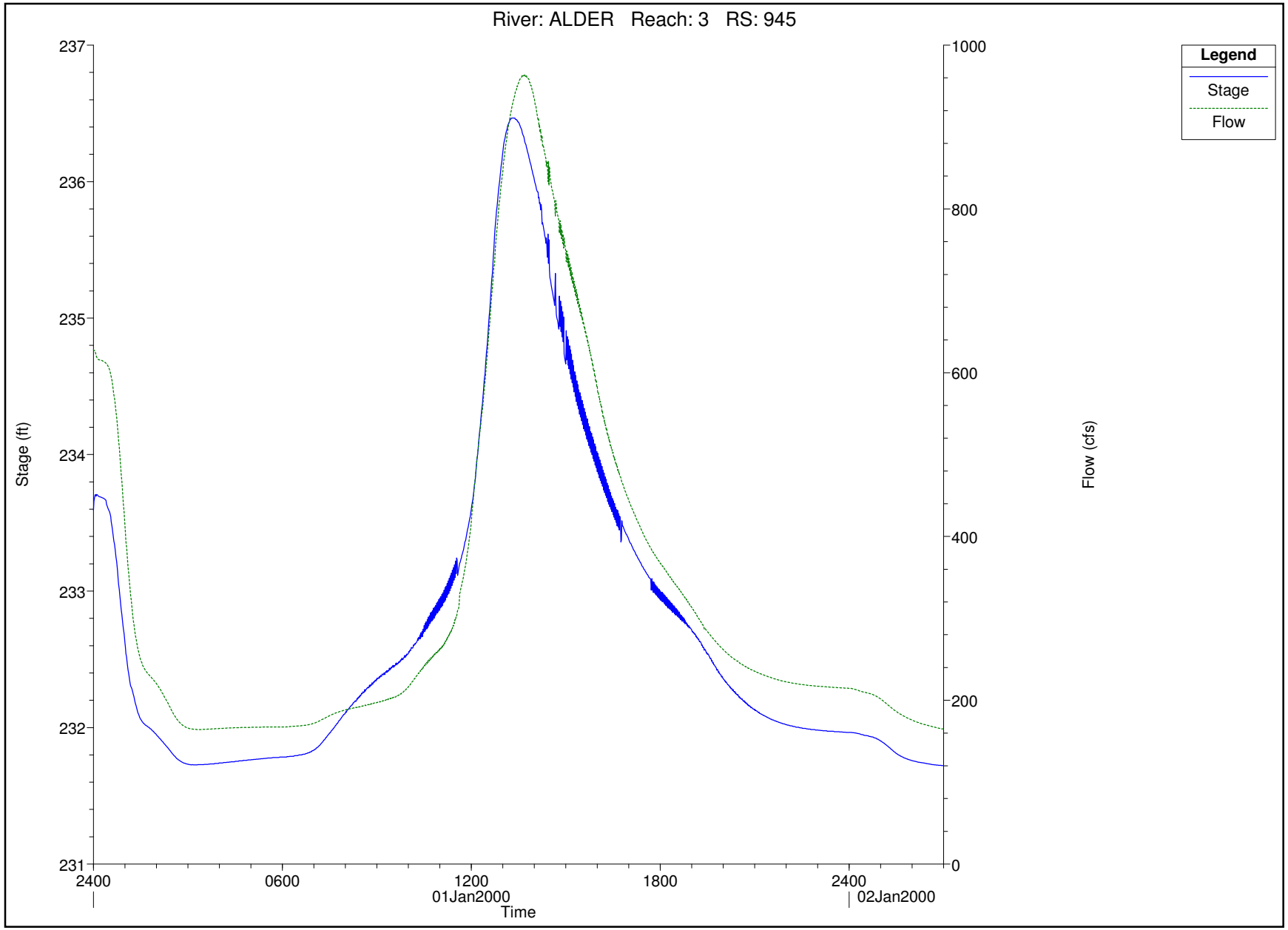
Legend
Stage HW
Stage TW
Flow
Stage (ft)
Flow (cfs)
430
429
428
427
426
425
424
423
40
35
30
25
20
15
10
5
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time


River: ALDER Reach: 3 RS: 945
Legend
Stage
Flow
Stage (ft)
Flow (cfs)
237
236
235
234
233
232
231
1000
800
600
400
200
0
2400
0600
1200
1800
2400
01Jan2000
02Jan2000
Time

HEC-RAS Plan: DEV2YR24HR Profile: Max WS

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB4	1	2160	Max WS	72.70	267.93	268.45		268.53	0.014976	2.22	32.82	73.35	0.58
TRIB4	1	2123.33*	Max WS	72.70	267.25	268.02		268.14	0.023144	2.75	26.48	59.48	0.72
TRIB4	1	2086.66*	Max WS	72.70	266.58	267.35	267.40	267.65	0.059896	4.40	16.51	37.21	1.17
TRIB4	1	2050	Max WS	72.70	265.90	266.61	266.68	266.87	0.087470	4.12	17.64	58.30	1.32
TRIB4	1	2010.*	Max WS	72.88	265.02	265.80	265.94	266.24	0.144070	5.30	13.76	45.38	1.69
TRIB4	1	1970.*	Max WS	73.05	264.15	265.11	265.19	265.44	0.085848	4.58	15.94	44.24	1.35
TRIB4	1	1930.*	Max WS	73.23	263.27	264.46	264.47	264.68	0.047555	3.77	19.40	46.21	1.03
TRIB4	1	1890	Max WS	73.41	262.40	263.78		263.92	0.025506	2.96	24.83	53.35	0.76
TRIB4	1	1848.*	Max WS	73.59	261.50	263.07		263.20	0.022683	2.92	25.20	50.52	0.73
TRIB4	1	1806.*	Max WS	73.77	260.59	262.13		262.31	0.033356	3.40	21.69	46.14	0.87
TRIB4	1	1764.*	Max WS	73.96	259.69	261.28		261.44	0.022476	3.16	23.40	41.18	0.74
TRIB4	1	1722.*	Max WS	74.14	258.78	260.29		260.50	0.030050	3.73	19.88	33.82	0.86
TRIB4	1	1680	Max WS	74.33	257.88	259.56		259.69	0.012942	2.82	26.38	36.21	0.58
TRIB4	1	1630.*	Max WS	74.32	257.07	258.91		259.14	0.017685	3.86	19.23	20.82	0.71
TRIB4	1	1580.*	Max WS	74.32	256.25	257.67	257.67	258.02	0.038722	4.75	15.66	22.51	1.00
TRIB4	1	1530	Max WS	59.97	255.44	256.76		256.80	0.005115	1.72	34.88	50.67	0.37
TRIB4	1	1492.39*	Max WS	74.32	254.70	256.31		256.45	0.019995	3.03	24.55	42.45	0.70
TRIB4	1	1454.79*	Max WS	74.32	253.97	256.01		256.10	0.005746	2.37	31.33	30.54	0.41
TRIB4	1	1417.19	Max WS	74.43	253.23	255.84		255.95	0.002474	2.59	28.76	39.59	0.31
TRIB4	1	1300		Culvert									
TRIB4	1	1155	Max WS	74.40	248.82	250.88		251.01	0.003166	2.80	26.54	51.48	0.35
TRIB4	1	1127.5*	Max WS	74.40	248.82	250.92		250.93	0.000326	0.81	91.63	51.69	0.11
TRIB4	1	1100	Max WS	74.39	248.82	250.91		250.92	0.000331	0.82	91.20	51.64	0.11
TRIB3	1	3003.87	Max WS	120.11	339.76	340.54	340.58	340.81	0.038989	4.68	31.40	77.46	1.01
TRIB3	1	2960.91*	Max WS	120.11	338.87	339.73	339.78	340.04	0.039634	4.86	28.46	59.10	1.02
TRIB3	1	2917.95*	Max WS	120.11	337.98	338.87	338.91	339.19	0.042888	4.90	27.46	55.72	1.06
TRIB3	1	2875	Max WS	110.87	337.09	338.38		338.47	0.007218	2.63	48.42	68.30	0.46
TRIB3	1	2830.83*	Max WS	136.67	336.41	338.29		338.34	0.002366	2.06	80.79	79.41	0.29
TRIB3	1	2786.66*	Max WS	166.07	335.72	338.26		338.29	0.000956	1.64	126.91	92.87	0.19
TRIB3	1	2742.5*	Max WS	195.43	335.04	338.25		338.27	0.000457	1.35	184.19	105.61	0.14
TRIB3	1	2698.33*	Max WS	225.75	334.36	338.25		338.26	0.000254	1.16	250.22	117.50	0.11
TRIB3	1	2654.16*	Max WS	261.94	333.67	338.24		338.25	0.000166	1.04	325.98	131.74	0.09
TRIB3	1	2610	Max WS	288.99	332.99	337.97		338.36	0.003250	5.02	57.62	137.98	0.40
TRIB3	1	2500		Culvert									
TRIB3	1	2465.	Max WS	288.99	330.68	333.21	333.43	334.71	0.034319	9.85	29.35	70.01	1.15
TRIB3	1	2416.66*	Max WS	290.80	329.91	332.01		332.45	0.019461	5.84	57.83	54.90	0.82
TRIB3	1	2368.33*	Max WS	285.19	329.14	331.31		331.72	0.017291	5.58	58.91	54.40	0.77
TRIB3	1	2320	Max WS	289.38	328.37	330.57		331.01	0.018730	5.75	57.42	53.32	0.80
TRIB3	1	2272.14*	Max WS	292.68	327.46	330.18		330.41	0.006613	4.21	82.97	59.02	0.50
TRIB3	1	2224.29*	Max WS	295.03	326.54	330.09		330.19	0.002013	2.91	127.50	69.51	0.29
TRIB3	1	2176.44*	Max WS	296.38	325.63	330.07		330.11	0.000783	2.17	190.06	92.74	0.19
TRIB3	1	2128.58*	Max WS	297.22	324.71	330.06		330.08	0.000330	1.63	271.35	112.91	0.13
TRIB3	1	2080.73*	Max WS	297.96	323.80	330.06		330.07	0.000152	1.24	376.59	136.22	0.09
TRIB3	1	2032.88*	Max WS	298.62	322.88	330.06		330.06	0.000073	0.95	478.15	135.55	0.06
TRIB3	1	1985.03	Max WS	299.20	321.97	330.06		330.06	0.000045	0.81	559.20	131.62	0.05
TRIB3	1	1943.02*	Max WS	299.67	321.74	330.05		330.06	0.000039	0.78	579.45	130.81	0.05
TRIB3	1	1901.01*	Max WS	300.16	321.51	330.05		330.06	0.000034	0.74	606.66	133.09	0.05
TRIB3	1	1859.01*	Max WS	300.67	321.27	330.05		330.06	0.000029	0.70	644.60	137.17	0.04
TRIB3	1	1817.00*	Max WS	301.18	321.04	330.05		330.06	0.000024	0.64	695.76	143.73	0.04
TRIB3	1	1775	Max WS	301.73	320.81	330.05		330.05	0.000020	0.59	776.59	164.16	0.03
TRIB3	1	1731.25*	Max WS	302.36	320.51	330.05		330.05	0.000017	0.56	819.98	167.38	0.03
TRIB3	1	1687.5*	Max WS	303.03	320.21	330.05		330.05	0.000015	0.53	870.03	171.22	0.03
TRIB3	1	1643.75*	Max WS	303.69	319.90	330.05		330.05	0.000012	0.50	925.73	175.67	0.03
TRIB3	1	1600	Max WS	301.00	319.60	330.01		330.09	0.000252	2.31	131.95	179.83	0.13
TRIB3	1	1500		Culvert									
TRIB3	1	1370	Max WS	301.00	316.30	318.62	319.15	320.64	0.051573	11.52	26.59	72.20	1.40
TRIB3	1	1325.*	Max WS	300.55	315.33	317.05		317.43	0.023017	5.89	64.25	67.57	0.87
TRIB3	1	1280.*	Max WS	300.36	314.36	316.16	316.16	316.59	0.025210	6.13	62.84	71.78	0.91
TRIB3	1	1235.*	Max WS	302.88	313.39	315.28	315.34	315.76	0.026786	6.32	61.72	75.64	0.94
TRIB3	1	1190.*	Max WS	309.25	312.42	314.41	314.52	314.95	0.028091	6.50	60.59	78.67	0.96
TRIB3	1	1145.*	Max WS	313.77	311.45	313.58	313.65	314.09	0.024355	6.18	63.01	79.95	0.90
TRIB3	1	1100	Max WS	315.28	310.48	313.10		313.32	0.007954	4.15	97.24	97.66	0.54
TRIB3	1	1053.*	Max WS	316.23	310.03	312.70		312.97	0.009195	4.50	85.86	80.47	0.58
TRIB3	1	1006.*	Max WS	316.76	309.59	312.27		312.57	0.010143	4.71	80.74	74.97	0.61
TRIB3	1	959.*	Max WS	316.74	309.14	311.80		312.12	0.011187	4.87	78.51	76.44	0.64
TRIB3	1	912.*	Max WS	316.80	308.70	311.34		311.64	0.011024	4.76	81.12	77.14	0.63
TRIB3	1	865	Max WS	317.77	308.25	310.62	310.60	311.04	0.019769	5.65	67.81	72.92	0.82
TRIB3	1	815.*	Max WS	318.22	307.37	309.75	309.74	310.18	0.019117	5.75	67.92	72.03	0.81
TRIB3	1	765.*	Max WS	318.43	306.49	308.91		309.34	0.017916	5.78	68.96	71.32	0.79
TRIB3	1	715.*	Max WS	318.42	305.60	308.02	307.88	308.49	0.019227	6.10	66.50	69.95	0.82
TRIB3	1	665.*	Max WS	318.31	304.72	307.12	307.03	307.59	0.019218	6.17	63.28	61.18	0.82
TRIB3	1	615.*	Max WS	318.22	303.84	306.21	306.15	306.70	0.019947	6.34	61.85	64.56	0.84
TRIB3	1	565	Max WS	320.61	302.96	305.22	305.24	305.77	0.024967	6.90	58.80	59.91	0.93
TRIB3	1	517.5*	Max WS	324.96	301.49	304.09	304.25	304.96	0.028508	8.24	48.79	40.96	1.03
TRIB3	1	470.*	Max WS	326.74	300.02	302.77	303.06	303.84	0.032638	9.13	45.91	41.66	1.10
TRIB3	1	422.5*	Max WS	326.72	298.54	301.39	301.70	302.47	0.034353	9.46	45.69	40.12	1.13
TRIB3	1	375	Max WS	326.94	297.07	299.90	300.21	301.02	0.040601	9.94	44.00	37.89	1.20
TRIB3	1	325.*	Max WS	327.50	295.34	298.19	298.53	299.38	0.039997	10.17	42.81	35.14	1.21
TRIB3	1	275.*	Max WS	327.48	293.61	296.48	296.83	297.72	0.038960	10.32	41.77	32.49	1.21
TRIB3	1	225.*	Max WS	327.54	291.89	294.72	295.10	296.07	0.041011	10.72	39.78	29.93	1.25
TRIB3	1	175	Max WS	322.55	290.16	293.36	293.35	294.14	0.019747	8.37	51.18	32.41	0.89

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2B	1	2946.25	Max WS	108.48	470.79	471.70	471.72	471.95	0.031755	4.38	28.21	64.21	1.05
TRIB2B	1	2903.43*	Max WS	108.05	469.43	470.44	470.49	470.75	0.029658	4.81	26.66	58.41	1.05
TRIB2B	1	2860.62*	Max WS	107.81	468.07	469.19	469.30	469.61	0.031311	5.54	23.76	51.46	1.11
TRIB2B	1	2817.81*	Max WS	107.59	466.70	468.04	468.16	468.50	0.026153	5.95	23.57	45.91	1.05
TRIB2B	1	2775	Max WS	107.51	465.34	466.93	467.15	467.50	0.029060	7.15	22.34	41.26	1.13
TRIB2B	1	2733.75*	Max WS	107.65	464.10	465.78	465.94	466.45	0.028515	7.18	19.17	27.51	1.13
TRIB2B	1	2692.5*	Max WS	107.20	462.86	464.62	464.80	465.33	0.028396	7.05	17.74	23.15	1.13
TRIB2B	1	2651.25*	Max WS	106.69	461.63	463.43	463.60	464.15	0.030037	6.96	16.62	20.27	1.15
TRIB2B	1	2610	Max WS	106.02	460.39	462.29	462.37	462.92	0.026438	6.43	17.16	19.11	1.07
TRIB2B	1	2565.*	Max WS	105.65	459.32	461.13	461.21	461.73	0.025905	6.28	17.56	20.17	1.06
TRIB2B	1	2520.*	Max WS	105.63	458.24	459.97	460.06	460.56	0.025998	6.19	17.87	21.19	1.06
TRIB2B	1	2475.*	Max WS	105.57	457.17	458.83	458.90	459.39	0.025558	6.06	18.37	22.57	1.05
TRIB2B	1	2430.*	Max WS	105.50	456.09	457.66	457.75	458.23	0.027440	6.09	18.31	23.70	1.08
TRIB2B	1	2385.*	Max WS	105.37	455.02	456.59	456.61	457.05	0.021199	5.52	20.64	26.65	0.95
TRIB2B	1	2340	Max WS	105.24	453.94	455.30	455.47	455.94	0.038038	6.52	17.17	26.01	1.24
TRIB2B	1	2291.87*	Max WS	105.14	452.05	453.56	453.72	454.23	0.036370	6.61	16.49	22.05	1.22
TRIB2B	1	2243.75*	Max WS	105.05	450.16	451.80	451.98	452.53	0.037631	6.86	15.64	19.18	1.24
TRIB2B	1	2195.63*	Max WS	104.95	448.26	450.07	450.22	450.80	0.034340	6.84	15.56	17.34	1.20
TRIB2B	1	2147.51*	Max WS	104.86	446.37	448.27	448.48	449.13	0.041786	7.45	14.15	14.99	1.31
TRIB2B	1	2099.39	Max WS	104.74	444.48	446.71	446.74	447.36	0.024142	6.47	16.39	14.92	1.02
TRIB2B	1	2049.51*	Max WS	104.55	443.44	445.51	445.55	446.12	0.024220	6.28	16.90	16.44	1.02
TRIB2B	1	1999.63*	Max WS	104.33	442.39	444.34	444.36	444.90	0.023192	6.01	17.71	18.37	1.00
TRIB2B	1	1949.75*	Max WS	104.13	441.35	443.12	443.18	443.69	0.026153	6.05	17.59	20.12	1.05
TRIB2B	1	1899.87*	Max WS	104.06	440.30	442.14		442.49	0.013793	4.81	23.26	28.32	0.78
TRIB2B	1	1850	Max WS	103.66	439.26	441.92		441.96	0.000838	1.74	78.82	62.86	0.21
TRIB2B	1	1812.95*	Max WS	103.14	438.45	441.92		441.93	0.000251	1.21	115.20	62.50	0.12
TRIB2B	1	1775.91	Max WS	102.61	437.64	441.80		441.95	0.001152	3.08	34.12	64.48	0.28
TRIB2B	1	1500		Culvert									
TRIB2B	1	1492.23	Max WS	102.61	432.00	434.19	434.18	434.97	0.020390	7.10	14.44	18.29	0.99
TRIB2B	1	1444.15*	Max WS	102.55	431.20	433.28		433.71	0.018728	5.25	19.55	18.89	0.89
TRIB2B	1	1396.08*	Max WS	102.52	430.40	432.41		432.81	0.018532	5.04	20.34	20.04	0.88
TRIB2B	1	1348.00*	Max WS	102.51	429.59	431.54		431.92	0.018484	4.93	20.80	21.20	0.88
TRIB2B	1	1299.93	Max WS	102.49	428.79	430.69		431.04	0.017750	4.76	21.55	22.54	0.86
TRIB2B	1	1249.93*	Max WS	102.46	427.92	429.82		430.16	0.017132	4.69	21.83	22.69	0.84
TRIB2B	1	1199.93*	Max WS	102.42	427.04	428.93		429.29	0.018232	4.80	21.32	22.41	0.87
TRIB2B	1	1149.93*	Max WS	102.07	426.17	428.11		428.43	0.015615	4.52	22.56	23.09	0.81
TRIB2B	1	1099.93	Max WS	101.95	425.29	427.83		427.91	0.002511	2.41	51.32	62.83	0.35
TRIB2	1	8691.55	Max WS	15.93	486.56	486.95	487.01	487.17	0.083943	3.73	4.27	20.86	1.46
TRIB2	1	8665.77*	Max WS	15.93	485.14	485.63	485.69	485.86	0.068777	3.88	4.11	16.33	1.36
TRIB2	1	8640	Max WS	15.93	483.72	484.44	484.53	484.77	0.062137	4.63	3.44	9.59	1.36
TRIB2	1	8593.75*	Max WS	16.00	482.59	483.28	483.33	483.53	0.049257	4.05	3.95	11.34	1.21
TRIB2	1	8547.5*	Max WS	17.43	481.46	482.07	482.14	482.36	0.060354	4.29	4.06	12.50	1.33
TRIB2	1	8501.25*	Max WS	16.14	480.32	481.31		481.35	0.002688	1.43	11.32	18.59	0.31
TRIB2	1	8455	Max WS	16.99	479.19	479.61	479.73	479.99	0.118561	4.93	3.44	14.33	1.77
TRIB2	1	8409.*	Max WS	18.12	476.28	476.83	476.92	477.17	0.077799	4.66	3.89	12.82	1.49
TRIB2	1	8363.*	Max WS	19.69	473.37	473.95	474.14	474.58	0.141663	6.40	3.08	9.87	2.02
TRIB2	1	8317.*	Max WS	21.37	470.45	471.15	471.37	471.86	0.128081	6.75	3.17	8.63	1.96
TRIB2	1	8271.*	Max WS	22.84	467.54	468.27	468.62	469.58	0.232141	9.18	2.49	6.61	2.64
TRIB2	1	8225	Max WS	23.92	464.63	465.68	465.89	466.36	0.077760	6.62	3.62	6.76	1.59
TRIB2	1	8182.5*	Max WS	24.59	463.19	464.16	464.37	464.83	0.079456	6.58	3.74	7.24	1.61
TRIB2	1	8140.*	Max WS	25.49	461.75	462.66	462.86	463.30	0.076560	6.42	3.97	7.81	1.59
TRIB2	1	8097.5*	Max WS	26.40	460.32	461.16	461.38	461.85	0.086573	6.66	3.96	8.12	1.68
TRIB2	1	8055.*	Max WS	27.28	458.88	459.72	459.90	460.30	0.069131	6.08	4.49	8.92	1.51
TRIB2	1	8012.5*	Max WS	28.19	457.44	458.20	458.43	458.92	0.094833	6.79	4.15	8.88	1.75
TRIB2	1	7970	Max WS	28.76	456.00	456.86	456.96	457.28	0.046795	5.20	5.53	10.42	1.26
TRIB2	1	7925.02*	Max WS	29.18	455.00	455.88	455.97	456.29	0.045407	5.08	5.74	10.96	1.24
TRIB2	1	7880.04*	Max WS	29.88	454.00	454.90	454.99	455.30	0.046063	5.07	5.90	11.43	1.24
TRIB2	1	7835.06*	Max WS	30.53	453.00	453.94	454.01	454.30	0.041740	4.84	6.31	12.20	1.19
TRIB2	1	7790.08*	Max WS	31.10	452.00	452.93	453.03	453.33	0.048608	5.08	6.12	12.36	1.27
TRIB2	1	7745.10*	Max WS	31.37	451.00	452.06	452.04	452.30	0.026234	3.96	7.93	14.68	0.95
TRIB2	1	7700.13	Max WS	31.93	450.00	450.86	451.04	451.44	0.084618	6.11	5.23	12.15	1.64
TRIB2	1	7653.10*	Max WS	32.46	448.22	449.13	449.31	449.71	0.078975	6.12	5.30	11.65	1.60
TRIB2	1	7606.07*	Max WS	32.89	446.44	447.39	447.59	448.02	0.082105	6.39	5.15	10.88	1.64
TRIB2	1	7559.05*	Max WS	33.11	444.65	445.72	445.87	446.25	0.060819	5.87	5.64	10.73	1.43
TRIB2	1	7512.02*	Max WS	33.23	442.87	443.95	444.18	444.66	0.078844	6.73	4.94	9.25	1.62
TRIB2	1	7465	Max WS	32.98	441.09	442.63		442.88	0.017619	3.98	8.28	10.94	0.81
TRIB2	1	7421.*	Max WS	31.94	440.56	442.02		442.23	0.015931	3.67	8.71	12.22	0.77
TRIB2	1	7377.*	Max WS	31.16	440.04	441.38		441.58	0.015980	3.55	8.80	13.33	0.76
TRIB2	1	7333.*	Max WS	30.83	439.51	440.71		440.92	0.019985	3.70	8.34	14.22	0.84
TRIB2	1	7289.*	Max WS	31.26	438.99	440.18		440.33	0.012151	3.13	10.24	18.40	0.67
TRIB2	1	7245	Max WS	32.22	438.46	439.26	439.42	439.78	0.088808	5.79	5.56	14.80	1.65
TRIB2	1	7203.65*	Max WS	32.81	437.10	437.97	438.10	438.46	0.073435	5.61	5.85	14.21	1.53
TRIB2	1	7162.30*	Max WS	33.17	435.73	436.66	436.81	437.17	0.072093	5.71	5.82	13.60	1.52
TRIB2	1	7120.95*	Max WS	33.05	434.36	435.48	435.50	435.80	0.033914	4.61	7.25	13.90	1.08
TRIB2	1	7079.61	Max WS	31.96	433.00	434.93	434.21	434.98	0.001860	1.90	19.00	19.34	0.29
TRIB2	1	7000		Bridge									
TRIB2	1	6895.13	Max WS	31.96	430.00	431.19		431.42	0.019449	3.89	8.22	12.39	0.84
TRIB2	1	6849.62*	Max WS	31.53	429.23	430.42		430.66	0.019765	3.89	8.10	12.34	0.85
TRIB2	1	6804.11*	Max WS	31.43	428.45	429.66		429.90	0.019844	3.89	8.07	12.31	0.85
TRIB2	1	6758.6*	Max WS	31.29	427.68	428.90		429.14	0.020480	3.94	7.94	12.17	0.86
TRIB2	1	6713.09*	Max WS	31.11	426.91	428.14		428.38	0.020189	3.91	7.96	12.22	0.85

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	1	6667.58*	Max WS	30.93	426.14	427.36		427.62	0.022356	4.06	7.62	11.95	0.89
TRIB2	1	6622.07*	Max WS	30.47	425.36	426.71		426.89	0.014264	3.43	8.89	12.80	0.72
TRIB2	1	6576.56	Max WS	30.17	424.59	426.50		426.55	0.001934	1.86	17.21	17.52	0.29
TRIB2	2	6527.5	Max WS	132.12	423.76	425.90	425.92	426.50	0.024683	6.20	21.38	20.40	1.03
TRIB2	2	6487.58*	Max WS	132.05	422.93	424.93	424.94	425.50	0.024300	6.04	21.88	21.11	1.02
TRIB2	2	6447.66*	Max WS	131.96	422.10	423.97	423.97	424.50	0.024061	5.89	22.42	22.05	1.01
TRIB2	2	6407.74*	Max WS	131.81	421.27	423.01	423.01	423.52	0.024304	5.77	22.87	23.31	1.01
TRIB2	2	6367.83	Max WS	131.53	420.44	422.30		422.61	0.011490	4.50	30.25	32.25	0.72
TRIB2	2	6321.26*	Max WS	131.04	419.79	421.77		422.08	0.011298	4.46	29.91	30.74	0.71
TRIB2	2	6274.69*	Max WS	130.95	419.14	421.24		421.55	0.011559	4.46	29.37	26.54	0.72
TRIB2	2	6228.13*	Max WS	130.78	418.50	420.69		421.01	0.011625	4.52	28.95	23.74	0.72
TRIB2	2	6181.56*	Max WS	130.55	417.85	420.17		420.48	0.010930	4.47	29.18	23.10	0.70
TRIB2	2	6135	Max WS	130.28	417.20	419.46		419.88	0.016096	5.20	25.03	21.03	0.84
TRIB2	2	6087.5*	Max WS	129.98	416.43	418.69		419.11	0.016105	5.20	25.02	21.10	0.84
TRIB2	2	6040.*	Max WS	129.56	415.66	417.93		418.35	0.016148	5.19	24.97	21.17	0.84
TRIB2	2	5992.5*	Max WS	129.52	414.89	417.16		417.58	0.016189	5.18	25.01	21.32	0.84
TRIB2	2	5945.*	Max WS	129.44	414.12	416.39		416.81	0.016315	5.17	25.04	21.54	0.84
TRIB2	2	5897.5*	Max WS	129.32	413.36	415.62		416.04	0.016401	5.16	25.07	21.94	0.85
TRIB2	2	5850.*	Max WS	129.16	412.59	414.84		415.26	0.016606	5.21	24.89	23.33	0.85
TRIB2	2	5802.5*	Max WS	128.97	411.82	414.04		414.47	0.017018	5.28	24.72	24.88	0.86
TRIB2	2	5755	Max WS	128.51	411.05	413.25	413.29	413.66	0.016151	5.20	27.95	61.15	0.84
TRIB2	2	5708.12*	Max WS	128.12	410.28	412.49	412.52	412.91	0.016596	5.27	26.48	58.29	0.85
TRIB2	2	5661.25*	Max WS	127.93	409.51	411.73	411.57	412.16	0.016780	5.31	25.55	58.10	0.86
TRIB2	2	5614.37*	Max WS	127.70	408.74	410.96	410.83	411.40	0.017066	5.35	25.30	46.00	0.87
TRIB2	2	5567.5*	Max WS	127.43	407.97	410.19	410.15	410.63	0.017158	5.35	26.08	47.47	0.87
TRIB2	2	5520.62*	Max WS	127.12	407.20	409.40	409.42	409.84	0.018068	5.41	26.33	43.41	0.89
TRIB2	2	5473.75*	Max WS	126.78	406.43	408.62	408.63	409.05	0.017940	5.39	27.14	42.19	0.88
TRIB2	2	5426.87*	Max WS	126.69	405.66	407.83	407.83	408.25	0.018209	5.40	27.56	40.78	0.89
TRIB2	2	5380	Max WS	126.52	404.89	407.11	407.05	407.46	0.015029	5.03	30.42	42.33	0.81
TRIB2	2	5330.38*	Max WS	126.26	404.21	406.41	406.37	406.83	0.016123	5.26	26.69	37.81	0.84
TRIB2	2	5280.76*	Max WS	126.01	403.53	405.69	405.56	406.13	0.016579	5.31	24.22	24.58	0.86
TRIB2	2	5231.15*	Max WS	125.77	402.85	404.96		405.39	0.016658	5.28	24.26	24.64	0.86
TRIB2	2	5181.53*	Max WS	125.62	402.17	404.23		404.66	0.016733	5.25	24.37	24.98	0.86
TRIB2	2	5131.92*	Max WS	125.58	401.49	403.51		403.93	0.016566	5.20	24.59	25.36	0.85
TRIB2	2	5082.30*	Max WS	125.51	400.81	402.78		403.19	0.016509	5.16	24.76	25.73	0.85
TRIB2	2	5032.69*	Max WS	125.41	400.12	402.06		402.46	0.016239	5.10	25.02	25.99	0.84
TRIB2	2	4983.07*	Max WS	125.29	399.44	401.34		401.73	0.016044	5.05	25.28	26.46	0.84
TRIB2	2	4933.46*	Max WS	125.14	398.76	400.62		401.00	0.015545	4.97	25.70	27.01	0.82
TRIB2	2	4883.84*	Max WS	124.92	398.08	399.91		400.27	0.014994	4.87	26.18	27.60	0.81
TRIB2	2	4834.23*	Max WS	124.64	397.40	399.18		399.54	0.014927	4.83	26.33	27.95	0.81
TRIB2	2	4784.61*	Max WS	124.60	396.72	398.44		398.81	0.015431	4.85	26.14	27.98	0.82
TRIB2	2	4735	Max WS	124.53	396.04	397.68		398.07	0.017200	5.00	25.25	27.52	0.86
TRIB2	2	4689.09*	Max WS	124.44	395.31	396.96		397.36	0.017587	5.03	25.08	27.54	0.87
TRIB2	2	4643.18*	Max WS	124.33	394.58	396.24		396.64	0.018112	5.08	24.81	27.29	0.88
TRIB2	2	4597.27*	Max WS	124.20	393.85	395.52	395.44	395.92	0.018555	5.12	24.59	27.05	0.89
TRIB2	2	4551.36*	Max WS	124.04	393.12	394.79	394.72	395.20	0.019112	5.17	24.35	26.96	0.90
TRIB2	2	4505.45*	Max WS	123.87	392.39	394.06	394.00	394.48	0.019568	5.20	24.13	26.77	0.91
TRIB2	2	4459.54*	Max WS	123.72	391.65	393.34	393.28	393.76	0.019936	5.23	23.96	26.71	0.92
TRIB2	2	4413.63*	Max WS	123.70	390.92	392.61	392.56	393.04	0.020202	5.26	23.87	26.72	0.92
TRIB2	2	4367.72*	Max WS	123.65	390.19	391.89	391.84	392.32	0.020473	5.28	23.77	26.73	0.93
TRIB2	2	4321.81*	Max WS	123.59	389.46	391.16	391.11	391.59	0.020618	5.29	23.69	26.62	0.93
TRIB2	2	4275.90*	Max WS	123.51	388.73	390.49		390.88	0.017300	5.00	25.22	27.60	0.86
TRIB2	2	4230	Max WS	123.43	388.00	389.55	389.66	390.17	0.035880	6.32	19.59	23.94	1.20
TRIB2	2	4181.29*	Max WS	123.34	386.63	388.18	388.30	388.82	0.036959	6.41	19.28	23.22	1.22
TRIB2	2	4132.59*	Max WS	123.24	385.26	386.82	386.94	387.46	0.036083	6.39	19.31	22.77	1.21
TRIB2	2	4083.89*	Max WS	123.13	383.90	385.45	385.59	386.11	0.038239	6.54	18.84	22.10	1.24
TRIB2	2	4035.18*	Max WS	122.96	382.53	384.11	384.23	384.75	0.035207	6.39	19.26	22.05	1.19
TRIB2	2	3986.48*	Max WS	122.96	381.16	382.70	382.87	383.42	0.042349	6.83	17.99	21.03	1.30
TRIB2	2	3937.78*	Max WS	119.39	379.79	381.55	381.49	381.99	0.020317	5.31	22.56	23.29	0.93
TRIB2	2	3889.07*	Max WS	112.28	378.42	381.20		381.23	0.000821	1.70	123.01	187.88	0.21
TRIB2	2	3840.37*	Max WS	111.44	377.06	381.20		381.20	0.000028	0.44	432.53	208.98	0.04
TRIB2	2	3791.67*	Max WS	110.44	375.69	381.20		381.20	0.000005	0.23	773.38	233.46	0.02
TRIB2	2	3742.97	Max WS	109.35	374.32	381.19		381.21	0.000067	1.02	106.85	254.08	0.07
TRIB2	2	3500		Culvert									
TRIB2	2	3435.77	Max WS	109.35	369.21	372.11		372.46	0.009911	4.75	23.04	16.02	0.66
TRIB2	2	3389.32*	Max WS	109.33	369.15	371.75		372.06	0.009418	4.47	24.73	19.39	0.65
TRIB2	2	3342.88*	Max WS	109.31	369.10	371.38		371.67	0.009085	4.28	26.27	23.32	0.65
TRIB2	2	3296.44*	Max WS	109.31	369.04	371.01		371.28	0.009257	4.16	27.88	28.53	0.65
TRIB2	2	3250	Max WS	109.30	368.99	370.42	370.40	370.81	0.019978	5.07	23.15	32.29	0.91
TRIB2	2	3203.*	Max WS	109.29	368.05	369.61	369.60	370.03	0.021723	5.21	21.82	28.81	0.95
TRIB2	2	3156.*	Max WS	109.27	367.11	368.82	368.80	369.25	0.021991	5.22	21.43	27.13	0.95
TRIB2	2	3109.*	Max WS	109.25	366.18	368.09	368.01	368.47	0.018936	4.98	22.37	26.82	0.89
TRIB2	2	3062.*	Max WS	109.22	365.24	367.31	367.23	367.69	0.018858	4.95	22.32	26.01	0.89
TRIB2	2	3015	Max WS	109.20	364.30	366.59		366.93	0.015787	4.67	23.65	26.32	0.81
TRIB2	2	2970.*	Max WS	109.18	363.86	366.01		366.30	0.013494	4.31	25.46	26.74	0.75
TRIB2	2	2925.*	Max WS	109.18	363.41	365.48		365.73	0.011991	4.02	27.28	29.09	0.71
TRIB2	2	2880	Max WS	109.16	362.97	364.95		365.20	0.012484	3.94	27.87	32.39	0.72
TRIB2	2	2834.83*	Max WS	109.14	362.40	364.39		364.65	0.012510	4.08	26.97	30.32	0.72
TRIB2	2	2789.67*	Max WS	109.12	361.84	363.79		364.10	0.014746	4.45	24.69	27.50	0.79
TRIB2	2	2744.50*	Max WS	109.09	361.27	363.19	363.14	363.55	0.018034	4.88	24.15	38.57	0.87
TRIB2	2	2699.34	Max WS	107.81	360.70	362.72		362.92	0.010580	4.01	34.58	49.79	0.68

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB2	2	2653.25*	Max WS	108.88	360.07	362.12	362.00	362.51	0.015747	5.08	22.53	26.90	0.83
TRIB2	2	2607.17*	Max WS	109.11	359.45	361.46	361.42	361.89	0.017050	5.34	22.80	28.12	0.87
TRIB2	2	2561.08*	Max WS	110.54	358.82	360.66	360.83	361.26	0.029384	6.48	20.38	32.00	1.11
TRIB2	2	2515	Max WS	108.84	358.19	359.98		360.17	0.013175	4.36	39.07	64.91	0.74
TRIB2	2	2475.28*	Max WS	119.29	357.31	359.44	359.37	359.88	0.015117	5.47	24.90	27.03	0.83
TRIB2	2	2435.57*	Max WS	108.55	356.42	359.14		359.28	0.003019	3.08	41.02	32.25	0.39
TRIB2	2	2395.85*	Max WS	108.44	355.54	359.15		359.19	0.000547	1.69	82.63	48.32	0.18
TRIB2	2	2356.14	Max WS	108.29	354.66	359.04		359.17	0.001055	2.86	37.90	81.88	0.26
TRIB2	2	2150		Culvert									
TRIB2	2	2107.54	Max WS	108.29	352.00	354.13		354.32	0.004773	3.44	31.48	28.77	0.48
TRIB2	2	2061.69*	Max WS	106.72	351.75	353.94		354.10	0.004970	3.17	34.44	30.57	0.48
TRIB2	2	2015.84*	Max WS	106.70	351.51	353.70		353.87	0.005453	3.32	33.81	32.04	0.50
TRIB2	2	1970	Max WS	108.26	351.26	353.27		353.53	0.010640	4.17	27.58	30.87	0.68
TRIB2	2	1928.*	Max WS	108.25	350.82	352.83		353.09	0.010547	4.15	28.08	33.64	0.68
TRIB2	2	1886.*	Max WS	108.24	350.39	352.40		352.66	0.010676	4.16	28.36	36.91	0.68
TRIB2	2	1844.*	Max WS	108.23	349.95	351.96		352.22	0.010661	4.15	28.84	40.06	0.68
TRIB2	2	1802.*	Max WS	108.21	349.52	351.52		351.78	0.010787	4.16	29.05	43.33	0.68
TRIB2	2	1760	Max WS	108.20	349.08	351.06	350.83	351.33	0.011486	4.26	28.40	45.85	0.70
TRIB2	2	1717.77*	Max WS	108.17	348.51	350.58		350.88	0.011798	4.39	27.01	40.51	0.72
TRIB2	2	1675.54*	Max WS	107.92	347.94	350.17		350.44	0.009997	4.26	27.91	37.41	0.67
TRIB2	2	1633.31*	Max WS	108.00	347.37	349.90		350.10	0.005872	3.68	33.83	37.75	0.53
TRIB2	2	1591.08*	Max WS	108.09	346.80	349.79		349.91	0.002698	2.93	45.42	41.01	0.37
TRIB2	2	1548.85*	Max WS	108.19	346.23	349.74		349.82	0.001295	2.35	60.26	44.93	0.27
TRIB2	2	1506.63	Max WS	108.28	345.66	349.62		349.76	0.001516	2.96	36.62	47.57	0.30
TRIB2	2	1400		Culvert									
TRIB2	2	1336.79	Max WS	108.27	342.58	344.42		344.75	0.018373	4.62	23.44	29.18	0.86
TRIB2	2	1296.34*	Max WS	108.28	341.95	343.72		344.01	0.018036	4.31	25.15	31.14	0.84
TRIB2	2	1255.89*	Max WS	108.25	341.33	342.97		343.26	0.019123	4.29	25.25	32.93	0.86
TRIB2	2	1215.44*	Max WS	108.27	340.70	342.21		342.50	0.021391	4.36	24.82	34.38	0.90
TRIB2	2	1175	Max WS	107.77	340.08	341.60		341.79	0.012163	3.53	30.65	40.18	0.69
TRIB2	2	1125.*	Max WS	86.77	339.49	341.28		341.35	0.002972	2.11	42.18	45.83	0.36
TRIB2	2	1075.*	Max WS	82.92	338.89	341.23		341.25	0.000631	1.28	71.01	59.35	0.18
TRIB2	2	1025	Max WS	80.32	338.30	341.22		341.23	0.000189	0.86	110.32	74.67	0.10
TRIB1	1	15010	Max WS	8.71	485.17	485.79	485.78	485.94	0.033675	3.11	2.80	8.97	0.98
TRIB1	1	14964.*	Max WS	8.71	483.66	484.18	484.20	484.33	0.041886	3.01	2.89	11.59	1.06
TRIB1	1	14918.*	Max WS	10.89	482.16	482.67	482.66	482.78	0.035801	2.68	4.06	17.20	0.97
TRIB1	1	14872.*	Max WS	13.35	480.65	481.09	481.13	481.25	0.059946	3.14	4.25	20.87	1.23
TRIB1	1	14826.*	Max WS	14.98	479.15	479.47	479.57	479.81	0.210087	4.63	3.24	22.80	2.17
TRIB1	1	14780	Max WS	17.47	477.64	477.91	478.02	478.30	0.262708	4.99	3.50	26.07	2.40
TRIB1	1	14731.6*	Max WS	20.13	475.53	476.04	476.05	476.18	0.048653	3.09	6.52	28.15	1.13
TRIB1	1	14683.3*	Max WS	22.81	473.42	474.00	474.10	474.29	0.110416	4.34	5.26	25.22	1.67
TRIB1	1	14635.*	Max WS	26.50	471.32	471.93	472.13	472.81	0.396458	7.52	3.52	19.26	3.10
TRIB1	1	14586.6*	Max WS	30.55	469.21	469.90	470.18	471.11	0.233171	8.81	3.47	9.99	2.63
TRIB1	1	14538.3*	Max WS	32.20	467.10	468.18	468.20	468.40	0.034434	3.80	8.48	20.53	1.04
TRIB1	1	14490	Max WS	31.97	464.99	466.12	466.18	466.43	0.051864	4.49	7.12	18.17	1.26
TRIB1	1	14445.*	Max WS	32.00	462.39	463.43	463.54	463.85	0.073530	5.16	6.20	16.68	1.49
TRIB1	1	14400.*	Max WS	31.89	459.80	460.84	460.90	461.18	0.049050	4.67	6.83	15.80	1.25
TRIB1	1	14355.*	Max WS	31.87	457.20	458.12	458.27	458.63	0.074667	5.75	5.55	12.88	1.54
TRIB1	1	14310.*	Max WS	31.56	454.61	455.58	455.63	455.92	0.039261	4.63	6.81	13.48	1.15
TRIB1	1	14265	Max WS	30.81	452.01	454.69		454.74	0.000715	1.79	17.17	31.90	0.20
TRIB1	1	14200		Culvert									
TRIB1	1	14122.5	Max WS	30.81	448.36	449.35	449.33	449.63	0.025622	4.23	7.28	14.55	0.96
TRIB1	1	14075.*	Max WS	30.72	447.14	448.16		448.39	0.025455	3.81	8.06	15.52	0.93
TRIB1	1	14027.5*	Max WS	30.62	445.92	446.94	446.91	447.16	0.026376	3.79	8.07	16.07	0.94
TRIB1	1	13980	Max WS	30.54	444.70	445.73		445.94	0.025141	3.66	8.34	16.89	0.92
TRIB1	1	13930.*	Max WS	30.49	443.38	444.45		444.68	0.025692	3.86	7.90	15.00	0.94
TRIB1	1	13880.*	Max WS	30.44	442.05	443.18		443.43	0.025225	3.96	7.68	13.78	0.93
TRIB1	1	13830.*	Max WS	30.41	440.73	441.91	441.88	442.17	0.025980	4.12	7.37	12.67	0.95
TRIB1	1	13780.*	Max WS	30.37	439.41	440.64		440.91	0.024926	4.16	7.30	11.92	0.94
TRIB1	1	13730.*	Max WS	30.37	438.08	439.34	439.32	439.64	0.027068	4.39	6.91	11.01	0.98
TRIB1	1	13680	Max WS	30.31	436.76	438.10		438.38	0.023021	4.21	7.20	10.75	0.91
TRIB1	1	13635.8*	Max WS	30.28	435.83	437.15		437.39	0.021372	3.94	7.69	12.06	0.87
TRIB1	1	13591.6*	Max WS	30.25	434.89	436.17		436.41	0.023090	3.92	7.71	12.91	0.89
TRIB1	1	13547.5*	Max WS	30.26	433.96	435.26		435.46	0.019563	3.58	8.46	14.38	0.82
TRIB1	1	13503.3*	Max WS	30.26	433.03	434.26		434.49	0.024920	3.83	7.89	14.46	0.91
TRIB1	1	13459.1*	Max WS	30.28	432.09	433.44		433.59	0.014945	3.07	9.85	17.13	0.71
TRIB1	1	13415	Max WS	7.25	431.16	433.23		433.24	0.000059	0.26	28.01	31.60	0.05
TRIB1	1	13397.3*	Max WS	36.19	431.29	433.18		433.20	0.001135	1.12	32.45	38.54	0.21
TRIB1	1	13379.6*	Max WS	36.11	431.42	433.15		433.17	0.000800	0.94	38.43	46.40	0.18
TRIB1	1	13361.9*	Max WS	36.00	431.54	433.13		433.14	0.000553	0.80	45.83	56.85	0.15
TRIB1	1	13344.3*	Max WS	35.87	431.67	433.12		433.12	0.000373	0.67	55.85	68.87	0.12
TRIB1	1	13326.64	Max WS	38.10	431.80	432.30	432.30	432.44	0.034967	2.96	13.24	49.71	0.99
TRIB1	1	13288.7*	Max WS	38.04	430.60	431.26	431.41	431.72	0.189018	5.44	6.99	35.68	2.17
TRIB1	1	13250.8*	Max WS	37.64	429.40	430.35	430.46	430.71	0.084473	4.82	7.82	26.11	1.55
TRIB1	1	13212.9*	Max WS	37.04	428.20	429.83		429.88	0.005858	1.82	20.36	39.52	0.45
TRIB1	1	13175	Max WS	36.97	427.00	429.74		429.80	0.001037	1.85	19.97	104.90	0.23
TRIB1	1	13100		Culvert									
TRIB1	1	12910	Max WS	36.97	422.00	424.09	424.06	424.44	0.025877	4.74	7.81	73.08	0.94
TRIB1	1	12866.6*	Max WS	37.08	421.60	423.30	423.37	423.59	0.157869	4.33	8.56	53.10	1.90
TRIB1	1	12823.3*	Max WS	38.82	421.20	422.73	422.72	422.84	0.031774	2.62	15.10	69.11	0.92
TRIB1	1	12780.*	Max WS	38.44	420.80	422.11		422.18	0.017470	2.20	18.28	77.08	0.71

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	12736.6*	Max WS	38.23	420.40	421.39	421.39	421.51	0.035057	2.77	14.15	67.75	0.97
TRIB1	1	12693.3*	Max WS	37.94	420.00	420.80		420.86	0.013245	2.06	20.15	85.54	0.63
TRIB1	1	12650	Max WS	37.62	419.60	420.06	420.07	420.17	0.033410	2.80	14.21	77.51	0.96
TRIB1	1	12607.5*	Max WS	37.71	418.64	419.08	419.09	419.21	0.036041	2.95	13.08	55.47	1.00
TRIB1	1	12565.*	Max WS	37.81	417.67	418.12	418.12	418.25	0.031085	2.89	13.45	52.79	0.94
TRIB1	1	12522.5*	Max WS	37.91	416.71	417.13	417.15	417.29	0.040614	3.23	12.05	48.11	1.07
TRIB1	1	12480.*	Max WS	38.01	415.75	416.19	416.18	416.33	0.028735	2.99	13.21	46.68	0.92
TRIB1	1	12437.5*	Max WS	38.11	414.78	415.19	415.22	415.38	0.044031	3.53	11.17	41.58	1.13
TRIB1	1	12395	Max WS	38.20	413.82	414.33		414.43	0.016045	2.67	15.20	42.26	0.72
TRIB1	1	12345.*	Max WS	37.98	413.04	413.54		413.65	0.015549	2.64	15.42	43.17	0.71
TRIB1	1	12295.*	Max WS	38.20	412.26	412.74		412.85	0.017751	2.76	14.94	43.61	0.75
TRIB1	1	12245.*	Max WS	38.19	411.49	411.95		412.06	0.018015	2.76	15.08	45.00	0.76
TRIB1	1	12195.*	Max WS	38.18	410.71	411.13		411.26	0.024482	3.03	13.79	45.09	0.87
TRIB1	1	12145	Max WS	38.18	409.93	410.37		410.47	0.017812	2.72	15.82	50.31	0.75
TRIB1	1	12097.*	Max WS	38.17	409.14	409.68		409.80	0.017858	2.77	14.61	42.61	0.76
TRIB1	1	12049.*	Max WS	38.17	408.35	408.94		409.08	0.024700	3.02	12.73	36.73	0.87
TRIB1	1	12001.*	Max WS	38.17	407.57	408.19		408.35	0.027323	3.19	11.97	31.97	0.92
TRIB1	1	11953.*	Max WS	38.16	406.78	407.39	407.40	407.59	0.032739	3.57	10.68	27.52	1.01
TRIB1	1	11905	Max WS	38.16	405.99	406.74		406.86	0.014743	2.76	13.84	28.93	0.70
TRIB1	1	11855.*	Max WS	39.95	405.57	406.30		406.42	0.016007	2.76	14.49	32.22	0.72
TRIB1	1	11805.*	Max WS	41.74	405.15	405.85		405.97	0.017042	2.69	15.49	37.37	0.74
TRIB1	1	11755.*	Max WS	43.54	404.74	405.40		405.50	0.013613	2.52	17.52	43.58	0.67
TRIB1	1	11705.*	Max WS	45.34	404.32	404.91		405.01	0.013384	2.54	18.76	48.70	0.66
TRIB1	1	11655	Max WS	47.13	403.90	404.44		404.52	0.009553	2.27	22.86	57.23	0.57
TRIB1	1	11608.9*	Max WS	48.76	403.47	404.04		404.12	0.009884	2.35	22.46	53.45	0.58
TRIB1	1	11562.9*	Max WS	50.38	403.03	403.62		403.71	0.010183	2.40	22.57	52.99	0.59
TRIB1	1	11516.9*	Max WS	52.01	402.60	403.22		403.30	0.009717	2.39	23.54	54.74	0.58
TRIB1	1	11470.9*	Max WS	53.63	402.16	402.79		402.88	0.010642	2.48	23.59	57.40	0.61
TRIB1	1	11424.96	Max WS	55.25	401.73	402.40		402.48	0.008863	2.34	27.33	75.10	0.56
TRIB1	1	11378.9*	Max WS	56.84	401.36	402.02		402.10	0.008745	2.33	27.56	68.69	0.55
TRIB1	1	11332.9*	Max WS	58.42	400.99	401.64		401.72	0.008504	2.32	28.10	65.74	0.55
TRIB1	1	11286.9*	Max WS	60.01	400.61	401.25		401.33	0.008997	2.37	28.01	64.42	0.56
TRIB1	1	11240.9*	Max WS	61.60	400.24	400.93		400.99	0.006054	2.09	32.74	66.95	0.47
TRIB1	1	11195	Max WS	63.19	399.87	400.40		400.52	0.015422	2.80	24.76	64.73	0.72
TRIB1	1	11153.3*	Max WS	64.75	399.24	399.83		399.95	0.012872	2.83	25.32	57.42	0.67
TRIB1	1	11111.6*	Max WS	66.30	398.60	399.18		399.34	0.019038	3.42	21.80	51.33	0.82
TRIB1	1	11070	Max WS	67.86	397.97	398.72		398.81	0.008679	2.81	31.73	97.99	0.58
TRIB1	1	11023.7*	Max WS	69.37	397.46	398.32		398.44	0.010016	2.98	25.57	46.01	0.62
TRIB1	1	10977.5*	Max WS	70.88	396.96	397.89		398.02	0.010076	2.88	25.63	44.31	0.62
TRIB1	1	10931.2*	Max WS	72.39	396.45	397.48		397.59	0.009338	2.69	27.19	45.42	0.59
TRIB1	1	10884.9*	Max WS	73.90	395.95	397.05		397.15	0.009877	2.64	27.98	46.89	0.60
TRIB1	1	10838.7*	Max WS	75.41	395.44	396.56		396.68	0.010880	2.78	27.12	44.51	0.63
TRIB1	1	10792.4*	Max WS	76.93	394.93	396.06		396.20	0.011726	2.94	26.16	41.78	0.65
TRIB1	1	10746.2*	Max WS	78.44	394.43	395.57		395.71	0.011780	3.01	26.10	40.45	0.66
TRIB1	1	10699.98	Max WS	79.95	393.92	395.18		395.29	0.008134	2.66	30.09	42.49	0.56
TRIB1	1	10655.9*	Max WS	81.68	393.56	394.82		394.93	0.008505	2.71	30.14	42.72	0.57
TRIB1	1	10611.9*	Max WS	83.41	393.20	394.46		394.58	0.008996	2.78	30.06	42.87	0.58
TRIB1	1	10567.9*	Max WS	85.09	392.84	394.13		394.24	0.008356	2.71	31.44	44.06	0.56
TRIB1	1	10524.*	Max WS	86.88	392.48	393.87		393.96	0.005981	2.39	36.29	47.59	0.48
TRIB1	1	10480	Max WS	88.67	392.12	393.14	393.13	393.43	0.028002	4.28	20.74	36.25	1.00
TRIB1	1	10440.0*	Max WS	88.67	390.75	391.97	392.03	392.39	0.036169	5.20	17.05	26.84	1.15
TRIB1	1	10400.0*	Max WS	88.66	389.37	390.94		391.27	0.020110	4.59	19.30	23.40	0.89
TRIB1	1	10360.08	Max WS	88.66	388.00	390.67		390.79	0.002036	2.74	32.36	29.31	0.33
TRIB1	1	10200		Culvert									
TRIB1	1	10160	Max WS	88.66	387.00	389.73		389.89	0.003670	3.25	27.27	15.12	0.41
TRIB1	1	10111.6*	Max WS	88.66	386.81	389.52		389.68	0.005255	3.26	27.23	19.30	0.48
TRIB1	1	10063.3*	Max WS	88.64	386.62	389.28		389.44	0.005273	3.16	28.07	21.34	0.49
TRIB1	1	10015	Max WS	88.58	386.43	389.09		389.22	0.004379	2.91	30.40	22.86	0.45
TRIB1	1	9966.25*	Max WS	111.09	385.96	388.65		388.88	0.008017	3.83	28.97	22.72	0.60
TRIB1	1	9917.5*	Max WS	111.08	385.49	388.27		388.51	0.008541	3.90	28.49	22.78	0.61
TRIB1	1	9868.75*	Max WS	111.08	385.02	387.80		388.10	0.010818	4.37	25.42	20.28	0.69
TRIB1	1	9820	Max WS	111.06	384.55	387.53		387.69	0.005363	3.45	39.47	36.95	0.49
TRIB1	1	9777.*	Max WS	111.12	384.19	387.12		387.38	0.009888	4.14	26.86	21.72	0.66
TRIB1	1	9734.*	Max WS	111.18	383.83	386.74		386.99	0.009273	3.98	27.91	22.88	0.64
TRIB1	1	9691.*	Max WS	111.21	383.47	386.38		386.61	0.008461	3.91	28.47	22.44	0.61
TRIB1	1	9648.*	Max WS	111.22	383.11	386.04		386.27	0.007731	3.89	28.60	21.12	0.59
TRIB1	1	9605	Max WS	111.05	382.75	385.70		385.94	0.007147	3.98	27.93	18.57	0.57
TRIB1	1	9555.*	Max WS	110.23	382.73	385.41		385.61	0.007657	3.65	30.23	24.79	0.58
TRIB1	1	9505.*	Max WS	109.04	382.71	385.19		385.34	0.005134	3.13	35.19	30.17	0.48
TRIB1	1	9455	Max WS	108.46	382.69	385.06		385.16	0.002798	2.59	43.54	34.52	0.37
TRIB1	1	9407.5*	Max WS	108.18	382.36	384.99		385.07	0.001608	2.20	53.75	43.66	0.29
TRIB1	1	9360.*	Max WS	108.23	382.02	384.96		385.01	0.000926	1.85	68.35	54.00	0.22
TRIB1	1	9312.5*	Max WS	108.26	381.69	384.94		384.97	0.000543	1.56	88.04	68.67	0.18
TRIB1	1	9265	Max WS	108.28	381.36	384.93		384.95	0.000323	1.31	112.21	79.92	0.14
TRIB1	1	9258.09*	Max WS	108.07	381.23	384.92		384.94	0.000235	1.15	121.91	73.61	0.12
TRIB1	1	9251.18*	Max WS	108.12	381.10	384.91		384.93	0.000170	1.01	136.95	74.01	0.10
TRIB1	1	9244.28*	Max WS	108.17	380.97	384.91		384.92	0.000124	0.89	154.45	75.93	0.09
TRIB1	1	9237.37*	Max WS	108.22	380.83	384.91		384.91	0.000091	0.79	173.89	79.36	0.08
TRIB1	1	9230.46*	Max WS	108.26	380.70	384.90		384.91	0.000068	0.70	194.94	83.39	0.07
TRIB1	1	9223.56*	Max WS	108.31	380.57	384.90		384.91	0.000051	0.63	217.90	87.88	0.06
TRIB1	1	9216.65*	Max WS	108.36	380.44	384.90		384.91	0.000039	0.57	242.71	93.31	0.05

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	9209.75	Max WS	108.41	380.31	384.85		384.93	0.000516	2.25	48.10	97.85	0.19
TRIB1	1	9100		Culvert									
TRIB1	1	9036.32	Max WS	108.40	380.00	381.73	381.80	382.52	0.024612	7.17	15.13	27.02	1.08
TRIB1	1	8992.54*	Max WS	108.45	378.98	380.93		381.33	0.019825	5.04	21.50	22.35	0.91
TRIB1	1	8948.77*	Max WS	108.50	377.96	380.39		380.71	0.011951	4.47	24.26	20.39	0.72
TRIB1	1	8905	Max WS	108.54	376.94	380.16		380.35	0.005140	3.58	30.60	21.84	0.49
TRIB1	1	8862.5*	Max WS	108.59	376.91	379.97		380.18	0.005258	3.64	30.66	24.29	0.50
TRIB1	1	8820.*	Max WS	108.64	376.88	379.79		379.99	0.005289	3.67	31.25	26.79	0.50
TRIB1	1	8777.5*	Max WS	108.68	376.85	379.59		379.80	0.005393	3.72	31.84	28.81	0.51
TRIB1	1	8735.*	Max WS	108.73	376.81	379.39		379.60	0.005549	3.76	32.56	30.86	0.52
TRIB1	1	8692.5*	Max WS	108.78	376.78	379.18		379.39	0.005776	3.81	33.29	32.77	0.53
TRIB1	1	8650	Max WS	108.82	376.75	378.92		379.14	0.006673	3.98	32.87	34.21	0.57
TRIB1	1	8606.66*	Max WS	110.52	376.50	378.62		378.84	0.007181	3.84	30.91	30.01	0.58
TRIB1	1	8563.33*	Max WS	110.57	376.25	378.34		378.54	0.007310	3.61	31.18	29.01	0.57
TRIB1	1	8520	Max WS	110.62	376.00	378.01		378.22	0.009327	3.65	30.29	29.24	0.63
TRIB1	1	8471.42*	Max WS	110.67	375.67	377.62		377.82	0.009289	3.60	30.79	30.69	0.63
TRIB1	1	8422.85*	Max WS	110.72	375.33	377.25		377.44	0.008881	3.50	31.69	32.50	0.61
TRIB1	1	8374.28*	Max WS	110.77	375.00	376.87		377.05	0.008617	3.42	32.49	34.47	0.60
TRIB1	1	8325.71*	Max WS	110.83	374.67	376.46		376.65	0.009514	3.47	31.98	35.91	0.63
TRIB1	1	8277.14*	Max WS	110.88	374.34	376.04		376.24	0.010619	3.54	31.38	37.70	0.66
TRIB1	1	8228.57*	Max WS	110.93	374.00	375.66		375.85	0.010502	3.49	32.04	40.75	0.66
TRIB1	1	8180	Max WS	110.98	373.67	375.17		375.41	0.016487	3.95	28.15	39.61	0.80
TRIB1	1	8139.*	Max WS	111.02	372.96	374.72		374.96	0.013964	3.87	28.71	34.54	0.75
TRIB1	1	8098.*	Max WS	111.07	372.25	374.27		374.50	0.012547	3.86	28.76	31.88	0.72
TRIB1	1	8057.*	Max WS	111.10	371.53	373.79		374.03	0.012464	3.98	27.93	29.29	0.72
TRIB1	1	8016.*	Max WS	110.62	370.82	373.44		373.64	0.008830	3.57	31.01	29.32	0.61
TRIB1	1	7975	Max WS	109.45	370.11	373.25		373.38	0.004768	2.84	38.58	32.04	0.46
TRIB1	1	7926.42*	Max WS	109.26	369.89	373.08		373.17	0.003368	2.48	44.10	34.81	0.39
TRIB1	1	7877.85*	Max WS	106.55	369.67	372.99		373.06	0.001802	2.00	53.58	40.10	0.29
TRIB1	1	7829.28*	Max WS	105.42	369.45	372.95		373.00	0.000895	1.67	66.84	48.05	0.21
TRIB1	1	7780.71*	Max WS	104.32	369.22	372.93		372.96	0.000506	1.45	81.61	52.11	0.17
TRIB1	1	7732.14*	Max WS	104.35	369.00	372.92		372.94	0.000332	1.32	95.19	53.90	0.14
TRIB1	1	7683.57*	Max WS	104.37	368.78	372.91		372.93	0.000233	1.22	112.04	59.47	0.12
TRIB1	1	7635	Max WS	104.40	368.56	372.91		372.92	0.000147	1.05	143.43	66.69	0.10
TRIB1	1	7585.*	Max WS	103.92	368.34	372.90		372.91	0.000103	0.90	164.79	75.76	0.08
TRIB1	1	7535.*	Max WS	103.95	368.13	372.90		372.91	0.000074	0.77	189.98	87.36	0.07
TRIB1	1	7485.*	Max WS	104.46	367.91	372.90		372.90	0.000054	0.67	220.30	99.40	0.06
TRIB1	1	7435.*	Max WS	104.02	367.70	372.90		372.90	0.000038	0.57	256.08	111.08	0.05
TRIB1	1	7385	Max WS	104.05	367.48	372.90		372.90	0.000028	0.49	297.26	123.49	0.04
TRIB1	1	7335.83*	Max WS	104.08	366.90	372.90		372.90	0.000016	0.42	367.74	137.78	0.03
TRIB1	1	7286.66*	Max WS	104.11	366.32	372.90		372.90	0.000010	0.36	453.17	155.80	0.03
TRIB1	1	7237.5*	Max WS	104.14	365.74	372.90		372.90	0.000006	0.31	558.24	181.10	0.02
TRIB1	1	7188.33*	Max WS	104.17	365.16	372.90		372.90	0.000004	0.26	695.16	222.19	0.02
TRIB1	1	7139.16*	Max WS	104.19	364.58	372.90		372.90	0.000002	0.22	873.61	248.98	0.01
TRIB1	1	7090	Max WS	104.21	364.00	372.90		372.90	0.000001	0.18	1084.15	275.88	0.01
TRIB1	1	7044.28*	Max WS	104.24	363.55	372.89		372.90	0.000001	0.18	1033.06	257.92	0.01
TRIB1	1	6998.57*	Max WS	104.26	363.11	372.89		372.90	0.000001	0.18	1011.73	240.22	0.01
TRIB1	1	6952.85*	Max WS	104.28	362.66	372.89		372.90	0.000001	0.17	1030.64	210.27	0.01
TRIB1	1	6907.14*	Max WS	104.31	362.22	372.89		372.90	0.000001	0.15	1077.48	193.12	0.01
TRIB1	1	6861.42*	Max WS	104.33	361.77	372.89		372.90	0.000001	0.14	1140.21	182.43	0.01
TRIB1	1	6815.71*	Max WS	104.36	361.33	372.89		372.90	0.000001	0.13	1214.16	174.99	0.01
TRIB1	1	6770	Max WS	104.38	360.88	372.89		372.89	0.000000	0.11	1297.94	169.67	0.01
TRIB1	1	6721.48*	Max WS	122.14	359.92	372.89		372.89	0.000000	0.10	1580.03	195.76	0.01
TRIB1	1	6672.96*	Max WS	122.14	358.96	372.89		372.89	0.000000	0.08	1881.81	221.80	0.00
TRIB1	1	6624.45	Max WS	122.12	358.00	372.89		372.90	0.000005	0.51	238.29	247.75	0.02
TRIB1	1	6400		Culvert									
TRIB1	1	6265	Max WS	122.12	356.64	358.95		359.22	0.008499	4.21	29.01	20.48	0.62
TRIB1	1	6217.5*	Max WS	122.12	356.10	358.55		358.83	0.008703	4.27	28.60	20.12	0.63
TRIB1	1	6170.*	Max WS	122.12	355.55	358.23		358.48	0.007137	4.05	30.14	19.69	0.58
TRIB1	1	6122.5*	Max WS	122.12	355.01	358.01		358.22	0.004892	3.62	33.71	19.38	0.48
TRIB1	1	6075	Max WS	122.12	354.47	357.88		358.03	0.003104	3.15	38.74	19.09	0.39
TRIB1	1	6036.25*	Max WS	123.57	354.59	357.79		357.92	0.002810	2.90	42.56	22.58	0.37
TRIB1	1	5997.5*	Max WS	123.57	354.71	357.70		357.81	0.002749	2.75	44.94	25.83	0.37
TRIB1	1	5958.75*	Max WS	123.57	354.83	357.59		357.71	0.002991	2.72	45.44	28.55	0.38
TRIB1	1	5920	Max WS	123.57	354.95	357.47		357.59	0.003638	2.82	43.79	30.31	0.41
TRIB1	1	5871.25*	Max WS	123.60	354.76	357.29		357.42	0.004011	2.95	41.88	29.22	0.43
TRIB1	1	5822.5*	Max WS	123.64	354.57	357.04		357.21	0.005063	3.29	37.56	27.35	0.49
TRIB1	1	5773.75*	Max WS	123.68	354.37	356.64		356.92	0.009490	4.30	28.99	25.30	0.66
TRIB1	1	5725	Max WS	123.71	354.18	356.34	356.33	356.66	0.012471	4.84	35.09	64.95	0.75
TRIB1	1	5685.*	Max WS	123.74	353.76	355.95	355.85	356.31	0.012069	4.94	29.43	43.57	0.74
TRIB1	1	5645.*	Max WS	123.77	353.33	355.65		355.94	0.008028	4.36	32.40	37.71	0.61
TRIB1	1	5605	Max WS	123.79	352.91	355.52		355.69	0.003816	3.43	42.07	37.14	0.43
TRIB1	1	5562.*	Max WS	123.83	352.79	355.33		355.52	0.004282	3.56	38.83	34.19	0.46
TRIB1	1	5519.*	Max WS	123.86	352.66	355.12		355.33	0.004970	3.72	35.88	31.89	0.49
TRIB1	1	5476.*	Max WS	123.90	352.54	354.88		355.12	0.005993	3.91	33.32	28.57	0.54
TRIB1	1	5433.*	Max WS	123.93	352.41	354.58		354.87	0.008340	4.28	29.96	27.26	0.63
TRIB1	1	5390	Max WS	123.96	352.29	354.31		354.62	0.010918	4.56	30.12	42.21	0.71
TRIB1	1	5343.*	Max WS	123.99	351.86	353.88		354.22	0.011906	4.68	27.18	27.33	0.73
TRIB1	1	5296.*	Max WS	124.03	351.43	353.47		353.80	0.011969	4.64	27.47	28.14	0.73
TRIB1	1	5249.*	Max WS	124.06	351.00	353.08		353.39	0.011190	4.50	28.67	30.63	0.71
TRIB1	1	5202.*	Max WS	124.09	350.57	352.77		353.03	0.008624	4.11	32.55	36.30	0.63

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
TRIB1	1	5155	Max WS	124.12	350.14	352.56		352.73	0.005057	3.41	42.16	45.72	0.49
TRIB1	1	5108.75*	Max WS	124.16	349.93	352.34		352.52	0.004936	3.56	43.25	45.15	0.49
TRIB1	1	5062.5*	Max WS	124.20	349.73	352.11		352.30	0.005179	3.83	43.38	44.15	0.51
TRIB1	1	5016.25*	Max WS	124.23	349.52	351.84		352.07	0.006262	4.35	41.37	41.51	0.57
TRIB1	1	4970	Max WS	124.27	349.31	351.34	351.30	351.76	0.014800	6.30	30.73	34.80	0.86
TRIB1	1	4926.66*	Max WS	124.30	348.97	350.80	350.76	351.27	0.014828	6.10	27.81	29.64	0.86
TRIB1	1	4883.33*	Max WS	124.33	348.63	350.30		350.72	0.013268	5.60	27.61	27.01	0.80
TRIB1	1	4840	Max WS	124.37	348.29	349.95		350.24	0.007978	4.52	32.77	27.70	0.63
TRIB1	1	4798.*	Max WS	124.40	347.89	349.63		349.93	0.008786	4.64	31.54	27.50	0.66
TRIB1	1	4756.*	Max WS	124.43	347.49	349.28		349.60	0.009514	4.75	30.32	27.05	0.68
TRIB1	1	4714.*	Max WS	124.46	347.08	348.91		349.25	0.010221	4.84	29.05	26.33	0.70
TRIB1	1	4672.*	Max WS	124.49	346.68	348.53		348.88	0.010371	4.85	28.34	25.48	0.71
TRIB1	1	4630	Max WS	124.52	346.28	348.23		348.54	0.008422	4.53	29.95	25.18	0.64
TRIB1	1	4582.*	Max WS	124.56	345.93	347.88		348.19	0.008947	4.52	29.77	26.10	0.66
TRIB1	1	4534.*	Max WS	124.60	345.58	347.51		347.82	0.009506	4.51	29.49	26.78	0.67
TRIB1	1	4486.*	Max WS	124.63	345.22	347.13		347.43	0.009884	4.48	29.28	27.11	0.68
TRIB1	1	4438.*	Max WS	124.67	344.87	346.73		347.04	0.010135	4.43	29.20	27.27	0.68
TRIB1	1	4390	Max WS	124.70	344.52	346.21		346.57	0.014560	4.86	25.96	25.44	0.80
TRIB1	1	4341.25*	Max WS	124.74	343.89	345.60		345.97	0.015654	4.87	25.72	25.79	0.82
TRIB1	1	4292.5*	Max WS	124.76	343.26	345.06		345.39	0.013613	4.59	27.29	26.97	0.77
TRIB1	1	4243.75*	Max WS	124.77	342.63	344.80		344.98	0.005461	3.40	39.19	45.24	0.51
TRIB1	1	4195	Max WS	124.80	342.00	344.75		344.81	0.001371	2.10	73.03	59.29	0.27
TRIB1	1	4147.5*	Max WS	124.83	341.61	344.68		344.75	0.001512	2.28	62.94	49.90	0.28
TRIB1	1	4100.*	Max WS	124.87	341.21	344.59		344.68	0.001616	2.40	57.16	45.11	0.29
TRIB1	1	4052.5*	Max WS	124.90	340.82	344.51		344.61	0.001744	2.51	52.56	36.12	0.30
TRIB1	1	4005	Max WS	124.94	340.42	344.42		344.53	0.002037	2.66	48.41	29.92	0.32
TRIB1	1	3955.*	Max WS	124.97	340.99	344.27		344.41	0.003073	2.95	43.13	29.66	0.39
TRIB1	1	3905	Max WS	125.01	341.56	343.78		344.11	0.013236	4.61	27.12	23.71	0.76
TRIB1	1	3856.25*	Max WS	125.01	341.04	343.23		343.58	0.014039	4.77	26.24	23.43	0.78
TRIB1	1	3807.5*	Max WS	125.00	340.52	342.69		343.07	0.013260	4.97	25.78	23.98	0.78
TRIB1	1	3758.75*	Max WS	125.00	340.01	342.17		342.57	0.012385	5.18	26.03	24.04	0.76
TRIB1	1	3710	Max WS	124.77	339.49	341.73		342.10	0.009784	5.11	28.65	24.84	0.70
TRIB1	1	3666.*	Max WS	122.66	339.25	341.47		341.71	0.006871	3.97	32.49	27.39	0.57
TRIB1	1	3622.*	Max WS	122.64	339.02	341.32		341.47	0.004482	3.11	39.67	30.38	0.46
TRIB1	1	3578.	Max WS	119.16	338.78	341.23		341.32	0.002550	2.41	49.49	33.54	0.35
TRIB1	2	3534.	Max WS	200.72	338.15	340.89		341.14	0.004268	4.13	53.59	33.51	0.48
TRIB1	2	3490	Max WS	199.74	337.96	340.84		340.99	0.002413	3.16	66.98	38.36	0.37
TRIB1	2	3441.18*	Max WS	198.93	337.67	340.73		340.88	0.002328	3.20	67.90	39.46	0.36
TRIB1	2	3392.36*	Max WS	198.63	337.38	340.62		340.78	0.002244	3.25	69.55	40.85	0.36
TRIB1	2	3343.55*	Max WS	197.20	337.08	340.52		340.67	0.002124	3.27	72.19	43.82	0.35
TRIB1	2	3294.73*	Max WS	196.27	336.79	340.44		340.58	0.001942	3.26	78.69	52.30	0.34
TRIB1	2	3245.91*	Max WS	195.83	336.50	340.38		340.50	0.001602	3.09	91.83	62.34	0.31
TRIB1	2	3197.1	Max WS	195.88	336.21	340.34	338.92	340.43	0.001166	2.76	114.61	74.30	0.27
TRIB1	2	3100		Bridge									
TRIB1	2	3033.95	Max WS	194.40	336.09	340.22		340.28	0.000704	2.12	122.31	68.94	0.21
TRIB1	2	2989.39*	Max WS	194.39	335.91	340.20		340.25	0.000579	2.00	135.41	73.26	0.19
TRIB1	2	2944.84*	Max WS	194.37	335.73	340.18		340.22	0.000477	1.88	150.49	79.89	0.18
TRIB1	2	2900.28*	Max WS	193.91	335.56	340.17		340.20	0.000387	1.75	167.65	85.37	0.16
TRIB1	2	2855.73*	Max WS	193.91	335.38	340.16		340.19	0.000313	1.62	186.36	89.82	0.14
TRIB1	2	2811.17*	Max WS	193.90	335.20	340.15		340.17	0.000252	1.50	206.66	93.63	0.13
TRIB1	2	2766.62*	Max WS	193.89	335.02	340.14		340.16	0.000203	1.39	228.59	97.68	0.12
TRIB1	2	2722.06*	Max WS	193.88	334.85	340.14		340.15	0.000163	1.28	252.27	101.96	0.11
TRIB1	2	2677.51*	Max WS	193.87	334.67	340.13		340.14	0.000132	1.18	278.14	106.96	0.10
TRIB1	2	2632.96	Max WS	193.85	334.49	340.13		340.14	0.000107	1.09	306.83	113.06	0.09
TRIB1	2	2585.95*	Max WS	193.84	333.99	340.13		340.13	0.000066	0.91	364.68	126.87	0.07
TRIB1	2	2538.94*	Max WS	193.82	333.49	340.13		340.13	0.000042	0.77	428.69	140.93	0.06
TRIB1	2	2491.94*	Max WS	193.80	333.00	340.12		340.13	0.000027	0.66	498.73	155.24	0.05
TRIB1	2	2444.93*	Max WS	193.78	332.50	340.12		340.13	0.000018	0.56	575.42	169.76	0.04
TRIB1	2	2397.93	Max WS	193.76	332.00	340.09		340.16	0.000198	2.06	94.27	184.90	0.13
TRIB1	2	2200		Culvert									
TRIB1	2	2065	Max WS	193.76	330.41	332.97		333.40	0.007835	5.28	37.82	44.90	0.65
TRIB1	2	1965	Max WS	193.76	330.41	332.54		332.73	0.005364	3.56	60.86	62.97	0.51
TRIB1	2	1915.*	Max WS	193.75	330.01	332.26		332.46	0.005897	3.65	55.92	56.74	0.53
TRIB1	2	1865.*	Max WS	193.75	329.60	331.94		332.15	0.006558	3.73	52.52	41.63	0.56
TRIB1	2	1815	Max WS	193.69	329.20	331.57		331.81	0.007387	3.87	50.41	40.21	0.59
TRIB1	2	1770.*	Max WS	193.35	328.71	331.30		331.52	0.005522	3.72	53.41	40.40	0.52
TRIB1	2	1725.*	Max WS	204.11	328.22	331.00		331.25	0.005483	4.10	53.21	38.51	0.53
TRIB1	2	1680.*	Max WS	204.78	327.72	330.71		331.01	0.005595	4.53	51.24	37.55	0.55
TRIB1	2	1635	Max WS	204.78	327.23	330.12	329.91	330.72	0.011737	6.46	36.97	27.27	0.79
TRIB1	2	1595.*	Max WS	204.78	326.85	329.70		330.24	0.010782	5.99	38.02	27.05	0.75
TRIB1	2	1555.*	Max WS	204.77	326.47	329.43		329.83	0.007833	5.18	43.32	29.88	0.64
TRIB1	2	1515.*	Max WS	204.77	326.08	329.30		329.56	0.004614	4.20	53.61	34.43	0.50
TRIB1	2	1475	Max WS	204.77	325.70	329.24		329.41	0.002527	3.35	68.08	39.13	0.38
TRIB1	2	1435.00*	Max WS	204.77	325.99	329.17		329.31	0.002252	3.04	73.52	43.14	0.35
TRIB1	2	1395.01	Max WS	204.77	326.28	329.10		329.22	0.002211	2.86	77.21	47.51	0.35
TRIB1	2	1347.50*	Max WS	204.83	326.35	328.96		329.10	0.002935	3.09	72.98	53.16	0.39
TRIB1	2	1300	Max WS	204.89	326.43	328.84		328.97	0.002842	3.00	81.90	75.56	0.39
TRIB1	2	1263.33*	Max WS	204.88	326.11	328.69		328.86	0.003523	3.50	75.98	81.63	0.43
TRIB1	2	1226.66*	Max WS	204.88	325.79	328.46		328.73	0.005759	4.52	66.26	96.45	0.55
TRIB1	2	1190	Max WS	204.87	325.47	328.24	328.24	328.50	0.007794	5.20	77.97	155.22	0.62
ALDER	1	17980	Max WS	72.61	344.61	347.36		347.46	0.004346	2.48	29.28	21.30	0.37

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	1	17934.1*	Max WS	72.61	344.54	347.20		347.29	0.004473	2.50	29.12	22.20	0.38
ALDER	1	17888.3*	Max WS	72.60	344.46	346.99		347.09	0.004886	2.58	28.37	24.14	0.39
ALDER	1	17842.5*	Max WS	72.60	344.39	346.76		346.87	0.005643	2.71	27.24	25.67	0.42
ALDER	1	17796.6*	Max WS	72.60	344.32	346.53		346.66	0.006460	2.84	26.38	27.24	0.45
ALDER	1	17750.8*	Max WS	72.60	344.24	346.30		346.43	0.007393	2.96	25.71	29.30	0.48
ALDER	1	17705	Max WS	72.60	344.17	346.04		346.19	0.009284	3.18	24.38	31.40	0.53
ALDER	1	17663.7*	Max WS	72.71	343.76	345.80		345.94	0.007377	3.12	25.31	28.82	0.48
ALDER	1	17622.5*	Max WS	72.82	343.35	345.58		345.72	0.006165	3.12	26.00	27.43	0.45
ALDER	1	17581.2*	Max WS	72.93	342.93	345.33		345.49	0.006088	3.31	25.32	26.00	0.45
ALDER	1	17540	Max WS	73.04	342.52	345.17		345.33	0.005624	3.45	26.02	27.11	0.44
ALDER	1	17490.4*	Max WS	73.16	342.38	344.87		345.04	0.006260	3.52	25.47	28.09	0.46
ALDER	1	17440.9*	Max WS	73.28	342.24	344.57		344.75	0.007037	3.59	24.95	29.17	0.49
ALDER	1	17391.3*	Max WS	73.40	342.11	344.29		344.47	0.007822	3.66	24.57	30.57	0.51
ALDER	1	17341.8*	Max WS	73.52	341.97	344.03		344.20	0.008215	3.64	24.98	33.50	0.52
ALDER	1	17292.2*	Max WS	73.65	341.83	343.78		343.95	0.008134	3.54	26.07	36.93	0.52
ALDER	1	17242.7*	Max WS	73.77	341.69	343.55		343.70	0.007783	3.40	27.67	41.19	0.51
ALDER	1	17193.1*	Max WS	73.89	341.55	343.33		343.45	0.007155	3.21	29.67	44.52	0.48
ALDER	1	17143.6*	Max WS	74.02	341.41	343.11		343.21	0.006301	2.97	32.09	46.38	0.45
ALDER	1	17094.0*	Max WS	74.14	341.28	342.89		342.98	0.005684	2.77	34.23	47.98	0.43
ALDER	1	17044.5*	Max WS	74.26	341.14	342.63		342.71	0.005789	2.70	34.80	48.92	0.43
ALDER	1	16995	Max WS	74.38	341.00	342.39		342.46	0.005590	2.58	36.14	50.85	0.42
ALDER	1	16950.8*	Max WS	74.49	340.58	342.11		342.21	0.007357	2.93	32.44	51.64	0.48
ALDER	1	16906.6*	Max WS	74.61	340.17	341.80		341.94	0.010178	3.33	27.96	48.17	0.56
ALDER	1	16862.5*	Max WS	74.72	339.76	341.47		341.66	0.014439	3.79	24.00	48.53	0.65
ALDER	1	16818.3*	Max WS	74.84	339.34	341.11	341.12	341.36	0.020286	4.20	21.20	51.70	0.76
ALDER	1	16774.1*	Max WS	68.28	338.93	340.75	340.70	340.95	0.018974	3.88	21.24	47.81	0.73
ALDER	1	16730	Max WS	73.23	338.51	340.36	340.33	340.78	0.033482	5.22	14.02	41.87	0.96
ALDER	1	16684.2*	Max WS	75.18	338.02	339.97	339.93	340.21	0.019141	4.09	21.63	41.68	0.74
ALDER	1	16638.5*	Max WS	75.28	337.54	339.60		339.83	0.016338	3.93	20.76	36.62	0.69
ALDER	1	16592.8*	Max WS	75.40	337.05	339.16		339.38	0.014502	3.77	20.01	19.23	0.65
ALDER	1	16547.1*	Max WS	75.51	336.57	338.67		338.88	0.013961	3.70	20.42	19.65	0.64
ALDER	1	16501.4*	Max WS	75.62	336.08	338.16		338.37	0.013841	3.67	20.63	19.98	0.64
ALDER	1	16455.7*	Max WS	75.73	335.60	337.70		337.89	0.012395	3.50	21.61	20.64	0.60
ALDER	1	16410	Max WS	75.85	335.11	337.34		337.49	0.008732	3.06	24.81	22.38	0.51
ALDER	1	16364.1*	Max WS	75.96	334.74	337.00		337.15	0.008586	3.06	24.84	22.11	0.51
ALDER	1	16318.3*	Max WS	76.07	334.37	336.66		336.81	0.008440	3.06	24.87	21.83	0.50
ALDER	1	16272.5*	Max WS	76.18	334.01	336.32		336.47	0.008324	3.06	24.87	21.51	0.50
ALDER	1	16226.6*	Max WS	76.30	333.64	335.98		336.13	0.008207	3.06	24.90	21.28	0.50
ALDER	1	16180.8*	Max WS	76.41	333.27	335.66		335.80	0.007445	3.01	25.42	21.28	0.48
ALDER	1	16135	Max WS	76.52	332.90	335.37		335.50	0.006295	2.90	26.55	21.57	0.45
ALDER	1	16089.*	Max WS	76.63	332.83	335.08		335.23	0.007854	3.14	24.83	23.32	0.49
ALDER	1	16043.*	Max WS	76.74	332.75	334.79		334.96	0.009027	3.33	24.22	27.14	0.53
ALDER	1	15997.*	Max WS	76.84	332.68	334.53		334.69	0.009215	3.37	25.43	33.02	0.54
ALDER	1	15951.*	Max WS	76.97	332.60	334.20		334.36	0.010428	3.46	25.98	36.29	0.57
ALDER	1	15905	Max WS	77.08	332.53	333.91		334.02	0.008356	3.04	32.85	55.46	0.51
ALDER	1	15856.*	Max WS	77.20	331.89	333.50		333.69	0.012621	3.75	24.82	44.75	0.62
ALDER	1	15807.*	Max WS	77.32	331.25	333.13		333.36	0.013286	3.96	22.09	29.98	0.64
ALDER	1	15758.*	Max WS	77.43	330.62	332.77		332.98	0.011985	3.86	23.49	39.52	0.61
ALDER	1	15709.*	Max WS	77.54	329.98	332.55		332.64	0.004379	2.56	37.22	83.81	0.37
ALDER	1	15660	Max WS	77.65	329.34	331.68		332.10	0.024865	5.19	14.97	61.12	0.85
ALDER	1	15611.2*	Max WS	77.65	328.45	330.74	330.60	331.10	0.022715	4.91	16.48	20.13	0.81
ALDER	1	15562.5*	Max WS	77.65	327.57	329.74		330.14	0.025274	5.06	15.36	14.08	0.85
ALDER	1	15513.7*	Max WS	77.64	326.68	328.83		329.18	0.022595	4.76	16.29	15.12	0.81
ALDER	1	15465	Max WS	77.53	325.80	328.41		328.55	0.005965	2.98	26.18	25.91	0.44
ALDER	1	15426.2*	Max WS	90.69	325.47	328.09		328.27	0.007156	3.40	27.34	21.47	0.49
ALDER	1	15387.5*	Max WS	90.68	325.14	327.96		328.08	0.004202	2.91	33.75	27.11	0.38
ALDER	1	15348.7*	Max WS	90.68	324.82	327.90		327.97	0.002126	2.32	46.47	41.12	0.28
ALDER	1	15310	Max WS	90.67	324.49	327.87	326.44	327.91	0.000981	1.74	63.09	43.45	0.19
ALDER	1	15300		Bridge									
ALDER	1	15170	Max WS	89.67	324.73	327.30		327.52	0.011098	3.76	23.85	44.18	0.58
ALDER	1	15125.*	Max WS	87.57	324.30	327.09		327.19	0.004213	2.67	40.80	66.02	0.37
ALDER	1	15080.	Max WS	86.37	323.87	327.05		327.06	0.000579	1.18	104.87	114.72	0.14
ALDER	2a	15035.	Max WS	289.37	323.45	326.83		326.95	0.004199	3.48	124.00	118.32	0.40
ALDER	2a	14990.*	Max WS	289.37	323.02	326.69		326.79	0.002999	3.13	133.87	114.18	0.34
ALDER	2a	14945	Max WS	289.33	322.59	326.66		326.69	0.000760	1.71	235.92	142.51	0.18
ALDER	2a	14899.1*	Max WS	303.57	322.52	326.52		326.62	0.002348	2.94	138.78	95.35	0.31
ALDER	2a	14853.3*	Max WS	303.57	322.44	326.39		326.51	0.002645	3.05	119.57	67.87	0.33
ALDER	2a	14807.5*	Max WS	303.57	322.36	326.25		326.38	0.002994	3.17	110.91	63.23	0.35
ALDER	2a	14761.6*	Max WS	303.69	322.29	326.09		326.24	0.003318	3.25	104.32	59.97	0.36
ALDER	2a	14715.8*	Max WS	303.82	322.22	325.92		326.09	0.003591	3.29	99.89	61.30	0.37
ALDER	2a	14670	Max WS	303.94	322.14	325.93		325.95	0.000666	1.45	281.93	196.07	0.16
ALDER	2a	14623.*	Max WS	305.42	322.14	325.87		325.91	0.001157	1.81	225.55	179.42	0.21
ALDER	2a	14576.*	Max WS	305.55	322.15	325.81		325.85	0.001331	1.86	212.74	156.20	0.22
ALDER	2a	14529.*	Max WS	305.67	322.15	325.75		325.78	0.001398	1.82	211.42	154.28	0.23
ALDER	2a	14482.*	Max WS	305.79	322.16	325.68		325.72	0.001390	1.73	212.43	150.25	0.22
ALDER	2a	14435	Max WS	305.92	322.16	325.62		325.65	0.001255	1.57	217.07	142.55	0.21
ALDER	2a	14385.*	Max WS	305.91	322.17	325.28		325.50	0.009142	3.89	97.79	143.16	0.56
ALDER	2a	14335.*	Max WS	305.90	322.19	324.94		325.09	0.008499	3.38	110.85	131.45	0.52
ALDER	2a	14285.*	Max WS	305.88	322.21	324.65		324.74	0.006272	2.60	132.38	142.26	0.44
ALDER	2a	14235	Max WS	305.88	322.22	324.45		324.51	0.003805	1.83	156.07	144.84	0.33
ALDER	2a	14192.*	Max WS	305.87	321.32	323.74		324.08	0.020552	4.66	65.65	61.14	0.79

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	14149.*	Max WS	305.87	320.42	322.87		323.24	0.020173	4.86	63.00	54.96	0.79
ALDER	2a	14106.*	Max WS	305.87	319.52	322.07		322.45	0.017279	4.97	61.82	48.26	0.75
ALDER	2a	14063.*	Max WS	305.87	318.62	321.58		321.88	0.008728	4.41	71.20	44.23	0.56
ALDER	2a	14020	Max WS	305.86	317.72	321.37		321.61	0.004339	3.95	83.42	41.01	0.42
ALDER	2a	13975.*	Max WS	305.96	317.79	321.20		321.41	0.004270	3.81	86.50	44.72	0.41
ALDER	2a	13930.*	Max WS	306.07	317.86	321.01		321.22	0.004432	3.73	88.43	49.59	0.42
ALDER	2a	13885.*	Max WS	306.17	317.93	320.81		321.02	0.005009	3.76	88.33	56.16	0.44
ALDER	2a	13840	Max WS	306.27	318.00	320.51		320.75	0.006863	4.02	83.00	62.89	0.50
ALDER	2a	13795.*	Max WS	306.40	317.57	320.19		320.44	0.007421	4.16	82.97	65.15	0.52
ALDER	2a	13750	Max WS	306.52	317.13	319.83		320.09	0.008336	4.33	81.72	65.68	0.55
ALDER	2a	13703.7*	Max WS	306.63	316.85	319.46		319.72	0.008207	4.26	81.16	63.37	0.55
ALDER	2a	13657.5*	Max WS	304.07	316.57	319.08		319.33	0.008096	4.17	80.63	62.59	0.54
ALDER	2a	13611.2*	Max WS	304.12	316.28	318.72		318.97	0.007786	4.06	81.55	62.92	0.53
ALDER	2a	13565	Max WS	306.97	316.00	318.02		318.42	0.016724	5.10	61.56	55.80	0.75
ALDER	2a	13525.*	Max WS	307.06	315.33	317.49		317.83	0.012157	4.68	66.45	45.44	0.65
ALDER	2a	13485.*	Max WS	307.12	314.67	317.27		317.48	0.005299	3.67	85.47	46.42	0.45
ALDER	2a	13445	Max WS	307.22	314.00	317.20		317.33	0.002278	2.86	110.93	47.72	0.31
ALDER	2a	13399.*	Max WS	307.30	313.79	317.12		317.23	0.002048	2.68	118.94	53.06	0.29
ALDER	2a	13353.*	Max WS	307.38	313.57	317.05		317.14	0.001813	2.50	128.69	59.66	0.27
ALDER	2a	13307.*	Max WS	307.42	313.36	316.99		317.07	0.001558	2.31	141.67	68.88	0.25
ALDER	2a	13261.*	Max WS	307.50	313.14	316.94		317.00	0.001284	2.10	160.58	83.17	0.23
ALDER	2a	13215	Max WS	307.58	312.93	316.91		316.96	0.000913	1.78	205.36	124.91	0.19
ALDER	2a	13187.5*	Max WS	307.71	312.72	316.84		316.92	0.001406	2.30	156.72	87.18	0.24
ALDER	2a	13160	Max WS	307.83	312.52	316.71		316.86	0.002853	3.33	112.51	67.72	0.34
ALDER	2a	13132.5*	Max WS	307.91	311.79	316.62		316.78	0.002636	3.31	107.85	60.31	0.33
ALDER	2a	13105	Max WS	307.99	311.06	316.59		316.71	0.001873	2.90	134.59	98.26	0.28
ALDER	2a	13056.6*	Max WS	308.08	311.09	316.43		316.61	0.002670	3.42	99.05	53.14	0.33
ALDER	2a	13008.3*	Max WS	308.19	311.12	316.26		316.47	0.003305	3.75	90.06	43.85	0.37
ALDER	2a	12960.*	Max WS	308.29	311.15	316.04		316.29	0.004280	4.16	81.64	41.53	0.42
ALDER	2a	12911.6*	Max WS	308.39	311.19	315.74		316.06	0.005975	4.70	73.30	40.81	0.49
ALDER	2a	12863.3*	Max WS	308.49	311.22	315.22		315.68	0.010864	5.71	61.84	41.44	0.64
ALDER	2a	12815	Max WS	308.60	311.25	314.95		315.22	0.008530	4.85	85.78	81.37	0.56
ALDER	2a	12771.6*	Max WS	308.71	310.83	314.44		314.85	0.010991	5.64	74.40	78.67	0.64
ALDER	2a	12728.3*	Max WS	308.82	310.42	313.97		314.40	0.010346	5.63	66.01	57.88	0.63
ALDER	2a	12685	Max WS	308.91	310.00	313.55		313.94	0.008927	5.38	67.89	42.75	0.59
ALDER	2a	12645.*	Max WS	309.01	309.72	313.14	312.80	313.58	0.011341	5.64	66.68	81.08	0.66
ALDER	2a	12605.*	Max WS	309.09	309.44	312.85		313.12	0.008477	4.69	90.54	101.33	0.56
ALDER	2a	12565	Max WS	309.17	309.16	312.76		312.85	0.003175	2.93	139.97	110.21	0.34
ALDER	2a	12530.*	Max WS	309.25	309.44	312.64		312.74	0.003611	3.05	132.47	111.49	0.37
ALDER	2a	12495.*	Max WS	309.33	309.72	312.48		312.61	0.004723	3.30	120.10	112.03	0.42
ALDER	2a	12460	Max WS	309.41	310.00	311.89	311.84	312.32	0.021832	5.47	63.42	70.45	0.84
ALDER	2a	12412.5*	Max WS	309.52	308.39	311.06		311.49	0.014714	5.44	63.97	56.86	0.72
ALDER	2a	12365	Max WS	309.63	306.78	310.70		310.95	0.006236	4.49	92.69	80.48	0.49
ALDER	2a	12328.3*	Max WS	309.70	306.71	310.47		310.72	0.006280	4.43	90.04	74.58	0.49
ALDER	2a	12291.6*	Max WS	309.79	306.64	310.26		310.50	0.006003	4.28	90.40	71.66	0.48
ALDER	2a	12255	Max WS	309.87	306.57	310.07		310.29	0.005441	4.05	95.12	100.67	0.46
ALDER	2a	12215.*	Max WS	309.96	306.18	309.82		310.08	0.006014	4.23	85.67	69.10	0.48
ALDER	2a	12175.*	Max WS	310.05	305.79	309.56		309.83	0.006400	4.31	79.72	56.83	0.50
ALDER	2a	12135	Max WS	310.14	305.40	309.29		309.57	0.006546	4.32	76.19	49.35	0.50
ALDER	2a	12093.3*	Max WS	310.24	305.11	308.98		309.30	0.007269	4.59	74.00	51.31	0.53
ALDER	2a	12051.6*	Max WS	310.34	304.83	308.65		309.00	0.007871	4.84	72.37	51.78	0.55
ALDER	2a	12010	Max WS	310.43	304.54	308.32		308.68	0.008184	5.03	71.87	52.31	0.55
ALDER	2a	11971.6*	Max WS	310.53	304.36	307.99		308.36	0.008863	5.17	72.63	56.09	0.58
ALDER	2a	11933.3*	Max WS	310.62	304.18	307.70		308.02	0.008236	4.99	80.65	68.56	0.56
ALDER	2a	11895	Max WS	310.71	304.00	307.56		307.73	0.004627	3.91	110.01	86.13	0.43
ALDER	2a	11846.6*	Max WS	310.81	303.80	307.38		307.52	0.004296	3.45	114.40	86.28	0.40
ALDER	2a	11798.3*	Max WS	310.90	303.59	307.18		307.32	0.004637	3.29	115.35	89.61	0.41
ALDER	2a	11750	Max WS	311.00	303.39	306.93		307.08	0.005672	3.41	108.71	88.58	0.45
ALDER	2a	11703.3*	Max WS	311.10	303.15	306.53		306.78	0.008749	4.13	86.78	93.19	0.55
ALDER	2a	11656.6*	Max WS	311.21	302.90	306.12		306.38	0.009227	4.13	81.54	70.44	0.57
ALDER	2a	11610	Max WS	311.31	302.66	305.71		305.95	0.009440	4.02	82.87	74.27	0.57
ALDER	2a	11560.*	Max WS	311.42	302.16	305.20		305.47	0.009876	4.22	74.79	53.07	0.58
ALDER	2a	11510.*	Max WS	311.54	301.66	304.70		304.99	0.009724	4.30	72.82	46.49	0.58
ALDER	2a	11460.*	Max WS	311.65	301.16	304.21		304.51	0.009456	4.38	71.44	42.67	0.58
ALDER	2a	11410.*	Max WS	311.76	300.67	303.74		304.05	0.009197	4.47	70.10	39.75	0.57
ALDER	2a	11360.*	Max WS	311.87	300.17	303.28		303.60	0.009001	4.57	68.61	37.38	0.57
ALDER	2a	11310.*	Max WS	311.99	299.67	302.80		303.15	0.009209	4.75	66.22	35.66	0.58
ALDER	2a	11260	Max WS	312.10	299.17	302.12		302.60	0.013610	5.52	56.70	32.08	0.70
ALDER	2a	11219.*	Max WS	312.19	298.45	301.55		302.04	0.014327	5.62	55.50	28.87	0.71
ALDER	2a	11178.*	Max WS	312.28	297.72	300.95		301.46	0.014540	5.75	54.29	27.49	0.72
ALDER	2a	11137.*	Max WS	312.37	297.00	300.37		300.89	0.013984	5.76	54.26	26.44	0.71
ALDER	2a	11096.*	Max WS	312.46	296.27	299.92		300.37	0.011251	5.38	58.03	26.13	0.64
ALDER	2a	11055	Max WS	312.55	295.55	299.65		299.99	0.007558	4.68	66.82	26.64	0.52
ALDER	2a	11012.*	Max WS	312.65	295.50	299.36		299.67	0.007274	4.49	69.57	29.56	0.52
ALDER	2a	10969.*	Max WS	312.74	295.45	299.08		299.37	0.006946	4.29	72.96	32.79	0.51
ALDER	2a	10926.*	Max WS	312.84	295.41	298.83		299.09	0.006377	4.03	77.73	37.02	0.49
ALDER	2a	10883.*	Max WS	312.94	295.36	298.62		298.84	0.005458	3.69	84.91	42.20	0.45
ALDER	2a	10840	Max WS	313.03	295.31	298.47		298.64	0.003938	3.28	96.67	48.90	0.39
ALDER	2a	10793.6*	Max WS	313.13	295.05	298.27		298.45	0.004373	3.38	93.43	48.01	0.41
ALDER	2a	10747.3*	Max WS	313.23	294.78	298.05		298.24	0.004964	3.50	89.87	47.05	0.43
ALDER	2a	10701.0*	Max WS	313.33	294.52	297.79		298.00	0.005647	3.65	86.04	45.47	0.46

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2a	10654.7*	Max WS	313.44	294.25	297.49		297.72	0.006640	3.86	81.23	42.23	0.49
ALDER	2a	10608.41	Max WS	313.54	293.99	297.12		297.39	0.008082	4.20	74.73	39.60	0.54
ALDER	2a	10566.3*	Max WS	313.63	293.60	296.74		297.04	0.009199	4.44	71.16	44.00	0.57
ALDER	2a	10524.2*	Max WS	313.72	293.21	296.32		296.66	0.009854	4.74	69.81	50.95	0.60
ALDER	2a	10482.1*	Max WS	313.81	292.83	295.79		296.21	0.012153	5.33	65.09	49.92	0.67
ALDER	2a	10440	Max WS	313.90	292.44	295.01	295.08	295.76	0.026013	7.23	48.86	41.60	0.96
ALDER	2a	10391.6*	Max WS	313.91	291.00	293.85	293.87	294.65	0.023572	7.34	47.13	33.93	0.92
ALDER	2a	10343.3*	Max WS	313.90	289.56	292.98		293.59	0.013750	6.46	54.56	31.97	0.73
ALDER	2a	10295	Max WS	313.90	288.12	292.83	291.50	293.11	0.003939	4.49	83.08	33.97	0.41
ALDER	2a	10200		Bridge									
ALDER	2a	10103.5	Max WS	313.90	287.85	290.99		291.20	0.005375	3.65	89.81	53.74	0.45
ALDER	2a	10055.7*	Max WS	313.90	287.78	290.76		290.94	0.005358	3.46	93.66	59.10	0.44
ALDER	2a	10007.8*	Max WS	313.89	287.71	290.50		290.67	0.005931	3.41	93.93	63.04	0.46
ALDER	2a	9960	Max WS	313.86	287.64	290.08		290.31	0.009828	3.81	82.62	62.70	0.57
ALDER	2a	9915.*	Max WS	317.33	287.01	289.66		289.89	0.009056	3.84	82.90	58.80	0.55
ALDER	2a	9870.*	Max WS	318.44	286.38	289.32		289.53	0.007220	3.70	86.71	56.33	0.50
ALDER	2a	9825.*	Max WS	257.71	285.74	289.13		289.24	0.002940	2.68	98.63	57.08	0.33
ALDER	2a	9780	Max WS	257.68	285.11	289.06		289.14	0.001682	2.32	120.47	69.52	0.26
ALDER	2a	9732.5*	Max WS	256.05	285.27	288.99		289.06	0.001526	2.33	130.77	70.78	0.25
ALDER	2a	9685	Max WS	254.88	285.42	288.93		288.99	0.001274	2.26	139.41	62.91	0.23
ALDER	2a	9642.5	Max WS	253.99	285.67	288.87		288.94	0.001252	2.21	136.76	62.79	0.23
ALDER	2	9600.	Max WS	573.92	285.33	288.22		288.66	0.009709	5.41	112.83	57.43	0.62
ALDER	2	9557.5*	Max WS	573.77	284.74	287.86		288.28	0.009043	5.32	114.07	56.15	0.60
ALDER	2	9515.*	Max WS	573.66	284.16	287.49		287.92	0.008774	5.29	114.18	55.38	0.59
ALDER	2	9472.5*	Max WS	573.52	283.57	287.09		287.54	0.009320	5.40	111.23	54.62	0.61
ALDER	2	9430	Max WS	573.33	282.99	286.52		287.08	0.013566	6.07	97.70	52.33	0.72
ALDER	2	9391.66*	Max WS	573.13	282.38	286.01		286.58	0.013170	6.11	97.43	50.96	0.71
ALDER	2	9353.33*	Max WS	572.91	281.77	285.60		286.14	0.011272	5.92	101.57	50.83	0.67
ALDER	2	9315	Max WS	572.68	281.16	285.32		285.77	0.008254	5.46	112.15	52.01	0.58
ALDER	2	9271.25*	Max WS	572.43	280.79	284.98		285.42	0.008437	5.43	112.01	53.34	0.59
ALDER	2	9227.5*	Max WS	572.19	280.42	284.61		285.06	0.008911	5.46	110.66	54.84	0.60
ALDER	2	9183.75*	Max WS	571.99	280.04	284.19		284.67	0.010108	5.61	106.93	57.04	0.63
ALDER	2	9140	Max WS	565.62	279.67	283.68		284.23	0.013197	5.99	98.00	62.35	0.71
ALDER	2	9105.*	Max WS	566.48	279.22	283.33		283.82	0.011027	5.60	105.27	64.38	0.65
ALDER	2	9070.*	Max WS	567.51	278.76	283.10		283.48	0.007905	5.00	120.33	70.70	0.56
ALDER	2	9035	Max WS	568.43	278.31	282.98		283.25	0.004902	4.25	145.77	80.02	0.45
ALDER	2	8996.25*	Max WS	569.87	278.16	282.76		283.06	0.005260	4.48	139.93	72.01	0.47
ALDER	2	8957.5*	Max WS	572.77	278.01	282.48		282.84	0.006195	4.87	130.27	67.37	0.51
ALDER	2	8918.75*	Max WS	578.41	277.86	282.10		282.58	0.008638	5.62	114.05	62.01	0.60
ALDER	2	8880	Max WS	580.89	277.71	281.52	281.30	282.30	0.016312	7.16	88.05	51.38	0.80
ALDER	2	8833.75*	Max WS	578.93	277.36	280.84		281.52	0.015682	6.69	90.94	48.97	0.78
ALDER	2	8787.5*	Max WS	578.41	277.01	280.23		280.83	0.014686	6.23	96.84	52.56	0.75
ALDER	2	8741.25*	Max WS	577.86	276.66	279.69		280.20	0.013504	5.80	103.83	57.38	0.71
ALDER	2	8695	Max WS	577.21	276.31	279.04		279.56	0.016061	5.85	102.22	61.64	0.76
ALDER	2	8645.*	Max WS	576.93	275.29	278.26		278.82	0.016348	6.01	98.79	58.75	0.77
ALDER	2	8595.*	Max WS	576.19	274.26	277.48		278.06	0.016245	6.11	95.74	55.27	0.77
ALDER	2	8545.*	Max WS	575.08	273.23	276.77		277.32	0.014089	5.96	96.84	49.09	0.73
ALDER	2	8495	Max WS	574.43	272.21	276.33		276.74	0.008214	5.15	111.96	46.73	0.57
ALDER	2	8450.*	Max WS	574.10	271.92	275.98		276.39	0.008597	5.09	112.77	46.92	0.58
ALDER	2	8405.*	Max WS	576.33	271.63	275.65		276.04	0.008227	5.01	114.92	47.34	0.57
ALDER	2	8360.*	Max WS	576.26	271.35	275.33		275.70	0.007617	4.87	118.36	48.12	0.55
ALDER	2	8315.*	Max WS	574.96	271.06	275.06		275.39	0.006611	4.61	124.60	49.35	0.51
ALDER	2	8270.*	Max WS	574.89	270.77	274.85		275.13	0.005390	4.28	134.33	51.08	0.47
ALDER	2	8225	Max WS	573.58	270.48	274.71		274.93	0.003960	3.81	155.97	67.23	0.40
ALDER	2	8179.28*	Max WS	573.54	270.30	274.52		274.75	0.004136	3.86	153.62	67.16	0.41
ALDER	2	8133.57*	Max WS	573.47	270.12	274.33		274.56	0.004318	3.91	151.39	67.26	0.42
ALDER	2	8087.85*	Max WS	573.36	269.94	274.13		274.37	0.004488	3.96	149.41	67.68	0.43
ALDER	2	8042.14*	Max WS	573.21	269.77	273.93		274.18	0.004567	3.99	148.30	69.19	0.43
ALDER	2	7996.42*	Max WS	573.05	269.59	273.74		273.99	0.004455	4.00	148.31	68.81	0.43
ALDER	2	7950.71*	Max WS	572.87	269.41	273.56		273.80	0.004220	4.00	149.69	70.41	0.42
ALDER	2	7905	Max WS	572.69	269.23	273.39	271.98	273.63	0.003867	3.94	155.96	81.48	0.40
ALDER	2	7800		Bridge									
ALDER	2	7730	Max WS	572.65	268.03	272.05		272.38	0.006407	4.62	131.25	68.05	0.51
ALDER	2	7683.33*	Max WS	572.61	267.77	271.68		272.06	0.007942	4.96	116.74	52.50	0.56
ALDER	2	7636.66*	Max WS	572.56	267.51	271.33		271.71	0.008012	4.97	115.76	50.71	0.56
ALDER	2	7590	Max WS	572.50	267.25	271.07		271.40	0.006085	4.57	125.98	50.99	0.50
ALDER	2	7545.*	Max WS	572.42	266.83	270.76		271.12	0.006947	4.78	120.09	48.70	0.53
ALDER	2	7500.*	Max WS	572.34	266.41	270.47		270.82	0.006910	4.79	119.65	47.12	0.52
ALDER	2	7455.*	Max WS	571.99	265.99	270.24		270.56	0.005617	4.51	126.87	46.16	0.48
ALDER	2	7410	Max WS	571.98	265.57	270.10		270.35	0.003812	4.02	142.34	45.63	0.40
ALDER	2	7368.75*	Max WS	571.97	265.50	269.87		270.17	0.004834	4.41	130.08	44.86	0.45
ALDER	2	7327.5*	Max WS	571.96	265.43	269.61		269.96	0.005913	4.78	120.46	44.14	0.49
ALDER	2	7286.25*	Max WS	571.94	265.36	269.32		269.71	0.006646	5.05	114.76	43.73	0.52
ALDER	2	7245	Max WS	571.92	265.29	269.06		269.45	0.006394	5.08	115.45	44.59	0.52
ALDER	2	7205.*	Max WS	571.89	264.89	268.74		269.20	0.007502	5.48	109.62	45.20	0.56
ALDER	2	7165.*	Max WS	571.86	264.49	268.42		268.91	0.007974	5.73	108.47	46.61	0.58
ALDER	2	7125	Max WS	571.81	264.09	268.20		268.64	0.006694	5.53	117.98	50.29	0.54
ALDER	2	7085.*	Max WS	571.75	264.08	268.09		268.39	0.004937	4.46	138.26	60.44	0.46
ALDER	2	7045.*	Max WS	571.40	264.08	267.96		268.20	0.004500	3.94	150.34	69.01	0.43
ALDER	2	7005.*	Max WS	571.39	264.08	267.80		268.02	0.004931	3.75	153.72	74.87	0.44
ALDER	2	6965	Max WS	571.38	264.07	267.56		267.79	0.006264	3.87	147.81	74.18	0.48

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	2	6922.5*	Max WS	571.36	263.59	267.27		267.53	0.006650	4.11	138.94	66.36	0.50
ALDER	2	6880.*	Max WS	571.32	263.11	266.97		267.26	0.006693	4.31	132.61	59.18	0.51
ALDER	2	6837.5*	Max WS	571.28	262.63	266.69		267.00	0.006316	4.42	129.30	52.96	0.50
ALDER	2	6795	Max WS	571.24	262.15	266.45		266.75	0.005600	4.43	128.98	47.66	0.47
ALDER	2	6752.5*	Max WS	571.21	261.76	266.17		266.50	0.006434	4.61	123.79	47.89	0.51
ALDER	2	6710.*	Max WS	571.17	261.36	265.85		266.21	0.007413	4.81	118.73	48.06	0.54
ALDER	2	6667.5*	Max WS	571.13	260.97	265.49		265.88	0.008119	5.00	114.56	48.21	0.56
ALDER	2	6625	Max WS	570.88	260.58	265.29		265.60	0.005892	4.60	140.14	80.14	0.49
ALDER	2	6586.25*	Max WS	570.87	260.38	265.03		265.38	0.006267	4.80	130.85	78.54	0.51
ALDER	2	6547.5*	Max WS	570.84	260.18	264.75		265.13	0.006693	4.99	121.77	66.71	0.52
ALDER	2	6508.75*	Max WS	570.82	259.98	264.46		264.86	0.007106	5.16	117.23	59.65	0.54
ALDER	2	6470	Max WS	570.81	259.78	264.23	263.28	264.61	0.006516	5.02	128.00	71.65	0.52
ALDER	2	6400		Bridge									
ALDER	2	6320	Max WS	529.88	258.60	263.70		263.87	0.002354	3.33	181.71	91.32	0.32
ALDER	2	6275.*	Max WS	529.02	258.80	263.63		263.77	0.002052	3.10	194.49	91.93	0.30
ALDER	2	6230.*	Max WS	527.97	259.00	263.56		263.68	0.001797	2.89	208.72	95.01	0.28
ALDER	2	6185	Max WS	527.96	259.20	263.50		263.60	0.001573	2.69	224.68	98.98	0.26
ALDER	2	6145.*	Max WS	802.42	258.97	262.94		263.32	0.006749	5.06	170.39	76.29	0.53
ALDER	2	6105.*	Max WS	791.96	258.75	262.59		263.03	0.008531	5.45	157.53	79.92	0.59
ALDER	2	6065	Max WS	802.40	258.52	262.05		262.65	0.013619	6.36	141.33	98.91	0.73
ALDER	2	6021.25*	Max WS	804.08	258.33	261.57		262.08	0.012659	5.78	146.05	107.65	0.69
ALDER	2	5977.5*	Max WS	803.99	258.14	261.21		261.60	0.010084	5.03	164.06	100.65	0.62
ALDER	2	5933.75*	Max WS	803.98	257.96	260.97		261.24	0.006911	4.21	196.87	116.49	0.51
ALDER	2	5890	Max WS	803.96	257.77	260.83		261.01	0.004168	3.42	245.56	135.55	0.40
ALDER	2	5841.50*	Max WS	804.11	257.25	260.63		260.82	0.003946	3.53	236.59	122.27	0.40
ALDER	2	5793.01*	Max WS	804.26	256.72	260.43		260.64	0.003849	3.68	226.52	107.31	0.40
ALDER	2	5744.51*	Max WS	804.41	256.20	260.23		260.46	0.004043	3.94	214.91	101.37	0.41
ALDER	2	5696.02*	Max WS	804.56	255.67	259.97		260.26	0.004676	4.37	198.69	91.79	0.45
ALDER	2	5647.53	Max WS	804.72	255.15	259.58		260.00	0.006953	5.29	167.53	81.07	0.54
ALDER	2	5605.44*	Max WS	804.84	255.15	259.41		259.72	0.005652	4.55	190.14	92.64	0.48
ALDER	2	5563.35*	Max WS	804.99	255.15	259.26		259.51	0.004840	4.04	210.57	103.66	0.44
ALDER	2	5521.26*	Max WS	805.14	255.15	259.11		259.31	0.004343	3.67	228.28	112.71	0.42
ALDER	2	5479.17*	Max WS	805.29	255.15	258.96		259.14	0.004030	3.40	243.96	125.59	0.40
ALDER	2	5437.08*	Max WS	805.44	255.15	258.82		258.98	0.003813	3.19	262.05	155.57	0.38
ALDER	2	5395	Max WS	805.52	255.15	258.68		258.82	0.003684	3.01	279.37	171.16	0.37
ALDER	2	5351.42*	Max WS	829.21	254.95	258.48		258.65	0.004090	3.26	270.38	169.02	0.39
ALDER	2	5307.85*	Max WS	829.19	254.74	258.29		258.47	0.004331	3.45	262.81	168.03	0.41
ALDER	2	5264.28*	Max WS	829.18	254.54	258.07		258.27	0.004826	3.72	251.74	161.49	0.43
ALDER	2	5220.71*	Max WS	829.16	254.34	257.81		258.05	0.005870	4.13	235.63	159.20	0.48
ALDER	2	5177.14*	Max WS	829.06	254.14	257.40		257.75	0.009358	5.03	202.54	158.34	0.60
ALDER	2	5133.57*	Max WS	829.14	253.93	256.92		257.29	0.013084	5.59	212.98	211.48	0.70
ALDER	2	5090	Max WS	772.44	253.73	256.69	255.77	256.81	0.004796	3.47	311.17	213.60	0.43
ALDER	2	5000		Bridge									
ALDER	2	4965	Max WS	829.09	253.15	255.94		256.11	0.005842	3.46	257.94	178.84	0.46
ALDER	2	4922.5*	Max WS	829.08	252.85	255.66		255.86	0.006243	3.72	248.66	188.89	0.48
ALDER	2	4880.*	Max WS	829.19	252.55	255.34		255.59	0.007110	4.07	229.11	183.54	0.51
ALDER	2	4837.5*	Max WS	829.30	252.26	254.97		255.26	0.008506	4.48	208.45	151.09	0.56
ALDER	2	4795	Max WS	829.32	251.96	254.52		254.87	0.011354	5.05	194.51	269.49	0.65
ALDER	2	4758.33*	Max WS	844.03	251.55	254.02		254.41	0.012994	5.24	177.95	147.66	0.69
ALDER	2	4721.66*	Max WS	844.13	251.15	253.56		253.94	0.012696	5.11	181.17	124.06	0.68
ALDER	2	4685	Max WS	844.23	250.74	253.21		253.52	0.009958	4.63	199.43	129.65	0.60
ALDER	2	4639.*	Max WS	844.45	250.11	252.57		252.99	0.013173	5.20	164.59	102.83	0.69
ALDER	2	4593.*	Max WS	844.58	249.48	252.06		252.43	0.011146	4.90	175.35	104.30	0.64
ALDER	2	4547.*	Max WS	844.78	248.86	251.75		252.02	0.006662	4.15	210.39	114.13	0.50
ALDER	2	4501.*	Max WS	844.78	248.23	251.63		251.79	0.003185	3.27	279.67	156.43	0.36
ALDER	2	4455	Max WS	844.99	247.60	251.59		251.68	0.001355	2.42	418.11	208.40	0.24
ALDER	2	4406.66*	Max WS	846.74	247.58	251.46		251.60	0.002126	3.01	308.68	151.74	0.30
ALDER	2	4358.33*	Max WS	846.73	247.55	251.28		251.47	0.003051	3.55	249.19	97.02	0.36
ALDER	2	4310	Max WS	846.72	247.53	250.97		251.28	0.005319	4.46	192.99	75.09	0.47
ALDER	2	4271.25	Max WS	846.71	246.65	250.78		251.09	0.004540	4.65	201.27	76.26	0.45
ALDER	3	4232.5	Max WS	921.11	246.21	250.58		250.89	0.005884	5.77	222.92	78.07	0.52
ALDER	3	4193.75*	Max WS	921.09	245.99	250.39		250.67	0.005482	5.44	231.67	81.08	0.49
ALDER	3	4155	Max WS	920.98	245.77	250.21		250.46	0.005093	5.13	241.18	84.31	0.47
ALDER	3	4118.33*	Max WS	921.03	245.51	249.96		250.28	0.005784	5.77	227.38	84.90	0.51
ALDER	3	4081.66*	Max WS	921.08	245.25	249.79		250.08	0.004743	5.49	237.20	83.39	0.47
ALDER	3	4045	Max WS	921.13	244.99	249.67		249.93	0.003668	5.06	261.22	89.68	0.42
ALDER	3	4002.5*	Max WS	921.18	244.99	249.51		249.77	0.003702	4.96	263.67	96.64	0.42
ALDER	3	3960.*	Max WS	921.05	244.99	249.36		249.62	0.003773	4.87	265.84	104.59	0.42
ALDER	3	3917.5*	Max WS	921.11	244.99	249.19		249.46	0.004002	4.86	269.83	122.65	0.43
ALDER	3	3875	Max WS	921.16	244.99	249.15		249.30	0.002651	3.90	373.63	203.91	0.35
ALDER	3	3827.5*	Max WS	920.95	244.99	249.00		249.18	0.003170	4.11	346.08	195.83	0.38
ALDER	3	3780.*	Max WS	921.01	244.99	248.84		249.03	0.003650	4.23	326.50	185.58	0.40
ALDER	3	3732.5*	Max WS	921.06	244.99	248.68		248.86	0.003733	4.10	327.67	180.15	0.40
ALDER	3	3685	Max WS	921.09	244.99	248.64		248.70	0.001664	2.70	503.18	247.86	0.27
ALDER	3	3635.83*	Max WS	920.89	244.75	248.51		248.62	0.002280	3.17	410.56	213.55	0.31
ALDER	3	3586.66*	Max WS	920.95	244.52	248.37		248.52	0.002621	3.40	353.67	194.41	0.34
ALDER	3	3537.5*	Max WS	921.00	244.28	248.24		248.40	0.002389	3.27	329.98	161.17	0.32
ALDER	3	3488.33*	Max WS	921.05	244.04	248.16		248.29	0.001861	2.93	345.29	144.89	0.29
ALDER	3	3439.16*	Max WS	921.10	243.81	248.11		248.21	0.001385	2.58	377.72	137.41	0.25
ALDER	3	3390	Max WS	921.15	243.57	248.07		248.15	0.001017	2.27	421.71	138.60	0.21
ALDER	3	3341.87*	Max WS	926.51	243.61	248.01		248.10	0.001108	2.33	413.41	138.72	0.22

HEC-RAS Plan: DEV2YR24HR Profile: Max WS (Continued)

River	Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
ALDER	3	3293.75*	Max WS	926.56	243.64	247.96		248.04	0.001181	2.37	407.19	141.58	0.23
ALDER	3	3245.62*	Max WS	926.60	243.68	247.90		247.99	0.001247	2.40	402.37	143.91	0.23
ALDER	3	3197.5*	Max WS	926.64	243.71	247.84		247.93	0.001301	2.43	399.83	150.19	0.24
ALDER	3	3149.37*	Max WS	926.68	243.75	247.78		247.87	0.001318	2.42	409.81	176.54	0.24
ALDER	3	3101.25*	Max WS	926.71	243.79	247.72		247.81	0.001273	2.37	428.52	181.68	0.24
ALDER	3	3053.12*	Max WS	926.74	243.82	247.68		247.75	0.001172	2.28	456.69	188.79	0.23
ALDER	3	3005	Max WS	926.77	243.86	247.63		247.70	0.001010	2.12	497.94	196.41	0.21
ALDER	3	3000	Max WS	929.25	243.86	247.63	245.71	247.69	0.001023	2.13	496.80	196.35	0.21
ALDER	3	2900		Bridge									
ALDER	3	2850.	Max WS	929.31	243.89	247.13		247.30	0.002994	3.30	292.24	122.34	0.35
ALDER	3	2800.*	Max WS	929.37	243.90	246.91		247.13	0.004270	3.77	254.37	112.38	0.42
ALDER	3	2750	Max WS	929.43	243.91	246.49		246.83	0.008173	4.70	201.14	100.64	0.56
ALDER	3	2704.*	Max WS	932.69	243.45	246.10		246.46	0.008551	4.82	198.54	101.87	0.57
ALDER	3	2658.*	Max WS	932.68	242.99	245.70		246.07	0.009046	4.94	195.66	104.45	0.59
ALDER	3	2612.*	Max WS	932.67	242.53	245.28		245.67	0.009674	5.07	194.41	112.57	0.61
ALDER	3	2566.*	Max WS	932.62	242.07	244.93		245.28	0.008836	4.90	210.83	126.62	0.58
ALDER	3	2520	Max WS	932.61	241.61	244.73		244.96	0.005409	4.06	265.98	143.42	0.46
ALDER	3	2475.*	Max WS	932.61	241.12	244.48		244.72	0.005570	4.24	253.95	132.01	0.47
ALDER	3	2430.*	Max WS	932.60	240.63	244.20		244.48	0.005844	4.46	243.19	126.12	0.49
ALDER	3	2385.*	Max WS	932.58	240.13	243.92		244.22	0.006210	4.71	232.73	123.53	0.51
ALDER	3	2340.*	Max WS	932.56	239.64	243.60		243.96	0.006921	5.07	219.09	124.02	0.54
ALDER	3	2295	Max WS	932.55	239.15	243.23		243.68	0.008336	5.60	201.25	134.09	0.59
ALDER	3	2245.*	Max WS	932.53	239.15	243.07		243.33	0.004671	4.34	265.49	151.93	0.45
ALDER	3	2195.*	Max WS	932.51	239.14	242.99		243.13	0.002335	3.26	356.31	169.72	0.32
ALDER	3	2145	Max WS	932.49	239.14	242.97		243.04	0.001057	2.36	496.65	195.41	0.22
ALDER	3	2101.66*	Max WS	947.34	239.14	242.89		242.98	0.001610	2.84	432.95	179.44	0.27
ALDER	3	2058.33*	Max WS	947.32	239.14	242.77		242.90	0.002524	3.45	368.69	161.12	0.33
ALDER	3	2015	Max WS	947.30	239.14	242.57		242.76	0.004452	4.37	301.26	140.18	0.44
ALDER	3	1969.*	Max WS	947.56	238.77	242.31		242.55	0.005152	4.64	279.39	142.09	0.47
ALDER	3	1923.*	Max WS	947.81	238.39	242.02		242.32	0.005963	4.87	254.62	141.09	0.50
ALDER	3	1877.*	Max WS	948.07	238.02	241.67		242.04	0.007123	5.13	225.63	138.11	0.54
ALDER	3	1831.*	Max WS	948.34	237.64	241.32		241.71	0.007725	5.13	205.50	116.34	0.56
ALDER	3	1785	Max WS	948.60	237.27	240.98		241.36	0.007898	4.99	200.46	107.96	0.56
ALDER	3	1740.*	Max WS	948.86	236.84	240.64		241.02	0.008273	4.97	199.13	109.12	0.57
ALDER	3	1695.*	Max WS	949.10	236.41	240.31		240.67	0.008219	4.87	200.84	109.20	0.57
ALDER	3	1650.*	Max WS	949.35	235.98	240.01		240.34	0.007382	4.64	209.50	110.15	0.54
ALDER	3	1605.*	Max WS	949.60	235.55	239.78		240.06	0.005803	4.24	228.69	113.96	0.48
ALDER	3	1560	Max WS	949.82	235.12	239.62		239.84	0.004075	3.75	259.31	121.17	0.41
ALDER	3	1511.42*	Max WS	950.10	235.01	239.41		239.64	0.004260	3.88	255.28	122.07	0.42
ALDER	3	1462.85*	Max WS	950.34	234.90	239.20		239.44	0.004466	4.02	251.03	119.42	0.43
ALDER	3	1414.28*	Max WS	950.60	234.79	238.97		239.23	0.004734	4.18	245.63	115.48	0.44
ALDER	3	1365.71*	Max WS	950.86	234.69	238.73		239.01	0.005093	4.37	238.77	110.83	0.46
ALDER	3	1317.14*	Max WS	951.13	234.58	238.45		238.76	0.005709	4.63	228.52	105.59	0.49
ALDER	3	1268.57*	Max WS	951.40	234.47	238.10		238.47	0.006991	5.05	211.71	99.41	0.54
ALDER	3	1220	Max WS	948.07	234.36	237.52		238.05	0.011903	6.13	174.53	91.26	0.69
ALDER	3	1175.*	Max WS	946.06	233.55	237.01		237.53	0.010309	5.94	175.03	85.10	0.65
ALDER	3	1130.*	Max WS	939.38	232.73	236.74		237.14	0.006513	5.18	195.98	81.36	0.53
ALDER	3	1085	Max WS	939.30	231.92	236.61		236.90	0.003831	4.42	227.88	81.05	0.41
ALDER	3	1057.5*	Max WS	919.06	231.36	236.44		236.77	0.004605	4.61	199.43	59.40	0.44
ALDER	3	1030	Max WS	918.69	230.81	236.48	233.88	236.68	0.002200	3.57	257.00	63.62	0.31
ALDER	3	1000		Bridge									
ALDER	3	945	Max WS	939.29	229.78	236.47		236.56	0.000971	2.52	372.66	86.80	0.21
ALDER	3	910.*	Max WS	939.29	229.89	236.46		236.53	0.000719	2.20	427.00	97.62	0.19
ALDER	3	875	Max WS	917.49	230.00	236.45	232.31	236.51	0.000534	1.89	485.61	111.45	0.16

Appendix E: Hydromodification Analysis

Memorandum

To: Ken Giberson, MacKay and Somps

From: Scott Brown and Ed Ballman

Date: January 17, 2014

Subject: Preliminary basin sizing for hydromodification control and water quality treatment for the Folsom Plan Area Storm Drainage Master Plan, Sacramento County, California.

Introduction

MacKay and Somps Civil Engineers (MSCE) has requested that Balance Hydrologics (Balance) provide interim sizing and outlet configuration of water-quality-treatment and hydromodification-control basins to support their effort in developing a Storm Drainage Master Plan for the Folsom Sphere-of-Influence (SOI) Specific Plan. The project area encompasses 3,600 acres south of the City of Folsom, bounded by Highway 50, Prairie City Road, White Rock Road, and the Sacramento/El Dorado County line (MKS, 2013).

All new and redevelopment projects planned in Sacramento County must comply with the recently-updated NPDES Permit (CRWQCB, 2008), which includes provisions for storm-water quality treatment (SSQP, 2007) and control of hydromodification effects (SSQP and others, 2013). This memo describes the process and summarizes the results of the analysis that Balance conducted to demonstrate compliance with these requirements for the purposes of stormwater planning.

Hydromodification

The term 'Hydromodification' refers to changes in natural runoff characteristics due to disturbances in the watershed. Within the NPDES regulatory context, it is most commonly used with reference specifically to urban development. The increase in impervious area and the number of drainageways[1] associated with urbanization

[1] Urbanization also results in longer and denser drainageways, such as roof gutters, drains, curbs, and storm drains, resulting in water entering the creek system much more rapidly than under

reduce infiltration of rainfall and increases runoff, diverting more water at a faster rate to local streams. These processes typically increase both the peak flow and the total volume of water in a stream for a given rainfall amount. The effect is proportionately most prominent for smaller rainfall events, when a higher percentage of the rainfall is diverted to runoff rather than infiltration. Increases in the amount and timing of runoff can cause changes in stream channel morphology, including reach-wide erosion of the streambanks and down-cutting of the channel bed.

Hydromodification effects can be controlled or reduced by implementing features or practices to encourage infiltration and/or detain excess water in a basin before it gets to the stream. Basins are typically done on a sub-basin or regional scale, with an outlet designed to match the pre-existing flow conditions, releasing excess stormwater volume at flows below the erosion threshold of the stream to which the water is being discharged. The Sacramento County Hydromodification Management Plan (HMP; SSQP and others, 2013) outlines options for controlling hydromodification in order to meet the requirements of the NPDES permit. Hydromodification (HM) controls must be designed to control stormwater runoff such that volume and duration do not exceed pre-project conditions for flows between 25 percent of the 2-year[2] and the 10-year recurrence pre-project flow.

Water Quality

The NPDES permit requires that Permittees reduce the discharge of pollutants in urban runoff to the maximum extent practicable. Typically treatment of stormwater quality is achieved through the implementation strategies that reduce runoff and encourage infiltration, and/or remove pollutants from stormwater through flow- or volume-based treatment facilities designed to filter, settle-out, or break down various pollutants. The Stormwater Quality Design Manual (SSQP, 2007) outlines the standard procedures for

natural conditions due to the high connectivity of impervious surfaces and drainage networks, plus diminished infiltration, subsurface flow, and depression storage.

[2] 45 percent in watersheds with channels that have low susceptibility to hydromodification effects.

the Sacramento and South Placer Regions to satisfy the water-quality treatment aspects of the NPDES permit.[3]

Approach

Balance used the newly released Sacramento Area Hydrology Model (SAHM) to assess compliance with flow duration criteria outlined in the Sacramento HMP (SSQP, 2013). SAHM is a user interface and analysis tool designed by Clear Creek Solutions, Inc. specifically for the purposes of assessing hydromodification impacts and designing hydromodification control facilities. The model was built on the HSPF computational engine, a continuous simulation model developed jointly by the EPA and USGS.

Because integrated water quality/hydromodification (WQ/HM) basins are being used for this project rather than standard hydromodification configurations, basin orifices were manually sized using an excel spreadsheet basin discharge model and the results were input into SAHM as stage-area-storage-discharge tables. After testing hydromodification (HM) compliance for the initial configuration, orifice sizes were altered on an iterative basis until the basin "passed" HM control criteria within SAHM.

A multi-stepped approach to address hydromodification compliance was used for the project as a whole:

1. SAHM was used to model each sub-basin within the planning area individually to provide an initial estimate of the required HM control volume and outlet configuration.

    a. For headwater sub-basins (those that encompass an entire, self-contained watershed), different pre- and post-project areas were used where sub-

[3] The Sacramento County HMP (SSQP and others, 2013) states that the Stormwater Quality Design Manual will be updated to incorporate integration with HM control measures. A draft version of this report was released in November 2013, but was not available at the time this analysis was conducted. The 2007 version of the manual was used as guidance for this project.

basins will change as a result of the project to assess compliance in the receiving stream channel[4].

b. For sub-basins further down within the Alder Creek watershed, the post-project areas for both the pre- and post-project conditions were used[5].

2. For the Alder Creek watershed, a fully-networked model upstream of Prairie City Road was constructed within SAHM. The model accounts for timing of flows within the various tributary basins, as well as cumulative changes in watershed area as a result of the project. A point-of-compliance was set in Alder Creek downstream of each sub-basin outfall[6]. Preliminary WQ/HM basin sizes obtained from the individual sub-basin models were entered in to the post-project networked model configuration. Where preliminary basin sizing was not adequate to pass HM flow duration criteria within the networked model (usually because of changes in cumulative drainage area), those basins were iteratively re-sized until compliance was reached.

3. Where the initial basin configurations were undersized for the needed HM control volume, MSCE increased the storage and/or adjusted sub-basin drainage areas such that the full HM control volume could be contained. For some sub-basins, this involved creating a separate WQ basin and/or an expanded basin that

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[4] Watersheds that increase in area post-project require additional control volume for HM compliance, as the receiving channel is not in equilibrium with the large watershed area, even independent of impervious surfaces.

[5] It is often difficult to assess the incremental change in watershed area in sub-basins that do not have discrete discharge points under pre-project conditions. Using the post-project sub-basin area as the pre-project basis for the model provided an easy way to obtain a preliminary estimate of HM control volume and basin configuration as an input to the networked model, which does account for changes in watershed area.

[6] For some outfalls that were in close proximity, a single POC was used downstream of both outfalls. See existing and post-project condition model schematics at the beginning of the 'SAHM Alder Creek network report' portion of Appendix A for the relationship of numbered points-of-compliance to basin outfalls.

combines HM and flood control requirements. In addition, using the networked SAHM analysis, HM basin deficiencies were offset using in-stream flood control basins (e.g. DB 6).

4. The final parameters of the interim WQ/HM basins were then provided to MSCE, for incorporating into the flood control model[7].

Hydromodification parameters and key assumptions

The following parameters and assumptions were used for the hydromodification analysis:

- The Orangevale long-term, hourly precipitation record was used for all SAHM analyses. Adjustment factors ranged from 1.045 at the western end of the project site to 1.182 at the northeastern corner of the site. The networked model used a single rainfall point at the center of the project area (1.091adjustment factor).
- Design flow range for the HM analysis is $0.25Q_2$ to Q_{10}.
- No infiltration in HM basins
- No infiltration in stream channel
- Stream roughness of 0.035 to 0.04 (based on vegetation cover as seen in aerial photographs)

Water quality parameters and key assumptions

The following parameters and assumptions were used in the design of the water-quality basins:

- Outlet orifices were designed to drain WQ volume within 40 to 48 hours;
- Basins were assumed to have no infiltration;
- No WQ swales, self-treating areas, or other LID features were included (conservative estimate of needed WQ basin size);
- The HM volume was "stacked" on top of WQ basin and WQ basin volumes were included in the SAHM analysis.

[7] Because the flood-control facilities are designed to freely pass the 10-year storm (the upper limit of required control for hydromodification), there was no need to enter those basins into the networked SAHM analysis.

Basin and outlet configuration

HM/WQ basins were designed with the following parameters:

- Basin configurations (depth/area/storage curves) were provided by MSCE for each development sub-basin within the project.
- Each basin outlet consists of three orifices (rectangular). The lowermost orifice was sized to meet the 48-hour water quality volume drainage time. The upper two orifices (set above the elevation of the water-quality volume) were sized to meet the hydromodification flow duration criteria.
- A wide overflow weir was set at the elevation of the 10-year flow. For "combination" basins that will also provide flood control, any additional flood detention volume is contained above the elevation of this 10-year flow weir.
- Where additional storage was needed to provide adequate hydromodification control, MSCE re-designed the basin sizes and Balance used the new basin parameters to re-optimize outlet structures to demonstrate compliance with the HMP.

Results

Table 1 presents the results of our analysis, including water quality and hydromodification volumes, and outlet sizes and elevations. Full SAHM output reports for all points-of-compliance are presented in Appendix A. The characteristics of each of the basins are listed in the Storm Drainage Master Plan (MSCE, 2014).

Table 1 lists only the results for the water quality and hydromodification portions of the basins. The Storm Drainage Master Plan (MSCE, 2014) summarizes the outlet sizing and other parameters used for the flood control portion of "combination" basins and other basins that also provide flood detention.

Limitations

The analysis described above provides interim sizing and basin configuration for master planning purposes; this analysis is not intended for final design purposes. Outlet structures were optimized to show compliance with the Sacramento HMP using the Sacramento Area Hydrology Model at the project planning scale, and are not intended as design-level configurations that are ready for construction.

Additional optimization and design is required during the detailed design phase for each portion of the project. The HM control volumes listed herein could be further refined with a more complex outlet structure design, potentially reducing HM control volume.

Implementation of low impact development (LID) and other runoff reducing features has not been considered as part of this analysis. Use of these features during phase-specific design may result in lower HM control volumes than those listed herein.

References

California Regional Water Quality Control Board (CRWQCB) Central Valley Region, 2008, Waste Discharge Requirements for the Cities of Citrus Heights, Elk Grove, Folsom, Galt, Rancho Cordova, Sacramento, and County of Sacramento. NPDES No. CAS082597, Order No. R5-2008-0142, 150p.

Clear Creek Solutions, Inc., 2013, Sacramento Area Hydrology Model (SAHM) Guidance Document. Available at www.clearcreeksolutions.com/downloads, 191p.

MacKay and Somps Civil Engineers (MSCE), 2014, Folsom Storm Drainage Master Plan, January 17, 2014.

Sacramento Stormwater Quality Partnership (SSQP), CBEC, and Brown and Caldwell, 2013, Sacramento Stormwater Quality Partnership Hydromodification Management Plan. Reports submitted to the Central Valley Regional Water Quality Control Board, dated July 29, 2011, revised February 14, 2013, 486p.

Sacramento Stormwater Quality Partnership (SSQP), 2007, Stormwater Quality Design Manual for the Sacramento and South Placer Regions. Available at: http://www.beriverfriendly.net/newdevelopment/stormwaterqualitydesignmanual/, 271p.

TABLES

Table 1. Intermim sizing and outlet structure configuration for water-quality/hydromodification control basins for the Folsom SOI specific plan. Note that basins were sized for hydromodification compliance on a cumulative basis within the project area and where flows exit the project boundary. Outlet structures were optimized to show compliance with the Sacramento HMP using the Sacramento Area Hydrology Model at the project planning scale, and are not intended as design-level configurations that are ready for construction. Additional optimization and design is required during the detailed design phase for each portion of the project.

Basin	Water Quality Volume	Water quality orifice [1, 2]		Combined Water Quality/ Hydromodification Control volume [7]	Lower hydromodification orifice			Upper hydromodification orifice			Flowline of HM basin overflow
		Width	Height		Width	Height	Flowline Stage [3]	Width	Height	Flowline Stage [3]	
	(ac-ft)	*(ft)*	*(ft)*	*(ac-ft)*	*(ft)*	*(ft)*	*(ft)*	*(ft)*	*(ft)*	*(ft)*	*(ft)*
Combo 1 [(5)]	0.51	0.33	0.33	2.42	0.50	1.5	1.2	4.8	0.83	2.7	3.6
Combo 2 [(5)]	3.51	0.42	0.42	10.32	1.0	1.0	2.9	5.3	2.4	4.8	7.2
Combo 3 [(5)]	2.92	0.50	0.50	8.60	1.5	0.5	1.7	4.5	2.3	2.2	4.5
Combo 4 [(5)]	0.52	0.08	0.17	0.92	1.7	0.33	5.5	8.0	0.58	5.9	6.9
Combo 5 [(5)]	1.70	0.33	0.33	5.79	0.67	1.0	1.6	4.6	1.8	2.8	4.6
HMB 1 [(6)]	2.38	0.25	0.25	--	--	--	--	--	--	--	8.0
HMB 2	1.11	0.21	0.17	2.02	0.58	0.25	5.4	0.67	2.0	6.0	8.0
HMB 3	0.68	0.17	0.17	2.02	0.67	0.33	3.9	1.5	1.0	5.5	8.0
HMB 4	0.69	0.17	0.17	1.48	0.25	0.5	3.7	1.0	1.5	4.5	6.0
HMB 5	0.78	0.17	0.17	2.02	0.5	0.5	4.3	1.2	2.0	6.0	8.0
HMB 6 [(6)]	5.39	0.42	0.33	--	--	--	--	--	--	--	7.2
HMB 7	0.19	0.08	0.17	0.70	0.25	0.5	1.5	1.0	1.5	2.5	4.0
HMB 8	20.42	0.67	0.67	48.23	1.8	1.8	10.4	3.6	7.1	12.8	20.0
HMB 9	0.25	0.13	0.13	1.17	0.25	0.33	1.9	0.83	2.2	3.5	5.7
HMB 10	1.62	0.33	0.25	6.13	0.5	0.83	2.6	2.9	2.5	5.0	7.6
HMB 11	0.25	0.13	0.13	0.92	0.25	0.50	1.9	1.5	1.5	3.5	5.0
HMB 12 [(8)]	1.70	0.25	0.25	4.31	1.0	0.50	4.0	3.1	2.5	7.0	8.0
HMB 13	0.60	0.17	0.13	1.93	0.33	0.50	3.6	0.83	2.6	5.1	7.8
HMB 14	1.02	0.38	0.33	4.59	0.50	0.50	2.0	2.0	2.4	4	6.5
HMB 15	1.07	0.29	0.25	9.48	0.25	0.25	1.9	0.5	4.2	5.4	9.6
HMB 16 [(9)]	3.08	0.50	0.42	18.84	1.0	1.0	2.0	2.5	1.9	3.3	9.2
HMB 17	2.71	0.38	0.33	8.68	1.2	0.5	3.2	3.0	2.7	5.3	8.0
HMB 18	2.24	0.33	0.33	6.77	1.0	0.5	3.1	3.8	1.9	4.7	7.2
DB 6 [(11)]	--	--	--	11.29	2.0	1.0	0.0	3.5 / 6.5	1.3 / 3.5	3.0 / 5.0	9.1
HMB 19	6.39	0.42	0.42	--	--	--	--	--	--	--	10.0
DB 7 [(11)]	--	--	--	16.06	1.0	3.0	0.0	1.8 / 8.0	2.0 / 5.2	3.5 / 5.7	10.9
HMB 20 WQ	5.16	0.42	0.33	--	--	--	--	--	--	--	10.0
HMB 21	0.28	0.08	0.21	0.55	0.33	0.25	2.0	1.6	0.83	2.5	3.4
HMB 22	2.88	0.33	0.33	7.88	0.83	2.0	4.5	4.75	2.1	7.0	9.1
HMB 23 [(10)]	0.66	0.25	0.25	9.41	0.33	0.67	1.1	--	--	--	8.8
HMB 24	2.87	0.33	0.33	8.44	1.8	0.67	4.3	3.0	3.7	6.3	10.0
DB 9 [(11)]	--	--	--	4.90	0.83	3.0	0.0	3.0	3.5	5.3	9.1
HMB 25 WQ [(13)]	3.93	0.33	0.33	4.21	2.0	0.4	7.6	--	--	--	8.0
HMB 26	1.39	0.25	0.25	6.33	0.33	2.0	3.5	1.0	5.1	6.0	11.1
DB 11 [(12)]	--	--	--	14.41	1.0	1.0	0.0	2.3	5.7	6.0	11.8
HMB 27 WQ [(12)]	3.81	0.33	0.33	--	--	--	--	--	--	--	7.8

Notes:

[1] Water quality orifices sized to drain water quality volume 40 to 48 hours.

[2] The base of all water quality orifices is set at a depth of 0.0 feet.

[3] The flowline stage of the hydromodification orifices corresponds to the bottom of the stated orifice.

[4] Width, depth, and stage reported to the nearest tenth of a foot, except where values are less than one foot. In such cases, values are to the neares half-inch, reported as decimal feet.

[5] Values for Combo 1, 2, 3, 4, and 5 are for water quality and hydromodification volumes only. These basins are also used for flood control (on top of the hydromodification control volume); characteristics of that portion of the basin are reported separately.

[6] Basin passes HM standards in Alder Creek downstream of discharge point using only the water quality volume for storage.

[7] Basin sizes are conservative in that they do not account for any reductions in hydromodification volume that may be provided by incorporation of LID practices, distrubuted water quality treatment features (e.g. rain gardens) or self-treating impervious areas.

[8] HMB 12 discharges just upstream of DB2; the point-of-compliance for this basin is at the outlet of DB2.

[9] HMB 16 detains an additional 4.9 acre-feet above the actual required HM storage volume (13.9 af) to compensate for basin deficiencies further downstream; the HM basin is topped by a 3-foot weir outlet with a flowline of 5.9 feet up to the basin maximum of 10.0 feet

[10] HMB 23 is sized to over-detain flows in the mid-range of hydromod control for compliance at the outlet of HMB 21 further downstream; this altered configuration also results in compliance for hydromodifciation requirements in-stream at the discharge point of HMB 25.

[11] DB 6, 7, and 9 are used for in-stream hydromodification control, and control volumes listed are for HM controls only; water quality treatment at adjacent developed area is provided by off-stream water quality basins WQ 19, 20, and 25, repectively. DB 6 and DB 7 were designed with three HM orifices; the "Upper hydromodification orifice" columns have the information for both of the uppermost orifices.

[12] The post-project watershed draining to DB 11 contains a separate water quality basin (WQ 27) to treat urban runoff prior to entering DB 12; DB 12 provides both hydromodification and flood control functions, though volumes listed here do not include the flood control volume.

[13] Basin WQ 25 includes the water quality treatment volume and a small portion of the hydromodification control volume. The remainder of the HM control volume is contained in DB 9.

APPENDIX A

SAHM Output Reports

SAHM

PROJECT REPORT

General Model Information

Project Name: Combo1_SSD
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.05
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Steep(2-5%)	14.23
C,Grass,Steep(2-5%)	3.43
D,Grass,Steep(2-5%)	16.53
Pervious Total	34.19

Impervious Land Use	Acres
Impervious Total	0
Basin Total	34.19

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Steep(2-5%)	13.19
B,Urban,Steep(2-5%)	0.78
D,Urban,Steep(2-5%)	12.54
C,Urban,Steep(2-5%)	0.33
C,Grass,Steep(2-5%)	0.1
D,Grass,Steep(2-5%)	5.88
Pervious Total	32.82

Impervious Land Use	Acres
Imperv,Steep(2-5%)	5.06
Impervious Total	5.06
Basin Total	37.88

Element Flows To:

Surface	Interflow	Groundwater
SSD Table 1	SSD Table 1	

Mitigated Routing

SSD Table 1

Depth: 12.75 ft.
Element Flows To:
Outlet 1 Outlet 2

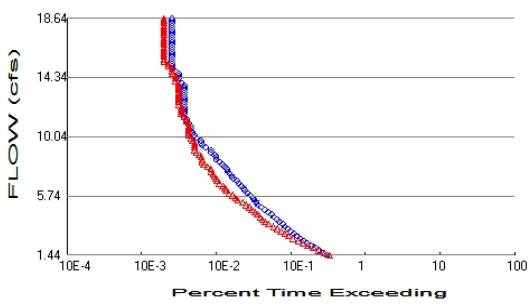
SSD Table Hydraulic Table

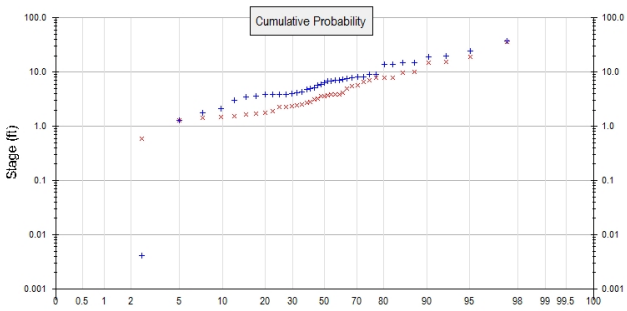
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	0.550	0.055	0.035	0.000	0.000	0.000	0.000
0.250	0.569	0.143	0.139	0.000	0.000	0.000	0.000
0.500	0.587	0.286	0.309	0.000	0.000	0.000	0.000
0.750	0.604	0.435	0.409	0.000	0.000	0.000	0.000
1.000	0.622	0.587	0.488	0.000	0.000	0.000	0.000
1.250	0.639	0.745	0.576	0.000	0.000	0.000	0.000
1.500	0.657	0.906	0.891	0.000	0.000	0.000	0.000
1.750	0.675	1.073	1.352	0.000	0.000	0.000	0.000
2.000	0.692	1.243	1.916	0.000	0.000	0.000	0.000
2.250	0.710	1.419	2.564	0.000	0.000	0.000	0.000
2.500	0.728	1.598	3.285	0.000	0.000	0.000	0.000
2.750	0.746	1.783	4.267	0.000	0.000	0.000	0.000
3.000	0.763	1.971	7.200	0.000	0.000	0.000	0.000
3.250	0.781	2.164	11.51	0.000	0.000	0.000	0.000
3.500	0.799	2.362	16.79	0.000	0.000	0.000	0.000
3.750	0.817	2.564	23.35	0.000	0.000	0.000	0.000
4.000	0.835	2.771	31.93	0.000	0.000	0.000	0.000
4.250	0.853	2.982	42.11	0.000	0.000	0.000	0.000
4.500	0.870	3.198	53.54	0.000	0.000	0.000	0.000
4.750	0.888	3.418	66.08	0.000	0.000	0.000	0.000
5.000	0.906	3.642	79.61	0.000	0.000	0.000	0.000
5.250	0.924	3.871	94.06	0.000	0.000	0.000	0.000
5.500	0.942	4.105	109.4	0.000	0.000	0.000	0.000
5.750	0.960	4.343	125.5	0.000	0.000	0.000	0.000
6.000	0.978	4.585	142.4	0.000	0.000	0.000	0.000
6.250	0.996	4.832	160.0	0.000	0.000	0.000	0.000
6.500	1.014	5.084	178.3	0.000	0.000	0.000	0.000
6.750	1.033	5.340	197.3	0.000	0.000	0.000	0.000
7.000	1.051	5.600	216.9	0.000	0.000	0.000	0.000
7.250	1.069	5.865	237.2	0.000	0.000	0.000	0.000
7.500	1.087	6.135	258.1	0.000	0.000	0.000	0.000
7.750	1.105	6.409	279.5	0.000	0.000	0.000	0.000
8.000	1.123	6.687	301.6	0.000	0.000	0.000	0.000
8.250	1.142	6.970	324.2	0.000	0.000	0.000	0.000
8.500	1.160	7.257	347.4	0.000	0.000	0.000	0.000
8.750	1.178	7.549	371.0	0.000	0.000	0.000	0.000
9.000	1.197	7.846	395.3	0.000	0.000	0.000	0.000
9.250	1.215	8.147	420.0	0.000	0.000	0.000	0.000
9.500	1.233	8.452	445.2	0.000	0.000	0.000	0.000
9.750	1.252	8.762	470.9	0.000	0.000	0.000	0.000
10.000	1.270	9.076	497.1	0.000	0.000	0.000	0.000
10.25	1.288	9.395	523.8	0.000	0.000	0.000	0.000
10.50	1.307	9.718	550.9	0.000	0.000	0.000	0.000
10.75	1.325	10.05	578.5	0.000	0.000	0.000	0.000

11.00	1.344	10.38	606.6	0.000	0.000	0.000	0.000
11.25	1.362	10.71	635.0	0.000	0.000	0.000	0.000
11.50	1.381	11.06	664.0	0.000	0.000	0.000	0.000
11.75	1.399	11.40	693.3	0.000	0.000	0.000	0.000
12.00	1.418	11.75	723.1	0.000	0.000	0.000	0.000
12.25	1.437	12.11	753.3	0.000	0.000	0.000	0.000
12.50	1.455	12.47	783.9	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 34.19
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 32.82
Total Impervious Area: 5.06

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	5.766932
5 year	12.867502
10 year	18.639454
25 year	27.182188

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	3.431468
5 year	7.795958
10 year	14.058215
25 year	22.933393

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	6.815	4.206
1966	1.794	1.276
1967	7.153	6.538
1968	3.462	1.895
1969	7.443	3.886
1970	5.611	3.711
1971	7.212	3.861
1972	2.119	1.700
1973	13.931	7.130
1974	8.882	3.233
1975	3.802	1.534
1976	0.004	0.598
1977	0.004	0.303
1978	19.538	9.812

1979	4.828	2.351
1980	5.142	3.143
1981	4.169	2.837
1982	9.088	7.725
1983	14.058	10.105
1984	6.293	4.997
1985	3.913	2.433
1986	24.498	19.113
1987	3.869	2.261
1988	4.239	3.640
1989	7.956	2.551
1990	4.020	1.489
1991	5.930	3.824
1992	8.247	7.977
1993	6.884	3.649
1994	1.273	1.437
1995	36.725	36.516
1996	14.923	5.780
1997	19.156	15.409
1998	14.734	14.607
1999	3.567	2.291
2000	8.176	7.816
2001	3.919	1.753
2002	2.982	1.620
2003	4.872	2.751
2004	6.987	5.428

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	36.7249	36.5163
2	24.4983	19.1132
3	19.5384	15.4087
4	19.1556	14.6073
5	14.9232	10.1048
6	14.7339	9.8123
7	14.0575	7.9774
8	13.9306	7.8158
9	9.0876	7.7255
10	8.8825	7.1298
11	8.2474	6.5378
12	8.1758	5.7797
13	7.9564	5.4278
14	7.4433	4.9974
15	7.2117	4.2059
16	7.1527	3.8857
17	6.9871	3.8607
18	6.8839	3.8238
19	6.8151	3.7109
20	6.2933	3.6485
21	5.9302	3.6401
22	5.6114	3.2328
23	5.1419	3.1431
24	4.8725	2.8368
25	4.8280	2.7505
26	4.2391	2.5512
27	4.1691	2.4333
28	4.0201	2.3508

29	3.9189	2.2910
30	3.9127	2.2609
31	3.8688	1.8946
32	3.8024	1.7534
33	3.5675	1.7000
34	3.4622	1.6197
35	2.9818	1.5342
36	2.1191	1.4893
37	1.7940	1.4372
38	1.2729	1.2759
39	0.0042	0.5982
40	0.0037	0.3025

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
1.4417	1070	1165	108	Pass
1.6154	946	988	104	Pass
1.7892	840	834	99	Pass
1.9629	753	707	93	Pass
2.1366	661	593	89	Pass
2.3103	580	521	89	Pass
2.4840	521	449	86	Pass
2.6577	465	377	81	Pass
2.8314	423	329	77	Pass
3.0052	387	290	74	Pass
3.1789	346	261	75	Pass
3.3526	321	233	72	Pass
3.5263	294	206	70	Pass
3.7000	271	176	64	Pass
3.8737	249	158	63	Pass
4.0474	229	147	64	Pass
4.2212	210	137	65	Pass
4.3949	195	126	64	Pass
4.5686	174	116	66	Pass
4.7423	156	106	67	Pass
4.9160	143	98	68	Pass
5.0897	129	88	68	Pass
5.2634	122	79	64	Pass
5.4372	113	68	60	Pass
5.6109	109	64	58	Pass
5.7846	100	59	58	Pass
5.9583	92	52	56	Pass
6.1320	85	48	56	Pass
6.3057	81	46	56	Pass
6.4794	76	43	56	Pass
6.6532	70	39	55	Pass
6.8269	67	36	53	Pass
7.0006	60	35	58	Pass
7.1743	57	33	57	Pass
7.3480	53	32	60	Pass
7.5217	50	30	60	Pass
7.6954	49	30	61	Pass
7.8692	45	27	60	Pass
8.0429	42	24	57	Pass
8.2166	39	23	58	Pass
8.3903	35	23	65	Pass
8.5640	35	22	62	Pass
8.7377	33	21	63	Pass
8.9115	30	19	63	Pass
9.0852	30	18	60	Pass
9.2589	25	18	72	Pass
9.4326	23	18	78	Pass
9.6063	22	18	81	Pass
9.7800	22	17	77	Pass
9.9537	19	16	84	Pass
10.1275	18	15	83	Pass
10.3012	17	15	88	Pass
10.4749	16	15	93	Pass

10.6486	16	15	93	Pass
10.8223	16	15	93	Pass
10.9960	15	15	100	Pass
11.1697	14	14	100	Pass
11.3435	14	14	100	Pass
11.5172	13	13	100	Pass
11.6909	13	12	92	Pass
11.8646	13	12	92	Pass
12.0383	13	12	92	Pass
12.2120	13	12	92	Pass
12.3857	13	11	84	Pass
12.5595	13	11	84	Pass
12.7332	13	11	84	Pass
12.9069	13	11	84	Pass
13.0806	13	11	84	Pass
13.2543	13	11	84	Pass
13.4280	13	11	84	Pass
13.6017	13	11	84	Pass
13.7755	13	11	84	Pass
13.9492	12	11	91	Pass
14.1229	11	10	90	Pass
14.2966	11	10	90	Pass
14.4703	11	10	90	Pass
14.6440	11	9	81	Pass
14.8177	10	9	90	Pass
14.9915	9	9	100	Pass
15.1652	9	8	88	Pass
15.3389	9	8	88	Pass
15.5126	9	7	77	Pass
15.6863	9	7	77	Pass
15.8600	9	7	77	Pass
16.0337	9	7	77	Pass
16.2075	9	7	77	Pass
16.3812	9	7	77	Pass
16.5549	9	7	77	Pass
16.7286	9	7	77	Pass
16.9023	9	7	77	Pass
17.0760	9	7	77	Pass
17.2497	9	7	77	Pass
17.4235	9	7	77	Pass
17.5972	9	7	77	Pass
17.7709	9	7	77	Pass
17.9446	9	7	77	Pass
18.1183	9	7	77	Pass
18.2920	9	7	77	Pass
18.4657	9	7	77	Pass
18.6395	9	7	77	Pass

Model Default Modifications

Total of 0 changes have been made.

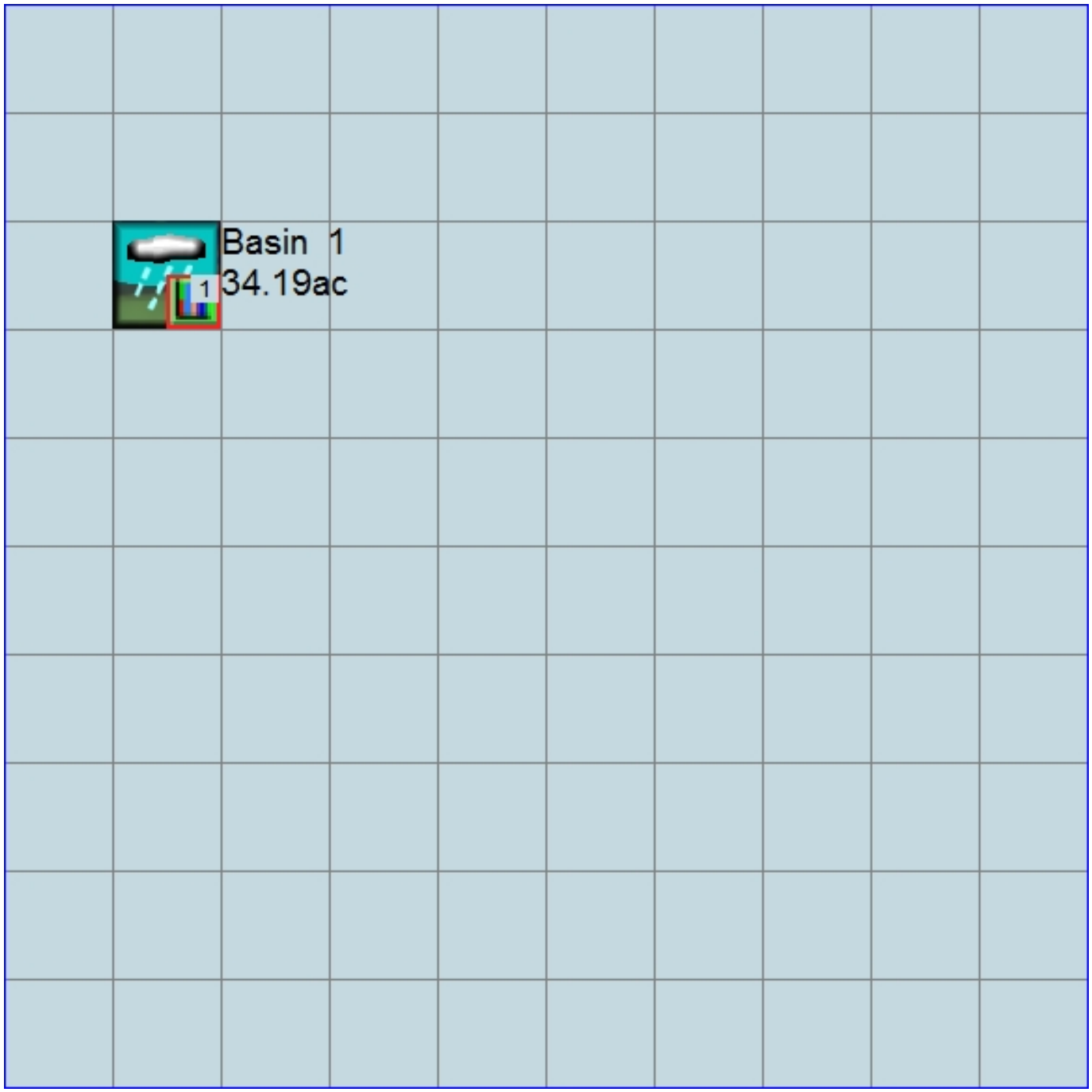
PERLND Changes

No PERLND changes have been made.

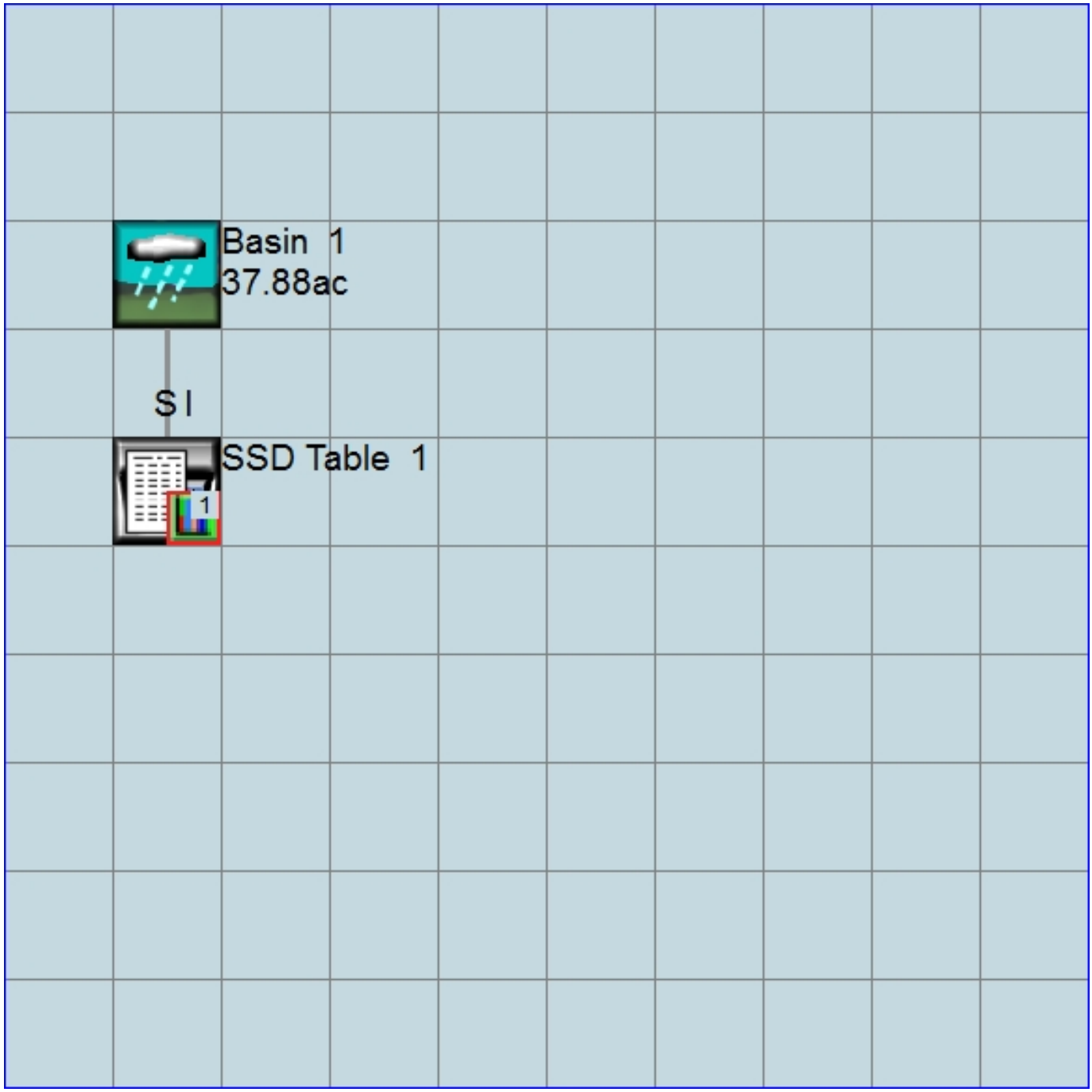
IMPLND Changes

No IMPLND changes have been made.

Appendix
Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo1_SSD.wdm
MESSU       25   PreCombo1_SSD.MES
            27   PreCombo1_SSD.L61
            28   PreCombo1_SSD.L62
            30   POCCombo1_SSD1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      19
      PERLND      35
      PERLND      51
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                  MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out           ***
   19     B,Grass,Steep(2-5%)     1    1    1    1   27    0
   35     C,Grass,Steep(2-5%)     1    1    1    1   27    0
   51     D,Grass,Steep(2-5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   19         0    0    1    0    0    0    0    0    0    0    0    0
   35         0    0    1    0    0    0    0    0    0    0    0    0
   51         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   19         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   35         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   51         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   19         0    0    0    1    0    0    0    0    1    0    0
   35         0    0    0    1    0    0    0    0    1    0    0
   51         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   19              0       4.6     0.055       400      0.05         3      0.92
   35              0       4.4      0.04       400      0.05         3      0.92
   51              0       4.3     0.025       400      0.05         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   19             40        35         2         2         0         0      0.05
   35             40        35         2         2         0         0      0.05
   51             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   19             0      0.32      0.25       1.4      0.45         0
   35             0      0.27      0.25       0.6      0.45         0
   51             0      0.27      0.25       0.6      0.45         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   19       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
   35       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
   51       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   19      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   35      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   51      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   19             0         0      0.15         0         4      0.05         0
   35             0         0      0.15         0         4      0.05         0
   51             0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                     in  out           ***
  END GEN-INFO
```

```
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->              <--Area-->     <-Target->   MBLK   ***
<Name>   #              <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  19                   14.23     COPY   501     12
PERLND  19                   14.23     COPY   501     13
PERLND  35                    3.43     COPY   501     12
PERLND  35                    3.43     COPY   501     13
PERLND  51                   16.53     COPY   501     12
PERLND  51                   16.53     COPY   501     13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<----------------><---> User T-series  Engl Metr LKFG            ***
                                      in  out                               ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
```

```
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ******************* PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                    ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
           FG FG FG FG  possible  exit  *** possible  exit      possible  exit
            *  *  *  *    *  *  *  *  *       *  *  *  *  *        ***
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><-------->       ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                       ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPECT-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL       1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL       1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL       1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL       1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo1_SSD.wdm
MESSU       25   MitCombo1_SSD.MES
            27   MitCombo1_SSD.L61
            28   MitCombo1_SSD.L62
            30   POCCombo1_SSD1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      19
      PERLND      27
      PERLND      59
      PERLND      43
      PERLND      35
      PERLND      51
      IMPLND       3
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        SSD Table  1               MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out              ***
   19     B,Grass,Steep(2-5%)     1    1    1    1   27    0
   27     B,Urban,Steep(2-5%)     1    1    1    1   27    0
   59     D,Urban,Steep(2-5%)     1    1    1    1   27    0
   43     C,Urban,Steep(2-5%)     1    1    1    1   27    0
   35     C,Grass,Steep(2-5%)     1    1    1    1   27    0
   51     D,Grass,Steep(2-5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***
```

```
ACTIVITY
  <PLS > ************* Active Sections ****************************
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
 19         0    0    1    0    0    0    0    0    0    0    0    0
 27         0    0    1    0    0    0    0    0    0    0    0    0
 59         0    0    1    0    0    0    0    0    0    0    0    0
 43         0    0    1    0    0    0    0    0    0    0    0    0
 35         0    0    1    0    0    0    0    0    0    0    0    0
 51         0    0    1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ***************** Print-flags **************************** PIVL  PYR
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
 19         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 27         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 59         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 43         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 35         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 51         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 19         0    0    0    1    0    0    0    0    1    0    0
 27         0    0    0    1    0    0    0    0    1    0    0
 59         0    0    0    1    0    0    0    0    1    0    0
 43         0    0    0    1    0    0    0    0    1    0    0
 35         0    0    0    1    0    0    0    0    1    0    0
 51         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2          ***
  # -  # ***FOREST     LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
 19              0      4.6     0.055       400      0.05         3      0.92
 27              0      4.5      0.04       400      0.05         3      0.92
 59              0     4.35     0.015       400      0.05         3      0.92
 43              0     4.35     0.025       400      0.05         3      0.92
 35              0      4.4      0.04       400      0.05         3      0.92
 51              0      4.3     0.025       400      0.05         3      0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3          ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 19             40        35         2         2         0         0      0.05
 27             40        35         2         2         0         0      0.05
 59             40        35         2         2         0         0      0.05
 43             40        35         2         2         0         0      0.05
 35             40        35         2         2         0         0      0.05
 51             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                              ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 19              0      0.32      0.25       1.4      0.45         0
 27              0      0.32      0.25       0.8      0.37         0
 59              0      0.27      0.25      0.45      0.37         0
 43              0      0.27      0.25      0.45      0.37         0
 35              0      0.27      0.25       0.6      0.45         0
 51              0      0.27      0.25       0.6      0.45         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 19       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 27       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
```

```
   59       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   43       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   35       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
   51       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   19      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   27      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   59      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   43      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   35      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   51      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS       AGWS      GWVS
   19             0         0      0.15         0         4       0.05         0
   27             0         0      0.15         0         4       0.05         0
   59             0         0      0.15         0         4       0.05         0
   43             0         0      0.15         0         4       0.05         0
   35             0         0      0.15         0         4       0.05         0
   51             0         0      0.15         0         4       0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->  Unit-systems   Printer ***
    # -  #                    User  t-series Engl Metr ***
                                  in  out           ***
    3     Imperv,Steep(2-5%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    ***
    3         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL     *********
    3         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    3         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    3            100      0.05      0.05     0.095
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    3              0         0
  END IWAT-PARM3

  IWAT-STATE1
```

```
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    3             0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                  <--Area-->     <-Target->   MBLK   ***
<Name>   #                  <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  19                       13.19     RCHRES   1      2
PERLND  19                       13.19     RCHRES   1      3
PERLND  27                        0.78     RCHRES   1      2
PERLND  27                        0.78     RCHRES   1      3
PERLND  59                       12.54     RCHRES   1      2
PERLND  59                       12.54     RCHRES   1      3
PERLND  43                        0.33     RCHRES   1      2
PERLND  43                        0.33     RCHRES   1      3
PERLND  35                         0.1     RCHRES   1      2
PERLND  35                         0.1     RCHRES   1      3
PERLND  51                        5.88     RCHRES   1      2
PERLND  51                        5.88     RCHRES   1      3
IMPLND   3                        5.06     RCHRES   1      5

******Routing******
PERLND  19                       13.19     COPY     1     12
PERLND  27                        0.78     COPY     1     12
PERLND  59                       12.54     COPY     1     12
PERLND  43                        0.33     COPY     1     12
PERLND  35                         0.1     COPY     1     12
PERLND  51                        5.88     COPY     1     12
IMPLND   3                        5.06     COPY     1     15
PERLND  19                       13.19     COPY     1     13
PERLND  27                        0.78     COPY     1     13
PERLND  59                       12.54     COPY     1     13
PERLND  43                        0.33     COPY     1     13
PERLND  35                         0.1     COPY     1     13
PERLND  51                        5.88     COPY     1     13
RCHRES   1                           1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                        in  out                             ***
    1     SSD Table  10006        1    1    1    1   28    0    1
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
```

```
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                      ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
           FG FG FG FG  possible  exit  *** possible  exit      possible  exit
            *  *  *  *    *  *  *  *  *       *  *  *  *  *       ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><-------->       ***
    1              1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                         ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPECIAL-ACTIONS
END SPECIAL-ACTIONS
FTABLES
  FTABLE      1
   53    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)    (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.100000  0.550000  0.055000  0.035100
  0.250000  0.569000  0.142500  0.138800
  0.500000  0.586500  0.286300  0.308900
  0.750000  0.604100  0.434600  0.408600
  1.000000  0.621700  0.587400  0.488400
  1.250000  0.639300  0.744700  0.575500
  1.500000  0.656900  0.906400  0.891300
  1.750000  0.674600  1.072700  1.352300
  2.000000  0.692300  1.243400  1.915800
  2.250000  0.710000  1.418700  2.563600
  2.500000  0.727700  1.598400  3.285100
  2.750000  0.745500  1.782600  4.266700
  3.000000  0.763200  1.971200  7.200000
  3.250000  0.781000  2.164400  11.50870
  3.500000  0.798900  2.362100  16.79080
  3.750000  0.816700  2.564200  23.34970
  4.000000  0.834600  2.770900  31.93490
  4.250000  0.852500  2.982000  42.10710
  4.500000  0.870400  3.197600  53.54250
  4.750000  0.888300  3.417700  66.07850
  5.000000  0.906200  3.642200  79.60950
  5.250000  0.924200  3.871300  94.05790
  5.500000  0.942200  4.104900  109.3637
  5.750000  0.960200  4.342900  125.4776
  6.000000  0.978300  4.585400  142.3587
  6.250000  0.996400  4.832400  159.9718
  6.500000  1.014400  5.083900  178.2866
  6.750000  1.032500  5.339900  197.2761
  7.000000  1.050700  5.600400  216.9164
  7.250000  1.068800  5.865400  237.1861
  7.500000  1.087000  6.134800  258.0658
  7.750000  1.105200  6.408700  279.5378
  8.000000  1.123400  6.687100  301.5858
  8.250000  1.141700  6.970000  324.1949
  8.500000  1.159900  7.257400  347.3514
  8.750000  1.178200  7.549300  371.0423
```

```
  9.000000  1.196500  7.845700  395.2558
  9.250000  1.214900  8.146500  419.9807
  9.500000  1.233200  8.451900  445.2064
  9.750000  1.251600  8.761700  470.9232
  10.00000  1.270000  9.076000  497.1217
  10.25000  1.288400  9.394800  523.7932
  10.50000  1.306900  9.718100  550.9294
  10.75000  1.325300  10.04590  578.5223
  11.00000  1.343800  10.37810  606.5646
  11.25000  1.362300  10.71490  635.0489
  11.50000  1.380900  11.05610  663.9686
  11.75000  1.399400  11.40180  693.3172
  12.00000  1.418000  11.75200  723.0884
  12.25000  1.436600  12.10670  753.2763
  12.50000  1.455200  12.46590  783.8751
  12.75000  1.473900  12.82950  814.8795
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7      SAME  PERLND  27     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7      SAME  PERLND  59     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7      SAME  PERLND  43     EXTNL  SURLI
WDM      2 PREC     ENGL    1.045          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
```

```
  END MASS-LINK   16

END MASS-LINK

END RUN
```

Disclaimer

Legal Notice

Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: Combo 2_pre_rev 11-6
Site Name:
Site Address:
City:
Report Date: 11/26/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.05
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Mod (1-2%)	33.4
D,Grass,Mod (1-2%)	113.93
Pervious Total	147.33

Impervious Land Use	Acres
Impervious Total	0
Basin Total	147.33

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Mod (1-2%)	9.29
C,Grass,Mod (1-2%)	16.96
D,Urban,Mod (1-2%)	20.59
D,Grass,Mod (1-2%)	45.47
Pervious Total	92.31

Impervious Land Use	Acres
Imperv,Mod (1-2%)	59.42
Impervious Total	59.42
Basin Total	151.73

Element Flows To:

Surface	Interflow	Groundwater
Combo 2	Combo 2	

Mitigated Routing

Combo 2

Depth: 15 ft.
Element Flows To:
Outlet 1 Outlet 2

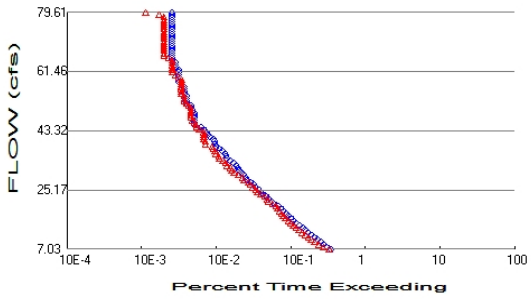
SSD Table Hydraulic Table

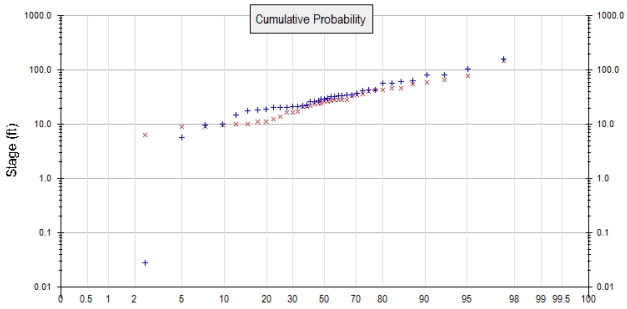
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	1.110	0.111	0.044	0.000	0.000	0.000	0.000
0.250	1.131	0.281	0.173	0.000	0.000	0.000	0.000
0.500	1.152	0.563	0.452	0.000	0.000	0.000	0.000
0.750	1.173	0.852	0.615	0.000	0.000	0.000	0.000
1.000	1.194	1.147	0.744	0.000	0.000	0.000	0.000
1.250	1.215	1.447	0.853	0.000	0.000	0.000	0.000
1.500	1.237	1.753	0.950	0.000	0.000	0.000	0.000
1.750	1.259	2.065	1.038	0.000	0.000	0.000	0.000
2.000	1.281	2.383	1.119	0.000	0.000	0.000	0.000
2.250	1.303	2.707	1.194	0.000	0.000	0.000	0.000
2.500	1.325	3.037	1.266	0.000	0.000	0.000	0.000
2.750	1.348	3.372	1.333	0.000	0.000	0.000	0.000
3.000	1.370	3.714	1.590	0.000	0.000	0.000	0.000
3.250	1.393	4.061	2.300	0.000	0.000	0.000	0.000
3.500	1.416	4.414	3.262	0.000	0.000	0.000	0.000
3.750	1.440	4.773	4.416	0.000	0.000	0.000	0.000
4.000	1.463	5.138	5.510	0.000	0.000	0.000	0.000
4.250	1.487	5.509	6.248	0.000	0.000	0.000	0.000
4.500	1.511	5.886	6.895	0.000	0.000	0.000	0.000
4.750	1.535	6.268	7.479	0.000	0.000	0.000	0.000
5.000	1.559	6.657	10.22	0.000	0.000	0.000	0.000
5.250	1.584	7.051	14.75	0.000	0.000	0.000	0.000
5.500	1.609	7.451	20.45	0.000	0.000	0.000	0.000
5.750	1.633	7.857	27.08	0.000	0.000	0.000	0.000
6.000	1.659	8.269	34.52	0.000	0.000	0.000	0.000
6.250	1.684	8.687	42.68	0.000	0.000	0.000	0.000
6.500	1.709	9.111	51.50	0.000	0.000	0.000	0.000
6.750	1.735	9.540	60.94	0.000	0.000	0.000	0.000
7.000	1.761	9.976	70.94	0.000	0.000	0.000	0.000
7.250	1.787	10.42	82.01	0.000	0.000	0.000	0.000
7.500	1.814	10.86	94.88	0.000	0.000	0.000	0.000
7.750	1.840	11.32	110.9	0.000	0.000	0.000	0.000
8.000	1.867	11.78	129.0	0.000	0.000	0.000	0.000
8.250	1.894	12.24	148.9	0.000	0.000	0.000	0.000
8.500	1.921	12.71	170.4	0.000	0.000	0.000	0.000
8.750	1.948	13.19	193.2	0.000	0.000	0.000	0.000
9.000	1.976	13.67	217.4	0.000	0.000	0.000	0.000
9.250	2.004	14.16	242.8	0.000	0.000	0.000	0.000
9.500	2.032	14.65	269.3	0.000	0.000	0.000	0.000
9.750	2.060	15.15	296.9	0.000	0.000	0.000	0.000
10.000	2.088	15.66	325.5	0.000	0.000	0.000	0.000
10.25	2.117	16.17	355.2	0.000	0.000	0.000	0.000
10.50	2.145	16.69	385.8	0.000	0.000	0.000	0.000
10.75	2.174	17.21	417.3	0.000	0.000	0.000	0.000

11.00	2.203	17.74	449.7	0.000	0.000	0.000	0.000
11.25	2.233	18.28	483.0	0.000	0.000	0.000	0.000
11.50	2.262	18.82	517.2	0.000	0.000	0.000	0.000
11.75	2.292	19.36	552.1	0.000	0.000	0.000	0.000
12.00	2.322	19.92	587.9	0.000	0.000	0.000	0.000
12.25	2.352	20.47	624.5	0.000	0.000	0.000	0.000
12.50	2.383	21.04	661.8	0.000	0.000	0.000	0.000
12.75	2.413	21.61	699.9	0.000	0.000	0.000	0.000
13.00	2.444	22.19	738.7	0.000	0.000	0.000	0.000
13.25	2.475	22.77	778.3	0.000	0.000	0.000	0.000
13.50	2.506	23.36	818.6	0.000	0.000	0.000	0.000
13.75	2.537	23.95	859.5	0.000	0.000	0.000	0.000
14.00	2.569	24.55	901.2	0.000	0.000	0.000	0.000
14.25	2.601	25.16	943.5	0.000	0.000	0.000	0.000
14.50	2.633	25.77	986.5	0.000	0.000	0.000	0.000
14.75	2.665	26.38	1030.115	0.000	0.000	0.000	0.000
15.00	2.697	27.01	1074.395	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 147.33
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 92.31
Total Impervious Area: 59.42

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	28.10331
5 year	54.01211
10 year	79.605466
25 year	114.445244

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	24.279554
5 year	43.38912
10 year	59.30911
25 year	94.594566

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	30.127	26.252
1966	10.165	8.966
1967	34.214	35.127
1968	19.322	12.626
1969	34.253	23.750
1970	26.469	27.833
1971	33.782	24.026
1972	9.725	9.677
1973	56.965	43.486
1974	43.513	24.546
1975	20.897	9.985
1976	0.027	6.329
1977	0.027	1.573
1978	82.499	54.670

1979	22.459	16.275
1980	25.947	21.232
1981	20.814	21.916
1982	42.857	40.398
1983	57.653	46.059
1984	28.983	27.680
1985	18.141	16.373
1986	102.405	79.568
1987	20.549	16.829
1988	20.698	28.022
1989	33.544	21.392
1990	20.385	10.196
1991	29.353	28.057
1992	41.929	45.363
1993	32.875	25.762
1994	5.591	11.011
1995	157.255	148.022
1996	62.200	43.044
1997	81.743	65.673
1998	64.215	59.954
1999	17.440	13.740
2000	37.377	36.348
2001	22.125	11.197
2002	14.791	9.159
2003	27.266	27.312
2004	32.699	33.294

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	157.2550	148.0220
2	102.4050	79.5681
3	82.4988	65.6728
4	81.7431	59.9535
5	64.2145	54.6695
6	62.2003	46.0592
7	57.6525	45.3634
8	56.9649	43.4861
9	43.5133	43.0443
10	42.8572	40.3981
11	41.9289	36.3478
12	37.3766	35.1268
13	34.2534	33.2939
14	34.2141	28.0565
15	33.7824	28.0215
16	33.5443	27.8334
17	32.8749	27.6799
18	32.6990	27.3116
19	30.1273	26.2516
20	29.3531	25.7617
21	28.9828	24.5461
22	27.2657	24.0257
23	26.4687	23.7501
24	25.9468	21.9158
25	22.4592	21.3919
26	22.1252	21.2318
27	20.8969	16.8292
28	20.8142	16.3732

29	20.6982	16.2751
30	20.5485	13.7399
31	20.3854	12.6263
32	19.3218	11.1970
33	18.1408	11.0107
34	17.4402	10.1964
35	14.7909	9.9852
36	10.1651	9.6766
37	9.7254	9.1586
38	5.5905	8.9661
39	0.0274	6.3291
40	0.0267	1.5729

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
7.0258	1198	1153	96	Pass
7.7590	1066	958	89	Pass
8.4921	968	827	85	Pass
9.2252	879	733	83	Pass
9.9583	805	663	82	Pass
10.6915	734	599	81	Pass
11.4246	660	555	84	Pass
12.1577	594	498	83	Pass
12.8908	541	450	83	Pass
13.6240	505	410	81	Pass
14.3571	464	379	81	Pass
15.0902	417	350	83	Pass
15.8234	385	323	83	Pass
16.5565	355	295	83	Pass
17.2896	326	278	85	Pass
18.0227	303	262	86	Pass
18.7559	284	246	86	Pass
19.4890	260	234	90	Pass
20.2221	240	222	92	Pass
20.9553	211	200	94	Pass
21.6884	195	175	89	Pass
22.4215	181	170	93	Pass
23.1546	166	157	94	Pass
23.8878	150	140	93	Pass
24.6209	139	126	90	Pass
25.3540	130	119	91	Pass
26.0871	118	109	92	Pass
26.8203	111	100	90	Pass
27.5534	102	94	92	Pass
28.2865	91	82	90	Pass
29.0197	87	79	90	Pass
29.7528	81	69	85	Pass
30.4859	76	61	80	Pass
31.2190	72	56	77	Pass
31.9522	68	55	80	Pass
32.6853	65	49	75	Pass
33.4184	60	47	78	Pass
34.1516	54	43	79	Pass
34.8847	49	39	79	Pass
35.6178	48	38	79	Pass
36.3509	46	35	76	Pass
37.0841	42	34	80	Pass
37.8172	39	32	82	Pass
38.5503	35	31	88	Pass
39.2834	34	25	73	Pass
40.0166	33	25	75	Pass
40.7497	32	24	75	Pass
41.4828	29	24	82	Pass
42.2160	27	24	88	Pass
42.9491	26	24	92	Pass
43.6822	24	21	87	Pass
44.4153	22	19	86	Pass
45.1485	18	19	105	Pass

45.8816	18	18	100	Pass
46.6147	18	17	94	Pass
47.3478	18	16	88	Pass
48.0810	18	16	88	Pass
48.8141	18	16	88	Pass
49.5472	17	16	94	Pass
50.2804	16	16	100	Pass
51.0135	16	15	93	Pass
51.7466	14	14	100	Pass
52.4797	14	13	92	Pass
53.2129	14	13	92	Pass
53.9460	14	13	92	Pass
54.6791	13	12	92	Pass
55.4123	13	12	92	Pass
56.1454	13	12	92	Pass
56.8785	13	12	92	Pass
57.6116	12	12	100	Pass
58.3448	11	12	109	Pass
59.0779	11	12	109	Pass
59.8110	11	11	100	Pass
60.5441	11	10	90	Pass
61.2773	11	9	81	Pass
62.0104	11	9	81	Pass
62.7435	10	9	90	Pass
63.4767	10	9	90	Pass
64.2098	10	9	90	Pass
64.9429	9	9	100	Pass
65.6760	9	8	88	Pass
66.4092	9	7	77	Pass
67.1423	9	7	77	Pass
67.8754	9	7	77	Pass
68.6086	9	7	77	Pass
69.3417	9	7	77	Pass
70.0748	9	7	77	Pass
70.8079	9	7	77	Pass
71.5411	9	7	77	Pass
72.2742	9	7	77	Pass
73.0073	9	7	77	Pass
73.7404	9	7	77	Pass
74.4736	9	7	77	Pass
75.2067	9	7	77	Pass
75.9398	9	7	77	Pass
76.6730	9	7	77	Pass
77.4061	9	7	77	Pass
78.1392	9	7	77	Pass
78.8723	9	6	66	Pass
79.6055	9	4	44	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

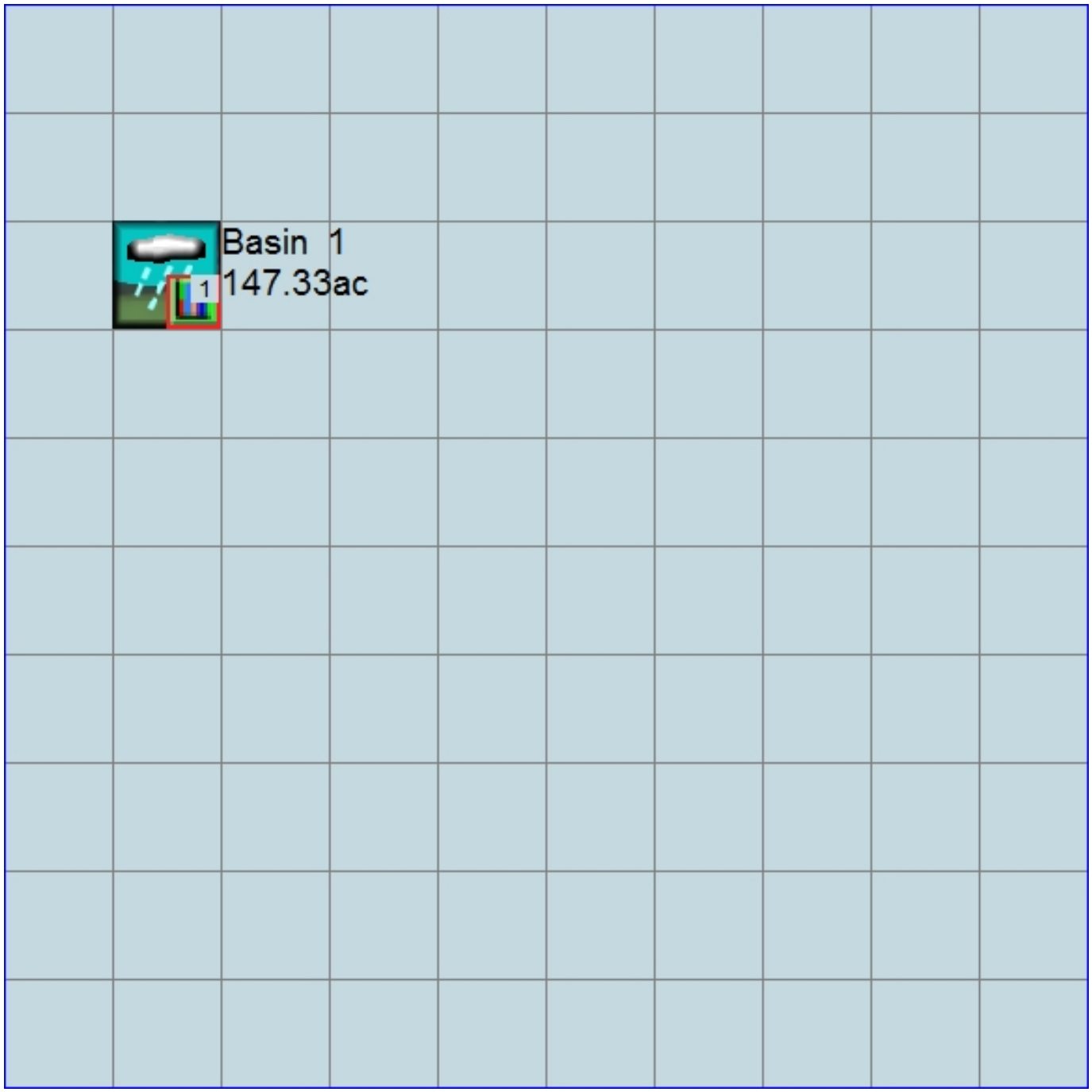
No PERLND changes have been made.

IMPLND Changes

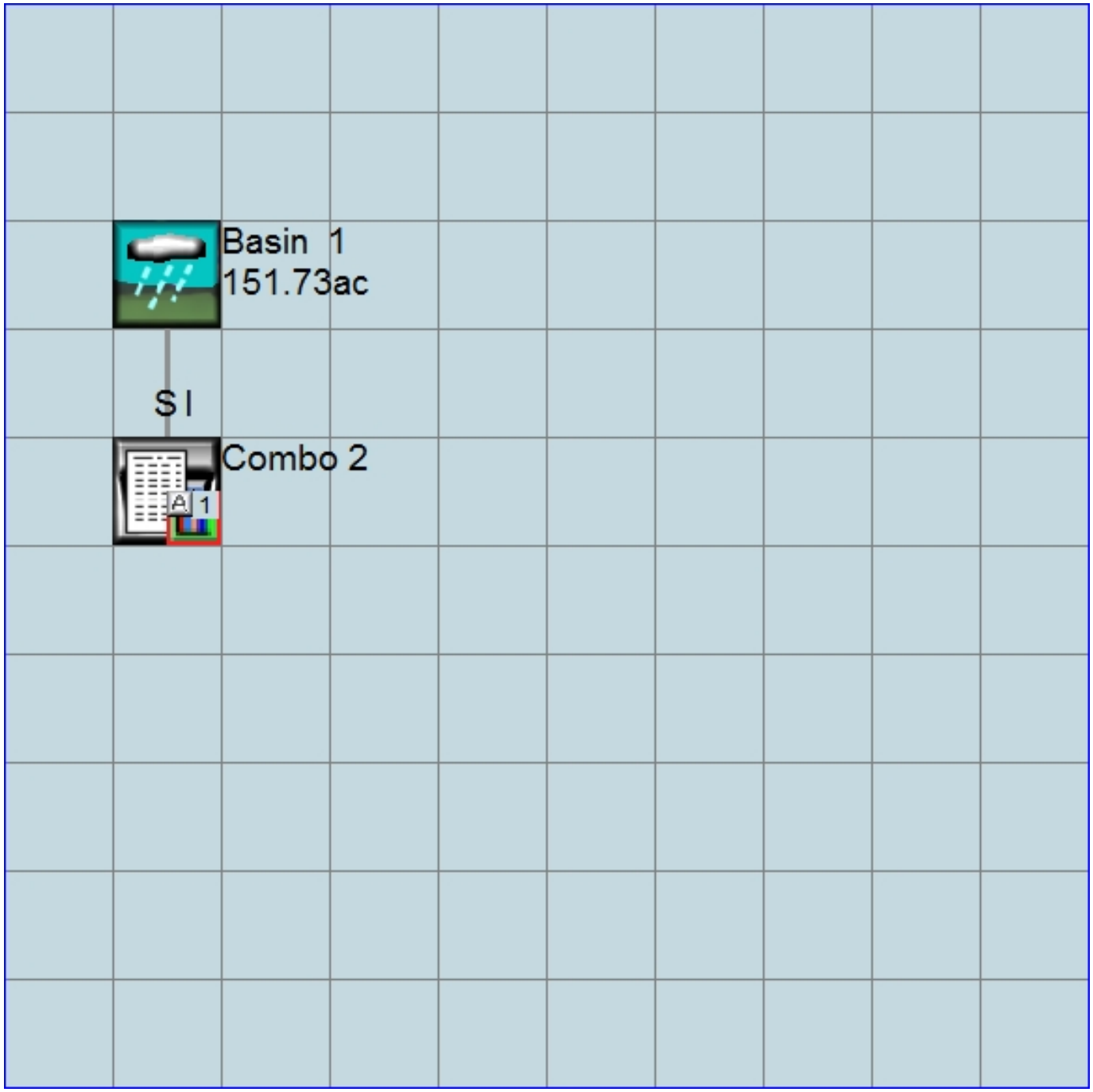
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo 2_pre_rev 11-6.wdm
MESSU       25   PreCombo 2_pre_rev 11-6.MES
            27   PreCombo 2_pre_rev 11-6.L61
            28   PreCombo 2_pre_rev 11-6.L62
            30   POCCombo 2_pre_rev 11-61.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      34
      PERLND      50
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                  MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                       in  out           ***
   34     C,Grass,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   34         0    0    1    0    0    0    0    0    0    0    0    0
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags **************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
```

```
   34         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   34         0    0    0    1    0    0    0    0    1    0    0
   50         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   34              0      4.45     0.043       400      0.02         3      0.92
   50              0      4.35     0.028       400      0.02         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   34             40        35         2         2         0         0      0.05
   50             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   34              0      0.28      0.25      0.65      0.48         0
   50              0      0.28      0.25      0.65      0.48         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   34       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
   50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   34      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS       IFWS       LZS       AGWS       GWVS
   34              0         0      0.15          0         4      0.05          0
   50              0         0      0.15          0         4      0.05          0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                     in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO
```

```
  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK    ***
<Name>   #                 <-factor->     <Name>   #   Tbl#    ***
Basin  1***
PERLND  34                       33.4     COPY   501     12
PERLND  34                       33.4     COPY   501     13
PERLND  50                     113.93     COPY   501     12
PERLND  50                     113.93     COPY   501     13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<----------------><---> User T-series  Engl Metr LKFG             ***
                                       in  out                              ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                  ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *         ***
  END HYDR-PARM1
```

```
  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                            ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
         *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo 2_pre_rev 11-6.wdm
MESSU       25   MitCombo 2_pre_rev 11-6.MES
            27   MitCombo 2_pre_rev 11-6.L61
            28   MitCombo 2_pre_rev 11-6.L62
            30   POCCombo 2_pre_rev 11-61.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      42
      PERLND      34
      PERLND      58
      PERLND      50
      IMPLND       2
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Combo 2                  MAX                     1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out           ***
   42     C,Urban,Mod (1-2%)      1    1    1    1   27    0
   34     C,Grass,Mod (1-2%)      1    1    1    1   27    0
   58     D,Urban,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
```

```
 42         0    0    1    0    0    0    0    0    0    0    0    0
 34         0    0    1    0    0    0    0    0    0    0    0    0
 58         0    0    1    0    0    0    0    0    0    0    0    0
 50         0    0    1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ***************** Print-flags **************************** PIVL  PYR
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
 42         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 34         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 42         0    0    0    1    0    0    0    0    1    0    0
 34         0    0    0    1    0    0    0    0    1    0    0
 58         0    0    0    1    0    0    0    0    1    0    0
 50         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2          ***
  # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR      KVARY      AGWRC
 42              0       4.4      0.03       400      0.02          3       0.92
 34              0      4.45     0.043       400      0.02          3       0.92
 58              0       4.4     0.018       400      0.02          3       0.92
 50              0      4.35     0.028       400      0.02          3       0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3          ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 42             40        35         2         2         0         0      0.05
 34             40        35         2         2         0         0      0.05
 58             40        35         2         2         0         0      0.05
 50             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                                  ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 42              0      0.28      0.25      0.48      0.38         0
 34              0      0.28      0.25      0.65      0.48         0
 58              0      0.28      0.25      0.48      0.38         0
 50              0      0.28      0.25      0.65      0.48         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 42       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 34       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 58       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 42      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 34      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 58      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
END MON-INTERCEP

PWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
             ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
  # -  # ***  CEPS      SURS       UZS      IFWS       LZS       AGWS      GWVS
```

```
   42             0         0      0.15         0         4      0.05         0
   34             0         0      0.15         0         4      0.05         0
   58             0         0      0.15         0         4      0.05         0
   50             0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                      in  out           ***
    2     Imperv,Mod (1-2%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************* Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    ***
    2         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL     *********
    2         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI      ***
    2         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR      SLSUR      NSUR     RETSC
    2           100       0.02      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    2              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    2              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK   ***
<Name>   #                 <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  42                      9.29     RCHRES   1      2
PERLND  42                      9.29     RCHRES   1      3
PERLND  34                     16.96     RCHRES   1      2
PERLND  34                     16.96     RCHRES   1      3
PERLND  58                     20.59     RCHRES   1      2
PERLND  58                     20.59     RCHRES   1      3
PERLND  50                     45.47     RCHRES   1      2
PERLND  50                     45.47     RCHRES   1      3
IMPLND   2                     59.42     RCHRES   1      5

******Routing******
```

```
PERLND  42                        9.29     COPY     1     12
PERLND  34                       16.96     COPY     1     12
PERLND  58                       20.59     COPY     1     12
PERLND  50                       45.47     COPY     1     12
IMPLND   2                       59.42     COPY     1     15
PERLND  42                        9.29     COPY     1     13
PERLND  34                       16.96     COPY     1     13
PERLND  58                       20.59     COPY     1     13
PERLND  50                       45.47     COPY     1     13
RCHRES   1                           1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                       in  out                              ***
    1     Combo 2                 1     1    1    1   28    0    1
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                   ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *        ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0        2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1             1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                      ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
```

```
  62    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.100000  1.110000  0.111000  0.043900
  0.250000  1.131400  0.280600  0.173400
  0.500000  1.152100  0.563300  0.451500
  0.750000  1.173000  0.852000  0.615200
  1.000000  1.194100  1.146500  0.743800
  1.250000  1.215400  1.446800  0.853200
  1.500000  1.236900  1.753100  0.950100
  1.750000  1.258700  2.065200  1.037900
  2.000000  1.280600  2.383100  1.118900
  2.250000  1.302700  2.707000  1.194400
  2.500000  1.325000  3.036700  1.265500
  2.750000  1.347500  3.372300  1.332700
  3.000000  1.370300  3.713700  1.590200
  3.250000  1.393200  4.061100  2.300300
  3.500000  1.416300  4.414300  3.261700
  3.750000  1.439600  4.773300  4.416400
  4.000000  1.463100  5.138300  5.509700
  4.250000  1.486900  5.509100  6.248400
  4.500000  1.510800  5.885800  6.895200
  4.750000  1.534900  6.268300  7.478600
  5.000000  1.559300  6.656700  10.22090
  5.250000  1.583800  7.051000  14.75380
  5.500000  1.608500  7.451200  20.44650
  5.750000  1.633400  7.857200  27.07620
  6.000000  1.658600  8.269100  34.51520
  6.250000  1.683900  8.686900  42.67760
  6.500000  1.709400  9.110600  51.50050
  6.750000  1.735200  9.540100  60.93530
  7.000000  1.761100  9.975500  70.94290
  7.250000  1.787200  10.41670  82.00560
  7.500000  1.813600  10.86380  94.88350
  7.750000  1.840100  11.31680  110.8658
  8.000000  1.866900  11.77570  129.0010
  8.250000  1.893800  12.24050  148.9080
  8.500000  1.920900  12.71110  170.3667
  8.750000  1.948300  13.18750  193.2293
  9.000000  1.975800  13.66990  217.3876
  9.250000  2.003600  14.15810  242.7577
  9.500000  2.031500  14.65220  269.2715
  9.750000  2.059700  15.15220  296.8727
  10.00000  2.088000  15.65800  325.5131
  10.25000  2.116500  16.16970  355.1511
  10.50000  2.145300  16.68730  385.7501
  10.75000  2.174200  17.21070  417.2776
  11.00000  2.203400  17.74000  449.7043
  11.25000  2.232700  18.27520  483.0039
  11.50000  2.262300  18.81630  517.1522
  11.75000  2.292000  19.36320  552.1272
  12.00000  2.322000  19.91600  587.9085
  12.25000  2.352200  20.47470  624.4773
  12.50000  2.382500  21.03920  661.8161
  12.75000  2.413100  21.60960  699.9085
  13.00000  2.443800  22.18590  738.7392
  13.25000  2.474800  22.76800  778.2938
  13.50000  2.505900  23.35610  818.5588
  13.75000  2.537300  23.95000  859.5214
  14.00000  2.568900  24.54970  901.1695
  14.25000  2.600600  25.15530  943.4916
  14.50000  2.632600  25.76680  986.4769
  14.75000  2.664700  26.38420  1030.115
  15.00000  2.697100  27.00750  1074.395
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
```

```
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  42     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7       SAME PERLND  58     EXTNL  SURLI
WDM      2 PREC     ENGL    1.045          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1002 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1003 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: Combo3_post
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.14
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Combo #3

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,VSteep(>5%)	81.13
Pervious Total	81.13

Impervious Land Use	Acres
Impervious Total	0
Basin Total	81.13

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Combo#3

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,VSteep(>5%)	30.06
D,Grass,VSteep(>5%)	2.09
Pervious Total	32.15

Impervious Land Use	Acres
Imperv,VSteep(>5%)	48.98
Impervious Total	48.98
Basin Total	81.13

Element Flows To:

Surface	Interflow	Groundwater
SSD Table 1	SSD Table 1	

Mitigated Routing

SSD Table 1

Depth: 12.75 ft.
Element Flows To:
Outlet 1 Outlet 2

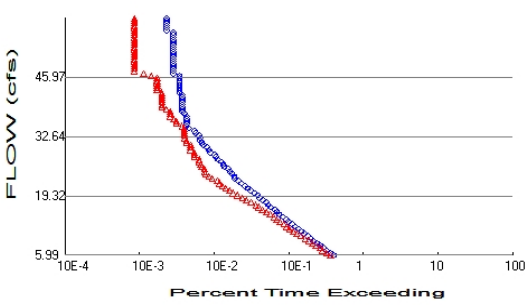
SSD Table Hydraulic Table

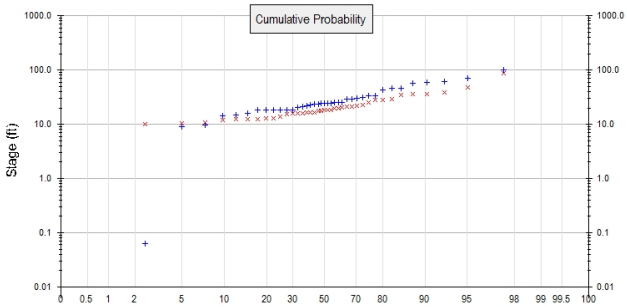
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	1.640	0.164	0.053	0.000	0.000	0.000	0.000
0.250	1.673	0.415	0.208	0.000	0.000	0.000	0.000
0.500	1.705	0.837	0.589	0.000	0.000	0.000	0.000
0.750	1.737	1.268	0.851	0.000	0.000	0.000	0.000
1.000	1.769	1.706	1.043	0.000	0.000	0.000	0.000
1.250	1.802	2.152	1.204	0.000	0.000	0.000	0.000
1.500	1.834	2.606	1.346	0.000	0.000	0.000	0.000
1.750	1.866	3.068	1.530	0.000	0.000	0.000	0.000
2.000	1.898	3.538	2.413	0.000	0.000	0.000	0.000
2.250	1.930	4.016	3.848	0.000	0.000	0.000	0.000
2.500	1.962	4.502	6.946	0.000	0.000	0.000	0.000
2.750	1.994	4.995	11.25	0.000	0.000	0.000	0.000
3.000	2.026	5.497	16.42	0.000	0.000	0.000	0.000
3.250	2.058	6.007	22.33	0.000	0.000	0.000	0.000
3.500	2.090	6.524	28.88	0.000	0.000	0.000	0.000
3.750	2.122	7.049	36.01	0.000	0.000	0.000	0.000
4.000	2.153	7.582	43.69	0.000	0.000	0.000	0.000
4.250	2.185	8.124	51.87	0.000	0.000	0.000	0.000
4.500	2.217	8.673	60.52	0.000	0.000	0.000	0.000
4.750	2.249	9.230	72.56	0.000	0.000	0.000	0.000
5.000	2.281	9.794	87.07	0.000	0.000	0.000	0.000
5.250	2.313	10.37	103.9	0.000	0.000	0.000	0.000
5.500	2.344	10.95	122.6	0.000	0.000	0.000	0.000
5.750	2.376	11.54	142.9	0.000	0.000	0.000	0.000
6.000	2.408	12.13	164.7	0.000	0.000	0.000	0.000
6.250	2.439	12.74	187.8	0.000	0.000	0.000	0.000
6.500	2.471	13.35	212.2	0.000	0.000	0.000	0.000
6.750	2.503	13.97	237.7	0.000	0.000	0.000	0.000
7.000	2.534	14.60	264.4	0.000	0.000	0.000	0.000
7.250	2.566	15.23	292.1	0.000	0.000	0.000	0.000
7.500	2.598	15.88	320.9	0.000	0.000	0.000	0.000
7.750	2.629	16.53	350.7	0.000	0.000	0.000	0.000
8.000	2.661	17.19	381.4	0.000	0.000	0.000	0.000
8.250	2.692	17.86	413.0	0.000	0.000	0.000	0.000
8.500	2.724	18.53	445.5	0.000	0.000	0.000	0.000
8.750	2.755	19.22	478.8	0.000	0.000	0.000	0.000
9.000	2.787	19.91	513.1	0.000	0.000	0.000	0.000
9.250	2.818	20.61	548.1	0.000	0.000	0.000	0.000
9.500	2.849	21.31	583.9	0.000	0.000	0.000	0.000
9.750	2.881	22.03	620.6	0.000	0.000	0.000	0.000
10.000	2.912	22.75	657.9	0.000	0.000	0.000	0.000
10.25	2.943	23.48	696.1	0.000	0.000	0.000	0.000
10.50	2.975	24.22	735.0	0.000	0.000	0.000	0.000
10.75	3.006	24.97	774.6	0.000	0.000	0.000	0.000

11.00	3.037	25.72	814.9	0.000	0.000	0.000	0.000
11.25	3.068	26.49	855.9	0.000	0.000	0.000	0.000
11.50	3.100	27.26	897.5	0.000	0.000	0.000	0.000
11.75	3.131	28.04	939.9	0.000	0.000	0.000	0.000
12.00	3.162	28.82	982.9	0.000	0.000	0.000	0.000
12.25	3.193	29.62	1026.572	0.000	0.000	0.000	0.000
12.50	3.224	30.42	1070.88	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 81.13
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 32.15
Total Impervious Area: 48.98

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	23.95809
5 year	40.429766
10 year	59.298595
25 year	77.598776

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	17.848673
5 year	27.904224
10 year	36.402517
25 year	55.860712

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	25.075	16.351
1966	9.721	10.663
1967	25.621	21.694
1968	16.119	12.912
1969	24.536	16.047
1970	22.626	18.149
1971	25.276	15.794
1972	14.495	10.465
1973	46.873	29.563
1974	34.043	17.750
1975	18.616	9.932
1976	0.062	12.121
1977	0.021	2.170
1978	61.569	36.543

1979	18.648	13.788
1980	20.574	19.749
1981	24.416	18.335
1982	33.001	25.474
1983	46.380	27.983
1984	24.758	19.865
1985	23.175	12.489
1986	71.084	46.916
1987	18.604	16.288
1988	21.278	20.797
1989	29.798	17.953
1990	18.504	12.475
1991	21.868	18.296
1992	28.918	27.625
1993	24.047	16.750
1994	9.156	15.176
1995	100.761	87.665
1996	59.714	35.390
1997	56.308	38.820
1998	42.226	35.168
1999	14.905	12.315
2000	28.897	22.702
2001	18.395	12.960
2002	18.333	15.994
2003	23.874	20.799
2004	30.689	20.729

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	100.7610	87.6652
2	71.0844	46.9157
3	61.5694	38.8202
4	59.7139	36.5432
5	56.3084	35.3896
6	46.8729	35.1679
7	46.3796	29.5634
8	42.2261	27.9827
9	34.0428	27.6252
10	33.0014	25.4743
11	30.6887	22.7021
12	29.7976	21.6938
13	28.9179	20.7994
14	28.8968	20.7966
15	25.6205	20.7290
16	25.2756	19.8651
17	25.0752	19.7494
18	24.7577	18.3350
19	24.5364	18.2962
20	24.4159	18.1488
21	24.0467	17.9527
22	23.8737	17.7496
23	23.1745	16.7503
24	22.6258	16.3506
25	21.8683	16.2882
26	21.2778	16.0465
27	20.5738	15.9938
28	18.6479	15.7942

29	18.6158	15.1763
30	18.6040	13.7882
31	18.5043	12.9597
32	18.3952	12.9122
33	18.3334	12.4891
34	16.1190	12.4748
35	14.9050	12.3145
36	14.4949	12.1211
37	9.7214	10.6632
38	9.1558	10.4654
39	0.0623	9.9316
40	0.0210	2.1700

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
5.9895	1405	1266	90	Pass
6.5280	1274	1116	87	Pass
7.0665	1133	1003	88	Pass
7.6049	1028	919	89	Pass
8.1434	932	815	87	Pass
8.6819	838	722	86	Pass
9.2204	751	657	87	Pass
9.7589	690	583	84	Pass
10.2973	629	506	80	Pass
10.8358	563	449	79	Pass
11.3743	519	402	77	Pass
11.9128	481	360	74	Pass
12.4512	427	330	77	Pass
12.9897	386	301	77	Pass
13.5282	350	266	76	Pass
14.0667	323	240	74	Pass
14.6051	291	221	75	Pass
15.1436	261	198	75	Pass
15.6821	243	175	72	Pass
16.2206	228	155	67	Pass
16.7590	202	139	68	Pass
17.2975	189	127	67	Pass
17.8360	173	109	63	Pass
18.3745	157	94	59	Pass
18.9129	142	84	59	Pass
19.4514	135	72	53	Pass
19.9899	122	63	51	Pass
20.5284	108	56	51	Pass
21.0668	99	50	50	Pass
21.6053	91	45	49	Pass
22.1438	81	41	50	Pass
22.6823	74	39	52	Pass
23.2207	66	33	50	Pass
23.7592	65	30	46	Pass
24.2977	61	27	44	Pass
24.8362	57	26	45	Pass
25.3746	54	26	48	Pass
25.9131	48	24	50	Pass
26.4516	46	23	50	Pass
26.9901	44	22	50	Pass
27.5285	40	22	55	Pass
28.0670	37	19	51	Pass
28.6055	36	19	52	Pass
29.1440	31	19	61	Pass
29.6824	30	17	56	Pass
30.2209	28	17	60	Pass
30.7594	25	17	68	Pass
31.2979	24	15	62	Pass
31.8363	23	15	65	Pass
32.3748	23	14	60	Pass
32.9133	22	14	63	Pass
33.4518	20	14	70	Pass
33.9902	19	14	73	Pass

34.5287	16	14	87	Pass
35.0672	15	13	86	Pass
35.6057	15	11	73	Pass
36.1441	15	11	73	Pass
36.6826	15	10	66	Pass
37.2211	15	9	60	Pass
37.7596	14	9	64	Pass
38.2981	13	9	69	Pass
38.8365	13	8	61	Pass
39.3750	13	7	53	Pass
39.9135	13	7	53	Pass
40.4520	13	7	53	Pass
40.9904	13	7	53	Pass
41.5289	13	7	53	Pass
42.0674	13	7	53	Pass
42.6059	12	7	58	Pass
43.1443	12	6	50	Pass
43.6828	12	6	50	Pass
44.2213	12	6	50	Pass
44.7598	12	6	50	Pass
45.2982	12	6	50	Pass
45.8367	12	6	50	Pass
46.3752	12	5	41	Pass
46.9137	10	4	40	Pass
47.4521	10	3	30	Pass
47.9906	10	3	30	Pass
48.5291	10	3	30	Pass
49.0676	10	3	30	Pass
49.6060	10	3	30	Pass
50.1445	10	3	30	Pass
50.6830	10	3	30	Pass
51.2215	10	3	30	Pass
51.7599	10	3	30	Pass
52.2984	10	3	30	Pass
52.8369	10	3	30	Pass
53.3754	10	3	30	Pass
53.9138	10	3	30	Pass
54.4523	10	3	30	Pass
54.9908	10	3	30	Pass
55.5293	10	3	30	Pass
56.0677	10	3	30	Pass
56.6062	8	3	37	Pass
57.1447	8	3	37	Pass
57.6832	8	3	37	Pass
58.2216	8	3	37	Pass
58.7601	8	3	37	Pass
59.2986	8	3	37	Pass

Water Quality

Drawdown Time Results

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

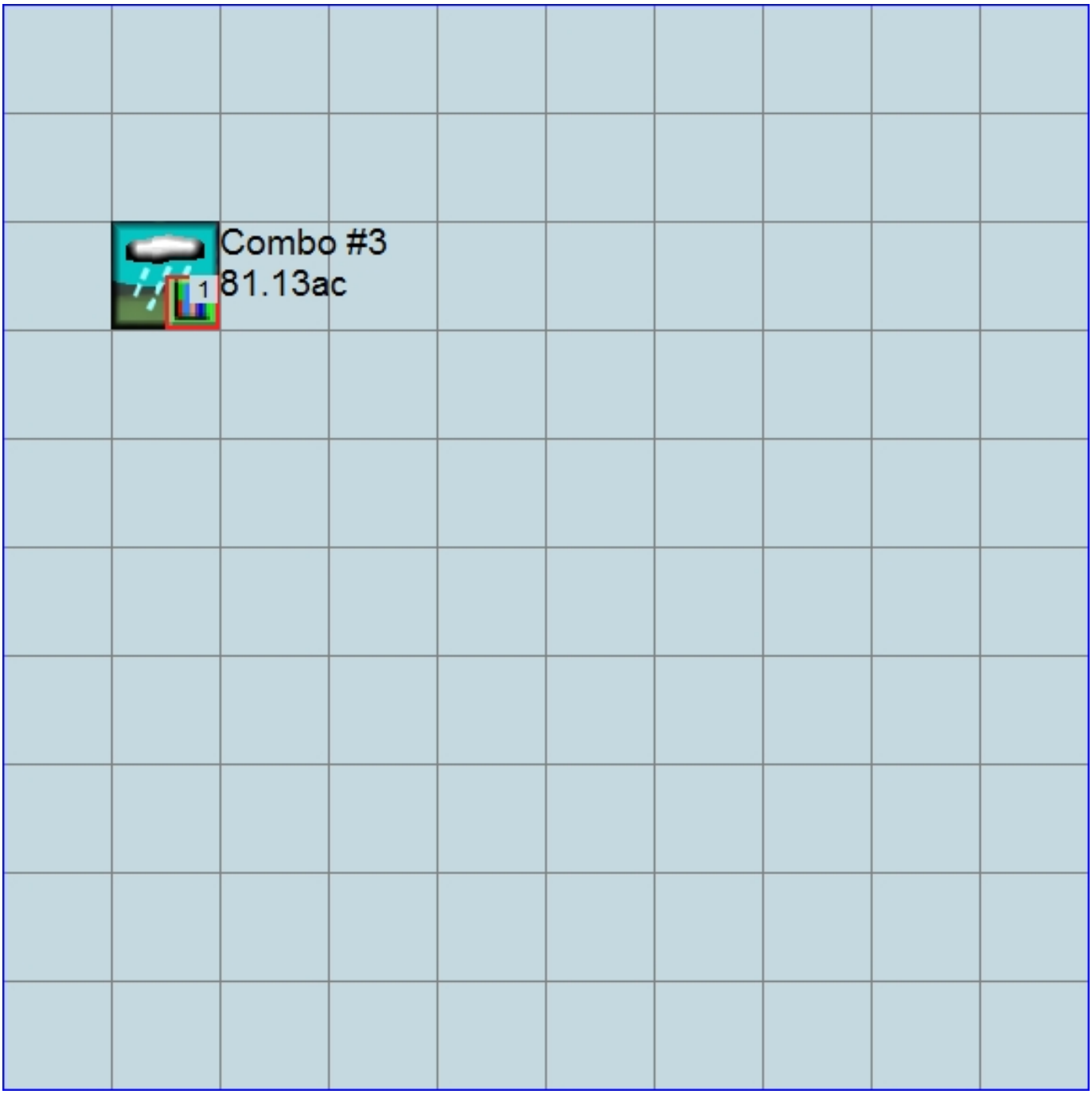
No PERLND changes have been made.

IMPLND Changes

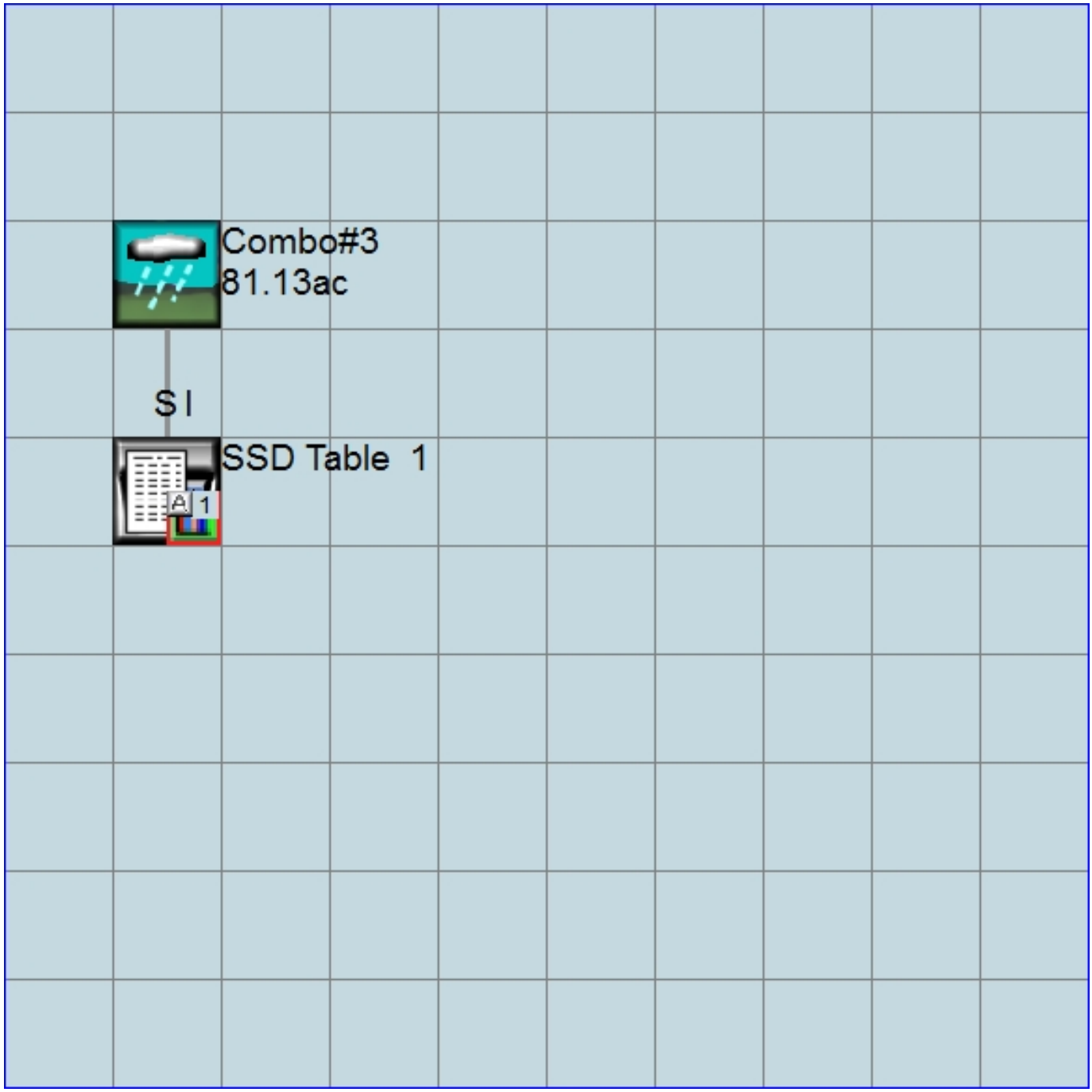
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo3_post.wdm
MESSU       25   PreCombo3_post.MES
            27   PreCombo3_post.L61
            28   PreCombo3_post.L62
            30   POCCombo3_post1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      52
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Combo #3                   MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                         User  t-series Engl Metr ***
                                      in  out           ***
   52     D,Grass,VSteep(>5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   52         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags **************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO
```

```
  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   52         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   52             0       4.2      0.02       350       0.1         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   52            40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   52             0      0.25      0.25       0.5       0.4         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   52       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   52      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   52             0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                     in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2
```

```
  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                  <--Area-->     <-Target->   MBLK   ***
<Name>   #                  <-factor->     <Name>   #   Tbl#   ***
Combo #3***
PERLND  52                       81.13     COPY   501     12
PERLND  52                       81.13     COPY   501     13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                 ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG            ***
                                         in  out                             ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************* Active Sections *****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                      ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *     *  *  *  *  *       *  *  *  *  *        ***
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><-------->       ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                         ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit       for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES
```

```
SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.136          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.136          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo3_post.wdm
MESSU       25   MitCombo3_post.MES
            27   MitCombo3_post.L61
            28   MitCombo3_post.L62
            30   POCCombo3_post1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      60
      PERLND      52
      IMPLND       4
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        SSD Table  1                MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out           ***
   60     D,Urban,VSteep(>5%)     1    1    1    1   27    0
   52     D,Grass,VSteep(>5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   60         0    0    1    0    0    0    0    0    0    0    0    0
   52         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   60         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   60         0    0    0    1    0    0    0    0    1    0    0
   52         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   60              0      4.25      0.01       350       0.1         3      0.92
   52              0       4.2      0.02       350       0.1         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   60             40        35         2         2         0         0      0.05
   52             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                                  ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   60              0      0.25      0.25      0.35      0.35         0
   52              0      0.25      0.25       0.5       0.4         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   60       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   52       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   60      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   52      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
              ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   60              0         0      0.15         0         4      0.05         0
   52              0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                  in  out           ***
    4     Imperv,VSteep(>5%)      1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************* Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
    4         0    0    1    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
    4         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    4         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    4            100       0.1      0.05      0.09
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    4              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    4              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                <--Area-->     <-Target->   MBLK   ***
<Name>   #                <-factor->     <Name>   #   Tbl#   ***
Combo#3***
PERLND  60                      30.06     RCHRES   1      2
PERLND  60                      30.06     RCHRES   1      3
PERLND  52                       2.09     RCHRES   1      2
PERLND  52                       2.09     RCHRES   1      3
IMPLND   4                      48.98     RCHRES   1      5

******Routing******
PERLND  60                      30.06     COPY     1     12
PERLND  52                       2.09     COPY     1     12
IMPLND   4                      48.98     COPY     1     15
PERLND  60                      30.06     COPY     1     13
PERLND  52                       2.09     COPY     1     13
RCHRES   1                          1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                       in  out                              ***
    1     SSD Table  10005        1    1    1    1   28    0    1
  END GEN-INFO
```

```
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                    ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
           FG FG FG FG  possible  exit  *** possible  exit      possible  exit
            *  *  *  *    *  *  *  *  *       *  *  *  *  *         ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1               1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                       ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
         *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0           4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
   53    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.100000  1.640000  0.164000  0.052700
  0.250000  1.672800  0.414600  0.208100
  0.500000  1.705000  0.837100  0.588700
  0.750000  1.737200  1.267500  0.851200
  1.000000  1.769300  1.705800  1.042500
  1.250000  1.801500  2.152000  1.203700
  1.500000  1.833600  2.606100  1.345800
  1.750000  1.865600  3.068200  1.530100
  2.000000  1.897700  3.538100  2.413200
  2.250000  1.929800  4.016000  3.847800
  2.500000  1.961800  4.501700  6.946100
  2.750000  1.993800  4.995400  11.24550
  3.000000  2.025800  5.497000  16.41900
  3.250000  2.057700  6.006500  22.32520
  3.500000  2.089600  6.523900  28.87720
  3.750000  2.121500  7.049200  36.01400
  4.000000  2.153400  7.582400  43.68960
  4.250000  2.185300  8.123500  51.86750
  4.500000  2.217100  8.672600  60.51780
  4.750000  2.249000  9.229500  72.55690
  5.000000  2.280800  9.794400  87.07250
  5.250000  2.312500  10.36710  103.8994
  5.500000  2.344300  10.94780  122.5947
  5.750000  2.376000  11.53640  142.9125
  6.000000  2.407700  12.13290  164.6907
  6.250000  2.439400  12.73730  187.8116
```

```
  6.500000  2.471100  13.34960  212.1847
  6.750000  2.502700  13.96980  237.7370
  7.000000  2.534300  14.59800  264.4081
  7.250000  2.565900  15.23400  292.1467
  7.500000  2.597500  15.87800  320.9086
  7.750000  2.629000  16.52980  350.6549
  8.000000  2.660600  17.18960  381.3511
  8.250000  2.692100  17.85730  412.9666
  8.500000  2.723600  18.53290  445.4733
  8.750000  2.755000  19.21640  478.8460
  9.000000  2.786500  19.90780  513.0615
  9.250000  2.817900  20.60710  548.0984
  9.500000  2.849300  21.31430  583.9369
  9.750000  2.880600  22.02950  620.5588
  10.00000  2.912000  22.75250  657.9470
  10.25000  2.943300  23.48350  696.0854
  10.50000  2.974600  24.22230  734.9591
  10.75000  3.005900  24.96910  774.5541
  11.00000  3.037200  25.72380  814.8570
  11.25000  3.068400  26.48640  855.8552
  11.50000  3.099600  27.25690  897.5369
  11.75000  3.130800  28.03530  939.8907
  12.00000  3.162000  28.82160  982.9059
  12.25000  3.193100  29.61580  1026.572
  12.50000  3.224300  30.41800  1070.880
  12.75000  3.255400  31.22800  1115.819
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.136          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.136          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  60     EXTNL  SURLI
WDM      2 PREC     ENGL    1.136          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12
```

```
  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: Combo4_SSD
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.14
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,VSteep(>5%)	29.64
Pervious Total	29.64

Impervious Land Use	Acres
Impervious Total	0
Basin Total	29.64

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,VSteep(>5%)	14.22
D,Grass,VSteep(>5%)	2.15
Pervious Total	16.37

Impervious Land Use	Acres
Imperv,VSteep(>5%)	8.57
Impervious Total	8.57
Basin Total	24.94

Element Flows To:

Surface	Interflow	Groundwater
SSD Table 1	SSD Table 1	

Mitigated Routing

SSD Table 1

Depth: 24.25 ft.
Element Flows To:
Outlet 1 Outlet 2

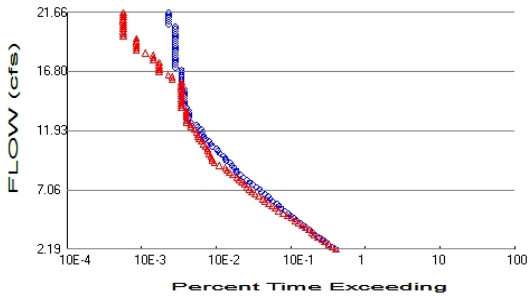
SSD Table Hydraulic Table

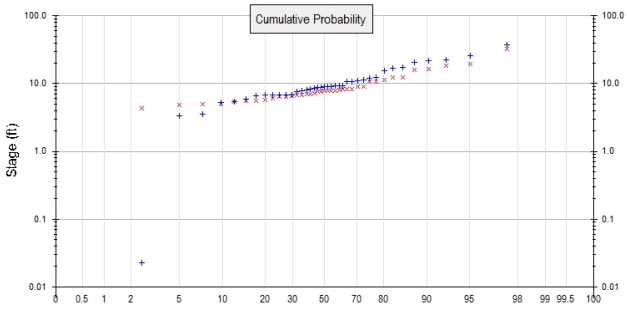
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.001	0.001	0.000	0.000	0.000	0.000	0.000
0.250	0.005	0.003	0.027	0.000	0.000	0.000	0.000
0.500	0.010	0.003	0.043	0.000	0.000	0.000	0.000
0.750	0.015	0.005	0.055	0.000	0.000	0.000	0.000
1.000	0.021	0.008	0.064	0.000	0.000	0.000	0.000
1.250	0.028	0.013	0.072	0.000	0.000	0.000	0.000
1.500	0.036	0.020	0.080	0.000	0.000	0.000	0.000
1.750	0.044	0.029	0.086	0.000	0.000	0.000	0.000
2.000	0.053	0.040	0.093	0.000	0.000	0.000	0.000
2.250	0.063	0.053	0.098	0.000	0.000	0.000	0.000
2.500	0.073	0.069	0.104	0.000	0.000	0.000	0.000
2.750	0.084	0.088	0.109	0.000	0.000	0.000	0.000
3.000	0.095	0.109	0.114	0.000	0.000	0.000	0.000
3.250	0.108	0.134	0.119	0.000	0.000	0.000	0.000
3.500	0.121	0.162	0.124	0.000	0.000	0.000	0.000
3.750	0.134	0.193	0.128	0.000	0.000	0.000	0.000
4.000	0.149	0.228	0.132	0.000	0.000	0.000	0.000
4.250	0.164	0.266	0.137	0.000	0.000	0.000	0.000
4.500	0.180	0.309	0.141	0.000	0.000	0.000	0.000
4.750	0.196	0.355	0.144	0.000	0.000	0.000	0.000
5.000	0.213	0.406	0.148	0.000	0.000	0.000	0.000
5.250	0.231	0.461	0.152	0.000	0.000	0.000	0.000
5.500	0.249	0.521	0.156	0.000	0.000	0.000	0.000
5.750	0.268	0.586	0.888	0.000	0.000	0.000	0.000
6.000	0.288	0.655	4.041	0.000	0.000	0.000	0.000
6.250	0.309	0.730	10.17	0.000	0.000	0.000	0.000
6.500	0.330	0.810	17.12	0.000	0.000	0.000	0.000
6.750	0.352	0.895	21.46	0.000	0.000	0.000	0.000
7.000	0.374	0.987	28.61	0.000	0.000	0.000	0.000
7.250	0.398	1.084	40.22	0.000	0.000	0.000	0.000
7.500	0.421	1.186	54.37	0.000	0.000	0.000	0.000
7.750	0.446	1.296	70.54	0.000	0.000	0.000	0.000
8.000	0.471	1.411	88.45	0.000	0.000	0.000	0.000
8.250	0.497	1.533	107.9	0.000	0.000	0.000	0.000
8.500	0.524	1.662	128.8	0.000	0.000	0.000	0.000
8.750	0.551	1.797	151.1	0.000	0.000	0.000	0.000
9.000	0.579	1.939	174.6	0.000	0.000	0.000	0.000
9.250	0.608	2.089	199.3	0.000	0.000	0.000	0.000
9.500	0.637	2.246	225.1	0.000	0.000	0.000	0.000
9.750	0.667	2.411	252.0	0.000	0.000	0.000	0.000
10.000	0.698	2.583	279.9	0.000	0.000	0.000	0.000
10.25	0.729	2.763	308.8	0.000	0.000	0.000	0.000
10.50	0.761	2.952	338.7	0.000	0.000	0.000	0.000
10.75	0.794	3.148	369.5	0.000	0.000	0.000	0.000

11.00	0.827	3.353	401.2	0.000	0.000	0.000	0.000
11.25	0.862	3.566	433.8	0.000	0.000	0.000	0.000
11.50	0.896	3.789	467.2	0.000	0.000	0.000	0.000
11.75	0.932	4.020	501.5	0.000	0.000	0.000	0.000
12.00	0.968	4.260	536.6	0.000	0.000	0.000	0.000
12.25	1.005	4.510	572.5	0.000	0.000	0.000	0.000
12.50	1.042	4.768	609.1	0.000	0.000	0.000	0.000
12.75	1.081	5.037	646.5	0.000	0.000	0.000	0.000
13.00	1.119	5.315	684.7	0.000	0.000	0.000	0.000
13.25	1.159	5.604	723.6	0.000	0.000	0.000	0.000
13.50	1.199	5.902	763.2	0.000	0.000	0.000	0.000
13.75	1.240	6.211	803.5	0.000	0.000	0.000	0.000
14.00	1.282	6.530	844.5	0.000	0.000	0.000	0.000
14.25	1.324	6.860	886.2	0.000	0.000	0.000	0.000
14.50	1.367	7.201	928.6	0.000	0.000	0.000	0.000
14.75	1.411	7.552	971.6	0.000	0.000	0.000	0.000
15.00	1.455	7.915	1015.247	0.000	0.000	0.000	0.000
15.25	1.500	8.289	1059.55	0.000	0.000	0.000	0.000
15.50	1.546	8.675	1104.482	0.000	0.000	0.000	0.000
15.75	1.592	9.072	1150.036	0.000	0.000	0.000	0.000
16.00	1.639	9.481	1196.202	0.000	0.000	0.000	0.000
16.25	1.687	9.903	1242.974	0.000	0.000	0.000	0.000
16.50	1.735	10.34	1290.342	0.000	0.000	0.000	0.000
16.75	1.784	10.78	1338.3	0.000	0.000	0.000	0.000
17.00	1.834	11.24	1386.84	0.000	0.000	0.000	0.000
17.25	1.884	11.71	1435.956	0.000	0.000	0.000	0.000
17.50	1.936	12.20	1485.64	0.000	0.000	0.000	0.000
17.75	1.987	12.69	1535.887	0.000	0.000	0.000	0.000
18.00	2.040	13.20	1586.69	0.000	0.000	0.000	0.000
18.25	2.093	13.73	1638.043	0.000	0.000	0.000	0.000
18.50	2.147	14.26	1689.939	0.000	0.000	0.000	0.000
18.75	2.201	14.81	1742.375	0.000	0.000	0.000	0.000
19.00	2.257	15.38	1795.343	0.000	0.000	0.000	0.000
19.25	2.313	15.96	1848.839	0.000	0.000	0.000	0.000
19.50	2.369	16.55	1902.858	0.000	0.000	0.000	0.000
19.75	2.426	17.16	1957.394	0.000	0.000	0.000	0.000
20.00	2.484	17.78	2012.443	0.000	0.000	0.000	0.000
20.25	2.543	18.42	2067.999	0.000	0.000	0.000	0.000
20.50	2.602	19.07	2124.059	0.000	0.000	0.000	0.000
20.75	2.662	19.74	2180.618	0.000	0.000	0.000	0.000
21.00	2.723	20.42	2237.67	0.000	0.000	0.000	0.000
21.25	2.784	21.12	2295.214	0.000	0.000	0.000	0.000
21.50	2.846	21.83	2353.243	0.000	0.000	0.000	0.000
21.75	2.909	22.56	2411.754	0.000	0.000	0.000	0.000
22.00	2.972	23.31	2470.743	0.000	0.000	0.000	0.000
22.25	3.036	24.07	2530.206	0.000	0.000	0.000	0.000
22.50	3.101	24.85	2590.139	0.000	0.000	0.000	0.000
22.75	3.167	25.64	2650.54	0.000	0.000	0.000	0.000
23.00	3.233	26.45	2711.403	0.000	0.000	0.000	0.000
23.25	3.299	27.28	2772.726	0.000	0.000	0.000	0.000
23.50	3.367	28.13	2834.505	0.000	0.000	0.000	0.000
23.75	3.435	28.99	2896.738	0.000	0.000	0.000	0.000
24.00	3.504	29.87	2959.419	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 29.64
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 16.37
Total Impervious Area: 8.57

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	8.752834
5 year	14.770624
10 year	21.66408
25 year	28.349873

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	7.695436
5 year	11.194095
10 year	16.445476
25 year	22.424905

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	9.161	7.076
1966	3.552	4.295
1967	9.360	7.692
1968	5.889	5.489
1969	8.964	7.699
1970	8.266	6.877
1971	9.234	8.938
1972	5.296	5.701
1973	17.125	12.180
1974	12.437	10.844
1975	6.801	5.515
1976	0.023	5.027
1977	0.008	1.155
1978	22.494	18.427

1979	6.813	5.618
1980	7.516	7.027
1981	8.920	7.891
1982	12.057	10.562
1983	16.944	11.293
1984	9.045	7.908
1985	8.467	7.722
1986	25.970	19.535
1987	6.797	6.368
1988	7.774	6.718
1989	10.886	8.400
1990	6.760	6.446
1991	7.989	6.618
1992	10.565	9.152
1993	8.785	8.337
1994	3.345	4.999
1995	36.812	32.699
1996	21.816	16.510
1997	20.572	15.985
1998	15.427	12.498
1999	5.445	4.778
2000	10.557	8.309
2001	6.721	7.148
2002	6.698	6.142
2003	8.722	8.044
2004	11.212	7.842

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	36.8120	32.6987
2	25.9699	19.5354
3	22.4937	18.4270
4	21.8158	16.5095
5	20.5717	15.9845
6	17.1245	12.4977
7	16.9443	12.1796
8	15.4269	11.2927
9	12.4372	10.8435
10	12.0567	10.5620
11	11.2118	9.1524
12	10.8862	8.9381
13	10.5648	8.4000
14	10.5572	8.3371
15	9.3602	8.3095
16	9.2342	8.0441
17	9.1610	7.9078
18	9.0450	7.8911
19	8.9641	7.8419
20	8.9201	7.7217
21	8.7852	7.6990
22	8.7220	7.6921
23	8.4666	7.1478
24	8.2661	7.0758
25	7.9894	7.0274
26	7.7736	6.8769
27	7.5164	6.7180
28	6.8128	6.6176

29	6.8011	6.4459
30	6.7968	6.3685
31	6.7604	6.1416
32	6.7205	5.7013
33	6.6979	5.6185
34	5.8889	5.5149
35	5.4454	5.4886
36	5.2956	5.0274
37	3.5516	4.9986
38	3.3450	4.7779
39	0.0227	4.2947
40	0.0077	1.1548

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
2.1882	1405	1408	100	Pass
2.3849	1274	1274	100	Pass
2.5817	1133	1132	99	Pass
2.7784	1028	1005	97	Pass
2.9751	932	912	97	Pass
3.1718	840	817	97	Pass
3.3686	751	728	96	Pass
3.5653	690	665	96	Pass
3.7620	629	608	96	Pass
3.9587	563	550	97	Pass
4.1555	519	496	95	Pass
4.3522	481	452	93	Pass
4.5489	427	406	95	Pass
4.7456	386	358	92	Pass
4.9424	350	319	91	Pass
5.1391	323	279	86	Pass
5.3358	291	240	82	Pass
5.5326	261	216	82	Pass
5.7293	243	197	81	Pass
5.9260	228	178	78	Pass
6.1227	201	158	78	Pass
6.3195	189	150	79	Pass
6.5162	173	131	75	Pass
6.7129	157	116	73	Pass
6.9096	142	105	73	Pass
7.1064	135	98	72	Pass
7.3031	122	90	73	Pass
7.4998	108	84	77	Pass
7.6965	99	77	77	Pass
7.8933	91	71	78	Pass
8.0900	81	66	81	Pass
8.2867	74	59	79	Pass
8.4834	66	53	80	Pass
8.6802	65	49	75	Pass
8.8769	61	47	77	Pass
9.0736	57	39	68	Pass
9.2703	54	33	61	Pass
9.4671	48	31	64	Pass
9.6638	46	31	67	Pass
9.8605	44	30	68	Pass
10.0572	40	28	70	Pass
10.2540	37	27	72	Pass
10.4507	36	27	75	Pass
10.6474	31	25	80	Pass
10.8442	30	24	80	Pass
11.0409	28	22	78	Pass
11.2376	25	21	84	Pass
11.4343	24	20	83	Pass
11.6311	23	20	86	Pass
11.8278	23	19	82	Pass
12.0245	22	18	81	Pass
12.2212	20	16	80	Pass
12.4180	19	16	84	Pass

12.6147	16	14	87	Pass
12.8114	15	14	93	Pass
13.0081	15	14	93	Pass
13.2049	15	14	93	Pass
13.4016	15	14	93	Pass
13.5983	15	14	93	Pass
13.7950	14	12	85	Pass
13.9918	13	12	92	Pass
14.1885	13	12	92	Pass
14.3852	13	12	92	Pass
14.5819	13	12	92	Pass
14.7787	13	12	92	Pass
14.9754	13	12	92	Pass
15.1721	13	12	92	Pass
15.3688	13	12	92	Pass
15.5656	12	12	100	Pass
15.7623	12	12	100	Pass
15.9590	12	12	100	Pass
16.1558	12	9	75	Pass
16.3525	12	9	75	Pass
16.5492	12	8	66	Pass
16.7459	12	6	50	Pass
16.9427	12	6	50	Pass
17.1394	10	6	60	Pass
17.3361	10	6	60	Pass
17.5328	10	6	60	Pass
17.7296	10	5	50	Pass
17.9263	10	5	50	Pass
18.1230	10	5	50	Pass
18.3197	10	4	40	Pass
18.5165	10	3	30	Pass
18.7132	10	3	30	Pass
18.9099	10	3	30	Pass
19.1066	10	3	30	Pass
19.3034	10	3	30	Pass
19.5001	10	3	30	Pass
19.6968	10	2	20	Pass
19.8935	10	2	20	Pass
20.0903	10	2	20	Pass
20.2870	10	2	20	Pass
20.4837	10	2	20	Pass
20.6805	8	2	25	Pass
20.8772	8	2	25	Pass
21.0739	8	2	25	Pass
21.2706	8	2	25	Pass
21.4674	8	2	25	Pass
21.6641	8	2	25	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

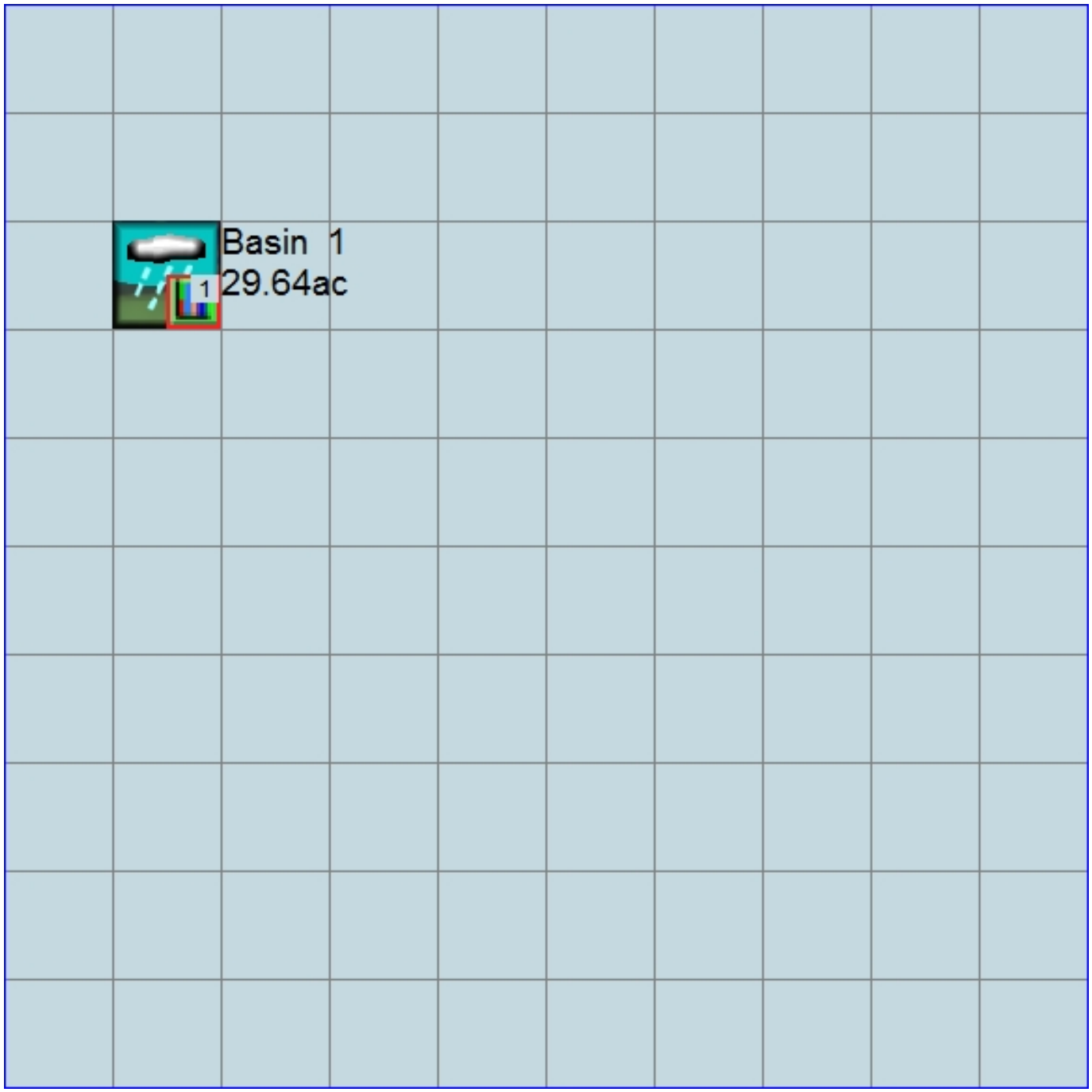
No PERLND changes have been made.

IMPLND Changes

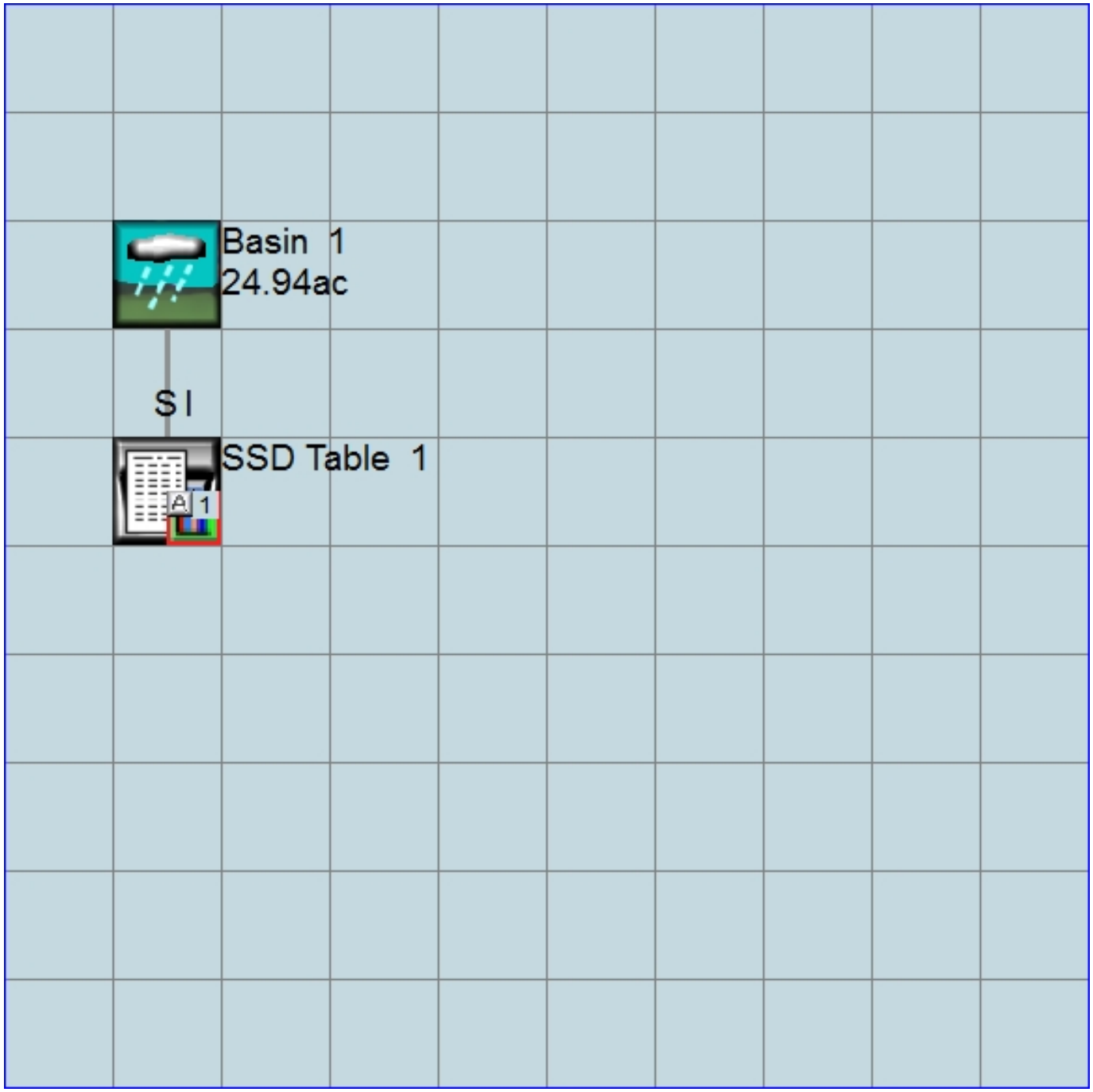
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                             ***
WDM         26   Combo4_SSD.wdm
MESSU       25   PreCombo4_SSD.MES
            27   PreCombo4_SSD.L61
            28   PreCombo4_SSD.L62
            30   POCCombo4_SSD1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      52
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                   MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                         User  t-series Engl Metr ***
                                      in  out           ***
   52     D,Grass,VSteep(>5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   52         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO
```

```
  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   52         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   52             0       4.2      0.02       350       0.1         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   52            40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   52             0      0.25      0.25       0.5       0.4         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   52       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   52      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   52             0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                     in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2
```

```
  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                  <--Area-->     <-Target->   MBLK   ***
<Name>   #                  <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  52                       29.64     COPY   501     12
PERLND  52                       29.64     COPY   501     13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                 ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                           in  out                           ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************* Active Sections *****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ******************* PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                      ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *        *  *  *  *  *        ***
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><-------->       ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                         ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES
```

```
SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.136          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.136          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo4_SSD.wdm
MESSU       25   MitCombo4_SSD.MES
            27   MitCombo4_SSD.L61
            28   MitCombo4_SSD.L62
            30   POCCombo4_SSD1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      60
      PERLND      52
      IMPLND       4
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        SSD Table  1                MAX                   1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                         User  t-series Engl Metr ***
                                          in  out           ***
   60     D,Urban,VSteep(>5%)     1    1    1    1   27    0
   52     D,Grass,VSteep(>5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   60         0    0    1    0    0    0    0    0    0    0    0    0
   52         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   60         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   60         0    0    0    1    0    0    0    0    1    0    0
   52         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   60              0      4.25      0.01       350       0.1         3      0.92
   52              0       4.2      0.02       350       0.1         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   60             40        35         2         2         0         0      0.05
   52             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                                  ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   60              0      0.25      0.25      0.35      0.35         0
   52              0      0.25      0.25       0.5       0.4         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   60       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   52       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   60      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   52      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
              ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   60              0         0      0.15         0         4      0.05         0
   52              0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                  in  out           ***
    4     Imperv,VSteep(>5%)      1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************* Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
    4         0    0    1    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
    4         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    4         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    4            100       0.1      0.05      0.09
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    4              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    4              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                <--Area-->     <-Target->   MBLK   ***
<Name>   #                <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  60                      14.22     RCHRES   1      2
PERLND  60                      14.22     RCHRES   1      3
PERLND  52                       2.15     RCHRES   1      2
PERLND  52                       2.15     RCHRES   1      3
IMPLND   4                       8.57     RCHRES   1      5

******Routing******
PERLND  60                      14.22     COPY     1     12
PERLND  52                       2.15     COPY     1     12
IMPLND   4                       8.57     COPY     1     15
PERLND  60                      14.22     COPY     1     13
PERLND  52                       2.15     COPY     1     13
RCHRES   1                          1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                       in  out                              ***
    1     SSD Table  10005        1    1    1    1   28    0    1
  END GEN-INFO
```

```
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                    ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *         ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0        2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1               1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                       ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0           4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
   99    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.010000  0.001000  0.001000  0.000000
  0.250000  0.005000  0.002600  0.027000
  0.500000  0.010000  0.003100  0.043000
  0.750000  0.015000  0.004900  0.055000
  1.000000  0.021000  0.008100  0.064000
  1.250000  0.028000  0.013100  0.072000
  1.500000  0.036000  0.019900  0.080000
  1.750000  0.044000  0.028700  0.086000
  2.000000  0.053000  0.039800  0.093000
  2.250000  0.063000  0.053200  0.098000
  2.500000  0.073000  0.069100  0.104000
  2.750000  0.084000  0.087700  0.109000
  3.000000  0.095000  0.109200  0.114000
  3.250000  0.108000  0.133800  0.119000
  3.500000  0.121000  0.161600  0.124000
  3.750000  0.134000  0.192800  0.128000
  4.000000  0.149000  0.227600  0.132000
  4.250000  0.164000  0.266100  0.137000
  4.500000  0.180000  0.308600  0.141000
  4.750000  0.196000  0.355100  0.144000
  5.000000  0.213000  0.405900  0.148000
  5.250000  0.231000  0.461200  0.152000
  5.500000  0.249000  0.521000  0.156000
  5.750000  0.268000  0.585700  0.888000
  6.000000  0.288000  0.655200  4.041000
  6.250000  0.309000  0.729900  10.16600
```

6.500000	0.330000	0.810000	17.11700
6.750000	0.352000	0.895400	21.45700
7.000000	0.374000	0.986600	28.61300
7.250000	0.398000	1.083500	40.22400
7.500000	0.421000	1.186400	54.37000
7.750000	0.446000	1.295500	70.53700
8.000000	0.471000	1.411000	88.45000
8.250000	0.497000	1.532900	107.9270
8.500000	0.524000	1.661500	128.8390
8.750000	0.551000	1.797000	151.0830
9.000000	0.579000	1.939400	174.5790
9.250000	0.608000	2.089100	199.2590
9.500000	0.637000	2.246200	225.0660
9.750000	0.667000	2.410800	251.9510
10.00000	0.698000	2.583100	279.8700
10.25000	0.729000	2.763300	308.7850
10.50000	0.761000	2.951500	338.6620
10.75000	0.794000	3.148000	369.4700
11.00000	0.827000	3.352900	401.1820
11.25000	0.862000	3.566400	433.7710
11.50000	0.896000	3.788600	467.2140
11.75000	0.932000	4.019800	501.4900
12.00000	0.968000	4.260000	536.5780
12.25000	1.005000	4.509500	572.4600
12.50000	1.042000	4.768400	609.1190
12.75000	1.081000	5.037000	646.5380
13.00000	1.119000	5.315300	684.7010
13.25000	1.159000	5.603600	723.5950
13.50000	1.199000	5.902100	763.2060
13.75000	1.240000	6.210800	803.5200
14.00000	1.282000	6.530000	844.5270
14.25000	1.324000	6.859900	886.2130
14.50000	1.367000	7.200500	928.5690
14.75000	1.411000	7.552200	971.5840
15.00000	1.455000	7.915000	1015.247
15.25000	1.500000	8.289200	1059.550
15.50000	1.546000	8.674900	1104.482
15.75000	1.592000	9.072200	1150.036
16.00000	1.639000	9.481400	1196.202
16.25000	1.687000	9.902700	1242.974
16.50000	1.735000	10.33610	1290.342
16.75000	1.784000	10.78190	1338.300
17.00000	1.834000	11.24030	1386.840
17.25000	1.884000	11.71140	1435.956
17.50000	1.936000	12.19530	1485.640
17.75000	1.987000	12.69240	1535.887
18.00000	2.040000	13.20260	1586.690
18.25000	2.093000	13.72630	1638.043
18.50000	2.147000	14.26350	1689.939
18.75000	2.201000	14.81450	1742.375
19.00000	2.257000	15.37950	1795.343
19.25000	2.313000	15.95850	1848.839
19.50000	2.369000	16.55180	1902.858
19.75000	2.426000	17.15950	1957.394
20.00000	2.484000	17.78190	2012.443
20.25000	2.543000	18.41900	2067.999
20.50000	2.602000	19.07120	2124.059
20.75000	2.662000	19.73840	2180.618
21.00000	2.723000	20.42090	2237.670
21.25000	2.784000	21.11900	2295.214
21.50000	2.846000	21.83260	2353.243
21.75000	2.909000	22.56210	2411.754
22.00000	2.972000	23.30760	2470.743
22.25000	3.036000	24.06930	2530.206
22.50000	3.101000	24.84730	2590.139
22.75000	3.167000	25.64180	2650.540
23.00000	3.233000	26.45300	2711.403
23.25000	3.299000	27.28100	2772.726
23.50000	3.367000	28.12610	2834.505
23.75000	3.435000	28.98840	2896.738

```
  24.00000  3.504000  29.86810  2959.419
  24.25000  3.573000  30.76530  3022.547
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.136          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.136          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  60     EXTNL  SURLI
WDM      2 PREC     ENGL    1.136          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: Combo5_11-5-13
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.05
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	78
Pervious Total	78

Impervious Land Use	Acres
Impervious Total	0
Basin Total	78

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	33.72
D,Grass,Mod (1-2%)	3.85
Pervious Total	37.57

Impervious Land Use	Acres
Imperv,Mod (1-2%)	29.25
Impervious Total	29.25
Basin Total	66.82

Element Flows To:

Surface	Interflow	Groundwater
Combo 5	Combo 5	

Basin 2

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	12.16
Pervious Total	12.16

Impervious Land Use	Acres
Impervious Total	0
Basin Total	12.16

Element Flows To:

Surface	Interflow	Groundwater
Combo 5	Combo 5	

Mitigated Routing

Combo 5

Depth: 9.6 ft.
Element Flows To:
Outlet 1 Outlet 2

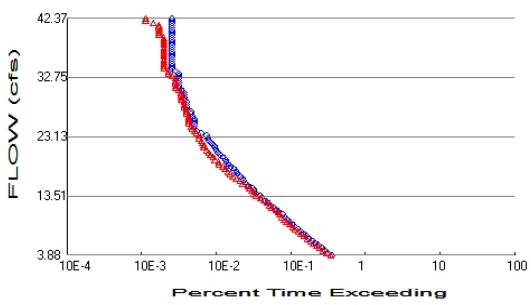
SSD Table Hydraulic Table

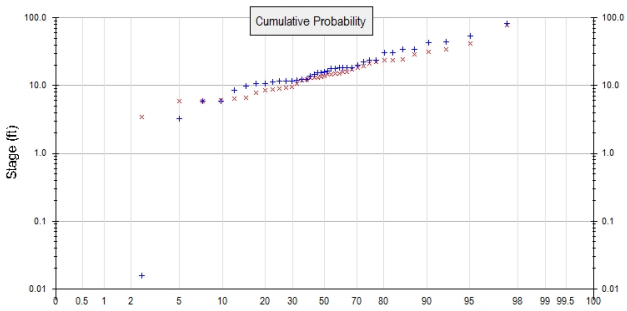
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	1.000	0.010	0.001	0.000	0.000	0.000	0.000
0.100	1.010	0.100	0.035	0.000	0.000	0.000	0.000
0.200	1.022	0.201	0.099	0.000	0.000	0.000	0.000
0.300	1.034	0.304	0.182	0.000	0.000	0.000	0.000
0.400	1.046	0.408	0.258	0.000	0.000	0.000	0.000
0.500	1.057	0.513	0.309	0.000	0.000	0.000	0.000
0.600	1.069	0.620	0.352	0.000	0.000	0.000	0.000
0.700	1.081	0.727	0.391	0.000	0.000	0.000	0.000
0.800	1.093	0.836	0.426	0.000	0.000	0.000	0.000
0.900	1.105	0.946	0.458	0.000	0.000	0.000	0.000
1.000	1.116	1.057	0.488	0.000	0.000	0.000	0.000
1.100	1.128	1.169	0.517	0.000	0.000	0.000	0.000
1.200	1.140	1.282	0.544	0.000	0.000	0.000	0.000
1.300	1.152	1.397	0.570	0.000	0.000	0.000	0.000
1.400	1.163	1.513	0.594	0.000	0.000	0.000	0.000
1.500	1.175	1.630	0.618	0.000	0.000	0.000	0.000
1.600	1.187	1.748	0.641	0.000	0.000	0.000	0.000
1.700	1.199	1.867	0.733	0.000	0.000	0.000	0.000
1.800	1.210	1.987	0.882	0.000	0.000	0.000	0.000
1.900	1.222	2.109	1.069	0.000	0.000	0.000	0.000
2.000	1.234	2.231	1.286	0.000	0.000	0.000	0.000
2.100	1.245	2.355	1.529	0.000	0.000	0.000	0.000
2.200	1.257	2.480	1.795	0.000	0.000	0.000	0.000
2.300	1.269	2.607	2.082	0.000	0.000	0.000	0.000
2.400	1.281	2.734	2.388	0.000	0.000	0.000	0.000
2.500	1.292	2.862	2.713	0.000	0.000	0.000	0.000
2.600	1.304	2.992	3.055	0.000	0.000	0.000	0.000
2.700	1.316	3.123	3.338	0.000	0.000	0.000	0.000
2.800	1.327	3.255	3.554	0.000	0.000	0.000	0.000
2.900	1.339	3.388	4.240	0.000	0.000	0.000	0.000
3.000	1.351	3.523	5.316	0.000	0.000	0.000	0.000
3.100	1.362	3.658	6.643	0.000	0.000	0.000	0.000
3.200	1.374	3.795	8.174	0.000	0.000	0.000	0.000
3.300	1.386	3.933	9.879	0.000	0.000	0.000	0.000
3.400	1.397	4.072	11.74	0.000	0.000	0.000	0.000
3.500	1.409	4.212	13.75	0.000	0.000	0.000	0.000
3.600	1.421	4.354	15.88	0.000	0.000	0.000	0.000
3.700	1.432	4.496	18.15	0.000	0.000	0.000	0.000
3.800	1.444	4.640	20.52	0.000	0.000	0.000	0.000
3.900	1.456	4.785	23.01	0.000	0.000	0.000	0.000
4.000	1.467	4.931	25.61	0.000	0.000	0.000	0.000
4.100	1.479	5.078	28.31	0.000	0.000	0.000	0.000
4.200	1.491	5.226	31.10	0.000	0.000	0.000	0.000
4.300	1.502	5.376	33.99	0.000	0.000	0.000	0.000

4.400	1.514	5.527	36.97	0.000	0.000	0.000	0.000
4.500	1.526	5.679	40.04	0.000	0.000	0.000	0.000
4.600	1.537	5.832	43.19	0.000	0.000	0.000	0.000
4.700	1.549	5.986	47.45	0.000	0.000	0.000	0.000
4.800	1.561	6.141	51.81	0.000	0.000	0.000	0.000
4.900	1.572	6.298	56.78	0.000	0.000	0.000	0.000
5.000	1.584	6.456	62.21	0.000	0.000	0.000	0.000
5.100	1.595	6.615	68.05	0.000	0.000	0.000	0.000
5.200	1.607	6.775	74.25	0.000	0.000	0.000	0.000
5.300	1.619	6.936	80.79	0.000	0.000	0.000	0.000
5.400	1.630	7.098	87.63	0.000	0.000	0.000	0.000
5.500	1.642	7.262	94.76	0.000	0.000	0.000	0.000
5.600	1.653	7.427	102.2	0.000	0.000	0.000	0.000
5.700	1.665	7.593	109.8	0.000	0.000	0.000	0.000
5.800	1.677	7.760	117.7	0.000	0.000	0.000	0.000
5.900	1.688	7.928	125.9	0.000	0.000	0.000	0.000
6.000	1.700	8.097	134.3	0.000	0.000	0.000	0.000
6.100	1.711	8.268	142.9	0.000	0.000	0.000	0.000
6.200	1.723	8.440	151.7	0.000	0.000	0.000	0.000
6.300	1.734	8.613	160.8	0.000	0.000	0.000	0.000
6.400	1.746	8.787	170.0	0.000	0.000	0.000	0.000
6.500	1.758	8.962	179.4	0.000	0.000	0.000	0.000
6.600	1.769	9.138	189.1	0.000	0.000	0.000	0.000
6.700	1.781	9.316	198.9	0.000	0.000	0.000	0.000
6.800	1.792	9.495	208.9	0.000	0.000	0.000	0.000
6.900	1.804	9.675	219.1	0.000	0.000	0.000	0.000
7.000	1.815	9.856	229.5	0.000	0.000	0.000	0.000
7.100	1.827	10.04	240.1	0.000	0.000	0.000	0.000
7.200	1.838	10.22	250.8	0.000	0.000	0.000	0.000
7.300	1.850	10.41	261.7	0.000	0.000	0.000	0.000
7.400	1.861	10.59	272.7	0.000	0.000	0.000	0.000
7.500	1.873	10.78	284.0	0.000	0.000	0.000	0.000
7.600	1.885	10.97	295.4	0.000	0.000	0.000	0.000
7.700	1.896	11.16	306.9	0.000	0.000	0.000	0.000
7.800	1.908	11.35	318.6	0.000	0.000	0.000	0.000
7.900	1.919	11.54	330.5	0.000	0.000	0.000	0.000
8.000	1.931	11.73	342.5	0.000	0.000	0.000	0.000
8.100	1.942	11.93	999.0	0.000	0.000	0.000	0.000
8.200	1.954	12.12	340.9	0.000	0.000	0.000	0.000
8.300	1.965	12.32	353.0	0.000	0.000	0.000	0.000
8.400	1.977	12.51	365.3	0.000	0.000	0.000	0.000
8.500	1.988	12.71	377.7	0.000	0.000	0.000	0.000
8.600	2.000	12.91	390.3	0.000	0.000	0.000	0.000
8.700	2.011	13.11	403.0	0.000	0.000	0.000	0.000
8.800	2.023	13.32	415.9	0.000	0.000	0.000	0.000
8.900	2.034	13.52	428.9	0.000	0.000	0.000	0.000
9.000	2.045	13.72	442.1	0.000	0.000	0.000	0.000
9.100	2.057	13.93	455.4	0.000	0.000	0.000	0.000
9.200	2.068	14.14	468.8	0.000	0.000	0.000	0.000
9.300	2.080	14.34	482.3	0.000	0.000	0.000	0.000
9.400	2.091	14.55	496.0	0.000	0.000	0.000	0.000
9.500	2.103	14.76	509.9	0.000	0.000	0.000	0.000
9.600	2.114	14.97	999.0	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 78
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 49.73
Total Impervious Area: 29.25

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	15.538815
5 year	29.120627
10 year	42.374502
25 year	60.834644

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	13.213741
5 year	23.214634
10 year	30.788049
25 year	49.549154

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	16.326	13.842
1966	5.893	5.856
1967	18.451	18.456
1968	10.791	8.749
1969	18.364	12.955
1970	14.748	15.053
1971	18.223	12.905
1972	5.837	6.509
1973	30.646	23.495
1974	23.699	13.485
1975	11.576	5.951
1976	0.015	3.403
1977	0.016	0.794
1978	44.152	28.790

1979	12.182	9.579
1980	13.985	12.079
1981	11.995	12.904
1982	23.490	21.222
1983	30.848	24.105
1984	15.662	14.779
1985	10.796	9.185
1986	54.457	41.528
1987	11.499	10.649
1988	11.656	15.867
1989	18.098	12.434
1990	11.392	6.006
1991	15.943	15.243
1992	22.611	23.994
1993	17.935	14.700
1994	3.229	8.491
1995	83.510	78.068
1996	33.797	22.219
1997	43.510	34.119
1998	34.198	31.066
1999	9.723	8.898
2000	20.051	19.338
2001	12.469	7.774
2002	8.642	6.658
2003	15.421	16.056
2004	17.766	17.560

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	83.5100	78.0681
2	54.4572	41.5282
3	44.1520	34.1189
4	43.5101	31.0655
5	34.1982	28.7904
6	33.7974	24.1053
7	30.8478	23.9940
8	30.6456	23.4946
9	23.6985	22.2192
10	23.4902	21.2220
11	22.6105	19.3375
12	20.0506	18.4563
13	18.4508	17.5597
14	18.3643	16.0560
15	18.2227	15.8667
16	18.0976	15.2431
17	17.9347	15.0527
18	17.7655	14.7786
19	16.3257	14.7001
20	15.9433	13.8422
21	15.6621	13.4850
22	15.4214	12.9554
23	14.7483	12.9053
24	13.9846	12.9042
25	12.4693	12.4335
26	12.1821	12.0794
27	11.9953	10.6489
28	11.6564	9.5787

29	11.5764	9.1851
30	11.4992	8.8985
31	11.3916	8.7491
32	10.7964	8.4910
33	10.7912	7.7740
34	9.7229	6.6580
35	8.6415	6.5088
36	5.8928	6.0061
37	5.8368	5.9514
38	3.2295	5.8558
39	0.0157	3.4034
40	0.0154	0.7940

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
3.8847	1241	1204	97	Pass
4.2735	1100	1068	97	Pass
4.6623	995	952	95	Pass
5.0511	908	855	94	Pass
5.4398	825	782	94	Pass
5.8286	756	704	93	Pass
6.2174	684	643	94	Pass
6.6062	613	580	94	Pass
6.9950	567	523	92	Pass
7.3838	520	485	93	Pass
7.7726	478	440	92	Pass
8.1613	440	399	90	Pass
8.5501	397	371	93	Pass
8.9389	368	337	91	Pass
9.3277	339	308	90	Pass
9.7165	311	287	92	Pass
10.1053	290	263	90	Pass
10.4941	271	250	92	Pass
10.8828	243	236	97	Pass
11.2716	226	221	97	Pass
11.6604	205	196	95	Pass
12.0492	187	184	98	Pass
12.4380	171	167	97	Pass
12.8268	155	155	100	Pass
13.2156	142	138	97	Pass
13.6043	137	121	88	Pass
13.9931	120	113	94	Pass
14.3819	114	106	92	Pass
14.7707	107	98	91	Pass
15.1595	96	93	96	Pass
15.5483	88	80	90	Pass
15.9371	82	73	89	Pass
16.3259	79	65	82	Pass
16.7146	74	59	79	Pass
17.1034	69	54	78	Pass
17.4922	65	50	76	Pass
17.8810	61	46	75	Pass
18.2698	55	43	78	Pass
18.6586	51	38	74	Pass
19.0474	48	38	79	Pass
19.4361	47	34	72	Pass
19.8249	43	32	74	Pass
20.2137	40	29	72	Pass
20.6025	37	28	75	Pass
20.9913	35	26	74	Pass
21.3801	34	24	70	Pass
21.7689	32	24	75	Pass
22.1576	30	23	76	Pass
22.5464	28	22	78	Pass
22.9352	27	21	77	Pass
23.3240	26	21	80	Pass
23.7128	22	19	86	Pass
24.1016	19	18	94	Pass

24.4904	18	17	94	Pass
24.8791	18	16	88	Pass
25.2679	18	15	83	Pass
25.6567	18	15	83	Pass
26.0455	18	15	83	Pass
26.4343	17	15	88	Pass
26.8231	16	14	87	Pass
27.2119	16	14	87	Pass
27.6006	14	14	100	Pass
27.9894	14	13	92	Pass
28.3782	14	13	92	Pass
28.7670	14	13	92	Pass
29.1558	13	12	92	Pass
29.5446	13	12	92	Pass
29.9334	13	12	92	Pass
30.3221	13	12	92	Pass
30.7109	12	11	91	Pass
31.0997	11	10	90	Pass
31.4885	11	10	90	Pass
31.8773	11	10	90	Pass
32.2661	11	10	90	Pass
32.6549	11	10	90	Pass
33.0436	11	9	81	Pass
33.4324	11	8	72	Pass
33.8212	10	8	80	Pass
34.2100	9	7	77	Pass
34.5988	9	7	77	Pass
34.9876	9	7	77	Pass
35.3764	9	7	77	Pass
35.7651	9	7	77	Pass
36.1539	9	7	77	Pass
36.5427	9	7	77	Pass
36.9315	9	7	77	Pass
37.3203	9	7	77	Pass
37.7091	9	7	77	Pass
38.0979	9	7	77	Pass
38.4866	9	7	77	Pass
38.8754	9	7	77	Pass
39.2642	9	7	77	Pass
39.6530	9	6	66	Pass
40.0418	9	6	66	Pass
40.4306	9	6	66	Pass
40.8194	9	6	66	Pass
41.2081	9	6	66	Pass
41.5969	9	5	55	Pass
41.9857	9	4	44	Pass
42.3745	9	4	44	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

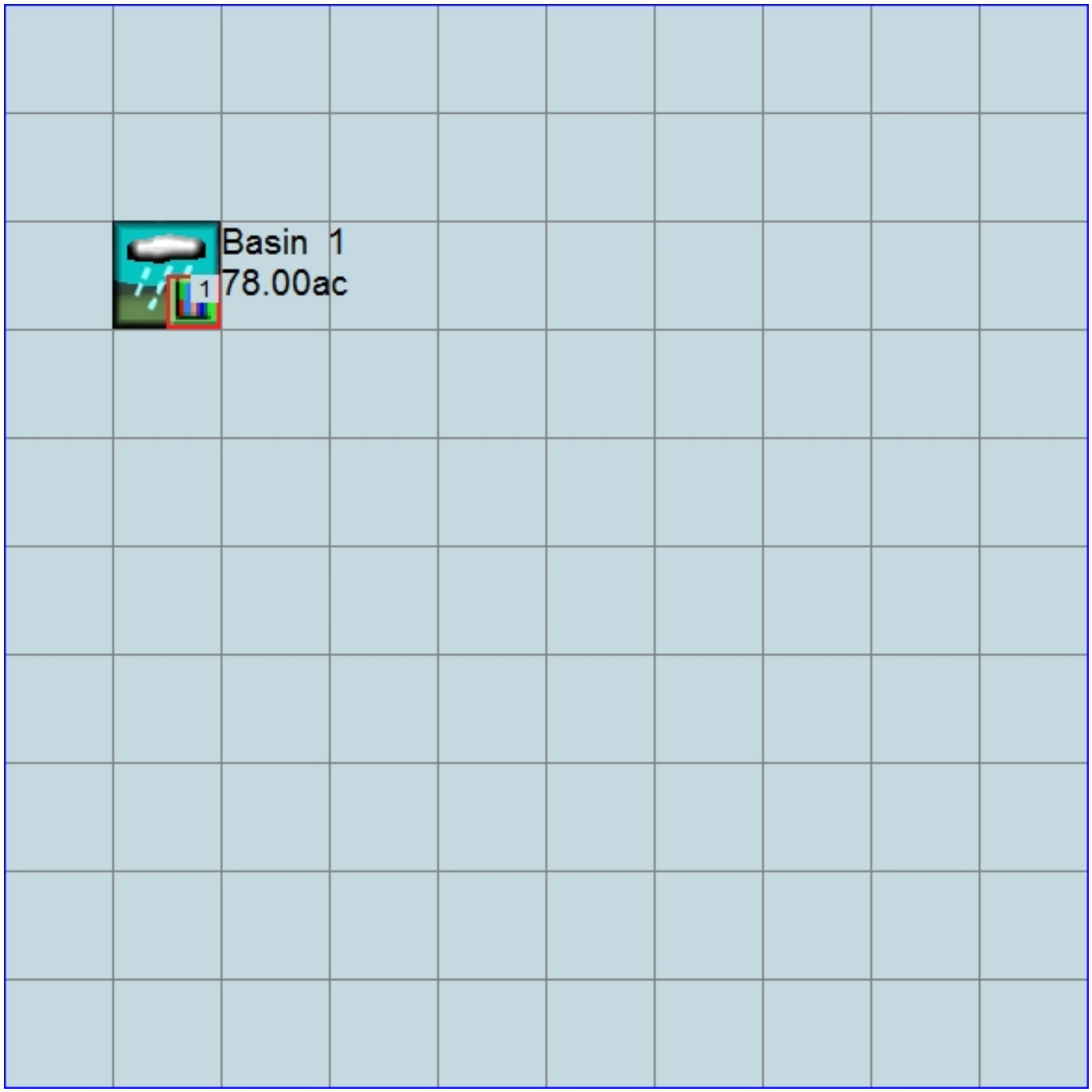
No PERLND changes have been made.

IMPLND Changes

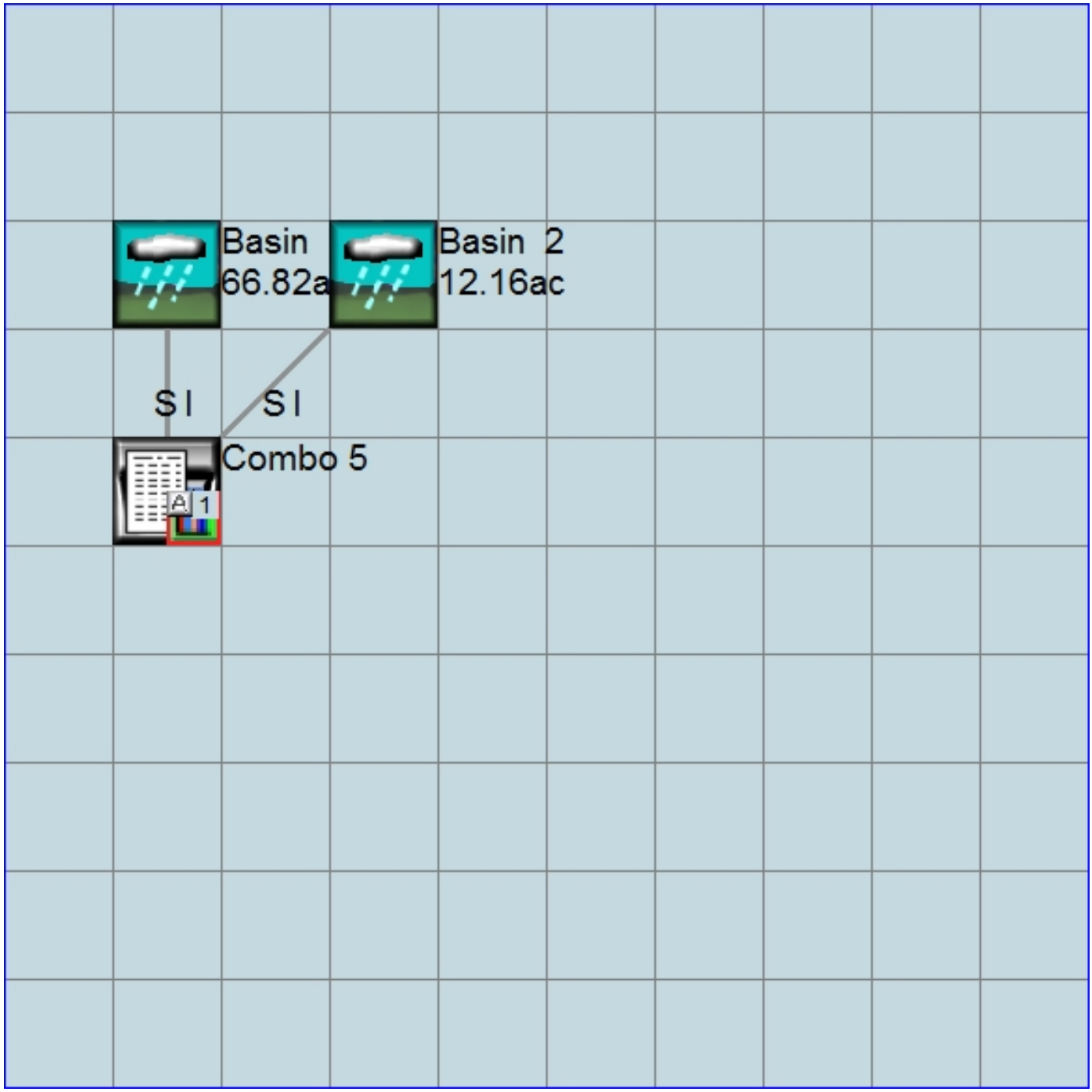
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo5_11-5-13.wdm
MESSU       25   PreCombo5_11-5-13.MES
            27   PreCombo5_11-5-13.L61
            28   PreCombo5_11-5-13.L62
            30   POCCombo5_11-5-131.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      50
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                   MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                       in  out           ***
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags **************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO
```

```
  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   50         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   50             0      4.35     0.028       400      0.02         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   50            40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   50             0      0.28      0.25      0.65      0.48         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS       IFWS       LZS       AGWS      GWVS
   50             0         0      0.15          0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                     in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2
```

```
  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                  <--Area-->     <-Target->   MBLK   ***
<Name>   #                  <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  50                          78     COPY   501     12
PERLND  50                          78     COPY   501     13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                 ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG            ***
                                           in  out                           ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************* Active Sections *****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ******************* PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                      ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *     *  *  *  *  *       *  *  *  *  *        ***
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><-------->       ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                         ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES
```

```
SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Combo5_11-5-13.wdm
MESSU       25   MitCombo5_11-5-13.MES
            27   MitCombo5_11-5-13.L61
            28   MitCombo5_11-5-13.L62
            30   POCCombo5_11-5-131.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      58
      PERLND      50
      IMPLND       2
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Combo 5                  MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out           ***
   58     D,Urban,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   58         0    0    1    0    0    0    0    0    0    0    0    0
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   58         0    0    0    1    0    0    0    0    1    0    0
   50         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2         ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   58              0       4.4     0.018       400      0.02         3      0.92
   50              0      4.35     0.028       400      0.02         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   58             40        35         2         2         0         0      0.05
   50             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                                  ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   58              0      0.28      0.25      0.48      0.38         0
   50              0      0.28      0.25      0.65      0.48         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   58       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3         ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   58      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS       GWVS
   58              0         0      0.15         0         4      0.05          0
   50              0         0      0.15         0         4      0.05          0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                  in  out           ***
    2     Imperv,Mod (1-2%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************* Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
    2         0    0    1    0    0    0
  END ACTIVITY
```

```
  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
    2         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    2         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    2          100      0.02      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    2              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    2              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                <--Area-->     <-Target->   MBLK   ***
<Name>   #                <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  58                      33.72     RCHRES   1      2
PERLND  58                      33.72     RCHRES   1      3
PERLND  50                       3.85     RCHRES   1      2
PERLND  50                       3.85     RCHRES   1      3
IMPLND   2                      29.25     RCHRES   1      5
Basin  2***
PERLND  50                      12.16     RCHRES   1      2
PERLND  50                      12.16     RCHRES   1      3

******Routing******
PERLND  58                      33.72     COPY     1     12
PERLND  50                       3.85     COPY     1     12
IMPLND   2                      29.25     COPY     1     15
PERLND  58                      33.72     COPY     1     13
PERLND  50                       3.85     COPY     1     13
PERLND  50                      12.16     COPY     1     12
PERLND  50                      12.16     COPY     1     13
RCHRES   1                          1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
```

```
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                       in  out                              ***
    1     Combo 5                1    1    1    1   28    0    1
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ******************* PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                    ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
           FG FG FG FG  possible  exit  *** possible  exit      possible  exit
            *  *  *  *    *  *  *  *  *       *  *  *  *  *        ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0        2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1               1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                       ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->    <---><---><---><---><---> *** <---><---><---><---><--->
    1         0           4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
   98    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.010000  1.000000  0.010000  0.001000
  0.100000  1.010000  0.100000  0.035000
  0.200000  1.022000  0.201000  0.099000
  0.300000  1.034000  0.304000  0.182000
  0.400000  1.046000  0.408000  0.258000
  0.500000  1.057000  0.513000  0.309000
  0.600000  1.069000  0.620000  0.352000
  0.700000  1.081000  0.727000  0.391000
  0.800000  1.093000  0.836000  0.426000
  0.900000  1.105000  0.946000  0.458000
  1.000000  1.116000  1.057000  0.488000
  1.100000  1.128000  1.169000  0.517000
  1.200000  1.140000  1.282000  0.544000
  1.300000  1.152000  1.397000  0.570000
  1.400000  1.163000  1.513000  0.594000
  1.500000  1.175000  1.630000  0.618000
  1.600000  1.187000  1.748000  0.641000
  1.700000  1.199000  1.867000  0.733000
  1.800000  1.210000  1.987000  0.882000
  1.900000  1.222000  2.109000  1.069000
  2.000000  1.234000  2.231000  1.286000
```

2.100000	1.245000	2.355000	1.529000
2.200000	1.257000	2.480000	1.795000
2.300000	1.269000	2.607000	2.082000
2.400000	1.281000	2.734000	2.388000
2.500000	1.292000	2.862000	2.713000
2.600000	1.304000	2.992000	3.055000
2.700000	1.316000	3.123000	3.338000
2.800000	1.327000	3.255000	3.554000
2.900000	1.339000	3.388000	4.240000
3.000000	1.351000	3.523000	5.316000
3.100000	1.362000	3.658000	6.643000
3.200000	1.374000	3.795000	8.174000
3.300000	1.386000	3.933000	9.879000
3.400000	1.397000	4.072000	11.74100
3.500000	1.409000	4.212000	13.74600
3.600000	1.421000	4.354000	15.88300
3.700000	1.432000	4.496000	18.14500
3.800000	1.444000	4.640000	20.52300
3.900000	1.456000	4.785000	23.01300
4.000000	1.467000	4.931000	25.60800
4.100000	1.479000	5.078000	28.30500
4.200000	1.491000	5.226000	31.10000
4.300000	1.502000	5.376000	33.99000
4.400000	1.514000	5.527000	36.97000
4.500000	1.526000	5.679000	40.03900
4.600000	1.537000	5.832000	43.19400
4.700000	1.549000	5.986000	47.44700
4.800000	1.561000	6.141000	51.81400
4.900000	1.572000	6.298000	56.77500
5.000000	1.584000	6.456000	62.20800
5.100000	1.595000	6.615000	68.04900
5.200000	1.607000	6.775000	74.25200
5.300000	1.619000	6.936000	80.78700
5.400000	1.630000	7.098000	87.63000
5.500000	1.642000	7.262000	94.76100
5.600000	1.653000	7.427000	102.1670
5.700000	1.665000	7.593000	109.8320
5.800000	1.677000	7.760000	117.7470
5.900000	1.688000	7.928000	125.9020
6.000000	1.700000	8.097000	134.2880
6.100000	1.711000	8.268000	142.8980
6.200000	1.723000	8.440000	151.7240
6.300000	1.734000	8.613000	160.7610
6.400000	1.746000	8.787000	170.0030
6.500000	1.758000	8.962000	179.4460
6.600000	1.769000	9.138000	189.0830
6.700000	1.781000	9.316000	198.9110
6.800000	1.792000	9.495000	208.9260
6.900000	1.804000	9.675000	219.1240
7.000000	1.815000	9.856000	229.5020
7.100000	1.827000	10.03800	240.0550
7.200000	1.838000	10.22200	250.7810
7.300000	1.850000	10.40600	261.6780
7.400000	1.861000	10.59200	272.7410
7.500000	1.873000	10.77900	283.9690
7.600000	1.885000	10.96700	295.3580
7.700000	1.896000	11.15600	306.9070
7.800000	1.908000	11.34700	318.6130
7.900000	1.919000	11.53800	330.4740
8.000000	1.931000	11.73100	342.4870
8.100000	1.942000	11.92500	999.0000
8.200000	1.954000	12.12000	340.8660
8.300000	1.965000	12.31600	353.0080
8.400000	1.977000	12.51400	365.2990
8.500000	1.988000	12.71300	377.7380
8.600000	2.000000	12.91200	390.3220
8.700000	2.011000	13.11300	403.0490
8.800000	2.023000	13.31500	415.9190
8.900000	2.034000	13.51900	428.9280
9.000000	2.045000	13.72300	442.0770

```
  9.100000  2.057000  13.92900  455.3630
  9.200000  2.068000  14.13600  468.7850
  9.300000  2.080000  14.34400  482.3410
  9.400000  2.091000  14.55300  496.0300
  9.500000  2.103000  14.76300  509.8510
  9.600000  2.114000  14.97400  999.0000
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  58     EXTNL  SURLI
WDM      2 PREC     ENGL    1.045          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>             <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: HMB 14_pre-prj
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.05
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Mod (1-2%)	7.74
D,Grass,Mod (1-2%)	48.87
Pervious Total	56.61

Impervious Land Use	Acres
Impervious Total	0
Basin Total	56.61

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Urban,Mod (1-2%)	3.22
B,Grass,Mod (1-2%)	4.23
D,Urban,Mod (1-2%)	25.09
D,Grass,Mod (1-2%)	17.17
Pervious Total	49.71

Impervious Land Use	Acres
Imperv,Mod (1-2%)	13.83
Impervious Total	13.83
Basin Total	63.54

Element Flows To:

Surface	Interflow	Groundwater
SSD Table 1	SSD Table 1	

Mitigated Routing

SSD Table 1

Depth: 9.6 ft.
Element Flows To:
Outlet 1 Outlet 2

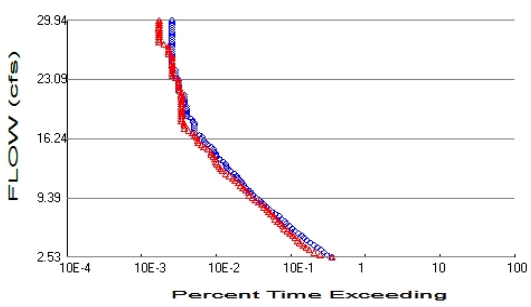
SSD Table Hydraulic Table

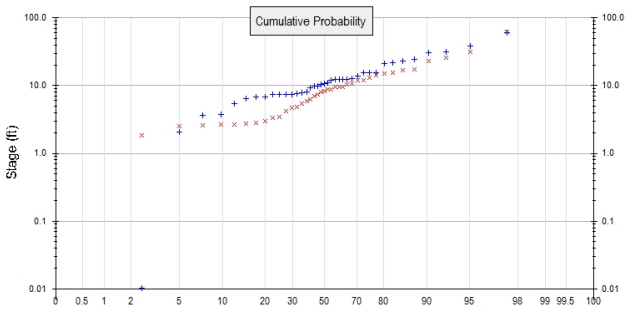
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.450	0.004	0.001	0.000	0.000	0.000	0.000
0.100	0.457	0.044	0.039	0.000	0.000	0.000	0.000
0.200	0.465	0.091	0.112	0.000	0.000	0.000	0.000
0.300	0.473	0.138	0.205	0.000	0.000	0.000	0.000
0.400	0.482	0.185	0.291	0.000	0.000	0.000	0.000
0.500	0.490	0.234	0.347	0.000	0.000	0.000	0.000
0.600	0.498	0.283	0.396	0.000	0.000	0.000	0.000
0.700	0.507	0.334	0.440	0.000	0.000	0.000	0.000
0.800	0.515	0.385	0.479	0.000	0.000	0.000	0.000
0.900	0.523	0.437	0.515	0.000	0.000	0.000	0.000
1.000	0.531	0.489	0.549	0.000	0.000	0.000	0.000
1.100	0.540	0.543	0.581	0.000	0.000	0.000	0.000
1.200	0.548	0.597	0.612	0.000	0.000	0.000	0.000
1.300	0.556	0.652	0.641	0.000	0.000	0.000	0.000
1.400	0.564	0.708	0.668	0.000	0.000	0.000	0.000
1.500	0.573	0.765	0.695	0.000	0.000	0.000	0.000
1.600	0.581	0.823	0.721	0.000	0.000	0.000	0.000
1.700	0.589	0.881	0.745	0.000	0.000	0.000	0.000
1.800	0.597	0.940	0.769	0.000	0.000	0.000	0.000
1.900	0.605	1.001	0.792	0.000	0.000	0.000	0.000
2.000	0.614	1.061	0.834	0.000	0.000	0.000	0.000
2.100	0.622	1.123	0.934	0.000	0.000	0.000	0.000
2.200	0.630	1.186	1.066	0.000	0.000	0.000	0.000
2.300	0.638	1.249	1.224	0.000	0.000	0.000	0.000
2.400	0.647	1.313	1.402	0.000	0.000	0.000	0.000
2.500	0.655	1.378	1.579	0.000	0.000	0.000	0.000
2.600	0.663	1.444	1.700	0.000	0.000	0.000	0.000
2.700	0.671	1.511	1.809	0.000	0.000	0.000	0.000
2.800	0.679	1.578	1.909	0.000	0.000	0.000	0.000
2.900	0.688	1.646	2.002	0.000	0.000	0.000	0.000
3.000	0.696	1.715	2.090	0.000	0.000	0.000	0.000
3.100	0.704	1.785	2.173	0.000	0.000	0.000	0.000
3.200	0.712	1.856	2.252	0.000	0.000	0.000	0.000
3.300	0.720	1.927	2.328	0.000	0.000	0.000	0.000
3.400	0.728	2.000	2.401	0.000	0.000	0.000	0.000
3.500	0.737	2.073	2.471	0.000	0.000	0.000	0.000
3.600	0.745	2.147	2.540	0.000	0.000	0.000	0.000
3.700	0.753	2.222	2.606	0.000	0.000	0.000	0.000
3.800	0.761	2.297	2.670	0.000	0.000	0.000	0.000
3.900	0.769	2.374	2.732	0.000	0.000	0.000	0.000
4.000	0.777	2.451	2.793	0.000	0.000	0.000	0.000
4.100	0.786	2.529	3.064	0.000	0.000	0.000	0.000
4.200	0.794	2.608	3.507	0.000	0.000	0.000	0.000
4.300	0.802	2.687	4.062	0.000	0.000	0.000	0.000

4.400	0.810	2.768	4.709	0.000	0.000	0.000	0.000
4.500	0.818	2.849	5.433	0.000	0.000	0.000	0.000
4.600	0.826	2.931	6.227	0.000	0.000	0.000	0.000
4.700	0.834	3.014	7.085	0.000	0.000	0.000	0.000
4.800	0.843	3.098	8.002	0.000	0.000	0.000	0.000
4.900	0.851	3.183	8.974	0.000	0.000	0.000	0.000
5.000	0.859	3.268	9.997	0.000	0.000	0.000	0.000
5.100	0.867	3.354	11.07	0.000	0.000	0.000	0.000
5.200	0.875	3.442	12.19	0.000	0.000	0.000	0.000
5.300	0.883	3.529	13.36	0.000	0.000	0.000	0.000
5.400	0.891	3.618	14.56	0.000	0.000	0.000	0.000
5.500	0.899	3.708	15.81	0.000	0.000	0.000	0.000
5.600	0.907	3.798	17.10	0.000	0.000	0.000	0.000
5.700	0.915	3.889	18.43	0.000	0.000	0.000	0.000
5.800	0.924	3.981	19.80	0.000	0.000	0.000	0.000
5.900	0.932	4.074	21.20	0.000	0.000	0.000	0.000
6.000	0.940	4.167	22.64	0.000	0.000	0.000	0.000
6.100	0.948	4.262	24.11	0.000	0.000	0.000	0.000
6.200	0.956	4.357	25.62	0.000	0.000	0.000	0.000
6.300	0.964	4.453	27.16	0.000	0.000	0.000	0.000
6.400	0.972	4.550	28.73	0.000	0.000	0.000	0.000
6.500	0.980	4.648	31.21	0.000	0.000	0.000	0.000
6.600	0.988	4.746	33.78	0.000	0.000	0.000	0.000
6.700	0.996	4.846	36.78	0.000	0.000	0.000	0.000
6.800	1.004	4.946	40.11	0.000	0.000	0.000	0.000
6.900	1.012	5.047	43.72	0.000	0.000	0.000	0.000
7.000	1.020	5.148	47.60	0.000	0.000	0.000	0.000
7.100	1.028	5.251	51.71	0.000	0.000	0.000	0.000
7.200	1.036	5.354	56.04	0.000	0.000	0.000	0.000
7.300	1.044	5.459	60.56	0.000	0.000	0.000	0.000
7.400	1.052	5.564	65.28	0.000	0.000	0.000	0.000
7.500	1.060	5.670	70.19	0.000	0.000	0.000	0.000
7.600	1.069	5.776	75.26	0.000	0.000	0.000	0.000
7.700	1.077	5.884	80.51	0.000	0.000	0.000	0.000
7.800	1.085	5.992	85.91	0.000	0.000	0.000	0.000
7.900	1.093	6.101	91.47	0.000	0.000	0.000	0.000
8.000	1.101	6.211	97.17	0.000	0.000	0.000	0.000
8.100	1.109	6.322	103.0	0.000	0.000	0.000	0.000
8.200	1.117	6.434	109.0	0.000	0.000	0.000	0.000
8.300	1.125	6.546	115.2	0.000	0.000	0.000	0.000
8.400	1.133	6.659	121.4	0.000	0.000	0.000	0.000
8.500	1.141	6.773	127.8	0.000	0.000	0.000	0.000
8.600	1.149	6.888	134.3	0.000	0.000	0.000	0.000
8.700	1.157	7.004	141.0	0.000	0.000	0.000	0.000
8.800	1.165	7.120	147.8	0.000	0.000	0.000	0.000
8.900	1.172	7.238	154.7	0.000	0.000	0.000	0.000
9.000	1.180	7.356	161.7	0.000	0.000	0.000	0.000
9.100	1.188	7.475	168.8	0.000	0.000	0.000	0.000
9.200	1.196	7.594	176.0	0.000	0.000	0.000	0.000
9.300	1.204	7.715	183.4	0.000	0.000	0.000	0.000
9.400	1.212	7.836	190.9	0.000	0.000	0.000	0.000
9.500	1.220	7.959	198.4	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 56.61
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 49.71
Total Impervious Area: 13.83

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	10.12969
5 year	20.146973
10 year	29.9434
25 year	43.3947

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	7.758956
5 year	14.706849
10 year	22.532746
25 year	37.977534

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	11.034	9.669
1966	3.710	2.545
1967	12.377	13.043
1968	6.861	3.419
1969	12.512	8.173
1970	9.716	9.534
1971	12.349	8.758
1972	3.678	2.841
1973	21.415	12.095
1974	15.640	7.396
1975	7.447	2.706
1976	0.010	1.863
1977	0.010	0.624
1978	31.007	17.004

1979	8.096	4.826
1980	9.394	5.947
1981	7.574	6.992
1982	15.553	14.847
1983	21.558	17.393
1984	10.523	10.304
1985	6.784	5.465
1986	38.756	31.189
1987	7.308	4.209
1988	7.461	9.649
1989	12.369	4.678
1990	7.335	2.667
1991	10.667	8.817
1992	15.282	15.624
1993	12.259	8.140
1994	2.059	2.644
1995	59.888	62.115
1996	23.055	10.806
1997	30.732	25.869
1998	24.263	23.247
1999	6.366	3.389
2000	13.885	14.210
2001	7.923	2.993
2002	5.446	2.590
2003	9.755	6.159
2004	11.934	11.838

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	59.8875	62.1149
2	38.7561	31.1889
3	31.0066	25.8692
4	30.7324	23.2466
5	24.2626	17.3930
6	23.0547	17.0043
7	21.5580	15.6238
8	21.4147	14.8467
9	15.6395	14.2096
10	15.5530	13.0428
11	15.2818	12.0953
12	13.8851	11.8382
13	12.5117	10.8055
14	12.3774	10.3037
15	12.3685	9.6690
16	12.3489	9.6491
17	12.2585	9.5343
18	11.9339	8.8167
19	11.0342	8.7581
20	10.6668	8.1730
21	10.5226	8.1399
22	9.7555	7.3962
23	9.7155	6.9925
24	9.3944	6.1590
25	8.0962	5.9467
26	7.9226	5.4651
27	7.5738	4.8257
28	7.4612	4.6782

29	7.4466	4.2090
30	7.3354	3.4186
31	7.3079	3.3892
32	6.8606	2.9930
33	6.7840	2.8414
34	6.3656	2.7057
35	5.4459	2.6665
36	3.7102	2.6438
37	3.6780	2.5904
38	2.0588	2.5453
39	0.0103	1.8632
40	0.0101	0.6236

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
2.5324	1229	1259	102	Pass
2.8093	1075	868	80	Pass
3.0862	976	724	74	Pass
3.3631	877	626	71	Pass
3.6399	795	564	70	Pass
3.9168	723	512	70	Pass
4.1937	635	469	73	Pass
4.4706	578	435	75	Pass
4.7475	527	397	75	Pass
5.0243	487	370	75	Pass
5.3012	440	340	77	Pass
5.5781	397	320	80	Pass
5.8550	368	288	78	Pass
6.1318	339	271	79	Pass
6.4087	306	254	83	Pass
6.6856	290	233	80	Pass
6.9625	264	217	82	Pass
7.2394	248	206	83	Pass
7.5162	218	188	86	Pass
7.7931	198	177	89	Pass
8.0700	181	167	92	Pass
8.3469	165	154	93	Pass
8.6238	153	143	93	Pass
8.9006	140	129	92	Pass
9.1775	133	117	87	Pass
9.4544	119	107	89	Pass
9.7313	109	98	89	Pass
10.0081	102	94	92	Pass
10.2850	95	87	91	Pass
10.5619	87	79	90	Pass
10.8388	83	75	90	Pass
11.1157	78	69	88	Pass
11.3925	74	62	83	Pass
11.6694	69	58	84	Pass
11.9463	66	53	80	Pass
12.2232	62	47	75	Pass
12.5001	54	42	77	Pass
12.7769	50	40	80	Pass
13.0538	48	38	79	Pass
13.3307	47	36	76	Pass
13.6076	44	35	79	Pass
13.8844	39	34	87	Pass
14.1613	36	32	88	Pass
14.4382	35	30	85	Pass
14.7151	33	30	90	Pass
14.9920	32	27	84	Pass
15.2688	30	24	80	Pass
15.5457	27	22	81	Pass
15.8226	25	20	80	Pass
16.0995	24	20	83	Pass
16.3764	23	19	82	Pass
16.6532	21	18	85	Pass
16.9301	18	17	94	Pass

17.2070	18	15	83	Pass
17.4839	18	13	72	Pass
17.7607	18	13	72	Pass
18.0376	18	13	72	Pass
18.3145	17	12	70	Pass
18.5914	16	12	75	Pass
18.8683	14	12	85	Pass
19.1451	14	12	85	Pass
19.4220	14	12	85	Pass
19.6989	14	12	85	Pass
19.9758	14	12	85	Pass
20.2527	13	12	92	Pass
20.5295	13	12	92	Pass
20.8064	13	12	92	Pass
21.0833	13	12	92	Pass
21.3602	13	12	92	Pass
21.6370	11	12	109	Pass
21.9139	11	11	100	Pass
22.1908	11	11	100	Pass
22.4677	11	11	100	Pass
22.7446	11	11	100	Pass
23.0214	11	11	100	Pass
23.2983	10	10	100	Pass
23.5752	10	9	90	Pass
23.8521	10	9	90	Pass
24.1290	10	9	90	Pass
24.4058	9	9	100	Pass
24.6827	9	9	100	Pass
24.9596	9	9	100	Pass
25.2365	9	9	100	Pass
25.5133	9	9	100	Pass
25.7902	9	9	100	Pass
26.0671	9	8	88	Pass
26.3440	9	8	88	Pass
26.6209	9	8	88	Pass
26.8977	9	8	88	Pass
27.1746	9	7	77	Pass
27.4515	9	6	66	Pass
27.7284	9	6	66	Pass
28.0053	9	6	66	Pass
28.2821	9	6	66	Pass
28.5590	9	6	66	Pass
28.8359	9	6	66	Pass
29.1128	9	6	66	Pass
29.3896	9	6	66	Pass
29.6665	9	6	66	Pass
29.9434	9	6	66	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

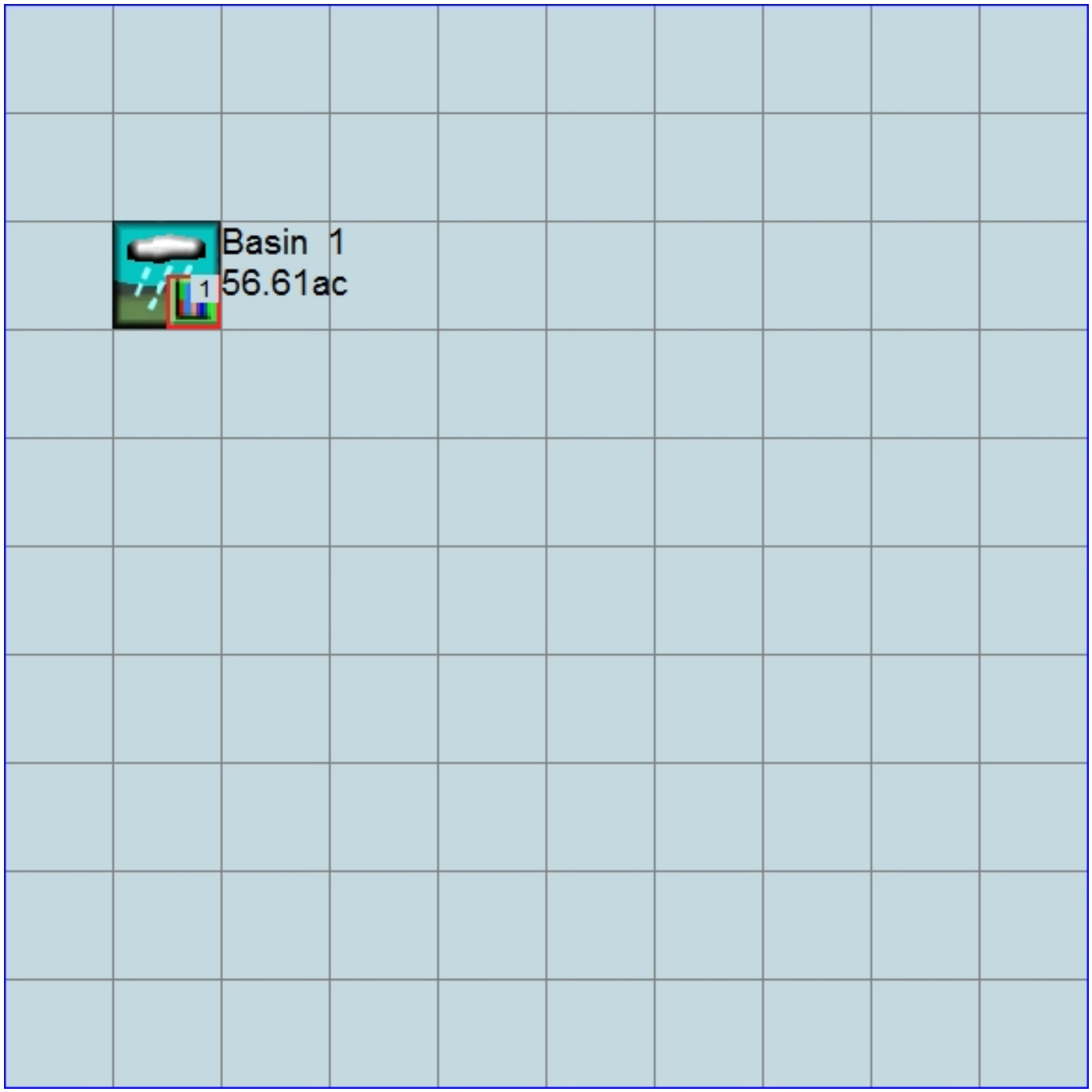
No PERLND changes have been made.

IMPLND Changes

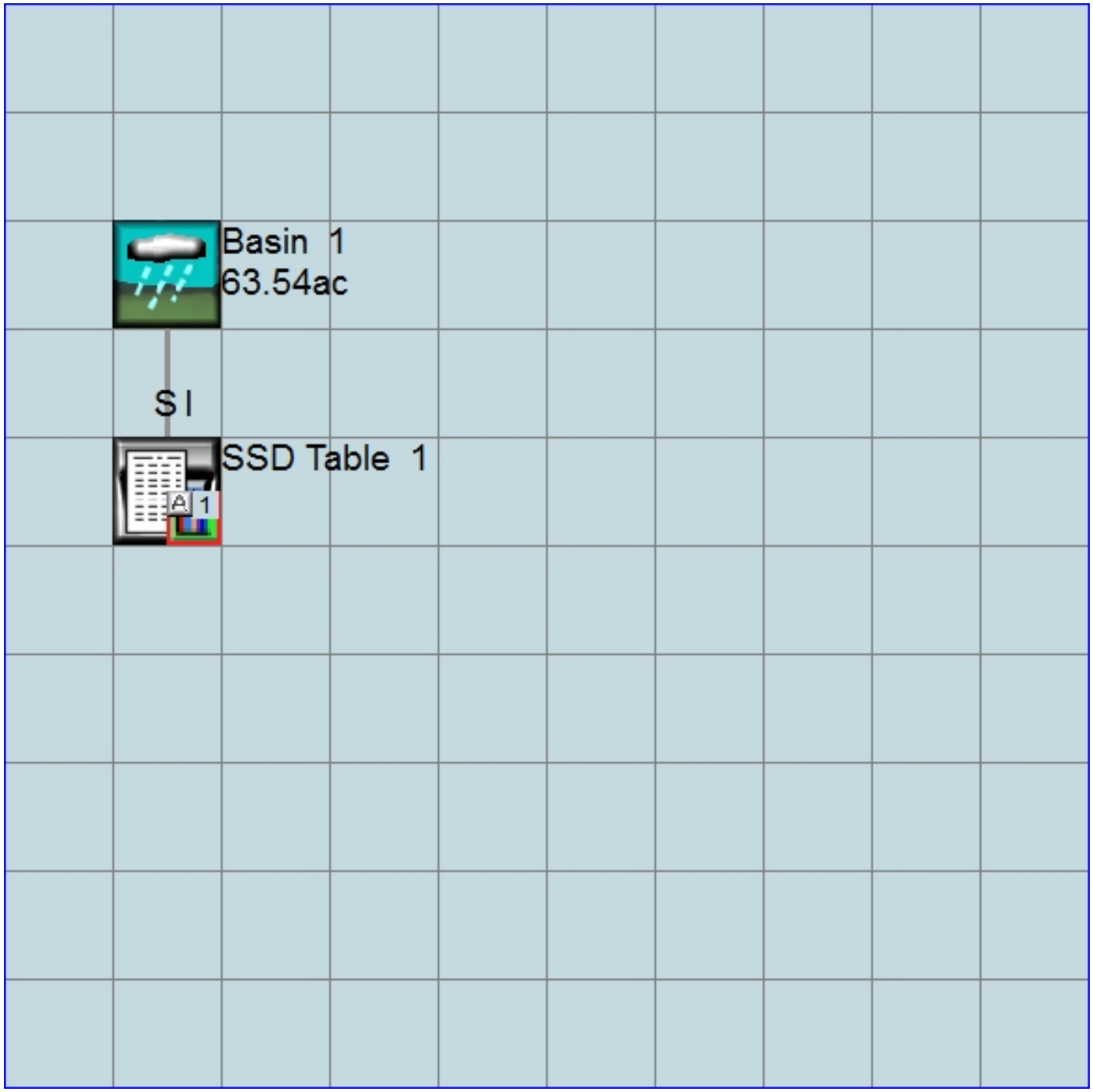
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   HMB 14_pre-prj.wdm
MESSU       25   PreHMB 14_pre-prj.MES
            27   PreHMB 14_pre-prj.L61
            28   PreHMB 14_pre-prj.L62
            30   POCHMB 14_pre-prj1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      18
      PERLND      50
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                  MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                       in  out           ***
   18     B,Grass,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   18         0    0    1    0    0    0    0    0    0    0    0    0
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
```

```
 18         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 18         0    0    0    1    0    0    0    0    1    0    0
 50         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2         ***
  # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
 18              0      4.65      0.06       400      0.02         3      0.92
 50              0      4.35     0.028       400      0.02         3      0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3         ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 18             40        35         2         2         0         0      0.05
 50             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                              ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 18              0      0.33      0.25      1.45      0.48         0
 50              0      0.28      0.25      0.65      0.48         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3         ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 18       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3         ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 18      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
END MON-INTERCEP

PWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
             ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
  # -  # ***  CEPS      SURS       UZS       IFWS       LZS       AGWS       GWVS
 18              0         0      0.15         0         4      0.05          0
 50              0         0      0.15         0         4      0.05          0
END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                    in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO
```

```
  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK    ***
<Name>   #                 <-factor->     <Name>   #   Tbl#    ***
Basin  1***
PERLND  18                      7.74      COPY   501      12
PERLND  18                      7.74      COPY   501      13
PERLND  50                     48.87      COPY   501      12
PERLND  50                     48.87      COPY   501      13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<----------------><---> User T-series  Engl Metr LKFG             ***
                                      in  out                               ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                 ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *        ***
  END HYDR-PARM1
```

```
  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                           ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
         *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   HMB 14_pre-prj.wdm
MESSU       25   MitHMB 14_pre-prj.MES
            27   MitHMB 14_pre-prj.L61
            28   MitHMB 14_pre-prj.L62
            30   POCHMB 14_pre-prj1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      26
      PERLND      18
      PERLND      58
      PERLND      50
      IMPLND       2
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        SSD Table  1              MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out            ***
   26     B,Urban,Mod (1-2%)      1    1    1    1   27    0
   18     B,Grass,Mod (1-2%)      1    1    1    1   27    0
   58     D,Urban,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
```

```
 26         0    0    1    0    0    0    0    0    0    0    0    0
 18         0    0    1    0    0    0    0    0    0    0    0    0
 58         0    0    1    0    0    0    0    0    0    0    0    0
 50         0    0    1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ***************** Print-flags **************************** PIVL  PYR
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
 26         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 18         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 26         0    0    0    1    0    0    0    0    1    0    0
 18         0    0    0    1    0    0    0    0    1    0    0
 58         0    0    0    1    0    0    0    0    1    0    0
 50         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2          ***
  # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR      KVARY      AGWRC
 26              0      4.55     0.045       400      0.02          3       0.92
 18              0      4.65      0.06       400      0.02          3       0.92
 58              0       4.4     0.018       400      0.02          3       0.92
 50              0      4.35     0.028       400      0.02          3       0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3          ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 26             40        35         2         2         0         0      0.05
 18             40        35         2         2         0         0      0.05
 58             40        35         2         2         0         0      0.05
 50             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                                  ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 26              0      0.33      0.25       0.9      0.38         0
 18              0      0.33      0.25      1.45      0.48         0
 58              0      0.28      0.25      0.48      0.38         0
 50              0      0.28      0.25      0.65      0.48         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 26       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 18       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 58       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 26      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 18      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 58      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
END MON-INTERCEP

PWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
             ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
  # -  # ***  CEPS      SURS       UZS      IFWS       LZS       AGWS      GWVS
```

```
   26             0         0      0.15         0         4      0.05         0
   18             0         0      0.15         0         4      0.05         0
   58             0         0      0.15         0         4      0.05         0
   50             0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                      in  out           ***
    2     Imperv,Mod (1-2%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************* Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    ***
    2         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL     *********
    2         0    0    4    0    0    0     1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI      ***
    2         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR      SLSUR      NSUR     RETSC
    2           100       0.02      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    2              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    2              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK   ***
<Name>   #                 <-factor->     <Name>   #   Tbl#   ***
Basin  1***
PERLND  26                      3.22     RCHRES   1      2
PERLND  26                      3.22     RCHRES   1      3
PERLND  18                      4.23     RCHRES   1      2
PERLND  18                      4.23     RCHRES   1      3
PERLND  58                     25.09     RCHRES   1      2
PERLND  58                     25.09     RCHRES   1      3
PERLND  50                     17.17     RCHRES   1      2
PERLND  50                     17.17     RCHRES   1      3
IMPLND   2                     13.83     RCHRES   1      5

******Routing******
```

```
PERLND  26                        3.22     COPY     1     12
PERLND  18                        4.23     COPY     1     12
PERLND  58                       25.09     COPY     1     12
PERLND  50                       17.17     COPY     1     12
IMPLND   2                       13.83     COPY     1     15
PERLND  26                        3.22     COPY     1     13
PERLND  18                        4.23     COPY     1     13
PERLND  58                       25.09     COPY     1     13
PERLND  50                       17.17     COPY     1     13
RCHRES   1                           1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                       in  out                              ***
    1     SSD Table  1            1     1    1    1   28    0    1
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                   ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *         ***
    1        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN     DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1             1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                      ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
          *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
```

98 4

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.000000	0.000000	0.000000		
0.010000	0.450000	0.004000	0.001000		
0.100000	0.457000	0.044000	0.039000		
0.200000	0.465000	0.091000	0.112000		
0.300000	0.473000	0.138000	0.205000		
0.400000	0.482000	0.185000	0.291000		
0.500000	0.490000	0.234000	0.347000		
0.600000	0.498000	0.283000	0.396000		
0.700000	0.507000	0.334000	0.440000		
0.800000	0.515000	0.385000	0.479000		
0.900000	0.523000	0.437000	0.515000		
1.000000	0.531000	0.489000	0.549000		
1.100000	0.540000	0.543000	0.581000		
1.200000	0.548000	0.597000	0.612000		
1.300000	0.556000	0.652000	0.641000		
1.400000	0.564000	0.708000	0.668000		
1.500000	0.573000	0.765000	0.695000		
1.600000	0.581000	0.823000	0.721000		
1.700000	0.589000	0.881000	0.745000		
1.800000	0.597000	0.940000	0.769000		
1.900000	0.605000	1.001000	0.792000		
2.000000	0.614000	1.061000	0.834000		
2.100000	0.622000	1.123000	0.934000		
2.200000	0.630000	1.186000	1.066000		
2.300000	0.638000	1.249000	1.224000		
2.400000	0.647000	1.313000	1.402000		
2.500000	0.655000	1.378000	1.579000		
2.600000	0.663000	1.444000	1.700000		
2.700000	0.671000	1.511000	1.809000		
2.800000	0.679000	1.578000	1.909000		
2.900000	0.688000	1.646000	2.002000		
3.000000	0.696000	1.715000	2.090000		
3.100000	0.704000	1.785000	2.173000		
3.200000	0.712000	1.856000	2.252000		
3.300000	0.720000	1.927000	2.328000		
3.400000	0.728000	2.000000	2.401000		
3.500000	0.737000	2.073000	2.471000		
3.600000	0.745000	2.147000	2.540000		
3.700000	0.753000	2.222000	2.606000		
3.800000	0.761000	2.297000	2.670000		
3.900000	0.769000	2.374000	2.732000		
4.000000	0.777000	2.451000	2.793000		
4.100000	0.786000	2.529000	3.064000		
4.200000	0.794000	2.608000	3.507000		
4.300000	0.802000	2.687000	4.062000		
4.400000	0.810000	2.768000	4.709000		
4.500000	0.818000	2.849000	5.433000		
4.600000	0.826000	2.931000	6.227000		
4.700000	0.834000	3.014000	7.085000		
4.800000	0.843000	3.098000	8.002000		
4.900000	0.851000	3.183000	8.974000		
5.000000	0.859000	3.268000	9.997000		
5.100000	0.867000	3.354000	11.07000		
5.200000	0.875000	3.442000	12.19000		
5.300000	0.883000	3.529000	13.35500		
5.400000	0.891000	3.618000	14.56300		
5.500000	0.899000	3.708000	15.81200		
5.600000	0.907000	3.798000	17.10100		
5.700000	0.915000	3.889000	18.43000		
5.800000	0.924000	3.981000	19.79600		
5.900000	0.932000	4.074000	21.19900		
6.000000	0.940000	4.167000	22.63800		
6.100000	0.948000	4.262000	24.11100		
6.200000	0.956000	4.357000	25.61800		
6.300000	0.964000	4.453000	27.15900		
6.400000	0.972000	4.550000	28.73200		
6.500000	0.980000	4.648000	31.20500		

```
  6.600000  0.988000  4.746000  33.78100
  6.700000  0.996000  4.846000  36.77600
  6.800000  1.004000  4.946000  40.10600
  6.900000  1.012000  5.047000  43.72400
  7.000000  1.020000  5.148000  47.60000
  7.100000  1.028000  5.251000  51.70900
  7.200000  1.036000  5.354000  56.03500
  7.300000  1.044000  5.459000  60.56400
  7.400000  1.052000  5.564000  65.28400
  7.500000  1.060000  5.670000  70.18600
  7.600000  1.069000  5.776000  75.26200
  7.700000  1.077000  5.884000  80.50500
  7.800000  1.085000  5.992000  85.90700
  7.900000  1.093000  6.101000  91.46500
  8.000000  1.101000  6.211000  97.17300
  8.100000  1.109000  6.322000  103.0260
  8.200000  1.117000  6.434000  109.0200
  8.300000  1.125000  6.546000  115.1520
  8.400000  1.133000  6.659000  121.4170
  8.500000  1.141000  6.773000  127.8140
  8.600000  1.149000  6.888000  134.3390
  8.700000  1.157000  7.004000  140.9890
  8.800000  1.165000  7.120000  147.7620
  8.900000  1.172000  7.238000  154.6550
  9.000000  1.180000  7.356000  161.6660
  9.100000  1.188000  7.475000  168.7930
  9.200000  1.196000  7.594000  176.0340
  9.300000  1.204000  7.715000  183.3870
  9.400000  1.212000  7.836000  190.8500
  9.500000  1.220000  7.959000  198.4210
  9.600000  1.228000  8.082000  999.0000
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  26     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7       SAME PERLND  58     EXTNL  SURLI
WDM      2 PREC     ENGL    1.045          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
```

```
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: HMB 15_pre_10-31-13 update
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.05
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Mod (1-2%)	3.6
D,Grass,Mod (1-2%)	26.54
Pervious Total	30.14

Impervious Land Use	Acres
Impervious Total	0
Basin Total	30.14

Element Flows To:

Surface	Interflow	Groundwater

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Mod (1-2%)	3.4
D,Urban,Mod (1-2%)	22.67
D,Grass,Mod (1-2%)	3.44
Pervious Total	29.51

Impervious Land Use	Acres
Imperv,Mod (1-2%)	17.93
Impervious Total	17.93
Basin Total	47.44

Element Flows To:

Surface	Interflow	Groundwater
HMB 15	HMB 15	

Mitigated Routing

HMB 15

Depth: 10.1 ft.
Element Flows To:
Outlet 1 Outlet 2

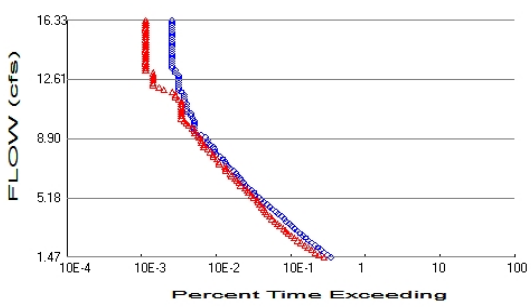
SSD Table Hydraulic Table

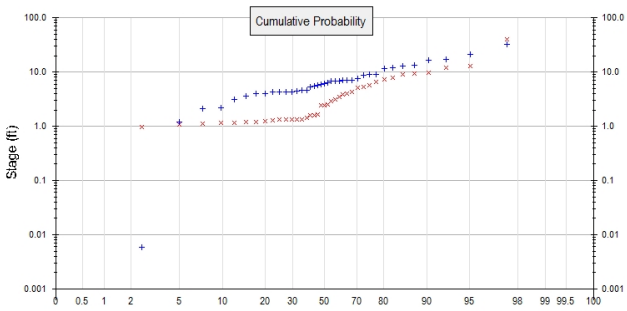
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.500	0.005	0.001	0.000	0.000	0.000	0.000
0.100	0.510	0.050	0.031	0.000	0.000	0.000	0.000
0.200	0.520	0.102	0.087	0.000	0.000	0.000	0.000
0.300	0.530	0.155	0.147	0.000	0.000	0.000	0.000
0.400	0.540	0.208	0.184	0.000	0.000	0.000	0.000
0.500	0.550	0.263	0.215	0.000	0.000	0.000	0.000
0.600	0.560	0.318	0.242	0.000	0.000	0.000	0.000
0.700	0.570	0.375	0.266	0.000	0.000	0.000	0.000
0.800	0.580	0.432	0.288	0.000	0.000	0.000	0.000
0.900	0.590	0.491	0.309	0.000	0.000	0.000	0.000
1.000	0.600	0.550	0.328	0.000	0.000	0.000	0.000
1.100	0.610	0.611	0.347	0.000	0.000	0.000	0.000
1.200	0.620	0.672	0.364	0.000	0.000	0.000	0.000
1.300	0.630	0.735	0.381	0.000	0.000	0.000	0.000
1.400	0.640	0.798	0.396	0.000	0.000	0.000	0.000
1.500	0.650	0.863	0.412	0.000	0.000	0.000	0.000
1.600	0.660	0.928	0.426	0.000	0.000	0.000	0.000
1.700	0.670	0.995	0.441	0.000	0.000	0.000	0.000
1.800	0.680	1.062	0.454	0.000	0.000	0.000	0.000
1.900	0.690	1.131	0.468	0.000	0.000	0.000	0.000
2.000	0.700	1.200	0.507	0.000	0.000	0.000	0.000
2.100	0.710	1.271	0.568	0.000	0.000	0.000	0.000
2.200	0.720	1.342	0.632	0.000	0.000	0.000	0.000
2.300	0.730	1.415	0.676	0.000	0.000	0.000	0.000
2.400	0.740	1.488	0.714	0.000	0.000	0.000	0.000
2.500	0.750	1.563	0.748	0.000	0.000	0.000	0.000
2.600	0.760	1.638	0.781	0.000	0.000	0.000	0.000
2.700	0.770	1.715	0.811	0.000	0.000	0.000	0.000
2.800	0.780	1.792	0.839	0.000	0.000	0.000	0.000
2.900	0.790	1.871	0.866	0.000	0.000	0.000	0.000
3.000	0.800	1.950	0.892	0.000	0.000	0.000	0.000
3.100	0.810	2.031	0.918	0.000	0.000	0.000	0.000
3.200	0.820	2.112	0.942	0.000	0.000	0.000	0.000
3.300	0.830	2.195	0.965	0.000	0.000	0.000	0.000
3.400	0.840	2.278	0.988	0.000	0.000	0.000	0.000
3.500	0.850	2.363	1.010	0.000	0.000	0.000	0.000
3.600	0.860	2.448	1.032	0.000	0.000	0.000	0.000
3.700	0.870	2.535	1.053	0.000	0.000	0.000	0.000
3.800	0.880	2.622	1.074	0.000	0.000	0.000	0.000
3.900	0.890	2.711	1.094	0.000	0.000	0.000	0.000
4.000	0.900	2.800	1.114	0.000	0.000	0.000	0.000
4.100	0.910	2.891	1.133	0.000	0.000	0.000	0.000
4.200	0.920	2.982	1.153	0.000	0.000	0.000	0.000
4.300	0.930	3.075	1.171	0.000	0.000	0.000	0.000

4.400	0.940	3.168	1.190	0.000	0.000	0.000	0.000
4.500	0.950	3.263	1.208	0.000	0.000	0.000	0.000
4.600	0.960	3.358	1.226	0.000	0.000	0.000	0.000
4.700	0.970	3.455	1.243	0.000	0.000	0.000	0.000
4.800	0.980	3.552	1.260	0.000	0.000	0.000	0.000
4.900	0.990	3.651	1.277	0.000	0.000	0.000	0.000
5.000	1.000	3.750	1.294	0.000	0.000	0.000	0.000
5.100	1.010	3.851	1.311	0.000	0.000	0.000	0.000
5.200	1.020	3.952	1.327	0.000	0.000	0.000	0.000
5.300	1.030	4.055	1.343	0.000	0.000	0.000	0.000
5.400	1.040	4.158	1.359	0.000	0.000	0.000	0.000
5.500	1.050	4.263	1.428	0.000	0.000	0.000	0.000
5.600	1.060	4.368	1.539	0.000	0.000	0.000	0.000
5.700	1.070	4.475	1.679	0.000	0.000	0.000	0.000
5.800	1.080	4.582	1.842	0.000	0.000	0.000	0.000
5.900	1.090	4.691	2.025	0.000	0.000	0.000	0.000
6.000	1.100	4.800	2.225	0.000	0.000	0.000	0.000
6.100	1.110	4.911	2.441	0.000	0.000	0.000	0.000
6.200	1.120	5.022	2.672	0.000	0.000	0.000	0.000
6.300	1.130	5.135	2.916	0.000	0.000	0.000	0.000
6.400	1.140	5.248	3.174	0.000	0.000	0.000	0.000
6.500	1.150	5.363	3.444	0.000	0.000	0.000	0.000
6.600	1.160	5.478	3.726	0.000	0.000	0.000	0.000
6.700	1.170	5.595	4.019	0.000	0.000	0.000	0.000
6.800	1.180	5.712	4.323	0.000	0.000	0.000	0.000
6.900	1.190	5.831	4.637	0.000	0.000	0.000	0.000
7.000	1.200	5.950	4.962	0.000	0.000	0.000	0.000
7.100	1.210	6.071	5.296	0.000	0.000	0.000	0.000
7.200	1.220	6.192	5.639	0.000	0.000	0.000	0.000
7.300	1.230	6.315	5.992	0.000	0.000	0.000	0.000
7.400	1.240	6.438	6.354	0.000	0.000	0.000	0.000
7.500	1.250	6.563	6.725	0.000	0.000	0.000	0.000
7.600	1.260	6.688	7.104	0.000	0.000	0.000	0.000
7.700	1.270	6.815	7.491	0.000	0.000	0.000	0.000
7.800	1.280	6.942	7.886	0.000	0.000	0.000	0.000
7.900	1.290	7.071	8.290	0.000	0.000	0.000	0.000
8.000	1.300	7.200	8.701	0.000	0.000	0.000	0.000
8.200	1.320	7.462	9.547	0.000	0.000	0.000	0.000
8.400	1.340	7.728	10.42	0.000	0.000	0.000	0.000
8.600	1.360	7.998	11.33	0.000	0.000	0.000	0.000
8.800	1.380	8.272	12.26	0.000	0.000	0.000	0.000
9.000	1.400	8.550	13.21	0.000	0.000	0.000	0.000
9.200	1.420	8.832	14.20	0.000	0.000	0.000	0.000
9.400	1.440	9.118	15.21	0.000	0.000	0.000	0.000
9.600	1.460	9.408	16.24	0.000	0.000	0.000	0.000
9.800	1.480	9.702	20.84	0.000	0.000	0.000	0.000
10.000	1.500	10.000	28.05	0.000	0.000	0.000	0.000
10.10	1.520	10.30	999.0	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 30.14
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 29.51
Total Impervious Area: 17.93

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	Flow(cfs)
2 year	5.869941
5 year	11.145542
10 year	16.327188
25 year	23.457317

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	Flow(cfs)
2 year	2.008553
5 year	7.073519
10 year	9.688143
25 year	19.008273

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	Pre-Project	Mitigated
1965	6.232	5.393
1966	2.173	1.149
1967	7.061	7.233
1968	4.055	1.178
1969	7.049	3.794
1970	5.549	2.502
1971	6.973	5.703
1972	2.115	1.630
1973	11.743	2.406
1974	9.023	1.334
1975	4.369	1.164
1976	0.006	0.961
1977	0.006	0.458
1978	16.964	6.506

1979	4.648	1.570
1980	5.353	1.572
1981	4.420	2.438
1982	8.914	7.728
1983	11.854	9.262
1984	5.987	4.029
1985	3.929	1.326
1986	20.994	12.168
1987	4.317	1.325
1988	4.362	3.478
1989	6.924	1.323
1990	4.280	1.068
1991	6.079	1.341
1992	8.653	5.037
1993	6.822	2.890
1994	1.193	1.220
1995	32.217	40.258
1996	12.883	4.341
1997	16.765	9.747
1998	13.174	13.032
1999	3.657	1.303
2000	7.694	9.063
2001	4.664	1.115
2002	3.154	1.215
2003	5.758	1.417
2004	6.772	3.156

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	32.2172	40.2576
2	20.9936	13.0319
3	16.9640	12.1678
4	16.7652	9.7473
5	13.1735	9.2622
6	12.8831	9.0633
7	11.8537	7.7285
8	11.7426	7.2330
9	9.0227	6.5064
10	8.9139	5.7030
11	8.6530	5.3931
12	7.6943	5.0368
13	7.0610	4.3409
14	7.0494	4.0293
15	6.9727	3.7939
16	6.9242	3.4776
17	6.8223	3.1562
18	6.7724	2.8898
19	6.2319	2.5019
20	6.0786	2.4376
21	5.9873	2.4062
22	5.7582	1.6299
23	5.5492	1.5720
24	5.3534	1.5695
25	4.6644	1.4175
26	4.6479	1.3413
27	4.4200	1.3342
28	4.3688	1.3256

29	4.3620	1.3248
30	4.3171	1.3231
31	4.2799	1.3027
32	4.0555	1.2201
33	3.9291	1.2149
34	3.6574	1.1778
35	3.1541	1.1641
36	2.1730	1.1493
37	2.1153	1.1148
38	1.1930	1.0683
39	0.0058	0.9615
40	0.0057	0.4578

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
1.4675	1218	972	79	Pass
1.6176	1085	838	77	Pass
1.7677	983	740	75	Pass
1.9178	890	666	74	Pass
2.0679	815	597	73	Pass
2.2180	745	544	73	Pass
2.3681	670	483	72	Pass
2.5182	602	436	72	Pass
2.6683	555	387	69	Pass
2.8184	513	360	70	Pass
2.9685	470	325	69	Pass
3.1186	426	301	70	Pass
3.2687	392	283	72	Pass
3.4188	360	251	69	Pass
3.5689	334	231	69	Pass
3.7190	304	213	70	Pass
3.8691	288	197	68	Pass
4.0192	263	183	69	Pass
4.1692	240	168	70	Pass
4.3193	221	161	72	Pass
4.4694	200	153	76	Pass
4.6195	183	145	79	Pass
4.7696	168	134	79	Pass
4.9197	151	128	84	Pass
5.0698	140	124	88	Pass
5.2199	132	111	84	Pass
5.3700	118	104	88	Pass
5.5201	113	95	84	Pass
5.6702	105	91	86	Pass
5.8203	93	86	92	Pass
5.9704	87	75	86	Pass
6.1205	81	71	87	Pass
6.2706	77	66	85	Pass
6.4207	74	63	85	Pass
6.5708	69	57	82	Pass
6.7209	65	54	83	Pass
6.8710	60	47	78	Pass
7.0211	54	47	87	Pass
7.1712	50	46	92	Pass
7.3213	48	39	81	Pass
7.4714	46	38	82	Pass
7.6215	43	36	83	Pass
7.7716	40	32	80	Pass
7.9217	35	32	91	Pass
8.0718	34	29	85	Pass
8.2219	33	27	81	Pass
8.3720	32	24	75	Pass
8.5221	29	24	82	Pass
8.6722	27	22	81	Pass
8.8223	27	22	81	Pass
8.9724	25	21	84	Pass
9.1225	22	20	90	Pass
9.2726	18	18	100	Pass

9.4227	18	18	100	Pass
9.5728	18	17	94	Pass
9.7229	18	15	83	Pass
9.8730	18	14	77	Pass
10.0231	18	13	72	Pass
10.1732	17	12	70	Pass
10.3233	16	12	75	Pass
10.4734	16	12	75	Pass
10.6235	14	12	85	Pass
10.7736	14	12	85	Pass
10.9237	14	12	85	Pass
11.0738	14	12	85	Pass
11.2239	13	12	92	Pass
11.3740	13	11	84	Pass
11.5241	13	10	76	Pass
11.6741	13	10	76	Pass
11.8242	12	9	75	Pass
11.9743	11	7	63	Pass
12.1244	11	6	54	Pass
12.2745	11	5	45	Pass
12.4246	11	5	45	Pass
12.5747	11	5	45	Pass
12.7248	11	5	45	Pass
12.8749	11	5	45	Pass
13.0250	10	5	50	Pass
13.1751	10	4	40	Pass
13.3252	9	4	44	Pass
13.4753	9	4	44	Pass
13.6254	9	4	44	Pass
13.7755	9	4	44	Pass
13.9256	9	4	44	Pass
14.0757	9	4	44	Pass
14.2258	9	4	44	Pass
14.3759	9	4	44	Pass
14.5260	9	4	44	Pass
14.6761	9	4	44	Pass
14.8262	9	4	44	Pass
14.9763	9	4	44	Pass
15.1264	9	4	44	Pass
15.2765	9	4	44	Pass
15.4266	9	4	44	Pass
15.5767	9	4	44	Pass
15.7268	9	4	44	Pass
15.8769	9	4	44	Pass
16.0270	9	4	44	Pass
16.1771	9	4	44	Pass
16.3272	9	4	44	Pass

Model Default Modifications

Total of 0 changes have been made.

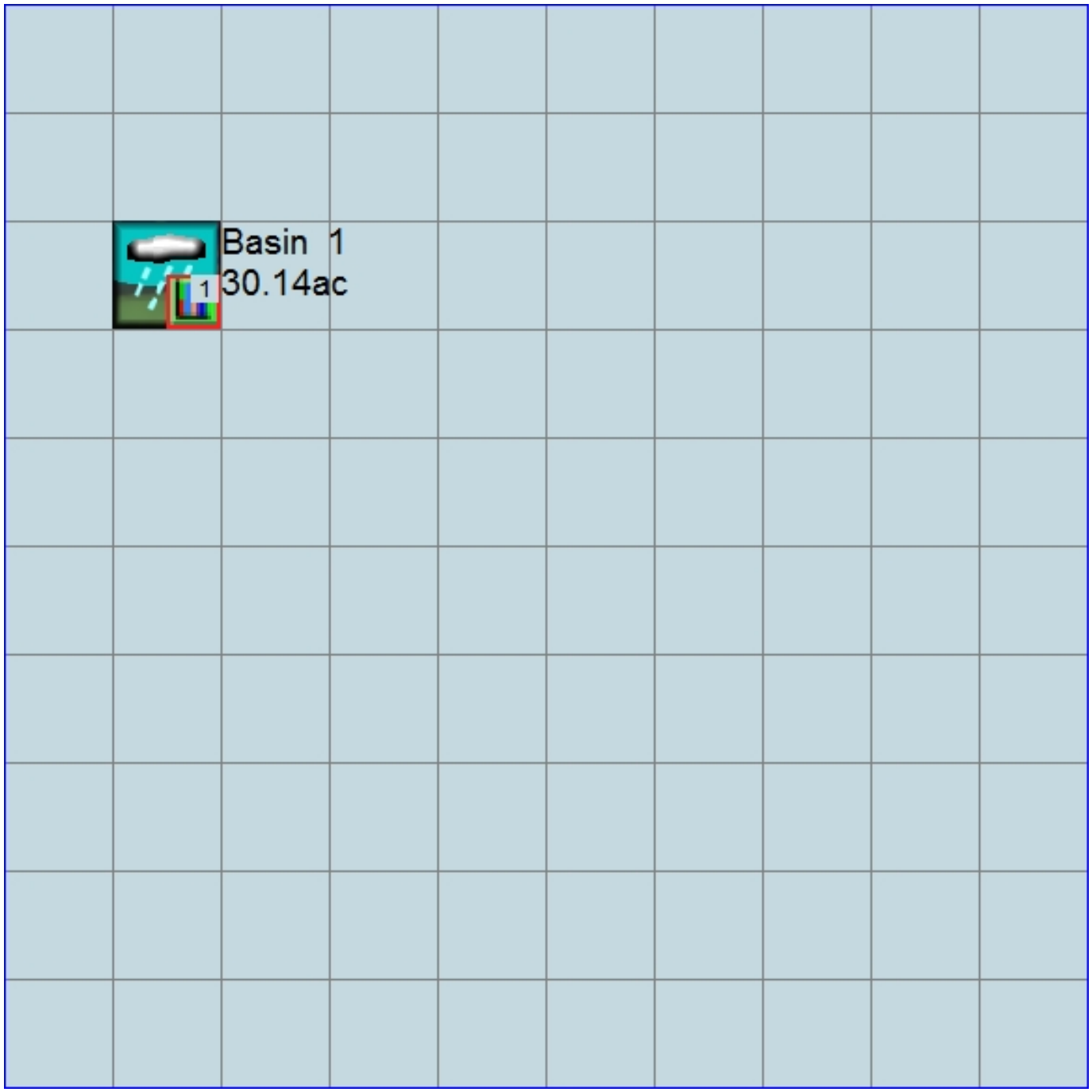
PERLND Changes

No PERLND changes have been made.

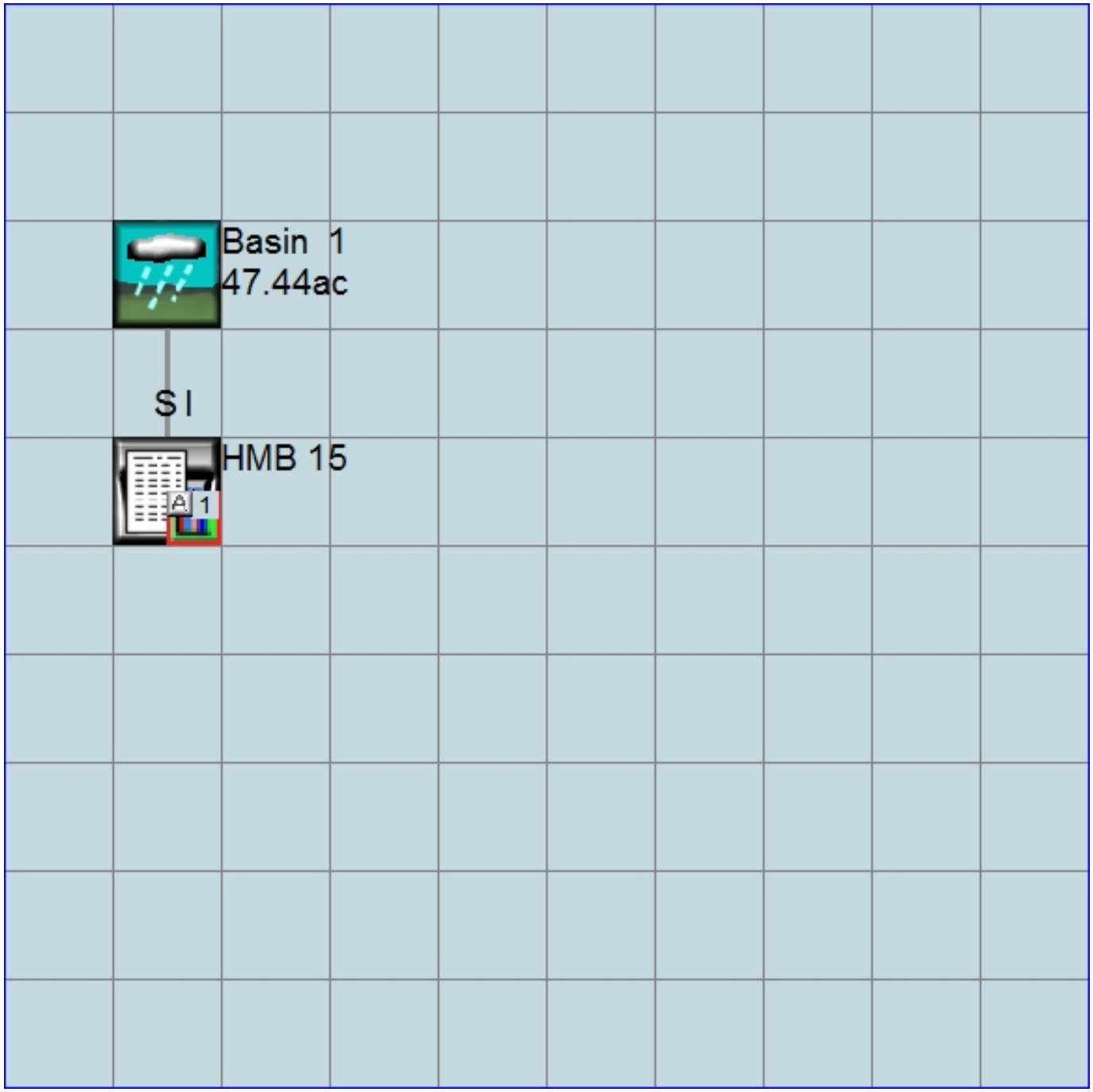
IMPLND Changes

No IMPLND changes have been made.

Appendix
Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   HMB 15_pre_10-31-13 update.wdm
MESSU       25   PreHMB 15_pre_10-31-13 update.MES
            27   PreHMB 15_pre_10-31-13 update.L61
            28   PreHMB 15_pre_10-31-13 update.L62
            30   POCHMB 15_pre_10-31-13 update1.dat
END FILES

OPN SEQUENCE
    INGRP              INDELT 00:60
      PERLND      34
      PERLND      50
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        Basin  1                  MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                       in  out           ***
   34     C,Grass,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   34         0    0    1    0    0    0    0    0    0    0    0    0
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
```

```
 34         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 34         0    0    0    1    0    0    0    0    1    0    0
 50         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2         ***
  # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
 34              0      4.45     0.043       400      0.02         3      0.92
 50              0      4.35     0.028       400      0.02         3      0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3         ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 34             40        35         2         2         0         0      0.05
 50             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                              ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 34              0      0.28      0.25      0.65      0.48         0
 50              0      0.28      0.25      0.65      0.48         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3         ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 34       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3         ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 34      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
END MON-INTERCEP

PWAT-STATE1
  <PLS > *** Initial conditions at start of simulation
             ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
  # -  # ***  CEPS      SURS       UZS       IFWS       LZS       AGWS       GWVS
 34              0         0      0.15          0         4      0.05          0
 50              0         0      0.15          0         4      0.05          0
END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                    in  out           ***
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
  END PRINT-INFO
```

```
  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK    ***
<Name>   #                 <-factor->     <Name>   #   Tbl#    ***
Basin  1***
PERLND  34                       3.6      COPY   501      12
PERLND  34                       3.6      COPY   501      13
PERLND  50                     26.54      COPY   501      12
PERLND  50                     26.54      COPY   501      13

******Routing******
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1



<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<----------------><---> User T-series  Engl Metr LKFG             ***
                                      in  out                               ***
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ****************** PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                 ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
            FG FG FG FG  possible  exit  *** possible  exit      possible  exit
             *  *  *  *    *  *  *  *  *       *  *  *  *  *        ***
  END HYDR-PARM1
```

```
  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                            ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
         *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    501 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>            <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   HMB 15_pre_10-31-13 update.wdm
MESSU       25   MitHMB 15_pre_10-31-13 update.MES
            27   MitHMB 15_pre_10-31-13 update.L61
            28   MitHMB 15_pre_10-31-13 update.L62
            30   POCHMB 15_pre_10-31-13 update1.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      42
      PERLND      58
      PERLND      50
      IMPLND       2
      RCHRES       1
      COPY         1
      COPY       501
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    1        HMB 15                    MAX                     1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                          in  out            ***
   42     C,Urban,Mod (1-2%)      1    1    1    1   27    0
   58     D,Urban,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   42         0    0    1    0    0    0    0    0    0    0    0    0
   58         0    0    1    0    0    0    0    0    0    0    0    0
```

```
   50         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   42         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  PWAT-PARM1
    <PLS >  PWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
   42         0    0    0    1    0    0    0    0    1    0    0
   58         0    0    0    1    0    0    0    0    1    0    0
   50         0    0    0    1    0    0    0    0    1    0    0
  END PWAT-PARM1

  PWAT-PARM2
    <PLS >      PWATER input info: Part 2          ***
    # -  # ***FOREST      LZSN    INFILT      LSUR     SLSUR     KVARY     AGWRC
   42              0       4.4      0.03       400      0.02         3      0.92
   58              0       4.4     0.018       400      0.02         3      0.92
   50              0      4.35     0.028       400      0.02         3      0.92
  END PWAT-PARM2

  PWAT-PARM3
    <PLS >      PWATER input info: Part 3          ***
    # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
   42             40        35         2         2         0         0      0.05
   58             40        35         2         2         0         0      0.05
   50             40        35         2         2         0         0      0.05
  END PWAT-PARM3
  PWAT-PARM4
    <PLS >     PWATER input info: Part 4                              ***
    # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
   42              0      0.28      0.25      0.48      0.38         0
   58              0      0.28      0.25      0.48      0.38         0
   50              0      0.28      0.25      0.65      0.48         0
  END PWAT-PARM4
  MON-LZETPARM
    <PLS >      PWATER input info: Part 3          ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   42       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   58       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
   50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
  END MON-LZETPARM
  MON-INTERCEP
    <PLS >      PWATER input info: Part 3          ***
    # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
   42      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   58      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS      GWVS
   42              0         0      0.15         0         4      0.05         0
   58              0         0      0.15         0         4      0.05         0
   50              0         0      0.15         0         4      0.05         0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
```

```
    # -  #                    User  t-series Engl Metr ***
                                  in  out           ***
    2     Imperv,Mod (1-2%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    ***
    2         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL     *********
    2         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    2         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    2            100      0.02      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    2              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    2              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK    ***
<Name>   #                 <-factor->     <Name>   #   Tbl#    ***
Basin  1***
PERLND  42                       3.4     RCHRES   1      2
PERLND  42                       3.4     RCHRES   1      3
PERLND  58                     22.67     RCHRES   1      2
PERLND  58                     22.67     RCHRES   1      3
PERLND  50                      3.44     RCHRES   1      2
PERLND  50                      3.44     RCHRES   1      3
IMPLND   2                     17.93     RCHRES   1      5

******Routing******
PERLND  42                       3.4     COPY     1     12
PERLND  58                     22.67     COPY     1     12
PERLND  50                      3.44     COPY     1     12
IMPLND   2                     17.93     COPY     1     15
PERLND  42                       3.4     COPY     1     13
PERLND  58                     22.67     COPY     1     13
PERLND  50                      3.44     COPY     1     13
RCHRES   1                         1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
```

```
COPY    501 OUTPUT MEAN    1 1    12.1        DISPLY    1      INPUT  TIMSER 1


<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG            ***
                                        in  out                              ***
    1     HMB 15                  1    1    1    1   28    0    1
  END GEN-INFO
  *** Section RCHRES***

  ACTIVITY
    <PLS > ************ Active Sections ****************************
    # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
    1         1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ******************* PIVL  PYR
    # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
    1         4    0    0    0    0    0    0    0    0    0    1    9
  END PRINT-INFO

  HYDR-PARM1
    RCHRES  Flags for each HYDR Section                                  ***
    # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
           FG FG FG FG  possible  exit  *** possible  exit      possible  exit
            *  *  *  *     *  *  *  *  *       *  *  *  *  *        ***
    1        0  1  0  0     4  0  0  0  0       0  0  0  0  0        2  2  2  2  2
  END HYDR-PARM1

  HYDR-PARM2
    # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50       ***
  <------><--------><--------><--------><--------><--------><--------><--------> ***
    1               1      0.01       0.0       0.0       0.5       0.0
  END HYDR-PARM2
  HYDR-INIT
    RCHRES  Initial conditions for each HYDR section                     ***
    # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
           *** ac-ft     for each possible exit        for each possible exit
  <------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
    1         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      1
   93    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.010000  0.500000  0.005000  0.001000
  0.100000  0.510000  0.050000  0.031000
  0.200000  0.520000  0.102000  0.087000
  0.300000  0.530000  0.155000  0.147000
  0.400000  0.540000  0.208000  0.184000
  0.500000  0.550000  0.263000  0.215000
  0.600000  0.560000  0.318000  0.242000
  0.700000  0.570000  0.375000  0.266000
  0.800000  0.580000  0.432000  0.288000
  0.900000  0.590000  0.491000  0.309000
  1.000000  0.600000  0.550000  0.328000
```

1.100000	0.610000	0.611000	0.347000
1.200000	0.620000	0.672000	0.364000
1.300000	0.630000	0.735000	0.381000
1.400000	0.640000	0.798000	0.396000
1.500000	0.650000	0.863000	0.412000
1.600000	0.660000	0.928000	0.426000
1.700000	0.670000	0.995000	0.441000
1.800000	0.680000	1.062000	0.454000
1.900000	0.690000	1.131000	0.468000
2.000000	0.700000	1.200000	0.507000
2.100000	0.710000	1.271000	0.568000
2.200000	0.720000	1.342000	0.632000
2.300000	0.730000	1.415000	0.676000
2.400000	0.740000	1.488000	0.714000
2.500000	0.750000	1.563000	0.748000
2.600000	0.760000	1.638000	0.781000
2.700000	0.770000	1.715000	0.811000
2.800000	0.780000	1.792000	0.839000
2.900000	0.790000	1.871000	0.866000
3.000000	0.800000	1.950000	0.892000
3.100000	0.810000	2.031000	0.918000
3.200000	0.820000	2.112000	0.942000
3.300000	0.830000	2.195000	0.965000
3.400000	0.840000	2.278000	0.988000
3.500000	0.850000	2.363000	1.010000
3.600000	0.860000	2.448000	1.032000
3.700000	0.870000	2.535000	1.053000
3.800000	0.880000	2.622000	1.074000
3.900000	0.890000	2.711000	1.094000
4.000000	0.900000	2.800000	1.114000
4.100000	0.910000	2.891000	1.133000
4.200000	0.920000	2.982000	1.153000
4.300000	0.930000	3.075000	1.171000
4.400000	0.940000	3.168000	1.190000
4.500000	0.950000	3.263000	1.208000
4.600000	0.960000	3.358000	1.226000
4.700000	0.970000	3.455000	1.243000
4.800000	0.980000	3.552000	1.260000
4.900000	0.990000	3.651000	1.277000
5.000000	1.000000	3.750000	1.294000
5.100000	1.010000	3.851000	1.311000
5.200000	1.020000	3.952000	1.327000
5.300000	1.030000	4.055000	1.343000
5.400000	1.040000	4.158000	1.359000
5.500000	1.050000	4.263000	1.428000
5.600000	1.060000	4.368000	1.539000
5.700000	1.070000	4.475000	1.679000
5.800000	1.080000	4.582000	1.842000
5.900000	1.090000	4.691000	2.025000
6.000000	1.100000	4.800000	2.225000
6.100000	1.110000	4.911000	2.441000
6.200000	1.120000	5.022000	2.672000
6.300000	1.130000	5.135000	2.916000
6.400000	1.140000	5.248000	3.174000
6.500000	1.150000	5.363000	3.444000
6.600000	1.160000	5.478000	3.726000
6.700000	1.170000	5.595000	4.019000
6.800000	1.180000	5.712000	4.323000
6.900000	1.190000	5.831000	4.637000
7.000000	1.200000	5.950000	4.962000
7.100000	1.210000	6.071000	5.296000
7.200000	1.220000	6.192000	5.639000
7.300000	1.230000	6.315000	5.992000
7.400000	1.240000	6.438000	6.354000
7.500000	1.250000	6.563000	6.725000
7.600000	1.260000	6.688000	7.104000
7.700000	1.270000	6.815000	7.491000
7.800000	1.280000	6.942000	7.886000
7.900000	1.290000	7.071000	8.290000
8.000000	1.300000	7.200000	8.701000

```
  8.200000  1.320000  7.462000  9.547000
  8.400000  1.340000  7.728000  10.42100
  8.600000  1.360000  7.998000  11.32500
  8.800000  1.380000  8.272000  12.25600
  9.000000  1.400000  8.550000  13.21400
  9.200000  1.420000  8.832000  14.19700
  9.400000  1.440000  9.118000  15.20600
  9.600000  1.460000  9.408000  16.24000
  9.800000  1.480000  9.702000  20.84000
  10.00000  1.500000  10.00000  28.05000
  10.10000  1.520000  10.30200  999.0000
  END FTABLE  1
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.045          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.045          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  42     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7       SAME PERLND  58     EXTNL  SURLI
WDM      2 PREC     ENGL    1.045          RCHRES   1     EXTNL  PREC
WDM      1 EVAP     ENGL    1              RCHRES   1     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   1 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL       REPL
RCHRES   1 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL       REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL       REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL       REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>             <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK
```

```
END RUN
```

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

SAHM

PROJECT REPORT

General Model Information

Project Name: HMB 27_combo_10-30
Site Name:
Site Address:
City:
Report Date: 11/27/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.14
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year

Landuse Basin Data

Pre-Project Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	203.65
Pervious Total	203.65

Impervious Land Use	Acres
Impervious Total	0
Basin Total	203.65

Element Flows To:

Surface	Interflow	Groundwater
Channel 1	Channel 1	

Mitigated Land Use

Basin 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Steep(2-5%)	105.52
D,Grass,Steep(2-5%)	5.9
Pervious Total	111.42

Impervious Land Use	Acres
Imperv,Steep(2-5%)	63.4
Impervious Total	63.4
Basin Total	174.82

Element Flows To:

Surface	Interflow	Groundwater
HMB 28 WQ	HMB 28 WQ	

Basin 2

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	40.53
Pervious Total	40.53

Impervious Land Use	Acres
Impervious Total	0
Basin Total	40.53

Element Flows To:

Surface	Interflow	Groundwater
Channel 1	Channel 1	

Routing Elements

Pre-Project Routing

Channel 1

Bottom Length: 2784.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0244 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.319	0.000	0.000	0.000
0.0667	0.323	0.021	0.361	0.000
0.1333	0.328	0.043	1.138	0.000
0.2000	0.332	0.065	2.220	0.000
0.2667	0.336	0.087	3.560	0.000
0.3333	0.340	0.110	5.129	0.000
0.4000	0.345	0.132	6.907	0.000
0.4667	0.349	0.156	8.876	0.000
0.5333	0.353	0.179	11.02	0.000
0.6000	0.357	0.203	13.34	0.000
0.6667	0.362	0.227	15.82	0.000
0.7333	0.366	0.251	18.46	0.000
0.8000	0.370	0.276	21.25	0.000
0.8667	0.375	0.301	24.18	0.000
0.9333	0.379	0.326	27.25	0.000
1.0000	0.383	0.351	30.46	0.000
1.0667	0.387	0.377	33.80	0.000
1.1333	0.392	0.403	37.27	0.000
1.2000	0.396	0.429	40.86	0.000
1.2667	0.400	0.456	44.59	0.000
1.3333	0.404	0.482	48.44	0.000
1.4000	0.409	0.510	52.40	0.000
1.4667	0.413	0.537	56.49	0.000
1.5333	0.417	0.565	60.70	0.000
1.6000	0.421	0.593	65.03	0.000
1.6667	0.426	0.621	69.47	0.000
1.7333	0.430	0.649	74.03	0.000
1.8000	0.434	0.678	78.71	0.000
1.8667	0.438	0.707	83.50	0.000
1.9333	0.443	0.737	88.41	0.000
2.0000	0.447	0.767	93.42	0.000
2.0667	0.451	0.796	98.56	0.000
2.1333	0.455	0.827	103.8	0.000
2.2000	0.460	0.857	109.1	0.000
2.2667	0.464	0.888	114.6	0.000
2.3333	0.468	0.919	120.2	0.000

2.4000	0.473	0.951	125.9	0.000
2.4667	0.477	0.982	131.7	0.000
2.5333	0.481	1.014	137.6	0.000
2.6000	0.485	1.046	143.6	0.000
2.6667	0.490	1.079	149.8	0.000
2.7333	0.494	1.112	156.0	0.000
2.8000	0.498	1.145	162.4	0.000
2.8667	0.502	1.178	168.9	0.000
2.9333	0.507	1.212	175.5	0.000
3.0000	0.511	1.246	182.2	0.000
3.0667	0.515	1.280	189.0	0.000
3.1333	0.519	1.315	195.9	0.000
3.2000	0.524	1.349	202.9	0.000
3.2667	0.528	1.384	210.1	0.000
3.3333	0.532	1.420	217.4	0.000
3.4000	0.536	1.456	224.7	0.000
3.4667	0.541	1.491	232.2	0.000
3.5333	0.545	1.528	239.8	0.000
3.6000	0.549	1.564	247.6	0.000
3.6667	0.553	1.601	255.4	0.000
3.7333	0.558	1.638	263.3	0.000
3.8000	0.562	1.675	271.4	0.000
3.8667	0.566	1.713	279.6	0.000
3.9333	0.571	1.751	287.9	0.000
4.0000	0.575	1.789	296.3	0.000
4.0667	0.579	1.828	304.8	0.000
4.1333	0.583	1.866	313.5	0.000
4.2000	0.588	1.905	322.3	0.000
4.2667	0.592	1.945	331.1	0.000
4.3333	0.596	1.984	340.1	0.000
4.4000	0.600	2.024	349.2	0.000
4.4667	0.605	2.065	358.5	0.000
4.5333	0.609	2.105	367.8	0.000
4.6000	0.613	2.146	377.3	0.000
4.6667	0.617	2.187	386.9	0.000
4.7333	0.622	2.228	396.6	0.000
4.8000	0.626	2.270	406.5	0.000
4.8667	0.630	2.312	416.4	0.000
4.9333	0.634	2.354	426.5	0.000
5.0000	0.639	2.396	436.7	0.000
5.0667	0.643	2.439	447.0	0.000
5.1333	0.647	2.482	457.4	0.000
5.2000	0.652	2.525	468.0	0.000
5.2667	0.656	2.569	478.7	0.000
5.3333	0.660	2.613	489.5	0.000
5.4000	0.664	2.657	500.4	0.000
5.4667	0.669	2.702	511.5	0.000
5.5333	0.673	2.746	522.7	0.000
5.6000	0.677	2.791	534.0	0.000
5.6667	0.681	2.837	545.4	0.000
5.7333	0.686	2.882	557.0	0.000
5.8000	0.690	2.928	568.7	0.000
5.8667	0.694	2.974	580.5	0.000
5.9333	0.698	3.021	592.4	0.000
6.0000	0.703	3.068	604.5	0.000
6.0667	0.707	3.115	616.7	0.000

Mitigated Routing

Channel 1

Bottom Length: 2784.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0244 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
DB 12

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.319	0.000	0.000	0.000
0.0667	0.323	0.021	0.361	0.000
0.1333	0.328	0.043	1.138	0.000
0.2000	0.332	0.065	2.220	0.000
0.2667	0.336	0.087	3.560	0.000
0.3333	0.340	0.110	5.129	0.000
0.4000	0.345	0.132	6.907	0.000
0.4667	0.349	0.156	8.876	0.000
0.5333	0.353	0.179	11.02	0.000
0.6000	0.357	0.203	13.34	0.000
0.6667	0.362	0.227	15.82	0.000
0.7333	0.366	0.251	18.46	0.000
0.8000	0.370	0.276	21.25	0.000
0.8667	0.375	0.301	24.18	0.000
0.9333	0.379	0.326	27.25	0.000
1.0000	0.383	0.351	30.46	0.000
1.0667	0.387	0.377	33.80	0.000
1.1333	0.392	0.403	37.27	0.000
1.2000	0.396	0.429	40.86	0.000
1.2667	0.400	0.456	44.59	0.000
1.3333	0.404	0.482	48.44	0.000
1.4000	0.409	0.510	52.40	0.000
1.4667	0.413	0.537	56.49	0.000
1.5333	0.417	0.565	60.70	0.000
1.6000	0.421	0.593	65.03	0.000
1.6667	0.426	0.621	69.47	0.000
1.7333	0.430	0.649	74.03	0.000
1.8000	0.434	0.678	78.71	0.000
1.8667	0.438	0.707	83.50	0.000
1.9333	0.443	0.737	88.41	0.000
2.0000	0.447	0.767	93.42	0.000
2.0667	0.451	0.796	98.56	0.000
2.1333	0.455	0.827	103.8	0.000
2.2000	0.460	0.857	109.1	0.000
2.2667	0.464	0.888	114.6	0.000
2.3333	0.468	0.919	120.2	0.000
2.4000	0.473	0.951	125.9	0.000
2.4667	0.477	0.982	131.7	0.000

2.5333	0.481	1.014	137.6	0.000
2.6000	0.485	1.046	143.6	0.000
2.6667	0.490	1.079	149.8	0.000
2.7333	0.494	1.112	156.0	0.000
2.8000	0.498	1.145	162.4	0.000
2.8667	0.502	1.178	168.9	0.000
2.9333	0.507	1.212	175.5	0.000
3.0000	0.511	1.246	182.2	0.000
3.0667	0.515	1.280	189.0	0.000
3.1333	0.519	1.315	195.9	0.000
3.2000	0.524	1.349	202.9	0.000
3.2667	0.528	1.384	210.1	0.000
3.3333	0.532	1.420	217.4	0.000
3.4000	0.536	1.456	224.7	0.000
3.4667	0.541	1.491	232.2	0.000
3.5333	0.545	1.528	239.8	0.000
3.6000	0.549	1.564	247.6	0.000
3.6667	0.553	1.601	255.4	0.000
3.7333	0.558	1.638	263.3	0.000
3.8000	0.562	1.675	271.4	0.000
3.8667	0.566	1.713	279.6	0.000
3.9333	0.571	1.751	287.9	0.000
4.0000	0.575	1.789	296.3	0.000
4.0667	0.579	1.828	304.8	0.000
4.1333	0.583	1.866	313.5	0.000
4.2000	0.588	1.905	322.3	0.000
4.2667	0.592	1.945	331.1	0.000
4.3333	0.596	1.984	340.1	0.000
4.4000	0.600	2.024	349.2	0.000
4.4667	0.605	2.065	358.5	0.000
4.5333	0.609	2.105	367.8	0.000
4.6000	0.613	2.146	377.3	0.000
4.6667	0.617	2.187	386.9	0.000
4.7333	0.622	2.228	396.6	0.000
4.8000	0.626	2.270	406.5	0.000
4.8667	0.630	2.312	416.4	0.000
4.9333	0.634	2.354	426.5	0.000
5.0000	0.639	2.396	436.7	0.000
5.0667	0.643	2.439	447.0	0.000
5.1333	0.647	2.482	457.4	0.000
5.2000	0.652	2.525	468.0	0.000
5.2667	0.656	2.569	478.7	0.000
5.3333	0.660	2.613	489.5	0.000
5.4000	0.664	2.657	500.4	0.000
5.4667	0.669	2.702	511.5	0.000
5.5333	0.673	2.746	522.7	0.000
5.6000	0.677	2.791	534.0	0.000
5.6667	0.681	2.837	545.4	0.000
5.7333	0.686	2.882	557.0	0.000
5.8000	0.690	2.928	568.7	0.000
5.8667	0.694	2.974	580.5	0.000
5.9333	0.698	3.021	592.4	0.000
6.0000	0.703	3.068	604.5	0.000
6.0667	0.707	3.115	616.7	0.000

DB 12

Depth: 12 ft.
Element Flows To:
Outlet 1 Outlet 2

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	0.210	0.010	0.110	0.000	0.000	0.000	0.000
0.200	0.190	0.060	0.300	0.000	0.000	0.000	0.000
0.400	0.210	0.120	0.840	0.000	0.000	0.000	0.000
0.600	0.220	0.180	1.550	0.000	0.000	0.000	0.000
0.800	0.240	0.240	2.380	0.000	0.000	0.000	0.000
1.000	0.260	0.290	3.330	0.000	0.000	0.000	0.000
1.200	0.280	0.350	4.030	0.000	0.000	0.000	0.000
1.400	0.300	0.410	4.570	0.000	0.000	0.000	0.000
1.600	0.320	0.470	5.050	0.000	0.000	0.000	0.000
1.800	0.340	0.530	5.490	0.000	0.000	0.000	0.000
2.000	0.360	0.600	5.900	0.000	0.000	0.000	0.000
2.200	0.390	0.670	6.280	0.000	0.000	0.000	0.000
2.400	0.410	0.740	6.640	0.000	0.000	0.000	0.000
2.600	0.440	0.810	6.980	0.000	0.000	0.000	0.000
2.800	0.470	0.890	7.300	0.000	0.000	0.000	0.000
3.000	0.500	0.980	7.610	0.000	0.000	0.000	0.000
3.200	0.530	1.070	7.910	0.000	0.000	0.000	0.000
3.400	0.560	1.160	8.200	0.000	0.000	0.000	0.000
3.600	0.590	1.270	8.480	0.000	0.000	0.000	0.000
3.800	0.620	1.380	8.750	0.000	0.000	0.000	0.000
4.000	0.660	1.490	9.010	0.000	0.000	0.000	0.000
4.200	0.700	1.620	9.260	0.000	0.000	0.000	0.000
4.400	0.730	1.750	9.510	0.000	0.000	0.000	0.000
4.600	0.770	1.890	9.750	0.000	0.000	0.000	0.000
4.800	0.810	2.040	9.980	0.000	0.000	0.000	0.000
5.000	0.850	2.190	10.21	0.000	0.000	0.000	0.000
5.200	0.890	2.360	10.44	0.000	0.000	0.000	0.000
5.400	0.940	2.530	10.66	0.000	0.000	0.000	0.000
5.600	0.980	2.720	10.87	0.000	0.000	0.000	0.000
5.800	1.030	2.920	11.08	0.000	0.000	0.000	0.000
6.000	1.070	3.120	11.29	0.000	0.000	0.000	0.000
6.200	1.120	3.340	12.18	0.000	0.000	0.000	0.000
6.400	1.170	3.570	13.63	0.000	0.000	0.000	0.000
6.600	1.220	3.800	15.45	0.000	0.000	0.000	0.000
6.800	1.270	4.050	17.57	0.000	0.000	0.000	0.000
7.000	1.330	4.320	19.93	0.000	0.000	0.000	0.000
7.200	1.380	4.590	22.53	0.000	0.000	0.000	0.000
7.400	1.430	4.870	25.34	0.000	0.000	0.000	0.000
7.600	1.490	5.170	28.33	0.000	0.000	0.000	0.000
7.800	1.550	5.480	31.51	0.000	0.000	0.000	0.000
8.000	1.610	5.800	34.85	0.000	0.000	0.000	0.000
8.200	1.670	6.140	38.35	0.000	0.000	0.000	0.000
8.400	1.730	6.490	42.01	0.000	0.000	0.000	0.000
8.600	1.790	6.850	45.81	0.000	0.000	0.000	0.000
8.800	1.850	7.220	49.76	0.000	0.000	0.000	0.000
9.000	1.920	7.610	53.84	0.000	0.000	0.000	0.000

9.200	1.980	8.010	58.04	0.000	0.000	0.000	0.000
9.400	2.050	8.430	62.38	0.000	0.000	0.000	0.000
9.600	2.120	8.860	66.84	0.000	0.000	0.000	0.000
9.800	2.180	9.300	71.42	0.000	0.000	0.000	0.000
10.000	2.250	9.750	76.11	0.000	0.000	0.000	0.000
10.20	2.330	10.22	80.92	0.000	0.000	0.000	0.000
10.40	2.400	10.71	85.84	0.000	0.000	0.000	0.000
10.60	2.470	11.20	90.87	0.000	0.000	0.000	0.000
10.80	2.550	11.71	96.00	0.000	0.000	0.000	0.000
11.00	2.620	12.24	101.2	0.000	0.000	0.000	0.000
11.20	2.700	12.78	106.6	0.000	0.000	0.000	0.000
11.40	2.780	13.33	112.0	0.000	0.000	0.000	0.000
11.60	2.860	13.90	117.5	0.000	0.000	0.000	0.000
11.80	2.940	14.48	124.6	0.000	0.000	0.000	0.000

HMB 28 WQ

Depth: 7.9 ft.
Element Flows To:
Outlet 1 Outlet 2
Channel 1

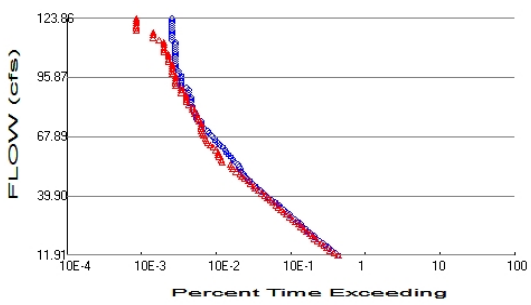
SSD Table Hydraulic Table

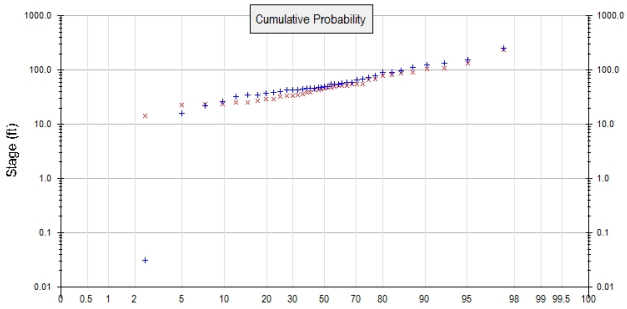
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	0.330	0.030	0.040	0.000	0.000	0.000	0.000
0.200	0.340	0.070	0.100	0.000	0.000	0.000	0.000
0.300	0.350	0.100	0.180	0.000	0.000	0.000	0.000
0.400	0.350	0.140	0.260	0.000	0.000	0.000	0.000
0.500	0.360	0.170	0.310	0.000	0.000	0.000	0.000
0.600	0.360	0.210	0.350	0.000	0.000	0.000	0.000
0.700	0.370	0.240	0.390	0.000	0.000	0.000	0.000
0.800	0.370	0.280	0.430	0.000	0.000	0.000	0.000
0.900	0.380	0.320	0.460	0.000	0.000	0.000	0.000
1.000	0.390	0.360	0.490	0.000	0.000	0.000	0.000
1.100	0.390	0.400	0.520	0.000	0.000	0.000	0.000
1.200	0.400	0.440	0.540	0.000	0.000	0.000	0.000
1.300	0.400	0.480	0.570	0.000	0.000	0.000	0.000
1.400	0.410	0.520	0.590	0.000	0.000	0.000	0.000
1.500	0.420	0.560	0.620	0.000	0.000	0.000	0.000
1.600	0.420	0.600	0.640	0.000	0.000	0.000	0.000
1.700	0.430	0.640	0.660	0.000	0.000	0.000	0.000
1.800	0.430	0.680	0.680	0.000	0.000	0.000	0.000
1.900	0.440	0.730	0.700	0.000	0.000	0.000	0.000
2.000	0.440	0.770	0.720	0.000	0.000	0.000	0.000
2.100	0.450	0.820	0.740	0.000	0.000	0.000	0.000
2.200	0.460	0.860	0.760	0.000	0.000	0.000	0.000
2.300	0.460	0.910	0.780	0.000	0.000	0.000	0.000
2.400	0.470	0.950	0.800	0.000	0.000	0.000	0.000
2.500	0.470	1.000	0.820	0.000	0.000	0.000	0.000
2.600	0.480	1.050	0.830	0.000	0.000	0.000	0.000
2.700	0.480	1.100	0.850	0.000	0.000	0.000	0.000
2.800	0.490	1.140	0.870	0.000	0.000	0.000	0.000
2.900	0.500	1.190	0.880	0.000	0.000	0.000	0.000
3.000	0.500	1.240	0.900	0.000	0.000	0.000	0.000
3.100	0.510	1.290	0.920	0.000	0.000	0.000	0.000
3.200	0.510	1.340	0.930	0.000	0.000	0.000	0.000
3.300	0.520	1.400	0.950	0.000	0.000	0.000	0.000
3.400	0.520	1.450	0.960	0.000	0.000	0.000	0.000
3.500	0.530	1.500	0.980	0.000	0.000	0.000	0.000
3.600	0.530	1.550	0.990	0.000	0.000	0.000	0.000
3.700	0.540	1.610	1.010	0.000	0.000	0.000	0.000
3.800	0.550	1.660	1.020	0.000	0.000	0.000	0.000
3.900	0.550	1.720	1.030	0.000	0.000	0.000	0.000
4.000	0.560	1.770	1.050	0.000	0.000	0.000	0.000
4.100	0.560	1.830	1.060	0.000	0.000	0.000	0.000
4.200	0.570	1.880	1.070	0.000	0.000	0.000	0.000
4.300	0.570	1.940	1.090	0.000	0.000	0.000	0.000
4.400	0.580	2.000	1.100	0.000	0.000	0.000	0.000
4.500	0.590	2.060	1.110	0.000	0.000	0.000	0.000
4.600	0.590	2.110	1.130	0.000	0.000	0.000	0.000

4.700	0.600	2.170	1.140	0.000	0.000	0.000	0.000
4.800	0.600	2.230	1.150	0.000	0.000	0.000	0.000
4.900	0.610	2.290	1.160	0.000	0.000	0.000	0.000
5.000	0.610	2.360	1.180	0.000	0.000	0.000	0.000
5.100	0.620	2.420	1.190	0.000	0.000	0.000	0.000
5.200	0.620	2.480	1.200	0.000	0.000	0.000	0.000
5.300	0.630	2.540	1.210	0.000	0.000	0.000	0.000
5.400	0.640	2.610	1.220	0.000	0.000	0.000	0.000
5.500	0.640	2.670	1.240	0.000	0.000	0.000	0.000
5.600	0.650	2.730	1.250	0.000	0.000	0.000	0.000
5.700	0.650	2.800	1.260	0.000	0.000	0.000	0.000
5.800	0.660	2.860	1.270	0.000	0.000	0.000	0.000
5.900	0.660	2.930	1.280	0.000	0.000	0.000	0.000
6.000	0.670	3.000	1.290	0.000	0.000	0.000	0.000
6.100	0.680	3.060	1.300	0.000	0.000	0.000	0.000
6.200	0.680	3.130	1.310	0.000	0.000	0.000	0.000
6.300	0.690	3.200	1.320	0.000	0.000	0.000	0.000
6.400	0.690	3.270	1.340	0.000	0.000	0.000	0.000
6.500	0.700	3.340	1.350	0.000	0.000	0.000	0.000
6.600	0.700	3.410	1.360	0.000	0.000	0.000	0.000
6.700	0.710	3.480	1.370	0.000	0.000	0.000	0.000
6.800	0.710	3.550	1.380	0.000	0.000	0.000	0.000
6.900	0.720	3.620	1.390	0.000	0.000	0.000	0.000
7.000	0.730	3.700	1.400	0.000	0.000	0.000	0.000
7.100	0.730	3.770	1.410	0.000	0.000	0.000	0.000
7.200	0.740	3.840	1.420	0.000	0.000	0.000	0.000
7.300	0.740	3.920	1.430	0.000	0.000	0.000	0.000
7.400	0.750	3.990	1.440	0.000	0.000	0.000	0.000
7.500	0.750	4.070	1.450	0.000	0.000	0.000	0.000
7.600	0.760	4.140	1.460	0.000	0.000	0.000	0.000
7.700	0.760	4.220	1.470	0.000	0.000	0.000	0.000
7.800	0.770	4.300	1.480	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 203.65
Total Impervious Area: 0

Mitigated Landuse Totals for POC #1
Total Pervious Area: 151.95
Total Impervious Area: 63.4

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	47.645156
5 year	88.498361
10 year	123.859756
25 year	175.930366

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	44.378405
5 year	75.822051
10 year	101.766268
25 year	153.689634

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	49.529	47.509
1966	22.117	23.190
1967	54.784	55.239
1968	34.248	35.670
1969	55.616	39.150
1970	46.428	43.553
1971	59.267	38.984
1972	25.856	22.429
1973	91.570	82.173
1974	77.578	55.144
1975	43.681	25.457
1976	0.031	14.337
1977	0.019	2.165
1978	135.638	103.211

1979	36.700	28.653
1980	43.161	34.267
1981	46.195	42.503
1982	73.430	69.183
1983	91.679	77.689
1984	47.939	45.246
1985	46.004	33.469
1986	155.170	131.520
1987	38.211	31.983
1988	44.221	47.707
1989	55.462	49.381
1990	39.880	27.417
1991	47.365	50.720
1992	68.117	65.886
1993	58.604	46.474
1994	16.133	25.438
1995	249.745	232.515
1996	113.202	87.914
1997	125.340	107.916
1998	97.376	91.364
1999	32.054	23.400
2000	65.746	55.218
2001	43.572	33.224
2002	34.318	28.726
2003	50.023	51.448
2004	56.332	50.754

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	249.7450	232.5150
2	155.1700	131.5200
3	135.6380	107.9160
4	125.3400	103.2110
5	113.2020	91.3642
6	97.3759	87.9137
7	91.6790	82.1734
8	91.5696	77.6892
9	77.5784	69.1833
10	73.4296	65.8858
11	68.1165	55.2389
12	65.7459	55.2180
13	59.2673	55.1443
14	58.6042	51.4483
15	56.3319	50.7541
16	55.6158	50.7204
17	55.4616	49.3807
18	54.7837	47.7071
19	50.0225	47.5093
20	49.5289	46.4744
21	47.9389	45.2455
22	47.3654	43.5526
23	46.4280	42.5030
24	46.1947	39.1504
25	46.0044	38.9842
26	44.2210	35.6701
27	43.6814	34.2666
28	43.5722	33.4690

29	43.1608	33.2242
30	39.8796	31.9825
31	38.2105	28.7261
32	36.7001	28.6530
33	34.3178	27.4166
34	34.2476	25.4571
35	32.0542	25.4375
36	25.8560	23.3997
37	22.1168	23.1896
38	16.1332	22.4286
39	0.0307	14.3368
40	0.0193	2.1652

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
11.9113	1519	1517	99	Pass
13.0421	1378	1336	96	Pass
14.1729	1255	1190	94	Pass
15.3037	1140	1075	94	Pass
16.4345	1033	978	94	Pass
17.5653	940	886	94	Pass
18.6960	847	798	94	Pass
19.8268	774	722	93	Pass
20.9576	721	674	93	Pass
22.0884	656	628	95	Pass
23.2192	597	571	95	Pass
24.3500	556	527	94	Pass
25.4808	509	485	95	Pass
26.6116	475	448	94	Pass
27.7424	435	408	93	Pass
28.8732	396	371	93	Pass
30.0040	364	339	93	Pass
31.1348	333	309	92	Pass
32.2656	306	281	91	Pass
33.3963	282	261	92	Pass
34.5271	258	240	93	Pass
35.6579	246	223	90	Pass
36.7887	218	201	92	Pass
37.9195	196	187	95	Pass
39.0503	177	172	97	Pass
40.1811	162	159	98	Pass
41.3119	153	143	93	Pass
42.4427	137	130	94	Pass
43.5735	124	116	93	Pass
44.7043	118	112	94	Pass
45.8351	107	100	93	Pass
46.9659	99	95	95	Pass
48.0967	91	84	92	Pass
49.2274	85	77	90	Pass
50.3582	81	74	91	Pass
51.4890	77	65	84	Pass
52.6198	73	59	80	Pass
53.7506	71	56	78	Pass
54.8814	69	54	78	Pass
56.0122	62	42	67	Pass
57.1430	59	41	69	Pass
58.2738	55	38	69	Pass
59.4046	51	37	72	Pass
60.5354	48	37	77	Pass
61.6662	46	35	76	Pass
62.7970	43	32	74	Pass
63.9277	39	29	74	Pass
65.0585	37	27	72	Pass
66.1893	34	26	76	Pass
67.3201	33	25	75	Pass
68.4509	30	24	80	Pass
69.5817	28	23	82	Pass
70.7125	27	22	81	Pass

71.8433	24	22	91	Pass
72.9741	23	22	95	Pass
74.1049	22	22	100	Pass
75.2357	22	21	95	Pass
76.3665	19	20	105	Pass
77.4973	19	20	105	Pass
78.6281	18	18	100	Pass
79.7588	18	18	100	Pass
80.8896	17	17	100	Pass
82.0204	17	17	100	Pass
83.1512	16	15	93	Pass
84.2820	16	14	87	Pass
85.4128	16	14	87	Pass
86.5436	16	14	87	Pass
87.6744	15	14	93	Pass
88.8052	15	12	80	Pass
89.9360	15	12	80	Pass
91.0668	14	12	85	Pass
92.1976	12	10	83	Pass
93.3284	12	10	83	Pass
94.4591	12	10	83	Pass
95.5899	12	10	83	Pass
96.7207	12	10	83	Pass
97.8515	11	9	81	Pass
98.9823	11	9	81	Pass
100.1131	10	9	90	Pass
101.2439	10	9	90	Pass
102.3747	10	9	90	Pass
103.5055	10	8	80	Pass
104.6363	10	8	80	Pass
105.7671	10	8	80	Pass
106.8979	10	8	80	Pass
108.0287	10	7	70	Pass
109.1595	10	7	70	Pass
110.2902	10	7	70	Pass
111.4210	10	7	70	Pass
112.5518	10	7	70	Pass
113.6826	9	6	66	Pass
114.8134	9	5	55	Pass
115.9442	9	5	55	Pass
117.0750	9	5	55	Pass
118.2058	9	3	33	Pass
119.3366	9	3	33	Pass
120.4674	9	3	33	Pass
121.5982	9	3	33	Pass
122.7290	9	3	33	Pass
123.8598	9	3	33	Pass

Model Default Modifications

Total of 0 changes have been made.

PERLND Changes

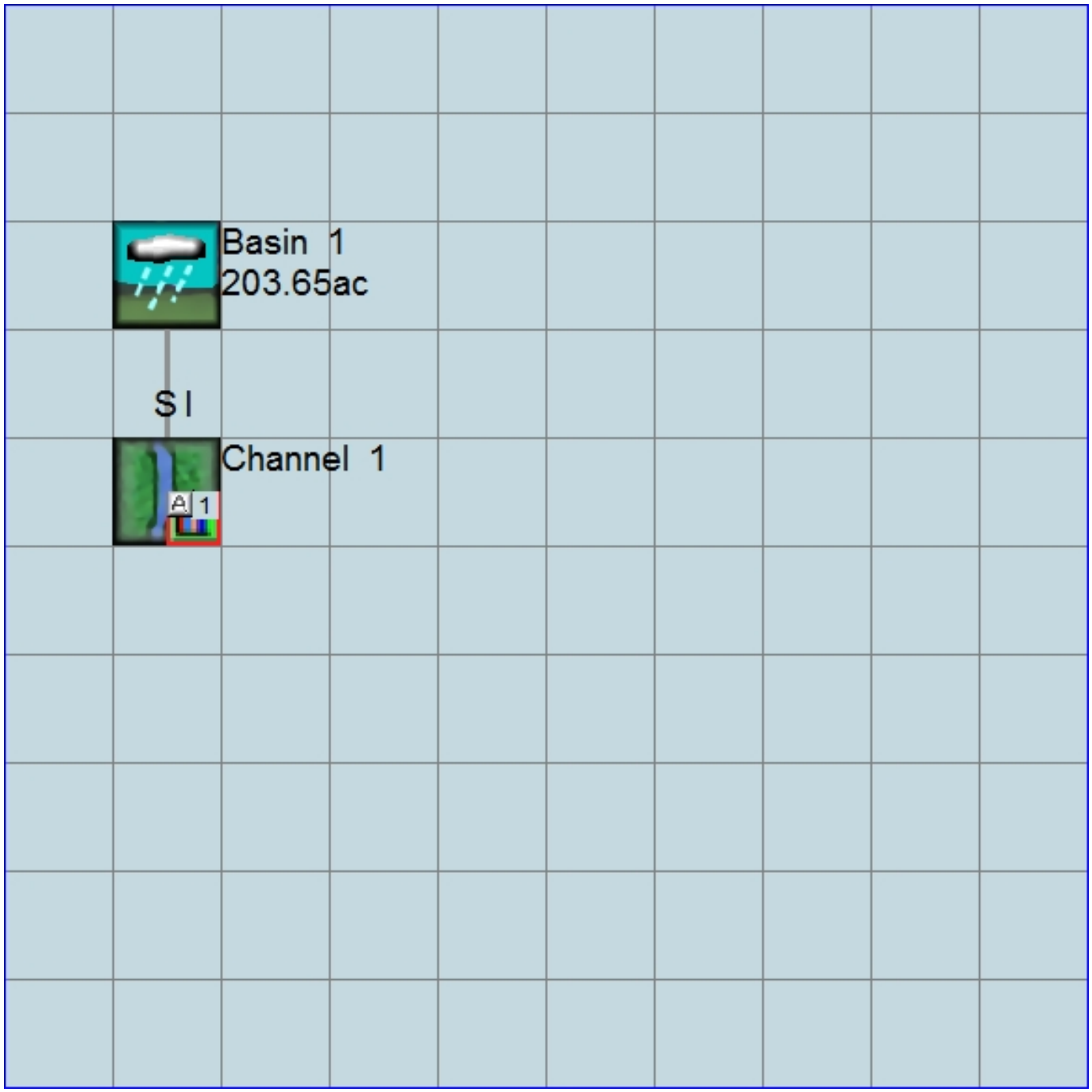
No PERLND changes have been made.

IMPLND Changes

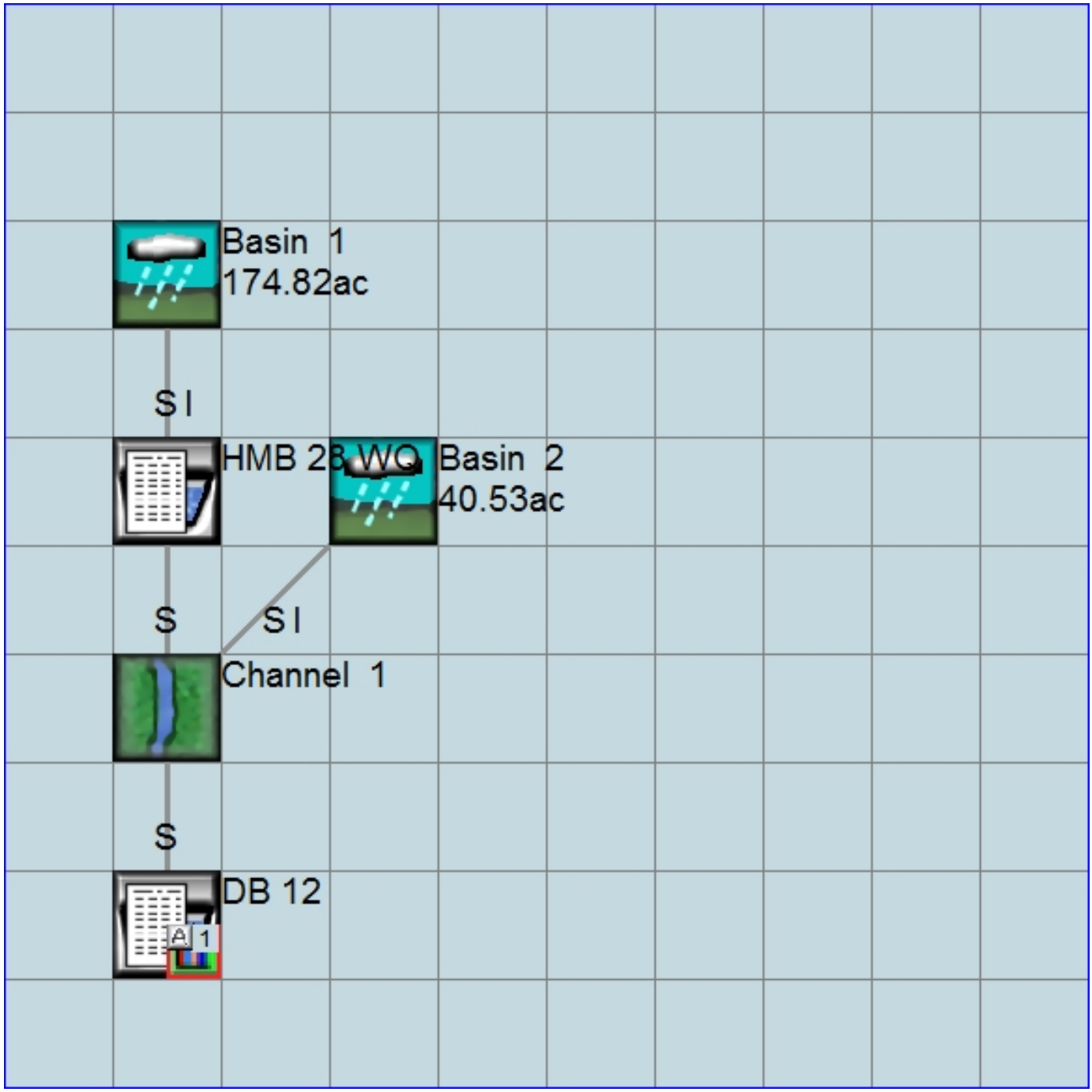
No IMPLND changes have been made.

Appendix

Pre-Project Schematic



Mitigated Schematic



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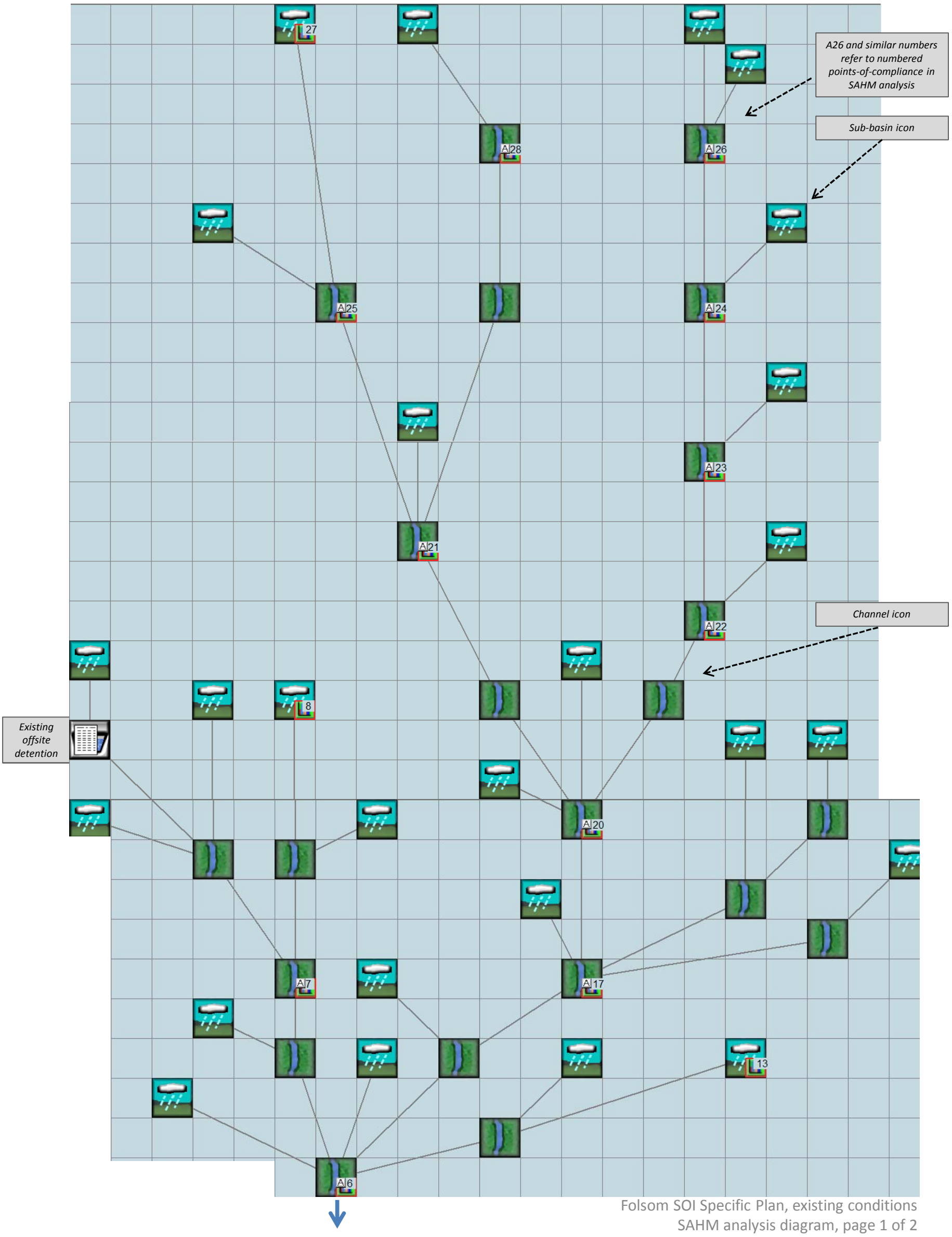
Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

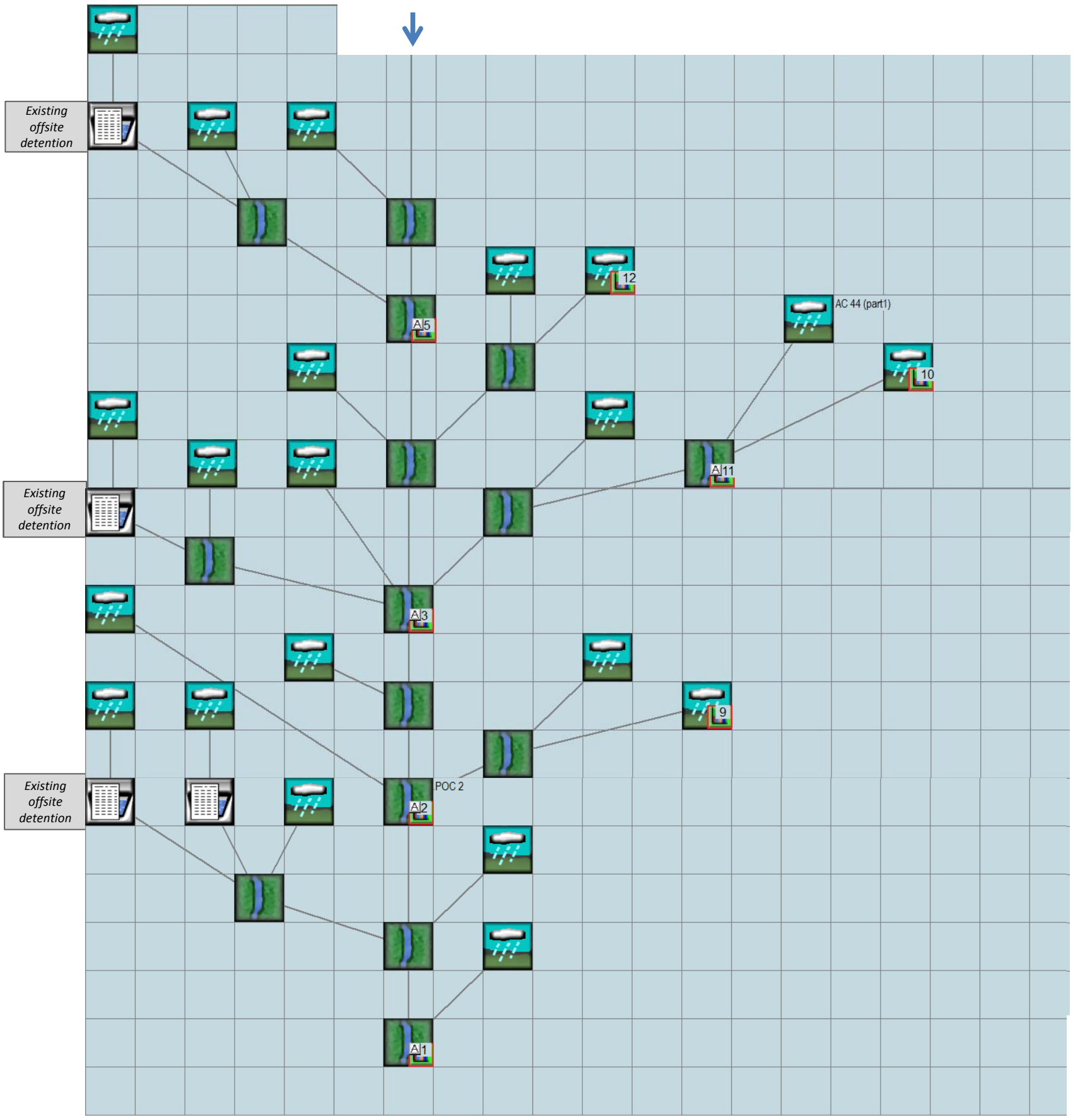
www.clearcreeksolutions.com

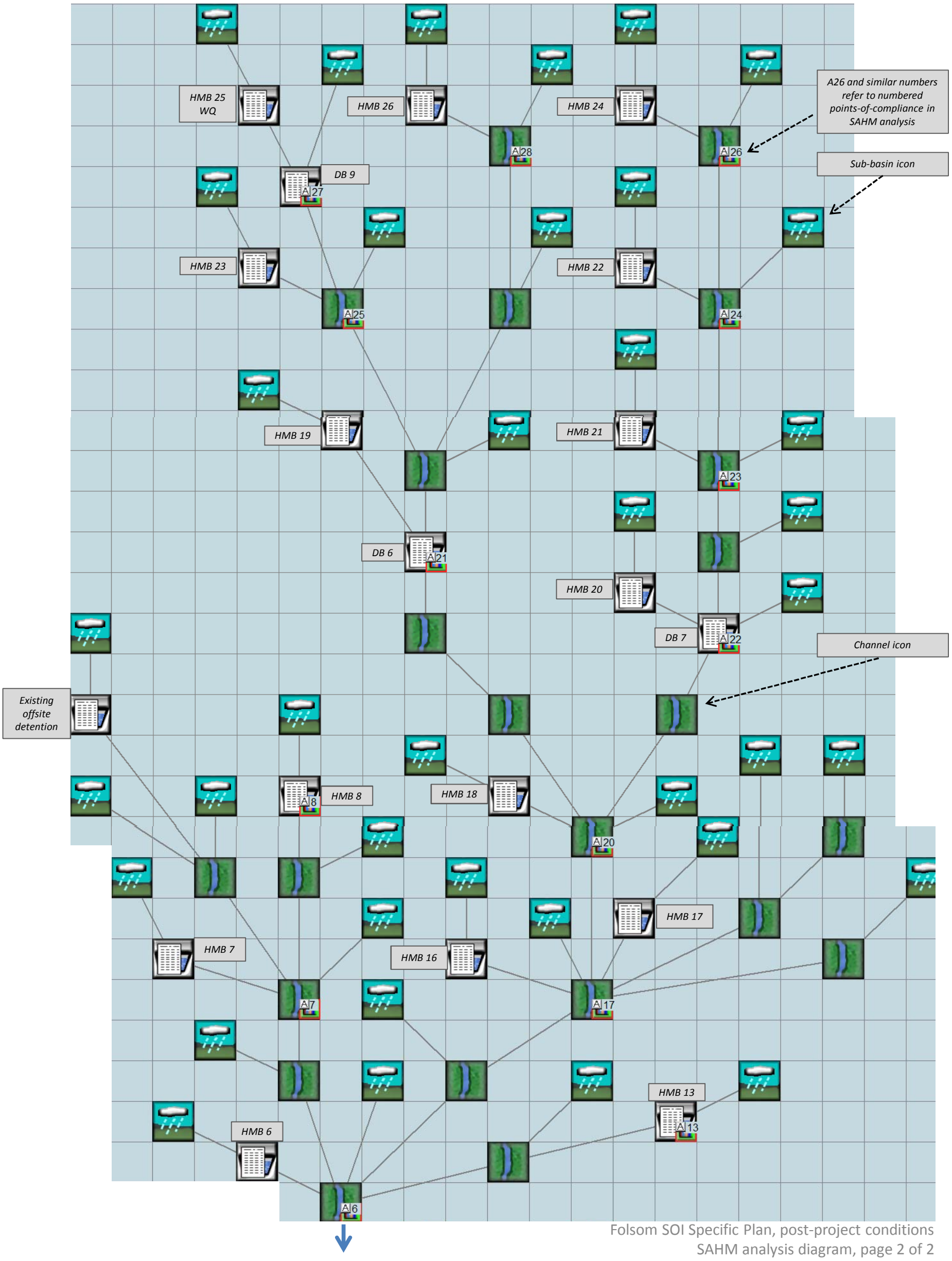
SAHM

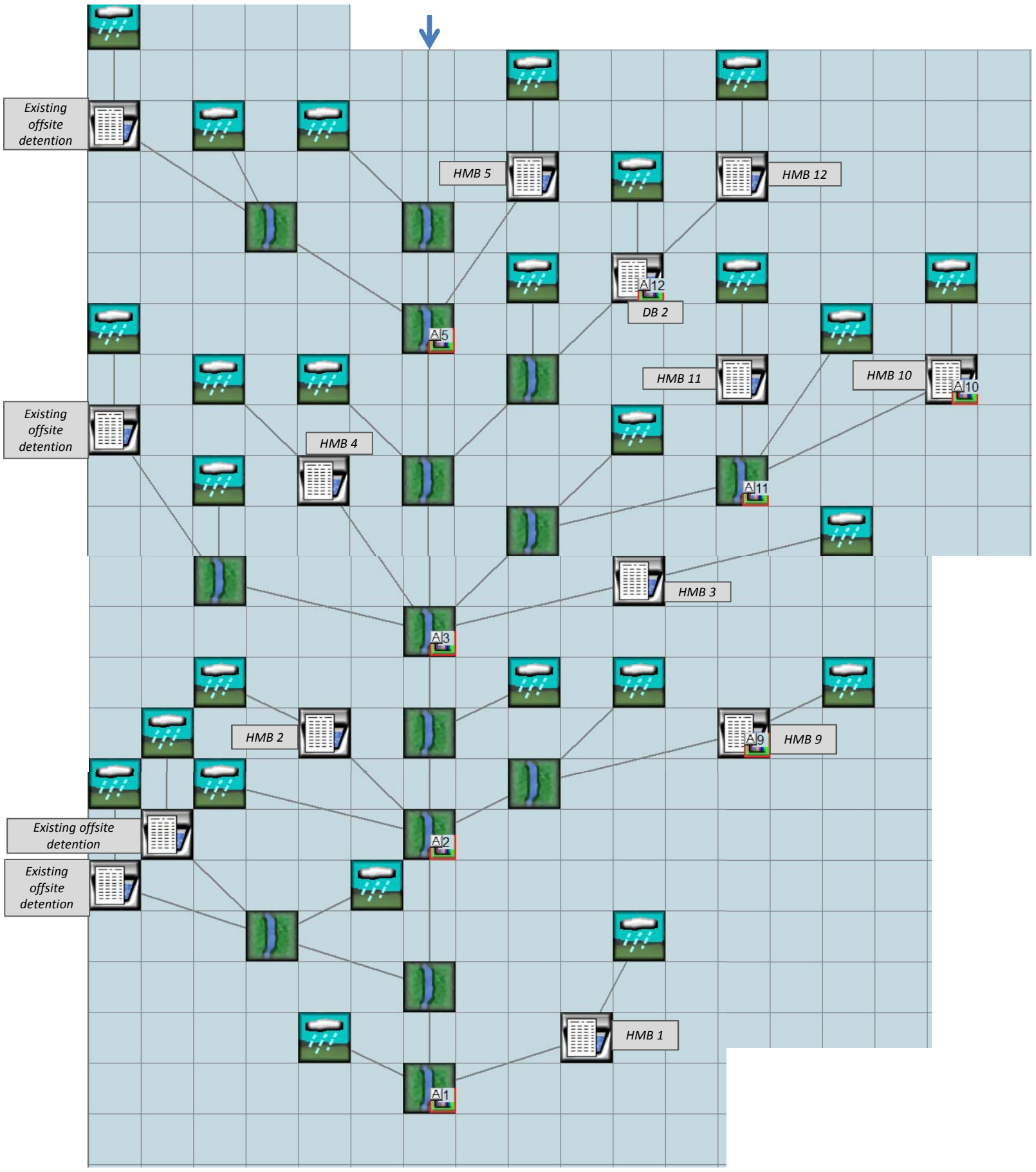
PROJECT REPORT



Folsom SOI Specific Plan, existing conditions
SAHM analysis diagram, page 1 of 2


Existing offsite detention
A5
12
AC 44 (part1)
10
A11
Existing offsite detention
A3
9
Existing offsite detention
POC 2
A2
A1


HMB 25 WQ
HMB 26
HMB 24
A26 and similar numbers refer to numbered points-of-compliance in SAHM analysis
A28
A26
DB 9
A27
Sub-basin icon
HMB 23
HMB 22
A25
A24
HMB 19
HMB 21
A23
DB 6
A21
HMB 20
DB 7
A22
Channel icon
Existing offsite detention
HMB 8
A8
HMB 18
A20
HMB 17
HMB 7
HMB 16
A7
A17
HMB 13
A13
HMB 6
A6


Existing offsite detention
HMB 5
HMB 12
A12
DB 2
A5
HMB 11
HMB 10
A10
Existing offsite detention
HMB 4
A11
HMB 3
A3
HMB 2
A9
HMB 9
Existing offsite detention
A2
Existing offsite detention
HMB 1
A1

General Model Information

Project Name: Folsom SOI_networked_ver 9-10a
Site Name:
Site Address:
City:
Report Date: 11/21/2013
Gage: ORANGEVA
Data Start: 1964/10/01
Data End: 2004/09/30
Timestep: Hourly
Precip Scale: 1.09
Version: 2013/08/23

POC Thresholds

Low Flow Threshold for POC1:	25 Percent of the 2 Year
High Flow Threshold for POC1:	10 Year
Low Flow Threshold for POC2:	25 Percent of the 2 Year
High Flow Threshold for POC2:	10 Year
Low Flow Threshold for POC3:	25 Percent of the 2 Year
High Flow Threshold for POC3:	10 Year
Low Flow Threshold for POC5:	25 Percent of the 2 Year
High Flow Threshold for POC5:	10 Year
Low Flow Threshold for POC6:	25 Percent of the 2 Year
High Flow Threshold for POC6:	10 Year
Low Flow Threshold for POC7:	25 Percent of the 2 Year
High Flow Threshold for POC7:	10 Year
Low Flow Threshold for POC8:	25 Percent of the 2 Year
High Flow Threshold for POC8:	10 Year
Low Flow Threshold for POC9:	25 Percent of the 2 Year
High Flow Threshold for POC9:	10 Year
Low Flow Threshold for POC10:	25 Percent of the 2 Year
High Flow Threshold for POC10:	10 Year

Low Flow Threshold for POC11:	25 Percent of the 2 Year
High Flow Threshold for POC11:	10 Year
Low Flow Threshold for POC12:	25 Percent of the 2 Year
High Flow Threshold for POC12:	10 Year
Low Flow Threshold for POC13:	25 Percent of the 2 Year
High Flow Threshold for POC13:	10 Year
Low Flow Threshold for POC17:	25 Percent of the 2 Year
High Flow Threshold for POC17:	10 Year
Low Flow Threshold for POC20:	25 Percent of the 2 Year
High Flow Threshold for POC20:	10 Year
Low Flow Threshold for POC21:	25 Percent of the 2 Year
High Flow Threshold for POC21:	10 Year
Low Flow Threshold for POC22:	25 Percent of the 2 Year
High Flow Threshold for POC22:	10 Year
Low Flow Threshold for POC23:	25 Percent of the 2 Year
High Flow Threshold for POC23:	10 Year
Low Flow Threshold for POC24:	25 Percent of the 2 Year
High Flow Threshold for POC24:	10 Year
Low Flow Threshold for POC25:	25 Percent of the 2 Year
High Flow Threshold for POC25:	10 Year
Low Flow Threshold for POC26:	25 Percent of the 2 Year
High Flow Threshold for POC26:	10 Year
Low Flow Threshold for POC27:	25 Percent of the 2 Year
High Flow Threshold for POC27:	10 Year
Low Flow Threshold for POC28:	25 Percent of the 2 Year
High Flow Threshold for POC28:	10 Year

Landuse Basin Data

Pre-Project Land Use

AC01 AC03

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	146.09
Pervious Total	146.09

Impervious Land Use	Acres
Impervious Total	0
Basin Total	146.09

Element Flows To:

Surface	Interflow	Groundwater
Channel 1	Channel 1	

AC02

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	13.65
Pervious Total	13.65

Impervious Land Use	Acres
Impervious Total	0
Basin Total	13.65

Element Flows To:

Surface	Interflow	Groundwater
Channel 1	Channel 1	

Off-site and pre- SB 7

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	360.62
Pervious Total	360.62

Impervious Land Use	Acres
Impervious Total	0
Basin Total	360.62

Element Flows To:

Surface	Interflow	Groundwater
POC 24	POC 24	

Basin 4

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	44.24
Pervious Total	44.24

Impervious Land Use	Acres
Impervious Total	0
Basin Total	44.24

Element Flows To:

Surface	Interflow	Groundwater
POC 23	POC 23	

Basin 5

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	209.71
Pervious Total	209.71

Impervious Land Use	Acres
Impervious Total	0
Basin Total	209.71

Element Flows To:

Surface	Interflow	Groundwater
POC 22	POC 22	

Basin 6

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	83.53
Pervious Total	83.53

Impervious Land Use	Acres
Impervious Total	0
Basin Total	83.53

Element Flows To:

Surface	Interflow	Groundwater
POC 28	POC 28	

Basin 7

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,VSteep(>5%)	161.4
Pervious Total	161.4

Impervious Land Use	Acres
Impervious Total	0
Basin Total	161.4

Element Flows To:

Surface	Interflow	Groundwater
POC 25	POC 25	

PP 25

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	28.39
Pervious Total	28.39

Impervious Land Use	Acres
Impervious Total	0
Basin Total	28.39

Element Flows To:

Surface	Interflow	Groundwater
POC 25	POC 25	

PP 21

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	175.37
Pervious Total	175.37

Impervious Land Use	Acres
Impervious Total	0
Basin Total	175.37

Element Flows To:

Surface	Interflow	Groundwater
POC 21	POC 21	

PP 20

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	107.12
Pervious Total	107.12

Impervious Land Use	Acres
Impervious Total	0
Basin Total	107.12

Element Flows To:

Surface	Interflow	Groundwater
POC 20	POC 20	

PP 19

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	36.28
Pervious Total	36.28

Impervious Land Use	Acres
Impervious Total	0
Basin Total	36.28

Element Flows To:

Surface	Interflow	Groundwater
POC 20	POC 20	

PP 18 (AC 21a)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	130.66
Pervious Total	130.66

Impervious Land Use	Acres
Impervious Total	0
Basin Total	130.66

Element Flows To:

Surface	Interflow	Groundwater
SB 18 SF	SB 18 SF	

SB 97 (AC20) offsite

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	409.47
Pervious Total	409.47

Impervious Land Use	Acres
Impervious Total	0
Basin Total	409.47

Element Flows To:

Surface	Interflow	Groundwater
Offsite 97	Offsite 97	

PP 17 (AC 22)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	106.73
Pervious Total	106.73

Impervious Land Use	Acres
Impervious Total	0
Basin Total	106.73

Element Flows To:

Surface	Interflow	Groundwater
SB 17 SF	SB 17 SF	

AC 21B 19

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	18.36
Pervious Total	18.36

Impervious Land Use	Acres
Impervious Total	0
Basin Total	18.36

Element Flows To:

Surface	Interflow	Groundwater
POC 17/18	POC 17/18	

PP 8

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	430.61
Pervious Total	430.61

Impervious Land Use	Acres
Imperv,Steep(2-5%)	8.93
Impervious Total	8.93
Basin Total	439.54

Element Flows To:

Surface	Interflow	Groundwater
Channel 8	Channel 8	

AC 32 (part)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	54.28
Pervious Total	54.28

Impervious Land Use	Acres
Impervious Total	0
Basin Total	54.28

Element Flows To:

Surface	Interflow	Groundwater
Channel 8	Channel 8	

AC 34

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	7.27
Pervious Total	7.27

Impervious Land Use	Acres
Impervious Total	0
Basin Total	7.27

Element Flows To:

Surface	Interflow	Groundwater
NF	NF	

AC 23

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	108.47
Pervious Total	108.47

Impervious Land Use	Acres
Impervious Total	0
Basin Total	108.47

Element Flows To:

Surface	Interflow	Groundwater
SF	SF	

AC 24 (part) 25

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	54.3
Pervious Total	54.3

Impervious Land Use	Acres
Impervious Total	0
Basin Total	54.3

Element Flows To:

Surface	Interflow	Groundwater
Channel 13	Channel 13	

PP 13

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	25.07
Pervious Total	25.07

Impervious Land Use	Acres
Impervious Total	0
Basin Total	25.07

Element Flows To:

Surface	Interflow	Groundwater
Channel 13	Channel 13	

AC 26

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	14.25
Pervious Total	14.25

Impervious Land Use	Acres
Impervious Total	0
Basin Total	14.25

Element Flows To:

Surface	Interflow	Groundwater
POC 6	POC 6	

AC 35 (part)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	59.03
Pervious Total	59.03

Impervious Land Use	Acres
Impervious Total	0
Basin Total	59.03

Element Flows To:

Surface	Interflow	Groundwater
POC 6	POC 6	

SB 102

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	188.16
Pervious Total	188.16

Impervious Land Use	Acres
Imperv,Mod (1-2%)	160.24
Impervious Total	160.24
Basin Total	348.4

Element Flows To:

Surface	Interflow	Groundwater
Off-site 102	Off-site 102	

AC 36 37 35(part)

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	77.93
Pervious Total	77.93

Impervious Land Use	Acres
Imperv,Mod (1-2%)	3.99
Impervious Total	3.99
Basin Total	81.92

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 5	Upstream POC 5	

AC 38

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	10.82
Pervious Total	10.82

Impervious Land Use	Acres
Imperv,Mod (1-2%)	1.72
Impervious Total	1.72
Basin Total	12.54

Element Flows To:

Surface	Interflow	Groundwater
Urban 2	Urban 2	

AC 39

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	111.26
Pervious Total	111.26

Impervious Land Use	Acres
Impervious Total	0
Basin Total	111.26

Element Flows To:

Surface	Interflow	Groundwater
Channel 12	Channel 12	

AC 40 41

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	69.57
Pervious Total	69.57

Impervious Land Use	Acres
Impervious Total	0
Basin Total	69.57

Element Flows To:

Surface	Interflow	Groundwater
Channel 12	Channel 12	

AC 42

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Flat(0-1%)	4.95
D,Grass,Flat(0-1%)	13.22
Pervious Total	18.17

Impervious Land Use	Acres
Impervious Total	0
Basin Total	18.17

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 3/4	Upstream POC 3/4	

AC 45

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Mod (1-2%)	13.52
D,Grass,Mod (1-2%)	6.74
Pervious Total	20.26

Impervious Land Use	Acres
Impervious Total	0
Basin Total	20.26

Element Flows To:

Surface	Interflow	Groundwater
POC 3/4	POC 3/4	

AC 46

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	1.21
D,Grass,Flat(0-1%)	13.02
Pervious Total	14.23

Impervious Land Use	Acres
Imperv,Flat(0-1%)	1.51
Impervious Total	1.51
Basin Total	15.74

Element Flows To:

Surface	Interflow	Groundwater
Urban 3	Urban 3	

AC 43

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Flat(0-1%)	25.64
D,Grass,Flat(0-1%)	81.62
Pervious Total	107.26

Impervious Land Use	Acres
Impervious Total	0
Basin Total	107.26

Element Flows To:

Surface	Interflow	Groundwater
POC 11	POC 11	

AC 44 (part2)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Steep(2-5%)	0.41
D,Grass,Steep(2-5%)	15.08
Pervious Total	15.49

Impervious Land Use	Acres
Impervious Total	0
Basin Total	15.49

Element Flows To:

Surface	Interflow	Groundwater
SF POC 3/4	SF POC 3/4	

AC 44 (part1)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Steep(2-5%)	2.86
D,Grass,Steep(2-5%)	27.83
Pervious Total	30.69

Impervious Land Use	Acres
Impervious Total	0
Basin Total	30.69

Element Flows To:

Surface	Interflow	Groundwater
POC 11	POC 11	

AC 47 part 2

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	9.51
C,Grass,Steep(2-5%)	10.01
Pervious Total	19.52

Impervious Land Use	Acres
Impervious Total	0
Basin Total	19.52

Element Flows To:

Surface	Interflow	Groundwater
Trib 9	Trib 9	

PP 9

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Grass,Steep(2-5%)	1.66
C,Grass,Steep(2-5%)	14.02
Pervious Total	15.68

Impervious Land Use	Acres
Impervious Total	0
Basin Total	15.68

Element Flows To:

Surface	Interflow	Groundwater
Trib 9	Trib 9	

AC 47 part 3

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	11.12
C,Grass,Mod (1-2%)	35.05
Pervious Total	46.17

Impervious Land Use	Acres
Imperv,Mod (1-2%)	1.51
Impervious Total	1.51
Basin Total	47.68

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 2	Upstream POC 2	

AC 48 (part)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	26.47
D,Grass,Flat(0-1%)	6.02
Pervious Total	32.49

Impervious Land Use	Acres
Imperv,Flat(0-1%)	6.62
Impervious Total	6.62
Basin Total	39.11

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 1	Upstream POC 1	

AC 48 (part 2)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Mod (1-2%)	26.48
D,Grass,Mod (1-2%)	6.02
Pervious Total	32.5

Impervious Land Use	Acres
Impervious Total	0
Basin Total	32.5

Element Flows To:

Surface	Interflow	Groundwater
POC 1	POC 1	

Basin 44

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	153.03
Pervious Total	153.03

Impervious Land Use	Acres
Impervious Total	0
Basin Total	153.03

Element Flows To:

Surface	Interflow	Groundwater
Urban 1	Urban 1	

SB 104

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	16.7
Pervious Total	16.7

Impervious Land Use	Acres
Imperv,Mod (1-2%)	12.67
Impervious Total	12.67
Basin Total	29.37

Element Flows To:

Surface	Interflow	Groundwater
Urban 1	Urban 1	

SB 105

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	80.76
Pervious Total	80.76

Impervious Land Use	Acres
Imperv,Mod (1-2%)	276.25
Impervious Total	276.25
Basin Total	357.01

Element Flows To:

Surface	Interflow	Groundwater
Off-site 105	Off-site 105	

SB 103

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	437.79
Pervious Total	437.79

Impervious Land Use	Acres
Imperv,Mod (1-2%)	604.61
Impervious Total	604.61
Basin Total	1042.4

Element Flows To:

Surface	Interflow	Groundwater
Off-site 103	Off-site 103	

Off-site 98

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	1.89
Pervious Total	1.89

Impervious Land Use	Acres
Imperv,Mod (1-2%)	17.01
Impervious Total	17.01
Basin Total	18.9

Element Flows To:

Surface	Interflow	Groundwater
POC 2	POC 2	

SB 99

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	6.49
Pervious Total	6.49

Impervious Land Use	Acres
Imperv,Mod (1-2%)	1.01
Impervious Total	1.01
Basin Total	7.5

Element Flows To:

Surface	Interflow	Groundwater
Urban 4	Urban 4	

SB 100

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	3.51
Pervious Total	3.51

Impervious Land Use	Acres
Imperv,Mod (1-2%)	21.89
Impervious Total	21.89
Basin Total	25.4

Element Flows To:

Surface	Interflow	Groundwater
Urban 100	Urban 100	

SB 101

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	3.14
Pervious Total	3.14

Impervious Land Use	Acres
Imperv,Mod (1-2%)	3.14
Impervious Total	3.14
Basin Total	6.28

Element Flows To:

Surface	Interflow	Groundwater
Urban 101	Urban 101	

Mitigated Land Use

SB 21

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	13.25
D,Urban,Steep(2-5%)	69.15
Pervious Total	82.4

Impervious Land Use	Acres
Imperv,Steep(2-5%)	47.85
Impervious Total	47.85
Basin Total	130.25

Element Flows To:

Surface	Interflow	Groundwater
HMB 24 (was 26)	HMB 24 (was 26)	

Open space

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	30.73
Pervious Total	30.73

Impervious Land Use	Acres
Impervious Total	0
Basin Total	30.73

Element Flows To:

Surface	Interflow	Groundwater
POC 26	POC 26	

SB 7

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Steep(2-5%)	49.36
D,Grass,Steep(2-5%)	6.15
Pervious Total	55.51

Impervious Land Use	Acres
Imperv,Steep(2-5%)	46.69
Impervious Total	46.69
Basin Total	102.2

Element Flows To:

Surface	Interflow	Groundwater
HMB 22 (was 24)	HMB 22 (was 24)	

Basin 4

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	252.32
Pervious Total	252.32

Impervious Land Use	Acres
Impervious Total	0
Basin Total	252.32

Element Flows To:

Surface	Interflow	Groundwater
POC 24	POC 24	

SB 8

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	3.13
D,Grass,Mod (1-2%)	0.47
Pervious Total	3.6

Impervious Land Use	Acres
Imperv,Mod (1-2%)	4.75
Impervious Total	4.75
Basin Total	8.35

Element Flows To:

Surface	Interflow	Groundwater
HMB 21 (was 23)	HMB 21 (was 23)	

SB 57 (partial)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	5.38
Pervious Total	5.38

Impervious Land Use	Acres
Impervious Total	0
Basin Total	5.38

Element Flows To:

Surface	Interflow	Groundwater
POC 23	POC 23	

SB 22

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	74.08
D,Grass,Mod (1-2%)	15.14
Pervious Total	89.22

Impervious Land Use	Acres
Imperv,Mod (1-2%)	88.98
Impervious Total	88.98
Basin Total	178.2

Element Flows To:

Surface	Interflow	Groundwater
HMB 20 (was 22)	HMB 20 (was 22)	

SB 57 (partial)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	14.19
Pervious Total	14.19

Impervious Land Use	Acres
Impervious Total	0
Basin Total	14.19

Element Flows To:

Surface	Interflow	Groundwater
DB 7 (was 8)	DB 7 (was 8)	

Offsite (SB 94 95 96)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	71.54
Pervious Total	71.54

Impervious Land Use	Acres
Impervious Total	0
Basin Total	71.54

Element Flows To:

Surface	Interflow	Groundwater
POC 22	POC 22	

SB 17

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Steep(2-5%)	44.03
D,Grass,Steep(2-5%)	6.47
Pervious Total	50.5

Impervious Land Use	Acres
Imperv,Steep(2-5%)	21.85
Impervious Total	21.85
Basin Total	72.35

Element Flows To:

Surface	Interflow	Groundwater
HMB 26 (was 28)	HMB 26 (was 28)	

SB 58

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	18.44
Pervious Total	18.44

Impervious Land Use	Acres
Impervious Total	0
Basin Total	18.44

Element Flows To:

Surface	Interflow	Groundwater
POC 28	POC 28	

SB 6

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,VSteep(>5%)	38.63
D,Grass,VSteep(>5%)	11.55
Pervious Total	50.18

Impervious Land Use	Acres
Imperv,VSteep(>5%)	66.69
Impervious Total	66.69
Basin Total	116.87

Element Flows To:

Surface	Interflow	Groundwater
HMB 25 (was 27)	HMB 25 (was 27)	

SB 28

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Steep(2-5%)	5.02
D,Grass,Steep(2-5%)	24.93
Pervious Total	29.95

Impervious Land Use	Acres
Imperv,Steep(2-5%)	9.39
Impervious Total	9.39
Basin Total	39.34

Element Flows To:

Surface	Interflow	Groundwater
HMB 23 (was 25)	HMB 23 (was 25)	

SB 69 83

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	7.51
Pervious Total	7.51

Impervious Land Use	Acres
Impervious Total	0
Basin Total	7.51

Element Flows To:

Surface	Interflow	Groundwater
POC 25	POC 25	

SB 47

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	14.74
Pervious Total	14.74

Impervious Land Use	Acres
Impervious Total	0
Basin Total	14.74

Element Flows To:

Surface	Interflow	Groundwater
POC 21	POC 21	

SB 48 62 70 85

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	30.86
Pervious Total	30.86

Impervious Land Use	Acres
Impervious Total	0
Basin Total	30.86

Element Flows To:

Surface	Interflow	Groundwater
POC 20	POC 20	

SB 5

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	31.39
D,Grass,Mod (1-2%)	13.35
Pervious Total	44.74

Impervious Land Use	Acres
Imperv,Mod (1-2%)	38.65
Impervious Total	38.65
Basin Total	83.39

Element Flows To:

Surface	Interflow	Groundwater
HMB 18 (was 19 and 20)	HMB 18 (was 19 and 20)	

Basin 20

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	409.47
Pervious Total	409.47

Impervious Land Use	Acres
Impervious Total	0
Basin Total	409.47

Element Flows To:

Surface	Interflow	Groundwater
Offsite 97	Offsite 97	

SB 19

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	42.13
D,Grass,Mod (1-2%)	2.33
Pervious Total	44.46

Impervious Land Use	Acres
Imperv,Mod (1-2%)	46.65
Impervious Total	46.65
Basin Total	91.11

Element Flows To:

Surface	Interflow	Groundwater
HMB 17 (was 18)	HMB 17 (was 18)	

SB 61

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	34.49
Pervious Total	34.49

Impervious Land Use	Acres
Impervious Total	0
Basin Total	34.49

Element Flows To:

Surface	Interflow	Groundwater
SB 18 SF	SB 18 SF	

SB 71 74 43

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	38.53
Pervious Total	38.53

Impervious Land Use	Acres
Impervious Total	0
Basin Total	38.53

Element Flows To:

Surface	Interflow	Groundwater
SB 17 SF	SB 17 SF	

SB 51 52

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	12.55
Pervious Total	12.55

Impervious Land Use	Acres
Impervious Total	0
Basin Total	12.55

Element Flows To:

Surface	Interflow	Groundwater
POC 17/18	POC 17/18	

SB 9

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	51.68
D,Grass,Mod (1-2%)	9.96
Pervious Total	61.64

Impervious Land Use	Acres
Imperv,Mod (1-2%)	53.08
Impervious Total	53.08
Basin Total	114.72

Element Flows To:

Surface	Interflow	Groundwater
HMB 16 (was 17)	HMB 16 (was 17)	

SB 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Steep(2-5%)	97.16
D,Grass,Steep(2-5%)	45.43
Pervious Total	142.59

Impervious Land Use	Acres
Imperv,Steep(2-5%)	325.6
Impervious Total	325.6
Basin Total	468.19

Element Flows To:

Surface	Interflow	Groundwater
HMB 8b	HMB 8b	

SB 86

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	5.75
Pervious Total	5.75

Impervious Land Use	Acres
Impervious Total	0
Basin Total	5.75

Element Flows To:

Surface	Interflow	Groundwater
POC 7	POC 7	

SB 4

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	7.68
D,Grass,Mod (1-2%)	1.57
Pervious Total	9.25

Impervious Land Use	Acres
Imperv,Mod (1-2%)	2.59
Impervious Total	2.59
Basin Total	11.84

Element Flows To:

Surface	Interflow	Groundwater
HMB 7	HMB 7	

SB 41 42

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	5.69
Pervious Total	5.69

Impervious Land Use	Acres
Impervious Total	0
Basin Total	5.69

Element Flows To:

Surface	Interflow	Groundwater
Urban 1	Urban 1	

SB 75 35

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	36.37
Pervious Total	36.37

Impervious Land Use	Acres
Impervious Total	0
Basin Total	36.37

Element Flows To:

Surface	Interflow	Groundwater
Channel 13	Channel 13	

SB 26

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	12.15
D,Grass,Mod (1-2%)	2.1
Pervious Total	14.25

Impervious Land Use	Acres
Imperv,Mod (1-2%)	10.18
Impervious Total	10.18
Basin Total	24.43

Element Flows To:

Surface	Interflow	Groundwater
HMB 13	HMB 13	

SB 84

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	71.8
Pervious Total	71.8

Impervious Land Use	Acres
Impervious Total	0
Basin Total	71.8

Element Flows To:

Surface	Interflow	Groundwater
SF	SF	

SB 54

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	6.82
Pervious Total	6.82

Impervious Land Use	Acres
Impervious Total	0
Basin Total	6.82

Element Flows To:

Surface	Interflow	Groundwater
NF	NF	

SB 16

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	29.89
D,Grass,Mod (1-2%)	5.43
Pervious Total	35.32

Impervious Land Use	Acres
Imperv,Mod (1-2%)	85.24
Impervious Total	85.24
Basin Total	120.56

Element Flows To:

Surface	Interflow	Groundwater
HMB 6	HMB 6	

SB 55

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	18.02
Pervious Total	18.02

Impervious Land Use	Acres
Impervious Total	0
Basin Total	18.02

Element Flows To:

Surface	Interflow	Groundwater
Channel 8	Channel 8	

SB 53 88

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	14.29
D,Grass,Flat(0-1%)	44.52
Pervious Total	58.81

Impervious Land Use	Acres
Impervious Total	0
Basin Total	58.81

Element Flows To:

Surface	Interflow	Groundwater
POC 6	POC 6	

SB 23 111

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	12.06
D,Urban,Mod (1-2%)	8.01
Pervious Total	20.07

Impervious Land Use	Acres
Imperv,Mod (1-2%)	12.28
Impervious Total	12.28
Basin Total	32.35

Element Flows To:

Surface	Interflow	Groundwater
HMB 5	HMB 5	

SB 79 90 80

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	75.72
Pervious Total	75.72

Impervious Land Use	Acres
Impervious Total	0
Basin Total	75.72

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 5	Upstream POC 5	

SB 34

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	22.67
Pervious Total	22.67

Impervious Land Use	Acres
Impervious Total	0
Basin Total	22.67

Element Flows To:

Surface	Interflow	Groundwater
DB 2	DB 2	

SB 27

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	50.67
D,Grass,Mod (1-2%)	3.96
Pervious Total	54.63

Impervious Land Use	Acres
Imperv,Mod (1-2%)	27.63
Impervious Total	27.63
Basin Total	82.26

Element Flows To:

Surface	Interflow	Groundwater
HMB 12	HMB 12	

SB 30

Bypass: No

GroundWater: No

Pervious Land Use	Acres
C,Urban,Mod (1-2%)	0.31
D,Urban,Mod (1-2%)	0.81
C,Grass,Mod (1-2%)	1.4
D,Grass,Mod (1-2%)	0.16
Pervious Total	2.68

Impervious Land Use	Acres
Imperv,Mod (1-2%)	10.18
Impervious Total	10.18

Basin Total 12.86

Element Flows To:

Surface	Interflow	Groundwater
HMB 4	HMB 4	

SB 50 (part 2)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	11.79
Pervious Total	11.79

Impervious Land Use	Acres
Impervious Total	0
Basin Total	11.79

Element Flows To:

Surface	Interflow	Groundwater
SF POC 3/4	SF POC 3/4	

SB 29

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	10.87
Pervious Total	10.87

Impervious Land Use	Acres
Imperv,Mod (1-2%)	3.62
Impervious Total	3.62
Basin Total	14.49

Element Flows To:

Surface	Interflow	Groundwater
HMB 11	HMB 11	

SB 25

Bypass: No

GroundWater: No

Pervious Land Use	Acres
B,Grass,Flat(0-1%)	24.11
B,Urban,Flat(0-1%)	3.73
C,Urban,Flat(0-1%)	0.05
D,Grass,Flat(0-1%)	10.93
D,Urban,Flat(0-1%)	39.69
Pervious Total	78.51

Impervious Land Use	Acres
Imperv,Flat(0-1%)	21.86
Impervious Total	21.86

Basin Total 100.37

Element Flows To:

Surface	Interflow	Groundwater
HMB 10	HMB 10	

SB 3

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Steep(2-5%)	9.91
D,Urban,Steep(2-5%)	4.04
C,Grass,Steep(2-5%)	2.93
D,Grass,Steep(2-5%)	2.1
Pervious Total	18.98

Impervious Land Use	Acres
Imperv,Steep(2-5%)	11.32
Impervious Total	11.32
Basin Total	30.3

Element Flows To:

Surface	Interflow	Groundwater
HMB 3	HMB 3	

SB 112 76 89 56 49

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	73.24
Pervious Total	73.24

Impervious Land Use	Acres
Impervious Total	0
Basin Total	73.24

Element Flows To:

Surface	Interflow	Groundwater
Channel 12	Channel 12	

SB 50 (part1)

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Steep(2-5%)	15.9
Pervious Total	15.9

Impervious Land Use	Acres
Impervious Total	0
Basin Total	15.9

Element Flows To:

Surface	Interflow	Groundwater
POC 11	POC 11	

SB 91 40 73

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	13.23
D,Grass,Flat(0-1%)	12.16
Pervious Total	25.39

Impervious Land Use	Acres
Impervious Total	0
Basin Total	25.39

Element Flows To:

Surface	Interflow	Groundwater
Upstream POC 3/4	Upstream POC 3/4	

SB 81

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Grass,Mod (1-2%)	8.17
Pervious Total	8.17

Impervious Land Use	Acres
Imperv,Flat(0-1%)	1.59
Impervious Total	1.59
Basin Total	9.76

Element Flows To:

Surface	Interflow	Groundwater
Urban 2	Urban 2	

SB 44 37

Bypass: No

GroundWater: No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	0.55
D,Grass,Flat(0-1%)	7.92
Pervious Total	8.47

Impervious Land Use	Acres
Imperv,Flat(0-1%)	1.51
Impervious Total	1.51
Basin Total	9.98

Element Flows To:

Surface	Interflow	Groundwater
Urban 3	Urban 3	

SB 2

Bypass: No

GroundWater: No

Pervious Land Use	Acres
C,Urban,Mod (1-2%)	0.53
D,Grass,Mod (1-2%)	0.27
D,Urban,Mod (1-2%)	1.17
C,Grass,Mod (1-2%)	0.11
Pervious Total	2.08

Impervious Land Use	Acres
Imperv,Mod (1-2%)	15.27
Impervious Total	15.27
Basin Total	17.35

Element Flows To:

Surface	Interflow	Groundwater
HMB 2	HMB 2	

SB 38

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,Flat(0-1%)	0.36
C,Grass,Flat(0-1%)	14.08
Pervious Total	14.44

Impervious Land Use	Acres
Impervious Total	0
Basin Total	14.44

Element Flows To:

Surface	Interflow	Groundwater
upstream POC 2	upstream POC 2	

SB 78

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	15.88
D,Grass,Flat(0-1%)	10.26
Pervious Total	26.14

Impervious Land Use	Acres
Imperv,Flat(0-1%)	6.14
Impervious Total	6.14
Basin Total	32.28

Element Flows To:

Surface	Interflow	Groundwater
POC 1	POC 1	

SB 72 39

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Grass,Flat(0-1%)	6.52
C,Grass,Steep(2-5%)	7.36
Pervious Total	13.88

Impervious Land Use	Acres
Impervious Total	0
Basin Total	13.88

Element Flows To:

Surface	Interflow	Groundwater
Trib 9	Trib 9	

HMB 1

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
B,Urban,Steep(2-5%)	0.07
C,Urban,Steep(2-5%)	8.65
D,Urban,Steep(2-5%)	0.19
B,Grass,Steep(2-5%)	3.48
C,Grass,Steep(2-5%)	1.55
Pervious Total	13.94

Impervious Land Use	Acres
Imperv,Steep(2-5%)	3.08
Impervious Total	3.08
Basin Total	17.02

Element Flows To:

Surface	Interflow	Groundwater
HMB 9	HMB 9	

Urban 104

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	16.7
Pervious Total	16.7

Impervious Land Use	Acres
Imperv,Mod (1-2%)	12.67
Impervious Total	12.67
Basin Total	29.37

Element Flows To:

Surface	Interflow	Groundwater
Urban 1	Urban 1	

Off-site 105

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	80.76
Pervious Total	80.76

Impervious Land Use	Acres
Imperv,Mod (1-2%)	276.25
Impervious Total	276.25
Basin Total	357.01

Element Flows To:

Surface	Interflow	Groundwater
Urban 105	Urban 105	

Off-site 103

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	437.79
Pervious Total	437.79

Impervious Land Use	Acres
Imperv,Mod (1-2%)	604.61
Impervious Total	604.61
Basin Total	1042.4

Element Flows To:

Surface	Interflow	Groundwater
Urban 103	Urban 103	

SB 102

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	188.16
Pervious Total	188.16

Impervious Land Use	Acres
Imperv,Mod (1-2%)	160.24
Impervious Total	160.24
Basin Total	348.4

Element Flows To:

Surface	Interflow	Groundwater
Urban 102	Urban 102	

SB 98 110 (urban)

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	1.89
C,Urban,Flat(0-1%)	0.03
D,Urban,Flat(0-1%)	0.1
C,Grass,Flat(0-1%)	1.16
D,Grass,Flat(0-1%)	0.5
Pervious Total	3.68

Impervious Land Use	Acres
Imperv,Flat(0-1%)	1.21
Imperv,Mod (1-2%)	17.01
Impervious Total	18.22
Basin Total	21.9

Element Flows To:

Surface	Interflow	Groundwater
POC 2	POC 2	

SB 99

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	1.01
Pervious Total	1.01

Impervious Land Use	Acres
Imperv,Mod (1-2%)	6.49
Impervious Total	6.49
Basin Total	7.5

Element Flows To:

Surface	Interflow	Groundwater
Urban 4	Urban 4	

SB 101

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	3.14
Pervious Total	3.14

Impervious Land Use	Acres
Imperv,Mod (1-2%)	16.56
Impervious Total	16.56
Basin Total	19.7

Element Flows To:

Surface	Interflow	Groundwater
Urban 101	Urban 101	

SB 100

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	3.51
Pervious Total	3.51

Impervious Land Use	Acres
Imperv,Mod (1-2%)	21.89
Impervious Total	21.89
Basin Total	25.4

Element Flows To:

Surface	Interflow	Groundwater
Urban 100	Urban 100	

SB31

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Mod (1-2%)	4.05
C,Grass,Mod (1-2%)	12.84
D,Urban,Mod (1-2%)	0.66
D,Grass,Mod (1-2%)	2.82
Pervious Total	20.37

Impervious Land Use	Acres
Imperv,Mod (1-2%)	38.87
Impervious Total	38.87
Basin Total	59.24

Element Flows To:

Surface	Interflow	Groundwater
HMB One	HMB One	

SB 59

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
D,Grass,VSteep(>5%)	30.03
Pervious Total	30.03

Impervious Land Use	Acres
Impervious Total	0
Basin Total	30.03

Element Flows To:

Surface	Interflow	Groundwater
DB 9 (was 10)	DB 9 (was 10)	

SB 36

Bypass: No

GroundWater: No

Pervious Land Use	Acres
D,Urban,Mod (1-2%)	48.07
D,Grass,Mod (1-2%)	5.89
Pervious Total	53.96

Impervious Land Use	Acres
Imperv,Mod (1-2%)	104.21
Impervious Total	104.21
Basin Total	158.17

Element Flows To:

Surface	Interflow	Groundwater
HMB 19 WQ (was 21)	HMB 19 WQ (was 21)	

SB 46

Bypass:	No
GroundWater:	No

Pervious Land Use	Acres
C,Urban,Steep(2-5%)	10.53
Pervious Total	10.53

Impervious Land Use	Acres
Impervious Total	0
Basin Total	10.53

Element Flows To:

Surface	Interflow	Groundwater
POC 21 SF	POC 21 SF	

Routing Elements

Pre-Project Routing

Channel 1

Bottom Length: 1850.00 ft.
Bottom Width: 11.00 ft.
Manning's n: 0.03
Channel bottom slope 1: 0.034 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 24

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.467	0.000	0.000	0.000
0.0222	0.468	0.010	0.176	0.000
0.0444	0.469	0.020	0.560	0.000
0.0667	0.470	0.031	1.099	0.000
0.0889	0.470	0.041	1.774	0.000
0.1111	0.471	0.052	2.570	0.000
0.1333	0.472	0.062	3.478	0.000
0.1556	0.473	0.073	4.491	0.000
0.1778	0.474	0.083	5.604	0.000
0.2000	0.475	0.094	6.811	0.000
0.2222	0.476	0.104	8.109	0.000
0.2444	0.477	0.115	9.494	0.000
0.2667	0.478	0.126	10.96	0.000
0.2889	0.479	0.136	12.51	0.000
0.3111	0.480	0.147	14.14	0.000
0.3333	0.481	0.158	15.84	0.000
0.3556	0.482	0.168	17.62	0.000
0.3778	0.483	0.179	19.47	0.000
0.4000	0.484	0.190	21.39	0.000
0.4222	0.485	0.201	23.38	0.000
0.4444	0.486	0.211	25.44	0.000
0.4667	0.487	0.222	27.57	0.000
0.4889	0.487	0.233	29.76	0.000
0.5111	0.488	0.244	32.01	0.000
0.5333	0.489	0.255	34.33	0.000
0.5556	0.490	0.266	36.71	0.000
0.5778	0.491	0.277	39.15	0.000
0.6000	0.492	0.288	41.64	0.000
0.6222	0.493	0.298	44.20	0.000
0.6444	0.494	0.309	46.82	0.000
0.6667	0.495	0.320	49.49	0.000
0.6889	0.496	0.331	52.21	0.000
0.7111	0.497	0.343	55.00	0.000
0.7333	0.498	0.354	57.83	0.000
0.7556	0.499	0.365	60.72	0.000
0.7778	0.500	0.376	63.67	0.000

0.8000	0.501	0.387	66.66	0.000
0.8222	0.502	0.398	69.71	0.000
0.8444	0.503	0.409	72.81	0.000
0.8667	0.504	0.420	75.96	0.000
0.8889	0.504	0.432	79.16	0.000
0.9111	0.505	0.443	82.41	0.000
0.9333	0.506	0.454	85.71	0.000
0.9556	0.507	0.465	89.05	0.000
0.9778	0.508	0.477	92.45	0.000
1.0000	0.509	0.488	95.89	0.000
1.0222	0.510	0.499	99.38	0.000
1.0444	0.511	0.511	102.9	0.000
1.0667	0.512	0.522	106.5	0.000
1.0889	0.513	0.533	110.1	0.000
1.1111	0.514	0.545	113.8	0.000
1.1333	0.515	0.556	117.5	0.000
1.1556	0.516	0.568	121.2	0.000
1.1778	0.517	0.579	125.0	0.000
1.2000	0.518	0.591	128.9	0.000
1.2222	0.519	0.602	132.8	0.000
1.2444	0.520	0.614	136.7	0.000
1.2667	0.521	0.625	140.7	0.000
1.2889	0.521	0.637	144.7	0.000
1.3111	0.522	0.649	148.8	0.000
1.3333	0.523	0.660	152.9	0.000
1.3556	0.524	0.672	157.1	0.000
1.3778	0.525	0.684	161.3	0.000
1.4000	0.526	0.695	165.5	0.000
1.4222	0.527	0.707	169.8	0.000
1.4444	0.528	0.719	174.1	0.000
1.4667	0.529	0.730	178.4	0.000
1.4889	0.530	0.742	182.8	0.000
1.5111	0.531	0.754	187.3	0.000
1.5333	0.532	0.766	191.7	0.000
1.5556	0.533	0.778	196.2	0.000
1.5778	0.534	0.790	200.8	0.000
1.6000	0.535	0.801	205.4	0.000
1.6222	0.536	0.813	210.0	0.000
1.6444	0.537	0.825	214.7	0.000
1.6667	0.538	0.837	219.4	0.000
1.6889	0.538	0.849	224.1	0.000
1.7111	0.539	0.861	228.9	0.000
1.7333	0.540	0.873	233.7	0.000
1.7556	0.541	0.885	238.6	0.000
1.7778	0.542	0.897	243.5	0.000
1.8000	0.543	0.909	248.4	0.000
1.8222	0.544	0.921	253.4	0.000
1.8444	0.545	0.933	258.4	0.000
1.8667	0.546	0.946	263.5	0.000
1.8889	0.547	0.958	268.5	0.000
1.9111	0.548	0.970	273.7	0.000
1.9333	0.549	0.982	278.8	0.000
1.9556	0.550	0.994	284.0	0.000
1.9778	0.551	1.007	289.2	0.000
2.0000	0.552	1.019	294.5	0.000
2.0222	0.553	1.031	299.8	0.000

POC 24

Bottom Length: 3435.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.012 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 23

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.473	0.000	0.000	0.000
0.0667	0.478	0.031	0.304	0.000
0.1333	0.483	0.063	0.960	0.000
0.2000	0.488	0.096	1.875	0.000
0.2667	0.494	0.129	3.010	0.000
0.3333	0.499	0.162	4.341	0.000
0.4000	0.504	0.195	5.849	0.000
0.4667	0.509	0.229	7.523	0.000
0.5333	0.515	0.263	9.350	0.000
0.6000	0.520	0.298	11.32	0.000
0.6667	0.525	0.333	13.43	0.000
0.7333	0.531	0.368	15.68	0.000
0.8000	0.536	0.403	18.05	0.000
0.8667	0.541	0.439	20.54	0.000
0.9333	0.546	0.475	23.15	0.000
1.0000	0.552	0.512	25.88	0.000
1.0667	0.557	0.549	28.72	0.000
1.1333	0.562	0.586	31.67	0.000
1.2000	0.567	0.624	34.73	0.000
1.2667	0.573	0.662	37.90	0.000
1.3333	0.578	0.701	41.16	0.000
1.4000	0.583	0.739	44.53	0.000
1.4667	0.588	0.778	48.00	0.000
1.5333	0.594	0.818	51.57	0.000
1.6000	0.599	0.858	55.23	0.000
1.6667	0.604	0.898	59.00	0.000
1.7333	0.609	0.938	62.86	0.000
1.8000	0.615	0.979	66.81	0.000
1.8667	0.620	1.020	70.85	0.000
1.9333	0.625	1.062	74.99	0.000
2.0000	0.630	1.104	79.23	0.000
2.0667	0.636	1.146	83.55	0.000
2.1333	0.641	1.188	87.97	0.000
2.2000	0.646	1.231	92.48	0.000
2.2667	0.651	1.275	97.07	0.000
2.3333	0.657	1.318	101.7	0.000
2.4000	0.662	1.362	106.5	0.000
2.4667	0.667	1.407	111.4	0.000
2.5333	0.672	1.451	116.3	0.000
2.6000	0.678	1.496	121.4	0.000

2.6667	0.683	1.542	126.5	0.000
2.7333	0.688	1.587	131.7	0.000
2.8000	0.694	1.633	137.0	0.000
2.8667	0.699	1.680	142.4	0.000
2.9333	0.704	1.727	147.9	0.000
3.0000	0.709	1.774	153.5	0.000
3.0667	0.715	1.821	159.2	0.000
3.1333	0.720	1.869	164.9	0.000
3.2000	0.725	1.917	170.8	0.000
3.2667	0.730	1.966	176.7	0.000
3.3333	0.736	2.015	182.7	0.000
3.4000	0.741	2.064	188.9	0.000
3.4667	0.746	2.114	195.1	0.000
3.5333	0.751	2.164	201.3	0.000
3.6000	0.757	2.214	207.7	0.000
3.6667	0.762	2.265	214.2	0.000
3.7333	0.767	2.316	220.8	0.000
3.8000	0.772	2.367	227.4	0.000
3.8667	0.778	2.419	234.1	0.000
3.9333	0.783	2.471	241.0	0.000
4.0000	0.788	2.523	247.9	0.000
4.0667	0.793	2.576	254.9	0.000
4.1333	0.799	2.629	262.0	0.000
4.2000	0.804	2.682	269.2	0.000
4.2667	0.809	2.736	276.4	0.000
4.3333	0.814	2.790	283.8	0.000
4.4000	0.820	2.845	291.3	0.000
4.4667	0.825	2.900	298.8	0.000
4.5333	0.830	2.955	306.4	0.000
4.6000	0.835	3.010	314.2	0.000
4.6667	0.841	3.066	322.0	0.000
4.7333	0.846	3.123	329.9	0.000
4.8000	0.851	3.179	337.9	0.000
4.8667	0.856	3.236	346.0	0.000
4.9333	0.862	3.293	354.2	0.000
5.0000	0.867	3.351	362.5	0.000
5.0667	0.872	3.409	370.9	0.000
5.1333	0.878	3.467	379.3	0.000
5.2000	0.883	3.526	387.9	0.000
5.2667	0.888	3.585	396.5	0.000
5.3333	0.893	3.645	405.3	0.000
5.4000	0.899	3.704	414.1	0.000
5.4667	0.904	3.764	423.1	0.000
5.5333	0.909	3.825	432.1	0.000
5.6000	0.914	3.886	441.2	0.000
5.6667	0.920	3.947	450.4	0.000
5.7333	0.925	4.008	459.8	0.000
5.8000	0.930	4.070	469.2	0.000
5.8667	0.935	4.132	478.7	0.000
5.9333	0.941	4.195	488.3	0.000
6.0000	0.946	4.258	498.0	0.000
6.0667	0.951	4.321	507.8	0.000

POC 23

Bottom Length: 1339.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0075 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 22

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.215	0.000	0.000	0.000
0.0667	0.217	0.014	0.281	0.000
0.1333	0.219	0.029	0.887	0.000
0.2000	0.221	0.043	1.734	0.000
0.2667	0.223	0.058	2.786	0.000
0.3333	0.225	0.073	4.020	0.000
0.4000	0.227	0.088	5.421	0.000
0.4667	0.229	0.103	6.975	0.000
0.5333	0.231	0.119	8.674	0.000
0.6000	0.233	0.134	10.51	0.000
0.6667	0.235	0.150	12.47	0.000
0.7333	0.237	0.166	14.56	0.000
0.8000	0.239	0.182	16.77	0.000
0.8667	0.241	0.198	19.09	0.000
0.9333	0.243	0.214	21.52	0.000
1.0000	0.245	0.230	24.06	0.000
1.0667	0.248	0.247	26.71	0.000
1.1333	0.250	0.263	29.46	0.000
1.2000	0.252	0.280	32.30	0.000
1.2667	0.254	0.297	35.25	0.000
1.3333	0.256	0.314	38.29	0.000
1.4000	0.258	0.331	41.42	0.000
1.4667	0.260	0.348	44.65	0.000
1.5333	0.262	0.366	47.96	0.000
1.6000	0.264	0.383	51.37	0.000
1.6667	0.266	0.401	54.86	0.000
1.7333	0.268	0.419	58.45	0.000
1.8000	0.270	0.437	62.12	0.000
1.8667	0.272	0.455	65.87	0.000
1.9333	0.274	0.473	69.71	0.000
2.0000	0.276	0.491	73.63	0.000
2.0667	0.278	0.510	77.64	0.000
2.1333	0.280	0.529	81.73	0.000
2.2000	0.282	0.547	85.90	0.000
2.2667	0.284	0.566	90.15	0.000
2.3333	0.286	0.585	94.48	0.000
2.4000	0.289	0.605	98.89	0.000
2.4667	0.291	0.624	103.3	0.000
2.5333	0.293	0.643	107.9	0.000
2.6000	0.295	0.663	112.6	0.000

2.6667	0.297	0.683	117.3	0.000
2.7333	0.299	0.703	122.1	0.000
2.8000	0.301	0.723	127.0	0.000
2.8667	0.303	0.743	132.0	0.000
2.9333	0.305	0.763	137.0	0.000
3.0000	0.307	0.783	142.2	0.000
3.0667	0.309	0.804	147.4	0.000
3.1333	0.311	0.825	152.6	0.000
3.2000	0.313	0.846	158.0	0.000
3.2667	0.315	0.866	163.4	0.000
3.3333	0.317	0.888	169.0	0.000
3.4000	0.319	0.909	174.5	0.000
3.4667	0.321	0.930	180.2	0.000
3.5333	0.323	0.952	186.0	0.000
3.6000	0.325	0.973	191.8	0.000
3.6667	0.327	0.995	197.7	0.000
3.7333	0.329	1.017	203.7	0.000
3.8000	0.332	1.039	209.7	0.000
3.8667	0.334	1.061	215.9	0.000
3.9333	0.336	1.084	222.1	0.000
4.0000	0.338	1.106	228.4	0.000
4.0667	0.340	1.129	234.8	0.000
4.1333	0.342	1.152	241.2	0.000
4.2000	0.344	1.174	247.7	0.000
4.2667	0.346	1.197	254.3	0.000
4.3333	0.348	1.221	261.0	0.000
4.4000	0.350	1.244	267.8	0.000
4.4667	0.352	1.267	274.6	0.000
4.5333	0.354	1.291	281.5	0.000
4.6000	0.356	1.315	288.5	0.000
4.6667	0.358	1.338	295.6	0.000
4.7333	0.360	1.362	302.8	0.000
4.8000	0.362	1.387	310.0	0.000
4.8667	0.364	1.411	317.3	0.000
4.9333	0.366	1.435	324.7	0.000
5.0000	0.368	1.460	332.2	0.000
5.0667	0.370	1.484	339.7	0.000
5.1333	0.373	1.509	347.3	0.000
5.2000	0.375	1.534	355.0	0.000
5.2667	0.377	1.559	362.8	0.000
5.3333	0.379	1.584	370.7	0.000
5.4000	0.381	1.610	378.6	0.000
5.4667	0.383	1.635	386.7	0.000
5.5333	0.385	1.661	394.8	0.000
5.6000	0.387	1.687	403.0	0.000
5.6667	0.389	1.712	411.2	0.000
5.7333	0.391	1.738	419.6	0.000
5.8000	0.393	1.765	428.0	0.000
5.8667	0.395	1.791	436.5	0.000
5.9333	0.397	1.817	445.1	0.000
6.0000	0.399	1.844	453.8	0.000
6.0667	0.401	1.871	462.6	0.000

POC 22

Bottom Length: 2058.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0087 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20 SF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.330	0.000	0.000	0.000
0.0667	0.333	0.022	0.302	0.000
0.1333	0.337	0.044	0.955	0.000
0.2000	0.340	0.067	1.867	0.000
0.2667	0.343	0.089	3.000	0.000
0.3333	0.346	0.112	4.330	0.000
0.4000	0.349	0.136	5.838	0.000
0.4667	0.352	0.159	7.513	0.000
0.5333	0.355	0.183	9.343	0.000
0.6000	0.359	0.206	11.32	0.000
0.6667	0.362	0.231	13.43	0.000
0.7333	0.365	0.255	15.68	0.000
0.8000	0.368	0.279	18.06	0.000
0.8667	0.371	0.304	20.56	0.000
0.9333	0.374	0.329	23.18	0.000
1.0000	0.378	0.354	25.92	0.000
1.0667	0.381	0.379	28.77	0.000
1.1333	0.384	0.405	31.72	0.000
1.2000	0.387	0.430	34.79	0.000
1.2667	0.390	0.456	37.96	0.000
1.3333	0.393	0.483	41.24	0.000
1.4000	0.396	0.509	44.61	0.000
1.4667	0.400	0.535	48.09	0.000
1.5333	0.403	0.562	51.66	0.000
1.6000	0.406	0.589	55.33	0.000
1.6667	0.409	0.616	59.09	0.000
1.7333	0.412	0.644	62.95	0.000
1.8000	0.415	0.671	66.90	0.000
1.8667	0.418	0.699	70.94	0.000
1.9333	0.422	0.727	75.08	0.000
2.0000	0.425	0.755	79.30	0.000
2.0667	0.428	0.784	83.62	0.000
2.1333	0.431	0.813	88.02	0.000
2.2000	0.434	0.841	92.51	0.000
2.2667	0.437	0.871	97.09	0.000
2.3333	0.441	0.900	101.7	0.000
2.4000	0.444	0.929	106.5	0.000
2.4667	0.447	0.959	111.3	0.000
2.5333	0.450	0.989	116.2	0.000
2.6000	0.453	1.019	121.3	0.000

2.6667	0.456	1.049	126.3	0.000
2.7333	0.459	1.080	131.5	0.000
2.8000	0.463	1.111	136.8	0.000
2.8667	0.466	1.142	142.2	0.000
2.9333	0.469	1.173	147.6	0.000
3.0000	0.472	1.204	153.1	0.000
3.0667	0.475	1.236	158.7	0.000
3.1333	0.478	1.268	164.4	0.000
3.2000	0.481	1.300	170.2	0.000
3.2667	0.485	1.332	176.0	0.000
3.3333	0.488	1.364	182.0	0.000
3.4000	0.491	1.397	188.0	0.000
3.4667	0.494	1.430	194.1	0.000
3.5333	0.497	1.463	200.3	0.000
3.6000	0.500	1.496	206.6	0.000
3.6667	0.504	1.530	212.9	0.000
3.7333	0.507	1.563	219.4	0.000
3.8000	0.510	1.597	225.9	0.000
3.8667	0.513	1.632	232.5	0.000
3.9333	0.516	1.666	239.2	0.000
4.0000	0.519	1.700	246.0	0.000
4.0667	0.522	1.735	252.8	0.000
4.1333	0.526	1.770	259.8	0.000
4.2000	0.529	1.805	266.8	0.000
4.2667	0.532	1.841	273.9	0.000
4.3333	0.535	1.876	281.1	0.000
4.4000	0.538	1.912	288.4	0.000
4.4667	0.541	1.948	295.8	0.000
4.5333	0.544	1.984	303.2	0.000
4.6000	0.548	2.021	310.8	0.000
4.6667	0.551	2.057	318.4	0.000
4.7333	0.554	2.094	326.1	0.000
4.8000	0.557	2.131	333.9	0.000
4.8667	0.560	2.169	341.7	0.000
4.9333	0.563	2.206	349.7	0.000
5.0000	0.567	2.244	357.7	0.000
5.0667	0.570	2.282	365.9	0.000
5.1333	0.573	2.320	374.1	0.000
5.2000	0.576	2.358	382.4	0.000
5.2667	0.579	2.397	390.8	0.000
5.3333	0.582	2.435	399.3	0.000
5.4000	0.585	2.474	407.8	0.000
5.4667	0.589	2.513	416.5	0.000
5.5333	0.592	2.553	425.2	0.000
5.6000	0.595	2.592	434.0	0.000
5.6667	0.598	2.632	442.9	0.000
5.7333	0.601	2.672	451.9	0.000
5.8000	0.604	2.712	461.0	0.000
5.8667	0.607	2.753	470.2	0.000
5.9333	0.611	2.793	479.4	0.000
6.0000	0.614	2.834	488.8	0.000
6.0667	0.617	2.875	498.2	0.000

POC 28

Bottom Length: 1673.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0442 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21 SF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.307	0.000	0.000	0.000
0.0222	0.308	0.006	0.125	0.000
0.0444	0.309	0.013	0.397	0.000
0.0667	0.309	0.020	0.780	0.000
0.0889	0.310	0.027	1.258	0.000
0.1111	0.311	0.034	1.822	0.000
0.1333	0.312	0.041	2.465	0.000
0.1556	0.313	0.048	3.182	0.000
0.1778	0.314	0.055	3.968	0.000
0.2000	0.314	0.062	4.821	0.000
0.2222	0.315	0.069	5.738	0.000
0.2444	0.316	0.076	6.715	0.000
0.2667	0.317	0.083	7.750	0.000
0.2889	0.318	0.090	8.843	0.000
0.3111	0.319	0.097	9.990	0.000
0.3333	0.320	0.104	11.19	0.000
0.3556	0.320	0.111	12.44	0.000
0.3778	0.321	0.118	13.74	0.000
0.4000	0.322	0.126	15.09	0.000
0.4222	0.323	0.133	16.49	0.000
0.4444	0.324	0.140	17.94	0.000
0.4667	0.325	0.147	19.43	0.000
0.4889	0.326	0.154	20.97	0.000
0.5111	0.326	0.162	22.55	0.000
0.5333	0.327	0.169	24.17	0.000
0.5556	0.328	0.176	25.84	0.000
0.5778	0.329	0.183	27.55	0.000
0.6000	0.330	0.191	29.30	0.000
0.6222	0.331	0.198	31.09	0.000
0.6444	0.332	0.206	32.92	0.000
0.6667	0.332	0.213	34.79	0.000
0.6889	0.333	0.220	36.70	0.000
0.7111	0.334	0.228	38.64	0.000
0.7333	0.335	0.235	40.63	0.000
0.7556	0.336	0.243	42.65	0.000
0.7778	0.337	0.250	44.71	0.000
0.8000	0.338	0.258	46.80	0.000
0.8222	0.338	0.265	48.93	0.000
0.8444	0.339	0.273	51.09	0.000
0.8667	0.340	0.280	53.29	0.000

0.8889	0.341	0.288	55.53	0.000
0.9111	0.342	0.295	57.80	0.000
0.9333	0.343	0.303	60.10	0.000
0.9556	0.344	0.311	62.44	0.000
0.9778	0.344	0.318	64.80	0.000
1.0000	0.345	0.326	67.21	0.000
1.0222	0.346	0.334	69.64	0.000
1.0444	0.347	0.341	72.11	0.000
1.0667	0.348	0.349	74.61	0.000
1.0889	0.349	0.357	77.14	0.000
1.1111	0.349	0.365	79.70	0.000
1.1333	0.350	0.372	82.29	0.000
1.1556	0.351	0.380	84.92	0.000
1.1778	0.352	0.388	87.57	0.000
1.2000	0.353	0.396	90.25	0.000
1.2222	0.354	0.404	92.97	0.000
1.2444	0.355	0.412	95.72	0.000
1.2667	0.355	0.420	98.49	0.000
1.2889	0.356	0.427	101.3	0.000
1.3111	0.357	0.435	104.1	0.000
1.3333	0.358	0.443	107.0	0.000
1.3556	0.359	0.451	109.8	0.000
1.3778	0.360	0.459	112.8	0.000
1.4000	0.361	0.467	115.7	0.000
1.4222	0.361	0.475	118.7	0.000
1.4444	0.362	0.483	121.7	0.000
1.4667	0.363	0.492	124.7	0.000
1.4889	0.364	0.500	127.8	0.000
1.5111	0.365	0.508	130.9	0.000
1.5333	0.366	0.516	134.0	0.000
1.5556	0.367	0.524	137.2	0.000
1.5778	0.367	0.532	140.3	0.000
1.6000	0.368	0.540	143.5	0.000
1.6222	0.369	0.549	146.8	0.000
1.6444	0.370	0.557	150.0	0.000
1.6667	0.371	0.565	153.3	0.000
1.6889	0.372	0.573	156.6	0.000
1.7111	0.373	0.582	159.9	0.000
1.7333	0.373	0.590	163.3	0.000
1.7556	0.374	0.598	166.7	0.000
1.7778	0.375	0.607	170.1	0.000
1.8000	0.376	0.615	173.6	0.000
1.8222	0.377	0.623	177.0	0.000
1.8444	0.378	0.632	180.5	0.000
1.8667	0.379	0.640	184.0	0.000
1.8889	0.379	0.648	187.6	0.000
1.9111	0.380	0.657	191.2	0.000
1.9333	0.381	0.665	194.8	0.000
1.9556	0.382	0.674	198.4	0.000
1.9778	0.383	0.682	202.0	0.000
2.0000	0.384	0.691	205.7	0.000
2.0222	0.385	0.699	209.4	0.000

POC 25

Bottom Length: 2050.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0224 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.235	0.000	0.000	0.000
0.0333	0.236	0.007	0.109	0.000
0.0667	0.238	0.015	0.346	0.000
0.1000	0.240	0.023	0.677	0.000
0.1333	0.241	0.031	1.090	0.000
0.1667	0.243	0.039	1.575	0.000
0.2000	0.244	0.048	2.127	0.000
0.2333	0.246	0.056	2.740	0.000
0.2667	0.247	0.064	3.411	0.000
0.3000	0.249	0.072	4.137	0.000
0.3333	0.251	0.081	4.914	0.000
0.3667	0.252	0.089	5.742	0.000
0.4000	0.254	0.097	6.617	0.000
0.4333	0.255	0.106	7.539	0.000
0.4667	0.257	0.114	8.505	0.000
0.5000	0.258	0.123	9.514	0.000
0.5333	0.260	0.132	10.56	0.000
0.5667	0.262	0.140	11.65	0.000
0.6000	0.263	0.149	12.78	0.000
0.6333	0.265	0.158	13.95	0.000
0.6667	0.266	0.167	15.16	0.000
0.7000	0.268	0.176	16.41	0.000
0.7333	0.269	0.185	17.69	0.000
0.7667	0.271	0.194	19.01	0.000
0.8000	0.273	0.203	20.36	0.000
0.8333	0.274	0.212	21.75	0.000
0.8667	0.276	0.221	23.17	0.000
0.9000	0.277	0.230	24.62	0.000
0.9333	0.279	0.240	26.11	0.000
0.9667	0.280	0.249	27.63	0.000
1.0000	0.282	0.258	29.18	0.000
1.0333	0.283	0.268	30.77	0.000
1.0667	0.285	0.277	32.38	0.000
1.1000	0.287	0.287	34.03	0.000
1.1333	0.288	0.296	35.71	0.000
1.1667	0.290	0.306	37.42	0.000
1.2000	0.291	0.316	39.15	0.000
1.2333	0.293	0.326	40.92	0.000
1.2667	0.294	0.335	42.72	0.000
1.3000	0.296	0.345	44.55	0.000

1.3333	0.298	0.355	46.41	0.000
1.3667	0.299	0.365	48.29	0.000
1.4000	0.301	0.375	50.21	0.000
1.4333	0.302	0.385	52.16	0.000
1.4667	0.304	0.395	54.13	0.000
1.5000	0.305	0.405	56.13	0.000
1.5333	0.307	0.416	58.16	0.000
1.5667	0.309	0.426	60.22	0.000
1.6000	0.310	0.436	62.31	0.000
1.6333	0.312	0.447	64.42	0.000
1.6667	0.313	0.457	66.57	0.000
1.7000	0.315	0.468	68.74	0.000
1.7333	0.316	0.478	70.94	0.000
1.7667	0.318	0.489	73.16	0.000
1.8000	0.320	0.499	75.42	0.000
1.8333	0.321	0.510	77.70	0.000
1.8667	0.323	0.521	80.01	0.000
1.9000	0.324	0.532	82.34	0.000
1.9333	0.326	0.542	84.71	0.000
1.9667	0.327	0.553	87.10	0.000
2.0000	0.329	0.564	89.51	0.000
2.0333	0.331	0.575	91.96	0.000
2.0667	0.332	0.586	94.43	0.000
2.1000	0.334	0.597	96.93	0.000
2.1333	0.335	0.609	99.46	0.000
2.1667	0.337	0.620	102.0	0.000
2.2000	0.338	0.631	104.5	0.000
2.2333	0.340	0.642	107.2	0.000
2.2667	0.342	0.654	109.8	0.000
2.3000	0.343	0.665	112.5	0.000
2.3333	0.345	0.677	115.1	0.000
2.3667	0.346	0.688	117.9	0.000
2.4000	0.348	0.700	120.6	0.000
2.4333	0.349	0.711	123.4	0.000
2.4667	0.351	0.723	126.2	0.000
2.5000	0.353	0.735	129.0	0.000
2.5333	0.354	0.747	131.8	0.000
2.5667	0.356	0.759	134.7	0.000
2.6000	0.357	0.770	137.6	0.000
2.6333	0.359	0.782	140.5	0.000
2.6667	0.360	0.794	143.5	0.000
2.7000	0.362	0.806	146.5	0.000
2.7333	0.364	0.819	149.5	0.000
2.7667	0.365	0.831	152.5	0.000
2.8000	0.367	0.843	155.6	0.000
2.8333	0.368	0.855	158.7	0.000
2.8667	0.370	0.867	161.8	0.000
2.9000	0.371	0.880	164.9	0.000
2.9333	0.373	0.892	168.1	0.000
2.9667	0.374	0.905	171.3	0.000
3.0000	0.376	0.917	174.5	0.000
3.0333	0.378	0.930	177.8	0.000

POC 21

Bottom Length: 3338.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0162 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20 NF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.766	0.000	0.000	0.000
0.0444	0.769	0.034	0.301	0.000
0.0889	0.773	0.068	0.953	0.000
0.1333	0.776	0.102	1.869	0.000
0.1778	0.779	0.137	3.011	0.000
0.2222	0.783	0.172	4.356	0.000
0.2667	0.786	0.207	5.888	0.000
0.3111	0.790	0.242	7.593	0.000
0.3556	0.793	0.277	9.462	0.000
0.4000	0.797	0.312	11.48	0.000
0.4444	0.800	0.348	13.65	0.000
0.4889	0.803	0.383	15.97	0.000
0.5333	0.807	0.419	18.42	0.000
0.5778	0.810	0.455	21.00	0.000
0.6222	0.814	0.491	23.70	0.000
0.6667	0.817	0.527	26.54	0.000
0.7111	0.820	0.564	29.49	0.000
0.7556	0.824	0.600	32.55	0.000
0.8000	0.827	0.637	35.73	0.000
0.8444	0.831	0.674	39.02	0.000
0.8889	0.834	0.711	42.42	0.000
0.9333	0.837	0.748	45.92	0.000
0.9778	0.841	0.785	49.53	0.000
1.0222	0.844	0.823	53.24	0.000
1.0667	0.848	0.861	57.05	0.000
1.1111	0.851	0.898	60.95	0.000
1.1556	0.854	0.936	64.95	0.000
1.2000	0.858	0.974	69.05	0.000
1.2444	0.861	1.013	73.24	0.000
1.2889	0.865	1.051	77.52	0.000
1.3333	0.868	1.089	81.89	0.000
1.3778	0.871	1.128	86.35	0.000
1.4222	0.875	1.167	90.90	0.000
1.4667	0.878	1.206	95.54	0.000
1.5111	0.882	1.245	100.2	0.000
1.5556	0.885	1.284	105.0	0.000
1.6000	0.888	1.324	109.9	0.000
1.6444	0.892	1.363	114.9	0.000
1.6889	0.895	1.403	119.9	0.000
1.7333	0.899	1.443	125.1	0.000

1.7778	0.902	1.483	130.3	0.000
1.8222	0.906	1.523	135.6	0.000
1.8667	0.909	1.563	141.0	0.000
1.9111	0.912	1.604	146.4	0.000
1.9556	0.916	1.645	151.9	0.000
2.0000	0.919	1.685	157.6	0.000
2.0444	0.923	1.726	163.2	0.000
2.0889	0.926	1.767	169.0	0.000
2.1333	0.929	1.809	174.8	0.000
2.1778	0.933	1.850	180.7	0.000
2.2222	0.936	1.892	186.7	0.000
2.2667	0.940	1.933	192.8	0.000
2.3111	0.943	1.975	198.9	0.000
2.3556	0.946	2.017	205.1	0.000
2.4000	0.950	2.059	211.4	0.000
2.4444	0.953	2.102	217.8	0.000
2.4889	0.957	2.144	224.2	0.000
2.5333	0.960	2.187	230.7	0.000
2.5778	0.963	2.230	237.2	0.000
2.6222	0.967	2.272	243.9	0.000
2.6667	0.970	2.316	250.6	0.000
2.7111	0.974	2.359	257.3	0.000
2.7556	0.977	2.402	264.2	0.000
2.8000	0.980	2.446	271.1	0.000
2.8444	0.984	2.489	278.1	0.000
2.8889	0.987	2.533	285.1	0.000
2.9333	0.991	2.577	292.3	0.000
2.9778	0.994	2.621	299.5	0.000
3.0222	0.997	2.665	306.7	0.000
3.0667	1.001	2.710	314.0	0.000
3.1111	1.004	2.754	321.4	0.000
3.1556	1.008	2.799	328.9	0.000
3.2000	1.011	2.844	336.4	0.000
3.2444	1.015	2.889	344.0	0.000
3.2889	1.018	2.934	351.7	0.000
3.3333	1.021	2.980	359.4	0.000
3.3778	1.025	3.025	367.2	0.000
3.4222	1.028	3.071	375.1	0.000
3.4667	1.032	3.117	383.0	0.000
3.5111	1.035	3.163	391.0	0.000
3.5556	1.038	3.209	399.1	0.000
3.6000	1.042	3.255	407.2	0.000
3.6444	1.045	3.301	415.4	0.000
3.6889	1.049	3.348	423.7	0.000
3.7333	1.052	3.394	432.0	0.000
3.7778	1.055	3.441	440.4	0.000
3.8222	1.059	3.488	448.8	0.000
3.8667	1.062	3.535	457.4	0.000
3.9111	1.066	3.583	466.0	0.000
3.9556	1.069	3.630	474.6	0.000
4.0000	1.072	3.678	483.3	0.000
4.0444	1.076	3.726	492.1	0.000

POC 21 SF

Bottom Length: 2488.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0257 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.342	0.000	0.000	0.000
0.0444	0.345	0.015	0.227	0.000
0.0889	0.347	0.030	0.718	0.000
0.1333	0.350	0.046	1.405	0.000
0.1778	0.352	0.061	2.260	0.000
0.2222	0.355	0.077	3.264	0.000
0.2667	0.357	0.093	4.405	0.000
0.3111	0.360	0.109	5.673	0.000
0.3556	0.363	0.125	7.060	0.000
0.4000	0.365	0.141	8.560	0.000
0.4444	0.368	0.158	10.16	0.000
0.4889	0.370	0.174	11.87	0.000
0.5333	0.373	0.190	13.68	0.000
0.5778	0.375	0.207	15.58	0.000
0.6222	0.378	0.224	17.58	0.000
0.6667	0.380	0.241	19.66	0.000
0.7111	0.383	0.258	21.83	0.000
0.7556	0.385	0.275	24.08	0.000
0.8000	0.388	0.292	26.41	0.000
0.8444	0.390	0.309	28.83	0.000
0.8889	0.393	0.327	31.32	0.000
0.9333	0.396	0.344	33.89	0.000
0.9778	0.398	0.362	36.53	0.000
1.0222	0.401	0.380	39.25	0.000
1.0667	0.403	0.398	42.04	0.000
1.1111	0.406	0.416	44.90	0.000
1.1556	0.408	0.434	47.83	0.000
1.2000	0.411	0.452	50.83	0.000
1.2444	0.413	0.470	53.90	0.000
1.2889	0.416	0.489	57.04	0.000
1.3333	0.418	0.507	60.24	0.000
1.3778	0.421	0.526	63.51	0.000
1.4222	0.423	0.545	66.85	0.000
1.4667	0.426	0.564	70.25	0.000
1.5111	0.429	0.583	73.71	0.000
1.5556	0.431	0.602	77.24	0.000
1.6000	0.434	0.621	80.84	0.000
1.6444	0.436	0.640	84.49	0.000
1.6889	0.439	0.660	88.21	0.000
1.7333	0.441	0.679	91.99	0.000

1.7778	0.444	0.699	95.83	0.000
1.8222	0.446	0.719	99.73	0.000
1.8667	0.449	0.739	103.7	0.000
1.9111	0.451	0.759	107.7	0.000
1.9556	0.454	0.779	111.8	0.000
2.0000	0.457	0.799	115.9	0.000
2.0444	0.459	0.820	120.1	0.000
2.0889	0.462	0.840	124.4	0.000
2.1333	0.464	0.861	128.7	0.000
2.1778	0.467	0.881	133.1	0.000
2.2222	0.469	0.902	137.5	0.000
2.2667	0.472	0.923	142.0	0.000
2.3111	0.474	0.944	146.6	0.000
2.3556	0.477	0.965	151.2	0.000
2.4000	0.479	0.987	155.9	0.000
2.4444	0.482	1.008	160.6	0.000
2.4889	0.484	1.029	165.4	0.000
2.5333	0.487	1.051	170.3	0.000
2.5778	0.490	1.073	175.2	0.000
2.6222	0.492	1.095	180.1	0.000
2.6667	0.495	1.117	185.2	0.000
2.7111	0.497	1.139	190.2	0.000
2.7556	0.500	1.161	195.4	0.000
2.8000	0.502	1.183	200.6	0.000
2.8444	0.505	1.205	205.8	0.000
2.8889	0.507	1.228	211.2	0.000
2.9333	0.510	1.251	216.5	0.000
2.9778	0.512	1.273	222.0	0.000
3.0222	0.515	1.296	227.4	0.000
3.0667	0.517	1.319	233.0	0.000
3.1111	0.520	1.342	238.6	0.000
3.1556	0.523	1.365	244.2	0.000
3.2000	0.525	1.389	250.0	0.000
3.2444	0.528	1.412	255.7	0.000
3.2889	0.530	1.436	261.6	0.000
3.3333	0.533	1.459	267.5	0.000
3.3778	0.535	1.483	273.4	0.000
3.4222	0.538	1.507	279.4	0.000
3.4667	0.540	1.531	285.5	0.000
3.5111	0.543	1.555	291.6	0.000
3.5556	0.545	1.579	297.8	0.000
3.6000	0.548	1.603	304.0	0.000
3.6444	0.550	1.628	310.3	0.000
3.6889	0.553	1.652	316.7	0.000
3.7333	0.556	1.677	323.1	0.000
3.7778	0.558	1.702	329.5	0.000
3.8222	0.561	1.727	336.1	0.000
3.8667	0.563	1.752	342.7	0.000
3.9111	0.566	1.777	349.3	0.000
3.9556	0.568	1.802	356.0	0.000
4.0000	0.571	1.827	362.8	0.000
4.0444	0.573	1.853	369.6	0.000

POC 20 SF

Bottom Length: 2805.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0064 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.515	0.000	0.000	0.000
0.0667	0.519	0.034	0.297	0.000
0.1333	0.523	0.069	0.938	0.000
0.2000	0.528	0.104	1.834	0.000
0.2667	0.532	0.139	2.949	0.000
0.3333	0.536	0.175	4.258	0.000
0.4000	0.540	0.211	5.744	0.000
0.4667	0.545	0.247	7.395	0.000
0.5333	0.549	0.283	9.200	0.000
0.6000	0.553	0.320	11.15	0.000
0.6667	0.558	0.357	13.24	0.000
0.7333	0.562	0.395	15.46	0.000
0.8000	0.566	0.432	17.81	0.000
0.8667	0.571	0.470	20.28	0.000
0.9333	0.575	0.508	22.87	0.000
1.0000	0.579	0.547	25.57	0.000
1.0667	0.583	0.586	28.39	0.000
1.1333	0.588	0.625	31.31	0.000
1.2000	0.592	0.664	34.34	0.000
1.2667	0.596	0.704	37.48	0.000
1.3333	0.601	0.744	40.71	0.000
1.4000	0.605	0.784	44.05	0.000
1.4667	0.609	0.824	47.48	0.000
1.5333	0.613	0.865	51.01	0.000
1.6000	0.618	0.906	54.63	0.000
1.6667	0.622	0.948	58.35	0.000
1.7333	0.626	0.989	62.15	0.000
1.8000	0.631	1.031	66.05	0.000
1.8667	0.635	1.073	70.04	0.000
1.9333	0.639	1.116	74.12	0.000
2.0000	0.643	1.159	78.28	0.000
2.0667	0.648	1.202	82.54	0.000
2.1333	0.652	1.245	86.88	0.000
2.2000	0.656	1.289	91.30	0.000
2.2667	0.661	1.333	95.81	0.000
2.3333	0.665	1.377	100.4	0.000
2.4000	0.669	1.421	105.0	0.000
2.4667	0.674	1.466	109.8	0.000
2.5333	0.678	1.511	114.6	0.000
2.6000	0.682	1.557	119.6	0.000

2.6667	0.686	1.602	124.6	0.000
2.7333	0.691	1.648	129.7	0.000
2.8000	0.695	1.694	134.8	0.000
2.8667	0.699	1.741	140.1	0.000
2.9333	0.704	1.788	145.4	0.000
3.0000	0.708	1.835	150.8	0.000
3.0667	0.712	1.882	156.3	0.000
3.1333	0.716	1.930	161.9	0.000
3.2000	0.721	1.978	167.5	0.000
3.2667	0.725	2.026	173.3	0.000
3.3333	0.729	2.074	179.1	0.000
3.4000	0.734	2.123	185.0	0.000
3.4667	0.738	2.172	190.9	0.000
3.5333	0.742	2.222	197.0	0.000
3.6000	0.747	2.271	203.1	0.000
3.6667	0.751	2.321	209.3	0.000
3.7333	0.755	2.372	215.6	0.000
3.8000	0.759	2.422	221.9	0.000
3.8667	0.764	2.473	228.4	0.000
3.9333	0.768	2.524	234.9	0.000
4.0000	0.772	2.575	241.5	0.000
4.0667	0.777	2.627	248.2	0.000
4.1333	0.781	2.679	254.9	0.000
4.2000	0.785	2.731	261.7	0.000
4.2667	0.789	2.784	268.6	0.000
4.3333	0.794	2.836	275.6	0.000
4.4000	0.798	2.890	282.7	0.000
4.4667	0.802	2.943	289.8	0.000
4.5333	0.807	2.997	297.1	0.000
4.6000	0.811	3.051	304.4	0.000
4.6667	0.815	3.105	311.7	0.000
4.7333	0.820	3.159	319.2	0.000
4.8000	0.824	3.214	326.7	0.000
4.8667	0.828	3.269	334.4	0.000
4.9333	0.832	3.325	342.0	0.000
5.0000	0.837	3.380	349.8	0.000
5.0667	0.841	3.436	357.7	0.000
5.1333	0.845	3.492	365.6	0.000
5.2000	0.850	3.549	373.6	0.000
5.2667	0.854	3.606	381.7	0.000
5.3333	0.858	3.663	389.9	0.000
5.4000	0.862	3.720	398.1	0.000
5.4667	0.867	3.778	406.5	0.000
5.5333	0.871	3.836	414.9	0.000
5.6000	0.875	3.894	423.4	0.000
5.6667	0.880	3.953	431.9	0.000
5.7333	0.884	4.011	440.6	0.000
5.8000	0.888	4.071	449.3	0.000
5.8667	0.893	4.130	458.1	0.000
5.9333	0.897	4.190	467.0	0.000
6.0000	0.901	4.250	476.0	0.000
6.0667	0.905	4.310	485.0	0.000

POC 20 NF

Bottom Length: 2495.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.03
Channel bottom slope 1: 0.0128 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.572	0.000	0.000	0.000
0.0667	0.576	0.038	0.613	0.000
0.1333	0.580	0.076	1.938	0.000
0.2000	0.584	0.115	3.795	0.000
0.2667	0.588	0.154	6.106	0.000
0.3333	0.591	0.194	8.823	0.000
0.4000	0.595	0.233	11.91	0.000
0.4667	0.599	0.273	15.34	0.000
0.5333	0.603	0.313	19.10	0.000
0.6000	0.607	0.354	23.16	0.000
0.6667	0.611	0.394	27.52	0.000
0.7333	0.614	0.435	32.15	0.000
0.8000	0.618	0.476	37.05	0.000
0.8667	0.622	0.517	42.21	0.000
0.9333	0.626	0.559	47.62	0.000
1.0000	0.630	0.601	53.27	0.000
1.0667	0.633	0.643	59.16	0.000
1.1333	0.637	0.685	65.27	0.000
1.2000	0.641	0.728	71.61	0.000
1.2667	0.645	0.771	78.16	0.000
1.3333	0.649	0.814	84.93	0.000
1.4000	0.653	0.858	91.90	0.000
1.4667	0.656	0.901	99.08	0.000
1.5333	0.660	0.945	106.4	0.000
1.6000	0.664	0.989	114.0	0.000
1.6667	0.668	1.034	121.8	0.000
1.7333	0.672	1.078	129.7	0.000
1.8000	0.675	1.123	137.9	0.000
1.8667	0.679	1.169	146.2	0.000
1.9333	0.683	1.214	154.7	0.000
2.0000	0.687	1.260	163.4	0.000
2.0667	0.691	1.306	172.3	0.000
2.1333	0.695	1.352	181.3	0.000
2.2000	0.698	1.398	190.5	0.000
2.2667	0.702	1.445	199.9	0.000
2.3333	0.706	1.492	209.5	0.000
2.4000	0.710	1.539	219.2	0.000
2.4667	0.714	1.587	229.1	0.000
2.5333	0.717	1.634	239.2	0.000
2.6000	0.721	1.682	249.5	0.000

2.6667	0.725	1.731	259.9	0.000
2.7333	0.729	1.779	270.4	0.000
2.8000	0.733	1.828	281.2	0.000
2.8667	0.737	1.877	292.0	0.000
2.9333	0.740	1.926	303.1	0.000
3.0000	0.744	1.976	314.3	0.000
3.0667	0.748	2.025	325.7	0.000
3.1333	0.752	2.075	337.2	0.000
3.2000	0.756	2.126	348.9	0.000
3.2667	0.759	2.176	360.7	0.000
3.3333	0.763	2.227	372.7	0.000
3.4000	0.767	2.278	384.9	0.000
3.4667	0.771	2.329	397.2	0.000
3.5333	0.775	2.381	409.7	0.000
3.6000	0.779	2.433	422.3	0.000
3.6667	0.782	2.485	435.1	0.000
3.7333	0.786	2.537	448.0	0.000
3.8000	0.790	2.590	461.1	0.000
3.8667	0.794	2.643	474.3	0.000
3.9333	0.798	2.696	487.7	0.000
4.0000	0.801	2.749	501.2	0.000
4.0667	0.805	2.803	514.9	0.000
4.1333	0.809	2.856	528.8	0.000
4.2000	0.813	2.910	542.8	0.000
4.2667	0.817	2.965	556.9	0.000
4.3333	0.821	3.019	571.2	0.000
4.4000	0.824	3.074	585.7	0.000
4.4667	0.828	3.129	600.3	0.000
4.5333	0.832	3.185	615.0	0.000
4.6000	0.836	3.240	629.9	0.000
4.6667	0.840	3.296	645.0	0.000
4.7333	0.843	3.352	660.2	0.000
4.8000	0.847	3.409	675.5	0.000
4.8667	0.851	3.465	691.0	0.000
4.9333	0.855	3.522	706.7	0.000
5.0000	0.859	3.579	722.5	0.000
5.0667	0.863	3.637	738.4	0.000
5.1333	0.866	3.695	754.5	0.000
5.2000	0.870	3.752	770.8	0.000
5.2667	0.874	3.811	787.2	0.000
5.3333	0.878	3.869	803.7	0.000
5.4000	0.882	3.928	820.4	0.000
5.4667	0.885	3.987	837.3	0.000
5.5333	0.889	4.046	854.3	0.000
5.6000	0.893	4.105	871.4	0.000
5.6667	0.897	4.165	888.7	0.000
5.7333	0.901	4.225	906.2	0.000
5.8000	0.905	4.285	923.8	0.000
5.8667	0.908	4.346	941.6	0.000
5.9333	0.912	4.406	959.5	0.000
6.0000	0.916	4.467	977.5	0.000
6.0667	0.920	4.529	995.7	0.000

POC 20

Bottom Length: 1714.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0047 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.590	0.000	0.000	0.000
0.0667	0.592	0.039	0.478	0.000
0.1333	0.595	0.079	1.514	0.000
0.2000	0.598	0.118	2.969	0.000
0.2667	0.600	0.158	4.782	0.000
0.3333	0.603	0.198	6.918	0.000
0.4000	0.606	0.239	9.350	0.000
0.4667	0.608	0.279	12.05	0.000
0.5333	0.611	0.320	15.02	0.000
0.6000	0.613	0.361	18.24	0.000
0.6667	0.616	0.402	21.69	0.000
0.7333	0.619	0.443	25.36	0.000
0.8000	0.621	0.484	29.25	0.000
0.8667	0.624	0.526	33.35	0.000
0.9333	0.626	0.568	37.65	0.000
1.0000	0.629	0.609	42.14	0.000
1.0667	0.632	0.652	46.83	0.000
1.1333	0.634	0.694	51.70	0.000
1.2000	0.637	0.736	56.75	0.000
1.2667	0.640	0.779	61.97	0.000
1.3333	0.642	0.821	67.37	0.000
1.4000	0.645	0.864	72.93	0.000
1.4667	0.647	0.908	78.66	0.000
1.5333	0.650	0.951	84.55	0.000
1.6000	0.653	0.994	90.60	0.000
1.6667	0.655	1.038	96.80	0.000
1.7333	0.658	1.082	103.1	0.000
1.8000	0.661	1.126	109.6	0.000
1.8667	0.663	1.170	116.3	0.000
1.9333	0.666	1.214	123.1	0.000
2.0000	0.668	1.259	130.0	0.000
2.0667	0.671	1.303	137.1	0.000
2.1333	0.674	1.348	144.3	0.000
2.2000	0.676	1.393	151.7	0.000
2.2667	0.679	1.438	159.2	0.000
2.3333	0.682	1.484	166.8	0.000
2.4000	0.684	1.529	174.6	0.000
2.4667	0.687	1.575	182.5	0.000
2.5333	0.689	1.621	190.5	0.000
2.6000	0.692	1.667	198.7	0.000

2.6667	0.695	1.713	206.9	0.000
2.7333	0.697	1.760	215.4	0.000
2.8000	0.700	1.806	223.9	0.000
2.8667	0.703	1.853	232.5	0.000
2.9333	0.705	1.900	241.3	0.000
3.0000	0.708	1.947	250.2	0.000
3.0667	0.710	1.995	259.3	0.000
3.1333	0.713	2.042	268.4	0.000
3.2000	0.716	2.090	277.7	0.000
3.2667	0.718	2.138	287.1	0.000
3.3333	0.721	2.186	296.6	0.000
3.4000	0.724	2.234	306.2	0.000
3.4667	0.726	2.282	315.9	0.000
3.5333	0.729	2.331	325.8	0.000
3.6000	0.731	2.379	335.8	0.000
3.6667	0.734	2.428	345.8	0.000
3.7333	0.737	2.477	356.0	0.000
3.8000	0.739	2.527	366.3	0.000
3.8667	0.742	2.576	376.8	0.000
3.9333	0.745	2.625	387.3	0.000
4.0000	0.747	2.675	398.0	0.000
4.0667	0.750	2.725	408.7	0.000
4.1333	0.752	2.775	419.6	0.000
4.2000	0.755	2.826	430.6	0.000
4.2667	0.758	2.876	441.7	0.000
4.3333	0.760	2.927	452.9	0.000
4.4000	0.763	2.977	464.2	0.000
4.4667	0.766	3.028	475.6	0.000
4.5333	0.768	3.080	487.1	0.000
4.6000	0.771	3.131	498.7	0.000
4.6667	0.773	3.182	510.5	0.000
4.7333	0.776	3.234	522.3	0.000
4.8000	0.779	3.286	534.3	0.000
4.8667	0.781	3.338	546.4	0.000
4.9333	0.784	3.390	558.5	0.000
5.0000	0.787	3.443	570.8	0.000
5.0667	0.789	3.495	583.2	0.000
5.1333	0.792	3.548	595.7	0.000
5.2000	0.794	3.601	608.3	0.000
5.2667	0.797	3.654	621.0	0.000
5.3333	0.800	3.707	633.8	0.000
5.4000	0.802	3.760	646.7	0.000
5.4667	0.805	3.814	659.7	0.000
5.5333	0.808	3.868	672.8	0.000
5.6000	0.810	3.922	686.1	0.000
5.6667	0.813	3.976	699.4	0.000
5.7333	0.815	4.030	712.8	0.000
5.8000	0.818	4.085	726.4	0.000
5.8667	0.821	4.139	740.0	0.000
5.9333	0.823	4.194	753.8	0.000
6.0000	0.826	4.249	767.6	0.000
6.0667	0.829	4.304	781.6	0.000

POC 17/18

Bottom Length: 1331.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0075 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
SF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.458	0.000	0.000	0.000
0.0889	0.461	0.040	0.975	0.000
0.1778	0.463	0.082	3.084	0.000
0.2667	0.466	0.123	6.041	0.000
0.3556	0.469	0.164	9.723	0.000
0.4444	0.471	0.206	14.05	0.000
0.5333	0.474	0.248	18.98	0.000
0.6222	0.477	0.291	24.46	0.000
0.7111	0.480	0.333	30.46	0.000
0.8000	0.482	0.376	36.95	0.000
0.8889	0.485	0.419	43.91	0.000
0.9778	0.488	0.462	51.32	0.000
1.0667	0.490	0.506	59.15	0.000
1.1556	0.493	0.550	67.41	0.000
1.2444	0.496	0.594	76.06	0.000
1.3333	0.499	0.638	85.10	0.000
1.4222	0.501	0.682	94.52	0.000
1.5111	0.504	0.727	104.3	0.000
1.6000	0.507	0.772	114.4	0.000
1.6889	0.509	0.817	124.9	0.000
1.7778	0.512	0.863	135.7	0.000
1.8667	0.515	0.908	146.9	0.000
1.9556	0.518	0.954	158.4	0.000
2.0444	0.520	1.000	170.2	0.000
2.1333	0.523	1.047	182.3	0.000
2.2222	0.526	1.094	194.8	0.000
2.3111	0.529	1.140	207.5	0.000
2.4000	0.531	1.188	220.5	0.000
2.4889	0.534	1.235	233.9	0.000
2.5778	0.537	1.283	247.5	0.000
2.6667	0.539	1.330	261.4	0.000
2.7556	0.542	1.379	275.6	0.000
2.8444	0.545	1.427	290.1	0.000
2.9333	0.548	1.475	304.9	0.000
3.0222	0.550	1.524	319.9	0.000
3.1111	0.553	1.573	335.2	0.000
3.2000	0.556	1.623	350.8	0.000
3.2889	0.558	1.672	366.6	0.000
3.3778	0.561	1.722	382.7	0.000
3.4667	0.564	1.772	399.1	0.000

3.5556	0.567	1.822	415.7	0.000
3.6444	0.569	1.873	432.6	0.000
3.7333	0.572	1.924	449.8	0.000
3.8222	0.575	1.975	467.2	0.000
3.9111	0.577	2.026	484.8	0.000
4.0000	0.580	2.077	502.7	0.000
4.0889	0.583	2.129	520.9	0.000
4.1778	0.586	2.181	539.3	0.000
4.2667	0.588	2.233	557.9	0.000
4.3556	0.591	2.286	576.8	0.000
4.4444	0.594	2.338	596.0	0.000
4.5333	0.596	2.391	615.3	0.000
4.6222	0.599	2.445	635.0	0.000
4.7111	0.602	2.498	654.8	0.000
4.8000	0.605	2.552	675.0	0.000
4.8889	0.607	2.606	695.3	0.000
4.9778	0.610	2.660	715.9	0.000
5.0667	0.613	2.714	736.7	0.000
5.1556	0.615	2.769	757.8	0.000
5.2444	0.618	2.824	779.1	0.000
5.3333	0.621	2.879	800.6	0.000
5.4222	0.624	2.934	822.4	0.000
5.5111	0.626	2.990	844.4	0.000
5.6000	0.629	3.045	866.7	0.000
5.6889	0.632	3.102	889.1	0.000
5.7778	0.634	3.158	911.9	0.000
5.8667	0.637	3.214	934.8	0.000
5.9556	0.640	3.271	958.0	0.000
6.0444	0.643	3.328	981.4	0.000
6.1333	0.645	3.386	1005.	0.000
6.2222	0.648	3.443	1028.	0.000
6.3111	0.651	3.501	1053.	0.000
6.4000	0.653	3.559	1077.	0.000
6.4889	0.656	3.617	1101.	0.000
6.5778	0.659	3.676	1126.	0.000
6.6667	0.662	3.734	1151.	0.000
6.7556	0.664	3.793	1177.	0.000
6.8444	0.667	3.852	1202.	0.000
6.9333	0.670	3.912	1228.	0.000
7.0222	0.673	3.972	1254.	0.000
7.1111	0.675	4.032	1280.	0.000
7.2000	0.678	4.092	1306.	0.000
7.2889	0.681	4.152	1333.	0.000
7.3778	0.683	4.213	1360.	0.000
7.4667	0.686	4.274	1387.	0.000
7.5556	0.689	4.335	1414.	0.000
7.6444	0.692	4.396	1442.	0.000
7.7333	0.694	4.458	1470.	0.000
7.8222	0.697	4.520	1498.	0.000
7.9111	0.700	4.582	1526.	0.000
8.0000	0.702	4.644	1554.	0.000
8.0889	0.705	4.707	1583.	0.000

SB 18 SF

Bottom Length: 3376.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0059 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.465	0.000	0.000	0.000
0.0667	0.470	0.031	0.213	0.000
0.1333	0.475	0.062	0.673	0.000
0.2000	0.480	0.094	1.314	0.000
0.2667	0.485	0.126	2.110	0.000
0.3333	0.490	0.159	3.043	0.000
0.4000	0.496	0.192	4.101	0.000
0.4667	0.501	0.225	5.275	0.000
0.5333	0.506	0.259	6.556	0.000
0.6000	0.511	0.293	7.940	0.000
0.6667	0.516	0.327	9.421	0.000
0.7333	0.521	0.361	10.99	0.000
0.8000	0.527	0.396	12.65	0.000
0.8667	0.532	0.432	14.40	0.000
0.9333	0.537	0.467	16.23	0.000
1.0000	0.542	0.503	18.15	0.000
1.0667	0.547	0.540	20.14	0.000
1.1333	0.552	0.576	22.21	0.000
1.2000	0.558	0.613	24.35	0.000
1.2667	0.563	0.651	26.57	0.000
1.3333	0.568	0.688	28.86	0.000
1.4000	0.573	0.727	31.22	0.000
1.4667	0.578	0.765	33.66	0.000
1.5333	0.583	0.804	36.16	0.000
1.6000	0.589	0.843	38.73	0.000
1.6667	0.594	0.882	41.37	0.000
1.7333	0.599	0.922	44.07	0.000
1.8000	0.604	0.962	46.84	0.000
1.8667	0.609	1.003	49.68	0.000
1.9333	0.614	1.043	52.58	0.000
2.0000	0.620	1.085	55.55	0.000
2.0667	0.625	1.126	58.58	0.000
2.1333	0.630	1.168	61.68	0.000
2.2000	0.635	1.210	64.84	0.000
2.2667	0.640	1.253	68.07	0.000
2.3333	0.645	1.296	71.35	0.000
2.4000	0.651	1.339	74.70	0.000
2.4667	0.656	1.382	78.12	0.000
2.5333	0.661	1.426	81.59	0.000
2.6000	0.666	1.471	85.13	0.000

2.6667	0.671	1.515	88.73	0.000
2.7333	0.676	1.560	92.40	0.000
2.8000	0.682	1.605	96.12	0.000
2.8667	0.687	1.651	99.91	0.000
2.9333	0.692	1.697	103.7	0.000
3.0000	0.697	1.743	107.6	0.000
3.0667	0.702	1.790	111.6	0.000
3.1333	0.707	1.837	115.6	0.000
3.2000	0.713	1.884	119.7	0.000
3.2667	0.718	1.932	123.9	0.000
3.3333	0.723	1.980	128.1	0.000
3.4000	0.728	2.029	132.4	0.000
3.4667	0.733	2.077	136.8	0.000
3.5333	0.738	2.126	141.2	0.000
3.6000	0.744	2.176	145.6	0.000
3.6667	0.749	2.226	150.2	0.000
3.7333	0.754	2.276	154.8	0.000
3.8000	0.759	2.326	159.4	0.000
3.8667	0.764	2.377	164.2	0.000
3.9333	0.769	2.428	168.9	0.000
4.0000	0.775	2.480	173.8	0.000
4.0667	0.780	2.531	178.7	0.000
4.1333	0.785	2.584	183.7	0.000
4.2000	0.790	2.636	188.7	0.000
4.2667	0.795	2.689	193.8	0.000
4.3333	0.800	2.742	199.0	0.000
4.4000	0.806	2.796	204.2	0.000
4.4667	0.811	2.850	209.5	0.000
4.5333	0.816	2.904	214.9	0.000
4.6000	0.821	2.959	220.3	0.000
4.6667	0.826	3.014	225.8	0.000
4.7333	0.831	3.069	231.3	0.000
4.8000	0.837	3.124	236.9	0.000
4.8667	0.842	3.180	242.6	0.000
4.9333	0.847	3.237	248.3	0.000
5.0000	0.852	3.293	254.2	0.000
5.0667	0.857	3.350	260.0	0.000
5.1333	0.862	3.408	266.0	0.000
5.2000	0.868	3.465	272.0	0.000
5.2667	0.873	3.524	278.0	0.000
5.3333	0.878	3.582	284.2	0.000
5.4000	0.883	3.641	290.4	0.000
5.4667	0.888	3.700	296.6	0.000
5.5333	0.893	3.759	303.0	0.000
5.6000	0.899	3.819	309.4	0.000
5.6667	0.904	3.879	315.8	0.000
5.7333	0.909	3.939	322.4	0.000
5.8000	0.914	4.000	329.0	0.000
5.8667	0.919	4.061	335.6	0.000
5.9333	0.924	4.123	342.4	0.000
6.0000	0.930	4.185	349.2	0.000
6.0667	0.935	4.247	356.0	0.000

SB 17 SF

Bottom Length: 1491.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0148 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.136	0.000	0.000	0.000
0.0444	0.138	0.006	0.114	0.000
0.0889	0.140	0.012	0.361	0.000
0.1333	0.141	0.018	0.706	0.000
0.1778	0.143	0.024	1.133	0.000
0.2222	0.144	0.031	1.635	0.000
0.2667	0.146	0.037	2.203	0.000
0.3111	0.147	0.044	2.833	0.000
0.3556	0.149	0.050	3.522	0.000
0.4000	0.150	0.057	4.265	0.000
0.4444	0.152	0.064	5.060	0.000
0.4889	0.153	0.071	5.906	0.000
0.5333	0.155	0.077	6.799	0.000
0.5778	0.156	0.084	7.738	0.000
0.6222	0.158	0.091	8.723	0.000
0.6667	0.159	0.098	9.751	0.000
0.7111	0.161	0.106	10.82	0.000
0.7556	0.162	0.113	11.93	0.000
0.8000	0.164	0.120	13.08	0.000
0.8444	0.165	0.127	14.27	0.000
0.8889	0.167	0.135	15.50	0.000
0.9333	0.168	0.142	16.77	0.000
0.9778	0.170	0.150	18.08	0.000
1.0222	0.171	0.157	19.42	0.000
1.0667	0.173	0.165	20.80	0.000
1.1111	0.175	0.173	22.22	0.000
1.1556	0.176	0.181	23.67	0.000
1.2000	0.178	0.188	25.16	0.000
1.2444	0.179	0.196	26.69	0.000
1.2889	0.181	0.204	28.25	0.000
1.3333	0.182	0.213	29.84	0.000
1.3778	0.184	0.221	31.47	0.000
1.4222	0.185	0.229	33.13	0.000
1.4667	0.187	0.237	34.83	0.000
1.5111	0.188	0.246	36.56	0.000
1.5556	0.190	0.254	38.33	0.000
1.6000	0.191	0.262	40.13	0.000
1.6444	0.193	0.271	41.96	0.000
1.6889	0.194	0.280	43.83	0.000
1.7333	0.196	0.288	45.73	0.000

1.7778	0.197	0.297	47.66	0.000
1.8222	0.199	0.306	49.63	0.000
1.8667	0.200	0.315	51.63	0.000
1.9111	0.202	0.324	53.67	0.000
1.9556	0.203	0.333	55.74	0.000
2.0000	0.205	0.342	57.84	0.000
2.0444	0.206	0.351	59.97	0.000
2.0889	0.208	0.360	62.14	0.000
2.1333	0.209	0.370	64.34	0.000
2.1778	0.211	0.379	66.58	0.000
2.2222	0.213	0.388	68.85	0.000
2.2667	0.214	0.398	71.15	0.000
2.3111	0.216	0.407	73.49	0.000
2.3556	0.217	0.417	75.86	0.000
2.4000	0.219	0.427	78.26	0.000
2.4444	0.220	0.437	80.69	0.000
2.4889	0.222	0.446	83.16	0.000
2.5333	0.223	0.456	85.67	0.000
2.5778	0.225	0.466	88.20	0.000
2.6222	0.226	0.476	90.77	0.000
2.6667	0.228	0.486	93.38	0.000
2.7111	0.229	0.497	96.02	0.000
2.7556	0.231	0.507	98.69	0.000
2.8000	0.232	0.517	101.4	0.000
2.8444	0.234	0.527	104.1	0.000
2.8889	0.235	0.538	106.9	0.000
2.9333	0.237	0.548	109.7	0.000
2.9778	0.238	0.559	112.5	0.000
3.0222	0.240	0.570	115.4	0.000
3.0667	0.241	0.580	118.3	0.000
3.1111	0.243	0.591	121.3	0.000
3.1556	0.244	0.602	124.2	0.000
3.2000	0.246	0.613	127.3	0.000
3.2444	0.248	0.624	130.3	0.000
3.2889	0.249	0.635	133.4	0.000
3.3333	0.251	0.646	136.5	0.000
3.3778	0.252	0.657	139.7	0.000
3.4222	0.254	0.669	142.9	0.000
3.4667	0.255	0.680	146.1	0.000
3.5111	0.257	0.691	149.3	0.000
3.5556	0.258	0.703	152.6	0.000
3.6000	0.260	0.714	156.0	0.000
3.6444	0.261	0.726	159.3	0.000
3.6889	0.263	0.738	162.7	0.000
3.7333	0.264	0.749	166.2	0.000
3.7778	0.266	0.761	169.6	0.000
3.8222	0.267	0.773	173.2	0.000
3.8667	0.269	0.785	176.7	0.000
3.9111	0.270	0.797	180.3	0.000
3.9556	0.272	0.809	183.9	0.000
4.0000	0.273	0.821	187.5	0.000
4.0444	0.275	0.833	191.2	0.000

Offsite 97

Bottom Length:	5539.00 ft.
Bottom Width:	6.00 ft.
Manning's n:	0.035
Channel bottom slope 1:	0.0078 To 1
Channel Left side slope 0:	0.5 To 1
Channel right side slope 2:	0.5 To 1
Discharge Structure	
Riser Height:	0 ft.
Riser Diameter:	0 in.
Element Flows To:	
Outlet 1	Outlet 2
SB 18 SF	

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.762	0.000	0.000	0.000
0.0667	0.771	0.051	0.245	0.000
0.1333	0.779	0.102	0.774	0.000
0.2000	0.788	0.155	1.511	0.000
0.2667	0.796	0.208	2.427	0.000
0.3333	0.805	0.261	3.499	0.000
0.4000	0.813	0.315	4.716	0.000
0.4667	0.822	0.369	6.065	0.000
0.5333	0.830	0.425	7.538	0.000
0.6000	0.839	0.480	9.129	0.000
0.6667	0.847	0.536	10.83	0.000
0.7333	0.856	0.593	12.64	0.000
0.8000	0.864	0.651	14.55	0.000
0.8667	0.873	0.709	16.56	0.000
0.9333	0.881	0.767	18.67	0.000
1.0000	0.890	0.826	20.87	0.000
1.0667	0.898	0.886	23.16	0.000
1.1333	0.907	0.946	25.54	0.000
1.2000	0.915	1.007	28.00	0.000
1.2667	0.924	1.068	30.55	0.000
1.3333	0.932	1.130	33.19	0.000
1.4000	0.941	1.192	35.90	0.000
1.4667	0.949	1.255	38.70	0.000
1.5333	0.957	1.319	41.58	0.000
1.6000	0.966	1.383	44.53	0.000
1.6667	0.974	1.448	47.56	0.000
1.7333	0.983	1.513	50.67	0.000
1.8000	0.991	1.579	53.86	0.000
1.8667	1.000	1.645	57.12	0.000
1.9333	1.008	1.712	60.46	0.000
2.0000	1.017	1.780	63.87	0.000
2.0667	1.025	1.848	67.36	0.000
2.1333	1.034	1.917	70.92	0.000
2.2000	1.042	1.986	74.55	0.000
2.2667	1.051	2.056	78.26	0.000
2.3333	1.059	2.126	82.04	0.000
2.4000	1.068	2.197	85.89	0.000
2.4667	1.076	2.268	89.82	0.000
2.5333	1.085	2.340	93.82	0.000
2.6000	1.093	2.413	97.88	0.000

2.6667	1.102	2.486	102.0	0.000
2.7333	1.110	2.560	106.2	0.000
2.8000	1.119	2.634	110.5	0.000
2.8667	1.127	2.709	114.8	0.000
2.9333	1.136	2.785	119.3	0.000
3.0000	1.144	2.861	123.8	0.000
3.0667	1.152	2.937	128.3	0.000
3.1333	1.161	3.014	133.0	0.000
3.2000	1.169	3.092	137.7	0.000
3.2667	1.178	3.170	142.5	0.000
3.3333	1.186	3.249	147.3	0.000
3.4000	1.195	3.329	152.3	0.000
3.4667	1.203	3.409	157.3	0.000
3.5333	1.212	3.489	162.3	0.000
3.6000	1.220	3.570	167.5	0.000
3.6667	1.229	3.652	172.7	0.000
3.7333	1.237	3.734	178.0	0.000
3.8000	1.246	3.817	183.3	0.000
3.8667	1.254	3.900	188.8	0.000
3.9333	1.263	3.984	194.3	0.000
4.0000	1.271	4.069	199.8	0.000
4.0667	1.280	4.154	205.5	0.000
4.1333	1.288	4.239	211.2	0.000
4.2000	1.297	4.325	217.0	0.000
4.2667	1.305	4.412	222.9	0.000
4.3333	1.314	4.500	228.8	0.000
4.4000	1.322	4.587	234.8	0.000
4.4667	1.330	4.676	240.9	0.000
4.5333	1.339	4.765	247.1	0.000
4.6000	1.347	4.854	253.3	0.000
4.6667	1.356	4.945	259.6	0.000
4.7333	1.364	5.035	266.0	0.000
4.8000	1.373	5.127	272.4	0.000
4.8667	1.381	5.218	279.0	0.000
4.9333	1.390	5.311	285.6	0.000
5.0000	1.398	5.404	292.2	0.000
5.0667	1.407	5.497	299.0	0.000
5.1333	1.415	5.591	305.8	0.000
5.2000	1.424	5.686	312.7	0.000
5.2667	1.432	5.781	319.7	0.000
5.3333	1.441	5.877	326.7	0.000
5.4000	1.449	5.973	333.9	0.000
5.4667	1.458	6.070	341.1	0.000
5.5333	1.466	6.168	348.4	0.000
5.6000	1.475	6.266	355.7	0.000
5.6667	1.483	6.365	363.2	0.000
5.7333	1.492	6.464	370.7	0.000
5.8000	1.500	6.564	378.2	0.000
5.8667	1.509	6.664	385.9	0.000
5.9333	1.517	6.765	393.7	0.000
6.0000	1.525	6.866	401.5	0.000
6.0667	1.534	6.968	409.4	0.000

SF

Bottom Length: 4611.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0078 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	1.587	0.000	0.000	0.000
0.0889	1.592	0.141	0.992	0.000
0.1778	1.597	0.283	3.134	0.000
0.2667	1.601	0.425	6.128	0.000
0.3556	1.606	0.567	9.845	0.000
0.4444	1.611	0.710	14.20	0.000
0.5333	1.616	0.854	19.15	0.000
0.6222	1.620	0.998	24.63	0.000
0.7111	1.625	1.142	30.62	0.000
0.8000	1.630	1.287	37.07	0.000
0.8889	1.634	1.432	43.98	0.000
0.9778	1.639	1.577	51.30	0.000
1.0667	1.644	1.723	59.03	0.000
1.1556	1.649	1.870	67.14	0.000
1.2444	1.653	2.016	75.63	0.000
1.3333	1.658	2.164	84.46	0.000
1.4222	1.663	2.311	93.64	0.000
1.5111	1.667	2.459	103.1	0.000
1.6000	1.672	2.608	112.9	0.000
1.6889	1.677	2.757	123.1	0.000
1.7778	1.681	2.906	133.5	0.000
1.8667	1.686	3.056	144.2	0.000
1.9556	1.691	3.206	155.2	0.000
2.0444	1.696	3.356	166.5	0.000
2.1333	1.700	3.507	178.0	0.000
2.2222	1.705	3.659	189.8	0.000
2.3111	1.710	3.811	201.8	0.000
2.4000	1.714	3.963	214.1	0.000
2.4889	1.719	4.115	226.7	0.000
2.5778	1.724	4.268	239.5	0.000
2.6667	1.729	4.422	252.5	0.000
2.7556	1.733	4.576	265.7	0.000
2.8444	1.738	4.730	279.2	0.000
2.9333	1.743	4.885	292.8	0.000
3.0222	1.747	5.040	306.7	0.000
3.1111	1.752	5.196	320.8	0.000
3.2000	1.757	5.352	335.1	0.000
3.2889	1.761	5.508	349.6	0.000
3.3778	1.766	5.665	364.3	0.000
3.4667	1.771	5.822	379.2	0.000

3.5556	1.776	5.980	394.3	0.000
3.6444	1.780	6.138	409.6	0.000
3.7333	1.785	6.296	425.1	0.000
3.8222	1.790	6.455	440.8	0.000
3.9111	1.794	6.615	456.6	0.000
4.0000	1.799	6.774	472.6	0.000
4.0889	1.804	6.934	488.8	0.000
4.1778	1.809	7.095	505.2	0.000
4.2667	1.813	7.256	521.8	0.000
4.3556	1.818	7.417	538.5	0.000
4.4444	1.823	7.579	555.4	0.000
4.5333	1.827	7.742	572.5	0.000
4.6222	1.832	7.904	589.7	0.000
4.7111	1.837	8.067	607.1	0.000
4.8000	1.841	8.231	624.7	0.000
4.8889	1.846	8.395	642.4	0.000
4.9778	1.851	8.559	660.3	0.000
5.0667	1.856	8.724	678.3	0.000
5.1556	1.860	8.889	696.5	0.000
5.2444	1.865	9.055	714.9	0.000
5.3333	1.870	9.221	733.4	0.000
5.4222	1.874	9.387	752.1	0.000
5.5111	1.879	9.554	770.9	0.000
5.6000	1.884	9.721	789.8	0.000
5.6889	1.888	9.889	809.0	0.000
5.7778	1.893	10.05	828.2	0.000
5.8667	1.898	10.22	847.7	0.000
5.9556	1.903	10.39	867.2	0.000
6.0444	1.907	10.56	886.9	0.000
6.1333	1.912	10.73	906.8	0.000
6.2222	1.917	10.90	926.8	0.000
6.3111	1.921	11.07	946.9	0.000
6.4000	1.926	11.24	967.2	0.000
6.4889	1.931	11.41	987.6	0.000
6.5778	1.936	11.58	1008.	0.000
6.6667	1.940	11.76	1028.	0.000
6.7556	1.945	11.93	1049.	0.000
6.8444	1.950	12.10	1070.	0.000
6.9333	1.954	12.28	1091.	0.000
7.0222	1.959	12.45	1113.	0.000
7.1111	1.964	12.62	1134.	0.000
7.2000	1.968	12.80	1156.	0.000
7.2889	1.973	12.97	1177.	0.000
7.3778	1.978	13.15	1199.	0.000
7.4667	1.983	13.33	1221.	0.000
7.5556	1.987	13.50	1243.	0.000
7.6444	1.992	13.68	1265.	0.000
7.7333	1.997	13.86	1288.	0.000
7.8222	2.001	14.04	1310.	0.000
7.9111	2.006	14.21	1333.	0.000
8.0000	2.011	14.39	1355.	0.000
8.0889	2.016	14.57	1378.	0.000

Channel 13

Bottom Length: 1563.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0218 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.179	0.000	0.000	0.000
0.0889	0.182	0.016	0.550	0.000
0.1778	0.185	0.032	1.728	0.000
0.2667	0.189	0.049	3.365	0.000
0.3556	0.192	0.066	5.387	0.000
0.4444	0.195	0.083	7.750	0.000
0.5333	0.198	0.100	10.42	0.000
0.6222	0.201	0.118	13.38	0.000
0.7111	0.204	0.136	16.60	0.000
0.8000	0.208	0.155	20.08	0.000
0.8889	0.211	0.173	23.81	0.000
0.9778	0.214	0.192	27.76	0.000
1.0667	0.217	0.211	31.95	0.000
1.1556	0.220	0.231	36.35	0.000
1.2444	0.224	0.251	40.96	0.000
1.3333	0.227	0.271	45.78	0.000
1.4222	0.230	0.291	50.81	0.000
1.5111	0.233	0.312	56.04	0.000
1.6000	0.236	0.333	61.47	0.000
1.6889	0.240	0.354	67.09	0.000
1.7778	0.243	0.375	72.91	0.000
1.8667	0.246	0.397	78.93	0.000
1.9556	0.249	0.419	85.13	0.000
2.0444	0.252	0.441	91.53	0.000
2.1333	0.256	0.464	98.12	0.000
2.2222	0.259	0.487	104.9	0.000
2.3111	0.262	0.510	111.8	0.000
2.4000	0.265	0.533	119.0	0.000
2.4889	0.268	0.557	126.3	0.000
2.5778	0.271	0.581	133.8	0.000
2.6667	0.275	0.606	141.6	0.000
2.7556	0.278	0.630	149.5	0.000
2.8444	0.281	0.655	157.6	0.000
2.9333	0.284	0.680	165.8	0.000
3.0222	0.287	0.706	174.3	0.000
3.1111	0.291	0.731	183.0	0.000
3.2000	0.294	0.757	191.8	0.000
3.2889	0.297	0.784	200.9	0.000
3.3778	0.300	0.810	210.1	0.000
3.4667	0.303	0.837	219.5	0.000

3.5556	0.307	0.864	229.1	0.000
3.6444	0.310	0.892	238.9	0.000
3.7333	0.313	0.919	248.9	0.000
3.8222	0.316	0.947	259.1	0.000
3.9111	0.319	0.976	269.5	0.000
4.0000	0.323	1.004	280.1	0.000
4.0889	0.326	1.033	290.9	0.000
4.1778	0.329	1.062	301.8	0.000
4.2667	0.332	1.092	313.0	0.000
4.3556	0.335	1.121	324.4	0.000
4.4444	0.338	1.151	335.9	0.000
4.5333	0.342	1.182	347.7	0.000
4.6222	0.345	1.212	359.7	0.000
4.7111	0.348	1.243	371.8	0.000
4.8000	0.351	1.274	384.2	0.000
4.8889	0.354	1.306	396.8	0.000
4.9778	0.358	1.337	409.5	0.000
5.0667	0.361	1.369	422.5	0.000
5.1556	0.364	1.401	435.7	0.000
5.2444	0.367	1.434	449.1	0.000
5.3333	0.370	1.467	462.7	0.000
5.4222	0.374	1.500	476.5	0.000
5.5111	0.377	1.533	490.5	0.000
5.6000	0.380	1.567	504.7	0.000
5.6889	0.383	1.601	519.2	0.000
5.7778	0.386	1.635	533.8	0.000
5.8667	0.390	1.670	548.7	0.000
5.9556	0.393	1.705	563.7	0.000
6.0444	0.396	1.740	579.0	0.000
6.1333	0.399	1.775	594.5	0.000
6.2222	0.402	1.811	610.3	0.000
6.3111	0.405	1.847	626.2	0.000
6.4000	0.409	1.883	642.3	0.000
6.4889	0.412	1.919	658.7	0.000
6.5778	0.415	1.956	675.3	0.000
6.6667	0.418	1.993	692.1	0.000
6.7556	0.421	2.031	709.2	0.000
6.8444	0.425	2.068	726.4	0.000
6.9333	0.428	2.106	743.9	0.000
7.0222	0.431	2.144	761.6	0.000
7.1111	0.434	2.183	779.6	0.000
7.2000	0.437	2.222	797.7	0.000
7.2889	0.441	2.261	816.1	0.000
7.3778	0.444	2.300	834.7	0.000
7.4667	0.447	2.340	853.6	0.000
7.5556	0.450	2.380	872.7	0.000
7.6444	0.453	2.420	892.0	0.000
7.7333	0.457	2.460	911.5	0.000
7.8222	0.460	2.501	931.3	0.000
7.9111	0.463	2.542	951.3	0.000
8.0000	0.466	2.583	971.6	0.000
8.0889	0.469	2.625	992.0	0.000

POC 6

Bottom Length: 1704.00 ft.
Bottom Width: 20.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0088 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.782	0.000	0.000	0.000
0.1111	0.784	0.087	2.380	0.000
0.2222	0.786	0.174	7.518	0.000
0.3333	0.788	0.261	14.70	0.000
0.4444	0.791	0.349	23.62	0.000
0.5556	0.793	0.437	34.10	0.000
0.6667	0.795	0.525	45.98	0.000
0.7778	0.797	0.614	59.17	0.000
0.8889	0.799	0.703	73.57	0.000
1.0000	0.801	0.792	89.11	0.000
1.1111	0.804	0.881	105.7	0.000
1.2222	0.806	0.970	123.3	0.000
1.3333	0.808	1.060	141.9	0.000
1.4444	0.810	1.150	161.5	0.000
1.5556	0.812	1.240	181.9	0.000
1.6667	0.815	1.331	203.2	0.000
1.7778	0.817	1.421	225.4	0.000
1.8889	0.819	1.512	248.3	0.000
2.0000	0.821	1.603	272.0	0.000
2.1111	0.823	1.695	296.5	0.000
2.2222	0.825	1.786	321.6	0.000
2.3333	0.828	1.878	347.5	0.000
2.4444	0.830	1.970	374.1	0.000
2.5556	0.832	2.063	401.3	0.000
2.6667	0.834	2.155	429.2	0.000
2.7778	0.836	2.248	457.7	0.000
2.8889	0.838	2.341	486.8	0.000
3.0000	0.841	2.435	516.6	0.000
3.1111	0.843	2.528	546.9	0.000
3.2222	0.845	2.622	577.8	0.000
3.3333	0.847	2.716	609.3	0.000
3.4444	0.849	2.810	641.3	0.000
3.5556	0.851	2.905	673.8	0.000
3.6667	0.854	3.000	706.9	0.000
3.7778	0.856	3.095	740.5	0.000
3.8889	0.858	3.190	774.7	0.000
4.0000	0.860	3.286	809.3	0.000
4.1111	0.862	3.381	844.4	0.000
4.2222	0.865	3.477	880.0	0.000
4.3333	0.867	3.574	916.1	0.000

4.4444	0.869	3.670	952.7	0.000
4.5556	0.871	3.767	989.7	0.000
4.6667	0.873	3.864	1027.	0.000
4.7778	0.875	3.961	1065.	0.000
4.8889	0.878	4.058	1103.	0.000
5.0000	0.880	4.156	1142.	0.000
5.1111	0.882	4.254	1181.	0.000
5.2222	0.884	4.352	1221.	0.000
5.3333	0.886	4.450	1261.	0.000
5.4444	0.888	4.549	1301.	0.000
5.5556	0.891	4.648	1342.	0.000
5.6667	0.893	4.747	1384.	0.000
5.7778	0.895	4.847	1426.	0.000
5.8889	0.897	4.946	1468.	0.000
6.0000	0.899	5.046	1510.	0.000
6.1111	0.902	5.146	1553.	0.000
6.2222	0.904	5.246	1597.	0.000
6.3333	0.906	5.347	1640.	0.000
6.4444	0.908	5.448	1684.	0.000
6.5556	0.910	5.549	1729.	0.000
6.6667	0.912	5.650	1774.	0.000
6.7778	0.915	5.752	1819.	0.000
6.8889	0.917	5.854	1865.	0.000
7.0000	0.919	5.956	1911.	0.000
7.1111	0.921	6.058	1957.	0.000
7.2222	0.923	6.160	2004.	0.000
7.3333	0.925	6.263	2051.	0.000
7.4444	0.928	6.366	2098.	0.000
7.5556	0.930	6.469	2146.	0.000
7.6667	0.932	6.573	2194.	0.000
7.7778	0.934	6.677	2242.	0.000
7.8889	0.936	6.780	2291.	0.000
8.0000	0.938	6.885	2340.	0.000
8.1111	0.941	6.989	2390.	0.000
8.2222	0.943	7.094	2440.	0.000
8.3333	0.945	7.199	2490.	0.000
8.4444	0.947	7.304	2540.	0.000
8.5556	0.949	7.409	2591.	0.000
8.6667	0.952	7.515	2642.	0.000
8.7778	0.954	7.621	2694.	0.000
8.8889	0.956	7.727	2746.	0.000
9.0000	0.958	7.833	2798.	0.000
9.1111	0.960	7.940	2850.	0.000
9.2222	0.962	8.047	2903.	0.000
9.3333	0.965	8.154	2956.	0.000
9.4444	0.967	8.261	3010.	0.000
9.5556	0.969	8.369	3063.	0.000
9.6667	0.971	8.477	3117.	0.000
9.7778	0.973	8.585	3172.	0.000
9.8889	0.975	8.693	3227.	0.000
10.000	0.978	8.802	3282.	0.000
10.111	0.980	8.910	3337.	0.000

NF

Bottom Length: 759.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0264 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.174	0.000	0.000	0.000
0.0889	0.175	0.015	1.420	0.000
0.1778	0.177	0.031	4.485	0.000
0.2667	0.178	0.047	8.769	0.000
0.3556	0.180	0.063	14.09	0.000
0.4444	0.182	0.079	20.34	0.000
0.5333	0.183	0.095	27.43	0.000
0.6222	0.185	0.111	35.31	0.000
0.7111	0.186	0.128	43.92	0.000
0.8000	0.188	0.145	53.22	0.000
0.8889	0.189	0.161	63.18	0.000
0.9778	0.191	0.178	73.77	0.000
1.0667	0.192	0.195	84.96	0.000
1.1556	0.194	0.213	96.74	0.000
1.2444	0.195	0.230	109.0	0.000
1.3333	0.197	0.247	121.9	0.000
1.4222	0.199	0.265	135.3	0.000
1.5111	0.200	0.283	149.3	0.000
1.6000	0.202	0.301	163.7	0.000
1.6889	0.203	0.319	178.7	0.000
1.7778	0.205	0.337	194.1	0.000
1.8667	0.206	0.355	210.0	0.000
1.9556	0.208	0.374	226.3	0.000
2.0444	0.209	0.392	243.1	0.000
2.1333	0.211	0.411	260.4	0.000
2.2222	0.213	0.430	278.1	0.000
2.3111	0.214	0.449	296.3	0.000
2.4000	0.216	0.468	314.9	0.000
2.4889	0.217	0.487	333.9	0.000
2.5778	0.219	0.507	353.3	0.000
2.6667	0.220	0.526	373.2	0.000
2.7556	0.222	0.546	393.5	0.000
2.8444	0.223	0.566	414.2	0.000
2.9333	0.225	0.586	435.3	0.000
3.0222	0.227	0.606	456.8	0.000
3.1111	0.228	0.626	478.8	0.000
3.2000	0.230	0.646	501.1	0.000
3.2889	0.231	0.667	523.8	0.000
3.3778	0.233	0.688	546.9	0.000
3.4667	0.234	0.708	570.5	0.000

3.5556	0.236	0.729	594.4	0.000
3.6444	0.237	0.750	618.7	0.000
3.7333	0.239	0.772	643.4	0.000
3.8222	0.240	0.793	668.5	0.000
3.9111	0.242	0.814	694.0	0.000
4.0000	0.244	0.836	719.9	0.000
4.0889	0.245	0.858	746.1	0.000
4.1778	0.247	0.880	772.8	0.000
4.2667	0.248	0.902	799.8	0.000
4.3556	0.250	0.924	827.3	0.000
4.4444	0.251	0.946	855.1	0.000
4.5333	0.253	0.969	883.3	0.000
4.6222	0.254	0.991	911.8	0.000
4.7111	0.256	1.014	940.8	0.000
4.8000	0.258	1.037	970.2	0.000
4.8889	0.259	1.060	999.9	0.000
4.9778	0.261	1.083	1030.	0.000
5.0667	0.262	1.106	1060.	0.000
5.1556	0.264	1.130	1091.	0.000
5.2444	0.265	1.153	1122.	0.000
5.3333	0.267	1.177	1154.	0.000
5.4222	0.268	1.201	1186.	0.000
5.5111	0.270	1.225	1218.	0.000
5.6000	0.271	1.249	1251.	0.000
5.6889	0.273	1.273	1284.	0.000
5.7778	0.275	1.297	1318.	0.000
5.8667	0.276	1.322	1352.	0.000
5.9556	0.278	1.347	1386.	0.000
6.0444	0.279	1.371	1421.	0.000
6.1333	0.281	1.396	1456.	0.000
6.2222	0.282	1.421	1491.	0.000
6.3111	0.284	1.447	1527.	0.000
6.4000	0.285	1.472	1564.	0.000
6.4889	0.287	1.497	1600.	0.000
6.5778	0.289	1.523	1637.	0.000
6.6667	0.290	1.549	1675.	0.000
6.7556	0.292	1.575	1713.	0.000
6.8444	0.293	1.601	1751.	0.000
6.9333	0.295	1.627	1789.	0.000
7.0222	0.296	1.653	1828.	0.000
7.1111	0.298	1.680	1868.	0.000
7.2000	0.299	1.706	1907.	0.000
7.2889	0.301	1.733	1948.	0.000
7.3778	0.303	1.760	1988.	0.000
7.4667	0.304	1.787	2029.	0.000
7.5556	0.306	1.814	2070.	0.000
7.6444	0.307	1.841	2112.	0.000
7.7333	0.309	1.869	2154.	0.000
7.8222	0.310	1.896	2197.	0.000
7.9111	0.312	1.924	2240.	0.000
8.0000	0.313	1.952	2283.	0.000
8.0889	0.315	1.980	2327.	0.000

POC 7

Bottom Length: 227.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0264 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
NF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.036	0.000	0.000	0.000
0.0889	0.036	0.003	0.850	0.000
0.1778	0.037	0.006	2.678	0.000
0.2667	0.037	0.009	5.227	0.000
0.3556	0.038	0.013	8.385	0.000
0.4444	0.038	0.016	12.08	0.000
0.5333	0.039	0.020	16.27	0.000
0.6222	0.039	0.023	20.92	0.000
0.7111	0.040	0.027	25.99	0.000
0.8000	0.040	0.030	31.46	0.000
0.8889	0.041	0.034	37.32	0.000
0.9778	0.041	0.038	43.54	0.000
1.0667	0.042	0.041	50.11	0.000
1.1556	0.042	0.045	57.03	0.000
1.2444	0.043	0.049	64.27	0.000
1.3333	0.043	0.053	71.84	0.000
1.4222	0.043	0.057	79.71	0.000
1.5111	0.044	0.061	87.90	0.000
1.6000	0.044	0.065	96.38	0.000
1.6889	0.045	0.069	105.1	0.000
1.7778	0.045	0.073	114.2	0.000
1.8667	0.046	0.077	123.5	0.000
1.9556	0.046	0.081	133.2	0.000
2.0444	0.047	0.085	143.1	0.000
2.1333	0.047	0.089	153.3	0.000
2.2222	0.048	0.094	163.8	0.000
2.3111	0.048	0.098	174.5	0.000
2.4000	0.049	0.102	185.5	0.000
2.4889	0.049	0.107	196.8	0.000
2.5778	0.049	0.111	208.3	0.000
2.6667	0.050	0.115	220.1	0.000
2.7556	0.050	0.120	232.2	0.000
2.8444	0.051	0.124	244.5	0.000
2.9333	0.051	0.129	257.1	0.000
3.0222	0.052	0.134	270.0	0.000
3.1111	0.052	0.138	283.1	0.000
3.2000	0.053	0.143	296.5	0.000
3.2889	0.053	0.148	310.1	0.000
3.3778	0.054	0.153	324.0	0.000
3.4667	0.054	0.157	338.2	0.000

3.5556	0.055	0.162	352.6	0.000
3.6444	0.055	0.167	367.2	0.000
3.7333	0.056	0.172	382.2	0.000
3.8222	0.056	0.177	397.4	0.000
3.9111	0.056	0.182	412.8	0.000
4.0000	0.057	0.187	428.5	0.000
4.0889	0.057	0.192	444.5	0.000
4.1778	0.058	0.198	460.7	0.000
4.2667	0.058	0.203	477.2	0.000
4.3556	0.059	0.208	494.0	0.000
4.4444	0.059	0.213	511.0	0.000
4.5333	0.060	0.219	528.2	0.000
4.6222	0.060	0.224	545.8	0.000
4.7111	0.061	0.229	563.6	0.000
4.8000	0.061	0.235	581.6	0.000
4.8889	0.062	0.240	599.9	0.000
4.9778	0.062	0.246	618.5	0.000
5.0667	0.063	0.251	637.4	0.000
5.1556	0.063	0.257	656.5	0.000
5.2444	0.063	0.263	675.9	0.000
5.3333	0.064	0.268	695.5	0.000
5.4222	0.064	0.274	715.4	0.000
5.5111	0.065	0.280	735.6	0.000
5.6000	0.065	0.286	756.1	0.000
5.6889	0.066	0.292	776.8	0.000
5.7778	0.066	0.298	797.8	0.000
5.8667	0.067	0.303	819.1	0.000
5.9556	0.067	0.309	840.6	0.000
6.0444	0.068	0.315	862.4	0.000
6.1333	0.068	0.322	884.5	0.000
6.2222	0.069	0.328	906.8	0.000
6.3111	0.069	0.334	929.5	0.000
6.4000	0.069	0.340	952.4	0.000
6.4889	0.070	0.346	975.5	0.000
6.5778	0.070	0.353	999.0	0.000
6.6667	0.071	0.359	1022.	0.000
6.7556	0.071	0.365	1046.	0.000
6.8444	0.072	0.372	1071.	0.000
6.9333	0.072	0.378	1095.	0.000
7.0222	0.073	0.385	1120.	0.000
7.1111	0.073	0.391	1145.	0.000
7.2000	0.074	0.398	1171.	0.000
7.2889	0.074	0.404	1196.	0.000
7.3778	0.075	0.411	1222.	0.000
7.4667	0.075	0.418	1249.	0.000
7.5556	0.076	0.424	1275.	0.000
7.6444	0.076	0.431	1302.	0.000
7.7333	0.076	0.438	1329.	0.000
7.8222	0.077	0.445	1357.	0.000
7.9111	0.077	0.452	1384.	0.000
8.0000	0.078	0.459	1412.	0.000
8.0889	0.078	0.466	1441.	0.000

Channel 8

Bottom Length: 1453.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0138 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 7

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.233	0.000	0.000	0.000
0.0889	0.236	0.020	0.614	0.000
0.1778	0.239	0.042	1.936	0.000
0.2667	0.242	0.063	3.779	0.000
0.3556	0.245	0.085	6.062	0.000
0.4444	0.248	0.107	8.737	0.000
0.5333	0.251	0.129	11.76	0.000
0.6222	0.254	0.151	15.12	0.000
0.7111	0.257	0.174	18.79	0.000
0.8000	0.260	0.197	22.75	0.000
0.8889	0.263	0.220	26.98	0.000
0.9778	0.266	0.244	31.48	0.000
1.0667	0.269	0.268	36.23	0.000
1.1556	0.272	0.292	41.23	0.000
1.2444	0.275	0.316	46.47	0.000
1.3333	0.278	0.341	51.94	0.000
1.4222	0.280	0.365	57.63	0.000
1.5111	0.283	0.390	63.55	0.000
1.6000	0.286	0.416	69.68	0.000
1.6889	0.289	0.441	76.03	0.000
1.7778	0.292	0.467	82.59	0.000
1.8667	0.295	0.494	89.35	0.000
1.9556	0.298	0.520	96.32	0.000
2.0444	0.301	0.547	103.4	0.000
2.1333	0.304	0.574	110.8	0.000
2.2222	0.307	0.601	118.4	0.000
2.3111	0.310	0.628	126.1	0.000
2.4000	0.313	0.656	134.1	0.000
2.4889	0.316	0.684	142.3	0.000
2.5778	0.319	0.712	150.6	0.000
2.6667	0.322	0.741	159.1	0.000
2.7556	0.325	0.770	167.9	0.000
2.8444	0.328	0.799	176.8	0.000
2.9333	0.331	0.828	185.9	0.000
3.0222	0.334	0.858	195.2	0.000
3.1111	0.337	0.887	204.7	0.000
3.2000	0.340	0.918	214.3	0.000
3.2889	0.343	0.948	224.2	0.000
3.3778	0.346	0.979	234.2	0.000
3.4667	0.349	1.009	244.5	0.000

3.5556	0.352	1.041	254.9	0.000
3.6444	0.355	1.072	265.5	0.000
3.7333	0.358	1.104	276.3	0.000
3.8222	0.361	1.136	287.3	0.000
3.9111	0.364	1.168	298.5	0.000
4.0000	0.366	1.200	309.8	0.000
4.0889	0.369	1.233	321.4	0.000
4.1778	0.372	1.266	333.1	0.000
4.2667	0.375	1.299	345.0	0.000
4.3556	0.378	1.333	357.1	0.000
4.4444	0.381	1.367	369.4	0.000
4.5333	0.384	1.401	381.9	0.000
4.6222	0.387	1.435	394.6	0.000
4.7111	0.390	1.470	407.4	0.000
4.8000	0.393	1.505	420.5	0.000
4.8889	0.396	1.540	433.8	0.000
4.9778	0.399	1.575	447.2	0.000
5.0667	0.402	1.611	460.8	0.000
5.1556	0.405	1.647	474.6	0.000
5.2444	0.408	1.683	488.7	0.000
5.3333	0.411	1.719	502.9	0.000
5.4222	0.414	1.756	517.3	0.000
5.5111	0.417	1.793	531.8	0.000
5.6000	0.420	1.830	546.6	0.000
5.6889	0.423	1.868	561.6	0.000
5.7778	0.426	1.906	576.8	0.000
5.8667	0.429	1.944	592.2	0.000
5.9556	0.432	1.982	607.7	0.000
6.0444	0.435	2.020	623.5	0.000
6.1333	0.438	2.059	639.5	0.000
6.2222	0.441	2.098	655.6	0.000
6.3111	0.444	2.138	672.0	0.000
6.4000	0.447	2.177	688.5	0.000
6.4889	0.450	2.217	705.3	0.000
6.5778	0.453	2.257	722.3	0.000
6.6667	0.455	2.298	739.4	0.000
6.7556	0.458	2.338	756.8	0.000
6.8444	0.461	2.379	774.3	0.000
6.9333	0.464	2.420	792.1	0.000
7.0222	0.467	2.462	810.1	0.000
7.1111	0.470	2.504	828.3	0.000
7.2000	0.473	2.545	846.6	0.000
7.2889	0.476	2.588	865.2	0.000
7.3778	0.479	2.630	884.0	0.000
7.4667	0.482	2.673	903.0	0.000
7.5556	0.485	2.716	922.2	0.000
7.6444	0.488	2.759	941.6	0.000
7.7333	0.491	2.803	961.2	0.000
7.8222	0.494	2.847	981.1	0.000
7.9111	0.497	2.891	1001.	0.000
8.0000	0.500	2.935	1021.	0.000
8.0889	0.503	2.980	1041.	0.000

Urban 1

Bottom Length: 2254.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0142 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 7

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.310	0.000	0.000	0.000
0.0889	0.315	0.027	0.533	0.000
0.1778	0.319	0.056	1.679	0.000
0.2667	0.324	0.084	3.274	0.000
0.3556	0.328	0.113	5.248	0.000
0.4444	0.333	0.143	7.557	0.000
0.5333	0.338	0.172	10.17	0.000
0.6222	0.342	0.203	13.06	0.000
0.7111	0.347	0.233	16.22	0.000
0.8000	0.351	0.264	19.63	0.000
0.8889	0.356	0.296	23.28	0.000
0.9778	0.361	0.328	27.15	0.000
1.0667	0.365	0.360	31.25	0.000
1.1556	0.370	0.393	35.55	0.000
1.2444	0.374	0.426	40.06	0.000
1.3333	0.379	0.460	44.78	0.000
1.4222	0.384	0.493	49.69	0.000
1.5111	0.388	0.528	54.79	0.000
1.6000	0.393	0.563	60.09	0.000
1.6889	0.397	0.598	65.57	0.000
1.7778	0.402	0.633	71.23	0.000
1.8667	0.407	0.669	77.08	0.000
1.9556	0.411	0.706	83.10	0.000
2.0444	0.416	0.742	89.31	0.000
2.1333	0.420	0.780	95.69	0.000
2.2222	0.425	0.817	102.2	0.000
2.3111	0.430	0.855	108.9	0.000
2.4000	0.434	0.894	115.9	0.000
2.4889	0.439	0.933	122.9	0.000
2.5778	0.443	0.972	130.2	0.000
2.6667	0.448	1.011	137.6	0.000
2.7556	0.453	1.052	145.2	0.000
2.8444	0.457	1.092	153.0	0.000
2.9333	0.462	1.133	160.9	0.000
3.0222	0.466	1.174	169.0	0.000
3.1111	0.471	1.216	177.3	0.000
3.2000	0.476	1.258	185.8	0.000
3.2889	0.480	1.301	194.4	0.000
3.3778	0.485	1.343	203.2	0.000
3.4667	0.489	1.387	212.2	0.000

3.5556	0.494	1.431	221.3	0.000
3.6444	0.499	1.475	230.7	0.000
3.7333	0.503	1.519	240.1	0.000
3.8222	0.508	1.564	249.8	0.000
3.9111	0.512	1.610	259.6	0.000
4.0000	0.517	1.655	269.6	0.000
4.0889	0.522	1.702	279.8	0.000
4.1778	0.526	1.748	290.2	0.000
4.2667	0.531	1.795	300.7	0.000
4.3556	0.535	1.843	311.4	0.000
4.4444	0.540	1.891	322.3	0.000
4.5333	0.545	1.939	333.4	0.000
4.6222	0.549	1.987	344.6	0.000
4.7111	0.554	2.036	356.0	0.000
4.8000	0.558	2.086	367.6	0.000
4.8889	0.563	2.136	379.4	0.000
4.9778	0.568	2.186	391.3	0.000
5.0667	0.572	2.237	403.4	0.000
5.1556	0.577	2.288	415.7	0.000
5.2444	0.581	2.339	428.2	0.000
5.3333	0.586	2.391	440.9	0.000
5.4222	0.591	2.444	453.7	0.000
5.5111	0.595	2.496	466.8	0.000
5.6000	0.600	2.550	480.0	0.000
5.6889	0.604	2.603	493.4	0.000
5.7778	0.609	2.657	506.9	0.000
5.8667	0.614	2.712	520.7	0.000
5.9556	0.618	2.766	534.7	0.000
6.0444	0.623	2.822	548.8	0.000
6.1333	0.627	2.877	563.1	0.000
6.2222	0.632	2.933	577.6	0.000
6.3111	0.637	2.990	592.3	0.000
6.4000	0.641	3.046	607.2	0.000
6.4889	0.646	3.104	622.3	0.000
6.5778	0.650	3.161	637.6	0.000
6.6667	0.655	3.219	653.0	0.000
6.7556	0.660	3.278	668.7	0.000
6.8444	0.664	3.337	684.5	0.000
6.9333	0.669	3.396	700.6	0.000
7.0222	0.673	3.456	716.8	0.000
7.1111	0.678	3.516	733.2	0.000
7.2000	0.683	3.576	749.9	0.000
7.2889	0.687	3.637	766.7	0.000
7.3778	0.692	3.699	783.7	0.000
7.4667	0.696	3.760	800.9	0.000
7.5556	0.701	3.822	818.3	0.000
7.6444	0.706	3.885	835.9	0.000
7.7333	0.710	3.948	853.7	0.000
7.8222	0.715	4.011	871.8	0.000
7.9111	0.719	4.075	890.0	0.000
8.0000	0.724	4.139	908.4	0.000
8.0889	0.729	4.204	927.0	0.000

Upstream POC 5

Bottom Length: 1876.00 ft.
Bottom Width: 20.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0048 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.861	0.000	0.000	0.000
0.1111	0.863	0.095	1.506	0.000
0.2222	0.866	0.191	4.759	0.000
0.3333	0.868	0.288	9.306	0.000
0.4444	0.870	0.384	14.95	0.000
0.5556	0.873	0.481	21.58	0.000
0.6667	0.875	0.579	29.11	0.000
0.7778	0.878	0.676	37.45	0.000
0.8889	0.880	0.774	46.57	0.000
1.0000	0.882	0.872	56.41	0.000
1.1111	0.885	0.970	66.93	0.000
1.2222	0.887	1.068	78.09	0.000
1.3333	0.890	1.167	89.88	0.000
1.4444	0.892	1.266	102.2	0.000
1.5556	0.894	1.365	115.2	0.000
1.6667	0.897	1.465	128.6	0.000
1.7778	0.899	1.565	142.7	0.000
1.8889	0.902	1.665	157.2	0.000
2.0000	0.904	1.765	172.2	0.000
2.1111	0.906	1.866	187.7	0.000
2.2222	0.909	1.967	203.6	0.000
2.3333	0.911	2.068	220.0	0.000
2.4444	0.914	2.169	236.8	0.000
2.5556	0.916	2.271	254.0	0.000
2.6667	0.918	2.373	271.7	0.000
2.7778	0.921	2.475	289.7	0.000
2.8889	0.923	2.578	308.2	0.000
3.0000	0.926	2.680	327.0	0.000
3.1111	0.928	2.784	346.2	0.000
3.2222	0.930	2.887	365.8	0.000
3.3333	0.933	2.990	385.7	0.000
3.4444	0.935	3.094	405.9	0.000
3.5556	0.937	3.198	426.6	0.000
3.6667	0.940	3.303	447.5	0.000
3.7778	0.942	3.407	468.8	0.000
3.8889	0.945	3.512	490.4	0.000
4.0000	0.947	3.617	512.3	0.000
4.1111	0.949	3.723	534.5	0.000
4.2222	0.952	3.828	557.1	0.000
4.3333	0.954	3.934	579.9	0.000

4.4444	0.957	4.040	603.1	0.000
4.5556	0.959	4.147	626.5	0.000
4.6667	0.961	4.254	650.2	0.000
4.7778	0.964	4.361	674.3	0.000
4.8889	0.966	4.468	698.6	0.000
5.0000	0.969	4.575	723.1	0.000
5.1111	0.971	4.683	748.0	0.000
5.2222	0.973	4.791	773.1	0.000
5.3333	0.976	4.900	798.5	0.000
5.4444	0.978	5.008	824.2	0.000
5.5556	0.981	5.117	850.1	0.000
5.6667	0.983	5.226	876.3	0.000
5.7778	0.985	5.336	902.7	0.000
5.8889	0.988	5.445	929.4	0.000
6.0000	0.990	5.555	956.3	0.000
6.1111	0.993	5.665	983.5	0.000
6.2222	0.995	5.776	1011.	0.000
6.3333	0.997	5.887	1038.	0.000
6.4444	1.000	5.998	1066.	0.000
6.5556	1.002	6.109	1094.	0.000
6.6667	1.004	6.220	1123.	0.000
6.7778	1.007	6.332	1151.	0.000
6.8889	1.009	6.444	1180.	0.000
7.0000	1.012	6.557	1209.	0.000
7.1111	1.014	6.669	1239.	0.000
7.2222	1.016	6.782	1268.	0.000
7.3333	1.019	6.895	1298.	0.000
7.4444	1.021	7.009	1328.	0.000
7.5556	1.024	7.122	1358.	0.000
7.6667	1.026	7.236	1389.	0.000
7.7778	1.028	7.350	1419.	0.000
7.8889	1.031	7.465	1450.	0.000
8.0000	1.033	7.580	1481.	0.000
8.1111	1.036	7.694	1513.	0.000
8.2222	1.038	7.810	1544.	0.000
8.3333	1.040	7.925	1576.	0.000
8.4444	1.043	8.041	1608.	0.000
8.5556	1.045	8.157	1640.	0.000
8.6667	1.048	8.273	1672.	0.000
8.7778	1.050	8.390	1705.	0.000
8.8889	1.052	8.507	1738.	0.000
9.0000	1.055	8.624	1771.	0.000
9.1111	1.057	8.741	1804.	0.000
9.2222	1.060	8.859	1838.	0.000
9.3333	1.062	8.977	1871.	0.000
9.4444	1.064	9.095	1905.	0.000
9.5556	1.067	9.213	1939.	0.000
9.6667	1.069	9.332	1973.	0.000
9.7778	1.071	9.451	2008.	0.000
9.8889	1.074	9.570	2042.	0.000
10.000	1.076	9.690	2077.	0.000
10.111	1.079	9.810	2112.	0.000

POC 5

Bottom Length: 408.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0055 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.206	0.000	0.000	0.000
0.1667	0.206	0.034	3.045	0.000
0.3333	0.207	0.068	9.602	0.000
0.5000	0.208	0.103	18.74	0.000
0.6667	0.209	0.138	30.07	0.000
0.8333	0.210	0.173	43.33	0.000
1.0000	0.210	0.208	58.34	0.000
1.1667	0.211	0.243	74.95	0.000
1.3333	0.212	0.278	93.05	0.000
1.5000	0.213	0.314	112.5	0.000
1.6667	0.213	0.349	133.3	0.000
1.8333	0.214	0.385	155.4	0.000
2.0000	0.215	0.421	178.6	0.000
2.1667	0.216	0.457	202.9	0.000
2.3333	0.217	0.493	228.4	0.000
2.5000	0.217	0.529	254.8	0.000
2.6667	0.218	0.566	282.3	0.000
2.8333	0.219	0.602	310.6	0.000
3.0000	0.220	0.639	339.9	0.000
3.1667	0.220	0.676	370.1	0.000
3.3333	0.221	0.712	401.2	0.000
3.5000	0.222	0.749	433.1	0.000
3.6667	0.223	0.787	465.8	0.000
3.8333	0.224	0.824	499.3	0.000
4.0000	0.224	0.861	533.5	0.000
4.1667	0.225	0.899	568.5	0.000
4.3333	0.226	0.937	604.2	0.000
4.5000	0.227	0.974	640.6	0.000
4.6667	0.227	1.012	677.8	0.000
4.8333	0.228	1.050	715.6	0.000
5.0000	0.229	1.088	754.0	0.000
5.1667	0.230	1.127	793.2	0.000
5.3333	0.231	1.165	832.9	0.000
5.5000	0.231	1.204	873.3	0.000
5.6667	0.232	1.243	914.3	0.000
5.8333	0.233	1.281	956.0	0.000
6.0000	0.234	1.320	998.2	0.000
6.1667	0.235	1.359	1041.	0.000
6.3333	0.235	1.399	1084.	0.000
6.5000	0.236	1.438	1128.	0.000

6.6667	0.237	1.477	1172.	0.000
6.8333	0.238	1.517	1217.	0.000
7.0000	0.238	1.557	1263.	0.000
7.1667	0.239	1.597	1309.	0.000
7.3333	0.240	1.637	1356.	0.000
7.5000	0.241	1.677	1403.	0.000
7.6667	0.242	1.717	1451.	0.000
7.8333	0.242	1.758	1499.	0.000
8.0000	0.243	1.798	1548.	0.000
8.1667	0.244	1.839	1597.	0.000
8.3333	0.245	1.880	1647.	0.000
8.5000	0.245	1.920	1697.	0.000
8.6667	0.246	1.962	1748.	0.000
8.8333	0.247	2.003	1799.	0.000
9.0000	0.248	2.044	1851.	0.000
9.1667	0.249	2.085	1903.	0.000
9.3333	0.249	2.127	1956.	0.000
9.5000	0.250	2.169	2009.	0.000
9.6667	0.251	2.211	2063.	0.000
9.8333	0.252	2.253	2117.	0.000
10.000	0.253	2.295	2172.	0.000
10.167	0.253	2.337	2227.	0.000
10.333	0.254	2.379	2282.	0.000
10.500	0.255	2.422	2338.	0.000
10.667	0.256	2.464	2394.	0.000
10.833	0.256	2.507	2451.	0.000
11.000	0.257	2.550	2509.	0.000
11.167	0.258	2.593	2566.	0.000
11.333	0.259	2.636	2625.	0.000
11.500	0.260	2.679	2683.	0.000
11.667	0.260	2.723	2742.	0.000
11.833	0.261	2.766	2802.	0.000
12.000	0.262	2.810	2862.	0.000
12.167	0.263	2.854	2922.	0.000
12.333	0.263	2.898	2983.	0.000
12.500	0.264	2.942	3044.	0.000
12.667	0.265	2.986	3106.	0.000
12.833	0.266	3.030	3168.	0.000
13.000	0.267	3.075	3231.	0.000
13.167	0.267	3.119	3294.	0.000
13.333	0.268	3.164	3357.	0.000
13.500	0.269	3.209	3421.	0.000
13.667	0.270	3.254	3485.	0.000
13.833	0.270	3.299	3550.	0.000
14.000	0.271	3.344	3615.	0.000
14.167	0.272	3.389	3680.	0.000
14.333	0.273	3.435	3746.	0.000
14.500	0.274	3.480	3813.	0.000
14.667	0.274	3.526	3879.	0.000
14.833	0.275	3.572	3947.	0.000
15.000	0.276	3.618	4014.	0.000
15.167	0.277	3.664	4082.	0.000

Urban 2

Bottom Length: 585.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0137 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.107	0.000	0.000	0.000
0.1111	0.108	0.012	0.887	0.000
0.2222	0.110	0.024	2.795	0.000
0.3333	0.111	0.036	5.451	0.000
0.4444	0.113	0.049	8.740	0.000
0.5556	0.114	0.061	12.59	0.000
0.6667	0.116	0.074	16.95	0.000
0.7778	0.117	0.087	21.78	0.000
0.8889	0.119	0.100	27.05	0.000
1.0000	0.120	0.114	32.74	0.000
1.1111	0.122	0.127	38.82	0.000
1.2222	0.123	0.141	45.29	0.000
1.3333	0.125	0.155	52.12	0.000
1.4444	0.126	0.169	59.30	0.000
1.5556	0.128	0.183	66.83	0.000
1.6667	0.129	0.197	74.70	0.000
1.7778	0.131	0.212	82.89	0.000
1.8889	0.132	0.226	91.40	0.000
2.0000	0.134	0.241	100.2	0.000
2.1111	0.135	0.256	109.3	0.000
2.2222	0.137	0.271	118.8	0.000
2.3333	0.138	0.287	128.5	0.000
2.4444	0.140	0.302	138.5	0.000
2.5556	0.141	0.318	148.9	0.000
2.6667	0.143	0.334	159.5	0.000
2.7778	0.144	0.350	170.4	0.000
2.8889	0.146	0.366	181.6	0.000
3.0000	0.147	0.382	193.1	0.000
3.1111	0.149	0.399	204.9	0.000
3.2222	0.150	0.415	216.9	0.000
3.3333	0.152	0.432	229.2	0.000
3.4444	0.153	0.449	241.9	0.000
3.5556	0.155	0.466	254.8	0.000
3.6667	0.156	0.484	267.9	0.000
3.7778	0.158	0.501	281.4	0.000
3.8889	0.159	0.519	295.1	0.000
4.0000	0.161	0.537	309.2	0.000
4.1111	0.162	0.555	323.4	0.000
4.2222	0.164	0.573	338.0	0.000
4.3333	0.165	0.591	352.9	0.000

4.4444	0.167	0.610	368.0	0.000
4.5556	0.168	0.628	383.4	0.000
4.6667	0.170	0.647	399.1	0.000
4.7778	0.171	0.666	415.1	0.000
4.8889	0.173	0.685	431.3	0.000
5.0000	0.174	0.705	447.9	0.000
5.1111	0.176	0.724	464.7	0.000
5.2222	0.177	0.744	481.8	0.000
5.3333	0.179	0.764	499.1	0.000
5.4444	0.180	0.784	516.8	0.000
5.5556	0.182	0.804	534.7	0.000
5.6667	0.183	0.824	553.0	0.000
5.7778	0.185	0.845	571.5	0.000
5.8889	0.186	0.865	590.3	0.000
6.0000	0.188	0.886	609.3	0.000
6.1111	0.189	0.907	628.7	0.000
6.2222	0.191	0.928	648.4	0.000
6.3333	0.192	0.949	668.3	0.000
6.4444	0.194	0.971	688.5	0.000
6.5556	0.195	0.993	709.1	0.000
6.6667	0.197	1.014	729.9	0.000
6.7778	0.198	1.036	751.0	0.000
6.8889	0.200	1.059	772.4	0.000
7.0000	0.201	1.081	794.1	0.000
7.1111	0.203	1.103	816.1	0.000
7.2222	0.204	1.126	838.4	0.000
7.3333	0.206	1.149	860.9	0.000
7.4444	0.207	1.172	883.8	0.000
7.5556	0.209	1.195	907.0	0.000
7.6667	0.210	1.218	930.5	0.000
7.7778	0.212	1.242	954.3	0.000
7.8889	0.213	1.265	978.3	0.000
8.0000	0.215	1.289	1002.	0.000
8.1111	0.216	1.313	1027.	0.000
8.2222	0.217	1.337	1052.	0.000
8.3333	0.219	1.361	1077.	0.000
8.4444	0.220	1.386	1103.	0.000
8.5556	0.222	1.411	1129.	0.000
8.6667	0.223	1.435	1155.	0.000
8.7778	0.225	1.460	1182.	0.000
8.8889	0.226	1.485	1208.	0.000
9.0000	0.228	1.511	1235.	0.000
9.1111	0.229	1.536	1263.	0.000
9.2222	0.231	1.562	1291.	0.000
9.3333	0.232	1.588	1319.	0.000
9.4444	0.234	1.614	1347.	0.000
9.5556	0.235	1.640	1376.	0.000
9.6667	0.237	1.666	1405.	0.000
9.7778	0.238	1.692	1434.	0.000
9.8889	0.240	1.719	1464.	0.000
10.000	0.241	1.746	1494.	0.000
10.111	0.243	1.773	1524.	0.000

Channel 12

Bottom Length: 3016.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0146 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.346	0.000	0.000	0.000
0.0889	0.352	0.031	0.450	0.000
0.1778	0.358	0.062	1.414	0.000
0.2667	0.364	0.094	2.754	0.000
0.3556	0.370	0.127	4.409	0.000
0.4444	0.377	0.160	6.342	0.000
0.5333	0.383	0.194	8.529	0.000
0.6222	0.389	0.228	10.95	0.000
0.7111	0.395	0.263	13.59	0.000
0.8000	0.401	0.299	16.44	0.000
0.8889	0.407	0.335	19.48	0.000
0.9778	0.413	0.371	22.72	0.000
1.0667	0.420	0.408	26.14	0.000
1.1556	0.426	0.446	29.74	0.000
1.2444	0.432	0.484	33.52	0.000
1.3333	0.438	0.523	37.47	0.000
1.4222	0.444	0.562	41.58	0.000
1.5111	0.450	0.602	45.86	0.000
1.6000	0.457	0.642	50.30	0.000
1.6889	0.463	0.683	54.91	0.000
1.7778	0.469	0.724	59.67	0.000
1.8667	0.475	0.766	64.59	0.000
1.9556	0.481	0.809	69.67	0.000
2.0444	0.487	0.852	74.90	0.000
2.1333	0.493	0.896	80.29	0.000
2.2222	0.500	0.940	85.84	0.000
2.3111	0.506	0.985	91.54	0.000
2.4000	0.512	1.030	97.39	0.000
2.4889	0.518	1.076	103.4	0.000
2.5778	0.524	1.122	109.5	0.000
2.6667	0.530	1.169	115.8	0.000
2.7556	0.537	1.216	122.3	0.000
2.8444	0.543	1.264	128.9	0.000
2.9333	0.549	1.313	135.7	0.000
3.0222	0.555	1.362	142.6	0.000
3.1111	0.561	1.412	149.7	0.000
3.2000	0.567	1.462	157.0	0.000
3.2889	0.573	1.513	164.4	0.000
3.3778	0.580	1.564	171.9	0.000
3.4667	0.586	1.616	179.6	0.000

3.5556	0.592	1.668	187.5	0.000
3.6444	0.598	1.721	195.5	0.000
3.7333	0.604	1.775	203.7	0.000
3.8222	0.610	1.829	212.0	0.000
3.9111	0.617	1.883	220.5	0.000
4.0000	0.623	1.938	229.2	0.000
4.0889	0.629	1.994	238.0	0.000
4.1778	0.635	2.050	247.0	0.000
4.2667	0.641	2.107	256.1	0.000
4.3556	0.647	2.164	265.4	0.000
4.4444	0.653	2.222	274.9	0.000
4.5333	0.660	2.280	284.5	0.000
4.6222	0.666	2.339	294.3	0.000
4.7111	0.672	2.399	304.3	0.000
4.8000	0.678	2.459	314.4	0.000
4.8889	0.684	2.520	324.7	0.000
4.9778	0.690	2.581	335.1	0.000
5.0667	0.697	2.642	345.8	0.000
5.1556	0.703	2.705	356.5	0.000
5.2444	0.709	2.767	367.5	0.000
5.3333	0.715	2.831	378.6	0.000
5.4222	0.721	2.895	389.9	0.000
5.5111	0.727	2.959	401.4	0.000
5.6000	0.734	3.024	413.0	0.000
5.6889	0.740	3.089	424.9	0.000
5.7778	0.746	3.156	436.8	0.000
5.8667	0.752	3.222	449.0	0.000
5.9556	0.758	3.289	461.3	0.000
6.0444	0.764	3.357	473.9	0.000
6.1333	0.770	3.425	486.5	0.000
6.2222	0.777	3.494	499.4	0.000
6.3111	0.783	3.563	512.4	0.000
6.4000	0.789	3.633	525.7	0.000
6.4889	0.795	3.704	539.1	0.000
6.5778	0.801	3.775	552.7	0.000
6.6667	0.807	3.846	566.4	0.000
6.7556	0.814	3.918	580.4	0.000
6.8444	0.820	3.991	594.5	0.000
6.9333	0.826	4.064	608.8	0.000
7.0222	0.832	4.138	623.3	0.000
7.1111	0.838	4.212	638.0	0.000
7.2000	0.844	4.287	652.8	0.000
7.2889	0.850	4.362	667.9	0.000
7.3778	0.857	4.438	683.1	0.000
7.4667	0.863	4.515	698.5	0.000
7.5556	0.869	4.592	714.2	0.000
7.6444	0.875	4.669	730.0	0.000
7.7333	0.881	4.747	746.0	0.000
7.8222	0.887	4.826	762.1	0.000
7.9111	0.894	4.905	778.5	0.000
8.0000	0.900	4.985	795.1	0.000
8.0889	0.906	5.065	811.8	0.000

Upstream POC 3/4

Bottom Length: 1443.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0055 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.728	0.000	0.000	0.000
0.1667	0.731	0.121	3.045	0.000
0.3333	0.734	0.243	9.602	0.000
0.5000	0.737	0.366	18.74	0.000
0.6667	0.739	0.489	30.07	0.000
0.8333	0.742	0.613	43.33	0.000
1.0000	0.745	0.737	58.34	0.000
1.1667	0.748	0.861	74.95	0.000
1.3333	0.750	0.986	93.05	0.000
1.5000	0.753	1.111	112.5	0.000
1.6667	0.756	1.237	133.3	0.000
1.8333	0.759	1.364	155.4	0.000
2.0000	0.761	1.490	178.6	0.000
2.1667	0.764	1.617	202.9	0.000
2.3333	0.767	1.745	228.4	0.000
2.5000	0.770	1.873	254.8	0.000
2.6667	0.773	2.002	282.3	0.000
2.8333	0.775	2.131	310.6	0.000
3.0000	0.778	2.260	339.9	0.000
3.1667	0.781	2.390	370.1	0.000
3.3333	0.784	2.521	401.2	0.000
3.5000	0.786	2.652	433.1	0.000
3.6667	0.789	2.783	465.8	0.000
3.8333	0.792	2.915	499.3	0.000
4.0000	0.795	3.047	533.5	0.000
4.1667	0.797	3.180	568.5	0.000
4.3333	0.800	3.313	604.2	0.000
4.5000	0.803	3.447	640.6	0.000
4.6667	0.806	3.581	677.8	0.000
4.8333	0.808	3.716	715.6	0.000
5.0000	0.811	3.851	754.0	0.000
5.1667	0.814	3.986	793.2	0.000
5.3333	0.817	4.122	832.9	0.000
5.5000	0.819	4.258	873.3	0.000
5.6667	0.822	4.395	914.3	0.000
5.8333	0.825	4.533	956.0	0.000
6.0000	0.828	4.671	998.2	0.000
6.1667	0.831	4.809	1041.	0.000
6.3333	0.833	4.948	1084.	0.000
6.5000	0.836	5.087	1128.	0.000

6.6667	0.839	5.226	1172.	0.000
6.8333	0.842	5.366	1217.	0.000
7.0000	0.844	5.507	1263.	0.000
7.1667	0.847	5.648	1309.	0.000
7.3333	0.850	5.790	1356.	0.000
7.5000	0.853	5.931	1403.	0.000
7.6667	0.855	6.074	1451.	0.000
7.8333	0.858	6.217	1499.	0.000
8.0000	0.861	6.360	1548.	0.000
8.1667	0.864	6.504	1597.	0.000
8.3333	0.866	6.648	1647.	0.000
8.5000	0.869	6.793	1697.	0.000
8.6667	0.872	6.938	1748.	0.000
8.8333	0.875	7.084	1799.	0.000
9.0000	0.877	7.230	1851.	0.000
9.1667	0.880	7.376	1903.	0.000
9.3333	0.883	7.523	1956.	0.000
9.5000	0.886	7.671	2009.	0.000
9.6667	0.889	7.819	2063.	0.000
9.8333	0.891	7.967	2117.	0.000
10.000	0.894	8.116	2172.	0.000
10.167	0.897	8.265	2227.	0.000
10.333	0.900	8.415	2282.	0.000
10.500	0.902	8.565	2338.	0.000
10.667	0.905	8.716	2394.	0.000
10.833	0.908	8.867	2451.	0.000
11.000	0.911	9.019	2509.	0.000
11.167	0.913	9.171	2566.	0.000
11.333	0.916	9.323	2625.	0.000
11.500	0.919	9.476	2683.	0.000
11.667	0.922	9.630	2742.	0.000
11.833	0.924	9.784	2802.	0.000
12.000	0.927	9.938	2862.	0.000
12.167	0.930	10.09	2922.	0.000
12.333	0.933	10.24	2983.	0.000
12.500	0.935	10.40	3044.	0.000
12.667	0.938	10.56	3106.	0.000
12.833	0.941	10.71	3168.	0.000
13.000	0.944	10.87	3231.	0.000
13.167	0.947	11.03	3294.	0.000
13.333	0.949	11.19	3357.	0.000
13.500	0.952	11.34	3421.	0.000
13.667	0.955	11.50	3485.	0.000
13.833	0.958	11.66	3550.	0.000
14.000	0.960	11.82	3615.	0.000
14.167	0.963	11.98	3680.	0.000
14.333	0.966	12.14	3746.	0.000
14.500	0.969	12.30	3813.	0.000
14.667	0.971	12.47	3879.	0.000
14.833	0.974	12.63	3947.	0.000
15.000	0.977	12.79	4014.	0.000
15.167	0.980	12.95	4082.	0.000

POC 11

Bottom Length: 1435.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0223 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
SF POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.131	0.000	0.000	0.000
0.0889	0.134	0.011	0.444	0.000
0.1778	0.137	0.023	1.391	0.000
0.2667	0.140	0.036	2.704	0.000
0.3556	0.143	0.048	4.323	0.000
0.4444	0.146	0.061	6.212	0.000
0.5333	0.149	0.075	8.346	0.000
0.6222	0.152	0.088	10.70	0.000
0.7111	0.155	0.102	13.28	0.000
0.8000	0.158	0.116	16.06	0.000
0.8889	0.161	0.130	19.03	0.000
0.9778	0.164	0.144	22.19	0.000
1.0667	0.166	0.159	25.54	0.000
1.1556	0.169	0.174	29.06	0.000
1.2444	0.172	0.189	32.76	0.000
1.3333	0.175	0.205	36.63	0.000
1.4222	0.178	0.220	40.67	0.000
1.5111	0.181	0.236	44.88	0.000
1.6000	0.184	0.253	49.26	0.000
1.6889	0.187	0.269	53.80	0.000
1.7778	0.190	0.286	58.51	0.000
1.8667	0.193	0.303	63.38	0.000
1.9556	0.196	0.320	68.42	0.000
2.0444	0.199	0.338	73.62	0.000
2.1333	0.202	0.356	78.98	0.000
2.2222	0.205	0.374	84.51	0.000
2.3111	0.207	0.392	90.21	0.000
2.4000	0.210	0.411	96.06	0.000
2.4889	0.213	0.430	102.0	0.000
2.5778	0.216	0.449	108.2	0.000
2.6667	0.219	0.468	114.6	0.000
2.7556	0.222	0.488	121.1	0.000
2.8444	0.225	0.508	127.8	0.000
2.9333	0.228	0.528	134.6	0.000
3.0222	0.231	0.548	141.7	0.000
3.1111	0.234	0.569	148.9	0.000
3.2000	0.237	0.590	156.2	0.000
3.2889	0.240	0.611	163.7	0.000
3.3778	0.243	0.633	171.4	0.000
3.4667	0.246	0.654	179.3	0.000

3.5556	0.248	0.676	187.4	0.000
3.6444	0.251	0.699	195.6	0.000
3.7333	0.254	0.721	204.0	0.000
3.8222	0.257	0.744	212.6	0.000
3.9111	0.260	0.767	221.3	0.000
4.0000	0.263	0.790	230.2	0.000
4.0889	0.266	0.814	239.3	0.000
4.1778	0.269	0.838	248.6	0.000
4.2667	0.272	0.862	258.1	0.000
4.3556	0.275	0.886	267.7	0.000
4.4444	0.278	0.911	277.5	0.000
4.5333	0.281	0.935	287.6	0.000
4.6222	0.284	0.961	297.8	0.000
4.7111	0.287	0.986	308.1	0.000
4.8000	0.289	1.012	318.7	0.000
4.8889	0.292	1.038	329.5	0.000
4.9778	0.295	1.064	340.4	0.000
5.0667	0.298	1.090	351.5	0.000
5.1556	0.301	1.117	362.9	0.000
5.2444	0.304	1.144	374.4	0.000
5.3333	0.307	1.171	386.1	0.000
5.4222	0.310	1.198	398.0	0.000
5.5111	0.313	1.226	410.1	0.000
5.6000	0.316	1.254	422.4	0.000
5.6889	0.319	1.282	434.8	0.000
5.7778	0.322	1.311	447.5	0.000
5.8667	0.325	1.340	460.4	0.000
5.9556	0.328	1.369	473.5	0.000
6.0444	0.331	1.398	486.8	0.000
6.1333	0.333	1.428	500.3	0.000
6.2222	0.336	1.457	513.9	0.000
6.3111	0.339	1.487	527.8	0.000
6.4000	0.342	1.518	541.9	0.000
6.4889	0.345	1.548	556.2	0.000
6.5778	0.348	1.579	570.8	0.000
6.6667	0.351	1.610	585.5	0.000
6.7556	0.354	1.642	600.4	0.000
6.8444	0.357	1.673	615.5	0.000
6.9333	0.360	1.705	630.9	0.000
7.0222	0.363	1.737	646.4	0.000
7.1111	0.366	1.770	662.2	0.000
7.2000	0.369	1.802	678.2	0.000
7.2889	0.372	1.835	694.4	0.000
7.3778	0.374	1.869	710.8	0.000
7.4667	0.377	1.902	727.5	0.000
7.5556	0.380	1.936	744.3	0.000
7.6444	0.383	1.970	761.4	0.000
7.7333	0.386	2.004	778.7	0.000
7.8222	0.389	2.038	796.2	0.000
7.9111	0.392	2.073	813.9	0.000
8.0000	0.395	2.108	831.9	0.000
8.0889	0.398	2.143	850.1	0.000

SF POC 3/4

Bottom Length: 749.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0214 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.068	0.000	0.000	0.000
0.0889	0.070	0.006	0.434	0.000
0.1778	0.071	0.012	1.363	0.000
0.2667	0.073	0.019	2.649	0.000
0.3556	0.074	0.025	4.235	0.000
0.4444	0.076	0.032	6.085	0.000
0.5333	0.078	0.039	8.176	0.000
0.6222	0.079	0.046	10.48	0.000
0.7111	0.081	0.053	13.01	0.000
0.8000	0.082	0.060	15.73	0.000
0.8889	0.084	0.067	18.64	0.000
0.9778	0.085	0.075	21.74	0.000
1.0667	0.087	0.083	25.02	0.000
1.1556	0.088	0.091	28.47	0.000
1.2444	0.090	0.098	32.09	0.000
1.3333	0.091	0.107	35.88	0.000
1.4222	0.093	0.115	39.84	0.000
1.5111	0.094	0.123	43.97	0.000
1.6000	0.096	0.132	48.25	0.000
1.6889	0.097	0.140	52.70	0.000
1.7778	0.099	0.149	57.32	0.000
1.8667	0.100	0.158	62.09	0.000
1.9556	0.102	0.167	67.02	0.000
2.0444	0.103	0.176	72.12	0.000
2.1333	0.105	0.185	77.37	0.000
2.2222	0.107	0.195	82.79	0.000
2.3111	0.108	0.204	88.37	0.000
2.4000	0.110	0.214	94.10	0.000
2.4889	0.111	0.224	100.0	0.000
2.5778	0.113	0.234	106.0	0.000
2.6667	0.114	0.244	112.2	0.000
2.7556	0.116	0.254	118.6	0.000
2.8444	0.117	0.265	125.2	0.000
2.9333	0.119	0.275	131.9	0.000
3.0222	0.120	0.286	138.8	0.000
3.1111	0.122	0.297	145.8	0.000
3.2000	0.123	0.308	153.0	0.000
3.2889	0.125	0.319	160.4	0.000
3.3778	0.126	0.330	167.9	0.000
3.4667	0.128	0.341	175.7	0.000

3.5556	0.129	0.353	183.5	0.000
3.6444	0.131	0.364	191.6	0.000
3.7333	0.133	0.376	199.8	0.000
3.8222	0.134	0.388	208.2	0.000
3.9111	0.136	0.400	216.8	0.000
4.0000	0.137	0.412	225.5	0.000
4.0889	0.139	0.425	234.4	0.000
4.1778	0.140	0.437	243.5	0.000
4.2667	0.142	0.450	252.8	0.000
4.3556	0.143	0.462	262.3	0.000
4.4444	0.145	0.475	271.9	0.000
4.5333	0.146	0.488	281.7	0.000
4.6222	0.148	0.501	291.7	0.000
4.7111	0.149	0.514	301.8	0.000
4.8000	0.151	0.528	312.2	0.000
4.8889	0.152	0.541	322.7	0.000
4.9778	0.154	0.555	333.5	0.000
5.0667	0.155	0.569	344.4	0.000
5.1556	0.157	0.583	355.5	0.000
5.2444	0.159	0.597	366.7	0.000
5.3333	0.160	0.611	378.2	0.000
5.4222	0.162	0.625	389.9	0.000
5.5111	0.163	0.640	401.7	0.000
5.6000	0.165	0.654	413.7	0.000
5.6889	0.166	0.669	426.0	0.000
5.7778	0.168	0.684	438.4	0.000
5.8667	0.169	0.699	451.0	0.000
5.9556	0.171	0.714	463.8	0.000
6.0444	0.172	0.730	476.9	0.000
6.1333	0.174	0.745	490.1	0.000
6.2222	0.175	0.761	503.5	0.000
6.3111	0.177	0.776	517.1	0.000
6.4000	0.178	0.792	530.9	0.000
6.4889	0.180	0.808	544.9	0.000
6.5778	0.181	0.824	559.1	0.000
6.6667	0.183	0.840	573.5	0.000
6.7556	0.185	0.857	588.2	0.000
6.8444	0.186	0.873	603.0	0.000
6.9333	0.188	0.890	618.0	0.000
7.0222	0.189	0.907	633.3	0.000
7.1111	0.191	0.924	648.7	0.000
7.2000	0.192	0.941	664.4	0.000
7.2889	0.194	0.958	680.2	0.000
7.3778	0.195	0.975	696.3	0.000
7.4667	0.197	0.993	712.6	0.000
7.5556	0.198	1.010	729.1	0.000
7.6444	0.200	1.028	745.9	0.000
7.7333	0.201	1.046	762.8	0.000
7.8222	0.203	1.064	780.0	0.000
7.9111	0.204	1.082	797.3	0.000
8.0000	0.206	1.100	814.9	0.000
8.0889	0.208	1.119	832.8	0.000

POC 3/4

Bottom Length: 244.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.001 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.123	0.000	0.000	0.000
0.3333	0.124	0.041	5.459	0.000
0.6667	0.125	0.082	17.09	0.000
1.0000	0.126	0.124	33.16	0.000
1.3333	0.127	0.166	52.90	0.000
1.6667	0.127	0.209	75.82	0.000
2.0000	0.128	0.252	101.5	0.000
2.3333	0.129	0.295	129.8	0.000
2.6667	0.130	0.338	160.5	0.000
3.0000	0.131	0.382	193.3	0.000
3.3333	0.132	0.426	228.1	0.000
3.6667	0.133	0.470	264.8	0.000
4.0000	0.134	0.515	303.3	0.000
4.3333	0.135	0.560	343.5	0.000
4.6667	0.136	0.605	385.3	0.000
5.0000	0.137	0.651	428.7	0.000
5.3333	0.138	0.697	473.5	0.000
5.6667	0.139	0.743	519.8	0.000
6.0000	0.140	0.789	567.5	0.000
6.3333	0.141	0.836	616.5	0.000
6.6667	0.141	0.883	666.8	0.000
7.0000	0.142	0.931	718.3	0.000
7.3333	0.143	0.979	771.1	0.000
7.6667	0.144	1.027	825.1	0.000
8.0000	0.145	1.075	880.3	0.000
8.3333	0.146	1.124	936.6	0.000
8.6667	0.147	1.173	994.1	0.000
9.0000	0.148	1.222	1052.	0.000
9.3333	0.149	1.272	1112.	0.000
9.6667	0.150	1.322	1173.	0.000
10.000	0.151	1.372	1234.	0.000
10.333	0.152	1.423	1297.	0.000
10.667	0.153	1.473	1361.	0.000
11.000	0.154	1.525	1426.	0.000
11.333	0.155	1.576	1492.	0.000
11.667	0.155	1.628	1559.	0.000
12.000	0.156	1.680	1627.	0.000
12.333	0.157	1.733	1696.	0.000
12.667	0.158	1.785	1766.	0.000
13.000	0.159	1.838	1837.	0.000

13.333	0.160	1.892	1908.	0.000
13.667	0.161	1.945	1981.	0.000
14.000	0.162	1.999	2055.	0.000
14.333	0.163	2.054	2130.	0.000
14.667	0.164	2.108	2205.	0.000
15.000	0.165	2.163	2282.	0.000
15.333	0.166	2.219	2360.	0.000
15.667	0.167	2.274	2438.	0.000
16.000	0.168	2.330	2518.	0.000
16.333	0.169	2.386	2598.	0.000
16.667	0.169	2.443	2679.	0.000
17.000	0.170	2.499	2761.	0.000
17.333	0.171	2.557	2845.	0.000
17.667	0.172	2.614	2929.	0.000
18.000	0.173	2.672	3014.	0.000
18.333	0.174	2.730	3100.	0.000
18.667	0.175	2.788	3186.	0.000
19.000	0.176	2.847	3274.	0.000
19.333	0.177	2.906	3363.	0.000
19.667	0.178	2.965	3452.	0.000
20.000	0.179	3.025	3543.	0.000
20.333	0.180	3.085	3634.	0.000
20.667	0.181	3.145	3727.	0.000
21.000	0.182	3.205	3820.	0.000
21.333	0.183	3.266	3914.	0.000
21.667	0.183	3.327	4009.	0.000
22.000	0.184	3.389	4105.	0.000
22.333	0.185	3.451	4202.	0.000
22.667	0.186	3.513	4300.	0.000
23.000	0.187	3.575	4399.	0.000
23.333	0.188	3.638	4499.	0.000
23.667	0.189	3.701	4599.	0.000
24.000	0.190	3.764	4701.	0.000
24.333	0.191	3.828	4803.	0.000
24.667	0.192	3.892	4907.	0.000
25.000	0.193	3.956	5011.	0.000
25.333	0.194	4.021	5116.	0.000
25.667	0.195	4.086	5223.	0.000
26.000	0.196	4.151	5330.	0.000
26.333	0.197	4.216	5438.	0.000
26.667	0.198	4.282	5547.	0.000
27.000	0.198	4.348	5657.	0.000
27.333	0.199	4.415	5767.	0.000
27.667	0.200	4.481	5879.	0.000
28.000	0.201	4.549	5992.	0.000
28.333	0.202	4.616	6106.	0.000
28.667	0.203	4.684	6220.	0.000
29.000	0.204	4.752	6336.	0.000
29.333	0.205	4.820	6452.	0.000
29.667	0.206	4.889	6569.	0.000
30.000	0.207	4.958	6688.	0.000
30.333	0.208	5.027	6807.	0.000

Urban 3

Bottom Length: 1223.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.03
Channel bottom slope 1: 0.0163 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.168	0.000	0.000	0.000
0.0889	0.171	0.015	0.667	0.000
0.1778	0.173	0.030	2.099	0.000
0.2667	0.175	0.045	4.093	0.000
0.3556	0.178	0.061	6.560	0.000
0.4444	0.180	0.077	9.446	0.000
0.5333	0.183	0.093	12.71	0.000
0.6222	0.185	0.110	16.33	0.000
0.7111	0.188	0.126	20.28	0.000
0.8000	0.190	0.143	24.54	0.000
0.8889	0.193	0.160	29.10	0.000
0.9778	0.195	0.178	33.94	0.000
1.0667	0.198	0.195	39.06	0.000
1.1556	0.200	0.213	44.44	0.000
1.2444	0.203	0.231	50.08	0.000
1.3333	0.205	0.249	55.97	0.000
1.4222	0.208	0.268	62.11	0.000
1.5111	0.210	0.286	68.49	0.000
1.6000	0.213	0.305	75.11	0.000
1.6889	0.215	0.324	81.96	0.000
1.7778	0.218	0.343	89.04	0.000
1.8667	0.220	0.363	96.34	0.000
1.9556	0.223	0.383	103.8	0.000
2.0444	0.225	0.403	111.6	0.000
2.1333	0.228	0.423	119.6	0.000
2.2222	0.230	0.443	127.8	0.000
2.3111	0.233	0.464	136.2	0.000
2.4000	0.235	0.485	144.8	0.000
2.4889	0.238	0.506	153.7	0.000
2.5778	0.240	0.527	162.7	0.000
2.6667	0.243	0.549	172.0	0.000
2.7556	0.245	0.570	181.5	0.000
2.8444	0.248	0.592	191.2	0.000
2.9333	0.250	0.615	201.2	0.000
3.0222	0.253	0.637	211.3	0.000
3.1111	0.255	0.660	221.7	0.000
3.2000	0.258	0.682	232.2	0.000
3.2889	0.260	0.705	243.0	0.000
3.3778	0.263	0.729	254.0	0.000
3.4667	0.265	0.752	265.2	0.000

3.5556	0.268	0.776	276.7	0.000
3.6444	0.270	0.800	288.3	0.000
3.7333	0.273	0.824	300.2	0.000
3.8222	0.275	0.849	312.3	0.000
3.9111	0.278	0.873	324.5	0.000
4.0000	0.280	0.898	337.1	0.000
4.0889	0.283	0.923	349.8	0.000
4.1778	0.285	0.948	362.7	0.000
4.2667	0.288	0.974	375.9	0.000
4.3556	0.290	1.000	389.3	0.000
4.4444	0.293	1.026	402.9	0.000
4.5333	0.295	1.052	416.7	0.000
4.6222	0.298	1.078	430.7	0.000
4.7111	0.300	1.105	445.0	0.000
4.8000	0.303	1.132	459.5	0.000
4.8889	0.305	1.159	474.2	0.000
4.9778	0.308	1.186	489.1	0.000
5.0667	0.310	1.214	504.3	0.000
5.1556	0.313	1.241	519.7	0.000
5.2444	0.315	1.269	535.3	0.000
5.3333	0.318	1.297	551.1	0.000
5.4222	0.320	1.326	567.2	0.000
5.5111	0.323	1.354	583.4	0.000
5.6000	0.325	1.383	600.0	0.000
5.6889	0.328	1.412	616.7	0.000
5.7778	0.330	1.442	633.7	0.000
5.8667	0.333	1.471	650.9	0.000
5.9556	0.335	1.501	668.3	0.000
6.0444	0.338	1.531	686.0	0.000
6.1333	0.340	1.561	703.9	0.000
6.2222	0.343	1.591	722.0	0.000
6.3111	0.345	1.622	740.4	0.000
6.4000	0.348	1.653	759.0	0.000
6.4889	0.350	1.684	777.9	0.000
6.5778	0.353	1.715	797.0	0.000
6.6667	0.355	1.747	816.3	0.000
6.7556	0.358	1.778	835.9	0.000
6.8444	0.360	1.810	855.7	0.000
6.9333	0.363	1.843	875.7	0.000
7.0222	0.365	1.875	896.0	0.000
7.1111	0.368	1.908	916.5	0.000
7.2000	0.370	1.940	937.3	0.000
7.2889	0.373	1.973	958.3	0.000
7.3778	0.375	2.007	979.6	0.000
7.4667	0.378	2.040	1001.	0.000
7.5556	0.380	2.074	1022.	0.000
7.6444	0.383	2.108	1044.	0.000
7.7333	0.385	2.142	1067.	0.000
7.8222	0.388	2.176	1089.	0.000
7.9111	0.390	2.211	1112.	0.000
8.0000	0.393	2.246	1135.	0.000
8.0889	0.395	2.281	1158.	0.000

Upstream POC 2

Bottom Length: 950.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.001 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.545	0.000	0.000	0.000
0.3333	0.548	0.182	4.660	0.000
0.6667	0.552	0.365	14.61	0.000
1.0000	0.556	0.550	28.40	0.000
1.3333	0.559	0.736	45.36	0.000
1.6667	0.563	0.923	65.08	0.000
2.0000	0.567	1.112	87.28	0.000
2.3333	0.570	1.301	111.7	0.000
2.6667	0.574	1.492	138.2	0.000
3.0000	0.577	1.684	166.6	0.000
3.3333	0.581	1.878	196.7	0.000
3.6667	0.585	2.072	228.6	0.000
4.0000	0.588	2.268	262.0	0.000
4.3333	0.592	2.465	296.9	0.000
4.6667	0.596	2.663	333.2	0.000
5.0000	0.599	2.862	371.0	0.000
5.3333	0.603	3.063	410.0	0.000
5.6667	0.607	3.264	450.3	0.000
6.0000	0.610	3.467	491.7	0.000
6.3333	0.614	3.671	534.4	0.000
6.6667	0.617	3.877	578.2	0.000
7.0000	0.621	4.083	623.1	0.000
7.3333	0.625	4.291	669.1	0.000
7.6667	0.628	4.500	716.1	0.000
8.0000	0.632	4.710	764.2	0.000
8.3333	0.636	4.922	813.3	0.000
8.6667	0.639	5.134	863.3	0.000
9.0000	0.643	5.348	914.3	0.000
9.3333	0.647	5.563	966.3	0.000
9.6667	0.650	5.780	1019.	0.000
10.000	0.654	5.997	1073.	0.000
10.333	0.657	6.216	1127.	0.000
10.667	0.661	6.436	1183.	0.000
11.000	0.665	6.657	1239.	0.000
11.333	0.668	6.879	1297.	0.000
11.667	0.672	7.103	1355.	0.000
12.000	0.676	7.327	1414.	0.000
12.333	0.679	7.553	1474.	0.000
12.667	0.683	7.781	1534.	0.000
13.000	0.687	8.009	1596.	0.000

13.333	0.690	8.239	1658.	0.000
13.667	0.694	8.469	1722.	0.000
14.000	0.697	8.701	1786.	0.000
14.333	0.701	8.935	1850.	0.000
14.667	0.705	9.169	1916.	0.000
15.000	0.708	9.405	1982.	0.000
15.333	0.712	9.642	2049.	0.000
15.667	0.716	9.880	2117.	0.000
16.000	0.719	10.12	2186.	0.000
16.333	0.723	10.36	2256.	0.000
16.667	0.727	10.60	2326.	0.000
17.000	0.730	10.84	2397.	0.000
17.333	0.734	11.08	2469.	0.000
17.667	0.737	11.33	2541.	0.000
18.000	0.741	11.58	2615.	0.000
18.333	0.745	11.82	2689.	0.000
18.667	0.748	12.07	2764.	0.000
19.000	0.752	12.32	2839.	0.000
19.333	0.756	12.57	2916.	0.000
19.667	0.759	12.83	2993.	0.000
20.000	0.763	13.08	3071.	0.000
20.333	0.767	13.34	3150.	0.000
20.667	0.770	13.59	3229.	0.000
21.000	0.774	13.85	3309.	0.000
21.333	0.777	14.11	3390.	0.000
21.667	0.781	14.37	3472.	0.000
22.000	0.785	14.63	3554.	0.000
22.333	0.788	14.89	3637.	0.000
22.667	0.792	15.16	3721.	0.000
23.000	0.796	15.42	3806.	0.000
23.333	0.799	15.69	3891.	0.000
23.667	0.803	15.95	3978.	0.000
24.000	0.807	16.22	4065.	0.000
24.333	0.810	16.49	4152.	0.000
24.667	0.814	16.76	4241.	0.000
25.000	0.817	17.03	4330.	0.000
25.333	0.821	17.31	4420.	0.000
25.667	0.825	17.58	4510.	0.000
26.000	0.828	17.86	4602.	0.000
26.333	0.832	18.13	4694.	0.000
26.667	0.836	18.41	4787.	0.000
27.000	0.839	18.69	4881.	0.000
27.333	0.843	18.97	4975.	0.000
27.667	0.847	19.25	5070.	0.000
28.000	0.850	19.54	5166.	0.000
28.333	0.854	19.82	5263.	0.000
28.667	0.857	20.11	5360.	0.000
29.000	0.861	20.39	5459.	0.000
29.333	0.865	20.68	5558.	0.000
29.667	0.868	20.97	5657.	0.000
30.000	0.872	21.26	5758.	0.000
30.333	0.876	21.55	5859.	0.000

POC 2

Bottom Length: 350.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0011 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.200	0.000	0.000	0.000
0.3333	0.202	0.067	4.887	0.000
0.6667	0.203	0.134	15.33	0.000
1.0000	0.204	0.202	29.78	0.000
1.3333	0.206	0.271	47.57	0.000
1.6667	0.207	0.340	68.26	0.000
2.0000	0.208	0.409	91.54	0.000
2.3333	0.210	0.479	117.1	0.000
2.6667	0.211	0.549	144.9	0.000
3.0000	0.212	0.620	174.7	0.000
3.3333	0.214	0.691	206.3	0.000
3.6667	0.215	0.763	239.7	0.000
4.0000	0.216	0.835	274.8	0.000
4.3333	0.218	0.908	311.4	0.000
4.6667	0.219	0.981	349.5	0.000
5.0000	0.221	1.054	389.1	0.000
5.3333	0.222	1.128	430.0	0.000
5.6667	0.223	1.202	472.2	0.000
6.0000	0.225	1.277	515.7	0.000
6.3333	0.226	1.352	560.5	0.000
6.6667	0.227	1.428	606.4	0.000
7.0000	0.229	1.504	653.5	0.000
7.3333	0.230	1.581	701.8	0.000
7.6667	0.231	1.658	751.1	0.000
8.0000	0.233	1.735	801.5	0.000
8.3333	0.234	1.813	853.0	0.000
8.6667	0.235	1.891	905.5	0.000
9.0000	0.237	1.970	959.0	0.000
9.3333	0.238	2.049	1013.	0.000
9.6667	0.239	2.129	1068.	0.000
10.000	0.241	2.209	1125.	0.000
10.333	0.242	2.290	1182.	0.000
10.667	0.243	2.371	1241.	0.000
11.000	0.245	2.452	1300.	0.000
11.333	0.246	2.534	1360.	0.000
11.667	0.247	2.617	1421.	0.000
12.000	0.249	2.699	1483.	0.000
12.333	0.250	2.783	1546.	0.000
12.667	0.251	2.866	1609.	0.000
13.000	0.253	2.950	1674.	0.000

13.333	0.254	3.035	1739.	0.000
13.667	0.255	3.120	1806.	0.000
14.000	0.257	3.206	1873.	0.000
14.333	0.258	3.292	1941.	0.000
14.667	0.259	3.378	2009.	0.000
15.000	0.261	3.465	2079.	0.000
15.333	0.262	3.552	2150.	0.000
15.667	0.263	3.640	2221.	0.000
16.000	0.265	3.728	2293.	0.000
16.333	0.266	3.817	2366.	0.000
16.667	0.267	3.906	2439.	0.000
17.000	0.269	3.995	2514.	0.000
17.333	0.270	4.085	2589.	0.000
17.667	0.271	4.175	2665.	0.000
18.000	0.273	4.266	2742.	0.000
18.333	0.274	4.358	2820.	0.000
18.667	0.275	4.449	2899.	0.000
19.000	0.277	4.542	2978.	0.000
19.333	0.278	4.634	3058.	0.000
19.667	0.279	4.727	3139.	0.000
20.000	0.281	4.821	3221.	0.000
20.333	0.282	4.915	3303.	0.000
20.667	0.283	5.009	3387.	0.000
21.000	0.285	5.104	3471.	0.000
21.333	0.286	5.199	3556.	0.000
21.667	0.288	5.295	3641.	0.000
22.000	0.289	5.391	3728.	0.000
22.333	0.290	5.488	3815.	0.000
22.667	0.292	5.585	3903.	0.000
23.000	0.293	5.683	3992.	0.000
23.333	0.294	5.781	4081.	0.000
23.667	0.296	5.879	4172.	0.000
24.000	0.297	5.978	4263.	0.000
24.333	0.298	6.077	4355.	0.000
24.667	0.300	6.177	4448.	0.000
25.000	0.301	6.277	4541.	0.000
25.333	0.302	6.378	4636.	0.000
25.667	0.304	6.479	4731.	0.000
26.000	0.305	6.581	4827.	0.000
26.333	0.306	6.683	4923.	0.000
26.667	0.308	6.785	5021.	0.000
27.000	0.309	6.888	5119.	0.000
27.333	0.310	6.991	5218.	0.000
27.667	0.312	7.095	5318.	0.000
28.000	0.313	7.199	5418.	0.000
28.333	0.314	7.304	5520.	0.000
28.667	0.316	7.409	5622.	0.000
29.000	0.317	7.515	5725.	0.000
29.333	0.318	7.621	5829.	0.000
29.667	0.320	7.727	5934.	0.000
30.000	0.321	7.834	6039.	0.000
30.333	0.322	7.942	6145.	0.000

Trib 9

Bottom Length: 1880.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0298 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.172	0.000	0.000	0.000
0.0889	0.176	0.015	0.513	0.000
0.1778	0.180	0.031	1.609	0.000
0.2667	0.184	0.047	3.126	0.000
0.3556	0.188	0.064	4.997	0.000
0.4444	0.191	0.081	7.181	0.000
0.5333	0.195	0.098	9.648	0.000
0.6222	0.199	0.115	12.37	0.000
0.7111	0.203	0.133	15.35	0.000
0.8000	0.207	0.151	18.56	0.000
0.8889	0.211	0.170	22.00	0.000
0.9778	0.214	0.189	25.65	0.000
1.0667	0.218	0.208	29.52	0.000
1.1556	0.222	0.228	33.59	0.000
1.2444	0.226	0.248	37.87	0.000
1.3333	0.230	0.268	42.34	0.000
1.4222	0.234	0.289	47.02	0.000
1.5111	0.237	0.310	51.88	0.000
1.6000	0.241	0.331	56.94	0.000
1.6889	0.245	0.353	62.19	0.000
1.7778	0.249	0.375	67.64	0.000
1.8667	0.253	0.397	73.27	0.000
1.9556	0.257	0.420	79.09	0.000
2.0444	0.260	0.443	85.10	0.000
2.1333	0.264	0.466	91.31	0.000
2.2222	0.268	0.490	97.70	0.000
2.3111	0.272	0.514	104.2	0.000
2.4000	0.276	0.538	111.0	0.000
2.4889	0.280	0.563	118.0	0.000
2.5778	0.283	0.588	125.1	0.000
2.6667	0.287	0.613	132.5	0.000
2.7556	0.291	0.639	140.0	0.000
2.8444	0.295	0.665	147.7	0.000
2.9333	0.299	0.692	155.7	0.000
3.0222	0.303	0.718	163.8	0.000
3.1111	0.306	0.746	172.1	0.000
3.2000	0.310	0.773	180.6	0.000
3.2889	0.314	0.801	189.3	0.000
3.3778	0.318	0.829	198.2	0.000
3.4667	0.322	0.857	207.3	0.000

3.5556	0.326	0.886	216.6	0.000
3.6444	0.330	0.915	226.1	0.000
3.7333	0.333	0.945	235.8	0.000
3.8222	0.337	0.975	245.7	0.000
3.9111	0.341	1.005	255.8	0.000
4.0000	0.345	1.035	266.1	0.000
4.0889	0.349	1.066	276.7	0.000
4.1778	0.353	1.098	287.4	0.000
4.2667	0.356	1.129	298.3	0.000
4.3556	0.360	1.161	309.5	0.000
4.4444	0.364	1.193	320.8	0.000
4.5333	0.368	1.226	332.4	0.000
4.6222	0.372	1.259	344.2	0.000
4.7111	0.376	1.292	356.2	0.000
4.8000	0.379	1.326	368.4	0.000
4.8889	0.383	1.359	380.9	0.000
4.9778	0.387	1.394	393.5	0.000
5.0667	0.391	1.428	406.4	0.000
5.1556	0.395	1.463	419.5	0.000
5.2444	0.399	1.499	432.8	0.000
5.3333	0.402	1.534	446.3	0.000
5.4222	0.406	1.570	460.1	0.000
5.5111	0.410	1.607	474.0	0.000
5.6000	0.414	1.643	488.2	0.000
5.6889	0.418	1.680	502.7	0.000
5.7778	0.422	1.718	517.3	0.000
5.8667	0.425	1.755	532.2	0.000
5.9556	0.429	1.793	547.4	0.000
6.0444	0.433	1.832	562.7	0.000
6.1333	0.437	1.870	578.3	0.000
6.2222	0.441	1.909	594.1	0.000
6.3111	0.445	1.949	610.2	0.000
6.4000	0.448	1.989	626.5	0.000
6.4889	0.452	2.029	643.0	0.000
6.5778	0.456	2.069	659.8	0.000
6.6667	0.460	2.110	676.8	0.000
6.7556	0.464	2.151	694.1	0.000
6.8444	0.468	2.192	711.6	0.000
6.9333	0.472	2.234	729.3	0.000
7.0222	0.475	2.276	747.3	0.000
7.1111	0.479	2.319	765.5	0.000
7.2000	0.483	2.362	784.0	0.000
7.2889	0.487	2.405	802.7	0.000
7.3778	0.491	2.448	821.7	0.000
7.4667	0.495	2.492	840.9	0.000
7.5556	0.498	2.536	860.4	0.000
7.6444	0.502	2.581	880.2	0.000
7.7333	0.506	2.626	900.2	0.000
7.8222	0.510	2.671	920.4	0.000
7.9111	0.514	2.716	940.9	0.000
8.0000	0.518	2.762	961.7	0.000
8.0889	0.521	2.808	982.7	0.000

Urban 4

Bottom Length: 481.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0665 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.044	0.000	0.000	0.000
0.0889	0.045	0.004	0.766	0.000
0.1778	0.046	0.008	2.403	0.000
0.2667	0.047	0.012	4.670	0.000
0.3556	0.048	0.016	7.466	0.000
0.4444	0.049	0.020	10.72	0.000
0.5333	0.050	0.025	14.41	0.000
0.6222	0.051	0.029	18.49	0.000
0.7111	0.052	0.034	22.93	0.000
0.8000	0.053	0.038	27.73	0.000
0.8889	0.054	0.043	32.87	0.000
0.9778	0.055	0.048	38.33	0.000
1.0667	0.056	0.053	44.10	0.000
1.1556	0.056	0.058	50.19	0.000
1.2444	0.057	0.063	56.57	0.000
1.3333	0.058	0.068	63.26	0.000
1.4222	0.059	0.074	70.24	0.000
1.5111	0.060	0.079	77.51	0.000
1.6000	0.061	0.084	85.06	0.000
1.6889	0.062	0.090	92.91	0.000
1.7778	0.063	0.096	101.0	0.000
1.8667	0.064	0.101	109.4	0.000
1.9556	0.065	0.107	118.1	0.000
2.0444	0.066	0.113	127.1	0.000
2.1333	0.067	0.119	136.4	0.000
2.2222	0.068	0.125	145.9	0.000
2.3111	0.069	0.131	155.7	0.000
2.4000	0.070	0.137	165.8	0.000
2.4889	0.071	0.144	176.2	0.000
2.5778	0.072	0.150	186.9	0.000
2.6667	0.073	0.157	197.9	0.000
2.7556	0.074	0.163	209.2	0.000
2.8444	0.075	0.170	220.7	0.000
2.9333	0.076	0.177	232.5	0.000
3.0222	0.077	0.184	244.7	0.000
3.1111	0.078	0.190	257.1	0.000
3.2000	0.079	0.198	269.8	0.000
3.2889	0.080	0.205	282.8	0.000
3.3778	0.081	0.212	296.1	0.000
3.4667	0.082	0.219	309.7	0.000

3.5556	0.083	0.227	323.6	0.000
3.6444	0.084	0.234	337.8	0.000
3.7333	0.085	0.242	352.3	0.000
3.8222	0.086	0.249	367.1	0.000
3.9111	0.087	0.257	382.2	0.000
4.0000	0.088	0.265	397.6	0.000
4.0889	0.089	0.273	413.3	0.000
4.1778	0.090	0.281	429.4	0.000
4.2667	0.091	0.289	445.7	0.000
4.3556	0.092	0.297	462.3	0.000
4.4444	0.093	0.305	479.3	0.000
4.5333	0.094	0.313	496.6	0.000
4.6222	0.095	0.322	514.2	0.000
4.7111	0.096	0.330	532.1	0.000
4.8000	0.097	0.339	550.4	0.000
4.8889	0.098	0.348	569.0	0.000
4.9778	0.099	0.356	587.9	0.000
5.0667	0.100	0.365	607.1	0.000
5.1556	0.101	0.374	626.6	0.000
5.2444	0.102	0.383	646.5	0.000
5.3333	0.103	0.392	666.7	0.000
5.4222	0.104	0.402	687.3	0.000
5.5111	0.105	0.411	708.2	0.000
5.6000	0.106	0.420	729.4	0.000
5.6889	0.107	0.430	750.9	0.000
5.7778	0.108	0.439	772.9	0.000
5.8667	0.109	0.449	795.1	0.000
5.9556	0.110	0.459	817.7	0.000
6.0444	0.111	0.469	840.6	0.000
6.1333	0.112	0.479	863.9	0.000
6.2222	0.113	0.489	887.6	0.000
6.3111	0.114	0.499	911.5	0.000
6.4000	0.115	0.509	935.9	0.000
6.4889	0.116	0.519	960.6	0.000
6.5778	0.117	0.530	985.6	0.000
6.6667	0.118	0.540	1011.	0.000
6.7556	0.119	0.550	1036.	0.000
6.8444	0.120	0.561	1063.	0.000
6.9333	0.121	0.572	1089.	0.000
7.0222	0.121	0.583	1116.	0.000
7.1111	0.122	0.594	1143.	0.000
7.2000	0.123	0.604	1171.	0.000
7.2889	0.124	0.616	1199.	0.000
7.3778	0.125	0.627	1227.	0.000
7.4667	0.126	0.638	1256.	0.000
7.5556	0.127	0.649	1285.	0.000
7.6444	0.128	0.661	1314.	0.000
7.7333	0.129	0.672	1344.	0.000
7.8222	0.130	0.684	1375.	0.000
7.9111	0.131	0.695	1405.	0.000
8.0000	0.132	0.707	1436.	0.000
8.0889	0.133	0.719	1468.	0.000

Upstream POC 1

Bottom Length: 988.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0071 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.567	0.000	0.000	0.000
0.3333	0.570	0.189	12.41	0.000
0.6667	0.574	0.380	38.95	0.000
1.0000	0.578	0.572	75.67	0.000
1.3333	0.582	0.766	120.8	0.000
1.6667	0.585	0.960	173.4	0.000
2.0000	0.589	1.156	232.5	0.000
2.3333	0.593	1.354	297.6	0.000
2.6667	0.597	1.552	368.2	0.000
3.0000	0.601	1.752	443.9	0.000
3.3333	0.604	1.953	524.3	0.000
3.6667	0.608	2.155	609.1	0.000
4.0000	0.612	2.358	698.2	0.000
4.3333	0.616	2.563	791.2	0.000
4.6667	0.620	2.769	888.0	0.000
5.0000	0.623	2.977	988.5	0.000
5.3333	0.627	3.185	1092.	0.000
5.6667	0.631	3.395	1199.	0.000
6.0000	0.635	3.606	1310.	0.000
6.3333	0.638	3.818	1424.	0.000
6.6667	0.642	4.032	1540.	0.000
7.0000	0.646	4.247	1660.	0.000
7.3333	0.650	4.463	1783.	0.000
7.6667	0.654	4.680	1908.	0.000
8.0000	0.657	4.899	2036.	0.000
8.3333	0.661	5.119	2167.	0.000
8.6667	0.665	5.340	2300.	0.000
9.0000	0.669	5.563	2436.	0.000
9.3333	0.673	5.786	2574.	0.000
9.6667	0.676	6.011	2715.	0.000
10.000	0.680	6.237	2859.	0.000
10.333	0.684	6.465	3004.	0.000
10.667	0.688	6.694	3153.	0.000
11.000	0.691	6.924	3303.	0.000
11.333	0.695	7.155	3456.	0.000
11.667	0.699	7.387	3611.	0.000
12.000	0.703	7.621	3768.	0.000
12.333	0.707	7.856	3928.	0.000
12.667	0.710	8.093	4090.	0.000
13.000	0.714	8.330	4254.	0.000

13.333	0.718	8.569	4420.	0.000
13.667	0.722	8.809	4588.	0.000
14.000	0.725	9.050	4759.	0.000
14.333	0.729	9.293	4931.	0.000
14.667	0.733	9.537	5106.	0.000
15.000	0.737	9.782	5283.	0.000
15.333	0.741	10.02	5462.	0.000
15.667	0.744	10.27	5643.	0.000
16.000	0.748	10.52	5826.	0.000
16.333	0.752	10.77	6011.	0.000
16.667	0.756	11.02	6199.	0.000
17.000	0.760	11.28	6388.	0.000
17.333	0.763	11.53	6579.	0.000
17.667	0.767	11.78	6773.	0.000
18.000	0.771	12.04	6968.	0.000
18.333	0.775	12.30	7166.	0.000
18.667	0.778	12.56	7365.	0.000
19.000	0.782	12.82	7567.	0.000
19.333	0.786	13.08	7770.	0.000
19.667	0.790	13.34	7976.	0.000
20.000	0.794	13.61	8184.	0.000
20.333	0.797	13.87	8393.	0.000
20.667	0.801	14.14	8605.	0.000
21.000	0.805	14.41	8818.	0.000
21.333	0.809	14.68	9034.	0.000
21.667	0.813	14.95	9252.	0.000
22.000	0.816	15.22	9471.	0.000
22.333	0.820	15.49	9693.	0.000
22.667	0.824	15.76	9917.	0.000
23.000	0.828	16.04	10142	0.000
23.333	0.831	16.32	10370	0.000
23.667	0.835	16.59	10600	0.000
24.000	0.839	16.87	10831	0.000
24.333	0.843	17.15	11065	0.000
24.667	0.847	17.44	11300	0.000
25.000	0.850	17.72	11538	0.000
25.333	0.854	18.00	11778	0.000
25.667	0.858	18.29	12019	0.000
26.000	0.862	18.58	12263	0.000
26.333	0.866	18.86	12509	0.000
26.667	0.869	19.15	12756	0.000
27.000	0.873	19.44	13006	0.000
27.333	0.877	19.73	13258	0.000
27.667	0.881	20.03	13511	0.000
28.000	0.884	20.32	13767	0.000
28.333	0.888	20.62	14025	0.000
28.667	0.892	20.91	14284	0.000
29.000	0.896	21.21	14546	0.000
29.333	0.900	21.51	14810	0.000
29.667	0.903	21.81	15075	0.000
30.000	0.907	22.11	15343	0.000
30.333	0.911	22.42	15613	0.000

POC 1

Bottom Length: 988.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0071 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.567	0.000	0.000	0.000
0.3333	0.570	0.189	12.41	0.000
0.6667	0.574	0.380	38.95	0.000
1.0000	0.578	0.572	75.67	0.000
1.3333	0.582	0.766	120.8	0.000
1.6667	0.585	0.960	173.4	0.000
2.0000	0.589	1.156	232.5	0.000
2.3333	0.593	1.354	297.6	0.000
2.6667	0.597	1.552	368.2	0.000
3.0000	0.601	1.752	443.9	0.000
3.3333	0.604	1.953	524.3	0.000
3.6667	0.608	2.155	609.1	0.000
4.0000	0.612	2.358	698.2	0.000
4.3333	0.616	2.563	791.2	0.000
4.6667	0.620	2.769	888.0	0.000
5.0000	0.623	2.977	988.5	0.000
5.3333	0.627	3.185	1092.	0.000
5.6667	0.631	3.395	1199.	0.000
6.0000	0.635	3.606	1310.	0.000
6.3333	0.638	3.818	1424.	0.000
6.6667	0.642	4.032	1540.	0.000
7.0000	0.646	4.247	1660.	0.000
7.3333	0.650	4.463	1783.	0.000
7.6667	0.654	4.680	1908.	0.000
8.0000	0.657	4.899	2036.	0.000
8.3333	0.661	5.119	2167.	0.000
8.6667	0.665	5.340	2300.	0.000
9.0000	0.669	5.563	2436.	0.000
9.3333	0.673	5.786	2574.	0.000
9.6667	0.676	6.011	2715.	0.000
10.000	0.680	6.237	2859.	0.000
10.333	0.684	6.465	3004.	0.000
10.667	0.688	6.694	3153.	0.000
11.000	0.691	6.924	3303.	0.000
11.333	0.695	7.155	3456.	0.000
11.667	0.699	7.387	3611.	0.000
12.000	0.703	7.621	3768.	0.000
12.333	0.707	7.856	3928.	0.000
12.667	0.710	8.093	4090.	0.000
13.000	0.714	8.330	4254.	0.000

13.333	0.718	8.569	4420.	0.000
13.667	0.722	8.809	4588.	0.000
14.000	0.725	9.050	4759.	0.000
14.333	0.729	9.293	4931.	0.000
14.667	0.733	9.537	5106.	0.000
15.000	0.737	9.782	5283.	0.000
15.333	0.741	10.02	5462.	0.000
15.667	0.744	10.27	5643.	0.000
16.000	0.748	10.52	5826.	0.000
16.333	0.752	10.77	6011.	0.000
16.667	0.756	11.02	6199.	0.000
17.000	0.760	11.28	6388.	0.000
17.333	0.763	11.53	6579.	0.000
17.667	0.767	11.78	6773.	0.000
18.000	0.771	12.04	6968.	0.000
18.333	0.775	12.30	7166.	0.000
18.667	0.778	12.56	7365.	0.000
19.000	0.782	12.82	7567.	0.000
19.333	0.786	13.08	7770.	0.000
19.667	0.790	13.34	7976.	0.000
20.000	0.794	13.61	8184.	0.000
20.333	0.797	13.87	8393.	0.000
20.667	0.801	14.14	8605.	0.000
21.000	0.805	14.41	8818.	0.000
21.333	0.809	14.68	9034.	0.000
21.667	0.813	14.95	9252.	0.000
22.000	0.816	15.22	9471.	0.000
22.333	0.820	15.49	9693.	0.000
22.667	0.824	15.76	9917.	0.000
23.000	0.828	16.04	10142	0.000
23.333	0.831	16.32	10370	0.000
23.667	0.835	16.59	10600	0.000
24.000	0.839	16.87	10831	0.000
24.333	0.843	17.15	11065	0.000
24.667	0.847	17.44	11300	0.000
25.000	0.850	17.72	11538	0.000
25.333	0.854	18.00	11778	0.000
25.667	0.858	18.29	12019	0.000
26.000	0.862	18.58	12263	0.000
26.333	0.866	18.86	12509	0.000
26.667	0.869	19.15	12756	0.000
27.000	0.873	19.44	13006	0.000
27.333	0.877	19.73	13258	0.000
27.667	0.881	20.03	13511	0.000
28.000	0.884	20.32	13767	0.000
28.333	0.888	20.62	14025	0.000
28.667	0.892	20.91	14284	0.000
29.000	0.896	21.21	14546	0.000
29.333	0.900	21.51	14810	0.000
29.667	0.903	21.81	15075	0.000
30.000	0.907	22.11	15343	0.000
30.333	0.911	22.42	15613	0.000

Off-site 105

Depth: 10 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 1

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.400	23.00	0.000	0.000	0.000	0.000
1.500	1.700	1.090	54.00	0.000	0.000	0.000	0.000
2.500	1.800	2.320	96.00	0.000	0.000	0.000	0.000
3.500	2.000	4.540	144.0	0.000	0.000	0.000	0.000
5.500	2.200	7.830	195.0	0.000	0.000	0.000	0.000
7.500	3.600	12.26	258.0	0.000	0.000	0.000	0.000
9.500	4.200	18.19	324.0	0.000	0.000	0.000	0.000

Off-site 103

Depth: 12 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 2

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	2.140	251.0	0.000	0.000	0.000	0.000
1.500	1.700	7.080	520.0	0.000	0.000	0.000	0.000
2.500	1.800	10.91	640.0	0.000	0.000	0.000	0.000
3.500	2.000	15.21	768.0	0.000	0.000	0.000	0.000
5.500	2.200	19.84	880.0	0.000	0.000	0.000	0.000
7.500	3.600	24.92	960.0	0.000	0.000	0.000	0.000
9.500	4.200	30.37	1040	0.000	0.000	0.000	0.000
11.50	5.900	61.40	1392	0.000	0.000	0.000	0.000

Off-site 102

Depth: 19.2 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 3

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	1.400	0.014	0.009	0.000	0.000	0.000	0.000
0.200	1.344	0.105	0.844	0.000	0.000	0.000	0.000
0.400	1.386	0.272	2.387	0.000	0.000	0.000	0.000
0.600	1.429	0.448	4.385	0.000	0.000	0.000	0.000
0.800	1.473	0.633	6.751	0.000	0.000	0.000	0.000
1.000	1.518	0.828	9.435	0.000	0.000	0.000	0.000
1.200	1.564	1.034	12.40	0.000	0.000	0.000	0.000
1.400	1.610	1.248	15.63	0.000	0.000	0.000	0.000
1.600	1.658	1.473	19.10	0.000	0.000	0.000	0.000
1.800	1.706	1.707	22.79	0.000	0.000	0.000	0.000
2.000	1.756	1.951	26.69	0.000	0.000	0.000	0.000
2.200	1.806	2.204	30.79	0.000	0.000	0.000	0.000
2.400	1.858	2.468	35.08	0.000	0.000	0.000	0.000
2.600	1.910	2.741	39.63	0.000	0.000	0.000	0.000
2.800	1.963	3.023	42.46	0.000	0.000	0.000	0.000
3.000	2.018	3.316	45.12	0.000	0.000	0.000	0.000
3.200	2.073	3.618	47.63	0.000	0.000	0.000	0.000
3.400	2.129	3.930	50.01	0.000	0.000	0.000	0.000
3.600	2.186	4.251	52.28	0.000	0.000	0.000	0.000
3.800	2.244	4.583	54.46	0.000	0.000	0.000	0.000
4.000	2.303	4.924	56.56	0.000	0.000	0.000	0.000
4.200	2.363	5.274	58.58	0.000	0.000	0.000	0.000
4.400	2.424	5.635	60.53	0.000	0.000	0.000	0.000
4.600	2.485	6.005	62.42	0.000	0.000	0.000	0.000
4.800	2.548	6.385	64.26	0.000	0.000	0.000	0.000
5.000	2.612	6.774	66.05	0.000	0.000	0.000	0.000
5.200	2.676	7.174	67.79	0.000	0.000	0.000	0.000
5.400	2.742	7.583	69.48	0.000	0.000	0.000	0.000
5.600	2.808	8.001	71.13	0.000	0.000	0.000	0.000
5.800	2.876	8.430	72.75	0.000	0.000	0.000	0.000
6.000	2.944	8.868	74.33	0.000	0.000	0.000	0.000
6.200	3.014	9.316	75.88	0.000	0.000	0.000	0.000
6.400	3.084	9.773	77.40	0.000	0.000	0.000	0.000
6.600	3.155	10.24	78.89	0.000	0.000	0.000	0.000
6.800	3.227	10.72	80.35	0.000	0.000	0.000	0.000
7.000	3.300	11.20	81.78	0.000	0.000	0.000	0.000
7.200	3.375	11.70	83.19	0.000	0.000	0.000	0.000
7.400	3.450	12.21	84.58	0.000	0.000	0.000	0.000
7.600	3.525	12.72	85.95	0.000	0.000	0.000	0.000
7.800	3.602	13.25	87.29	0.000	0.000	0.000	0.000
8.000	3.680	13.78	88.61	0.000	0.000	0.000	0.000
8.200	3.759	14.33	89.91	0.000	0.000	0.000	0.000
8.400	3.839	14.88	91.20	0.000	0.000	0.000	0.000
8.600	3.919	15.45	92.47	0.000	0.000	0.000	0.000
8.800	4.001	16.02	93.71	0.000	0.000	0.000	0.000
9.000	4.084	16.61	94.95	0.000	0.000	0.000	0.000

9.200	4.167	17.20	96.17	0.000	0.000	0.000	0.000
9.400	4.252	17.80	97.37	0.000	0.000	0.000	0.000
9.600	4.337	18.41	102.8	0.000	0.000	0.000	0.000
9.800	4.423	19.04	121.6	0.000	0.000	0.000	0.000
10.000	4.511	19.67	148.0	0.000	0.000	0.000	0.000
10.20	4.599	20.31	180.0	0.000	0.000	0.000	0.000
10.40	4.688	20.96	216.9	0.000	0.000	0.000	0.000
10.60	4.778	21.62	258.0	0.000	0.000	0.000	0.000
10.80	4.869	22.30	302.8	0.000	0.000	0.000	0.000
11.00	4.961	22.98	351.2	0.000	0.000	0.000	0.000
11.20	5.054	23.67	402.8	0.000	0.000	0.000	0.000
11.40	5.148	24.37	457.5	0.000	0.000	0.000	0.000
11.60	5.243	25.08	515.1	0.000	0.000	0.000	0.000
11.80	5.339	25.80	575.4	0.000	0.000	0.000	0.000
12.00	5.436	26.53	638.3	0.000	0.000	0.000	0.000
12.20	5.533	27.27	703.8	0.000	0.000	0.000	0.000
12.40	5.632	28.01	771.7	0.000	0.000	0.000	0.000
12.60	5.731	28.77	841.9	0.000	0.000	0.000	0.000
12.80	5.832	29.54	914.4	0.000	0.000	0.000	0.000
13.00	5.933	30.32	989.1	0.000	0.000	0.000	0.000
13.20	6.036	31.11	1065.897	0.000	0.000	0.000	0.000
13.40	6.139	31.90	1144.774	0.000	0.000	0.000	0.000
13.60	6.244	32.71	1225.666	0.000	0.000	0.000	0.000
13.80	6.349	33.53	1308.525	0.000	0.000	0.000	0.000
14.00	6.455	34.36	1393.302	0.000	0.000	0.000	0.000
14.20	6.562	35.19	1479.957	0.000	0.000	0.000	0.000
14.40	6.670	36.04	1568.447	0.000	0.000	0.000	0.000
14.60	6.779	36.89	1658.736	0.000	0.000	0.000	0.000
14.80	6.889	37.76	1750.788	0.000	0.000	0.000	0.000
15.00	7.000	38.63	1844.568	0.000	0.000	0.000	0.000
15.20	7.112	39.52	1940.046	0.000	0.000	0.000	0.000
15.40	7.225	40.41	2037.191	0.000	0.000	0.000	0.000
15.60	7.339	41.32	2135.975	0.000	0.000	0.000	0.000
15.80	7.453	42.23	2236.371	0.000	0.000	0.000	0.000
16.00	7.569	43.15	2338.352	0.000	0.000	0.000	0.000
16.20	7.685	44.09	2441.896	0.000	0.000	0.000	0.000
16.40	7.803	45.03	2546.977	0.000	0.000	0.000	0.000
16.60	7.921	45.98	2653.573	0.000	0.000	0.000	0.000
16.80	8.041	46.95	2761.664	0.000	0.000	0.000	0.000
17.00	8.161	47.92	2871.229	0.000	0.000	0.000	0.000
17.20	8.283	48.90	2982.247	0.000	0.000	0.000	0.000
17.40	8.405	49.89	3094.699	0.000	0.000	0.000	0.000
17.60	8.528	50.89	3208.569	0.000	0.000	0.000	0.000
17.80	8.652	51.90	3323.837	0.000	0.000	0.000	0.000
18.00	8.777	52.92	3440.487	0.000	0.000	0.000	0.000
18.20	8.903	53.96	3558.503	0.000	0.000	0.000	0.000
18.40	9.030	55.00	3677.869	0.000	0.000	0.000	0.000
18.60	9.158	56.05	3798.569	0.000	0.000	0.000	0.000
18.80	9.287	57.10	3920.59	0.000	0.000	0.000	0.000
19.00	9.417	58.17	4043.916	0.000	0.000	0.000	0.000

Urban 100

Depth: 17.5 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.030	2.850	0.000	0.000	0.000	0.000
1.500	1.700	0.080	4.270	0.000	0.000	0.000	0.000
2.500	1.800	0.170	5.710	0.000	0.000	0.000	0.000
3.500	2.000	0.290	6.840	0.000	0.000	0.000	0.000
5.500	2.200	0.450	7.760	0.000	0.000	0.000	0.000
7.500	3.600	0.650	13.30	0.000	0.000	0.000	0.000
9.500	4.200	0.900	15.99	0.000	0.000	0.000	0.000
11.50	5.900	1.220	18.17	0.000	0.000	0.000	0.000
16.50	7.600	1.600	20.06	0.000	0.000	0.000	0.000
17.50	8.000	1.800	999.0	0.000	0.000	0.000	0.000

Urban 101

Depth: 10 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.050	2.100	0.000	0.000	0.000	0.000
1.500	1.700	0.180	5.080	0.000	0.000	0.000	0.000
2.500	1.800	0.420	8.720	0.000	0.000	0.000	0.000
3.500	2.000	0.770	12.92	0.000	0.000	0.000	0.000
5.500	2.200	1.230	29.14	0.000	0.000	0.000	0.000
7.500	3.600	1.800	36.96	0.000	0.000	0.000	0.000
9.500	4.200	2.490	43.21	0.000	0.000	0.000	0.000

Mitigated Routing

POC 26

Bottom Length: 1927.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.03 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 24

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.353	0.000	0.000	0.000
0.1111	0.358	0.039	1.501	0.000
0.2222	0.363	0.079	4.727	0.000
0.3333	0.368	0.120	9.219	0.000
0.4444	0.373	0.161	14.78	0.000
0.5556	0.378	0.203	21.29	0.000
0.6667	0.383	0.245	28.66	0.000
0.7778	0.388	0.288	36.83	0.000
0.8889	0.393	0.332	45.75	0.000
1.0000	0.398	0.376	55.37	0.000
1.1111	0.403	0.420	65.66	0.000
1.2222	0.408	0.465	76.59	0.000
1.3333	0.412	0.511	88.15	0.000
1.4444	0.417	0.557	100.3	0.000
1.5556	0.422	0.604	113.0	0.000
1.6667	0.427	0.651	126.3	0.000
1.7778	0.432	0.699	140.1	0.000
1.8889	0.437	0.747	154.5	0.000
2.0000	0.442	0.796	169.5	0.000
2.1111	0.447	0.845	184.9	0.000
2.2222	0.452	0.895	200.9	0.000
2.3333	0.457	0.946	217.3	0.000
2.4444	0.462	0.997	234.3	0.000
2.5556	0.467	1.048	251.8	0.000
2.6667	0.471	1.101	269.8	0.000
2.7778	0.476	1.153	288.2	0.000
2.8889	0.481	1.207	307.2	0.000
3.0000	0.486	1.260	326.6	0.000
3.1111	0.491	1.315	346.5	0.000
3.2222	0.496	1.370	366.9	0.000
3.3333	0.501	1.425	387.7	0.000
3.4444	0.506	1.481	409.1	0.000
3.5556	0.511	1.538	430.9	0.000
3.6667	0.516	1.595	453.2	0.000
3.7778	0.521	1.652	475.9	0.000
3.8889	0.526	1.710	499.2	0.000
4.0000	0.530	1.769	522.9	0.000
4.1111	0.535	1.828	547.0	0.000

4.2222	0.540	1.888	571.7	0.000
4.3333	0.545	1.949	596.8	0.000
4.4444	0.550	2.010	622.4	0.000
4.5556	0.555	2.071	648.5	0.000
4.6667	0.560	2.133	675.0	0.000
4.7778	0.565	2.196	702.0	0.000
4.8889	0.570	2.259	729.5	0.000
5.0000	0.575	2.322	757.4	0.000
5.1111	0.580	2.386	785.9	0.000
5.2222	0.585	2.451	814.8	0.000
5.3333	0.589	2.516	844.2	0.000
5.4444	0.594	2.582	874.0	0.000
5.5556	0.599	2.649	904.4	0.000
5.6667	0.604	2.716	935.2	0.000
5.7778	0.609	2.783	966.5	0.000
5.8889	0.614	2.851	998.3	0.000
6.0000	0.619	2.920	1030.	0.000
6.1111	0.624	2.989	1063.	0.000
6.2222	0.629	3.058	1096.	0.000
6.3333	0.634	3.128	1130.	0.000
6.4444	0.639	3.199	1164.	0.000
6.5556	0.644	3.271	1199.	0.000
6.6667	0.649	3.342	1234.	0.000
6.7778	0.653	3.415	1270.	0.000
6.8889	0.658	3.488	1306.	0.000
7.0000	0.663	3.561	1343.	0.000
7.1111	0.668	3.635	1380.	0.000
7.2222	0.673	3.710	1417.	0.000
7.3333	0.678	3.785	1456.	0.000
7.4444	0.683	3.860	1494.	0.000
7.5556	0.688	3.937	1533.	0.000
7.6667	0.693	4.013	1573.	0.000
7.7778	0.698	4.091	1613.	0.000
7.8889	0.703	4.169	1654.	0.000
8.0000	0.708	4.247	1695.	0.000
8.1111	0.712	4.326	1737.	0.000
8.2222	0.717	4.405	1779.	0.000
8.3333	0.722	4.485	1822.	0.000
8.4444	0.727	4.566	1865.	0.000
8.5556	0.732	4.647	1909.	0.000
8.6667	0.737	4.729	1954.	0.000
8.7778	0.742	4.811	1998.	0.000
8.8889	0.747	4.894	2044.	0.000
9.0000	0.752	4.977	2090.	0.000
9.1111	0.757	5.061	2136.	0.000
9.2222	0.762	5.145	2183.	0.000
9.3333	0.767	5.230	2231.	0.000
9.4444	0.771	5.316	2279.	0.000
9.5556	0.776	5.402	2327.	0.000
9.6667	0.781	5.488	2376.	0.000
9.7778	0.786	5.576	2426.	0.000
9.8889	0.791	5.663	2476.	0.000
10.000	0.796	5.751	2527.	0.000
10.111	0.801	5.840	2578.	0.000

HMB 24 (was 26)

Depth: 11.75 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 26

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.550	0.005	0.001	0.000	0.000	0.000	0.000
0.100	0.556	0.055	0.035	0.000	0.000	0.000	0.000
0.200	0.562	0.111	0.099	0.000	0.000	0.000	0.000
0.300	0.568	0.168	0.182	0.000	0.000	0.000	0.000
0.400	0.574	0.225	0.258	0.000	0.000	0.000	0.000
0.500	0.580	0.283	0.309	0.000	0.000	0.000	0.000
0.600	0.586	0.341	0.352	0.000	0.000	0.000	0.000
0.700	0.592	0.400	0.391	0.000	0.000	0.000	0.000
0.800	0.598	0.460	0.426	0.000	0.000	0.000	0.000
0.900	0.604	0.520	0.458	0.000	0.000	0.000	0.000
1.000	0.610	0.581	0.488	0.000	0.000	0.000	0.000
1.100	0.616	0.642	0.517	0.000	0.000	0.000	0.000
1.200	0.622	0.704	0.544	0.000	0.000	0.000	0.000
1.300	0.628	0.767	0.570	0.000	0.000	0.000	0.000
1.400	0.634	0.830	0.594	0.000	0.000	0.000	0.000
1.500	0.640	0.894	0.618	0.000	0.000	0.000	0.000
1.600	0.646	0.958	0.641	0.000	0.000	0.000	0.000
1.700	0.652	1.023	0.662	0.000	0.000	0.000	0.000
1.800	0.658	1.088	0.684	0.000	0.000	0.000	0.000
1.900	0.664	1.154	0.704	0.000	0.000	0.000	0.000
2.000	0.670	1.221	0.724	0.000	0.000	0.000	0.000
2.100	0.676	1.288	0.744	0.000	0.000	0.000	0.000
2.200	0.682	1.356	0.763	0.000	0.000	0.000	0.000
2.300	0.688	1.425	0.781	0.000	0.000	0.000	0.000
2.400	0.694	1.494	0.800	0.000	0.000	0.000	0.000
2.500	0.700	1.563	0.817	0.000	0.000	0.000	0.000
2.600	0.706	1.634	0.835	0.000	0.000	0.000	0.000
2.700	0.712	1.705	0.852	0.000	0.000	0.000	0.000
2.800	0.718	1.776	0.868	0.000	0.000	0.000	0.000
2.900	0.724	1.848	0.885	0.000	0.000	0.000	0.000
3.000	0.730	1.921	0.901	0.000	0.000	0.000	0.000
3.100	0.736	1.994	0.916	0.000	0.000	0.000	0.000
3.200	0.742	2.068	0.932	0.000	0.000	0.000	0.000
3.300	0.748	2.142	0.947	0.000	0.000	0.000	0.000
3.400	0.754	2.217	0.962	0.000	0.000	0.000	0.000
3.500	0.760	2.293	0.977	0.000	0.000	0.000	0.000
3.600	0.766	2.369	0.991	0.000	0.000	0.000	0.000
3.700	0.772	2.446	1.006	0.000	0.000	0.000	0.000
3.800	0.778	2.523	1.020	0.000	0.000	0.000	0.000
3.900	0.784	2.601	1.034	0.000	0.000	0.000	0.000
4.000	0.790	2.679	1.047	0.000	0.000	0.000	0.000
4.100	0.796	2.759	1.061	0.000	0.000	0.000	0.000
4.200	0.802	2.838	1.074	0.000	0.000	0.000	0.000
4.300	0.808	2.919	1.088	0.000	0.000	0.000	0.000
4.400	0.814	3.000	1.290	0.000	0.000	0.000	0.000
4.500	0.820	3.081	1.650	0.000	0.000	0.000	0.000

4.600	0.826	3.163	2.111	0.000	0.000	0.000	0.000
4.700	0.832	3.246	2.655	0.000	0.000	0.000	0.000
4.800	0.838	3.329	3.271	0.000	0.000	0.000	0.000
4.900	0.844	3.413	3.950	0.000	0.000	0.000	0.000
5.000	0.850	3.497	4.675	0.000	0.000	0.000	0.000
5.100	0.856	3.583	5.135	0.000	0.000	0.000	0.000
5.200	0.862	3.668	5.550	0.000	0.000	0.000	0.000
5.300	0.868	3.754	5.930	0.000	0.000	0.000	0.000
5.400	0.874	3.841	6.283	0.000	0.000	0.000	0.000
5.500	0.880	3.929	6.615	0.000	0.000	0.000	0.000
5.600	0.886	4.017	6.928	0.000	0.000	0.000	0.000
5.700	0.892	4.105	7.226	0.000	0.000	0.000	0.000
5.800	0.898	4.195	7.511	0.000	0.000	0.000	0.000
5.900	0.904	4.284	7.784	0.000	0.000	0.000	0.000
6.000	0.910	4.375	8.047	0.000	0.000	0.000	0.000
6.100	0.916	4.466	8.301	0.000	0.000	0.000	0.000
6.200	0.922	4.557	8.546	0.000	0.000	0.000	0.000
6.300	0.928	4.650	8.784	0.000	0.000	0.000	0.000
6.400	0.934	4.742	9.331	0.000	0.000	0.000	0.000
6.500	0.940	4.836	10.13	0.000	0.000	0.000	0.000
6.600	0.946	4.930	11.10	0.000	0.000	0.000	0.000
6.700	0.952	5.024	12.20	0.000	0.000	0.000	0.000
6.800	0.958	5.119	13.42	0.000	0.000	0.000	0.000
6.900	0.964	5.215	14.73	0.000	0.000	0.000	0.000
7.000	0.970	5.311	16.14	0.000	0.000	0.000	0.000
7.100	0.976	5.408	17.63	0.000	0.000	0.000	0.000
7.200	0.982	5.506	19.21	0.000	0.000	0.000	0.000
7.300	0.988	5.604	20.85	0.000	0.000	0.000	0.000
7.400	0.994	5.703	22.58	0.000	0.000	0.000	0.000
7.500	1.000	5.802	24.36	0.000	0.000	0.000	0.000
7.600	1.006	5.902	26.22	0.000	0.000	0.000	0.000
7.700	1.012	6.002	28.14	0.000	0.000	0.000	0.000
7.800	1.018	6.103	30.11	0.000	0.000	0.000	0.000
7.900	1.024	6.205	32.15	0.000	0.000	0.000	0.000
8.000	1.030	6.307	34.24	0.000	0.000	0.000	0.000
8.250	1.045	6.566	39.71	0.000	0.000	0.000	0.000
8.500	1.060	6.828	45.51	0.000	0.000	0.000	0.000
8.750	1.075	7.093	51.60	0.000	0.000	0.000	0.000
9.000	1.090	7.363	57.99	0.000	0.000	0.000	0.000
9.250	1.105	7.636	64.64	0.000	0.000	0.000	0.000
9.500	1.120	7.912	71.57	0.000	0.000	0.000	0.000
9.750	1.135	8.193	78.74	0.000	0.000	0.000	0.000
10.000	1.150	8.477	86.16	0.000	0.000	0.000	0.000
10.25	1.165	8.765	101.2	0.000	0.000	0.000	0.000
10.50	1.180	9.057	121.2	0.000	0.000	0.000	0.000
10.75	1.195	9.352	145.5	0.000	0.000	0.000	0.000
11.00	1.210	9.651	173.2	0.000	0.000	0.000	0.000
11.25	1.225	9.954	203.8	0.000	0.000	0.000	0.000
11.50	1.240	10.26	237.1	0.000	0.000	0.000	0.000
11.75	1.255	10.57	999.0	0.000	0.000	0.000	0.000

POC 24

Bottom Length: 3435.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.012 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 23

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.473	0.000	0.000	0.000
0.2222	0.490	0.107	2.230	0.000
0.4444	0.508	0.218	6.947	0.000
0.6667	0.525	0.333	13.43	0.000
0.8889	0.543	0.451	21.40	0.000
1.1111	0.560	0.574	30.68	0.000
1.3333	0.578	0.701	41.16	0.000
1.5556	0.595	0.831	52.78	0.000
1.7778	0.613	0.965	65.48	0.000
2.0000	0.630	1.104	79.23	0.000
2.2222	0.648	1.246	94.00	0.000
2.4444	0.665	1.392	109.7	0.000
2.6667	0.683	1.542	126.5	0.000
2.8889	0.701	1.695	144.3	0.000
3.1111	0.718	1.853	163.0	0.000
3.3333	0.736	2.015	182.7	0.000
3.5556	0.753	2.180	203.5	0.000
3.7778	0.771	2.350	225.2	0.000
4.0000	0.788	2.523	247.9	0.000
4.2222	0.806	2.700	271.6	0.000
4.4444	0.823	2.881	296.3	0.000
4.6667	0.841	3.066	322.0	0.000
4.8889	0.858	3.255	348.7	0.000
5.1111	0.876	3.448	376.5	0.000
5.3333	0.893	3.645	405.3	0.000
5.5556	0.911	3.845	435.1	0.000
5.7778	0.928	4.050	466.0	0.000
6.0000	0.946	4.258	498.0	0.000
6.2222	0.963	4.470	531.0	0.000
6.4444	0.981	4.686	565.1	0.000
6.6667	0.998	4.906	600.3	0.000
6.8889	1.016	5.130	636.6	0.000
7.1111	1.034	5.358	674.1	0.000
7.3333	1.051	5.590	712.6	0.000
7.5556	1.069	5.825	752.3	0.000
7.7778	1.086	6.065	793.1	0.000
8.0000	1.104	6.308	835.0	0.000
8.2222	1.121	6.556	878.2	0.000
8.4444	1.139	6.807	922.5	0.000
8.6667	1.156	7.062	968.0	0.000

8.8889	1.174	7.321	1014.	0.000
9.1111	1.191	7.584	1062.	0.000
9.3333	1.209	7.850	1111.	0.000
9.5556	1.226	8.121	1161.	0.000
9.7778	1.244	8.396	1213.	0.000
10.000	1.261	8.674	1266.	0.000
10.222	1.279	8.956	1320.	0.000
10.444	1.296	9.243	1375.	0.000
10.667	1.314	9.533	1432.	0.000
10.889	1.331	9.827	1490.	0.000
11.111	1.349	10.12	1549.	0.000
11.333	1.367	10.42	1609.	0.000
11.556	1.384	10.73	1671.	0.000
11.778	1.402	11.04	1734.	0.000
12.000	1.419	11.35	1799.	0.000
12.222	1.437	11.67	1865.	0.000
12.444	1.454	11.99	1932.	0.000
12.667	1.472	12.32	2000.	0.000
12.889	1.489	12.64	2070.	0.000
13.111	1.507	12.98	2142.	0.000
13.333	1.524	13.31	2214.	0.000
13.556	1.542	13.66	2288.	0.000
13.778	1.559	14.00	2364.	0.000
14.000	1.577	14.35	2441.	0.000
14.222	1.594	14.70	2519.	0.000
14.444	1.612	15.06	2599.	0.000
14.667	1.629	15.42	2681.	0.000
14.889	1.647	15.78	2763.	0.000
15.111	1.664	16.15	2848.	0.000
15.333	1.682	16.52	2933.	0.000
15.556	1.700	16.90	3021.	0.000
15.778	1.717	17.28	3109.	0.000
16.000	1.735	17.66	3200.	0.000
16.222	1.752	18.05	3291.	0.000
16.444	1.770	18.44	3385.	0.000
16.667	1.787	18.83	3480.	0.000
16.889	1.805	19.23	3576.	0.000
17.111	1.822	19.64	3674.	0.000
17.333	1.840	20.04	3774.	0.000
17.556	1.857	20.45	3875.	0.000
17.778	1.875	20.87	3978.	0.000
18.000	1.892	21.29	4082.	0.000
18.222	1.910	21.71	4188.	0.000
18.444	1.927	22.14	4295.	0.000
18.667	1.945	22.57	4405.	0.000
18.889	1.962	23.00	4516.	0.000
19.111	1.980	23.44	4628.	0.000
19.333	1.998	23.88	4742.	0.000
19.556	2.015	24.33	4858.	0.000
19.778	2.033	24.78	4976.	0.000
20.000	2.050	25.23	5095.	0.000
20.222	2.068	25.69	5216.	0.000

HMB 22 (was 24)

Depth: 10 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 24

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.400	0.004	0.001	0.000	0.000	0.000	0.000
0.200	0.422	0.080	0.099	0.000	0.000	0.000	0.000
0.300	0.433	0.123	0.182	0.000	0.000	0.000	0.000
0.400	0.443	0.166	0.258	0.000	0.000	0.000	0.000
0.500	0.453	0.211	0.309	0.000	0.000	0.000	0.000
0.600	0.464	0.256	0.352	0.000	0.000	0.000	0.000
0.700	0.474	0.302	0.391	0.000	0.000	0.000	0.000
0.800	0.484	0.350	0.426	0.000	0.000	0.000	0.000
0.900	0.495	0.399	0.458	0.000	0.000	0.000	0.000
1.000	0.505	0.448	0.488	0.000	0.000	0.000	0.000
1.100	0.516	0.499	0.517	0.000	0.000	0.000	0.000
1.200	0.526	0.551	0.544	0.000	0.000	0.000	0.000
1.300	0.536	0.603	0.570	0.000	0.000	0.000	0.000
1.400	0.547	0.657	0.594	0.000	0.000	0.000	0.000
1.500	0.557	0.712	0.618	0.000	0.000	0.000	0.000
1.600	0.567	0.768	0.641	0.000	0.000	0.000	0.000
1.700	0.578	0.825	0.662	0.000	0.000	0.000	0.000
1.800	0.588	0.883	0.684	0.000	0.000	0.000	0.000
1.900	0.598	0.942	0.704	0.000	0.000	0.000	0.000
2.000	0.609	1.002	0.724	0.000	0.000	0.000	0.000
2.100	0.619	1.063	0.744	0.000	0.000	0.000	0.000
2.200	0.630	1.125	0.763	0.000	0.000	0.000	0.000
2.300	0.640	1.188	0.781	0.000	0.000	0.000	0.000
2.400	0.650	1.252	0.800	0.000	0.000	0.000	0.000
2.500	0.661	1.317	0.817	0.000	0.000	0.000	0.000
2.600	0.671	1.384	0.835	0.000	0.000	0.000	0.000
2.700	0.681	1.451	0.852	0.000	0.000	0.000	0.000
2.800	0.692	1.519	0.868	0.000	0.000	0.000	0.000
2.900	0.702	1.589	0.885	0.000	0.000	0.000	0.000
3.000	0.713	1.659	0.901	0.000	0.000	0.000	0.000
3.100	0.723	1.731	0.916	0.000	0.000	0.000	0.000
3.200	0.733	1.803	0.932	0.000	0.000	0.000	0.000
3.300	0.744	1.877	0.947	0.000	0.000	0.000	0.000
3.400	0.754	1.952	0.962	0.000	0.000	0.000	0.000
3.500	0.764	2.027	0.977	0.000	0.000	0.000	0.000
3.600	0.775	2.104	0.991	0.000	0.000	0.000	0.000
3.700	0.785	2.182	1.006	0.000	0.000	0.000	0.000
3.800	0.796	2.260	1.020	0.000	0.000	0.000	0.000
3.900	0.806	2.340	1.034	0.000	0.000	0.000	0.000
4.000	0.816	2.421	1.047	0.000	0.000	0.000	0.000
4.100	0.827	2.503	1.061	0.000	0.000	0.000	0.000
4.200	0.837	2.586	1.074	0.000	0.000	0.000	0.000
4.300	0.847	2.670	1.088	0.000	0.000	0.000	0.000
4.400	0.858	2.755	1.101	0.000	0.000	0.000	0.000
4.500	0.868	2.841	1.114	0.000	0.000	0.000	0.000
4.600	0.879	2.928	1.167	0.000	0.000	0.000	0.000

4.700	0.889	3.016	1.317	0.000	0.000	0.000	0.000
4.800	0.899	3.106	1.519	0.000	0.000	0.000	0.000
4.900	0.910	3.196	1.763	0.000	0.000	0.000	0.000
5.000	0.920	3.287	2.042	0.000	0.000	0.000	0.000
5.100	0.930	3.380	2.351	0.000	0.000	0.000	0.000
5.200	0.941	3.473	2.688	0.000	0.000	0.000	0.000
5.300	0.951	3.567	3.051	0.000	0.000	0.000	0.000
5.400	0.961	3.663	3.437	0.000	0.000	0.000	0.000
5.500	0.972	3.759	3.846	0.000	0.000	0.000	0.000
5.600	0.982	3.857	4.276	0.000	0.000	0.000	0.000
5.700	0.993	3.955	4.725	0.000	0.000	0.000	0.000
5.800	1.003	4.055	5.195	0.000	0.000	0.000	0.000
5.900	1.013	4.156	5.682	0.000	0.000	0.000	0.000
6.000	1.024	4.257	6.188	0.000	0.000	0.000	0.000
6.100	1.034	4.360	6.710	0.000	0.000	0.000	0.000
6.200	1.044	4.464	7.249	0.000	0.000	0.000	0.000
6.300	1.055	4.569	7.804	0.000	0.000	0.000	0.000
6.400	1.065	4.675	8.375	0.000	0.000	0.000	0.000
6.500	1.076	4.782	8.961	0.000	0.000	0.000	0.000
6.600	1.086	4.890	9.619	0.000	0.000	0.000	0.000
6.700	1.096	4.999	10.01	0.000	0.000	0.000	0.000
6.800	1.107	5.109	10.39	0.000	0.000	0.000	0.000
6.900	1.117	5.220	10.75	0.000	0.000	0.000	0.000
7.000	1.127	5.332	11.10	0.000	0.000	0.000	0.000
7.100	1.138	5.445	11.93	0.000	0.000	0.000	0.000
7.200	1.148	5.559	13.17	0.000	0.000	0.000	0.000
7.300	1.159	5.675	14.67	0.000	0.000	0.000	0.000
7.400	1.169	5.791	16.39	0.000	0.000	0.000	0.000
7.500	1.179	5.908	18.28	0.000	0.000	0.000	0.000
7.600	1.190	6.027	20.33	0.000	0.000	0.000	0.000
7.700	1.200	6.146	22.53	0.000	0.000	0.000	0.000
7.800	1.210	6.266	24.86	0.000	0.000	0.000	0.000
7.900	1.221	6.388	27.32	0.000	0.000	0.000	0.000
8.000	1.231	6.511	29.90	0.000	0.000	0.000	0.000
8.200	1.252	6.759	35.40	0.000	0.000	0.000	0.000
8.400	1.273	7.011	41.31	0.000	0.000	0.000	0.000
8.600	1.293	7.268	47.60	0.000	0.000	0.000	0.000
8.800	1.314	7.528	54.26	0.000	0.000	0.000	0.000
9.000	1.335	7.793	61.26	0.000	0.000	0.000	0.000
9.200	1.356	8.062	68.99	0.000	0.000	0.000	0.000
9.400	1.376	8.336	75.93	0.000	0.000	0.000	0.000
9.600	1.397	8.613	83.50	0.000	0.000	0.000	0.000
9.800	1.418	8.895	91.51	0.000	0.000	0.000	0.000
10.000	1.439	9.180	999.0	0.000	0.000	0.000	0.000

POC 23

Bottom Length: 1339.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0075 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 22

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.215	0.000	0.000	0.000
0.2222	0.222	0.048	2.063	0.000
0.4444	0.228	0.098	6.441	0.000
0.6667	0.235	0.150	12.47	0.000
0.8889	0.242	0.203	19.89	0.000
1.1111	0.249	0.258	28.53	0.000
1.3333	0.256	0.314	38.29	0.000
1.5556	0.263	0.371	49.09	0.000
1.7778	0.269	0.431	60.88	0.000
2.0000	0.276	0.491	73.63	0.000
2.2222	0.283	0.554	87.30	0.000
2.4444	0.290	0.617	101.8	0.000
2.6667	0.297	0.683	117.3	0.000
2.8889	0.304	0.749	133.7	0.000
3.1111	0.310	0.818	150.9	0.000
3.3333	0.317	0.888	169.0	0.000
3.5556	0.324	0.959	187.9	0.000
3.7778	0.331	1.032	207.7	0.000
4.0000	0.338	1.106	228.4	0.000
4.2222	0.345	1.182	249.9	0.000
4.4444	0.351	1.260	272.3	0.000
4.6667	0.358	1.338	295.6	0.000
4.8889	0.365	1.419	319.8	0.000
5.1111	0.372	1.501	344.8	0.000
5.3333	0.379	1.584	370.7	0.000
5.5556	0.386	1.669	397.5	0.000
5.7778	0.392	1.756	425.2	0.000
6.0000	0.399	1.844	453.8	0.000
6.2222	0.406	1.934	483.3	0.000
6.4444	0.413	2.025	513.7	0.000
6.6667	0.420	2.117	545.1	0.000
6.8889	0.427	2.211	577.4	0.000
7.1111	0.433	2.307	610.6	0.000
7.3333	0.440	2.404	644.7	0.000
7.5556	0.447	2.503	679.8	0.000
7.7778	0.454	2.603	715.9	0.000
8.0000	0.461	2.705	752.9	0.000
8.2222	0.468	2.808	790.9	0.000
8.4444	0.474	2.913	829.9	0.000
8.6667	0.481	3.019	869.9	0.000

8.8889	0.488	3.127	910.9	0.000
9.1111	0.495	3.236	952.8	0.000
9.3333	0.502	3.347	995.8	0.000
9.5556	0.509	3.459	1039.	0.000
9.7778	0.515	3.573	1084.	0.000
10.000	0.522	3.688	1130.	0.000
10.222	0.529	3.805	1178.	0.000
10.444	0.536	3.924	1226.	0.000
10.667	0.543	4.044	1275.	0.000
10.889	0.550	4.165	1325.	0.000
11.111	0.556	4.288	1377.	0.000
11.333	0.563	4.413	1429.	0.000
11.556	0.570	4.539	1482.	0.000
11.778	0.577	4.666	1537.	0.000
12.000	0.584	4.795	1593.	0.000
12.222	0.591	4.926	1650.	0.000
12.444	0.597	5.058	1708.	0.000
12.667	0.604	5.191	1767.	0.000
12.889	0.611	5.327	1827.	0.000
13.111	0.618	5.463	1888.	0.000
13.333	0.625	5.601	1951.	0.000
13.556	0.632	5.741	2014.	0.000
13.778	0.638	5.882	2079.	0.000
14.000	0.645	6.025	2145.	0.000
14.222	0.652	6.169	2212.	0.000
14.444	0.659	6.315	2281.	0.000
14.667	0.666	6.462	2350.	0.000
14.889	0.673	6.611	2421.	0.000
15.111	0.679	6.761	2493.	0.000
15.333	0.686	6.913	2566.	0.000
15.556	0.693	7.066	2641.	0.000
15.778	0.700	7.221	2716.	0.000
16.000	0.707	7.378	2793.	0.000
16.222	0.714	7.536	2871.	0.000
16.444	0.720	7.695	2951.	0.000
16.667	0.727	7.856	3032.	0.000
16.889	0.734	8.018	3113.	0.000
17.111	0.741	8.182	3197.	0.000
17.333	0.748	8.348	3281.	0.000
17.556	0.755	8.515	3367.	0.000
17.778	0.761	8.683	3454.	0.000
18.000	0.768	8.854	3543.	0.000
18.222	0.775	9.025	3632.	0.000
18.444	0.782	9.198	3723.	0.000
18.667	0.789	9.373	3816.	0.000
18.889	0.796	9.549	3909.	0.000
19.111	0.802	9.727	4004.	0.000
19.333	0.809	9.906	4101.	0.000
19.556	0.816	10.08	4199.	0.000
19.778	0.823	10.26	4298.	0.000
20.000	0.830	10.45	4398.	0.000
20.222	0.837	10.63	4500.	0.000

HMB 21 (was 23)

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 23

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.009	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.025	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.037	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.045	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.053	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.059	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.065	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.070	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.075	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.079	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.083	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.088	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.091	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.095	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.099	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.102	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.106	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.109	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.112	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.115	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.153	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.220	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.292	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.337	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.375	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.577	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.915	0.000	0.000	0.000	0.000
2.800	0.208	0.434	1.342	0.000	0.000	0.000	0.000
2.900	0.212	0.455	1.841	0.000	0.000	0.000	0.000
3.000	0.216	0.476	2.401	0.000	0.000	0.000	0.000
3.100	0.220	0.498	3.017	0.000	0.000	0.000	0.000
3.200	0.223	0.520	3.684	0.000	0.000	0.000	0.000
3.300	0.227	0.542	4.397	0.000	0.000	0.000	0.000
3.400	0.231	0.565	5.068	0.000	0.000	0.000	0.000
3.500	0.235	0.588	6.370	0.000	0.000	0.000	0.000
3.600	0.238	0.612	8.333	0.000	0.000	0.000	0.000
3.700	0.242	0.636	10.72	0.000	0.000	0.000	0.000
3.800	0.246	0.660	13.45	0.000	0.000	0.000	0.000
3.900	0.250	0.685	16.48	0.000	0.000	0.000	0.000
4.000	0.253	0.710	19.78	0.000	0.000	0.000	0.000
4.100	0.257	0.735	23.32	0.000	0.000	0.000	0.000
4.200	0.261	0.761	27.08	0.000	0.000	0.000	0.000
4.300	0.265	0.787	31.06	0.000	0.000	0.000	0.000
4.400	0.268	0.814	35.24	0.000	0.000	0.000	0.000
4.500	0.272	0.841	39.61	0.000	0.000	0.000	0.000

4.600	0.276	0.868	44.16	0.000	0.000	0.000	0.000
4.700	0.280	0.896	48.88	0.000	0.000	0.000	0.000
4.800	0.283	0.924	53.78	0.000	0.000	0.000	0.000
4.900	0.287	0.952	58.83	0.000	0.000	0.000	0.000
5.000	0.291	0.981	64.05	0.000	0.000	0.000	0.000
5.100	0.294	1.010	69.41	0.000	0.000	0.000	0.000
5.200	0.298	1.040	74.93	0.000	0.000	0.000	0.000
5.300	0.302	1.070	80.59	0.000	0.000	0.000	0.000
5.400	0.306	1.100	86.39	0.000	0.000	0.000	0.000
5.500	0.309	1.131	92.32	0.000	0.000	0.000	0.000
5.600	0.313	1.162	98.39	0.000	0.000	0.000	0.000
5.700	0.317	1.193	104.6	0.000	0.000	0.000	0.000
5.800	0.320	1.225	110.9	0.000	0.000	0.000	0.000
5.900	0.324	1.257	117.4	0.000	0.000	0.000	0.000
6.000	0.328	1.290	124.0	0.000	0.000	0.000	0.000
6.100	0.331	1.323	130.6	0.000	0.000	0.000	0.000
6.200	0.335	1.356	137.5	0.000	0.000	0.000	0.000
6.300	0.339	1.390	144.4	0.000	0.000	0.000	0.000
6.400	0.342	1.424	151.4	0.000	0.000	0.000	0.000
6.500	0.346	1.458	158.6	0.000	0.000	0.000	0.000
6.600	0.350	1.493	165.9	0.000	0.000	0.000	0.000
6.700	0.353	1.528	173.3	0.000	0.000	0.000	0.000
6.800	0.357	1.564	180.7	0.000	0.000	0.000	0.000
6.900	0.361	1.600	188.3	0.000	0.000	0.000	0.000
7.000	0.364	1.636	196.0	0.000	0.000	0.000	0.000
7.100	0.368	1.673	203.8	0.000	0.000	0.000	0.000
7.200	0.372	1.710	211.8	0.000	0.000	0.000	0.000
7.300	0.375	1.747	219.8	0.000	0.000	0.000	0.000
7.400	0.379	1.785	227.9	0.000	0.000	0.000	0.000
7.500	0.382	1.823	236.1	0.000	0.000	0.000	0.000
7.600	0.386	1.862	244.4	0.000	0.000	0.000	0.000
7.700	0.390	1.901	252.8	0.000	0.000	0.000	0.000
7.800	0.393	1.940	261.2	0.000	0.000	0.000	0.000
7.900	0.397	1.980	269.8	0.000	0.000	0.000	0.000
8.000	0.401	2.020	278.5	0.000	0.000	0.000	0.000
8.100	0.600	3.300	999.0	0.000	0.000	0.000	0.000

POC 22

Bottom Length: 2058.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0087 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
DB 7 (was 8)

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.330	0.000	0.000	0.000
0.2222	0.341	0.074	2.222	0.000
0.4444	0.351	0.151	6.937	0.000
0.6667	0.362	0.231	13.43	0.000
0.8889	0.372	0.312	21.42	0.000
1.1111	0.383	0.396	30.73	0.000
1.3333	0.393	0.483	41.24	0.000
1.5556	0.404	0.571	52.87	0.000
1.7778	0.414	0.662	65.57	0.000
2.0000	0.425	0.755	79.30	0.000
2.2222	0.435	0.851	94.03	0.000
2.4444	0.446	0.949	109.7	0.000
2.6667	0.456	1.049	126.3	0.000
2.8889	0.467	1.152	144.0	0.000
3.1111	0.477	1.257	162.5	0.000
3.3333	0.488	1.364	182.0	0.000
3.5556	0.498	1.474	202.4	0.000
3.7778	0.509	1.586	223.7	0.000
4.0000	0.519	1.700	246.0	0.000
4.2222	0.530	1.817	269.2	0.000
4.4444	0.540	1.936	293.3	0.000
4.6667	0.551	2.057	318.4	0.000
4.8889	0.561	2.181	344.4	0.000
5.1111	0.572	2.307	371.3	0.000
5.3333	0.582	2.435	399.3	0.000
5.5556	0.593	2.566	428.1	0.000
5.7778	0.603	2.699	458.0	0.000
6.0000	0.614	2.834	488.8	0.000
6.2222	0.624	2.972	520.6	0.000
6.4444	0.635	3.112	553.3	0.000
6.6667	0.645	3.254	587.1	0.000
6.8889	0.656	3.399	621.9	0.000
7.1111	0.666	3.546	657.6	0.000
7.3333	0.677	3.695	694.4	0.000
7.5556	0.687	3.847	732.2	0.000
7.7778	0.698	4.001	771.1	0.000
8.0000	0.708	4.157	810.9	0.000
8.2222	0.719	4.316	851.9	0.000
8.4444	0.729	4.477	893.9	0.000
8.6667	0.740	4.640	936.9	0.000

8.8889	0.750	4.806	981.0	0.000
9.1111	0.761	4.974	1026.	0.000
9.3333	0.771	5.144	1072.	0.000
9.5556	0.782	5.317	1119.	0.000
9.7778	0.792	5.492	1168.	0.000
10.000	0.803	5.669	1218.	0.000
10.222	0.813	5.849	1268.	0.000
10.444	0.824	6.031	1320.	0.000
10.667	0.834	6.215	1373.	0.000
10.889	0.845	6.402	1427.	0.000
11.111	0.855	6.591	1483.	0.000
11.333	0.866	6.782	1539.	0.000
11.556	0.876	6.976	1597.	0.000
11.778	0.887	7.172	1656.	0.000
12.000	0.897	7.370	1716.	0.000
12.222	0.908	7.571	1777.	0.000
12.444	0.918	7.774	1839.	0.000
12.667	0.929	7.979	1903.	0.000
12.889	0.939	8.187	1968.	0.000
13.111	0.950	8.397	2034.	0.000
13.333	0.960	8.609	2101.	0.000
13.556	0.971	8.824	2170.	0.000
13.778	0.981	9.041	2239.	0.000
14.000	0.992	9.260	2311.	0.000
14.222	1.002	9.482	2383.	0.000
14.444	1.013	9.706	2457.	0.000
14.667	1.023	9.932	2531.	0.000
14.889	1.034	10.16	2608.	0.000
15.111	1.044	10.39	2685.	0.000
15.333	1.055	10.62	2764.	0.000
15.556	1.065	10.86	2844.	0.000
15.778	1.076	11.09	2926.	0.000
16.000	1.086	11.34	3009.	0.000
16.222	1.097	11.58	3093.	0.000
16.444	1.107	11.82	3178.	0.000
16.667	1.118	12.07	3265.	0.000
16.889	1.128	12.32	3353.	0.000
17.111	1.139	12.57	3443.	0.000
17.333	1.149	12.83	3534.	0.000
17.556	1.160	13.08	3626.	0.000
17.778	1.170	13.34	3720.	0.000
18.000	1.181	13.60	3815.	0.000
18.222	1.191	13.87	3912.	0.000
18.444	1.202	14.13	4010.	0.000
18.667	1.212	14.40	4110.	0.000
18.889	1.223	14.67	4211.	0.000
19.111	1.233	14.95	4313.	0.000
19.333	1.244	15.22	4417.	0.000
19.556	1.254	15.50	4522.	0.000
19.778	1.265	15.78	4629.	0.000
20.000	1.275	16.06	4737.	0.000
20.222	1.286	16.35	4847.	0.000

HMB 20 (was 22)

Depth: 10.1 ft.
Element Flows To:
Outlet 1 Outlet 2
DB 7 (was 8)

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.180	0.002	0.001	0.000	0.000	0.000	0.000
0.200	0.195	0.035	0.124	0.000	0.000	0.000	0.000
0.300	0.202	0.055	0.228	0.000	0.000	0.000	0.000
0.400	0.209	0.075	0.323	0.000	0.000	0.000	0.000
0.500	0.216	0.096	0.386	0.000	0.000	0.000	0.000
0.600	0.223	0.118	0.440	0.000	0.000	0.000	0.000
0.700	0.230	0.140	0.488	0.000	0.000	0.000	0.000
0.800	0.236	0.164	0.532	0.000	0.000	0.000	0.000
0.900	0.243	0.187	0.573	0.000	0.000	0.000	0.000
1.000	0.250	0.212	0.610	0.000	0.000	0.000	0.000
1.100	0.257	0.237	0.646	0.000	0.000	0.000	0.000
1.200	0.264	0.263	0.680	0.000	0.000	0.000	0.000
1.300	0.271	0.290	0.712	0.000	0.000	0.000	0.000
1.400	0.278	0.317	0.743	0.000	0.000	0.000	0.000
1.500	0.284	0.345	0.772	0.000	0.000	0.000	0.000
1.600	0.291	0.374	0.801	0.000	0.000	0.000	0.000
1.700	0.298	0.403	0.828	0.000	0.000	0.000	0.000
1.800	0.305	0.433	0.855	0.000	0.000	0.000	0.000
1.900	0.312	0.464	0.880	0.000	0.000	0.000	0.000
2.000	0.319	0.495	0.905	0.000	0.000	0.000	0.000
2.100	0.326	0.527	0.930	0.000	0.000	0.000	0.000
2.200	0.333	0.560	0.954	0.000	0.000	0.000	0.000
2.300	0.339	0.594	0.977	0.000	0.000	0.000	0.000
2.400	0.346	0.628	0.999	0.000	0.000	0.000	0.000
2.500	0.353	0.663	1.022	0.000	0.000	0.000	0.000
2.600	0.360	0.698	1.043	0.000	0.000	0.000	0.000
2.700	0.367	0.735	1.064	0.000	0.000	0.000	0.000
2.800	0.374	0.772	1.085	0.000	0.000	0.000	0.000
2.900	0.381	0.809	1.106	0.000	0.000	0.000	0.000
3.000	0.388	0.848	1.126	0.000	0.000	0.000	0.000
3.100	0.394	0.887	1.145	0.000	0.000	0.000	0.000
3.200	0.401	0.926	1.165	0.000	0.000	0.000	0.000
3.300	0.408	0.967	1.184	0.000	0.000	0.000	0.000
3.400	0.415	1.008	1.203	0.000	0.000	0.000	0.000
3.500	0.422	1.049	1.221	0.000	0.000	0.000	0.000
3.600	0.429	1.092	1.239	0.000	0.000	0.000	0.000
3.700	0.436	1.135	1.257	0.000	0.000	0.000	0.000
3.800	0.443	1.179	1.275	0.000	0.000	0.000	0.000
3.900	0.449	1.223	1.292	0.000	0.000	0.000	0.000
4.000	0.456	1.269	1.309	0.000	0.000	0.000	0.000
4.100	0.463	1.314	1.326	0.000	0.000	0.000	0.000
4.200	0.470	1.361	1.343	0.000	0.000	0.000	0.000
4.300	0.477	1.408	1.360	0.000	0.000	0.000	0.000
4.400	0.484	1.456	1.376	0.000	0.000	0.000	0.000
4.500	0.491	1.505	1.392	0.000	0.000	0.000	0.000
4.600	0.498	1.554	1.408	0.000	0.000	0.000	0.000

4.700	0.504	1.604	1.424	0.000	0.000	0.000	0.000
4.800	0.511	1.655	1.439	0.000	0.000	0.000	0.000
4.900	0.518	1.706	1.455	0.000	0.000	0.000	0.000
5.000	0.525	1.758	1.470	0.000	0.000	0.000	0.000
5.100	0.532	1.811	1.485	0.000	0.000	0.000	0.000
5.200	0.539	1.865	1.500	0.000	0.000	0.000	0.000
5.300	0.546	1.919	1.515	0.000	0.000	0.000	0.000
5.400	0.552	1.974	1.530	0.000	0.000	0.000	0.000
5.500	0.559	2.029	1.544	0.000	0.000	0.000	0.000
5.600	0.566	2.085	1.559	0.000	0.000	0.000	0.000
5.700	0.573	2.142	1.573	0.000	0.000	0.000	0.000
5.800	0.580	2.200	1.587	0.000	0.000	0.000	0.000
5.900	0.587	2.258	1.601	0.000	0.000	0.000	0.000
6.000	0.594	2.317	1.615	0.000	0.000	0.000	0.000
6.100	0.601	2.377	1.629	0.000	0.000	0.000	0.000
6.200	0.607	2.437	1.643	0.000	0.000	0.000	0.000
6.300	0.614	2.498	1.656	0.000	0.000	0.000	0.000
6.400	0.621	2.560	1.670	0.000	0.000	0.000	0.000
6.500	0.628	2.622	1.683	0.000	0.000	0.000	0.000
6.600	0.635	2.685	1.696	0.000	0.000	0.000	0.000
6.700	0.642	2.749	1.709	0.000	0.000	0.000	0.000
6.800	0.649	2.814	1.722	0.000	0.000	0.000	0.000
6.900	0.656	2.879	1.735	0.000	0.000	0.000	0.000
7.000	0.662	2.945	1.748	0.000	0.000	0.000	0.000
7.100	0.669	3.011	1.761	0.000	0.000	0.000	0.000
7.200	0.676	3.078	1.774	0.000	0.000	0.000	0.000
7.300	0.683	3.146	1.786	0.000	0.000	0.000	0.000
7.400	0.690	3.215	1.799	0.000	0.000	0.000	0.000
7.500	0.697	3.284	1.811	0.000	0.000	0.000	0.000
7.600	0.704	3.354	1.823	0.000	0.000	0.000	0.000
7.700	0.711	3.425	1.836	0.000	0.000	0.000	0.000
7.800	0.717	3.496	1.848	0.000	0.000	0.000	0.000
7.900	0.724	3.568	1.860	0.000	0.000	0.000	0.000
8.000	0.731	3.641	1.872	0.000	0.000	0.000	0.000
8.100	0.738	3.714	1.884	0.000	0.000	0.000	0.000
8.200	0.745	3.789	1.895	0.000	0.000	0.000	0.000
8.300	0.752	3.863	1.907	0.000	0.000	0.000	0.000
8.400	0.759	3.939	1.919	0.000	0.000	0.000	0.000
8.500	0.765	4.015	1.931	0.000	0.000	0.000	0.000
8.600	0.772	4.092	1.942	0.000	0.000	0.000	0.000
8.700	0.779	4.169	1.954	0.000	0.000	0.000	0.000
8.800	0.786	4.248	1.965	0.000	0.000	0.000	0.000
8.900	0.793	4.327	1.976	0.000	0.000	0.000	0.000
9.000	0.800	4.406	1.988	0.000	0.000	0.000	0.000
9.200	0.814	4.568	2.010	0.000	0.000	0.000	0.000
9.400	0.827	4.732	2.032	0.000	0.000	0.000	0.000
9.600	0.841	4.898	2.054	0.000	0.000	0.000	0.000
9.800	0.855	5.068	2.076	0.000	0.000	0.000	0.000
10.000	0.869	5.240	2.097	0.000	0.000	0.000	0.000
10.10	0.882	5.415	999.0	0.000	0.000	0.000	0.000

POC 28

Bottom Length: 1673.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0442 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21 SF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.307	0.000	0.000	0.000
0.0222	0.308	0.006	0.125	0.000
0.0444	0.309	0.013	0.397	0.000
0.0667	0.309	0.020	0.780	0.000
0.0889	0.310	0.027	1.258	0.000
0.1111	0.311	0.034	1.822	0.000
0.1333	0.312	0.041	2.465	0.000
0.1556	0.313	0.048	3.182	0.000
0.1778	0.314	0.055	3.968	0.000
0.2000	0.314	0.062	4.821	0.000
0.2222	0.315	0.069	5.738	0.000
0.2444	0.316	0.076	6.715	0.000
0.2667	0.317	0.083	7.750	0.000
0.2889	0.318	0.090	8.843	0.000
0.3111	0.319	0.097	9.990	0.000
0.3333	0.320	0.104	11.19	0.000
0.3556	0.320	0.111	12.44	0.000
0.3778	0.321	0.118	13.74	0.000
0.4000	0.322	0.126	15.09	0.000
0.4222	0.323	0.133	16.49	0.000
0.4444	0.324	0.140	17.94	0.000
0.4667	0.325	0.147	19.43	0.000
0.4889	0.326	0.154	20.97	0.000
0.5111	0.326	0.162	22.55	0.000
0.5333	0.327	0.169	24.17	0.000
0.5556	0.328	0.176	25.84	0.000
0.5778	0.329	0.183	27.55	0.000
0.6000	0.330	0.191	29.30	0.000
0.6222	0.331	0.198	31.09	0.000
0.6444	0.332	0.206	32.92	0.000
0.6667	0.332	0.213	34.79	0.000
0.6889	0.333	0.220	36.70	0.000
0.7111	0.334	0.228	38.64	0.000
0.7333	0.335	0.235	40.63	0.000
0.7556	0.336	0.243	42.65	0.000
0.7778	0.337	0.250	44.71	0.000
0.8000	0.338	0.258	46.80	0.000
0.8222	0.338	0.265	48.93	0.000
0.8444	0.339	0.273	51.09	0.000
0.8667	0.340	0.280	53.29	0.000

0.8889	0.341	0.288	55.53	0.000
0.9111	0.342	0.295	57.80	0.000
0.9333	0.343	0.303	60.10	0.000
0.9556	0.344	0.311	62.44	0.000
0.9778	0.344	0.318	64.80	0.000
1.0000	0.345	0.326	67.21	0.000
1.0222	0.346	0.334	69.64	0.000
1.0444	0.347	0.341	72.11	0.000
1.0667	0.348	0.349	74.61	0.000
1.0889	0.349	0.357	77.14	0.000
1.1111	0.349	0.365	79.70	0.000
1.1333	0.350	0.372	82.29	0.000
1.1556	0.351	0.380	84.92	0.000
1.1778	0.352	0.388	87.57	0.000
1.2000	0.353	0.396	90.25	0.000
1.2222	0.354	0.404	92.97	0.000
1.2444	0.355	0.412	95.72	0.000
1.2667	0.355	0.420	98.49	0.000
1.2889	0.356	0.427	101.3	0.000
1.3111	0.357	0.435	104.1	0.000
1.3333	0.358	0.443	107.0	0.000
1.3556	0.359	0.451	109.8	0.000
1.3778	0.360	0.459	112.8	0.000
1.4000	0.361	0.467	115.7	0.000
1.4222	0.361	0.475	118.7	0.000
1.4444	0.362	0.483	121.7	0.000
1.4667	0.363	0.492	124.7	0.000
1.4889	0.364	0.500	127.8	0.000
1.5111	0.365	0.508	130.9	0.000
1.5333	0.366	0.516	134.0	0.000
1.5556	0.367	0.524	137.2	0.000
1.5778	0.367	0.532	140.3	0.000
1.6000	0.368	0.540	143.5	0.000
1.6222	0.369	0.549	146.8	0.000
1.6444	0.370	0.557	150.0	0.000
1.6667	0.371	0.565	153.3	0.000
1.6889	0.372	0.573	156.6	0.000
1.7111	0.373	0.582	159.9	0.000
1.7333	0.373	0.590	163.3	0.000
1.7556	0.374	0.598	166.7	0.000
1.7778	0.375	0.607	170.1	0.000
1.8000	0.376	0.615	173.6	0.000
1.8222	0.377	0.623	177.0	0.000
1.8444	0.378	0.632	180.5	0.000
1.8667	0.379	0.640	184.0	0.000
1.8889	0.379	0.648	187.6	0.000
1.9111	0.380	0.657	191.2	0.000
1.9333	0.381	0.665	194.8	0.000
1.9556	0.382	0.674	198.4	0.000
1.9778	0.383	0.682	202.0	0.000
2.0000	0.384	0.691	205.7	0.000
2.0222	0.385	0.699	209.4	0.000

HMB 26 (was 28)

Depth: 18.7 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 28

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.320	0.003	0.001	0.000	0.000	0.000	0.000
0.100	0.323	0.035	0.026	0.000	0.000	0.000	0.000
0.300	0.332	0.100	0.126	0.000	0.000	0.000	0.000
0.500	0.341	0.167	0.184	0.000	0.000	0.000	0.000
0.700	0.350	0.236	0.228	0.000	0.000	0.000	0.000
0.900	0.359	0.306	0.265	0.000	0.000	0.000	0.000
1.100	0.369	0.379	0.297	0.000	0.000	0.000	0.000
1.300	0.378	0.453	0.326	0.000	0.000	0.000	0.000
1.500	0.387	0.529	0.353	0.000	0.000	0.000	0.000
1.700	0.396	0.607	0.378	0.000	0.000	0.000	0.000
1.900	0.405	0.687	0.401	0.000	0.000	0.000	0.000
2.100	0.414	0.769	0.423	0.000	0.000	0.000	0.000
2.300	0.423	0.852	0.444	0.000	0.000	0.000	0.000
2.500	0.433	0.938	0.464	0.000	0.000	0.000	0.000
2.700	0.442	1.025	0.483	0.000	0.000	0.000	0.000
2.900	0.451	1.114	0.501	0.000	0.000	0.000	0.000
3.100	0.460	1.205	0.519	0.000	0.000	0.000	0.000
3.300	0.469	1.297	0.536	0.000	0.000	0.000	0.000
3.500	0.478	1.392	0.553	0.000	0.000	0.000	0.000
3.700	0.487	1.488	0.668	0.000	0.000	0.000	0.000
3.900	0.497	1.586	0.866	0.000	0.000	0.000	0.000
4.100	0.506	1.686	1.116	0.000	0.000	0.000	0.000
4.300	0.515	1.788	1.409	0.000	0.000	0.000	0.000
4.500	0.524	1.892	1.739	0.000	0.000	0.000	0.000
4.700	0.533	1.998	2.103	0.000	0.000	0.000	0.000
4.900	0.542	2.105	2.496	0.000	0.000	0.000	0.000
5.100	0.552	2.214	2.918	0.000	0.000	0.000	0.000
5.300	0.561	2.325	3.365	0.000	0.000	0.000	0.000
5.500	0.570	2.438	3.837	0.000	0.000	0.000	0.000
5.700	0.579	2.553	4.227	0.000	0.000	0.000	0.000
5.900	0.588	2.670	4.521	0.000	0.000	0.000	0.000
6.100	0.597	2.788	4.901	0.000	0.000	0.000	0.000
6.300	0.606	2.908	5.602	0.000	0.000	0.000	0.000
6.500	0.616	3.030	6.477	0.000	0.000	0.000	0.000
6.700	0.625	3.154	7.483	0.000	0.000	0.000	0.000
6.900	0.634	3.280	8.599	0.000	0.000	0.000	0.000
7.100	0.643	3.408	9.813	0.000	0.000	0.000	0.000
7.300	0.652	3.537	11.11	0.000	0.000	0.000	0.000
7.500	0.661	3.669	12.50	0.000	0.000	0.000	0.000
7.700	0.671	3.802	13.95	0.000	0.000	0.000	0.000
7.900	0.680	3.937	15.48	0.000	0.000	0.000	0.000
8.100	0.689	4.073	17.07	0.000	0.000	0.000	0.000
8.300	0.698	4.212	18.73	0.000	0.000	0.000	0.000
8.500	0.707	4.353	20.45	0.000	0.000	0.000	0.000
8.700	0.716	4.495	22.23	0.000	0.000	0.000	0.000
8.900	0.725	4.639	24.07	0.000	0.000	0.000	0.000

9.100	0.735	4.785	25.96	0.000	0.000	0.000	0.000
9.300	0.744	4.933	27.91	0.000	0.000	0.000	0.000
9.500	0.753	5.083	29.90	0.000	0.000	0.000	0.000
9.700	0.762	5.234	31.95	0.000	0.000	0.000	0.000
9.900	0.771	5.387	34.05	0.000	0.000	0.000	0.000
10.10	0.780	5.543	36.19	0.000	0.000	0.000	0.000
10.30	0.789	5.700	38.38	0.000	0.000	0.000	0.000
10.50	0.799	5.859	40.62	0.000	0.000	0.000	0.000
10.70	0.808	6.019	42.90	0.000	0.000	0.000	0.000
10.90	0.817	6.182	45.23	0.000	0.000	0.000	0.000
11.10	0.826	6.346	47.60	0.000	0.000	0.000	0.000
11.30	0.835	6.512	53.67	0.000	0.000	0.000	0.000
11.50	0.844	6.680	61.79	0.000	0.000	0.000	0.000
11.70	0.854	6.850	71.79	0.000	0.000	0.000	0.000
11.90	0.863	7.022	83.30	0.000	0.000	0.000	0.000
12.10	0.872	7.196	96.12	0.000	0.000	0.000	0.000
12.30	0.881	7.371	110.1	0.000	0.000	0.000	0.000
12.50	0.890	7.548	125.1	0.000	0.000	0.000	0.000
12.70	0.899	7.727	141.2	0.000	0.000	0.000	0.000
12.90	0.908	7.908	158.1	0.000	0.000	0.000	0.000
13.10	0.918	8.091	175.9	0.000	0.000	0.000	0.000
13.30	0.927	8.276	194.5	0.000	0.000	0.000	0.000
13.50	0.936	8.462	213.9	0.000	0.000	0.000	0.000
13.70	0.945	8.650	234.1	0.000	0.000	0.000	0.000
13.90	0.954	8.840	255.0	0.000	0.000	0.000	0.000
14.10	0.963	9.032	276.6	0.000	0.000	0.000	0.000
14.30	0.973	9.226	298.8	0.000	0.000	0.000	0.000
14.50	0.982	9.422	321.7	0.000	0.000	0.000	0.000
14.70	0.991	9.619	345.2	0.000	0.000	0.000	0.000
14.90	1.000	9.819	369.4	0.000	0.000	0.000	0.000
15.10	1.009	10.02	394.1	0.000	0.000	0.000	0.000
15.30	1.018	10.22	419.5	0.000	0.000	0.000	0.000
15.50	1.027	10.43	445.4	0.000	0.000	0.000	0.000
15.70	1.037	10.63	471.8	0.000	0.000	0.000	0.000
15.90	1.046	10.84	498.8	0.000	0.000	0.000	0.000
16.10	1.055	11.05	526.4	0.000	0.000	0.000	0.000
16.30	1.064	11.27	554.4	0.000	0.000	0.000	0.000
16.50	1.073	11.48	583.0	0.000	0.000	0.000	0.000
16.70	1.082	11.70	612.1	0.000	0.000	0.000	0.000
16.90	1.091	11.91	641.7	0.000	0.000	0.000	0.000
17.10	1.101	12.13	671.7	0.000	0.000	0.000	0.000
17.30	1.110	12.35	702.3	0.000	0.000	0.000	0.000
17.50	1.119	12.58	733.3	0.000	0.000	0.000	0.000
17.70	1.128	12.80	764.8	0.000	0.000	0.000	0.000
17.90	1.137	13.03	796.7	0.000	0.000	0.000	0.000
18.10	1.146	13.26	829.1	0.000	0.000	0.000	0.000
18.30	1.156	13.49	861.9	0.000	0.000	0.000	0.000
18.50	1.165	13.72	895.2	0.000	0.000	0.000	0.000
18.70	1.174	13.95	9999	0.000	0.000	0.000	0.000

HMB 25 (was 27)

Depth: 8 ft.
Element Flows To:
Outlet 1 Outlet 2
DB 9 (was 10)

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	0.350	0.035	0.035	0.000	0.000	0.000	0.000
0.200	0.360	0.070	0.099	0.000	0.000	0.000	0.000
0.300	0.364	0.107	0.182	0.000	0.000	0.000	0.000
0.400	0.369	0.144	0.258	0.000	0.000	0.000	0.000
0.500	0.373	0.181	0.309	0.000	0.000	0.000	0.000
0.600	0.377	0.219	0.352	0.000	0.000	0.000	0.000
0.700	0.382	0.257	0.391	0.000	0.000	0.000	0.000
0.800	0.386	0.296	0.426	0.000	0.000	0.000	0.000
0.900	0.391	0.335	0.458	0.000	0.000	0.000	0.000
1.000	0.395	0.374	0.488	0.000	0.000	0.000	0.000
1.100	0.400	0.414	0.517	0.000	0.000	0.000	0.000
1.200	0.404	0.454	0.544	0.000	0.000	0.000	0.000
1.300	0.409	0.495	0.570	0.000	0.000	0.000	0.000
1.400	0.413	0.536	0.594	0.000	0.000	0.000	0.000
1.500	0.418	0.578	0.618	0.000	0.000	0.000	0.000
1.600	0.422	0.620	0.641	0.000	0.000	0.000	0.000
1.700	0.426	0.662	0.662	0.000	0.000	0.000	0.000
1.800	0.431	0.705	0.684	0.000	0.000	0.000	0.000
1.900	0.435	0.749	0.704	0.000	0.000	0.000	0.000
2.000	0.440	0.793	0.724	0.000	0.000	0.000	0.000
2.100	0.444	0.837	0.744	0.000	0.000	0.000	0.000
2.200	0.449	0.881	0.763	0.000	0.000	0.000	0.000
2.300	0.453	0.927	0.781	0.000	0.000	0.000	0.000
2.400	0.457	0.972	0.800	0.000	0.000	0.000	0.000
2.500	0.462	1.018	0.817	0.000	0.000	0.000	0.000
2.600	0.466	1.064	0.835	0.000	0.000	0.000	0.000
2.700	0.471	1.111	0.852	0.000	0.000	0.000	0.000
2.800	0.475	1.158	0.868	0.000	0.000	0.000	0.000
2.900	0.479	1.206	0.885	0.000	0.000	0.000	0.000
3.000	0.484	1.254	0.901	0.000	0.000	0.000	0.000
3.100	0.488	1.303	0.916	0.000	0.000	0.000	0.000
3.200	0.493	1.352	0.932	0.000	0.000	0.000	0.000
3.300	0.497	1.401	0.947	0.000	0.000	0.000	0.000
3.400	0.501	1.451	0.962	0.000	0.000	0.000	0.000
3.500	0.506	1.501	0.977	0.000	0.000	0.000	0.000
3.600	0.510	1.552	0.991	0.000	0.000	0.000	0.000
3.700	0.514	1.603	1.006	0.000	0.000	0.000	0.000
3.800	0.519	1.655	1.020	0.000	0.000	0.000	0.000
3.900	0.523	1.707	1.034	0.000	0.000	0.000	0.000
4.000	0.527	1.759	1.047	0.000	0.000	0.000	0.000
4.100	0.532	1.812	1.061	0.000	0.000	0.000	0.000
4.200	0.536	1.865	1.074	0.000	0.000	0.000	0.000
4.300	0.540	1.919	1.088	0.000	0.000	0.000	0.000
4.400	0.545	1.973	1.101	0.000	0.000	0.000	0.000
4.500	0.549	2.028	1.114	0.000	0.000	0.000	0.000
4.600	0.553	2.083	1.126	0.000	0.000	0.000	0.000

4.700	0.558	2.138	1.139	0.000	0.000	0.000	0.000
4.800	0.562	2.194	1.152	0.000	0.000	0.000	0.000
4.900	0.566	2.250	1.164	0.000	0.000	0.000	0.000
5.000	0.571	2.307	1.176	0.000	0.000	0.000	0.000
5.100	0.575	2.364	1.188	0.000	0.000	0.000	0.000
5.200	0.579	2.422	1.200	0.000	0.000	0.000	0.000
5.300	0.584	2.480	1.212	0.000	0.000	0.000	0.000
5.400	0.588	2.539	1.224	0.000	0.000	0.000	0.000
5.500	0.592	2.598	1.236	0.000	0.000	0.000	0.000
5.600	0.597	2.657	1.247	0.000	0.000	0.000	0.000
5.700	0.601	2.717	1.258	0.000	0.000	0.000	0.000
5.800	0.605	2.777	1.270	0.000	0.000	0.000	0.000
5.900	0.609	2.837	1.281	0.000	0.000	0.000	0.000
6.000	0.614	2.899	1.292	0.000	0.000	0.000	0.000
6.100	0.618	2.960	1.303	0.000	0.000	0.000	0.000
6.200	0.622	3.022	1.314	0.000	0.000	0.000	0.000
6.300	0.627	3.084	1.325	0.000	0.000	0.000	0.000
6.400	0.631	3.147	1.336	0.000	0.000	0.000	0.000
6.500	0.635	3.210	1.346	0.000	0.000	0.000	0.000
6.600	0.639	3.274	1.357	0.000	0.000	0.000	0.000
6.700	0.644	3.338	1.367	0.000	0.000	0.000	0.000
6.800	0.648	3.403	1.378	0.000	0.000	0.000	0.000
6.900	0.652	3.468	1.388	0.000	0.000	0.000	0.000
7.000	0.656	3.533	1.399	0.000	0.000	0.000	0.000
7.100	0.661	3.599	1.409	0.000	0.000	0.000	0.000
7.200	0.665	3.665	1.419	0.000	0.000	0.000	0.000
7.300	0.669	3.732	1.429	0.000	0.000	0.000	0.000
7.400	0.673	3.799	1.439	0.000	0.000	0.000	0.000
7.500	0.677	3.867	1.449	0.000	0.000	0.000	0.000
7.600	0.682	3.935	1.459	0.000	0.000	0.000	0.000
7.700	0.686	4.003	1.679	0.000	0.000	0.000	0.000
7.800	0.690	4.072	2.074	0.000	0.000	0.000	0.000
7.900	0.694	4.141	2.582	0.000	0.000	0.000	0.000
8.000	0.699	4.211	999.0	0.000	0.000	0.000	0.000

POC 25

Bottom Length: 2050.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0224 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.235	0.000	0.000	0.000
0.1111	0.240	0.026	0.806	0.000
0.2222	0.245	0.053	2.529	0.000
0.3333	0.251	0.081	4.914	0.000
0.4444	0.256	0.109	7.856	0.000
0.5556	0.261	0.138	11.28	0.000
0.6667	0.266	0.167	15.16	0.000
0.7778	0.271	0.197	19.45	0.000
0.8889	0.277	0.227	24.13	0.000
1.0000	0.282	0.258	29.18	0.000
1.1111	0.287	0.290	34.58	0.000
1.2222	0.292	0.322	40.33	0.000
1.3333	0.298	0.355	46.41	0.000
1.4444	0.303	0.389	52.81	0.000
1.5556	0.308	0.423	59.53	0.000
1.6667	0.313	0.457	66.57	0.000
1.7778	0.319	0.492	73.91	0.000
1.8889	0.324	0.528	81.56	0.000
2.0000	0.329	0.564	89.51	0.000
2.1111	0.334	0.601	97.77	0.000
2.2222	0.339	0.639	106.3	0.000
2.3333	0.345	0.677	115.1	0.000
2.4444	0.350	0.715	124.3	0.000
2.5556	0.355	0.755	133.7	0.000
2.6667	0.360	0.794	143.5	0.000
2.7778	0.366	0.835	153.5	0.000
2.8889	0.371	0.876	163.9	0.000
3.0000	0.376	0.917	174.5	0.000
3.1111	0.381	0.959	185.5	0.000
3.2222	0.387	1.002	196.7	0.000
3.3333	0.392	1.045	208.3	0.000
3.4444	0.397	1.089	220.1	0.000
3.5556	0.402	1.134	232.3	0.000
3.6667	0.407	1.179	244.7	0.000
3.7778	0.413	1.224	257.5	0.000
3.8889	0.418	1.271	270.5	0.000
4.0000	0.423	1.317	283.9	0.000
4.1111	0.428	1.365	297.6	0.000
4.2222	0.434	1.413	311.6	0.000
4.3333	0.439	1.461	325.9	0.000

4.4444	0.444	1.510	340.5	0.000
4.5556	0.449	1.560	355.5	0.000
4.6667	0.455	1.610	370.7	0.000
4.7778	0.460	1.661	386.3	0.000
4.8889	0.465	1.712	402.2	0.000
5.0000	0.470	1.764	418.4	0.000
5.1111	0.475	1.817	434.9	0.000
5.2222	0.481	1.870	451.8	0.000
5.3333	0.486	1.924	469.0	0.000
5.4444	0.491	1.978	486.5	0.000
5.5556	0.496	2.033	504.4	0.000
5.6667	0.502	2.089	522.6	0.000
5.7778	0.507	2.145	541.1	0.000
5.8889	0.512	2.201	560.0	0.000
6.0000	0.517	2.259	579.2	0.000
6.1111	0.523	2.316	598.7	0.000
6.2222	0.528	2.375	618.6	0.000
6.3333	0.533	2.434	638.8	0.000
6.4444	0.538	2.493	659.4	0.000
6.5556	0.543	2.554	680.3	0.000
6.6667	0.549	2.614	701.6	0.000
6.7778	0.554	2.676	723.2	0.000
6.8889	0.559	2.737	745.2	0.000
7.0000	0.564	2.800	767.5	0.000
7.1111	0.570	2.863	790.2	0.000
7.2222	0.575	2.927	813.3	0.000
7.3333	0.580	2.991	836.7	0.000
7.4444	0.585	3.056	860.5	0.000
7.5556	0.591	3.121	884.6	0.000
7.6667	0.596	3.187	909.1	0.000
7.7778	0.601	3.254	934.0	0.000
7.8889	0.606	3.321	959.2	0.000
8.0000	0.611	3.388	984.8	0.000
8.1111	0.617	3.457	1010.	0.000
8.2222	0.622	3.525	1037.	0.000
8.3333	0.627	3.595	1063.	0.000
8.4444	0.632	3.665	1091.	0.000
8.5556	0.638	3.736	1118.	0.000
8.6667	0.643	3.807	1146.	0.000
8.7778	0.648	3.878	1174.	0.000
8.8889	0.653	3.951	1203.	0.000
9.0000	0.659	4.024	1232.	0.000
9.1111	0.664	4.097	1261.	0.000
9.2222	0.669	4.171	1291.	0.000
9.3333	0.674	4.246	1322.	0.000
9.4444	0.679	4.321	1352.	0.000
9.5556	0.685	4.397	1383.	0.000
9.6667	0.690	4.474	1415.	0.000
9.7778	0.695	4.551	1446.	0.000
9.8889	0.700	4.628	1479.	0.000
10.000	0.706	4.706	1511.	0.000
10.111	0.711	4.785	1544.	0.000

HMB 23 (was 25)

Depth: 9 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 25

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.590	0.006	0.001	0.000	0.000	0.000	0.000
0.100	0.602	0.057	0.026	0.000	0.000	0.000	0.000
0.200	0.613	0.118	0.074	0.000	0.000	0.000	0.000
0.300	0.624	0.180	0.126	0.000	0.000	0.000	0.000
0.400	0.635	0.242	0.158	0.000	0.000	0.000	0.000
0.500	0.645	0.306	0.184	0.000	0.000	0.000	0.000
0.600	0.656	0.371	0.207	0.000	0.000	0.000	0.000
0.700	0.667	0.437	0.228	0.000	0.000	0.000	0.000
0.800	0.678	0.504	0.247	0.000	0.000	0.000	0.000
0.900	0.689	0.573	0.265	0.000	0.000	0.000	0.000
1.000	0.700	0.642	0.281	0.000	0.000	0.000	0.000
1.100	0.711	0.712	0.297	0.000	0.000	0.000	0.000
1.200	0.722	0.784	0.347	0.000	0.000	0.000	0.000
1.300	0.733	0.856	0.425	0.000	0.000	0.000	0.000
1.400	0.744	0.930	0.522	0.000	0.000	0.000	0.000
1.500	0.755	1.005	0.634	0.000	0.000	0.000	0.000
1.600	0.766	1.081	0.758	0.000	0.000	0.000	0.000
1.700	0.777	1.158	0.894	0.000	0.000	0.000	0.000
1.800	0.788	1.236	1.037	0.000	0.000	0.000	0.000
1.900	0.799	1.315	1.132	0.000	0.000	0.000	0.000
2.000	0.810	1.395	1.218	0.000	0.000	0.000	0.000
2.100	0.821	1.476	1.297	0.000	0.000	0.000	0.000
2.200	0.832	1.559	1.370	0.000	0.000	0.000	0.000
2.300	0.842	1.642	1.440	0.000	0.000	0.000	0.000
2.400	0.853	1.727	1.506	0.000	0.000	0.000	0.000
2.500	0.864	1.813	1.569	0.000	0.000	0.000	0.000
2.600	0.875	1.899	1.629	0.000	0.000	0.000	0.000
2.700	0.886	1.987	1.687	0.000	0.000	0.000	0.000
2.800	0.897	2.076	1.743	0.000	0.000	0.000	0.000
2.900	0.908	2.166	1.797	0.000	0.000	0.000	0.000
3.000	0.919	2.257	1.850	0.000	0.000	0.000	0.000
3.100	0.930	2.349	1.900	0.000	0.000	0.000	0.000
3.200	0.941	2.443	1.950	0.000	0.000	0.000	0.000
3.300	0.951	2.537	1.998	0.000	0.000	0.000	0.000
3.400	0.962	2.633	2.045	0.000	0.000	0.000	0.000
3.500	0.973	2.729	2.091	0.000	0.000	0.000	0.000
3.600	0.984	2.827	2.136	0.000	0.000	0.000	0.000
3.700	0.995	2.926	2.180	0.000	0.000	0.000	0.000
3.800	1.006	3.025	2.223	0.000	0.000	0.000	0.000
3.900	1.017	3.126	2.265	0.000	0.000	0.000	0.000
4.000	1.027	3.228	2.307	0.000	0.000	0.000	0.000
4.100	1.038	3.331	2.347	0.000	0.000	0.000	0.000
4.200	1.049	3.436	2.387	0.000	0.000	0.000	0.000
4.300	1.060	3.541	2.427	0.000	0.000	0.000	0.000
4.400	1.071	3.647	2.465	0.000	0.000	0.000	0.000
4.500	1.082	3.755	2.503	0.000	0.000	0.000	0.000

4.600	1.092	3.863	2.541	0.000	0.000	0.000	0.000
4.700	1.103	3.973	2.578	0.000	0.000	0.000	0.000
4.800	1.114	4.084	2.614	0.000	0.000	0.000	0.000
4.900	1.125	4.195	2.650	0.000	0.000	0.000	0.000
5.000	1.136	4.308	2.685	0.000	0.000	0.000	0.000
5.100	1.147	4.422	2.720	0.000	0.000	0.000	0.000
5.200	1.157	4.537	2.755	0.000	0.000	0.000	0.000
5.300	1.168	4.653	2.789	0.000	0.000	0.000	0.000
5.400	1.179	4.771	2.822	0.000	0.000	0.000	0.000
5.500	1.190	4.889	2.855	0.000	0.000	0.000	0.000
5.600	1.201	5.009	2.888	0.000	0.000	0.000	0.000
5.700	1.211	5.129	2.921	0.000	0.000	0.000	0.000
5.800	1.222	5.251	2.953	0.000	0.000	0.000	0.000
5.900	1.233	5.373	2.985	0.000	0.000	0.000	0.000
6.000	1.244	5.497	3.016	0.000	0.000	0.000	0.000
6.100	1.254	5.622	3.047	0.000	0.000	0.000	0.000
6.200	1.265	5.748	3.078	0.000	0.000	0.000	0.000
6.300	1.276	5.875	3.108	0.000	0.000	0.000	0.000
6.400	1.287	6.003	3.138	0.000	0.000	0.000	0.000
6.500	1.298	6.132	3.168	0.000	0.000	0.000	0.000
6.600	1.308	6.263	3.198	0.000	0.000	0.000	0.000
6.700	1.319	6.394	3.227	0.000	0.000	0.000	0.000
6.800	1.330	6.527	3.256	0.000	0.000	0.000	0.000
6.900	1.341	6.660	3.285	0.000	0.000	0.000	0.000
7.000	1.351	6.795	3.314	0.000	0.000	0.000	0.000
7.200	1.373	7.068	3.370	0.000	0.000	0.000	0.000
7.400	1.394	7.345	3.425	0.000	0.000	0.000	0.000
7.600	1.416	7.626	3.480	0.000	0.000	0.000	0.000
7.800	1.437	7.912	3.534	0.000	0.000	0.000	0.000
8.000	1.459	8.202	3.586	0.000	0.000	0.000	0.000
8.200	1.480	8.496	3.639	0.000	0.000	0.000	0.000
8.400	1.501	8.795	3.690	0.000	0.000	0.000	0.000
8.600	1.523	9.098	3.741	0.000	0.000	0.000	0.000
8.800	1.544	9.406	3.790	0.000	0.000	0.000	0.000

POC 21

Bottom Length: 3338.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0162 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
DB 6 (was 7)

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.766	0.000	0.000	0.000
0.0444	0.769	0.034	0.301	0.000
0.0889	0.773	0.068	0.953	0.000
0.1333	0.776	0.102	1.869	0.000
0.1778	0.779	0.137	3.011	0.000
0.2222	0.783	0.172	4.356	0.000
0.2667	0.786	0.207	5.888	0.000
0.3111	0.790	0.242	7.593	0.000
0.3556	0.793	0.277	9.462	0.000
0.4000	0.797	0.312	11.48	0.000
0.4444	0.800	0.348	13.65	0.000
0.4889	0.803	0.383	15.97	0.000
0.5333	0.807	0.419	18.42	0.000
0.5778	0.810	0.455	21.00	0.000
0.6222	0.814	0.491	23.70	0.000
0.6667	0.817	0.527	26.54	0.000
0.7111	0.820	0.564	29.49	0.000
0.7556	0.824	0.600	32.55	0.000
0.8000	0.827	0.637	35.73	0.000
0.8444	0.831	0.674	39.02	0.000
0.8889	0.834	0.711	42.42	0.000
0.9333	0.837	0.748	45.92	0.000
0.9778	0.841	0.785	49.53	0.000
1.0222	0.844	0.823	53.24	0.000
1.0667	0.848	0.861	57.05	0.000
1.1111	0.851	0.898	60.95	0.000
1.1556	0.854	0.936	64.95	0.000
1.2000	0.858	0.974	69.05	0.000
1.2444	0.861	1.013	73.24	0.000
1.2889	0.865	1.051	77.52	0.000
1.3333	0.868	1.089	81.89	0.000
1.3778	0.871	1.128	86.35	0.000
1.4222	0.875	1.167	90.90	0.000
1.4667	0.878	1.206	95.54	0.000
1.5111	0.882	1.245	100.2	0.000
1.5556	0.885	1.284	105.0	0.000
1.6000	0.888	1.324	109.9	0.000
1.6444	0.892	1.363	114.9	0.000
1.6889	0.895	1.403	119.9	0.000
1.7333	0.899	1.443	125.1	0.000

1.7778	0.902	1.483	130.3	0.000
1.8222	0.906	1.523	135.6	0.000
1.8667	0.909	1.563	141.0	0.000
1.9111	0.912	1.604	146.4	0.000
1.9556	0.916	1.645	151.9	0.000
2.0000	0.919	1.685	157.6	0.000
2.0444	0.923	1.726	163.2	0.000
2.0889	0.926	1.767	169.0	0.000
2.1333	0.929	1.809	174.8	0.000
2.1778	0.933	1.850	180.7	0.000
2.2222	0.936	1.892	186.7	0.000
2.2667	0.940	1.933	192.8	0.000
2.3111	0.943	1.975	198.9	0.000
2.3556	0.946	2.017	205.1	0.000
2.4000	0.950	2.059	211.4	0.000
2.4444	0.953	2.102	217.8	0.000
2.4889	0.957	2.144	224.2	0.000
2.5333	0.960	2.187	230.7	0.000
2.5778	0.963	2.230	237.2	0.000
2.6222	0.967	2.272	243.9	0.000
2.6667	0.970	2.316	250.6	0.000
2.7111	0.974	2.359	257.3	0.000
2.7556	0.977	2.402	264.2	0.000
2.8000	0.980	2.446	271.1	0.000
2.8444	0.984	2.489	278.1	0.000
2.8889	0.987	2.533	285.1	0.000
2.9333	0.991	2.577	292.3	0.000
2.9778	0.994	2.621	299.5	0.000
3.0222	0.997	2.665	306.7	0.000
3.0667	1.001	2.710	314.0	0.000
3.1111	1.004	2.754	321.4	0.000
3.1556	1.008	2.799	328.9	0.000
3.2000	1.011	2.844	336.4	0.000
3.2444	1.015	2.889	344.0	0.000
3.2889	1.018	2.934	351.7	0.000
3.3333	1.021	2.980	359.4	0.000
3.3778	1.025	3.025	367.2	0.000
3.4222	1.028	3.071	375.1	0.000
3.4667	1.032	3.117	383.0	0.000
3.5111	1.035	3.163	391.0	0.000
3.5556	1.038	3.209	399.1	0.000
3.6000	1.042	3.255	407.2	0.000
3.6444	1.045	3.301	415.4	0.000
3.6889	1.049	3.348	423.7	0.000
3.7333	1.052	3.394	432.0	0.000
3.7778	1.055	3.441	440.4	0.000
3.8222	1.059	3.488	448.8	0.000
3.8667	1.062	3.535	457.4	0.000
3.9111	1.066	3.583	466.0	0.000
3.9556	1.069	3.630	474.6	0.000
4.0000	1.072	3.678	483.3	0.000
4.0444	1.076	3.726	492.1	0.000

POC 21 SF

Bottom Length: 2488.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0257 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 21

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.342	0.000	0.000	0.000
0.0444	0.345	0.015	0.227	0.000
0.0889	0.347	0.030	0.718	0.000
0.1333	0.350	0.046	1.405	0.000
0.1778	0.352	0.061	2.260	0.000
0.2222	0.355	0.077	3.264	0.000
0.2667	0.357	0.093	4.405	0.000
0.3111	0.360	0.109	5.673	0.000
0.3556	0.363	0.125	7.060	0.000
0.4000	0.365	0.141	8.560	0.000
0.4444	0.368	0.158	10.16	0.000
0.4889	0.370	0.174	11.87	0.000
0.5333	0.373	0.190	13.68	0.000
0.5778	0.375	0.207	15.58	0.000
0.6222	0.378	0.224	17.58	0.000
0.6667	0.380	0.241	19.66	0.000
0.7111	0.383	0.258	21.83	0.000
0.7556	0.385	0.275	24.08	0.000
0.8000	0.388	0.292	26.41	0.000
0.8444	0.390	0.309	28.83	0.000
0.8889	0.393	0.327	31.32	0.000
0.9333	0.396	0.344	33.89	0.000
0.9778	0.398	0.362	36.53	0.000
1.0222	0.401	0.380	39.25	0.000
1.0667	0.403	0.398	42.04	0.000
1.1111	0.406	0.416	44.90	0.000
1.1556	0.408	0.434	47.83	0.000
1.2000	0.411	0.452	50.83	0.000
1.2444	0.413	0.470	53.90	0.000
1.2889	0.416	0.489	57.04	0.000
1.3333	0.418	0.507	60.24	0.000
1.3778	0.421	0.526	63.51	0.000
1.4222	0.423	0.545	66.85	0.000
1.4667	0.426	0.564	70.25	0.000
1.5111	0.429	0.583	73.71	0.000
1.5556	0.431	0.602	77.24	0.000
1.6000	0.434	0.621	80.84	0.000
1.6444	0.436	0.640	84.49	0.000
1.6889	0.439	0.660	88.21	0.000
1.7333	0.441	0.679	91.99	0.000

1.7778	0.444	0.699	95.83	0.000
1.8222	0.446	0.719	99.73	0.000
1.8667	0.449	0.739	103.7	0.000
1.9111	0.451	0.759	107.7	0.000
1.9556	0.454	0.779	111.8	0.000
2.0000	0.457	0.799	115.9	0.000
2.0444	0.459	0.820	120.1	0.000
2.0889	0.462	0.840	124.4	0.000
2.1333	0.464	0.861	128.7	0.000
2.1778	0.467	0.881	133.1	0.000
2.2222	0.469	0.902	137.5	0.000
2.2667	0.472	0.923	142.0	0.000
2.3111	0.474	0.944	146.6	0.000
2.3556	0.477	0.965	151.2	0.000
2.4000	0.479	0.987	155.9	0.000
2.4444	0.482	1.008	160.6	0.000
2.4889	0.484	1.029	165.4	0.000
2.5333	0.487	1.051	170.3	0.000
2.5778	0.490	1.073	175.2	0.000
2.6222	0.492	1.095	180.1	0.000
2.6667	0.495	1.117	185.2	0.000
2.7111	0.497	1.139	190.2	0.000
2.7556	0.500	1.161	195.4	0.000
2.8000	0.502	1.183	200.6	0.000
2.8444	0.505	1.205	205.8	0.000
2.8889	0.507	1.228	211.2	0.000
2.9333	0.510	1.251	216.5	0.000
2.9778	0.512	1.273	222.0	0.000
3.0222	0.515	1.296	227.4	0.000
3.0667	0.517	1.319	233.0	0.000
3.1111	0.520	1.342	238.6	0.000
3.1556	0.523	1.365	244.2	0.000
3.2000	0.525	1.389	250.0	0.000
3.2444	0.528	1.412	255.7	0.000
3.2889	0.530	1.436	261.6	0.000
3.3333	0.533	1.459	267.5	0.000
3.3778	0.535	1.483	273.4	0.000
3.4222	0.538	1.507	279.4	0.000
3.4667	0.540	1.531	285.5	0.000
3.5111	0.543	1.555	291.6	0.000
3.5556	0.545	1.579	297.8	0.000
3.6000	0.548	1.603	304.0	0.000
3.6444	0.550	1.628	310.3	0.000
3.6889	0.553	1.652	316.7	0.000
3.7333	0.556	1.677	323.1	0.000
3.7778	0.558	1.702	329.5	0.000
3.8222	0.561	1.727	336.1	0.000
3.8667	0.563	1.752	342.7	0.000
3.9111	0.566	1.777	349.3	0.000
3.9556	0.568	1.802	356.0	0.000
4.0000	0.571	1.827	362.8	0.000
4.0444	0.573	1.853	369.6	0.000

POC 20 SF

Bottom Length: 2805.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0064 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.515	0.000	0.000	0.000
0.2222	0.529	0.116	2.183	0.000
0.4444	0.543	0.235	6.827	0.000
0.6667	0.558	0.357	13.24	0.000
0.8889	0.572	0.483	21.13	0.000
1.1111	0.586	0.612	30.32	0.000
1.3333	0.601	0.744	40.71	0.000
1.5556	0.615	0.879	52.20	0.000
1.7778	0.629	1.017	64.74	0.000
2.0000	0.643	1.159	78.28	0.000
2.2222	0.658	1.303	92.79	0.000
2.4444	0.672	1.451	108.2	0.000
2.6667	0.686	1.602	124.6	0.000
2.8889	0.701	1.756	141.8	0.000
3.1111	0.715	1.914	160.0	0.000
3.3333	0.729	2.074	179.1	0.000
3.5556	0.744	2.238	199.0	0.000
3.7778	0.758	2.405	219.8	0.000
4.0000	0.772	2.575	241.5	0.000
4.2222	0.787	2.749	264.0	0.000
4.4444	0.801	2.925	287.4	0.000
4.6667	0.815	3.105	311.7	0.000
4.8889	0.830	3.288	336.9	0.000
5.1111	0.844	3.474	363.0	0.000
5.3333	0.858	3.663	389.9	0.000
5.5556	0.872	3.855	417.7	0.000
5.7778	0.887	4.051	446.4	0.000
6.0000	0.901	4.250	476.0	0.000
6.2222	0.915	4.452	506.4	0.000
6.4444	0.930	4.657	537.8	0.000
6.6667	0.944	4.865	570.1	0.000
6.8889	0.958	5.076	603.3	0.000
7.1111	0.973	5.291	637.5	0.000
7.3333	0.987	5.509	672.5	0.000
7.5556	1.001	5.730	708.5	0.000
7.7778	1.016	5.954	745.4	0.000
8.0000	1.030	6.181	783.2	0.000
8.2222	1.044	6.412	822.0	0.000
8.4444	1.059	6.646	861.8	0.000
8.6667	1.073	6.883	902.5	0.000

8.8889	1.087	7.123	944.2	0.000
9.1111	1.101	7.366	986.9	0.000
9.3333	1.116	7.613	1030.	0.000
9.5556	1.130	7.862	1075.	0.000
9.7778	1.144	8.115	1120.	0.000
10.000	1.159	8.371	1167.	0.000
10.222	1.173	8.630	1215.	0.000
10.444	1.187	8.893	1263.	0.000
10.667	1.202	9.158	1313.	0.000
10.889	1.216	9.427	1364.	0.000
11.111	1.230	9.699	1415.	0.000
11.333	1.245	9.974	1468.	0.000
11.556	1.259	10.25	1522.	0.000
11.778	1.273	10.53	1577.	0.000
12.000	1.287	10.81	1633.	0.000
12.222	1.302	11.10	1690.	0.000
12.444	1.316	11.39	1748.	0.000
12.667	1.330	11.69	1807.	0.000
12.889	1.345	11.98	1867.	0.000
13.111	1.359	12.28	1929.	0.000
13.333	1.373	12.59	1991.	0.000
13.556	1.388	12.90	2055.	0.000
13.778	1.402	13.21	2119.	0.000
14.000	1.416	13.52	2185.	0.000
14.222	1.431	13.84	2252.	0.000
14.444	1.445	14.15	2320.	0.000
14.667	1.459	14.48	2390.	0.000
14.889	1.474	14.80	2460.	0.000
15.111	1.488	15.13	2532.	0.000
15.333	1.502	15.46	2604.	0.000
15.556	1.516	15.80	2678.	0.000
15.778	1.531	16.14	2753.	0.000
16.000	1.545	16.48	2829.	0.000
16.222	1.559	16.83	2907.	0.000
16.444	1.574	17.17	2986.	0.000
16.667	1.588	17.53	3065.	0.000
16.889	1.602	17.88	3146.	0.000
17.111	1.617	18.24	3229.	0.000
17.333	1.631	18.60	3312.	0.000
17.556	1.645	18.96	3397.	0.000
17.778	1.660	19.33	3483.	0.000
18.000	1.674	19.70	3570.	0.000
18.222	1.688	20.07	3659.	0.000
18.444	1.703	20.45	3748.	0.000
18.667	1.717	20.83	3839.	0.000
18.889	1.731	21.21	3932.	0.000
19.111	1.745	21.60	4025.	0.000
19.333	1.760	21.99	4120.	0.000
19.556	1.774	22.38	4216.	0.000
19.778	1.788	22.78	4314.	0.000
20.000	1.803	23.18	4412.	0.000
20.222	1.817	23.58	4512.	0.000

POC 20 NF2

Bottom Length: 2395.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0128 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.549	0.000	0.000	0.000
0.0667	0.553	0.036	0.525	0.000
0.1333	0.557	0.073	1.661	0.000
0.2000	0.560	0.111	3.253	0.000
0.2667	0.564	0.148	5.233	0.000
0.3333	0.568	0.186	7.562	0.000
0.4000	0.571	0.224	10.21	0.000
0.4667	0.575	0.262	13.15	0.000
0.5333	0.579	0.301	16.37	0.000
0.6000	0.582	0.339	19.85	0.000
0.6667	0.586	0.378	23.59	0.000
0.7333	0.590	0.418	27.56	0.000
0.8000	0.593	0.457	31.76	0.000
0.8667	0.597	0.497	36.18	0.000
0.9333	0.601	0.537	40.82	0.000
1.0000	0.604	0.577	45.66	0.000
1.0667	0.608	0.617	50.71	0.000
1.1333	0.612	0.658	55.95	0.000
1.2000	0.615	0.699	61.38	0.000
1.2667	0.619	0.740	67.00	0.000
1.3333	0.623	0.782	72.79	0.000
1.4000	0.626	0.823	78.77	0.000
1.4667	0.630	0.865	84.92	0.000
1.5333	0.634	0.907	91.25	0.000
1.6000	0.637	0.950	97.74	0.000
1.6667	0.641	0.992	104.4	0.000
1.7333	0.645	1.035	111.2	0.000
1.8000	0.648	1.078	118.2	0.000
1.8667	0.652	1.122	125.3	0.000
1.9333	0.656	1.165	132.6	0.000
2.0000	0.659	1.209	140.0	0.000
2.0667	0.663	1.253	147.6	0.000
2.1333	0.667	1.298	155.4	0.000
2.2000	0.670	1.342	163.3	0.000
2.2667	0.674	1.387	171.4	0.000
2.3333	0.678	1.432	179.6	0.000
2.4000	0.681	1.477	187.9	0.000
2.4667	0.685	1.523	196.4	0.000
2.5333	0.689	1.569	205.0	0.000
2.6000	0.692	1.615	213.8	0.000

2.6667	0.696	1.661	222.7	0.000
2.7333	0.700	1.708	231.8	0.000
2.8000	0.703	1.755	241.0	0.000
2.8667	0.707	1.802	250.3	0.000
2.9333	0.711	1.849	259.8	0.000
3.0000	0.714	1.896	269.4	0.000
3.0667	0.718	1.944	279.1	0.000
3.1333	0.722	1.992	289.0	0.000
3.2000	0.725	2.041	299.0	0.000
3.2667	0.729	2.089	309.2	0.000
3.3333	0.733	2.138	319.5	0.000
3.4000	0.736	2.187	329.9	0.000
3.4667	0.740	2.236	340.5	0.000
3.5333	0.744	2.285	351.1	0.000
3.6000	0.747	2.335	362.0	0.000
3.6667	0.751	2.385	372.9	0.000
3.7333	0.755	2.435	384.0	0.000
3.8000	0.758	2.486	395.2	0.000
3.8667	0.762	2.537	406.5	0.000
3.9333	0.766	2.588	418.0	0.000
4.0000	0.769	2.639	429.6	0.000
4.0667	0.773	2.690	441.4	0.000
4.1333	0.777	2.742	453.2	0.000
4.2000	0.780	2.794	465.2	0.000
4.2667	0.784	2.846	477.4	0.000
4.3333	0.788	2.898	489.6	0.000
4.4000	0.791	2.951	502.0	0.000
4.4667	0.795	3.004	514.5	0.000
4.5333	0.799	3.057	527.1	0.000
4.6000	0.802	3.110	539.9	0.000
4.6667	0.806	3.164	552.8	0.000
4.7333	0.810	3.218	565.8	0.000
4.8000	0.813	3.272	579.0	0.000
4.8667	0.817	3.327	592.3	0.000
4.9333	0.821	3.381	605.7	0.000
5.0000	0.824	3.436	619.3	0.000
5.0667	0.828	3.491	632.9	0.000
5.1333	0.832	3.546	646.7	0.000
5.2000	0.835	3.602	660.7	0.000
5.2667	0.839	3.658	674.7	0.000
5.3333	0.843	3.714	688.9	0.000
5.4000	0.846	3.770	703.2	0.000
5.4667	0.850	3.827	717.7	0.000
5.5333	0.854	3.884	732.2	0.000
5.6000	0.857	3.941	746.9	0.000
5.6667	0.861	3.998	761.8	0.000
5.7333	0.865	4.056	776.7	0.000
5.8000	0.868	4.113	791.8	0.000
5.8667	0.872	4.171	807.0	0.000
5.9333	0.876	4.230	822.4	0.000
6.0000	0.879	4.288	837.9	0.000
6.0667	0.883	4.347	853.5	0.000

POC 20

Bottom Length: 1714.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0047 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.590	0.000	0.000	0.000
0.0667	0.592	0.039	0.478	0.000
0.1333	0.595	0.079	1.514	0.000
0.2000	0.598	0.118	2.969	0.000
0.2667	0.600	0.158	4.782	0.000
0.3333	0.603	0.198	6.918	0.000
0.4000	0.606	0.239	9.350	0.000
0.4667	0.608	0.279	12.05	0.000
0.5333	0.611	0.320	15.02	0.000
0.6000	0.613	0.361	18.24	0.000
0.6667	0.616	0.402	21.69	0.000
0.7333	0.619	0.443	25.36	0.000
0.8000	0.621	0.484	29.25	0.000
0.8667	0.624	0.526	33.35	0.000
0.9333	0.626	0.568	37.65	0.000
1.0000	0.629	0.609	42.14	0.000
1.0667	0.632	0.652	46.83	0.000
1.1333	0.634	0.694	51.70	0.000
1.2000	0.637	0.736	56.75	0.000
1.2667	0.640	0.779	61.97	0.000
1.3333	0.642	0.821	67.37	0.000
1.4000	0.645	0.864	72.93	0.000
1.4667	0.647	0.908	78.66	0.000
1.5333	0.650	0.951	84.55	0.000
1.6000	0.653	0.994	90.60	0.000
1.6667	0.655	1.038	96.80	0.000
1.7333	0.658	1.082	103.1	0.000
1.8000	0.661	1.126	109.6	0.000
1.8667	0.663	1.170	116.3	0.000
1.9333	0.666	1.214	123.1	0.000
2.0000	0.668	1.259	130.0	0.000
2.0667	0.671	1.303	137.1	0.000
2.1333	0.674	1.348	144.3	0.000
2.2000	0.676	1.393	151.7	0.000
2.2667	0.679	1.438	159.2	0.000
2.3333	0.682	1.484	166.8	0.000
2.4000	0.684	1.529	174.6	0.000
2.4667	0.687	1.575	182.5	0.000
2.5333	0.689	1.621	190.5	0.000
2.6000	0.692	1.667	198.7	0.000

2.6667	0.695	1.713	206.9	0.000
2.7333	0.697	1.760	215.4	0.000
2.8000	0.700	1.806	223.9	0.000
2.8667	0.703	1.853	232.5	0.000
2.9333	0.705	1.900	241.3	0.000
3.0000	0.708	1.947	250.2	0.000
3.0667	0.710	1.995	259.3	0.000
3.1333	0.713	2.042	268.4	0.000
3.2000	0.716	2.090	277.7	0.000
3.2667	0.718	2.138	287.1	0.000
3.3333	0.721	2.186	296.6	0.000
3.4000	0.724	2.234	306.2	0.000
3.4667	0.726	2.282	315.9	0.000
3.5333	0.729	2.331	325.8	0.000
3.6000	0.731	2.379	335.8	0.000
3.6667	0.734	2.428	345.8	0.000
3.7333	0.737	2.477	356.0	0.000
3.8000	0.739	2.527	366.3	0.000
3.8667	0.742	2.576	376.8	0.000
3.9333	0.745	2.625	387.3	0.000
4.0000	0.747	2.675	398.0	0.000
4.0667	0.750	2.725	408.7	0.000
4.1333	0.752	2.775	419.6	0.000
4.2000	0.755	2.826	430.6	0.000
4.2667	0.758	2.876	441.7	0.000
4.3333	0.760	2.927	452.9	0.000
4.4000	0.763	2.977	464.2	0.000
4.4667	0.766	3.028	475.6	0.000
4.5333	0.768	3.080	487.1	0.000
4.6000	0.771	3.131	498.7	0.000
4.6667	0.773	3.182	510.5	0.000
4.7333	0.776	3.234	522.3	0.000
4.8000	0.779	3.286	534.3	0.000
4.8667	0.781	3.338	546.4	0.000
4.9333	0.784	3.390	558.5	0.000
5.0000	0.787	3.443	570.8	0.000
5.0667	0.789	3.495	583.2	0.000
5.1333	0.792	3.548	595.7	0.000
5.2000	0.794	3.601	608.3	0.000
5.2667	0.797	3.654	621.0	0.000
5.3333	0.800	3.707	633.8	0.000
5.4000	0.802	3.760	646.7	0.000
5.4667	0.805	3.814	659.7	0.000
5.5333	0.808	3.868	672.8	0.000
5.6000	0.810	3.922	686.1	0.000
5.6667	0.813	3.976	699.4	0.000
5.7333	0.815	4.030	712.8	0.000
5.8000	0.818	4.085	726.4	0.000
5.8667	0.821	4.139	740.0	0.000
5.9333	0.823	4.194	753.8	0.000
6.0000	0.826	4.249	767.6	0.000
6.0667	0.829	4.304	781.6	0.000

HMB 18 (was 19 and 20)

Depth: 7.4 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 20

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.600	0.006	0.001	0.000	0.000	0.000	0.000
0.100	0.611	0.069	0.035	0.000	0.000	0.000	0.000
0.200	0.620	0.129	0.099	0.000	0.000	0.000	0.000
0.300	0.630	0.191	0.182	0.000	0.000	0.000	0.000
0.400	0.640	0.253	0.258	0.000	0.000	0.000	0.000
0.500	0.650	0.316	0.309	0.000	0.000	0.000	0.000
0.600	0.660	0.380	0.352	0.000	0.000	0.000	0.000
0.700	0.669	0.445	0.391	0.000	0.000	0.000	0.000
0.800	0.679	0.511	0.426	0.000	0.000	0.000	0.000
0.900	0.689	0.579	0.458	0.000	0.000	0.000	0.000
1.000	0.699	0.647	0.488	0.000	0.000	0.000	0.000
1.100	0.709	0.716	0.517	0.000	0.000	0.000	0.000
1.200	0.719	0.786	0.544	0.000	0.000	0.000	0.000
1.300	0.728	0.858	0.570	0.000	0.000	0.000	0.000
1.400	0.738	0.930	0.594	0.000	0.000	0.000	0.000
1.500	0.748	1.003	0.618	0.000	0.000	0.000	0.000
1.600	0.758	1.078	0.641	0.000	0.000	0.000	0.000
1.700	0.768	1.153	0.662	0.000	0.000	0.000	0.000
1.800	0.777	1.229	0.684	0.000	0.000	0.000	0.000
1.900	0.787	1.307	0.704	0.000	0.000	0.000	0.000
2.000	0.797	1.385	0.724	0.000	0.000	0.000	0.000
2.100	0.807	1.464	0.744	0.000	0.000	0.000	0.000
2.200	0.817	1.545	0.763	0.000	0.000	0.000	0.000
2.300	0.827	1.626	0.781	0.000	0.000	0.000	0.000
2.400	0.836	1.709	0.800	0.000	0.000	0.000	0.000
2.500	0.846	1.792	0.817	0.000	0.000	0.000	0.000
2.600	0.856	1.877	0.835	0.000	0.000	0.000	0.000
2.700	0.866	1.962	0.852	0.000	0.000	0.000	0.000
2.800	0.876	2.049	0.868	0.000	0.000	0.000	0.000
2.900	0.886	2.136	0.885	0.000	0.000	0.000	0.000
3.000	0.895	2.225	0.901	0.000	0.000	0.000	0.000
3.100	0.905	2.314	0.954	0.000	0.000	0.000	0.000
3.200	0.915	2.405	1.125	0.000	0.000	0.000	0.000
3.300	0.925	2.496	1.363	0.000	0.000	0.000	0.000
3.400	0.935	2.589	1.652	0.000	0.000	0.000	0.000
3.500	0.944	2.682	1.982	0.000	0.000	0.000	0.000
3.600	0.954	2.777	2.310	0.000	0.000	0.000	0.000
3.700	0.964	2.873	2.528	0.000	0.000	0.000	0.000
3.800	0.974	2.969	2.722	0.000	0.000	0.000	0.000
3.900	0.984	3.067	2.899	0.000	0.000	0.000	0.000
4.000	0.994	3.166	3.062	0.000	0.000	0.000	0.000
4.100	1.003	3.265	3.214	0.000	0.000	0.000	0.000
4.200	1.013	3.366	3.358	0.000	0.000	0.000	0.000
4.300	1.023	3.468	3.495	0.000	0.000	0.000	0.000
4.400	1.033	3.571	3.626	0.000	0.000	0.000	0.000
4.500	1.043	3.674	3.751	0.000	0.000	0.000	0.000

4.600	1.052	3.779	3.871	0.000	0.000	0.000	0.000
4.700	1.062	3.885	3.988	0.000	0.000	0.000	0.000
4.800	1.072	3.992	4.495	0.000	0.000	0.000	0.000
4.900	1.082	4.099	5.326	0.000	0.000	0.000	0.000
5.000	1.092	4.208	6.367	0.000	0.000	0.000	0.000
5.100	1.102	4.318	7.577	0.000	0.000	0.000	0.000
5.200	1.111	4.429	8.934	0.000	0.000	0.000	0.000
5.300	1.121	4.541	10.42	0.000	0.000	0.000	0.000
5.400	1.131	4.654	12.03	0.000	0.000	0.000	0.000
5.500	1.141	4.768	13.74	0.000	0.000	0.000	0.000
5.600	1.151	4.883	15.56	0.000	0.000	0.000	0.000
5.700	1.161	4.999	17.48	0.000	0.000	0.000	0.000
5.800	1.170	5.115	19.48	0.000	0.000	0.000	0.000
5.900	1.180	5.233	21.58	0.000	0.000	0.000	0.000
6.000	1.190	5.352	23.76	0.000	0.000	0.000	0.000
6.100	1.200	5.472	26.02	0.000	0.000	0.000	0.000
6.200	1.210	5.593	28.36	0.000	0.000	0.000	0.000
6.300	1.219	5.715	30.77	0.000	0.000	0.000	0.000
6.400	1.229	5.838	33.25	0.000	0.000	0.000	0.000
6.500	1.239	5.962	35.81	0.000	0.000	0.000	0.000
6.600	1.249	6.088	38.44	0.000	0.000	0.000	0.000
6.700	1.259	6.214	40.96	0.000	0.000	0.000	0.000
6.800	1.269	6.341	42.67	0.000	0.000	0.000	0.000
6.900	1.278	6.469	44.31	0.000	0.000	0.000	0.000
7.000	1.288	6.598	45.89	0.000	0.000	0.000	0.000
7.200	1.308	6.859	48.89	0.000	0.000	0.000	0.000
7.400	1.327	7.125	999.0	0.000	0.000	0.000	0.000

POC 17/18

Bottom Length: 1331.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0075 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
SF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.458	0.000	0.000	0.000
0.1111	0.461	0.051	1.413	0.000
0.2222	0.465	0.102	4.466	0.000
0.3333	0.468	0.154	8.739	0.000
0.4444	0.471	0.206	14.05	0.000
0.5556	0.475	0.259	20.30	0.000
0.6667	0.478	0.312	27.39	0.000
0.7778	0.482	0.365	35.28	0.000
0.8889	0.485	0.419	43.91	0.000
1.0000	0.488	0.473	53.24	0.000
1.1111	0.492	0.528	63.23	0.000
1.2222	0.495	0.583	73.86	0.000
1.3333	0.499	0.638	85.10	0.000
1.4444	0.502	0.693	96.93	0.000
1.5556	0.505	0.749	109.3	0.000
1.6667	0.509	0.806	122.2	0.000
1.7778	0.512	0.863	135.7	0.000
1.8889	0.516	0.920	149.7	0.000
2.0000	0.519	0.977	164.2	0.000
2.1111	0.522	1.035	179.3	0.000
2.2222	0.526	1.094	194.8	0.000
2.3333	0.529	1.152	210.7	0.000
2.4444	0.533	1.211	227.2	0.000
2.5556	0.536	1.271	244.1	0.000
2.6667	0.539	1.330	261.4	0.000
2.7778	0.543	1.391	279.2	0.000
2.8889	0.546	1.451	297.5	0.000
3.0000	0.550	1.512	316.1	0.000
3.1111	0.553	1.573	335.2	0.000
3.2222	0.556	1.635	354.7	0.000
3.3333	0.560	1.697	374.6	0.000
3.4444	0.563	1.760	395.0	0.000
3.5556	0.567	1.822	415.7	0.000
3.6667	0.570	1.886	436.9	0.000
3.7778	0.573	1.949	458.4	0.000
3.8889	0.577	2.013	480.4	0.000
4.0000	0.580	2.077	502.7	0.000
4.1111	0.584	2.142	525.4	0.000
4.2222	0.587	2.207	548.6	0.000
4.3333	0.590	2.273	572.1	0.000

4.4444	0.594	2.338	596.0	0.000
4.5556	0.597	2.405	620.2	0.000
4.6667	0.601	2.471	644.9	0.000
4.7778	0.604	2.538	669.9	0.000
4.8889	0.607	2.606	695.3	0.000
5.0000	0.611	2.673	721.1	0.000
5.1111	0.614	2.741	747.2	0.000
5.2222	0.617	2.810	773.7	0.000
5.3333	0.621	2.879	800.6	0.000
5.4444	0.624	2.948	827.9	0.000
5.5556	0.628	3.017	855.5	0.000
5.6667	0.631	3.087	883.5	0.000
5.7778	0.634	3.158	911.9	0.000
5.8889	0.638	3.229	940.6	0.000
6.0000	0.641	3.300	969.7	0.000
6.1111	0.645	3.371	999.1	0.000
6.2222	0.648	3.443	1028.	0.000
6.3333	0.651	3.515	1059.	0.000
6.4444	0.655	3.588	1089.	0.000
6.5556	0.658	3.661	1120.	0.000
6.6667	0.662	3.734	1151.	0.000
6.7778	0.665	3.808	1183.	0.000
6.8889	0.668	3.882	1215.	0.000
7.0000	0.672	3.957	1247.	0.000
7.1111	0.675	4.032	1280.	0.000
7.2222	0.679	4.107	1313.	0.000
7.3333	0.682	4.182	1346.	0.000
7.4444	0.685	4.258	1380.	0.000
7.5556	0.689	4.335	1414.	0.000
7.6667	0.692	4.412	1449.	0.000
7.7778	0.696	4.489	1484.	0.000
7.8889	0.699	4.566	1519.	0.000
8.0000	0.702	4.644	1554.	0.000
8.1111	0.706	4.723	1590.	0.000
8.2222	0.709	4.801	1627.	0.000
8.3333	0.713	4.880	1663.	0.000
8.4444	0.716	4.960	1700.	0.000
8.5556	0.719	5.039	1738.	0.000
8.6667	0.723	5.120	1775.	0.000
8.7778	0.726	5.200	1813.	0.000
8.8889	0.730	5.281	1852.	0.000
9.0000	0.733	5.362	1891.	0.000
9.1111	0.736	5.444	1930.	0.000
9.2222	0.740	5.526	1969.	0.000
9.3333	0.743	5.609	2009.	0.000
9.4444	0.747	5.691	2049.	0.000
9.5556	0.750	5.775	2090.	0.000
9.6667	0.753	5.858	2131.	0.000
9.7778	0.757	5.942	2172.	0.000
9.8889	0.760	6.026	2214.	0.000
10.000	0.764	6.111	2256.	0.000
10.111	0.767	6.196	2298.	0.000

SB 18 SF

Bottom Length: 3376.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0059 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.465	0.000	0.000	0.000
0.0889	0.471	0.041	0.344	0.000
0.1778	0.478	0.083	1.082	0.000
0.2667	0.485	0.126	2.110	0.000
0.3556	0.492	0.170	3.383	0.000
0.4444	0.499	0.214	4.871	0.000
0.5333	0.506	0.259	6.556	0.000
0.6222	0.513	0.304	8.423	0.000
0.7111	0.520	0.350	10.46	0.000
0.8000	0.527	0.396	12.65	0.000
0.8889	0.533	0.444	15.00	0.000
0.9778	0.540	0.491	17.50	0.000
1.0667	0.547	0.540	20.14	0.000
1.1556	0.554	0.589	22.91	0.000
1.2444	0.561	0.638	25.82	0.000
1.3333	0.568	0.688	28.86	0.000
1.4222	0.575	0.739	32.03	0.000
1.5111	0.582	0.791	35.32	0.000
1.6000	0.589	0.843	38.73	0.000
1.6889	0.595	0.895	42.26	0.000
1.7778	0.602	0.949	45.91	0.000
1.8667	0.609	1.003	49.68	0.000
1.9556	0.616	1.057	53.57	0.000
2.0444	0.623	1.112	57.57	0.000
2.1333	0.630	1.168	61.68	0.000
2.2222	0.637	1.224	65.91	0.000
2.3111	0.644	1.281	70.25	0.000
2.4000	0.651	1.339	74.70	0.000
2.4889	0.657	1.397	79.27	0.000
2.5778	0.664	1.456	83.94	0.000
2.6667	0.671	1.515	88.73	0.000
2.7556	0.678	1.575	93.63	0.000
2.8444	0.685	1.636	98.64	0.000
2.9333	0.692	1.697	103.7	0.000
3.0222	0.699	1.759	109.0	0.000
3.1111	0.706	1.821	114.3	0.000
3.2000	0.713	1.884	119.7	0.000
3.2889	0.719	1.948	125.3	0.000
3.3778	0.726	2.012	131.0	0.000
3.4667	0.733	2.077	136.8	0.000

3.5556	0.740	2.143	142.7	0.000
3.6444	0.747	2.209	148.7	0.000
3.7333	0.754	2.276	154.8	0.000
3.8222	0.761	2.343	161.0	0.000
3.9111	0.768	2.411	167.3	0.000
4.0000	0.775	2.480	173.8	0.000
4.0889	0.781	2.549	180.4	0.000
4.1778	0.788	2.619	187.0	0.000
4.2667	0.795	2.689	193.8	0.000
4.3556	0.802	2.760	200.7	0.000
4.4444	0.809	2.832	207.7	0.000
4.5333	0.816	2.904	214.9	0.000
4.6222	0.823	2.977	222.1	0.000
4.7111	0.830	3.050	229.5	0.000
4.8000	0.837	3.124	236.9	0.000
4.8889	0.843	3.199	244.5	0.000
4.9778	0.850	3.275	252.2	0.000
5.0667	0.857	3.350	260.0	0.000
5.1556	0.864	3.427	268.0	0.000
5.2444	0.871	3.504	276.0	0.000
5.3333	0.878	3.582	284.2	0.000
5.4222	0.885	3.660	292.5	0.000
5.5111	0.892	3.739	300.8	0.000
5.6000	0.899	3.819	309.4	0.000
5.6889	0.905	3.899	318.0	0.000
5.7778	0.912	3.980	326.8	0.000
5.8667	0.919	4.061	335.6	0.000
5.9556	0.926	4.143	344.6	0.000
6.0444	0.933	4.226	353.7	0.000
6.1333	0.940	4.309	363.0	0.000
6.2222	0.947	4.393	372.3	0.000
6.3111	0.954	4.478	381.8	0.000
6.4000	0.961	4.563	391.4	0.000
6.4889	0.967	4.649	401.1	0.000
6.5778	0.974	4.735	411.0	0.000
6.6667	0.981	4.822	420.9	0.000
6.7556	0.988	4.910	431.0	0.000
6.8444	0.995	4.998	441.2	0.000
6.9333	1.002	5.087	451.6	0.000
7.0222	1.009	5.176	462.0	0.000
7.1111	1.016	5.266	472.6	0.000
7.2000	1.023	5.357	483.3	0.000
7.2889	1.029	5.448	494.2	0.000
7.3778	1.036	5.540	505.1	0.000
7.4667	1.043	5.632	516.2	0.000
7.5556	1.050	5.725	527.5	0.000
7.6444	1.057	5.819	538.8	0.000
7.7333	1.064	5.913	550.3	0.000
7.8222	1.071	6.008	561.9	0.000
7.9111	1.078	6.104	573.6	0.000
8.0000	1.085	6.200	585.5	0.000
8.0889	1.092	6.297	597.5	0.000

Offsite 97

Bottom Length:	5539.00 ft.
Bottom Width:	6.00 ft.
Manning's n:	0.035
Channel bottom slope 1:	0.0078 To 1
Channel Left side slope 0:	0.5 To 1
Channel right side slope 2:	0.5 To 1
Discharge Structure	
Riser Height:	0 ft.
Riser Diameter:	0 in.
Element Flows To:	
Outlet 1	Outlet 2
SB 18 SF	

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.762	0.000	0.000	0.000
0.0889	0.774	0.068	0.395	0.000
0.1778	0.785	0.137	1.245	0.000
0.2667	0.796	0.208	2.427	0.000
0.3556	0.808	0.279	3.889	0.000
0.4444	0.819	0.351	5.601	0.000
0.5333	0.830	0.425	7.538	0.000
0.6222	0.842	0.499	9.685	0.000
0.7111	0.853	0.574	12.02	0.000
0.8000	0.864	0.651	14.55	0.000
0.8889	0.876	0.728	17.25	0.000
0.9778	0.887	0.806	20.12	0.000
1.0667	0.898	0.886	23.16	0.000
1.1556	0.909	0.966	26.35	0.000
1.2444	0.921	1.047	29.69	0.000
1.3333	0.932	1.130	33.19	0.000
1.4222	0.943	1.213	36.83	0.000
1.5111	0.955	1.298	40.61	0.000
1.6000	0.966	1.383	44.53	0.000
1.6889	0.977	1.469	48.59	0.000
1.7778	0.989	1.557	52.79	0.000
1.8667	1.000	1.645	57.12	0.000
1.9556	1.011	1.735	61.59	0.000
2.0444	1.022	1.825	66.19	0.000
2.1333	1.034	1.917	70.92	0.000
2.2222	1.045	2.009	75.78	0.000
2.3111	1.056	2.102	80.77	0.000
2.4000	1.068	2.197	85.89	0.000
2.4889	1.079	2.292	91.14	0.000
2.5778	1.090	2.389	96.52	0.000
2.6667	1.102	2.486	102.0	0.000
2.7556	1.113	2.585	107.6	0.000
2.8444	1.124	2.684	113.4	0.000
2.9333	1.136	2.785	119.3	0.000
3.0222	1.147	2.886	125.3	0.000
3.1111	1.158	2.989	131.4	0.000
3.2000	1.169	3.092	137.7	0.000
3.2889	1.181	3.197	144.1	0.000
3.3778	1.192	3.302	150.6	0.000
3.4667	1.203	3.409	157.3	0.000

3.5556	1.215	3.516	164.0	0.000
3.6444	1.226	3.625	170.9	0.000
3.7333	1.237	3.734	178.0	0.000
3.8222	1.249	3.845	185.1	0.000
3.9111	1.260	3.956	192.4	0.000
4.0000	1.271	4.069	199.8	0.000
4.0889	1.282	4.182	207.4	0.000
4.1778	1.294	4.297	215.1	0.000
4.2667	1.305	4.412	222.9	0.000
4.3556	1.316	4.529	230.8	0.000
4.4444	1.328	4.646	238.9	0.000
4.5333	1.339	4.765	247.1	0.000
4.6222	1.350	4.884	255.4	0.000
4.7111	1.362	5.005	263.8	0.000
4.8000	1.373	5.127	272.4	0.000
4.8889	1.384	5.249	281.1	0.000
4.9778	1.395	5.373	290.0	0.000
5.0667	1.407	5.497	299.0	0.000
5.1556	1.418	5.623	308.1	0.000
5.2444	1.429	5.750	317.4	0.000
5.3333	1.441	5.877	326.7	0.000
5.4222	1.452	6.006	336.3	0.000
5.5111	1.463	6.135	345.9	0.000
5.6000	1.475	6.266	355.7	0.000
5.6889	1.486	6.398	365.6	0.000
5.7778	1.497	6.530	375.7	0.000
5.8667	1.509	6.664	385.9	0.000
5.9556	1.520	6.798	396.3	0.000
6.0444	1.531	6.934	406.7	0.000
6.1333	1.542	7.071	417.4	0.000
6.2222	1.554	7.208	428.1	0.000
6.3111	1.565	7.347	439.0	0.000
6.4000	1.576	7.487	450.0	0.000
6.4889	1.588	7.627	461.2	0.000
6.5778	1.599	7.769	472.5	0.000
6.6667	1.610	7.912	484.0	0.000
6.7556	1.622	8.055	495.6	0.000
6.8444	1.633	8.200	507.3	0.000
6.9333	1.644	8.346	519.2	0.000
7.0222	1.655	8.492	531.3	0.000
7.1111	1.667	8.640	543.4	0.000
7.2000	1.678	8.789	555.7	0.000
7.2889	1.689	8.939	568.2	0.000
7.3778	1.701	9.089	580.8	0.000
7.4667	1.712	9.241	593.6	0.000
7.5556	1.723	9.394	606.5	0.000
7.6444	1.735	9.547	619.5	0.000
7.7333	1.746	9.702	632.7	0.000
7.8222	1.757	9.858	646.1	0.000
7.9111	1.768	10.01	659.6	0.000
8.0000	1.780	10.17	673.2	0.000
8.0889	1.791	10.33	687.0	0.000

SB 17 SF

Bottom Length: 1491.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0148 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.136	0.000	0.000	0.000
0.0667	0.139	0.009	0.224	0.000
0.1333	0.141	0.018	0.706	0.000
0.2000	0.143	0.028	1.375	0.000
0.2667	0.146	0.037	2.203	0.000
0.3333	0.148	0.047	3.170	0.000
0.4000	0.150	0.057	4.265	0.000
0.4667	0.152	0.067	5.477	0.000
0.5333	0.155	0.077	6.799	0.000
0.6000	0.157	0.088	8.225	0.000
0.6667	0.159	0.098	9.751	0.000
0.7333	0.162	0.109	11.37	0.000
0.8000	0.164	0.120	13.08	0.000
0.8667	0.166	0.131	14.88	0.000
0.9333	0.168	0.142	16.77	0.000
1.0000	0.171	0.154	18.75	0.000
1.0667	0.173	0.165	20.80	0.000
1.1333	0.175	0.177	22.94	0.000
1.2000	0.178	0.188	25.16	0.000
1.2667	0.180	0.200	27.46	0.000
1.3333	0.182	0.213	29.84	0.000
1.4000	0.184	0.225	32.30	0.000
1.4667	0.187	0.237	34.83	0.000
1.5333	0.189	0.250	37.44	0.000
1.6000	0.191	0.262	40.13	0.000
1.6667	0.194	0.275	42.89	0.000
1.7333	0.196	0.288	45.73	0.000
1.8000	0.198	0.301	48.64	0.000
1.8667	0.200	0.315	51.63	0.000
1.9333	0.203	0.328	54.70	0.000
2.0000	0.205	0.342	57.84	0.000
2.0667	0.207	0.356	61.05	0.000
2.1333	0.209	0.370	64.34	0.000
2.2000	0.212	0.384	67.71	0.000
2.2667	0.214	0.398	71.15	0.000
2.3333	0.216	0.412	74.67	0.000
2.4000	0.219	0.427	78.26	0.000
2.4667	0.221	0.441	81.92	0.000
2.5333	0.223	0.456	85.67	0.000
2.6000	0.225	0.471	89.49	0.000

2.6667	0.228	0.486	93.38	0.000
2.7333	0.230	0.502	97.35	0.000
2.8000	0.232	0.517	101.4	0.000
2.8667	0.235	0.533	105.5	0.000
2.9333	0.237	0.548	109.7	0.000
3.0000	0.239	0.564	114.0	0.000
3.0667	0.241	0.580	118.3	0.000
3.1333	0.244	0.597	122.7	0.000
3.2000	0.246	0.613	127.3	0.000
3.2667	0.248	0.629	131.8	0.000
3.3333	0.251	0.646	136.5	0.000
3.4000	0.253	0.663	141.3	0.000
3.4667	0.255	0.680	146.1	0.000
3.5333	0.257	0.697	151.0	0.000
3.6000	0.260	0.714	156.0	0.000
3.6667	0.262	0.732	161.0	0.000
3.7333	0.264	0.749	166.2	0.000
3.8000	0.267	0.767	171.4	0.000
3.8667	0.269	0.785	176.7	0.000
3.9333	0.271	0.803	182.1	0.000
4.0000	0.273	0.821	187.5	0.000
4.0667	0.276	0.839	193.1	0.000
4.1333	0.278	0.858	198.7	0.000
4.2000	0.280	0.877	204.4	0.000
4.2667	0.283	0.895	210.2	0.000
4.3333	0.285	0.914	216.1	0.000
4.4000	0.287	0.933	222.1	0.000
4.4667	0.289	0.953	228.1	0.000
4.5333	0.292	0.972	234.3	0.000
4.6000	0.294	0.992	240.5	0.000
4.6667	0.296	1.011	246.8	0.000
4.7333	0.299	1.031	253.2	0.000
4.8000	0.301	1.051	259.6	0.000
4.8667	0.303	1.071	266.2	0.000
4.9333	0.305	1.092	272.8	0.000
5.0000	0.308	1.112	279.6	0.000
5.0667	0.310	1.133	286.4	0.000
5.1333	0.312	1.153	293.3	0.000
5.2000	0.314	1.174	300.3	0.000
5.2667	0.317	1.195	307.3	0.000
5.3333	0.319	1.217	314.5	0.000
5.4000	0.321	1.238	321.8	0.000
5.4667	0.324	1.260	329.1	0.000
5.5333	0.326	1.281	336.5	0.000
5.6000	0.328	1.303	344.1	0.000
5.6667	0.330	1.325	351.7	0.000
5.7333	0.333	1.347	359.4	0.000
5.8000	0.335	1.369	367.2	0.000
5.8667	0.337	1.392	375.1	0.000
5.9333	0.340	1.415	383.0	0.000
6.0000	0.342	1.437	391.1	0.000
6.0667	0.344	1.460	399.3	0.000

HMB 17 (was 18)

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.680	0.007	0.001	0.000	0.000	0.000	0.000
0.200	0.701	0.139	0.112	0.000	0.000	0.000	0.000
0.300	0.712	0.209	0.205	0.000	0.000	0.000	0.000
0.400	0.722	0.281	0.291	0.000	0.000	0.000	0.000
0.500	0.732	0.354	0.347	0.000	0.000	0.000	0.000
0.600	0.743	0.428	0.396	0.000	0.000	0.000	0.000
0.700	0.753	0.503	0.440	0.000	0.000	0.000	0.000
0.800	0.764	0.579	0.479	0.000	0.000	0.000	0.000
0.900	0.774	0.656	0.515	0.000	0.000	0.000	0.000
1.000	0.784	0.734	0.549	0.000	0.000	0.000	0.000
1.100	0.795	0.813	0.581	0.000	0.000	0.000	0.000
1.200	0.805	0.893	0.612	0.000	0.000	0.000	0.000
1.300	0.815	0.974	0.641	0.000	0.000	0.000	0.000
1.400	0.826	1.056	0.668	0.000	0.000	0.000	0.000
1.500	0.836	1.139	0.695	0.000	0.000	0.000	0.000
1.600	0.846	1.223	0.721	0.000	0.000	0.000	0.000
1.700	0.857	1.308	0.745	0.000	0.000	0.000	0.000
1.800	0.867	1.395	0.769	0.000	0.000	0.000	0.000
1.900	0.877	1.482	0.792	0.000	0.000	0.000	0.000
2.000	0.888	1.570	0.815	0.000	0.000	0.000	0.000
2.100	0.898	1.659	0.837	0.000	0.000	0.000	0.000
2.200	0.908	1.750	0.858	0.000	0.000	0.000	0.000
2.300	0.919	1.841	0.879	0.000	0.000	0.000	0.000
2.400	0.929	1.933	0.899	0.000	0.000	0.000	0.000
2.500	0.939	2.027	0.919	0.000	0.000	0.000	0.000
2.600	0.950	2.121	0.939	0.000	0.000	0.000	0.000
2.700	0.960	2.216	0.958	0.000	0.000	0.000	0.000
2.800	0.970	2.313	0.977	0.000	0.000	0.000	0.000
2.900	0.980	2.410	0.995	0.000	0.000	0.000	0.000
3.000	0.991	2.509	1.013	0.000	0.000	0.000	0.000
3.100	1.001	2.608	1.031	0.000	0.000	0.000	0.000
3.200	1.011	2.709	1.048	0.000	0.000	0.000	0.000
3.300	1.022	2.810	1.173	0.000	0.000	0.000	0.000
3.400	1.032	2.913	1.413	0.000	0.000	0.000	0.000
3.500	1.042	3.017	1.723	0.000	0.000	0.000	0.000
3.600	1.052	3.121	2.088	0.000	0.000	0.000	0.000
3.700	1.063	3.227	2.502	0.000	0.000	0.000	0.000
3.800	1.073	3.334	2.832	0.000	0.000	0.000	0.000
3.900	1.083	3.441	3.079	0.000	0.000	0.000	0.000
4.000	1.093	3.550	3.301	0.000	0.000	0.000	0.000
4.100	1.104	3.660	3.505	0.000	0.000	0.000	0.000
4.200	1.114	3.771	3.694	0.000	0.000	0.000	0.000
4.300	1.124	3.882	3.871	0.000	0.000	0.000	0.000
4.400	1.134	3.995	4.039	0.000	0.000	0.000	0.000
4.500	1.145	4.109	4.199	0.000	0.000	0.000	0.000
4.600	1.155	4.224	4.352	0.000	0.000	0.000	0.000

4.700	1.165	4.340	4.499	0.000	0.000	0.000	0.000
4.800	1.175	4.457	4.640	0.000	0.000	0.000	0.000
4.900	1.186	4.575	4.776	0.000	0.000	0.000	0.000
5.000	1.196	4.694	4.908	0.000	0.000	0.000	0.000
5.100	1.206	4.814	5.037	0.000	0.000	0.000	0.000
5.200	1.216	4.935	5.161	0.000	0.000	0.000	0.000
5.300	1.226	5.057	5.394	0.000	0.000	0.000	0.000
5.400	1.237	5.180	5.981	0.000	0.000	0.000	0.000
5.500	1.247	5.304	6.765	0.000	0.000	0.000	0.000
5.600	1.257	5.429	7.698	0.000	0.000	0.000	0.000
5.700	1.267	5.555	8.755	0.000	0.000	0.000	0.000
5.800	1.277	5.683	9.923	0.000	0.000	0.000	0.000
5.900	1.288	5.811	11.19	0.000	0.000	0.000	0.000
6.000	1.298	5.940	12.55	0.000	0.000	0.000	0.000
6.100	1.308	6.070	13.99	0.000	0.000	0.000	0.000
6.200	1.318	6.202	15.51	0.000	0.000	0.000	0.000
6.300	1.328	6.334	17.11	0.000	0.000	0.000	0.000
6.400	1.338	6.467	18.78	0.000	0.000	0.000	0.000
6.500	1.349	6.602	20.51	0.000	0.000	0.000	0.000
6.600	1.359	6.737	22.32	0.000	0.000	0.000	0.000
6.700	1.369	6.873	24.18	0.000	0.000	0.000	0.000
6.800	1.379	7.011	26.11	0.000	0.000	0.000	0.000
6.900	1.389	7.149	28.09	0.000	0.000	0.000	0.000
7.000	1.399	7.289	30.14	0.000	0.000	0.000	0.000
7.100	1.409	7.429	32.23	0.000	0.000	0.000	0.000
7.200	1.420	7.571	34.39	0.000	0.000	0.000	0.000
7.300	1.430	7.713	36.59	0.000	0.000	0.000	0.000
7.400	1.440	7.857	38.85	0.000	0.000	0.000	0.000
7.500	1.450	8.002	41.15	0.000	0.000	0.000	0.000
7.600	1.460	8.147	43.51	0.000	0.000	0.000	0.000
7.700	1.470	8.294	45.91	0.000	0.000	0.000	0.000
7.800	1.480	8.442	48.36	0.000	0.000	0.000	0.000
7.900	1.490	8.590	50.86	0.000	0.000	0.000	0.000
8.000	1.501	8.740	53.40	0.000	0.000	0.000	0.000
8.100	1.511	8.891	999.0	0.000	0.000	0.000	0.000

HMB 16 (was 17)

Depth: 10.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 17/18

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	1.560	0.016	0.002	0.000	0.000	0.000	0.000
0.100	1.570	0.158	0.053	0.000	0.000	0.000	0.000
0.200	1.581	0.316	0.149	0.000	0.000	0.000	0.000
0.300	1.592	0.474	0.274	0.000	0.000	0.000	0.000
0.400	1.603	0.633	0.421	0.000	0.000	0.000	0.000
0.500	1.614	0.794	0.542	0.000	0.000	0.000	0.000
0.600	1.625	0.956	0.628	0.000	0.000	0.000	0.000
0.700	1.636	1.118	0.703	0.000	0.000	0.000	0.000
0.800	1.648	1.282	0.772	0.000	0.000	0.000	0.000
0.900	1.659	1.447	0.834	0.000	0.000	0.000	0.000
1.000	1.670	1.614	0.893	0.000	0.000	0.000	0.000
1.100	1.681	1.781	0.947	0.000	0.000	0.000	0.000
1.200	1.692	1.949	0.999	0.000	0.000	0.000	0.000
1.300	1.703	2.119	1.048	0.000	0.000	0.000	0.000
1.400	1.714	2.289	1.095	0.000	0.000	0.000	0.000
1.500	1.725	2.461	1.140	0.000	0.000	0.000	0.000
1.600	1.737	2.634	1.183	0.000	0.000	0.000	0.000
1.700	1.748	2.808	1.225	0.000	0.000	0.000	0.000
1.800	1.759	2.983	1.266	0.000	0.000	0.000	0.000
1.900	1.770	3.159	1.305	0.000	0.000	0.000	0.000
2.000	1.781	3.337	1.343	0.000	0.000	0.000	0.000
2.100	1.792	3.515	1.485	0.000	0.000	0.000	0.000
2.200	1.803	3.695	1.714	0.000	0.000	0.000	0.000
2.300	1.815	3.875	1.998	0.000	0.000	0.000	0.000
2.400	1.826	4.057	2.327	0.000	0.000	0.000	0.000
2.500	1.837	4.240	2.696	0.000	0.000	0.000	0.000
2.600	1.848	4.424	3.099	0.000	0.000	0.000	0.000
2.700	1.859	4.609	3.534	0.000	0.000	0.000	0.000
2.800	1.870	4.796	3.998	0.000	0.000	0.000	0.000
2.900	1.881	4.983	4.489	0.000	0.000	0.000	0.000
3.000	1.892	5.171	5.006	0.000	0.000	0.000	0.000
3.100	1.904	5.361	5.435	0.000	0.000	0.000	0.000
3.200	1.915	5.552	5.764	0.000	0.000	0.000	0.000
3.300	1.926	5.744	6.070	0.000	0.000	0.000	0.000
3.400	1.937	5.937	6.623	0.000	0.000	0.000	0.000
3.500	1.948	6.131	7.380	0.000	0.000	0.000	0.000
3.600	1.959	6.326	8.265	0.000	0.000	0.000	0.000
3.700	1.970	6.522	9.255	0.000	0.000	0.000	0.000
3.800	1.981	6.720	10.33	0.000	0.000	0.000	0.000
3.900	1.993	6.918	11.49	0.000	0.000	0.000	0.000
4.000	2.004	7.118	12.73	0.000	0.000	0.000	0.000
4.100	2.015	7.318	14.03	0.000	0.000	0.000	0.000
4.200	2.026	7.520	15.39	0.000	0.000	0.000	0.000
4.300	2.037	7.723	16.81	0.000	0.000	0.000	0.000
4.400	2.048	7.927	18.30	0.000	0.000	0.000	0.000
4.500	2.059	8.133	19.83	0.000	0.000	0.000	0.000

4.600	2.070	8.339	21.42	0.000	0.000	0.000	0.000
4.700	2.082	8.547	23.06	0.000	0.000	0.000	0.000
4.800	2.093	8.755	24.75	0.000	0.000	0.000	0.000
4.900	2.104	8.965	26.48	0.000	0.000	0.000	0.000
5.000	2.115	9.176	28.26	0.000	0.000	0.000	0.000
5.100	2.126	9.388	30.09	0.000	0.000	0.000	0.000
5.200	2.137	9.601	31.96	0.000	0.000	0.000	0.000
5.300	2.148	9.815	33.76	0.000	0.000	0.000	0.000
5.400	2.160	10.03	35.01	0.000	0.000	0.000	0.000
5.500	2.171	10.25	36.22	0.000	0.000	0.000	0.000
5.600	2.182	10.46	37.38	0.000	0.000	0.000	0.000
5.700	2.193	10.68	38.51	0.000	0.000	0.000	0.000
5.800	2.204	10.90	39.59	0.000	0.000	0.000	0.000
5.900	2.215	11.12	40.65	0.000	0.000	0.000	0.000
6.000	2.226	11.35	41.68	0.000	0.000	0.000	0.000
6.100	2.237	11.57	42.68	0.000	0.000	0.000	0.000
6.200	2.249	11.79	43.66	0.000	0.000	0.000	0.000
6.300	2.260	12.02	44.61	0.000	0.000	0.000	0.000
6.400	2.271	12.24	45.54	0.000	0.000	0.000	0.000
6.500	2.282	12.47	46.45	0.000	0.000	0.000	0.000
6.600	2.293	12.70	47.35	0.000	0.000	0.000	0.000
6.700	2.304	12.93	48.22	0.000	0.000	0.000	0.000
6.800	2.315	13.16	49.08	0.000	0.000	0.000	0.000
6.900	2.326	13.39	49.93	0.000	0.000	0.000	0.000
7.000	2.338	13.63	50.76	0.000	0.000	0.000	0.000
7.100	2.349	13.86	51.57	0.000	0.000	0.000	0.000
7.200	2.360	14.10	52.37	0.000	0.000	0.000	0.000
7.300	2.371	14.33	53.16	0.000	0.000	0.000	0.000
7.400	2.382	14.57	53.94	0.000	0.000	0.000	0.000
7.500	2.393	14.81	54.71	0.000	0.000	0.000	0.000
7.600	2.404	15.05	55.46	0.000	0.000	0.000	0.000
7.700	2.415	15.29	56.21	0.000	0.000	0.000	0.000
7.800	2.427	15.53	56.94	0.000	0.000	0.000	0.000
7.900	2.438	15.78	57.67	0.000	0.000	0.000	0.000
8.000	2.449	16.02	58.38	0.000	0.000	0.000	0.000
8.200	2.471	16.51	59.79	0.000	0.000	0.000	0.000
8.400	2.493	17.01	61.16	0.000	0.000	0.000	0.000
8.600	2.516	17.51	62.50	0.000	0.000	0.000	0.000
8.800	2.538	18.01	63.81	0.000	0.000	0.000	0.000
9.000	2.560	18.52	65.10	0.000	0.000	0.000	0.000
9.200	2.582	19.04	66.36	0.000	0.000	0.000	0.000
9.400	2.605	19.56	68.49	0.000	0.000	0.000	0.000
9.600	2.627	20.08	71.33	0.000	0.000	0.000	0.000
9.800	2.649	20.61	74.64	0.000	0.000	0.000	0.000
10.000	2.671	21.14	78.32	0.000	0.000	0.000	0.000
10.10	2.683	21.41	999.0	0.000	0.000	0.000	0.000

POC 6

Bottom Length: 1704.00 ft.
Bottom Width: 20.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0088 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.782	0.000	0.000	0.000
0.1111	0.784	0.087	2.380	0.000
0.2222	0.786	0.174	7.518	0.000
0.3333	0.788	0.261	14.70	0.000
0.4444	0.791	0.349	23.62	0.000
0.5556	0.793	0.437	34.10	0.000
0.6667	0.795	0.525	45.98	0.000
0.7778	0.797	0.614	59.17	0.000
0.8889	0.799	0.703	73.57	0.000
1.0000	0.801	0.792	89.11	0.000
1.1111	0.804	0.881	105.7	0.000
1.2222	0.806	0.970	123.3	0.000
1.3333	0.808	1.060	141.9	0.000
1.4444	0.810	1.150	161.5	0.000
1.5556	0.812	1.240	181.9	0.000
1.6667	0.815	1.331	203.2	0.000
1.7778	0.817	1.421	225.4	0.000
1.8889	0.819	1.512	248.3	0.000
2.0000	0.821	1.603	272.0	0.000
2.1111	0.823	1.695	296.5	0.000
2.2222	0.825	1.786	321.6	0.000
2.3333	0.828	1.878	347.5	0.000
2.4444	0.830	1.970	374.1	0.000
2.5556	0.832	2.063	401.3	0.000
2.6667	0.834	2.155	429.2	0.000
2.7778	0.836	2.248	457.7	0.000
2.8889	0.838	2.341	486.8	0.000
3.0000	0.841	2.435	516.6	0.000
3.1111	0.843	2.528	546.9	0.000
3.2222	0.845	2.622	577.8	0.000
3.3333	0.847	2.716	609.3	0.000
3.4444	0.849	2.810	641.3	0.000
3.5556	0.851	2.905	673.8	0.000
3.6667	0.854	3.000	706.9	0.000
3.7778	0.856	3.095	740.5	0.000
3.8889	0.858	3.190	774.7	0.000
4.0000	0.860	3.286	809.3	0.000
4.1111	0.862	3.381	844.4	0.000
4.2222	0.865	3.477	880.0	0.000
4.3333	0.867	3.574	916.1	0.000

4.4444	0.869	3.670	952.7	0.000
4.5556	0.871	3.767	989.7	0.000
4.6667	0.873	3.864	1027.	0.000
4.7778	0.875	3.961	1065.	0.000
4.8889	0.878	4.058	1103.	0.000
5.0000	0.880	4.156	1142.	0.000
5.1111	0.882	4.254	1181.	0.000
5.2222	0.884	4.352	1221.	0.000
5.3333	0.886	4.450	1261.	0.000
5.4444	0.888	4.549	1301.	0.000
5.5556	0.891	4.648	1342.	0.000
5.6667	0.893	4.747	1384.	0.000
5.7778	0.895	4.847	1426.	0.000
5.8889	0.897	4.946	1468.	0.000
6.0000	0.899	5.046	1510.	0.000
6.1111	0.902	5.146	1553.	0.000
6.2222	0.904	5.246	1597.	0.000
6.3333	0.906	5.347	1640.	0.000
6.4444	0.908	5.448	1684.	0.000
6.5556	0.910	5.549	1729.	0.000
6.6667	0.912	5.650	1774.	0.000
6.7778	0.915	5.752	1819.	0.000
6.8889	0.917	5.854	1865.	0.000
7.0000	0.919	5.956	1911.	0.000
7.1111	0.921	6.058	1957.	0.000
7.2222	0.923	6.160	2004.	0.000
7.3333	0.925	6.263	2051.	0.000
7.4444	0.928	6.366	2098.	0.000
7.5556	0.930	6.469	2146.	0.000
7.6667	0.932	6.573	2194.	0.000
7.7778	0.934	6.677	2242.	0.000
7.8889	0.936	6.780	2291.	0.000
8.0000	0.938	6.885	2340.	0.000
8.1111	0.941	6.989	2390.	0.000
8.2222	0.943	7.094	2440.	0.000
8.3333	0.945	7.199	2490.	0.000
8.4444	0.947	7.304	2540.	0.000
8.5556	0.949	7.409	2591.	0.000
8.6667	0.952	7.515	2642.	0.000
8.7778	0.954	7.621	2694.	0.000
8.8889	0.956	7.727	2746.	0.000
9.0000	0.958	7.833	2798.	0.000
9.1111	0.960	7.940	2850.	0.000
9.2222	0.962	8.047	2903.	0.000
9.3333	0.965	8.154	2956.	0.000
9.4444	0.967	8.261	3010.	0.000
9.5556	0.969	8.369	3063.	0.000
9.6667	0.971	8.477	3117.	0.000
9.7778	0.973	8.585	3172.	0.000
9.8889	0.975	8.693	3227.	0.000
10.000	0.978	8.802	3282.	0.000
10.111	0.980	8.910	3337.	0.000

SF

Bottom Length: 4611.00 ft.
Bottom Width: 15.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0078 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	1.587	0.000	0.000	0.000
0.0889	1.592	0.141	0.992	0.000
0.1778	1.597	0.283	3.134	0.000
0.2667	1.601	0.425	6.128	0.000
0.3556	1.606	0.567	9.845	0.000
0.4444	1.611	0.710	14.20	0.000
0.5333	1.616	0.854	19.15	0.000
0.6222	1.620	0.998	24.63	0.000
0.7111	1.625	1.142	30.62	0.000
0.8000	1.630	1.287	37.07	0.000
0.8889	1.634	1.432	43.98	0.000
0.9778	1.639	1.577	51.30	0.000
1.0667	1.644	1.723	59.03	0.000
1.1556	1.649	1.870	67.14	0.000
1.2444	1.653	2.016	75.63	0.000
1.3333	1.658	2.164	84.46	0.000
1.4222	1.663	2.311	93.64	0.000
1.5111	1.667	2.459	103.1	0.000
1.6000	1.672	2.608	112.9	0.000
1.6889	1.677	2.757	123.1	0.000
1.7778	1.681	2.906	133.5	0.000
1.8667	1.686	3.056	144.2	0.000
1.9556	1.691	3.206	155.2	0.000
2.0444	1.696	3.356	166.5	0.000
2.1333	1.700	3.507	178.0	0.000
2.2222	1.705	3.659	189.8	0.000
2.3111	1.710	3.811	201.8	0.000
2.4000	1.714	3.963	214.1	0.000
2.4889	1.719	4.115	226.7	0.000
2.5778	1.724	4.268	239.5	0.000
2.6667	1.729	4.422	252.5	0.000
2.7556	1.733	4.576	265.7	0.000
2.8444	1.738	4.730	279.2	0.000
2.9333	1.743	4.885	292.8	0.000
3.0222	1.747	5.040	306.7	0.000
3.1111	1.752	5.196	320.8	0.000
3.2000	1.757	5.352	335.1	0.000
3.2889	1.761	5.508	349.6	0.000
3.3778	1.766	5.665	364.3	0.000
3.4667	1.771	5.822	379.2	0.000

3.5556	1.776	5.980	394.3	0.000
3.6444	1.780	6.138	409.6	0.000
3.7333	1.785	6.296	425.1	0.000
3.8222	1.790	6.455	440.8	0.000
3.9111	1.794	6.615	456.6	0.000
4.0000	1.799	6.774	472.6	0.000
4.0889	1.804	6.934	488.8	0.000
4.1778	1.809	7.095	505.2	0.000
4.2667	1.813	7.256	521.8	0.000
4.3556	1.818	7.417	538.5	0.000
4.4444	1.823	7.579	555.4	0.000
4.5333	1.827	7.742	572.5	0.000
4.6222	1.832	7.904	589.7	0.000
4.7111	1.837	8.067	607.1	0.000
4.8000	1.841	8.231	624.7	0.000
4.8889	1.846	8.395	642.4	0.000
4.9778	1.851	8.559	660.3	0.000
5.0667	1.856	8.724	678.3	0.000
5.1556	1.860	8.889	696.5	0.000
5.2444	1.865	9.055	714.9	0.000
5.3333	1.870	9.221	733.4	0.000
5.4222	1.874	9.387	752.1	0.000
5.5111	1.879	9.554	770.9	0.000
5.6000	1.884	9.721	789.8	0.000
5.6889	1.888	9.889	809.0	0.000
5.7778	1.893	10.05	828.2	0.000
5.8667	1.898	10.22	847.7	0.000
5.9556	1.903	10.39	867.2	0.000
6.0444	1.907	10.56	886.9	0.000
6.1333	1.912	10.73	906.8	0.000
6.2222	1.917	10.90	926.8	0.000
6.3111	1.921	11.07	946.9	0.000
6.4000	1.926	11.24	967.2	0.000
6.4889	1.931	11.41	987.6	0.000
6.5778	1.936	11.58	1008.	0.000
6.6667	1.940	11.76	1028.	0.000
6.7556	1.945	11.93	1049.	0.000
6.8444	1.950	12.10	1070.	0.000
6.9333	1.954	12.28	1091.	0.000
7.0222	1.959	12.45	1113.	0.000
7.1111	1.964	12.62	1134.	0.000
7.2000	1.968	12.80	1156.	0.000
7.2889	1.973	12.97	1177.	0.000
7.3778	1.978	13.15	1199.	0.000
7.4667	1.983	13.33	1221.	0.000
7.5556	1.987	13.50	1243.	0.000
7.6444	1.992	13.68	1265.	0.000
7.7333	1.997	13.86	1288.	0.000
7.8222	2.001	14.04	1310.	0.000
7.9111	2.006	14.21	1333.	0.000
8.0000	2.011	14.39	1355.	0.000
8.0889	2.016	14.57	1378.	0.000

POC 7

Bottom Length: 227.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0264 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
NF

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.036	0.000	0.000	0.000
0.0889	0.036	0.003	0.850	0.000
0.1778	0.037	0.006	2.678	0.000
0.2667	0.037	0.009	5.227	0.000
0.3556	0.038	0.013	8.385	0.000
0.4444	0.038	0.016	12.08	0.000
0.5333	0.039	0.020	16.27	0.000
0.6222	0.039	0.023	20.92	0.000
0.7111	0.040	0.027	25.99	0.000
0.8000	0.040	0.030	31.46	0.000
0.8889	0.041	0.034	37.32	0.000
0.9778	0.041	0.038	43.54	0.000
1.0667	0.042	0.041	50.11	0.000
1.1556	0.042	0.045	57.03	0.000
1.2444	0.043	0.049	64.27	0.000
1.3333	0.043	0.053	71.84	0.000
1.4222	0.043	0.057	79.71	0.000
1.5111	0.044	0.061	87.90	0.000
1.6000	0.044	0.065	96.38	0.000
1.6889	0.045	0.069	105.1	0.000
1.7778	0.045	0.073	114.2	0.000
1.8667	0.046	0.077	123.5	0.000
1.9556	0.046	0.081	133.2	0.000
2.0444	0.047	0.085	143.1	0.000
2.1333	0.047	0.089	153.3	0.000
2.2222	0.048	0.094	163.8	0.000
2.3111	0.048	0.098	174.5	0.000
2.4000	0.049	0.102	185.5	0.000
2.4889	0.049	0.107	196.8	0.000
2.5778	0.049	0.111	208.3	0.000
2.6667	0.050	0.115	220.1	0.000
2.7556	0.050	0.120	232.2	0.000
2.8444	0.051	0.124	244.5	0.000
2.9333	0.051	0.129	257.1	0.000
3.0222	0.052	0.134	270.0	0.000
3.1111	0.052	0.138	283.1	0.000
3.2000	0.053	0.143	296.5	0.000
3.2889	0.053	0.148	310.1	0.000
3.3778	0.054	0.153	324.0	0.000
3.4667	0.054	0.157	338.2	0.000

3.5556	0.055	0.162	352.6	0.000
3.6444	0.055	0.167	367.2	0.000
3.7333	0.056	0.172	382.2	0.000
3.8222	0.056	0.177	397.4	0.000
3.9111	0.056	0.182	412.8	0.000
4.0000	0.057	0.187	428.5	0.000
4.0889	0.057	0.192	444.5	0.000
4.1778	0.058	0.198	460.7	0.000
4.2667	0.058	0.203	477.2	0.000
4.3556	0.059	0.208	494.0	0.000
4.4444	0.059	0.213	511.0	0.000
4.5333	0.060	0.219	528.2	0.000
4.6222	0.060	0.224	545.8	0.000
4.7111	0.061	0.229	563.6	0.000
4.8000	0.061	0.235	581.6	0.000
4.8889	0.062	0.240	599.9	0.000
4.9778	0.062	0.246	618.5	0.000
5.0667	0.063	0.251	637.4	0.000
5.1556	0.063	0.257	656.5	0.000
5.2444	0.063	0.263	675.9	0.000
5.3333	0.064	0.268	695.5	0.000
5.4222	0.064	0.274	715.4	0.000
5.5111	0.065	0.280	735.6	0.000
5.6000	0.065	0.286	756.1	0.000
5.6889	0.066	0.292	776.8	0.000
5.7778	0.066	0.298	797.8	0.000
5.8667	0.067	0.303	819.1	0.000
5.9556	0.067	0.309	840.6	0.000
6.0444	0.068	0.315	862.4	0.000
6.1333	0.068	0.322	884.5	0.000
6.2222	0.069	0.328	906.8	0.000
6.3111	0.069	0.334	929.5	0.000
6.4000	0.069	0.340	952.4	0.000
6.4889	0.070	0.346	975.5	0.000
6.5778	0.070	0.353	999.0	0.000
6.6667	0.071	0.359	1022.	0.000
6.7556	0.071	0.365	1046.	0.000
6.8444	0.072	0.372	1071.	0.000
6.9333	0.072	0.378	1095.	0.000
7.0222	0.073	0.385	1120.	0.000
7.1111	0.073	0.391	1145.	0.000
7.2000	0.074	0.398	1171.	0.000
7.2889	0.074	0.404	1196.	0.000
7.3778	0.075	0.411	1222.	0.000
7.4667	0.075	0.418	1249.	0.000
7.5556	0.076	0.424	1275.	0.000
7.6444	0.076	0.431	1302.	0.000
7.7333	0.076	0.438	1329.	0.000
7.8222	0.077	0.445	1357.	0.000
7.9111	0.077	0.452	1384.	0.000
8.0000	0.078	0.459	1412.	0.000
8.0889	0.078	0.466	1441.	0.000

NF

Bottom Length: 759.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0264 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.174	0.000	0.000	0.000
0.0889	0.175	0.015	1.420	0.000
0.1778	0.177	0.031	4.485	0.000
0.2667	0.178	0.047	8.769	0.000
0.3556	0.180	0.063	14.09	0.000
0.4444	0.182	0.079	20.34	0.000
0.5333	0.183	0.095	27.43	0.000
0.6222	0.185	0.111	35.31	0.000
0.7111	0.186	0.128	43.92	0.000
0.8000	0.188	0.145	53.22	0.000
0.8889	0.189	0.161	63.18	0.000
0.9778	0.191	0.178	73.77	0.000
1.0667	0.192	0.195	84.96	0.000
1.1556	0.194	0.213	96.74	0.000
1.2444	0.195	0.230	109.0	0.000
1.3333	0.197	0.247	121.9	0.000
1.4222	0.199	0.265	135.3	0.000
1.5111	0.200	0.283	149.3	0.000
1.6000	0.202	0.301	163.7	0.000
1.6889	0.203	0.319	178.7	0.000
1.7778	0.205	0.337	194.1	0.000
1.8667	0.206	0.355	210.0	0.000
1.9556	0.208	0.374	226.3	0.000
2.0444	0.209	0.392	243.1	0.000
2.1333	0.211	0.411	260.4	0.000
2.2222	0.213	0.430	278.1	0.000
2.3111	0.214	0.449	296.3	0.000
2.4000	0.216	0.468	314.9	0.000
2.4889	0.217	0.487	333.9	0.000
2.5778	0.219	0.507	353.3	0.000
2.6667	0.220	0.526	373.2	0.000
2.7556	0.222	0.546	393.5	0.000
2.8444	0.223	0.566	414.2	0.000
2.9333	0.225	0.586	435.3	0.000
3.0222	0.227	0.606	456.8	0.000
3.1111	0.228	0.626	478.8	0.000
3.2000	0.230	0.646	501.1	0.000
3.2889	0.231	0.667	523.8	0.000
3.3778	0.233	0.688	546.9	0.000
3.4667	0.234	0.708	570.5	0.000

3.5556	0.236	0.729	594.4	0.000
3.6444	0.237	0.750	618.7	0.000
3.7333	0.239	0.772	643.4	0.000
3.8222	0.240	0.793	668.5	0.000
3.9111	0.242	0.814	694.0	0.000
4.0000	0.244	0.836	719.9	0.000
4.0889	0.245	0.858	746.1	0.000
4.1778	0.247	0.880	772.8	0.000
4.2667	0.248	0.902	799.8	0.000
4.3556	0.250	0.924	827.3	0.000
4.4444	0.251	0.946	855.1	0.000
4.5333	0.253	0.969	883.3	0.000
4.6222	0.254	0.991	911.8	0.000
4.7111	0.256	1.014	940.8	0.000
4.8000	0.258	1.037	970.2	0.000
4.8889	0.259	1.060	999.9	0.000
4.9778	0.261	1.083	1030.	0.000
5.0667	0.262	1.106	1060.	0.000
5.1556	0.264	1.130	1091.	0.000
5.2444	0.265	1.153	1122.	0.000
5.3333	0.267	1.177	1154.	0.000
5.4222	0.268	1.201	1186.	0.000
5.5111	0.270	1.225	1218.	0.000
5.6000	0.271	1.249	1251.	0.000
5.6889	0.273	1.273	1284.	0.000
5.7778	0.275	1.297	1318.	0.000
5.8667	0.276	1.322	1352.	0.000
5.9556	0.278	1.347	1386.	0.000
6.0444	0.279	1.371	1421.	0.000
6.1333	0.281	1.396	1456.	0.000
6.2222	0.282	1.421	1491.	0.000
6.3111	0.284	1.447	1527.	0.000
6.4000	0.285	1.472	1564.	0.000
6.4889	0.287	1.497	1600.	0.000
6.5778	0.289	1.523	1637.	0.000
6.6667	0.290	1.549	1675.	0.000
6.7556	0.292	1.575	1713.	0.000
6.8444	0.293	1.601	1751.	0.000
6.9333	0.295	1.627	1789.	0.000
7.0222	0.296	1.653	1828.	0.000
7.1111	0.298	1.680	1868.	0.000
7.2000	0.299	1.706	1907.	0.000
7.2889	0.301	1.733	1948.	0.000
7.3778	0.303	1.760	1988.	0.000
7.4667	0.304	1.787	2029.	0.000
7.5556	0.306	1.814	2070.	0.000
7.6444	0.307	1.841	2112.	0.000
7.7333	0.309	1.869	2154.	0.000
7.8222	0.310	1.896	2197.	0.000
7.9111	0.312	1.924	2240.	0.000
8.0000	0.313	1.952	2283.	0.000
8.0889	0.315	1.980	2327.	0.000

HMB 8b

Depth: 20.1 ft.
Element Flows To:
Outlet 1 Outlet 2
Channel 8

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	1.500	0.015	0.002	0.000	0.000	0.000	0.000
0.250	1.522	0.375	0.278	0.000	0.000	0.000	0.000
0.500	1.545	0.758	0.785	0.000	0.000	0.000	0.000
0.750	1.568	1.148	1.381	0.000	0.000	0.000	0.000
1.000	1.591	1.543	1.747	0.000	0.000	0.000	0.000
1.250	1.614	1.944	2.049	0.000	0.000	0.000	0.000
1.500	1.637	2.351	2.311	0.000	0.000	0.000	0.000
1.750	1.660	2.764	2.547	0.000	0.000	0.000	0.000
2.000	1.683	3.182	2.763	0.000	0.000	0.000	0.000
2.250	1.706	3.606	2.963	0.000	0.000	0.000	0.000
2.500	1.729	4.035	3.150	0.000	0.000	0.000	0.000
2.750	1.752	4.471	3.327	0.000	0.000	0.000	0.000
3.000	1.775	4.912	3.495	0.000	0.000	0.000	0.000
3.250	1.798	5.358	3.655	0.000	0.000	0.000	0.000
3.500	1.821	5.811	3.808	0.000	0.000	0.000	0.000
3.750	1.844	6.269	3.956	0.000	0.000	0.000	0.000
4.000	1.867	6.733	4.098	0.000	0.000	0.000	0.000
4.250	1.890	7.203	4.235	0.000	0.000	0.000	0.000
4.500	1.912	7.678	4.368	0.000	0.000	0.000	0.000
4.750	1.935	8.159	4.497	0.000	0.000	0.000	0.000
5.000	1.958	8.646	4.623	0.000	0.000	0.000	0.000
5.250	1.981	9.138	4.745	0.000	0.000	0.000	0.000
5.500	2.004	9.636	4.864	0.000	0.000	0.000	0.000
5.750	2.027	10.14	4.981	0.000	0.000	0.000	0.000
6.000	2.050	10.65	5.094	0.000	0.000	0.000	0.000
6.250	2.073	11.17	5.205	0.000	0.000	0.000	0.000
6.500	2.096	11.69	5.314	0.000	0.000	0.000	0.000
6.750	2.119	12.21	5.421	0.000	0.000	0.000	0.000
7.000	2.142	12.75	5.525	0.000	0.000	0.000	0.000
7.250	2.164	13.28	5.628	0.000	0.000	0.000	0.000
7.500	2.187	13.83	5.729	0.000	0.000	0.000	0.000
7.750	2.210	14.38	5.828	0.000	0.000	0.000	0.000
8.000	2.233	14.93	5.925	0.000	0.000	0.000	0.000
8.250	2.256	15.49	6.021	0.000	0.000	0.000	0.000
8.500	2.279	16.06	6.116	0.000	0.000	0.000	0.000
8.750	2.302	16.63	6.208	0.000	0.000	0.000	0.000
9.000	2.325	17.21	6.300	0.000	0.000	0.000	0.000
9.250	2.348	17.80	6.390	0.000	0.000	0.000	0.000
9.500	2.370	18.39	6.479	0.000	0.000	0.000	0.000
9.750	2.393	18.98	6.567	0.000	0.000	0.000	0.000
10.000	2.416	19.58	6.653	0.000	0.000	0.000	0.000
10.25	2.439	20.19	6.739	0.000	0.000	0.000	0.000
10.50	2.462	20.80	7.172	0.000	0.000	0.000	0.000
10.75	2.485	21.42	8.423	0.000	0.000	0.000	0.000
11.00	2.508	22.04	10.13	0.000	0.000	0.000	0.000
11.25	2.530	22.67	12.19	0.000	0.000	0.000	0.000

11.50	2.553	23.31	14.54	0.000	0.000	0.000	0.000
11.75	2.576	23.95	17.16	0.000	0.000	0.000	0.000
12.00	2.599	24.60	20.01	0.000	0.000	0.000	0.000
12.25	2.622	25.25	22.99	0.000	0.000	0.000	0.000
12.50	2.645	25.91	24.91	0.000	0.000	0.000	0.000
12.75	2.668	26.57	26.65	0.000	0.000	0.000	0.000
13.00	2.690	27.24	29.33	0.000	0.000	0.000	0.000
13.25	2.713	27.92	33.37	0.000	0.000	0.000	0.000
13.50	2.736	28.60	38.19	0.000	0.000	0.000	0.000
13.75	2.759	29.28	43.61	0.000	0.000	0.000	0.000
14.00	2.782	29.98	49.54	0.000	0.000	0.000	0.000
14.25	2.805	30.67	55.94	0.000	0.000	0.000	0.000
14.50	2.827	31.38	62.75	0.000	0.000	0.000	0.000
14.75	2.850	32.09	69.96	0.000	0.000	0.000	0.000
15.00	2.873	32.80	77.52	0.000	0.000	0.000	0.000
15.25	2.896	33.52	85.44	0.000	0.000	0.000	0.000
15.50	2.919	34.25	93.68	0.000	0.000	0.000	0.000
15.75	2.941	34.98	102.2	0.000	0.000	0.000	0.000
16.00	2.964	35.72	111.1	0.000	0.000	0.000	0.000
16.25	2.987	36.47	120.2	0.000	0.000	0.000	0.000
16.50	3.010	37.22	129.7	0.000	0.000	0.000	0.000
16.75	3.033	37.97	139.4	0.000	0.000	0.000	0.000
17.00	3.056	38.73	149.3	0.000	0.000	0.000	0.000
17.25	3.078	39.50	159.6	0.000	0.000	0.000	0.000
17.50	3.101	40.27	170.0	0.000	0.000	0.000	0.000
17.75	3.124	41.05	180.7	0.000	0.000	0.000	0.000
18.00	3.147	41.83	191.7	0.000	0.000	0.000	0.000
18.25	3.170	42.62	202.9	0.000	0.000	0.000	0.000
18.50	3.192	43.42	214.3	0.000	0.000	0.000	0.000
18.75	3.215	44.22	225.9	0.000	0.000	0.000	0.000
19.00	3.238	45.03	237.7	0.000	0.000	0.000	0.000
19.25	3.261	45.84	249.8	0.000	0.000	0.000	0.000
19.50	3.283	46.66	262.1	0.000	0.000	0.000	0.000
19.75	3.306	47.48	274.6	0.000	0.000	0.000	0.000
20.00	3.329	48.31	290.8	0.000	0.000	0.000	0.000
20.10	3.400	48.40	999.0	0.000	0.000	0.000	0.000

HMB 7

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 7

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.000	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.009	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.023	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.031	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.038	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.043	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.048	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.053	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.057	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.060	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.064	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.067	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.071	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.074	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.077	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.080	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.109	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.159	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.224	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.301	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.387	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.451	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.501	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.546	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.587	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.625	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.766	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.993	0.000	0.000	0.000	0.000
2.800	0.208	0.434	1.274	0.000	0.000	0.000	0.000
2.900	0.212	0.455	1.600	0.000	0.000	0.000	0.000
3.000	0.216	0.476	1.964	0.000	0.000	0.000	0.000
3.100	0.220	0.498	2.363	0.000	0.000	0.000	0.000
3.200	0.223	0.520	2.793	0.000	0.000	0.000	0.000
3.300	0.227	0.542	3.252	0.000	0.000	0.000	0.000
3.400	0.231	0.565	3.738	0.000	0.000	0.000	0.000
3.500	0.235	0.588	4.250	0.000	0.000	0.000	0.000
3.600	0.238	0.612	4.786	0.000	0.000	0.000	0.000
3.700	0.242	0.636	5.345	0.000	0.000	0.000	0.000
3.800	0.246	0.660	5.926	0.000	0.000	0.000	0.000
3.900	0.250	0.685	6.529	0.000	0.000	0.000	0.000
4.000	0.253	0.710	7.153	0.000	0.000	0.000	0.000
4.100	0.257	0.735	8.558	0.000	0.000	0.000	0.000
4.200	0.261	0.761	10.50	0.000	0.000	0.000	0.000
4.300	0.265	0.787	12.88	0.000	0.000	0.000	0.000
4.400	0.268	0.814	15.60	0.000	0.000	0.000	0.000
4.500	0.272	0.841	18.63	0.000	0.000	0.000	0.000

4.600	0.276	0.868	21.93	0.000	0.000	0.000	0.000
4.700	0.280	0.896	25.48	0.000	0.000	0.000	0.000
4.800	0.283	0.924	29.25	0.000	0.000	0.000	0.000
4.900	0.287	0.952	33.24	0.000	0.000	0.000	0.000
5.000	0.291	0.981	37.43	0.000	0.000	0.000	0.000
5.100	0.294	1.010	41.81	0.000	0.000	0.000	0.000
5.200	0.298	1.040	46.37	0.000	0.000	0.000	0.000
5.300	0.302	1.070	51.11	0.000	0.000	0.000	0.000
5.400	0.306	1.100	56.02	0.000	0.000	0.000	0.000
5.500	0.309	1.131	61.10	0.000	0.000	0.000	0.000
5.600	0.313	1.162	66.33	0.000	0.000	0.000	0.000
5.700	0.317	1.193	71.71	0.000	0.000	0.000	0.000
5.800	0.320	1.225	77.24	0.000	0.000	0.000	0.000
5.900	0.324	1.257	82.91	0.000	0.000	0.000	0.000
6.000	0.328	1.290	88.73	0.000	0.000	0.000	0.000
6.100	0.331	1.323	94.68	0.000	0.000	0.000	0.000
6.200	0.335	1.356	100.8	0.000	0.000	0.000	0.000
6.300	0.339	1.390	107.0	0.000	0.000	0.000	0.000
6.400	0.342	1.424	113.3	0.000	0.000	0.000	0.000
6.500	0.346	1.458	119.8	0.000	0.000	0.000	0.000
6.600	0.350	1.493	126.4	0.000	0.000	0.000	0.000
6.700	0.353	1.528	133.1	0.000	0.000	0.000	0.000
6.800	0.357	1.564	140.0	0.000	0.000	0.000	0.000
6.900	0.361	1.600	146.9	0.000	0.000	0.000	0.000
7.000	0.364	1.636	154.0	0.000	0.000	0.000	0.000
7.100	0.368	1.673	161.1	0.000	0.000	0.000	0.000
7.200	0.372	1.710	168.4	0.000	0.000	0.000	0.000
7.300	0.375	1.747	175.8	0.000	0.000	0.000	0.000
7.400	0.379	1.785	183.3	0.000	0.000	0.000	0.000
7.500	0.382	1.823	191.0	0.000	0.000	0.000	0.000
7.600	0.386	1.862	198.7	0.000	0.000	0.000	0.000
7.700	0.390	1.901	206.5	0.000	0.000	0.000	0.000
7.800	0.393	1.940	214.4	0.000	0.000	0.000	0.000
7.900	0.397	1.980	222.4	0.000	0.000	0.000	0.000
8.000	0.401	2.020	230.6	0.000	0.000	0.000	0.000
8.100	0.600	2.600	999.0	0.000	0.000	0.000	0.000

Urban 1

Bottom Length: 2254.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0142 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 7

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.310	0.000	0.000	0.000
0.0889	0.315	0.027	0.533	0.000
0.1778	0.319	0.056	1.679	0.000
0.2667	0.324	0.084	3.274	0.000
0.3556	0.328	0.113	5.248	0.000
0.4444	0.333	0.143	7.557	0.000
0.5333	0.338	0.172	10.17	0.000
0.6222	0.342	0.203	13.06	0.000
0.7111	0.347	0.233	16.22	0.000
0.8000	0.351	0.264	19.63	0.000
0.8889	0.356	0.296	23.28	0.000
0.9778	0.361	0.328	27.15	0.000
1.0667	0.365	0.360	31.25	0.000
1.1556	0.370	0.393	35.55	0.000
1.2444	0.374	0.426	40.06	0.000
1.3333	0.379	0.460	44.78	0.000
1.4222	0.384	0.493	49.69	0.000
1.5111	0.388	0.528	54.79	0.000
1.6000	0.393	0.563	60.09	0.000
1.6889	0.397	0.598	65.57	0.000
1.7778	0.402	0.633	71.23	0.000
1.8667	0.407	0.669	77.08	0.000
1.9556	0.411	0.706	83.10	0.000
2.0444	0.416	0.742	89.31	0.000
2.1333	0.420	0.780	95.69	0.000
2.2222	0.425	0.817	102.2	0.000
2.3111	0.430	0.855	108.9	0.000
2.4000	0.434	0.894	115.9	0.000
2.4889	0.439	0.933	122.9	0.000
2.5778	0.443	0.972	130.2	0.000
2.6667	0.448	1.011	137.6	0.000
2.7556	0.453	1.052	145.2	0.000
2.8444	0.457	1.092	153.0	0.000
2.9333	0.462	1.133	160.9	0.000
3.0222	0.466	1.174	169.0	0.000
3.1111	0.471	1.216	177.3	0.000
3.2000	0.476	1.258	185.8	0.000
3.2889	0.480	1.301	194.4	0.000
3.3778	0.485	1.343	203.2	0.000
3.4667	0.489	1.387	212.2	0.000

3.5556	0.494	1.431	221.3	0.000
3.6444	0.499	1.475	230.7	0.000
3.7333	0.503	1.519	240.1	0.000
3.8222	0.508	1.564	249.8	0.000
3.9111	0.512	1.610	259.6	0.000
4.0000	0.517	1.655	269.6	0.000
4.0889	0.522	1.702	279.8	0.000
4.1778	0.526	1.748	290.2	0.000
4.2667	0.531	1.795	300.7	0.000
4.3556	0.535	1.843	311.4	0.000
4.4444	0.540	1.891	322.3	0.000
4.5333	0.545	1.939	333.4	0.000
4.6222	0.549	1.987	344.6	0.000
4.7111	0.554	2.036	356.0	0.000
4.8000	0.558	2.086	367.6	0.000
4.8889	0.563	2.136	379.4	0.000
4.9778	0.568	2.186	391.3	0.000
5.0667	0.572	2.237	403.4	0.000
5.1556	0.577	2.288	415.7	0.000
5.2444	0.581	2.339	428.2	0.000
5.3333	0.586	2.391	440.9	0.000
5.4222	0.591	2.444	453.7	0.000
5.5111	0.595	2.496	466.8	0.000
5.6000	0.600	2.550	480.0	0.000
5.6889	0.604	2.603	493.4	0.000
5.7778	0.609	2.657	506.9	0.000
5.8667	0.614	2.712	520.7	0.000
5.9556	0.618	2.766	534.7	0.000
6.0444	0.623	2.822	548.8	0.000
6.1333	0.627	2.877	563.1	0.000
6.2222	0.632	2.933	577.6	0.000
6.3111	0.637	2.990	592.3	0.000
6.4000	0.641	3.046	607.2	0.000
6.4889	0.646	3.104	622.3	0.000
6.5778	0.650	3.161	637.6	0.000
6.6667	0.655	3.219	653.0	0.000
6.7556	0.660	3.278	668.7	0.000
6.8444	0.664	3.337	684.5	0.000
6.9333	0.669	3.396	700.6	0.000
7.0222	0.673	3.456	716.8	0.000
7.1111	0.678	3.516	733.2	0.000
7.2000	0.683	3.576	749.9	0.000
7.2889	0.687	3.637	766.7	0.000
7.3778	0.692	3.699	783.7	0.000
7.4667	0.696	3.760	800.9	0.000
7.5556	0.701	3.822	818.3	0.000
7.6444	0.706	3.885	835.9	0.000
7.7333	0.710	3.948	853.7	0.000
7.8222	0.715	4.011	871.8	0.000
7.9111	0.719	4.075	890.0	0.000
8.0000	0.724	4.139	908.4	0.000
8.0889	0.729	4.204	927.0	0.000

Channel 13

Bottom Length: 1563.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0218 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 6

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.179	0.000	0.000	0.000
0.0889	0.182	0.016	0.550	0.000
0.1778	0.185	0.032	1.728	0.000
0.2667	0.189	0.049	3.365	0.000
0.3556	0.192	0.066	5.387	0.000
0.4444	0.195	0.083	7.750	0.000
0.5333	0.198	0.100	10.42	0.000
0.6222	0.201	0.118	13.38	0.000
0.7111	0.204	0.136	16.60	0.000
0.8000	0.208	0.155	20.08	0.000
0.8889	0.211	0.173	23.81	0.000
0.9778	0.214	0.192	27.76	0.000
1.0667	0.217	0.211	31.95	0.000
1.1556	0.220	0.231	36.35	0.000
1.2444	0.224	0.251	40.96	0.000
1.3333	0.227	0.271	45.78	0.000
1.4222	0.230	0.291	50.81	0.000
1.5111	0.233	0.312	56.04	0.000
1.6000	0.236	0.333	61.47	0.000
1.6889	0.240	0.354	67.09	0.000
1.7778	0.243	0.375	72.91	0.000
1.8667	0.246	0.397	78.93	0.000
1.9556	0.249	0.419	85.13	0.000
2.0444	0.252	0.441	91.53	0.000
2.1333	0.256	0.464	98.12	0.000
2.2222	0.259	0.487	104.9	0.000
2.3111	0.262	0.510	111.8	0.000
2.4000	0.265	0.533	119.0	0.000
2.4889	0.268	0.557	126.3	0.000
2.5778	0.271	0.581	133.8	0.000
2.6667	0.275	0.606	141.6	0.000
2.7556	0.278	0.630	149.5	0.000
2.8444	0.281	0.655	157.6	0.000
2.9333	0.284	0.680	165.8	0.000
3.0222	0.287	0.706	174.3	0.000
3.1111	0.291	0.731	183.0	0.000
3.2000	0.294	0.757	191.8	0.000
3.2889	0.297	0.784	200.9	0.000
3.3778	0.300	0.810	210.1	0.000
3.4667	0.303	0.837	219.5	0.000

3.5556	0.307	0.864	229.1	0.000
3.6444	0.310	0.892	238.9	0.000
3.7333	0.313	0.919	248.9	0.000
3.8222	0.316	0.947	259.1	0.000
3.9111	0.319	0.976	269.5	0.000
4.0000	0.323	1.004	280.1	0.000
4.0889	0.326	1.033	290.9	0.000
4.1778	0.329	1.062	301.8	0.000
4.2667	0.332	1.092	313.0	0.000
4.3556	0.335	1.121	324.4	0.000
4.4444	0.338	1.151	335.9	0.000
4.5333	0.342	1.182	347.7	0.000
4.6222	0.345	1.212	359.7	0.000
4.7111	0.348	1.243	371.8	0.000
4.8000	0.351	1.274	384.2	0.000
4.8889	0.354	1.306	396.8	0.000
4.9778	0.358	1.337	409.5	0.000
5.0667	0.361	1.369	422.5	0.000
5.1556	0.364	1.401	435.7	0.000
5.2444	0.367	1.434	449.1	0.000
5.3333	0.370	1.467	462.7	0.000
5.4222	0.374	1.500	476.5	0.000
5.5111	0.377	1.533	490.5	0.000
5.6000	0.380	1.567	504.7	0.000
5.6889	0.383	1.601	519.2	0.000
5.7778	0.386	1.635	533.8	0.000
5.8667	0.390	1.670	548.7	0.000
5.9556	0.393	1.705	563.7	0.000
6.0444	0.396	1.740	579.0	0.000
6.1333	0.399	1.775	594.5	0.000
6.2222	0.402	1.811	610.3	0.000
6.3111	0.405	1.847	626.2	0.000
6.4000	0.409	1.883	642.3	0.000
6.4889	0.412	1.919	658.7	0.000
6.5778	0.415	1.956	675.3	0.000
6.6667	0.418	1.993	692.1	0.000
6.7556	0.421	2.031	709.2	0.000
6.8444	0.425	2.068	726.4	0.000
6.9333	0.428	2.106	743.9	0.000
7.0222	0.431	2.144	761.6	0.000
7.1111	0.434	2.183	779.6	0.000
7.2000	0.437	2.222	797.7	0.000
7.2889	0.441	2.261	816.1	0.000
7.3778	0.444	2.300	834.7	0.000
7.4667	0.447	2.340	853.6	0.000
7.5556	0.450	2.380	872.7	0.000
7.6444	0.453	2.420	892.0	0.000
7.7333	0.457	2.460	911.5	0.000
7.8222	0.460	2.501	931.3	0.000
7.9111	0.463	2.542	951.3	0.000
8.0000	0.466	2.583	971.6	0.000
8.0889	0.469	2.625	992.0	0.000

HMB 13

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
Channel 13

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.018	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.037	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.049	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.058	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.066	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.074	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.080	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.086	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.092	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.097	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.102	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.107	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.112	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.116	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.120	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.124	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.128	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.132	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.136	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.140	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.143	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.147	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.150	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.153	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.157	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.160	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.163	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.166	0.000	0.000	0.000	0.000
2.900	0.212	0.455	0.169	0.000	0.000	0.000	0.000
3.000	0.216	0.476	0.172	0.000	0.000	0.000	0.000
3.100	0.220	0.498	0.175	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.178	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.180	0.000	0.000	0.000	0.000
3.400	0.231	0.565	0.183	0.000	0.000	0.000	0.000
3.500	0.235	0.588	0.186	0.000	0.000	0.000	0.000
3.600	0.238	0.612	0.189	0.000	0.000	0.000	0.000
3.700	0.242	0.636	0.226	0.000	0.000	0.000	0.000
3.800	0.246	0.660	0.293	0.000	0.000	0.000	0.000
3.900	0.250	0.685	0.379	0.000	0.000	0.000	0.000
4.000	0.253	0.710	0.480	0.000	0.000	0.000	0.000
4.100	0.257	0.735	0.594	0.000	0.000	0.000	0.000
4.200	0.261	0.761	0.679	0.000	0.000	0.000	0.000
4.300	0.265	0.787	0.745	0.000	0.000	0.000	0.000
4.400	0.268	0.814	0.804	0.000	0.000	0.000	0.000
4.500	0.272	0.841	0.858	0.000	0.000	0.000	0.000

4.600	0.276	0.868	0.909	0.000	0.000	0.000	0.000
4.700	0.280	0.896	0.956	0.000	0.000	0.000	0.000
4.800	0.283	0.924	1.001	0.000	0.000	0.000	0.000
4.900	0.287	0.952	1.043	0.000	0.000	0.000	0.000
5.000	0.291	0.981	1.083	0.000	0.000	0.000	0.000
5.100	0.294	1.010	1.122	0.000	0.000	0.000	0.000
5.200	0.298	1.040	1.248	0.000	0.000	0.000	0.000
5.300	0.302	1.070	1.444	0.000	0.000	0.000	0.000
5.400	0.306	1.100	1.687	0.000	0.000	0.000	0.000
5.500	0.309	1.131	1.967	0.000	0.000	0.000	0.000
5.600	0.313	1.162	2.279	0.000	0.000	0.000	0.000
5.700	0.317	1.193	2.619	0.000	0.000	0.000	0.000
5.800	0.320	1.225	2.986	0.000	0.000	0.000	0.000
5.900	0.324	1.257	3.377	0.000	0.000	0.000	0.000
6.000	0.328	1.290	3.790	0.000	0.000	0.000	0.000
6.100	0.331	1.323	4.225	0.000	0.000	0.000	0.000
6.200	0.335	1.356	4.680	0.000	0.000	0.000	0.000
6.300	0.339	1.390	5.154	0.000	0.000	0.000	0.000
6.400	0.342	1.424	5.647	0.000	0.000	0.000	0.000
6.500	0.346	1.458	6.158	0.000	0.000	0.000	0.000
6.600	0.350	1.493	6.685	0.000	0.000	0.000	0.000
6.700	0.353	1.528	7.229	0.000	0.000	0.000	0.000
6.800	0.357	1.564	7.790	0.000	0.000	0.000	0.000
6.900	0.361	1.600	8.365	0.000	0.000	0.000	0.000
7.000	0.364	1.636	8.956	0.000	0.000	0.000	0.000
7.100	0.368	1.673	9.562	0.000	0.000	0.000	0.000
7.200	0.372	1.710	10.18	0.000	0.000	0.000	0.000
7.300	0.375	1.747	10.82	0.000	0.000	0.000	0.000
7.400	0.379	1.785	11.46	0.000	0.000	0.000	0.000
7.500	0.382	1.823	12.12	0.000	0.000	0.000	0.000
7.600	0.386	1.862	12.80	0.000	0.000	0.000	0.000
7.700	0.390	1.901	13.49	0.000	0.000	0.000	0.000
7.800	0.393	1.940	14.22	0.000	0.000	0.000	0.000
7.900	0.397	1.980	15.94	0.000	0.000	0.000	0.000
8.000	0.401	2.020	18.69	0.000	0.000	0.000	0.000
8.100	0.404	2.060	999.0	0.000	0.000	0.000	0.000

HMB 6

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 6

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.420	0.004	0.001	0.000	0.000	0.000	0.000
0.100	0.421	0.040	0.044	0.000	0.000	0.000	0.000
0.200	0.432	0.083	0.124	0.000	0.000	0.000	0.000
0.300	0.443	0.127	0.228	0.000	0.000	0.000	0.000
0.400	0.454	0.172	0.323	0.000	0.000	0.000	0.000
0.500	0.465	0.217	0.386	0.000	0.000	0.000	0.000
0.600	0.476	0.264	0.440	0.000	0.000	0.000	0.000
0.700	0.486	0.312	0.488	0.000	0.000	0.000	0.000
0.800	0.497	0.360	0.532	0.000	0.000	0.000	0.000
0.900	0.507	0.409	0.573	0.000	0.000	0.000	0.000
1.000	0.518	0.460	0.610	0.000	0.000	0.000	0.000
1.100	0.528	0.511	0.646	0.000	0.000	0.000	0.000
1.200	0.538	0.563	0.680	0.000	0.000	0.000	0.000
1.300	0.549	0.616	0.712	0.000	0.000	0.000	0.000
1.400	0.559	0.670	0.743	0.000	0.000	0.000	0.000
1.500	0.569	0.725	0.772	0.000	0.000	0.000	0.000
1.600	0.579	0.781	0.801	0.000	0.000	0.000	0.000
1.700	0.589	0.838	0.828	0.000	0.000	0.000	0.000
1.800	0.599	0.896	0.855	0.000	0.000	0.000	0.000
1.900	0.608	0.954	0.880	0.000	0.000	0.000	0.000
2.000	0.618	1.014	0.905	0.000	0.000	0.000	0.000
2.100	0.628	1.075	0.930	0.000	0.000	0.000	0.000
2.200	0.637	1.136	0.954	0.000	0.000	0.000	0.000
2.300	0.647	1.198	0.977	0.000	0.000	0.000	0.000
2.400	0.656	1.262	0.999	0.000	0.000	0.000	0.000
2.500	0.665	1.326	1.022	0.000	0.000	0.000	0.000
2.600	0.675	1.391	1.043	0.000	0.000	0.000	0.000
2.700	0.684	1.457	1.064	0.000	0.000	0.000	0.000
2.800	0.693	1.524	1.085	0.000	0.000	0.000	0.000
2.900	0.702	1.592	1.106	0.000	0.000	0.000	0.000
3.000	0.711	1.661	1.126	0.000	0.000	0.000	0.000
3.100	0.720	1.731	1.145	0.000	0.000	0.000	0.000
3.200	0.728	1.801	1.165	0.000	0.000	0.000	0.000
3.300	0.737	1.873	1.184	0.000	0.000	0.000	0.000
3.400	0.746	1.945	1.203	0.000	0.000	0.000	0.000
3.500	0.754	2.019	1.221	0.000	0.000	0.000	0.000
3.600	0.763	2.093	1.239	0.000	0.000	0.000	0.000
3.700	0.771	2.169	1.257	0.000	0.000	0.000	0.000
3.800	0.780	2.245	1.275	0.000	0.000	0.000	0.000
3.900	0.788	2.322	1.292	0.000	0.000	0.000	0.000
4.000	0.796	2.400	1.309	0.000	0.000	0.000	0.000
4.100	0.804	2.479	1.326	0.000	0.000	0.000	0.000
4.200	0.812	2.559	1.343	0.000	0.000	0.000	0.000
4.300	0.820	2.640	1.360	0.000	0.000	0.000	0.000
4.400	0.828	2.722	1.376	0.000	0.000	0.000	0.000
4.500	0.836	2.804	1.392	0.000	0.000	0.000	0.000

4.600	0.844	2.888	1.408	0.000	0.000	0.000	0.000
4.700	0.851	2.973	1.424	0.000	0.000	0.000	0.000
4.800	0.859	3.058	1.439	0.000	0.000	0.000	0.000
4.900	0.866	3.144	1.455	0.000	0.000	0.000	0.000
5.000	0.874	3.232	1.470	0.000	0.000	0.000	0.000
5.100	0.881	3.320	1.485	0.000	0.000	0.000	0.000
5.200	0.888	3.409	1.500	0.000	0.000	0.000	0.000
5.300	0.896	3.499	1.515	0.000	0.000	0.000	0.000
5.400	0.903	3.590	1.530	0.000	0.000	0.000	0.000
5.500	0.910	3.682	1.544	0.000	0.000	0.000	0.000
5.600	0.917	3.775	1.559	0.000	0.000	0.000	0.000
5.700	0.924	3.869	1.573	0.000	0.000	0.000	0.000
5.800	0.931	3.964	1.587	0.000	0.000	0.000	0.000
5.900	0.937	4.059	1.601	0.000	0.000	0.000	0.000
6.000	0.944	4.156	1.615	0.000	0.000	0.000	0.000
6.100	0.951	4.254	1.629	0.000	0.000	0.000	0.000
6.200	0.957	4.352	1.643	0.000	0.000	0.000	0.000
6.300	0.964	4.451	1.656	0.000	0.000	0.000	0.000
6.400	0.970	4.552	1.670	0.000	0.000	0.000	0.000
6.500	0.976	4.653	1.683	0.000	0.000	0.000	0.000
6.600	0.983	4.755	1.696	0.000	0.000	0.000	0.000
6.700	0.989	4.858	1.709	0.000	0.000	0.000	0.000
6.800	0.995	4.962	1.722	0.000	0.000	0.000	0.000
6.900	1.001	5.067	1.735	0.000	0.000	0.000	0.000
7.000	1.007	5.173	1.748	0.000	0.000	0.000	0.000
7.100	1.013	5.280	1.761	0.000	0.000	0.000	0.000
7.200	1.018	5.387	1.774	0.000	0.000	0.000	0.000
7.300	1.024	5.496	3.162	0.000	0.000	0.000	0.000
7.400	1.030	5.605	5.717	0.000	0.000	0.000	0.000
7.500	1.035	5.716	9.027	0.000	0.000	0.000	0.000
7.600	1.041	5.827	12.95	0.000	0.000	0.000	0.000
7.700	1.046	5.940	17.26	0.000	0.000	0.000	0.000
7.800	1.052	6.053	21.92	0.000	0.000	0.000	0.000
7.900	1.057	6.167	26.95	0.000	0.000	0.000	0.000
8.000	1.062	6.282	32.31	0.000	0.000	0.000	0.000
8.100	1.067	6.398	999.0	0.000	0.000	0.000	0.000

Channel 8

Bottom Length: 1453.00 ft.
Bottom Width: 7.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0138 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 7

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.233	0.000	0.000	0.000
0.0889	0.236	0.020	0.614	0.000
0.1778	0.239	0.042	1.936	0.000
0.2667	0.242	0.063	3.779	0.000
0.3556	0.245	0.085	6.062	0.000
0.4444	0.248	0.107	8.737	0.000
0.5333	0.251	0.129	11.76	0.000
0.6222	0.254	0.151	15.12	0.000
0.7111	0.257	0.174	18.79	0.000
0.8000	0.260	0.197	22.75	0.000
0.8889	0.263	0.220	26.98	0.000
0.9778	0.266	0.244	31.48	0.000
1.0667	0.269	0.268	36.23	0.000
1.1556	0.272	0.292	41.23	0.000
1.2444	0.275	0.316	46.47	0.000
1.3333	0.278	0.341	51.94	0.000
1.4222	0.280	0.365	57.63	0.000
1.5111	0.283	0.390	63.55	0.000
1.6000	0.286	0.416	69.68	0.000
1.6889	0.289	0.441	76.03	0.000
1.7778	0.292	0.467	82.59	0.000
1.8667	0.295	0.494	89.35	0.000
1.9556	0.298	0.520	96.32	0.000
2.0444	0.301	0.547	103.4	0.000
2.1333	0.304	0.574	110.8	0.000
2.2222	0.307	0.601	118.4	0.000
2.3111	0.310	0.628	126.1	0.000
2.4000	0.313	0.656	134.1	0.000
2.4889	0.316	0.684	142.3	0.000
2.5778	0.319	0.712	150.6	0.000
2.6667	0.322	0.741	159.1	0.000
2.7556	0.325	0.770	167.9	0.000
2.8444	0.328	0.799	176.8	0.000
2.9333	0.331	0.828	185.9	0.000
3.0222	0.334	0.858	195.2	0.000
3.1111	0.337	0.887	204.7	0.000
3.2000	0.340	0.918	214.3	0.000
3.2889	0.343	0.948	224.2	0.000
3.3778	0.346	0.979	234.2	0.000
3.4667	0.349	1.009	244.5	0.000

3.5556	0.352	1.041	254.9	0.000
3.6444	0.355	1.072	265.5	0.000
3.7333	0.358	1.104	276.3	0.000
3.8222	0.361	1.136	287.3	0.000
3.9111	0.364	1.168	298.5	0.000
4.0000	0.366	1.200	309.8	0.000
4.0889	0.369	1.233	321.4	0.000
4.1778	0.372	1.266	333.1	0.000
4.2667	0.375	1.299	345.0	0.000
4.3556	0.378	1.333	357.1	0.000
4.4444	0.381	1.367	369.4	0.000
4.5333	0.384	1.401	381.9	0.000
4.6222	0.387	1.435	394.6	0.000
4.7111	0.390	1.470	407.4	0.000
4.8000	0.393	1.505	420.5	0.000
4.8889	0.396	1.540	433.8	0.000
4.9778	0.399	1.575	447.2	0.000
5.0667	0.402	1.611	460.8	0.000
5.1556	0.405	1.647	474.6	0.000
5.2444	0.408	1.683	488.7	0.000
5.3333	0.411	1.719	502.9	0.000
5.4222	0.414	1.756	517.3	0.000
5.5111	0.417	1.793	531.8	0.000
5.6000	0.420	1.830	546.6	0.000
5.6889	0.423	1.868	561.6	0.000
5.7778	0.426	1.906	576.8	0.000
5.8667	0.429	1.944	592.2	0.000
5.9556	0.432	1.982	607.7	0.000
6.0444	0.435	2.020	623.5	0.000
6.1333	0.438	2.059	639.5	0.000
6.2222	0.441	2.098	655.6	0.000
6.3111	0.444	2.138	672.0	0.000
6.4000	0.447	2.177	688.5	0.000
6.4889	0.450	2.217	705.3	0.000
6.5778	0.453	2.257	722.3	0.000
6.6667	0.455	2.298	739.4	0.000
6.7556	0.458	2.338	756.8	0.000
6.8444	0.461	2.379	774.3	0.000
6.9333	0.464	2.420	792.1	0.000
7.0222	0.467	2.462	810.1	0.000
7.1111	0.470	2.504	828.3	0.000
7.2000	0.473	2.545	846.6	0.000
7.2889	0.476	2.588	865.2	0.000
7.3778	0.479	2.630	884.0	0.000
7.4667	0.482	2.673	903.0	0.000
7.5556	0.485	2.716	922.2	0.000
7.6444	0.488	2.759	941.6	0.000
7.7333	0.491	2.803	961.2	0.000
7.8222	0.494	2.847	981.1	0.000
7.9111	0.497	2.891	1001.	0.000
8.0000	0.500	2.935	1021.	0.000
8.0889	0.503	2.980	1041.	0.000

Upstream POC 5

Bottom Length: 1876.00 ft.
Bottom Width: 20.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0048 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.861	0.000	0.000	0.000
0.1111	0.863	0.095	1.506	0.000
0.2222	0.866	0.191	4.759	0.000
0.3333	0.868	0.288	9.306	0.000
0.4444	0.870	0.384	14.95	0.000
0.5556	0.873	0.481	21.58	0.000
0.6667	0.875	0.579	29.11	0.000
0.7778	0.878	0.676	37.45	0.000
0.8889	0.880	0.774	46.57	0.000
1.0000	0.882	0.872	56.41	0.000
1.1111	0.885	0.970	66.93	0.000
1.2222	0.887	1.068	78.09	0.000
1.3333	0.890	1.167	89.88	0.000
1.4444	0.892	1.266	102.2	0.000
1.5556	0.894	1.365	115.2	0.000
1.6667	0.897	1.465	128.6	0.000
1.7778	0.899	1.565	142.7	0.000
1.8889	0.902	1.665	157.2	0.000
2.0000	0.904	1.765	172.2	0.000
2.1111	0.906	1.866	187.7	0.000
2.2222	0.909	1.967	203.6	0.000
2.3333	0.911	2.068	220.0	0.000
2.4444	0.914	2.169	236.8	0.000
2.5556	0.916	2.271	254.0	0.000
2.6667	0.918	2.373	271.7	0.000
2.7778	0.921	2.475	289.7	0.000
2.8889	0.923	2.578	308.2	0.000
3.0000	0.926	2.680	327.0	0.000
3.1111	0.928	2.784	346.2	0.000
3.2222	0.930	2.887	365.8	0.000
3.3333	0.933	2.990	385.7	0.000
3.4444	0.935	3.094	405.9	0.000
3.5556	0.937	3.198	426.6	0.000
3.6667	0.940	3.303	447.5	0.000
3.7778	0.942	3.407	468.8	0.000
3.8889	0.945	3.512	490.4	0.000
4.0000	0.947	3.617	512.3	0.000
4.1111	0.949	3.723	534.5	0.000
4.2222	0.952	3.828	557.1	0.000
4.3333	0.954	3.934	579.9	0.000

4.4444	0.957	4.040	603.1	0.000
4.5556	0.959	4.147	626.5	0.000
4.6667	0.961	4.254	650.2	0.000
4.7778	0.964	4.361	674.3	0.000
4.8889	0.966	4.468	698.6	0.000
5.0000	0.969	4.575	723.1	0.000
5.1111	0.971	4.683	748.0	0.000
5.2222	0.973	4.791	773.1	0.000
5.3333	0.976	4.900	798.5	0.000
5.4444	0.978	5.008	824.2	0.000
5.5556	0.981	5.117	850.1	0.000
5.6667	0.983	5.226	876.3	0.000
5.7778	0.985	5.336	902.7	0.000
5.8889	0.988	5.445	929.4	0.000
6.0000	0.990	5.555	956.3	0.000
6.1111	0.993	5.665	983.5	0.000
6.2222	0.995	5.776	1011.	0.000
6.3333	0.997	5.887	1038.	0.000
6.4444	1.000	5.998	1066.	0.000
6.5556	1.002	6.109	1094.	0.000
6.6667	1.004	6.220	1123.	0.000
6.7778	1.007	6.332	1151.	0.000
6.8889	1.009	6.444	1180.	0.000
7.0000	1.012	6.557	1209.	0.000
7.1111	1.014	6.669	1239.	0.000
7.2222	1.016	6.782	1268.	0.000
7.3333	1.019	6.895	1298.	0.000
7.4444	1.021	7.009	1328.	0.000
7.5556	1.024	7.122	1358.	0.000
7.6667	1.026	7.236	1389.	0.000
7.7778	1.028	7.350	1419.	0.000
7.8889	1.031	7.465	1450.	0.000
8.0000	1.033	7.580	1481.	0.000
8.1111	1.036	7.694	1513.	0.000
8.2222	1.038	7.810	1544.	0.000
8.3333	1.040	7.925	1576.	0.000
8.4444	1.043	8.041	1608.	0.000
8.5556	1.045	8.157	1640.	0.000
8.6667	1.048	8.273	1672.	0.000
8.7778	1.050	8.390	1705.	0.000
8.8889	1.052	8.507	1738.	0.000
9.0000	1.055	8.624	1771.	0.000
9.1111	1.057	8.741	1804.	0.000
9.2222	1.060	8.859	1838.	0.000
9.3333	1.062	8.977	1871.	0.000
9.4444	1.064	9.095	1905.	0.000
9.5556	1.067	9.213	1939.	0.000
9.6667	1.069	9.332	1973.	0.000
9.7778	1.071	9.451	2008.	0.000
9.8889	1.074	9.570	2042.	0.000
10.000	1.076	9.690	2077.	0.000
10.111	1.079	9.810	2112.	0.000

HMB 5

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 5

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.018	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.046	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.062	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.075	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.086	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.096	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.105	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.113	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.121	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.128	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.135	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.141	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.148	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.153	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.159	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.165	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.170	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.175	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.180	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.185	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.190	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.195	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.199	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.204	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.208	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.212	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.216	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.220	0.000	0.000	0.000	0.000
2.900	0.212	0.455	0.224	0.000	0.000	0.000	0.000
3.000	0.216	0.476	0.228	0.000	0.000	0.000	0.000
3.100	0.220	0.498	0.232	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.236	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.240	0.000	0.000	0.000	0.000
3.400	0.231	0.565	0.244	0.000	0.000	0.000	0.000
3.500	0.235	0.588	0.247	0.000	0.000	0.000	0.000
3.600	0.238	0.612	0.251	0.000	0.000	0.000	0.000
3.700	0.242	0.636	0.254	0.000	0.000	0.000	0.000
3.800	0.246	0.660	0.258	0.000	0.000	0.000	0.000
3.900	0.250	0.685	0.261	0.000	0.000	0.000	0.000
4.000	0.253	0.710	0.265	0.000	0.000	0.000	0.000
4.100	0.257	0.735	0.268	0.000	0.000	0.000	0.000
4.200	0.261	0.761	0.271	0.000	0.000	0.000	0.000
4.300	0.265	0.787	0.275	0.000	0.000	0.000	0.000
4.400	0.268	0.814	0.331	0.000	0.000	0.000	0.000
4.500	0.272	0.841	0.430	0.000	0.000	0.000	0.000

4.600	0.276	0.868	0.558	0.000	0.000	0.000	0.000
4.700	0.280	0.896	0.709	0.000	0.000	0.000	0.000
4.800	0.283	0.924	0.879	0.000	0.000	0.000	0.000
4.900	0.287	0.952	1.006	0.000	0.000	0.000	0.000
5.000	0.291	0.981	1.104	0.000	0.000	0.000	0.000
5.100	0.294	1.010	1.192	0.000	0.000	0.000	0.000
5.200	0.298	1.040	1.273	0.000	0.000	0.000	0.000
5.300	0.302	1.070	1.348	0.000	0.000	0.000	0.000
5.400	0.306	1.100	1.418	0.000	0.000	0.000	0.000
5.500	0.309	1.131	1.485	0.000	0.000	0.000	0.000
5.600	0.313	1.162	1.548	0.000	0.000	0.000	0.000
5.700	0.317	1.193	1.608	0.000	0.000	0.000	0.000
5.800	0.320	1.225	1.666	0.000	0.000	0.000	0.000
5.900	0.324	1.257	1.721	0.000	0.000	0.000	0.000
6.000	0.328	1.290	1.775	0.000	0.000	0.000	0.000
6.100	0.331	1.323	1.953	0.000	0.000	0.000	0.000
6.200	0.335	1.356	2.234	0.000	0.000	0.000	0.000
6.300	0.339	1.390	2.582	0.000	0.000	0.000	0.000
6.400	0.342	1.424	2.984	0.000	0.000	0.000	0.000
6.500	0.346	1.458	3.433	0.000	0.000	0.000	0.000
6.600	0.350	1.493	3.922	0.000	0.000	0.000	0.000
6.700	0.353	1.528	4.449	0.000	0.000	0.000	0.000
6.800	0.357	1.564	5.012	0.000	0.000	0.000	0.000
6.900	0.361	1.600	5.606	0.000	0.000	0.000	0.000
7.000	0.364	1.636	6.232	0.000	0.000	0.000	0.000
7.100	0.368	1.673	6.887	0.000	0.000	0.000	0.000
7.200	0.372	1.710	7.569	0.000	0.000	0.000	0.000
7.300	0.375	1.747	8.278	0.000	0.000	0.000	0.000
7.400	0.379	1.785	9.013	0.000	0.000	0.000	0.000
7.500	0.382	1.823	9.773	0.000	0.000	0.000	0.000
7.600	0.386	1.862	10.56	0.000	0.000	0.000	0.000
7.700	0.390	1.901	11.36	0.000	0.000	0.000	0.000
7.800	0.393	1.940	12.19	0.000	0.000	0.000	0.000
7.900	0.397	1.980	13.04	0.000	0.000	0.000	0.000
8.000	0.401	2.020	13.92	0.000	0.000	0.000	0.000
8.100	0.600	2.800	999.0	0.000	0.000	0.000	0.000

Urban 2

Bottom Length: 585.00 ft.
Bottom Width: 8.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0137 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 5

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.107	0.000	0.000	0.000
0.1111	0.108	0.012	0.887	0.000
0.2222	0.110	0.024	2.795	0.000
0.3333	0.111	0.036	5.451	0.000
0.4444	0.113	0.049	8.740	0.000
0.5556	0.114	0.061	12.59	0.000
0.6667	0.116	0.074	16.95	0.000
0.7778	0.117	0.087	21.78	0.000
0.8889	0.119	0.100	27.05	0.000
1.0000	0.120	0.114	32.74	0.000
1.1111	0.122	0.127	38.82	0.000
1.2222	0.123	0.141	45.29	0.000
1.3333	0.125	0.155	52.12	0.000
1.4444	0.126	0.169	59.30	0.000
1.5556	0.128	0.183	66.83	0.000
1.6667	0.129	0.197	74.70	0.000
1.7778	0.131	0.212	82.89	0.000
1.8889	0.132	0.226	91.40	0.000
2.0000	0.134	0.241	100.2	0.000
2.1111	0.135	0.256	109.3	0.000
2.2222	0.137	0.271	118.8	0.000
2.3333	0.138	0.287	128.5	0.000
2.4444	0.140	0.302	138.5	0.000
2.5556	0.141	0.318	148.9	0.000
2.6667	0.143	0.334	159.5	0.000
2.7778	0.144	0.350	170.4	0.000
2.8889	0.146	0.366	181.6	0.000
3.0000	0.147	0.382	193.1	0.000
3.1111	0.149	0.399	204.9	0.000
3.2222	0.150	0.415	216.9	0.000
3.3333	0.152	0.432	229.2	0.000
3.4444	0.153	0.449	241.9	0.000
3.5556	0.155	0.466	254.8	0.000
3.6667	0.156	0.484	267.9	0.000
3.7778	0.158	0.501	281.4	0.000
3.8889	0.159	0.519	295.1	0.000
4.0000	0.161	0.537	309.2	0.000
4.1111	0.162	0.555	323.4	0.000
4.2222	0.164	0.573	338.0	0.000
4.3333	0.165	0.591	352.9	0.000

4.4444	0.167	0.610	368.0	0.000
4.5556	0.168	0.628	383.4	0.000
4.6667	0.170	0.647	399.1	0.000
4.7778	0.171	0.666	415.1	0.000
4.8889	0.173	0.685	431.3	0.000
5.0000	0.174	0.705	447.9	0.000
5.1111	0.176	0.724	464.7	0.000
5.2222	0.177	0.744	481.8	0.000
5.3333	0.179	0.764	499.1	0.000
5.4444	0.180	0.784	516.8	0.000
5.5556	0.182	0.804	534.7	0.000
5.6667	0.183	0.824	553.0	0.000
5.7778	0.185	0.845	571.5	0.000
5.8889	0.186	0.865	590.3	0.000
6.0000	0.188	0.886	609.3	0.000
6.1111	0.189	0.907	628.7	0.000
6.2222	0.191	0.928	648.4	0.000
6.3333	0.192	0.949	668.3	0.000
6.4444	0.194	0.971	688.5	0.000
6.5556	0.195	0.993	709.1	0.000
6.6667	0.197	1.014	729.9	0.000
6.7778	0.198	1.036	751.0	0.000
6.8889	0.200	1.059	772.4	0.000
7.0000	0.201	1.081	794.1	0.000
7.1111	0.203	1.103	816.1	0.000
7.2222	0.204	1.126	838.4	0.000
7.3333	0.206	1.149	860.9	0.000
7.4444	0.207	1.172	883.8	0.000
7.5556	0.209	1.195	907.0	0.000
7.6667	0.210	1.218	930.5	0.000
7.7778	0.212	1.242	954.3	0.000
7.8889	0.213	1.265	978.3	0.000
8.0000	0.215	1.289	1002.	0.000
8.1111	0.216	1.313	1027.	0.000
8.2222	0.217	1.337	1052.	0.000
8.3333	0.219	1.361	1077.	0.000
8.4444	0.220	1.386	1103.	0.000
8.5556	0.222	1.411	1129.	0.000
8.6667	0.223	1.435	1155.	0.000
8.7778	0.225	1.460	1182.	0.000
8.8889	0.226	1.485	1208.	0.000
9.0000	0.228	1.511	1235.	0.000
9.1111	0.229	1.536	1263.	0.000
9.2222	0.231	1.562	1291.	0.000
9.3333	0.232	1.588	1319.	0.000
9.4444	0.234	1.614	1347.	0.000
9.5556	0.235	1.640	1376.	0.000
9.6667	0.237	1.666	1405.	0.000
9.7778	0.238	1.692	1434.	0.000
9.8889	0.240	1.719	1464.	0.000
10.000	0.241	1.746	1494.	0.000
10.111	0.243	1.773	1524.	0.000

POC 5

Bottom Length: 408.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0055 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.206	0.000	0.000	0.000
0.1667	0.206	0.034	3.045	0.000
0.3333	0.207	0.068	9.602	0.000
0.5000	0.208	0.103	18.74	0.000
0.6667	0.209	0.138	30.07	0.000
0.8333	0.210	0.173	43.33	0.000
1.0000	0.210	0.208	58.34	0.000
1.1667	0.211	0.243	74.95	0.000
1.3333	0.212	0.278	93.05	0.000
1.5000	0.213	0.314	112.5	0.000
1.6667	0.213	0.349	133.3	0.000
1.8333	0.214	0.385	155.4	0.000
2.0000	0.215	0.421	178.6	0.000
2.1667	0.216	0.457	202.9	0.000
2.3333	0.217	0.493	228.4	0.000
2.5000	0.217	0.529	254.8	0.000
2.6667	0.218	0.566	282.3	0.000
2.8333	0.219	0.602	310.6	0.000
3.0000	0.220	0.639	339.9	0.000
3.1667	0.220	0.676	370.1	0.000
3.3333	0.221	0.712	401.2	0.000
3.5000	0.222	0.749	433.1	0.000
3.6667	0.223	0.787	465.8	0.000
3.8333	0.224	0.824	499.3	0.000
4.0000	0.224	0.861	533.5	0.000
4.1667	0.225	0.899	568.5	0.000
4.3333	0.226	0.937	604.2	0.000
4.5000	0.227	0.974	640.6	0.000
4.6667	0.227	1.012	677.8	0.000
4.8333	0.228	1.050	715.6	0.000
5.0000	0.229	1.088	754.0	0.000
5.1667	0.230	1.127	793.2	0.000
5.3333	0.231	1.165	832.9	0.000
5.5000	0.231	1.204	873.3	0.000
5.6667	0.232	1.243	914.3	0.000
5.8333	0.233	1.281	956.0	0.000
6.0000	0.234	1.320	998.2	0.000
6.1667	0.235	1.359	1041.	0.000
6.3333	0.235	1.399	1084.	0.000
6.5000	0.236	1.438	1128.	0.000

6.6667	0.237	1.477	1172.	0.000
6.8333	0.238	1.517	1217.	0.000
7.0000	0.238	1.557	1263.	0.000
7.1667	0.239	1.597	1309.	0.000
7.3333	0.240	1.637	1356.	0.000
7.5000	0.241	1.677	1403.	0.000
7.6667	0.242	1.717	1451.	0.000
7.8333	0.242	1.758	1499.	0.000
8.0000	0.243	1.798	1548.	0.000
8.1667	0.244	1.839	1597.	0.000
8.3333	0.245	1.880	1647.	0.000
8.5000	0.245	1.920	1697.	0.000
8.6667	0.246	1.962	1748.	0.000
8.8333	0.247	2.003	1799.	0.000
9.0000	0.248	2.044	1851.	0.000
9.1667	0.249	2.085	1903.	0.000
9.3333	0.249	2.127	1956.	0.000
9.5000	0.250	2.169	2009.	0.000
9.6667	0.251	2.211	2063.	0.000
9.8333	0.252	2.253	2117.	0.000
10.000	0.253	2.295	2172.	0.000
10.167	0.253	2.337	2227.	0.000
10.333	0.254	2.379	2282.	0.000
10.500	0.255	2.422	2338.	0.000
10.667	0.256	2.464	2394.	0.000
10.833	0.256	2.507	2451.	0.000
11.000	0.257	2.550	2509.	0.000
11.167	0.258	2.593	2566.	0.000
11.333	0.259	2.636	2625.	0.000
11.500	0.260	2.679	2683.	0.000
11.667	0.260	2.723	2742.	0.000
11.833	0.261	2.766	2802.	0.000
12.000	0.262	2.810	2862.	0.000
12.167	0.263	2.854	2922.	0.000
12.333	0.263	2.898	2983.	0.000
12.500	0.264	2.942	3044.	0.000
12.667	0.265	2.986	3106.	0.000
12.833	0.266	3.030	3168.	0.000
13.000	0.267	3.075	3231.	0.000
13.167	0.267	3.119	3294.	0.000
13.333	0.268	3.164	3357.	0.000
13.500	0.269	3.209	3421.	0.000
13.667	0.270	3.254	3485.	0.000
13.833	0.270	3.299	3550.	0.000
14.000	0.271	3.344	3615.	0.000
14.167	0.272	3.389	3680.	0.000
14.333	0.273	3.435	3746.	0.000
14.500	0.274	3.480	3813.	0.000
14.667	0.274	3.526	3879.	0.000
14.833	0.275	3.572	3947.	0.000
15.000	0.276	3.618	4014.	0.000
15.167	0.277	3.664	4082.	0.000

Upstream POC 3/4

Bottom Length: 1443.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0055 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.728	0.000	0.000	0.000
0.1667	0.731	0.121	3.045	0.000
0.3333	0.734	0.243	9.602	0.000
0.5000	0.737	0.366	18.74	0.000
0.6667	0.739	0.489	30.07	0.000
0.8333	0.742	0.613	43.33	0.000
1.0000	0.745	0.737	58.34	0.000
1.1667	0.748	0.861	74.95	0.000
1.3333	0.750	0.986	93.05	0.000
1.5000	0.753	1.111	112.5	0.000
1.6667	0.756	1.237	133.3	0.000
1.8333	0.759	1.364	155.4	0.000
2.0000	0.761	1.490	178.6	0.000
2.1667	0.764	1.617	202.9	0.000
2.3333	0.767	1.745	228.4	0.000
2.5000	0.770	1.873	254.8	0.000
2.6667	0.773	2.002	282.3	0.000
2.8333	0.775	2.131	310.6	0.000
3.0000	0.778	2.260	339.9	0.000
3.1667	0.781	2.390	370.1	0.000
3.3333	0.784	2.521	401.2	0.000
3.5000	0.786	2.652	433.1	0.000
3.6667	0.789	2.783	465.8	0.000
3.8333	0.792	2.915	499.3	0.000
4.0000	0.795	3.047	533.5	0.000
4.1667	0.797	3.180	568.5	0.000
4.3333	0.800	3.313	604.2	0.000
4.5000	0.803	3.447	640.6	0.000
4.6667	0.806	3.581	677.8	0.000
4.8333	0.808	3.716	715.6	0.000
5.0000	0.811	3.851	754.0	0.000
5.1667	0.814	3.986	793.2	0.000
5.3333	0.817	4.122	832.9	0.000
5.5000	0.819	4.258	873.3	0.000
5.6667	0.822	4.395	914.3	0.000
5.8333	0.825	4.533	956.0	0.000
6.0000	0.828	4.671	998.2	0.000
6.1667	0.831	4.809	1041.	0.000
6.3333	0.833	4.948	1084.	0.000
6.5000	0.836	5.087	1128.	0.000

6.6667	0.839	5.226	1172.	0.000
6.8333	0.842	5.366	1217.	0.000
7.0000	0.844	5.507	1263.	0.000
7.1667	0.847	5.648	1309.	0.000
7.3333	0.850	5.790	1356.	0.000
7.5000	0.853	5.931	1403.	0.000
7.6667	0.855	6.074	1451.	0.000
7.8333	0.858	6.217	1499.	0.000
8.0000	0.861	6.360	1548.	0.000
8.1667	0.864	6.504	1597.	0.000
8.3333	0.866	6.648	1647.	0.000
8.5000	0.869	6.793	1697.	0.000
8.6667	0.872	6.938	1748.	0.000
8.8333	0.875	7.084	1799.	0.000
9.0000	0.877	7.230	1851.	0.000
9.1667	0.880	7.376	1903.	0.000
9.3333	0.883	7.523	1956.	0.000
9.5000	0.886	7.671	2009.	0.000
9.6667	0.889	7.819	2063.	0.000
9.8333	0.891	7.967	2117.	0.000
10.000	0.894	8.116	2172.	0.000
10.167	0.897	8.265	2227.	0.000
10.333	0.900	8.415	2282.	0.000
10.500	0.902	8.565	2338.	0.000
10.667	0.905	8.716	2394.	0.000
10.833	0.908	8.867	2451.	0.000
11.000	0.911	9.019	2509.	0.000
11.167	0.913	9.171	2566.	0.000
11.333	0.916	9.323	2625.	0.000
11.500	0.919	9.476	2683.	0.000
11.667	0.922	9.630	2742.	0.000
11.833	0.924	9.784	2802.	0.000
12.000	0.927	9.938	2862.	0.000
12.167	0.930	10.09	2922.	0.000
12.333	0.933	10.24	2983.	0.000
12.500	0.935	10.40	3044.	0.000
12.667	0.938	10.56	3106.	0.000
12.833	0.941	10.71	3168.	0.000
13.000	0.944	10.87	3231.	0.000
13.167	0.947	11.03	3294.	0.000
13.333	0.949	11.19	3357.	0.000
13.500	0.952	11.34	3421.	0.000
13.667	0.955	11.50	3485.	0.000
13.833	0.958	11.66	3550.	0.000
14.000	0.960	11.82	3615.	0.000
14.167	0.963	11.98	3680.	0.000
14.333	0.966	12.14	3746.	0.000
14.500	0.969	12.30	3813.	0.000
14.667	0.971	12.47	3879.	0.000
14.833	0.974	12.63	3947.	0.000
15.000	0.977	12.79	4014.	0.000
15.167	0.980	12.95	4082.	0.000

POC 3/4

Bottom Length: 244.00 ft.
Bottom Width: 22.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0008 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
upstream POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.123	0.000	0.000	0.000
0.3333	0.124	0.041	4.882	0.000
0.6667	0.125	0.082	15.29	0.000
1.0000	0.126	0.124	29.66	0.000
1.3333	0.127	0.166	47.32	0.000
1.6667	0.127	0.209	67.81	0.000
2.0000	0.128	0.252	90.84	0.000
2.3333	0.129	0.295	116.1	0.000
2.6667	0.130	0.338	143.5	0.000
3.0000	0.131	0.382	172.8	0.000
3.3333	0.132	0.426	204.0	0.000
3.6667	0.133	0.470	236.8	0.000
4.0000	0.134	0.515	271.3	0.000
4.3333	0.135	0.560	307.2	0.000
4.6667	0.136	0.605	344.6	0.000
5.0000	0.137	0.651	383.4	0.000
5.3333	0.138	0.697	423.5	0.000
5.6667	0.139	0.743	464.9	0.000
6.0000	0.140	0.789	507.6	0.000
6.3333	0.141	0.836	551.4	0.000
6.6667	0.141	0.883	596.4	0.000
7.0000	0.142	0.931	642.5	0.000
7.3333	0.143	0.979	689.7	0.000
7.6667	0.144	1.027	738.0	0.000
8.0000	0.145	1.075	787.4	0.000
8.3333	0.146	1.124	837.7	0.000
8.6667	0.147	1.173	889.1	0.000
9.0000	0.148	1.222	941.5	0.000
9.3333	0.149	1.272	994.9	0.000
9.6667	0.150	1.322	1049.	0.000
10.000	0.151	1.372	1104.	0.000
10.333	0.152	1.423	1160.	0.000
10.667	0.153	1.473	1217.	0.000
11.000	0.154	1.525	1275.	0.000
11.333	0.155	1.576	1334.	0.000
11.667	0.155	1.628	1394.	0.000
12.000	0.156	1.680	1455.	0.000
12.333	0.157	1.732	1517.	0.000
12.667	0.158	1.785	1579.	0.000
13.000	0.159	1.838	1643.	0.000

13.333	0.160	1.892	1707.	0.000
13.667	0.161	1.945	1772.	0.000
14.000	0.162	1.999	1838.	0.000
14.333	0.163	2.054	1905.	0.000
14.667	0.164	2.108	1973.	0.000
15.000	0.165	2.163	2041.	0.000
15.333	0.166	2.218	2110.	0.000
15.667	0.167	2.274	2181.	0.000
16.000	0.168	2.330	2252.	0.000
16.333	0.169	2.386	2324.	0.000
16.667	0.169	2.443	2396.	0.000
17.000	0.170	2.499	2470.	0.000
17.333	0.171	2.556	2544.	0.000
17.667	0.172	2.614	2619.	0.000
18.000	0.173	2.672	2695.	0.000
18.333	0.174	2.730	2772.	0.000
18.667	0.175	2.788	2850.	0.000
19.000	0.176	2.847	2928.	0.000
19.333	0.177	2.906	3008.	0.000
19.667	0.178	2.965	3088.	0.000
20.000	0.179	3.025	3169.	0.000
20.333	0.180	3.084	3251.	0.000
20.667	0.181	3.145	3333.	0.000
21.000	0.182	3.205	3417.	0.000
21.333	0.183	3.266	3501.	0.000
21.667	0.183	3.327	3586.	0.000
22.000	0.184	3.389	3672.	0.000
22.333	0.185	3.450	3759.	0.000
22.667	0.186	3.513	3846.	0.000
23.000	0.187	3.575	3935.	0.000
23.333	0.188	3.638	4024.	0.000
23.667	0.189	3.701	4114.	0.000
24.000	0.190	3.764	4205.	0.000
24.333	0.191	3.828	4296.	0.000
24.667	0.192	3.892	4389.	0.000
25.000	0.193	3.956	4482.	0.000
25.333	0.194	4.021	4576.	0.000
25.667	0.195	4.085	4671.	0.000
26.000	0.196	4.151	4767.	0.000
26.333	0.197	4.216	4864.	0.000
26.667	0.198	4.282	4961.	0.000
27.000	0.198	4.348	5059.	0.000
27.333	0.199	4.415	5159.	0.000
27.667	0.200	4.481	5258.	0.000
28.000	0.201	4.548	5359.	0.000
28.333	0.202	4.616	5461.	0.000
28.667	0.203	4.683	5563.	0.000
29.000	0.204	4.751	5667.	0.000
29.333	0.205	4.820	5771.	0.000
29.667	0.206	4.888	5876.	0.000
30.000	0.207	4.957	5982.	0.000
30.333	0.208	5.027	6088.	0.000

Urban 3

Bottom Length: 1223.00 ft.
Bottom Width: 6.00 ft.
Manning's n: 0.03
Channel bottom slope 1: 0.0163 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.168	0.000	0.000	0.000
0.0889	0.171	0.015	0.667	0.000
0.1778	0.173	0.030	2.099	0.000
0.2667	0.175	0.045	4.093	0.000
0.3556	0.178	0.061	6.560	0.000
0.4444	0.180	0.077	9.446	0.000
0.5333	0.183	0.093	12.71	0.000
0.6222	0.185	0.110	16.33	0.000
0.7111	0.188	0.126	20.28	0.000
0.8000	0.190	0.143	24.54	0.000
0.8889	0.193	0.160	29.10	0.000
0.9778	0.195	0.178	33.94	0.000
1.0667	0.198	0.195	39.06	0.000
1.1556	0.200	0.213	44.44	0.000
1.2444	0.203	0.231	50.08	0.000
1.3333	0.205	0.249	55.97	0.000
1.4222	0.208	0.268	62.11	0.000
1.5111	0.210	0.286	68.49	0.000
1.6000	0.213	0.305	75.11	0.000
1.6889	0.215	0.324	81.96	0.000
1.7778	0.218	0.343	89.04	0.000
1.8667	0.220	0.363	96.34	0.000
1.9556	0.223	0.383	103.8	0.000
2.0444	0.225	0.403	111.6	0.000
2.1333	0.228	0.423	119.6	0.000
2.2222	0.230	0.443	127.8	0.000
2.3111	0.233	0.464	136.2	0.000
2.4000	0.235	0.485	144.8	0.000
2.4889	0.238	0.506	153.7	0.000
2.5778	0.240	0.527	162.7	0.000
2.6667	0.243	0.549	172.0	0.000
2.7556	0.245	0.570	181.5	0.000
2.8444	0.248	0.592	191.2	0.000
2.9333	0.250	0.615	201.2	0.000
3.0222	0.253	0.637	211.3	0.000
3.1111	0.255	0.660	221.7	0.000
3.2000	0.258	0.682	232.2	0.000
3.2889	0.260	0.705	243.0	0.000
3.3778	0.263	0.729	254.0	0.000
3.4667	0.265	0.752	265.2	0.000

3.5556	0.268	0.776	276.7	0.000
3.6444	0.270	0.800	288.3	0.000
3.7333	0.273	0.824	300.2	0.000
3.8222	0.275	0.849	312.3	0.000
3.9111	0.278	0.873	324.5	0.000
4.0000	0.280	0.898	337.1	0.000
4.0889	0.283	0.923	349.8	0.000
4.1778	0.285	0.948	362.7	0.000
4.2667	0.288	0.974	375.9	0.000
4.3556	0.290	1.000	389.3	0.000
4.4444	0.293	1.026	402.9	0.000
4.5333	0.295	1.052	416.7	0.000
4.6222	0.298	1.078	430.7	0.000
4.7111	0.300	1.105	445.0	0.000
4.8000	0.303	1.132	459.5	0.000
4.8889	0.305	1.159	474.2	0.000
4.9778	0.308	1.186	489.1	0.000
5.0667	0.310	1.214	504.3	0.000
5.1556	0.313	1.241	519.7	0.000
5.2444	0.315	1.269	535.3	0.000
5.3333	0.318	1.297	551.1	0.000
5.4222	0.320	1.326	567.2	0.000
5.5111	0.323	1.354	583.4	0.000
5.6000	0.325	1.383	600.0	0.000
5.6889	0.328	1.412	616.7	0.000
5.7778	0.330	1.442	633.7	0.000
5.8667	0.333	1.471	650.9	0.000
5.9556	0.335	1.501	668.3	0.000
6.0444	0.338	1.531	686.0	0.000
6.1333	0.340	1.561	703.9	0.000
6.2222	0.343	1.591	722.0	0.000
6.3111	0.345	1.622	740.4	0.000
6.4000	0.348	1.653	759.0	0.000
6.4889	0.350	1.684	777.9	0.000
6.5778	0.353	1.715	797.0	0.000
6.6667	0.355	1.747	816.3	0.000
6.7556	0.358	1.778	835.9	0.000
6.8444	0.360	1.810	855.7	0.000
6.9333	0.363	1.843	875.7	0.000
7.0222	0.365	1.875	896.0	0.000
7.1111	0.368	1.908	916.5	0.000
7.2000	0.370	1.940	937.3	0.000
7.2889	0.373	1.973	958.3	0.000
7.3778	0.375	2.007	979.6	0.000
7.4667	0.378	2.040	1001.	0.000
7.5556	0.380	2.074	1022.	0.000
7.6444	0.383	2.108	1044.	0.000
7.7333	0.385	2.142	1067.	0.000
7.8222	0.388	2.176	1089.	0.000
7.9111	0.390	2.211	1112.	0.000
8.0000	0.393	2.246	1135.	0.000
8.0889	0.395	2.281	1158.	0.000

Channel 12

Bottom Length: 3016.00 ft.
Bottom Width: 5.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0146 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
Upstream POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.346	0.000	0.000	0.000
0.0889	0.352	0.031	0.450	0.000
0.1778	0.358	0.062	1.414	0.000
0.2667	0.364	0.094	2.754	0.000
0.3556	0.370	0.127	4.409	0.000
0.4444	0.377	0.160	6.342	0.000
0.5333	0.383	0.194	8.529	0.000
0.6222	0.389	0.228	10.95	0.000
0.7111	0.395	0.263	13.59	0.000
0.8000	0.401	0.299	16.44	0.000
0.8889	0.407	0.335	19.48	0.000
0.9778	0.413	0.371	22.72	0.000
1.0667	0.420	0.408	26.14	0.000
1.1556	0.426	0.446	29.74	0.000
1.2444	0.432	0.484	33.52	0.000
1.3333	0.438	0.523	37.47	0.000
1.4222	0.444	0.562	41.58	0.000
1.5111	0.450	0.602	45.86	0.000
1.6000	0.457	0.642	50.30	0.000
1.6889	0.463	0.683	54.91	0.000
1.7778	0.469	0.724	59.67	0.000
1.8667	0.475	0.766	64.59	0.000
1.9556	0.481	0.809	69.67	0.000
2.0444	0.487	0.852	74.90	0.000
2.1333	0.493	0.896	80.29	0.000
2.2222	0.500	0.940	85.84	0.000
2.3111	0.506	0.985	91.54	0.000
2.4000	0.512	1.030	97.39	0.000
2.4889	0.518	1.076	103.4	0.000
2.5778	0.524	1.122	109.5	0.000
2.6667	0.530	1.169	115.8	0.000
2.7556	0.537	1.216	122.3	0.000
2.8444	0.543	1.264	128.9	0.000
2.9333	0.549	1.313	135.7	0.000
3.0222	0.555	1.362	142.6	0.000
3.1111	0.561	1.412	149.7	0.000
3.2000	0.567	1.462	157.0	0.000
3.2889	0.573	1.513	164.4	0.000
3.3778	0.580	1.564	171.9	0.000
3.4667	0.586	1.616	179.6	0.000

3.5556	0.592	1.668	187.5	0.000
3.6444	0.598	1.721	195.5	0.000
3.7333	0.604	1.775	203.7	0.000
3.8222	0.610	1.829	212.0	0.000
3.9111	0.617	1.883	220.5	0.000
4.0000	0.623	1.938	229.2	0.000
4.0889	0.629	1.994	238.0	0.000
4.1778	0.635	2.050	247.0	0.000
4.2667	0.641	2.107	256.1	0.000
4.3556	0.647	2.164	265.4	0.000
4.4444	0.653	2.222	274.9	0.000
4.5333	0.660	2.280	284.5	0.000
4.6222	0.666	2.339	294.3	0.000
4.7111	0.672	2.399	304.3	0.000
4.8000	0.678	2.459	314.4	0.000
4.8889	0.684	2.520	324.7	0.000
4.9778	0.690	2.581	335.1	0.000
5.0667	0.697	2.642	345.8	0.000
5.1556	0.703	2.705	356.5	0.000
5.2444	0.709	2.767	367.5	0.000
5.3333	0.715	2.831	378.6	0.000
5.4222	0.721	2.895	389.9	0.000
5.5111	0.727	2.959	401.4	0.000
5.6000	0.734	3.024	413.0	0.000
5.6889	0.740	3.089	424.9	0.000
5.7778	0.746	3.156	436.8	0.000
5.8667	0.752	3.222	449.0	0.000
5.9556	0.758	3.289	461.3	0.000
6.0444	0.764	3.357	473.9	0.000
6.1333	0.770	3.425	486.5	0.000
6.2222	0.777	3.494	499.4	0.000
6.3111	0.783	3.563	512.4	0.000
6.4000	0.789	3.633	525.7	0.000
6.4889	0.795	3.704	539.1	0.000
6.5778	0.801	3.775	552.7	0.000
6.6667	0.807	3.846	566.4	0.000
6.7556	0.814	3.918	580.4	0.000
6.8444	0.820	3.991	594.5	0.000
6.9333	0.826	4.064	608.8	0.000
7.0222	0.832	4.138	623.3	0.000
7.1111	0.838	4.212	638.0	0.000
7.2000	0.844	4.287	652.8	0.000
7.2889	0.850	4.362	667.9	0.000
7.3778	0.857	4.438	683.1	0.000
7.4667	0.863	4.515	698.5	0.000
7.5556	0.869	4.592	714.2	0.000
7.6444	0.875	4.669	730.0	0.000
7.7333	0.881	4.747	746.0	0.000
7.8222	0.887	4.826	762.1	0.000
7.9111	0.894	4.905	778.5	0.000
8.0000	0.900	4.985	795.1	0.000
8.0889	0.906	5.065	811.8	0.000

DB 2

Depth: 6 ft.
Element Flows To:
Outlet 1 Outlet 2
Channel 12

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.000	2.670	4.590	10.000	0.000	0.000	0.000	0.000
4.000	3.300	10.55	50.00	0.000	0.000	0.000	0.000
6.000	3.950	17.79	999.0	0.000	0.000	0.000	0.000

HMB 12

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
DB 2

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.340	0.003	0.001	0.000	0.000	0.000	0.000
0.100	0.345	0.033	0.026	0.000	0.000	0.000	0.000
0.200	0.350	0.067	0.074	0.000	0.000	0.000	0.000
0.300	0.355	0.102	0.126	0.000	0.000	0.000	0.000
0.400	0.360	0.137	0.158	0.000	0.000	0.000	0.000
0.500	0.365	0.173	0.184	0.000	0.000	0.000	0.000
0.600	0.370	0.210	0.207	0.000	0.000	0.000	0.000
0.700	0.375	0.247	0.228	0.000	0.000	0.000	0.000
0.800	0.380	0.284	0.247	0.000	0.000	0.000	0.000
0.900	0.385	0.322	0.265	0.000	0.000	0.000	0.000
1.000	0.390	0.360	0.281	0.000	0.000	0.000	0.000
1.100	0.395	0.399	0.297	0.000	0.000	0.000	0.000
1.200	0.400	0.439	0.312	0.000	0.000	0.000	0.000
1.300	0.405	0.479	0.326	0.000	0.000	0.000	0.000
1.400	0.410	0.519	0.340	0.000	0.000	0.000	0.000
1.500	0.415	0.560	0.353	0.000	0.000	0.000	0.000
1.600	0.420	0.602	0.365	0.000	0.000	0.000	0.000
1.700	0.425	0.644	0.378	0.000	0.000	0.000	0.000
1.800	0.430	0.686	0.389	0.000	0.000	0.000	0.000
1.900	0.435	0.729	0.401	0.000	0.000	0.000	0.000
2.000	0.440	0.773	0.412	0.000	0.000	0.000	0.000
2.100	0.445	0.817	0.423	0.000	0.000	0.000	0.000
2.200	0.450	0.861	0.433	0.000	0.000	0.000	0.000
2.300	0.455	0.906	0.444	0.000	0.000	0.000	0.000
2.400	0.460	0.952	0.454	0.000	0.000	0.000	0.000
2.500	0.465	0.998	0.464	0.000	0.000	0.000	0.000
2.600	0.470	1.044	0.473	0.000	0.000	0.000	0.000
2.700	0.475	1.091	0.483	0.000	0.000	0.000	0.000
2.800	0.480	1.139	0.492	0.000	0.000	0.000	0.000
2.900	0.485	1.187	0.501	0.000	0.000	0.000	0.000
3.000	0.490	1.236	0.510	0.000	0.000	0.000	0.000
3.100	0.495	1.285	0.519	0.000	0.000	0.000	0.000
3.200	0.500	1.334	0.528	0.000	0.000	0.000	0.000
3.300	0.505	1.384	0.536	0.000	0.000	0.000	0.000
3.400	0.510	1.435	0.545	0.000	0.000	0.000	0.000
3.500	0.515	1.486	0.553	0.000	0.000	0.000	0.000
3.600	0.520	1.538	0.561	0.000	0.000	0.000	0.000
3.700	0.525	1.590	0.569	0.000	0.000	0.000	0.000
3.800	0.530	1.642	0.577	0.000	0.000	0.000	0.000
3.900	0.535	1.695	0.585	0.000	0.000	0.000	0.000
4.000	0.540	1.749	0.592	0.000	0.000	0.000	0.000
4.100	0.545	1.803	0.705	0.000	0.000	0.000	0.000
4.200	0.550	1.858	0.905	0.000	0.000	0.000	0.000
4.300	0.555	1.913	1.162	0.000	0.000	0.000	0.000
4.400	0.560	1.969	1.465	0.000	0.000	0.000	0.000
4.500	0.565	2.025	1.807	0.000	0.000	0.000	0.000

4.600	0.570	2.082	2.061	0.000	0.000	0.000	0.000
4.700	0.575	2.139	2.259	0.000	0.000	0.000	0.000
4.800	0.580	2.197	2.436	0.000	0.000	0.000	0.000
4.900	0.585	2.255	2.599	0.000	0.000	0.000	0.000
5.000	0.590	2.314	2.749	0.000	0.000	0.000	0.000
5.100	0.595	2.373	2.891	0.000	0.000	0.000	0.000
5.200	0.600	2.432	3.024	0.000	0.000	0.000	0.000
5.300	0.605	2.493	3.152	0.000	0.000	0.000	0.000
5.400	0.610	2.553	3.273	0.000	0.000	0.000	0.000
5.500	0.615	2.615	3.389	0.000	0.000	0.000	0.000
5.600	0.620	2.676	3.501	0.000	0.000	0.000	0.000
5.700	0.625	2.739	3.610	0.000	0.000	0.000	0.000
5.800	0.630	2.802	3.714	0.000	0.000	0.000	0.000
5.900	0.635	2.865	3.816	0.000	0.000	0.000	0.000
6.000	0.640	2.929	3.914	0.000	0.000	0.000	0.000
6.100	0.645	2.993	4.010	0.000	0.000	0.000	0.000
6.200	0.650	3.058	4.104	0.000	0.000	0.000	0.000
6.300	0.655	3.123	4.195	0.000	0.000	0.000	0.000
6.400	0.660	3.189	4.284	0.000	0.000	0.000	0.000
6.500	0.665	3.255	4.371	0.000	0.000	0.000	0.000
6.600	0.670	3.322	4.456	0.000	0.000	0.000	0.000
6.700	0.675	3.389	4.540	0.000	0.000	0.000	0.000
6.800	0.680	3.457	4.622	0.000	0.000	0.000	0.000
6.900	0.685	3.525	4.702	0.000	0.000	0.000	0.000
7.000	0.690	3.594	4.781	0.000	0.000	0.000	0.000
7.100	0.695	3.664	5.186	0.000	0.000	0.000	0.000
7.200	0.700	3.734	5.859	0.000	0.000	0.000	0.000
7.300	0.705	3.804	6.707	0.000	0.000	0.000	0.000
7.400	0.710	3.875	7.696	0.000	0.000	0.000	0.000
7.500	0.715	3.946	8.807	0.000	0.000	0.000	0.000
7.600	0.720	4.018	10.03	0.000	0.000	0.000	0.000
7.700	0.725	4.091	11.35	0.000	0.000	0.000	0.000
7.800	0.730	4.164	12.76	0.000	0.000	0.000	0.000
7.900	0.735	4.237	14.25	0.000	0.000	0.000	0.000
8.000	0.740	4.311	15.83	0.000	0.000	0.000	0.000
8.100	0.800	4.400	999.0	0.000	0.000	0.000	0.000

HMB 4

Depth: 8 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.106	0.008	0.018	0.000	0.000	0.000	0.000
0.200	0.111	0.019	0.046	0.000	0.000	0.000	0.000
0.300	0.116	0.030	0.062	0.000	0.000	0.000	0.000
0.400	0.121	0.042	0.075	0.000	0.000	0.000	0.000
0.500	0.125	0.054	0.086	0.000	0.000	0.000	0.000
0.600	0.130	0.066	0.096	0.000	0.000	0.000	0.000
0.700	0.135	0.080	0.105	0.000	0.000	0.000	0.000
0.800	0.140	0.093	0.113	0.000	0.000	0.000	0.000
0.900	0.145	0.107	0.121	0.000	0.000	0.000	0.000
1.000	0.150	0.122	0.128	0.000	0.000	0.000	0.000
1.100	0.155	0.137	0.135	0.000	0.000	0.000	0.000
1.200	0.160	0.153	0.141	0.000	0.000	0.000	0.000
1.300	0.165	0.169	0.148	0.000	0.000	0.000	0.000
1.400	0.170	0.185	0.153	0.000	0.000	0.000	0.000
1.500	0.175	0.202	0.159	0.000	0.000	0.000	0.000
1.600	0.180	0.220	0.165	0.000	0.000	0.000	0.000
1.700	0.185	0.238	0.170	0.000	0.000	0.000	0.000
1.800	0.190	0.257	0.175	0.000	0.000	0.000	0.000
1.900	0.195	0.276	0.180	0.000	0.000	0.000	0.000
2.000	0.200	0.295	0.185	0.000	0.000	0.000	0.000
2.100	0.205	0.315	0.190	0.000	0.000	0.000	0.000
2.200	0.210	0.336	0.195	0.000	0.000	0.000	0.000
2.300	0.214	0.357	0.199	0.000	0.000	0.000	0.000
2.400	0.219	0.378	0.204	0.000	0.000	0.000	0.000
2.500	0.224	0.400	0.208	0.000	0.000	0.000	0.000
2.600	0.229	0.423	0.212	0.000	0.000	0.000	0.000
2.700	0.234	0.445	0.216	0.000	0.000	0.000	0.000
2.800	0.239	0.469	0.220	0.000	0.000	0.000	0.000
2.900	0.244	0.493	0.224	0.000	0.000	0.000	0.000
3.000	0.249	0.517	0.228	0.000	0.000	0.000	0.000
3.100	0.254	0.542	0.232	0.000	0.000	0.000	0.000
3.200	0.259	0.568	0.236	0.000	0.000	0.000	0.000
3.300	0.263	0.593	0.240	0.000	0.000	0.000	0.000
3.400	0.268	0.620	0.244	0.000	0.000	0.000	0.000
3.500	0.273	0.647	0.247	0.000	0.000	0.000	0.000
3.600	0.278	0.674	0.251	0.000	0.000	0.000	0.000
3.700	0.283	0.702	0.254	0.000	0.000	0.000	0.000
3.800	0.288	0.730	0.284	0.000	0.000	0.000	0.000
3.900	0.293	0.759	0.336	0.000	0.000	0.000	0.000
4.000	0.297	0.788	0.401	0.000	0.000	0.000	0.000
4.100	0.302	0.818	0.479	0.000	0.000	0.000	0.000
4.200	0.307	0.848	0.566	0.000	0.000	0.000	0.000
4.300	0.312	0.879	0.631	0.000	0.000	0.000	0.000
4.400	0.317	0.910	0.682	0.000	0.000	0.000	0.000
4.500	0.322	0.942	0.727	0.000	0.000	0.000	0.000

4.600	0.326	0.974	0.875	0.000	0.000	0.000	0.000
4.700	0.331	1.007	1.106	0.000	0.000	0.000	0.000
4.800	0.336	1.040	1.393	0.000	0.000	0.000	0.000
4.900	0.341	1.074	1.723	0.000	0.000	0.000	0.000
5.000	0.346	1.108	2.091	0.000	0.000	0.000	0.000
5.100	0.351	1.143	2.493	0.000	0.000	0.000	0.000
5.200	0.355	1.178	2.926	0.000	0.000	0.000	0.000
5.300	0.360	1.214	3.388	0.000	0.000	0.000	0.000
5.400	0.365	1.250	3.876	0.000	0.000	0.000	0.000
5.500	0.370	1.287	4.391	0.000	0.000	0.000	0.000
5.600	0.375	1.324	4.929	0.000	0.000	0.000	0.000
5.700	0.379	1.361	5.491	0.000	0.000	0.000	0.000
5.800	0.384	1.399	6.074	0.000	0.000	0.000	0.000
5.900	0.389	1.438	6.679	0.000	0.000	0.000	0.000
6.000	0.394	1.477	7.305	0.000	0.000	0.000	0.000
6.100	0.398	1.517	8.712	0.000	0.000	0.000	0.000
6.200	0.403	1.557	10.66	0.000	0.000	0.000	0.000
6.300	0.408	1.597	13.03	0.000	0.000	0.000	0.000
6.400	0.413	1.638	15.76	0.000	0.000	0.000	0.000
6.500	0.418	1.680	18.79	0.000	0.000	0.000	0.000
6.600	0.422	1.722	22.09	0.000	0.000	0.000	0.000
6.700	0.427	1.764	25.64	0.000	0.000	0.000	0.000
6.800	0.432	1.807	29.42	0.000	0.000	0.000	0.000
6.900	0.437	1.851	33.41	0.000	0.000	0.000	0.000
7.000	0.441	1.895	37.60	0.000	0.000	0.000	0.000
7.100	0.446	1.939	41.98	0.000	0.000	0.000	0.000
7.200	0.451	1.984	46.55	0.000	0.000	0.000	0.000
7.300	0.456	2.030	51.29	0.000	0.000	0.000	0.000
7.400	0.460	2.076	56.20	0.000	0.000	0.000	0.000
7.500	0.465	2.122	61.27	0.000	0.000	0.000	0.000
7.600	0.470	2.169	66.50	0.000	0.000	0.000	0.000
7.700	0.474	2.217	71.89	0.000	0.000	0.000	0.000
7.800	0.479	2.264	77.42	0.000	0.000	0.000	0.000
7.900	0.484	2.313	83.10	0.000	0.000	0.000	0.000
8.000	0.489	2.362	999.0	0.000	0.000	0.000	0.000

SF POC 3/4

Bottom Length: 749.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0214 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.068	0.000	0.000	0.000
0.0889	0.070	0.006	0.434	0.000
0.1778	0.071	0.012	1.363	0.000
0.2667	0.073	0.019	2.649	0.000
0.3556	0.074	0.025	4.235	0.000
0.4444	0.076	0.032	6.085	0.000
0.5333	0.078	0.039	8.176	0.000
0.6222	0.079	0.046	10.48	0.000
0.7111	0.081	0.053	13.01	0.000
0.8000	0.082	0.060	15.73	0.000
0.8889	0.084	0.067	18.64	0.000
0.9778	0.085	0.075	21.74	0.000
1.0667	0.087	0.083	25.02	0.000
1.1556	0.088	0.091	28.47	0.000
1.2444	0.090	0.098	32.09	0.000
1.3333	0.091	0.107	35.88	0.000
1.4222	0.093	0.115	39.84	0.000
1.5111	0.094	0.123	43.97	0.000
1.6000	0.096	0.132	48.25	0.000
1.6889	0.097	0.140	52.70	0.000
1.7778	0.099	0.149	57.32	0.000
1.8667	0.100	0.158	62.09	0.000
1.9556	0.102	0.167	67.02	0.000
2.0444	0.103	0.176	72.12	0.000
2.1333	0.105	0.185	77.37	0.000
2.2222	0.107	0.195	82.79	0.000
2.3111	0.108	0.204	88.37	0.000
2.4000	0.110	0.214	94.10	0.000
2.4889	0.111	0.224	100.0	0.000
2.5778	0.113	0.234	106.0	0.000
2.6667	0.114	0.244	112.2	0.000
2.7556	0.116	0.254	118.6	0.000
2.8444	0.117	0.265	125.2	0.000
2.9333	0.119	0.275	131.9	0.000
3.0222	0.120	0.286	138.8	0.000
3.1111	0.122	0.297	145.8	0.000
3.2000	0.123	0.308	153.0	0.000
3.2889	0.125	0.319	160.4	0.000
3.3778	0.126	0.330	167.9	0.000
3.4667	0.128	0.341	175.7	0.000

3.5556	0.129	0.353	183.5	0.000
3.6444	0.131	0.364	191.6	0.000
3.7333	0.133	0.376	199.8	0.000
3.8222	0.134	0.388	208.2	0.000
3.9111	0.136	0.400	216.8	0.000
4.0000	0.137	0.412	225.5	0.000
4.0889	0.139	0.425	234.4	0.000
4.1778	0.140	0.437	243.5	0.000
4.2667	0.142	0.450	252.8	0.000
4.3556	0.143	0.462	262.3	0.000
4.4444	0.145	0.475	271.9	0.000
4.5333	0.146	0.488	281.7	0.000
4.6222	0.148	0.501	291.7	0.000
4.7111	0.149	0.514	301.8	0.000
4.8000	0.151	0.528	312.2	0.000
4.8889	0.152	0.541	322.7	0.000
4.9778	0.154	0.555	333.5	0.000
5.0667	0.155	0.569	344.4	0.000
5.1556	0.157	0.583	355.5	0.000
5.2444	0.159	0.597	366.7	0.000
5.3333	0.160	0.611	378.2	0.000
5.4222	0.162	0.625	389.9	0.000
5.5111	0.163	0.640	401.7	0.000
5.6000	0.165	0.654	413.7	0.000
5.6889	0.166	0.669	426.0	0.000
5.7778	0.168	0.684	438.4	0.000
5.8667	0.169	0.699	451.0	0.000
5.9556	0.171	0.714	463.8	0.000
6.0444	0.172	0.730	476.9	0.000
6.1333	0.174	0.745	490.1	0.000
6.2222	0.175	0.761	503.5	0.000
6.3111	0.177	0.776	517.1	0.000
6.4000	0.178	0.792	530.9	0.000
6.4889	0.180	0.808	544.9	0.000
6.5778	0.181	0.824	559.1	0.000
6.6667	0.183	0.840	573.5	0.000
6.7556	0.185	0.857	588.2	0.000
6.8444	0.186	0.873	603.0	0.000
6.9333	0.188	0.890	618.0	0.000
7.0222	0.189	0.907	633.3	0.000
7.1111	0.191	0.924	648.7	0.000
7.2000	0.192	0.941	664.4	0.000
7.2889	0.194	0.958	680.2	0.000
7.3778	0.195	0.975	696.3	0.000
7.4667	0.197	0.993	712.6	0.000
7.5556	0.198	1.010	729.1	0.000
7.6444	0.200	1.028	745.9	0.000
7.7333	0.201	1.046	762.8	0.000
7.8222	0.203	1.064	780.0	0.000
7.9111	0.204	1.082	797.3	0.000
8.0000	0.206	1.100	814.9	0.000
8.0889	0.208	1.119	832.8	0.000

POC 11

Bottom Length: 1435.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0223 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
SF POC 3/4

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.131	0.000	0.000	0.000
0.0889	0.134	0.011	0.444	0.000
0.1778	0.137	0.023	1.391	0.000
0.2667	0.140	0.036	2.704	0.000
0.3556	0.143	0.048	4.323	0.000
0.4444	0.146	0.061	6.212	0.000
0.5333	0.149	0.075	8.346	0.000
0.6222	0.152	0.088	10.70	0.000
0.7111	0.155	0.102	13.28	0.000
0.8000	0.158	0.116	16.06	0.000
0.8889	0.161	0.130	19.03	0.000
0.9778	0.164	0.144	22.19	0.000
1.0667	0.166	0.159	25.54	0.000
1.1556	0.169	0.174	29.06	0.000
1.2444	0.172	0.189	32.76	0.000
1.3333	0.175	0.205	36.63	0.000
1.4222	0.178	0.220	40.67	0.000
1.5111	0.181	0.236	44.88	0.000
1.6000	0.184	0.253	49.26	0.000
1.6889	0.187	0.269	53.80	0.000
1.7778	0.190	0.286	58.51	0.000
1.8667	0.193	0.303	63.38	0.000
1.9556	0.196	0.320	68.42	0.000
2.0444	0.199	0.338	73.62	0.000
2.1333	0.202	0.356	78.98	0.000
2.2222	0.205	0.374	84.51	0.000
2.3111	0.207	0.392	90.21	0.000
2.4000	0.210	0.411	96.06	0.000
2.4889	0.213	0.430	102.0	0.000
2.5778	0.216	0.449	108.2	0.000
2.6667	0.219	0.468	114.6	0.000
2.7556	0.222	0.488	121.1	0.000
2.8444	0.225	0.508	127.8	0.000
2.9333	0.228	0.528	134.6	0.000
3.0222	0.231	0.548	141.7	0.000
3.1111	0.234	0.569	148.9	0.000
3.2000	0.237	0.590	156.2	0.000
3.2889	0.240	0.611	163.7	0.000
3.3778	0.243	0.633	171.4	0.000
3.4667	0.246	0.654	179.3	0.000

3.5556	0.248	0.676	187.4	0.000
3.6444	0.251	0.699	195.6	0.000
3.7333	0.254	0.721	204.0	0.000
3.8222	0.257	0.744	212.6	0.000
3.9111	0.260	0.767	221.3	0.000
4.0000	0.263	0.790	230.2	0.000
4.0889	0.266	0.814	239.3	0.000
4.1778	0.269	0.838	248.6	0.000
4.2667	0.272	0.862	258.1	0.000
4.3556	0.275	0.886	267.7	0.000
4.4444	0.278	0.911	277.5	0.000
4.5333	0.281	0.935	287.6	0.000
4.6222	0.284	0.961	297.8	0.000
4.7111	0.287	0.986	308.1	0.000
4.8000	0.289	1.012	318.7	0.000
4.8889	0.292	1.038	329.5	0.000
4.9778	0.295	1.064	340.4	0.000
5.0667	0.298	1.090	351.5	0.000
5.1556	0.301	1.117	362.9	0.000
5.2444	0.304	1.144	374.4	0.000
5.3333	0.307	1.171	386.1	0.000
5.4222	0.310	1.198	398.0	0.000
5.5111	0.313	1.226	410.1	0.000
5.6000	0.316	1.254	422.4	0.000
5.6889	0.319	1.282	434.8	0.000
5.7778	0.322	1.311	447.5	0.000
5.8667	0.325	1.340	460.4	0.000
5.9556	0.328	1.369	473.5	0.000
6.0444	0.331	1.398	486.8	0.000
6.1333	0.333	1.428	500.3	0.000
6.2222	0.336	1.457	513.9	0.000
6.3111	0.339	1.487	527.8	0.000
6.4000	0.342	1.518	541.9	0.000
6.4889	0.345	1.548	556.2	0.000
6.5778	0.348	1.579	570.8	0.000
6.6667	0.351	1.610	585.5	0.000
6.7556	0.354	1.642	600.4	0.000
6.8444	0.357	1.673	615.5	0.000
6.9333	0.360	1.705	630.9	0.000
7.0222	0.363	1.737	646.4	0.000
7.1111	0.366	1.770	662.2	0.000
7.2000	0.369	1.802	678.2	0.000
7.2889	0.372	1.835	694.4	0.000
7.3778	0.374	1.869	710.8	0.000
7.4667	0.377	1.902	727.5	0.000
7.5556	0.380	1.936	744.3	0.000
7.6444	0.383	1.970	761.4	0.000
7.7333	0.386	2.004	778.7	0.000
7.8222	0.389	2.038	796.2	0.000
7.9111	0.392	2.073	813.9	0.000
8.0000	0.395	2.108	831.9	0.000
8.0889	0.398	2.143	850.1	0.000

HMB 11

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 11

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.000	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.013	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.028	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.037	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.044	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.050	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.055	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.060	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.065	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.069	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.073	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.077	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.080	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.084	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.087	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.090	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.093	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.096	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.099	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.102	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.131	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.182	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.247	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.323	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.409	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.474	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.524	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.569	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.610	0.000	0.000	0.000	0.000
2.900	0.212	0.455	0.648	0.000	0.000	0.000	0.000
3.000	0.216	0.476	0.684	0.000	0.000	0.000	0.000
3.100	0.220	0.498	0.718	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.750	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.781	0.000	0.000	0.000	0.000
3.400	0.231	0.565	0.810	0.000	0.000	0.000	0.000
3.500	0.235	0.588	0.839	0.000	0.000	0.000	0.000
3.600	0.238	0.612	1.024	0.000	0.000	0.000	0.000
3.700	0.242	0.636	1.340	0.000	0.000	0.000	0.000
3.800	0.246	0.660	1.739	0.000	0.000	0.000	0.000
3.900	0.250	0.685	2.207	0.000	0.000	0.000	0.000
4.000	0.253	0.710	2.734	0.000	0.000	0.000	0.000
4.100	0.257	0.735	3.313	0.000	0.000	0.000	0.000
4.200	0.261	0.761	3.940	0.000	0.000	0.000	0.000
4.300	0.265	0.787	4.612	0.000	0.000	0.000	0.000
4.400	0.268	0.814	5.324	0.000	0.000	0.000	0.000
4.500	0.272	0.841	6.076	0.000	0.000	0.000	0.000

4.600	0.276	0.868	6.865	0.000	0.000	0.000	0.000
4.700	0.280	0.896	7.689	0.000	0.000	0.000	0.000
4.800	0.283	0.924	8.547	0.000	0.000	0.000	0.000
4.900	0.287	0.952	9.438	0.000	0.000	0.000	0.000
5.000	0.291	0.981	10.36	0.000	0.000	0.000	0.000
5.100	0.294	1.010	12.03	0.000	0.000	0.000	0.000
5.200	0.298	1.040	14.16	0.000	0.000	0.000	0.000
5.300	0.302	1.070	16.72	0.000	0.000	0.000	0.000
5.400	0.306	1.100	19.62	0.000	0.000	0.000	0.000
5.500	0.309	1.131	22.81	0.000	0.000	0.000	0.000
5.600	0.313	1.162	26.26	0.000	0.000	0.000	0.000
5.700	0.317	1.193	29.96	0.000	0.000	0.000	0.000
5.800	0.320	1.225	33.88	0.000	0.000	0.000	0.000
5.900	0.324	1.257	38.01	0.000	0.000	0.000	0.000
6.000	0.328	1.290	42.34	0.000	0.000	0.000	0.000
6.100	0.331	1.323	46.85	0.000	0.000	0.000	0.000
6.200	0.335	1.356	51.55	0.000	0.000	0.000	0.000
6.300	0.339	1.390	56.41	0.000	0.000	0.000	0.000
6.400	0.342	1.424	61.45	0.000	0.000	0.000	0.000
6.500	0.346	1.458	66.64	0.000	0.000	0.000	0.000
6.600	0.350	1.493	71.99	0.000	0.000	0.000	0.000
6.700	0.353	1.528	77.48	0.000	0.000	0.000	0.000
6.800	0.357	1.564	83.13	0.000	0.000	0.000	0.000
6.900	0.361	1.600	88.91	0.000	0.000	0.000	0.000
7.000	0.364	1.636	94.84	0.000	0.000	0.000	0.000
7.100	0.368	1.673	100.9	0.000	0.000	0.000	0.000
7.200	0.372	1.710	107.1	0.000	0.000	0.000	0.000
7.300	0.375	1.747	113.4	0.000	0.000	0.000	0.000
7.400	0.379	1.785	119.9	0.000	0.000	0.000	0.000
7.500	0.382	1.823	126.4	0.000	0.000	0.000	0.000
7.600	0.386	1.862	133.1	0.000	0.000	0.000	0.000
7.700	0.390	1.901	139.9	0.000	0.000	0.000	0.000
7.800	0.393	1.940	146.9	0.000	0.000	0.000	0.000
7.900	0.397	1.980	153.9	0.000	0.000	0.000	0.000
8.000	0.401	2.020	161.1	0.000	0.000	0.000	0.000
8.100	0.600	3.200	999.0	0.000	0.000	0.000	0.000

HMB 10

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 11

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.540	0.005	0.001	0.000	0.000	0.000	0.000
0.200	0.553	0.110	0.099	0.000	0.000	0.000	0.000
0.300	0.560	0.165	0.168	0.000	0.000	0.000	0.000
0.400	0.567	0.221	0.210	0.000	0.000	0.000	0.000
0.500	0.575	0.278	0.246	0.000	0.000	0.000	0.000
0.600	0.582	0.336	0.277	0.000	0.000	0.000	0.000
0.700	0.589	0.394	0.304	0.000	0.000	0.000	0.000
0.800	0.596	0.453	0.330	0.000	0.000	0.000	0.000
0.900	0.603	0.513	0.353	0.000	0.000	0.000	0.000
1.000	0.610	0.573	0.375	0.000	0.000	0.000	0.000
1.100	0.617	0.635	0.396	0.000	0.000	0.000	0.000
1.200	0.624	0.696	0.416	0.000	0.000	0.000	0.000
1.300	0.631	0.759	0.435	0.000	0.000	0.000	0.000
1.400	0.638	0.822	0.453	0.000	0.000	0.000	0.000
1.500	0.645	0.886	0.471	0.000	0.000	0.000	0.000
1.600	0.652	0.951	0.487	0.000	0.000	0.000	0.000
1.700	0.659	1.017	0.504	0.000	0.000	0.000	0.000
1.800	0.666	1.083	0.519	0.000	0.000	0.000	0.000
1.900	0.673	1.150	0.535	0.000	0.000	0.000	0.000
2.000	0.680	1.217	0.549	0.000	0.000	0.000	0.000
2.100	0.687	1.286	0.564	0.000	0.000	0.000	0.000
2.200	0.694	1.355	0.578	0.000	0.000	0.000	0.000
2.300	0.702	1.425	0.592	0.000	0.000	0.000	0.000
2.400	0.709	1.495	0.605	0.000	0.000	0.000	0.000
2.500	0.716	1.566	0.618	0.000	0.000	0.000	0.000
2.600	0.723	1.638	0.631	0.000	0.000	0.000	0.000
2.700	0.730	1.711	0.697	0.000	0.000	0.000	0.000
2.800	0.737	1.784	0.805	0.000	0.000	0.000	0.000
2.900	0.744	1.858	0.942	0.000	0.000	0.000	0.000
3.000	0.751	1.933	1.102	0.000	0.000	0.000	0.000
3.100	0.758	2.009	1.281	0.000	0.000	0.000	0.000
3.200	0.765	2.085	1.477	0.000	0.000	0.000	0.000
3.300	0.773	2.162	1.690	0.000	0.000	0.000	0.000
3.400	0.780	2.240	1.918	0.000	0.000	0.000	0.000
3.500	0.787	2.318	2.132	0.000	0.000	0.000	0.000
3.600	0.794	2.397	2.280	0.000	0.000	0.000	0.000
3.700	0.801	2.477	2.417	0.000	0.000	0.000	0.000
3.800	0.808	2.558	2.545	0.000	0.000	0.000	0.000
3.900	0.815	2.639	2.665	0.000	0.000	0.000	0.000
4.000	0.823	2.721	2.779	0.000	0.000	0.000	0.000
4.100	0.830	2.804	2.888	0.000	0.000	0.000	0.000
4.200	0.837	2.887	2.992	0.000	0.000	0.000	0.000
4.300	0.844	2.971	3.093	0.000	0.000	0.000	0.000
4.400	0.851	3.056	3.189	0.000	0.000	0.000	0.000
4.500	0.858	3.142	3.283	0.000	0.000	0.000	0.000
4.600	0.866	3.228	3.373	0.000	0.000	0.000	0.000

4.700	0.873	3.315	3.461	0.000	0.000	0.000	0.000
4.800	0.880	3.403	3.547	0.000	0.000	0.000	0.000
4.900	0.887	3.491	3.630	0.000	0.000	0.000	0.000
5.000	0.894	3.580	3.711	0.000	0.000	0.000	0.000
5.100	0.901	3.670	4.096	0.000	0.000	0.000	0.000
5.200	0.909	3.761	4.732	0.000	0.000	0.000	0.000
5.300	0.916	3.852	5.531	0.000	0.000	0.000	0.000
5.400	0.923	3.944	6.462	0.000	0.000	0.000	0.000
5.500	0.930	4.037	7.506	0.000	0.000	0.000	0.000
5.600	0.937	4.130	8.652	0.000	0.000	0.000	0.000
5.700	0.945	4.225	9.890	0.000	0.000	0.000	0.000
5.800	0.952	4.319	11.21	0.000	0.000	0.000	0.000
5.900	0.959	4.415	12.62	0.000	0.000	0.000	0.000
6.000	0.966	4.511	14.10	0.000	0.000	0.000	0.000
6.100	0.974	4.608	15.65	0.000	0.000	0.000	0.000
6.200	0.981	4.706	17.26	0.000	0.000	0.000	0.000
6.300	0.988	4.805	18.95	0.000	0.000	0.000	0.000
6.400	0.995	4.904	20.69	0.000	0.000	0.000	0.000
6.500	1.002	5.004	22.50	0.000	0.000	0.000	0.000
6.600	1.010	5.105	24.36	0.000	0.000	0.000	0.000
6.700	1.017	5.206	26.28	0.000	0.000	0.000	0.000
6.800	1.024	5.308	28.26	0.000	0.000	0.000	0.000
6.900	1.031	5.411	30.29	0.000	0.000	0.000	0.000
7.000	1.039	5.514	32.37	0.000	0.000	0.000	0.000
7.100	1.046	5.619	34.50	0.000	0.000	0.000	0.000
7.200	1.053	5.724	36.68	0.000	0.000	0.000	0.000
7.300	1.060	5.829	38.91	0.000	0.000	0.000	0.000
7.400	1.068	5.936	41.19	0.000	0.000	0.000	0.000
7.500	1.075	6.043	43.51	0.000	0.000	0.000	0.000
7.600	1.082	6.151	45.95	0.000	0.000	0.000	0.000
7.700	1.090	6.259	48.75	0.000	0.000	0.000	0.000
7.800	1.097	6.368	52.53	0.000	0.000	0.000	0.000
7.900	1.104	6.478	56.96	0.000	0.000	0.000	0.000
8.000	1.111	6.589	61.89	0.000	0.000	0.000	0.000
8.100	1.119	6.701	999.0	0.000	0.000	0.000	0.000

HMB 3

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 3/4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.018	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.046	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.062	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.075	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.086	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.096	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.105	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.113	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.121	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.128	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.135	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.141	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.148	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.153	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.159	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.165	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.170	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.175	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.180	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.185	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.190	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.195	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.199	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.204	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.208	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.212	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.216	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.220	0.000	0.000	0.000	0.000
2.900	0.212	0.455	0.224	0.000	0.000	0.000	0.000
3.000	0.216	0.476	0.228	0.000	0.000	0.000	0.000
3.100	0.220	0.498	0.232	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.236	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.240	0.000	0.000	0.000	0.000
3.400	0.231	0.565	0.244	0.000	0.000	0.000	0.000
3.500	0.235	0.588	0.247	0.000	0.000	0.000	0.000
3.600	0.238	0.612	0.251	0.000	0.000	0.000	0.000
3.700	0.242	0.636	0.254	0.000	0.000	0.000	0.000
3.800	0.246	0.660	0.258	0.000	0.000	0.000	0.000
3.900	0.250	0.685	0.261	0.000	0.000	0.000	0.000
4.000	0.253	0.710	0.335	0.000	0.000	0.000	0.000
4.100	0.257	0.735	0.467	0.000	0.000	0.000	0.000
4.200	0.261	0.761	0.636	0.000	0.000	0.000	0.000
4.300	0.265	0.787	0.792	0.000	0.000	0.000	0.000
4.400	0.268	0.814	0.896	0.000	0.000	0.000	0.000
4.500	0.272	0.841	0.985	0.000	0.000	0.000	0.000

4.600	0.276	0.868	1.066	0.000	0.000	0.000	0.000
4.700	0.280	0.896	1.139	0.000	0.000	0.000	0.000
4.800	0.283	0.924	1.207	0.000	0.000	0.000	0.000
4.900	0.287	0.952	1.270	0.000	0.000	0.000	0.000
5.000	0.291	0.981	1.330	0.000	0.000	0.000	0.000
5.100	0.294	1.010	1.387	0.000	0.000	0.000	0.000
5.200	0.298	1.040	1.442	0.000	0.000	0.000	0.000
5.300	0.302	1.070	1.494	0.000	0.000	0.000	0.000
5.400	0.306	1.100	1.544	0.000	0.000	0.000	0.000
5.500	0.309	1.131	1.592	0.000	0.000	0.000	0.000
5.600	0.313	1.162	1.797	0.000	0.000	0.000	0.000
5.700	0.317	1.193	2.131	0.000	0.000	0.000	0.000
5.800	0.320	1.225	2.549	0.000	0.000	0.000	0.000
5.900	0.324	1.257	3.035	0.000	0.000	0.000	0.000
6.000	0.328	1.290	3.579	0.000	0.000	0.000	0.000
6.100	0.331	1.323	4.175	0.000	0.000	0.000	0.000
6.200	0.335	1.356	4.819	0.000	0.000	0.000	0.000
6.300	0.339	1.390	5.507	0.000	0.000	0.000	0.000
6.400	0.342	1.424	6.235	0.000	0.000	0.000	0.000
6.500	0.346	1.458	7.003	0.000	0.000	0.000	0.000
6.600	0.350	1.493	7.639	0.000	0.000	0.000	0.000
6.700	0.353	1.528	8.123	0.000	0.000	0.000	0.000
6.800	0.357	1.564	8.576	0.000	0.000	0.000	0.000
6.900	0.361	1.600	9.002	0.000	0.000	0.000	0.000
7.000	0.364	1.636	9.407	0.000	0.000	0.000	0.000
7.100	0.368	1.673	9.793	0.000	0.000	0.000	0.000
7.200	0.372	1.710	10.16	0.000	0.000	0.000	0.000
7.300	0.375	1.747	10.52	0.000	0.000	0.000	0.000
7.400	0.379	1.785	10.86	0.000	0.000	0.000	0.000
7.500	0.382	1.823	11.19	0.000	0.000	0.000	0.000
7.600	0.386	1.862	11.51	0.000	0.000	0.000	0.000
7.700	0.390	1.901	11.83	0.000	0.000	0.000	0.000
7.800	0.393	1.940	12.13	0.000	0.000	0.000	0.000
7.900	0.397	1.980	12.42	0.000	0.000	0.000	0.000
8.000	0.401	2.020	12.71	0.000	0.000	0.000	0.000
8.100	0.404	2.060	999.0	0.000	0.000	0.000	0.000

POC 2

Bottom Length: 350.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0011 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
upstream POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.200	0.000	0.000	0.000
0.3333	0.202	0.067	4.887	0.000
0.6667	0.203	0.134	15.33	0.000
1.0000	0.204	0.202	29.78	0.000
1.3333	0.206	0.271	47.57	0.000
1.6667	0.207	0.340	68.26	0.000
2.0000	0.208	0.409	91.54	0.000
2.3333	0.210	0.479	117.1	0.000
2.6667	0.211	0.549	144.9	0.000
3.0000	0.212	0.620	174.7	0.000
3.3333	0.214	0.691	206.3	0.000
3.6667	0.215	0.763	239.7	0.000
4.0000	0.216	0.835	274.8	0.000
4.3333	0.218	0.908	311.4	0.000
4.6667	0.219	0.981	349.5	0.000
5.0000	0.221	1.054	389.1	0.000
5.3333	0.222	1.128	430.0	0.000
5.6667	0.223	1.202	472.2	0.000
6.0000	0.225	1.277	515.7	0.000
6.3333	0.226	1.352	560.5	0.000
6.6667	0.227	1.428	606.4	0.000
7.0000	0.229	1.504	653.5	0.000
7.3333	0.230	1.581	701.8	0.000
7.6667	0.231	1.658	751.1	0.000
8.0000	0.233	1.735	801.5	0.000
8.3333	0.234	1.813	853.0	0.000
8.6667	0.235	1.891	905.5	0.000
9.0000	0.237	1.970	959.0	0.000
9.3333	0.238	2.049	1013.	0.000
9.6667	0.239	2.129	1068.	0.000
10.000	0.241	2.209	1125.	0.000
10.333	0.242	2.290	1182.	0.000
10.667	0.243	2.371	1241.	0.000
11.000	0.245	2.452	1300.	0.000
11.333	0.246	2.534	1360.	0.000
11.667	0.247	2.617	1421.	0.000
12.000	0.249	2.699	1483.	0.000
12.333	0.250	2.783	1546.	0.000
12.667	0.251	2.866	1609.	0.000
13.000	0.253	2.950	1674.	0.000

13.333	0.254	3.035	1739.	0.000
13.667	0.255	3.120	1806.	0.000
14.000	0.257	3.206	1873.	0.000
14.333	0.258	3.292	1941.	0.000
14.667	0.259	3.378	2009.	0.000
15.000	0.261	3.465	2079.	0.000
15.333	0.262	3.552	2150.	0.000
15.667	0.263	3.640	2221.	0.000
16.000	0.265	3.728	2293.	0.000
16.333	0.266	3.817	2366.	0.000
16.667	0.267	3.906	2439.	0.000
17.000	0.269	3.995	2514.	0.000
17.333	0.270	4.085	2589.	0.000
17.667	0.271	4.175	2665.	0.000
18.000	0.273	4.266	2742.	0.000
18.333	0.274	4.358	2820.	0.000
18.667	0.275	4.449	2899.	0.000
19.000	0.277	4.542	2978.	0.000
19.333	0.278	4.634	3058.	0.000
19.667	0.279	4.727	3139.	0.000
20.000	0.281	4.821	3221.	0.000
20.333	0.282	4.915	3303.	0.000
20.667	0.283	5.009	3387.	0.000
21.000	0.285	5.104	3471.	0.000
21.333	0.286	5.199	3556.	0.000
21.667	0.288	5.295	3641.	0.000
22.000	0.289	5.391	3728.	0.000
22.333	0.290	5.488	3815.	0.000
22.667	0.292	5.585	3903.	0.000
23.000	0.293	5.683	3992.	0.000
23.333	0.294	5.781	4081.	0.000
23.667	0.296	5.879	4172.	0.000
24.000	0.297	5.978	4263.	0.000
24.333	0.298	6.077	4355.	0.000
24.667	0.300	6.177	4448.	0.000
25.000	0.301	6.277	4541.	0.000
25.333	0.302	6.378	4636.	0.000
25.667	0.304	6.479	4731.	0.000
26.000	0.305	6.581	4827.	0.000
26.333	0.306	6.683	4923.	0.000
26.667	0.308	6.785	5021.	0.000
27.000	0.309	6.888	5119.	0.000
27.333	0.310	6.991	5218.	0.000
27.667	0.312	7.095	5318.	0.000
28.000	0.313	7.199	5418.	0.000
28.333	0.314	7.304	5520.	0.000
28.667	0.316	7.409	5622.	0.000
29.000	0.317	7.515	5725.	0.000
29.333	0.318	7.621	5829.	0.000
29.667	0.320	7.727	5934.	0.000
30.000	0.321	7.834	6039.	0.000
30.333	0.322	7.942	6145.	0.000

HMB 2

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 2

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.001	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.022	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.057	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.078	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.094	0.000	0.000	0.000	0.000
0.500	0.119	0.056	0.108	0.000	0.000	0.000	0.000
0.600	0.123	0.068	0.120	0.000	0.000	0.000	0.000
0.700	0.127	0.081	0.131	0.000	0.000	0.000	0.000
0.800	0.131	0.094	0.142	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.151	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.160	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.169	0.000	0.000	0.000	0.000
1.200	0.146	0.150	0.177	0.000	0.000	0.000	0.000
1.300	0.150	0.165	0.184	0.000	0.000	0.000	0.000
1.400	0.154	0.180	0.192	0.000	0.000	0.000	0.000
1.500	0.158	0.196	0.199	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.206	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.213	0.000	0.000	0.000	0.000
1.800	0.169	0.245	0.219	0.000	0.000	0.000	0.000
1.900	0.173	0.262	0.225	0.000	0.000	0.000	0.000
2.000	0.177	0.280	0.231	0.000	0.000	0.000	0.000
2.100	0.181	0.298	0.237	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.243	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.249	0.000	0.000	0.000	0.000
2.400	0.192	0.354	0.254	0.000	0.000	0.000	0.000
2.500	0.196	0.373	0.260	0.000	0.000	0.000	0.000
2.600	0.200	0.393	0.265	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.270	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.276	0.000	0.000	0.000	0.000
2.900	0.211	0.455	0.281	0.000	0.000	0.000	0.000
3.000	0.215	0.476	0.286	0.000	0.000	0.000	0.000
3.100	0.219	0.498	0.290	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.295	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.300	0.000	0.000	0.000	0.000
3.400	0.230	0.565	0.304	0.000	0.000	0.000	0.000
3.500	0.234	0.588	0.309	0.000	0.000	0.000	0.000
3.600	0.238	0.612	0.314	0.000	0.000	0.000	0.000
3.700	0.242	0.636	0.318	0.000	0.000	0.000	0.000
3.800	0.245	0.660	0.322	0.000	0.000	0.000	0.000
3.900	0.249	0.685	0.327	0.000	0.000	0.000	0.000
4.000	0.253	0.710	0.331	0.000	0.000	0.000	0.000
4.100	0.257	0.735	0.335	0.000	0.000	0.000	0.000
4.200	0.260	0.761	0.339	0.000	0.000	0.000	0.000
4.300	0.264	0.787	0.343	0.000	0.000	0.000	0.000
4.400	0.268	0.814	0.347	0.000	0.000	0.000	0.000
4.500	0.272	0.841	0.351	0.000	0.000	0.000	0.000

4.600	0.275	0.868	0.355	0.000	0.000	0.000	0.000
4.700	0.279	0.896	0.359	0.000	0.000	0.000	0.000
4.800	0.283	0.924	0.363	0.000	0.000	0.000	0.000
4.900	0.286	0.952	0.367	0.000	0.000	0.000	0.000
5.000	0.290	0.981	0.371	0.000	0.000	0.000	0.000
5.100	0.294	1.010	0.374	0.000	0.000	0.000	0.000
5.200	0.298	1.040	0.378	0.000	0.000	0.000	0.000
5.300	0.301	1.070	0.382	0.000	0.000	0.000	0.000
5.400	0.305	1.100	0.385	0.000	0.000	0.000	0.000
5.500	0.309	1.131	0.418	0.000	0.000	0.000	0.000
5.600	0.312	1.162	0.517	0.000	0.000	0.000	0.000
5.700	0.316	1.193	0.654	0.000	0.000	0.000	0.000
5.800	0.320	1.225	0.740	0.000	0.000	0.000	0.000
5.900	0.323	1.257	0.810	0.000	0.000	0.000	0.000
6.000	0.327	1.290	0.870	0.000	0.000	0.000	0.000
6.100	0.331	1.323	0.994	0.000	0.000	0.000	0.000
6.200	0.334	1.356	1.172	0.000	0.000	0.000	0.000
6.300	0.338	1.390	1.384	0.000	0.000	0.000	0.000
6.400	0.342	1.424	1.623	0.000	0.000	0.000	0.000
6.500	0.345	1.458	1.887	0.000	0.000	0.000	0.000
6.600	0.349	1.493	2.173	0.000	0.000	0.000	0.000
6.700	0.353	1.528	2.478	0.000	0.000	0.000	0.000
6.800	0.356	1.564	2.802	0.000	0.000	0.000	0.000
6.900	0.360	1.600	3.143	0.000	0.000	0.000	0.000
7.000	0.364	1.636	3.501	0.000	0.000	0.000	0.000
7.100	0.367	1.673	3.874	0.000	0.000	0.000	0.000
7.200	0.371	1.710	4.262	0.000	0.000	0.000	0.000
7.300	0.375	1.747	4.665	0.000	0.000	0.000	0.000
7.400	0.378	1.785	5.081	0.000	0.000	0.000	0.000
7.500	0.382	1.823	5.510	0.000	0.000	0.000	0.000
7.600	0.386	1.862	5.953	0.000	0.000	0.000	0.000
7.700	0.389	1.901	6.408	0.000	0.000	0.000	0.000
7.800	0.393	1.940	6.875	0.000	0.000	0.000	0.000
7.900	0.396	1.980	7.355	0.000	0.000	0.000	0.000
8.000	0.400	2.020	7.845	0.000	0.000	0.000	0.000
8.100	0.404	2.060	999.0	0.000	0.000	0.000	0.000

upstream POC 2

Bottom Length: 950.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.001 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.545	0.000	0.000	0.000
0.3333	0.548	0.182	4.660	0.000
0.6667	0.552	0.365	14.61	0.000
1.0000	0.556	0.550	28.40	0.000
1.3333	0.559	0.736	45.36	0.000
1.6667	0.563	0.923	65.08	0.000
2.0000	0.567	1.112	87.28	0.000
2.3333	0.570	1.301	111.7	0.000
2.6667	0.574	1.492	138.2	0.000
3.0000	0.577	1.684	166.6	0.000
3.3333	0.581	1.878	196.7	0.000
3.6667	0.585	2.072	228.6	0.000
4.0000	0.588	2.268	262.0	0.000
4.3333	0.592	2.465	296.9	0.000
4.6667	0.596	2.663	333.2	0.000
5.0000	0.599	2.862	371.0	0.000
5.3333	0.603	3.063	410.0	0.000
5.6667	0.607	3.264	450.3	0.000
6.0000	0.610	3.467	491.7	0.000
6.3333	0.614	3.671	534.4	0.000
6.6667	0.617	3.877	578.2	0.000
7.0000	0.621	4.083	623.1	0.000
7.3333	0.625	4.291	669.1	0.000
7.6667	0.628	4.500	716.1	0.000
8.0000	0.632	4.710	764.2	0.000
8.3333	0.636	4.922	813.3	0.000
8.6667	0.639	5.134	863.3	0.000
9.0000	0.643	5.348	914.3	0.000
9.3333	0.647	5.563	966.3	0.000
9.6667	0.650	5.780	1019.	0.000
10.000	0.654	5.997	1073.	0.000
10.333	0.657	6.216	1127.	0.000
10.667	0.661	6.436	1183.	0.000
11.000	0.665	6.657	1239.	0.000
11.333	0.668	6.879	1297.	0.000
11.667	0.672	7.103	1355.	0.000
12.000	0.676	7.327	1414.	0.000
12.333	0.679	7.553	1474.	0.000
12.667	0.683	7.781	1534.	0.000
13.000	0.687	8.009	1596.	0.000

13.333	0.690	8.239	1658.	0.000
13.667	0.694	8.469	1722.	0.000
14.000	0.697	8.701	1786.	0.000
14.333	0.701	8.935	1850.	0.000
14.667	0.705	9.169	1916.	0.000
15.000	0.708	9.405	1982.	0.000
15.333	0.712	9.642	2049.	0.000
15.667	0.716	9.880	2117.	0.000
16.000	0.719	10.12	2186.	0.000
16.333	0.723	10.36	2256.	0.000
16.667	0.727	10.60	2326.	0.000
17.000	0.730	10.84	2397.	0.000
17.333	0.734	11.08	2469.	0.000
17.667	0.737	11.33	2541.	0.000
18.000	0.741	11.58	2615.	0.000
18.333	0.745	11.82	2689.	0.000
18.667	0.748	12.07	2764.	0.000
19.000	0.752	12.32	2839.	0.000
19.333	0.756	12.57	2916.	0.000
19.667	0.759	12.83	2993.	0.000
20.000	0.763	13.08	3071.	0.000
20.333	0.767	13.34	3150.	0.000
20.667	0.770	13.59	3229.	0.000
21.000	0.774	13.85	3309.	0.000
21.333	0.777	14.11	3390.	0.000
21.667	0.781	14.37	3472.	0.000
22.000	0.785	14.63	3554.	0.000
22.333	0.788	14.89	3637.	0.000
22.667	0.792	15.16	3721.	0.000
23.000	0.796	15.42	3806.	0.000
23.333	0.799	15.69	3891.	0.000
23.667	0.803	15.95	3978.	0.000
24.000	0.807	16.22	4065.	0.000
24.333	0.810	16.49	4152.	0.000
24.667	0.814	16.76	4241.	0.000
25.000	0.817	17.03	4330.	0.000
25.333	0.821	17.31	4420.	0.000
25.667	0.825	17.58	4510.	0.000
26.000	0.828	17.86	4602.	0.000
26.333	0.832	18.13	4694.	0.000
26.667	0.836	18.41	4787.	0.000
27.000	0.839	18.69	4881.	0.000
27.333	0.843	18.97	4975.	0.000
27.667	0.847	19.25	5070.	0.000
28.000	0.850	19.54	5166.	0.000
28.333	0.854	19.82	5263.	0.000
28.667	0.857	20.11	5360.	0.000
29.000	0.861	20.39	5459.	0.000
29.333	0.865	20.68	5558.	0.000
29.667	0.868	20.97	5657.	0.000
30.000	0.872	21.26	5758.	0.000
30.333	0.876	21.55	5859.	0.000

Trib 9

Bottom Length: 1880.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0298 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.172	0.000	0.000	0.000
0.0889	0.176	0.015	0.513	0.000
0.1778	0.180	0.031	1.609	0.000
0.2667	0.184	0.047	3.126	0.000
0.3556	0.188	0.064	4.997	0.000
0.4444	0.191	0.081	7.181	0.000
0.5333	0.195	0.098	9.648	0.000
0.6222	0.199	0.115	12.37	0.000
0.7111	0.203	0.133	15.35	0.000
0.8000	0.207	0.151	18.56	0.000
0.8889	0.211	0.170	22.00	0.000
0.9778	0.214	0.189	25.65	0.000
1.0667	0.218	0.208	29.52	0.000
1.1556	0.222	0.228	33.59	0.000
1.2444	0.226	0.248	37.87	0.000
1.3333	0.230	0.268	42.34	0.000
1.4222	0.234	0.289	47.02	0.000
1.5111	0.237	0.310	51.88	0.000
1.6000	0.241	0.331	56.94	0.000
1.6889	0.245	0.353	62.19	0.000
1.7778	0.249	0.375	67.64	0.000
1.8667	0.253	0.397	73.27	0.000
1.9556	0.257	0.420	79.09	0.000
2.0444	0.260	0.443	85.10	0.000
2.1333	0.264	0.466	91.31	0.000
2.2222	0.268	0.490	97.70	0.000
2.3111	0.272	0.514	104.2	0.000
2.4000	0.276	0.538	111.0	0.000
2.4889	0.280	0.563	118.0	0.000
2.5778	0.283	0.588	125.1	0.000
2.6667	0.287	0.613	132.5	0.000
2.7556	0.291	0.639	140.0	0.000
2.8444	0.295	0.665	147.7	0.000
2.9333	0.299	0.692	155.7	0.000
3.0222	0.303	0.718	163.8	0.000
3.1111	0.306	0.746	172.1	0.000
3.2000	0.310	0.773	180.6	0.000
3.2889	0.314	0.801	189.3	0.000
3.3778	0.318	0.829	198.2	0.000
3.4667	0.322	0.857	207.3	0.000

3.5556	0.326	0.886	216.6	0.000
3.6444	0.330	0.915	226.1	0.000
3.7333	0.333	0.945	235.8	0.000
3.8222	0.337	0.975	245.7	0.000
3.9111	0.341	1.005	255.8	0.000
4.0000	0.345	1.035	266.1	0.000
4.0889	0.349	1.066	276.7	0.000
4.1778	0.353	1.098	287.4	0.000
4.2667	0.356	1.129	298.3	0.000
4.3556	0.360	1.161	309.5	0.000
4.4444	0.364	1.193	320.8	0.000
4.5333	0.368	1.226	332.4	0.000
4.6222	0.372	1.259	344.2	0.000
4.7111	0.376	1.292	356.2	0.000
4.8000	0.379	1.326	368.4	0.000
4.8889	0.383	1.359	380.9	0.000
4.9778	0.387	1.394	393.5	0.000
5.0667	0.391	1.428	406.4	0.000
5.1556	0.395	1.463	419.5	0.000
5.2444	0.399	1.499	432.8	0.000
5.3333	0.402	1.534	446.3	0.000
5.4222	0.406	1.570	460.1	0.000
5.5111	0.410	1.607	474.0	0.000
5.6000	0.414	1.643	488.2	0.000
5.6889	0.418	1.680	502.7	0.000
5.7778	0.422	1.718	517.3	0.000
5.8667	0.425	1.755	532.2	0.000
5.9556	0.429	1.793	547.4	0.000
6.0444	0.433	1.832	562.7	0.000
6.1333	0.437	1.870	578.3	0.000
6.2222	0.441	1.909	594.1	0.000
6.3111	0.445	1.949	610.2	0.000
6.4000	0.448	1.989	626.5	0.000
6.4889	0.452	2.029	643.0	0.000
6.5778	0.456	2.069	659.8	0.000
6.6667	0.460	2.110	676.8	0.000
6.7556	0.464	2.151	694.1	0.000
6.8444	0.468	2.192	711.6	0.000
6.9333	0.472	2.234	729.3	0.000
7.0222	0.475	2.276	747.3	0.000
7.1111	0.479	2.319	765.5	0.000
7.2000	0.483	2.362	784.0	0.000
7.2889	0.487	2.405	802.7	0.000
7.3778	0.491	2.448	821.7	0.000
7.4667	0.495	2.492	840.9	0.000
7.5556	0.498	2.536	860.4	0.000
7.6444	0.502	2.581	880.2	0.000
7.7333	0.506	2.626	900.2	0.000
7.8222	0.510	2.671	920.4	0.000
7.9111	0.514	2.716	940.9	0.000
8.0000	0.518	2.762	961.7	0.000
8.0889	0.521	2.808	982.7	0.000

upstream POC 1

Bottom Length: 988.00 ft.
Bottom Width: 25.00 ft.
Manning's n: 0.04
Channel bottom slope 1: 0.0071 To 1
Channel Left side slope 0: 0.25 To 1
Channel right side slope 2: 0.25 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.567	0.000	0.000	0.000
0.3333	0.570	0.189	12.41	0.000
0.6667	0.574	0.380	38.95	0.000
1.0000	0.578	0.572	75.67	0.000
1.3333	0.582	0.766	120.8	0.000
1.6667	0.585	0.960	173.4	0.000
2.0000	0.589	1.156	232.5	0.000
2.3333	0.593	1.354	297.6	0.000
2.6667	0.597	1.552	368.2	0.000
3.0000	0.601	1.752	443.9	0.000
3.3333	0.604	1.953	524.3	0.000
3.6667	0.608	2.155	609.1	0.000
4.0000	0.612	2.358	698.2	0.000
4.3333	0.616	2.563	791.2	0.000
4.6667	0.620	2.769	888.0	0.000
5.0000	0.623	2.977	988.5	0.000
5.3333	0.627	3.185	1092.	0.000
5.6667	0.631	3.395	1199.	0.000
6.0000	0.635	3.606	1310.	0.000
6.3333	0.638	3.818	1424.	0.000
6.6667	0.642	4.032	1540.	0.000
7.0000	0.646	4.247	1660.	0.000
7.3333	0.650	4.463	1783.	0.000
7.6667	0.654	4.680	1908.	0.000
8.0000	0.657	4.899	2036.	0.000
8.3333	0.661	5.119	2167.	0.000
8.6667	0.665	5.340	2300.	0.000
9.0000	0.669	5.563	2436.	0.000
9.3333	0.673	5.786	2574.	0.000
9.6667	0.676	6.011	2715.	0.000
10.000	0.680	6.237	2859.	0.000
10.333	0.684	6.465	3004.	0.000
10.667	0.688	6.694	3153.	0.000
11.000	0.691	6.924	3303.	0.000
11.333	0.695	7.155	3456.	0.000
11.667	0.699	7.387	3611.	0.000
12.000	0.703	7.621	3768.	0.000
12.333	0.707	7.856	3928.	0.000
12.667	0.710	8.093	4090.	0.000
13.000	0.714	8.330	4254.	0.000

13.333	0.718	8.569	4420.	0.000
13.667	0.722	8.809	4588.	0.000
14.000	0.725	9.050	4759.	0.000
14.333	0.729	9.293	4931.	0.000
14.667	0.733	9.537	5106.	0.000
15.000	0.737	9.782	5283.	0.000
15.333	0.741	10.02	5462.	0.000
15.667	0.744	10.27	5643.	0.000
16.000	0.748	10.52	5826.	0.000
16.333	0.752	10.77	6011.	0.000
16.667	0.756	11.02	6199.	0.000
17.000	0.760	11.28	6388.	0.000
17.333	0.763	11.53	6579.	0.000
17.667	0.767	11.78	6773.	0.000
18.000	0.771	12.04	6968.	0.000
18.333	0.775	12.30	7166.	0.000
18.667	0.778	12.56	7365.	0.000
19.000	0.782	12.82	7567.	0.000
19.333	0.786	13.08	7770.	0.000
19.667	0.790	13.34	7976.	0.000
20.000	0.794	13.61	8184.	0.000
20.333	0.797	13.87	8393.	0.000
20.667	0.801	14.14	8605.	0.000
21.000	0.805	14.41	8818.	0.000
21.333	0.809	14.68	9034.	0.000
21.667	0.813	14.95	9252.	0.000
22.000	0.816	15.22	9471.	0.000
22.333	0.820	15.49	9693.	0.000
22.667	0.824	15.76	9917.	0.000
23.000	0.828	16.04	10142	0.000
23.333	0.831	16.32	10370	0.000
23.667	0.835	16.59	10600	0.000
24.000	0.839	16.87	10831	0.000
24.333	0.843	17.15	11065	0.000
24.667	0.847	17.44	11300	0.000
25.000	0.850	17.72	11538	0.000
25.333	0.854	18.00	11778	0.000
25.667	0.858	18.29	12019	0.000
26.000	0.862	18.58	12263	0.000
26.333	0.866	18.86	12509	0.000
26.667	0.869	19.15	12756	0.000
27.000	0.873	19.44	13006	0.000
27.333	0.877	19.73	13258	0.000
27.667	0.881	20.03	13511	0.000
28.000	0.884	20.32	13767	0.000
28.333	0.888	20.62	14025	0.000
28.667	0.892	20.91	14284	0.000
29.000	0.896	21.21	14546	0.000
29.333	0.900	21.51	14810	0.000
29.667	0.903	21.81	15075	0.000
30.000	0.907	22.11	15343	0.000
30.333	0.911	22.42	15613	0.000

POC 1

Bottom Length:	988.00 ft.
Bottom Width:	25.00 ft.
Manning's n:	0.04
Channel bottom slope 1:	0.0071 To 1
Channel Left side slope 0:	0.25 To 1
Channel right side slope 2:	0.25 To 1
Discharge Structure	
Riser Height:	0 ft.
Riser Diameter:	0 in.
Element Flows To:	
Outlet 1	Outlet 2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.567	0.000	0.000	0.000
0.3333	0.570	0.189	12.41	0.000
0.6667	0.574	0.380	38.95	0.000
1.0000	0.578	0.572	75.67	0.000
1.3333	0.582	0.766	120.8	0.000
1.6667	0.585	0.960	173.4	0.000
2.0000	0.589	1.156	232.5	0.000
2.3333	0.593	1.354	297.6	0.000
2.6667	0.597	1.552	368.2	0.000
3.0000	0.601	1.752	443.9	0.000
3.3333	0.604	1.953	524.3	0.000
3.6667	0.608	2.155	609.1	0.000
4.0000	0.612	2.358	698.2	0.000
4.3333	0.616	2.563	791.2	0.000
4.6667	0.620	2.769	888.0	0.000
5.0000	0.623	2.977	988.5	0.000
5.3333	0.627	3.185	1092.	0.000
5.6667	0.631	3.395	1199.	0.000
6.0000	0.635	3.606	1310.	0.000
6.3333	0.638	3.818	1424.	0.000
6.6667	0.642	4.032	1540.	0.000
7.0000	0.646	4.247	1660.	0.000
7.3333	0.650	4.463	1783.	0.000
7.6667	0.654	4.680	1908.	0.000
8.0000	0.657	4.899	2036.	0.000
8.3333	0.661	5.119	2167.	0.000
8.6667	0.665	5.340	2300.	0.000
9.0000	0.669	5.563	2436.	0.000
9.3333	0.673	5.786	2574.	0.000
9.6667	0.676	6.011	2715.	0.000
10.000	0.680	6.237	2859.	0.000
10.333	0.684	6.465	3004.	0.000
10.667	0.688	6.694	3153.	0.000
11.000	0.691	6.924	3303.	0.000
11.333	0.695	7.155	3456.	0.000
11.667	0.699	7.387	3611.	0.000
12.000	0.703	7.621	3768.	0.000
12.333	0.707	7.856	3928.	0.000
12.667	0.710	8.093	4090.	0.000
13.000	0.714	8.330	4254.	0.000

13.333	0.718	8.569	4420.	0.000
13.667	0.722	8.809	4588.	0.000
14.000	0.725	9.050	4759.	0.000
14.333	0.729	9.293	4931.	0.000
14.667	0.733	9.537	5106.	0.000
15.000	0.737	9.782	5283.	0.000
15.333	0.741	10.02	5462.	0.000
15.667	0.744	10.27	5643.	0.000
16.000	0.748	10.52	5826.	0.000
16.333	0.752	10.77	6011.	0.000
16.667	0.756	11.02	6199.	0.000
17.000	0.760	11.28	6388.	0.000
17.333	0.763	11.53	6579.	0.000
17.667	0.767	11.78	6773.	0.000
18.000	0.771	12.04	6968.	0.000
18.333	0.775	12.30	7166.	0.000
18.667	0.778	12.56	7365.	0.000
19.000	0.782	12.82	7567.	0.000
19.333	0.786	13.08	7770.	0.000
19.667	0.790	13.34	7976.	0.000
20.000	0.794	13.61	8184.	0.000
20.333	0.797	13.87	8393.	0.000
20.667	0.801	14.14	8605.	0.000
21.000	0.805	14.41	8818.	0.000
21.333	0.809	14.68	9034.	0.000
21.667	0.813	14.95	9252.	0.000
22.000	0.816	15.22	9471.	0.000
22.333	0.820	15.49	9693.	0.000
22.667	0.824	15.76	9917.	0.000
23.000	0.828	16.04	10142	0.000
23.333	0.831	16.32	10370	0.000
23.667	0.835	16.59	10600	0.000
24.000	0.839	16.87	10831	0.000
24.333	0.843	17.15	11065	0.000
24.667	0.847	17.44	11300	0.000
25.000	0.850	17.72	11538	0.000
25.333	0.854	18.00	11778	0.000
25.667	0.858	18.29	12019	0.000
26.000	0.862	18.58	12263	0.000
26.333	0.866	18.86	12509	0.000
26.667	0.869	19.15	12756	0.000
27.000	0.873	19.44	13006	0.000
27.333	0.877	19.73	13258	0.000
27.667	0.881	20.03	13511	0.000
28.000	0.884	20.32	13767	0.000
28.333	0.888	20.62	14025	0.000
28.667	0.892	20.91	14284	0.000
29.000	0.896	21.21	14546	0.000
29.333	0.900	21.51	14810	0.000
29.667	0.903	21.81	15075	0.000
30.000	0.907	22.11	15343	0.000
30.333	0.911	22.42	15613	0.000

Urban 4

Bottom Length: 481.00 ft.
Bottom Width: 4.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0665 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
upstream POC 1

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.044	0.000	0.000	0.000
0.0889	0.045	0.004	0.766	0.000
0.1778	0.046	0.008	2.403	0.000
0.2667	0.047	0.012	4.670	0.000
0.3556	0.048	0.016	7.466	0.000
0.4444	0.049	0.020	10.72	0.000
0.5333	0.050	0.025	14.41	0.000
0.6222	0.051	0.029	18.49	0.000
0.7111	0.052	0.034	22.93	0.000
0.8000	0.053	0.038	27.73	0.000
0.8889	0.054	0.043	32.87	0.000
0.9778	0.055	0.048	38.33	0.000
1.0667	0.056	0.053	44.10	0.000
1.1556	0.056	0.058	50.19	0.000
1.2444	0.057	0.063	56.57	0.000
1.3333	0.058	0.068	63.26	0.000
1.4222	0.059	0.074	70.24	0.000
1.5111	0.060	0.079	77.51	0.000
1.6000	0.061	0.084	85.06	0.000
1.6889	0.062	0.090	92.91	0.000
1.7778	0.063	0.096	101.0	0.000
1.8667	0.064	0.101	109.4	0.000
1.9556	0.065	0.107	118.1	0.000
2.0444	0.066	0.113	127.1	0.000
2.1333	0.067	0.119	136.4	0.000
2.2222	0.068	0.125	145.9	0.000
2.3111	0.069	0.131	155.7	0.000
2.4000	0.070	0.137	165.8	0.000
2.4889	0.071	0.144	176.2	0.000
2.5778	0.072	0.150	186.9	0.000
2.6667	0.073	0.157	197.9	0.000
2.7556	0.074	0.163	209.2	0.000
2.8444	0.075	0.170	220.7	0.000
2.9333	0.076	0.177	232.5	0.000
3.0222	0.077	0.184	244.7	0.000
3.1111	0.078	0.190	257.1	0.000
3.2000	0.079	0.198	269.8	0.000
3.2889	0.080	0.205	282.8	0.000
3.3778	0.081	0.212	296.1	0.000
3.4667	0.082	0.219	309.7	0.000

3.5556	0.083	0.227	323.6	0.000
3.6444	0.084	0.234	337.8	0.000
3.7333	0.085	0.242	352.3	0.000
3.8222	0.086	0.249	367.1	0.000
3.9111	0.087	0.257	382.2	0.000
4.0000	0.088	0.265	397.6	0.000
4.0889	0.089	0.273	413.3	0.000
4.1778	0.090	0.281	429.4	0.000
4.2667	0.091	0.289	445.7	0.000
4.3556	0.092	0.297	462.3	0.000
4.4444	0.093	0.305	479.3	0.000
4.5333	0.094	0.313	496.6	0.000
4.6222	0.095	0.322	514.2	0.000
4.7111	0.096	0.330	532.1	0.000
4.8000	0.097	0.339	550.4	0.000
4.8889	0.098	0.348	569.0	0.000
4.9778	0.099	0.356	587.9	0.000
5.0667	0.100	0.365	607.1	0.000
5.1556	0.101	0.374	626.6	0.000
5.2444	0.102	0.383	646.5	0.000
5.3333	0.103	0.392	666.7	0.000
5.4222	0.104	0.402	687.3	0.000
5.5111	0.105	0.411	708.2	0.000
5.6000	0.106	0.420	729.4	0.000
5.6889	0.107	0.430	750.9	0.000
5.7778	0.108	0.439	772.9	0.000
5.8667	0.109	0.449	795.1	0.000
5.9556	0.110	0.459	817.7	0.000
6.0444	0.111	0.469	840.6	0.000
6.1333	0.112	0.479	863.9	0.000
6.2222	0.113	0.489	887.6	0.000
6.3111	0.114	0.499	911.5	0.000
6.4000	0.115	0.509	935.9	0.000
6.4889	0.116	0.519	960.6	0.000
6.5778	0.117	0.530	985.6	0.000
6.6667	0.118	0.540	1011.	0.000
6.7556	0.119	0.550	1036.	0.000
6.8444	0.120	0.561	1063.	0.000
6.9333	0.121	0.572	1089.	0.000
7.0222	0.121	0.583	1116.	0.000
7.1111	0.122	0.594	1143.	0.000
7.2000	0.123	0.604	1171.	0.000
7.2889	0.124	0.616	1199.	0.000
7.3778	0.125	0.627	1227.	0.000
7.4667	0.126	0.638	1256.	0.000
7.5556	0.127	0.649	1285.	0.000
7.6444	0.128	0.661	1314.	0.000
7.7333	0.129	0.672	1344.	0.000
7.8222	0.130	0.684	1375.	0.000
7.9111	0.131	0.695	1405.	0.000
8.0000	0.132	0.707	1436.	0.000
8.0889	0.133	0.719	1468.	0.000

HMB 9

Depth: 8 ft.
Element Flows To:
Outlet 1 Outlet 2
Trib 9

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.100	0.001	0.000	0.000	0.000	0.000	0.000
0.100	0.104	0.010	0.013	0.000	0.000	0.000	0.000
0.200	0.108	0.021	0.028	0.000	0.000	0.000	0.000
0.300	0.112	0.032	0.037	0.000	0.000	0.000	0.000
0.400	0.116	0.044	0.044	0.000	0.000	0.000	0.000
0.500	0.120	0.056	0.050	0.000	0.000	0.000	0.000
0.600	0.124	0.068	0.055	0.000	0.000	0.000	0.000
0.700	0.128	0.081	0.060	0.000	0.000	0.000	0.000
0.800	0.132	0.094	0.065	0.000	0.000	0.000	0.000
0.900	0.135	0.107	0.069	0.000	0.000	0.000	0.000
1.000	0.139	0.121	0.073	0.000	0.000	0.000	0.000
1.100	0.143	0.135	0.077	0.000	0.000	0.000	0.000
1.200	0.147	0.150	0.080	0.000	0.000	0.000	0.000
1.300	0.151	0.165	0.084	0.000	0.000	0.000	0.000
1.400	0.155	0.180	0.087	0.000	0.000	0.000	0.000
1.500	0.159	0.196	0.090	0.000	0.000	0.000	0.000
1.600	0.162	0.212	0.093	0.000	0.000	0.000	0.000
1.700	0.166	0.228	0.096	0.000	0.000	0.000	0.000
1.800	0.170	0.245	0.099	0.000	0.000	0.000	0.000
1.900	0.174	0.262	0.102	0.000	0.000	0.000	0.000
2.000	0.178	0.280	0.131	0.000	0.000	0.000	0.000
2.100	0.182	0.298	0.182	0.000	0.000	0.000	0.000
2.200	0.185	0.316	0.247	0.000	0.000	0.000	0.000
2.300	0.189	0.335	0.306	0.000	0.000	0.000	0.000
2.400	0.193	0.354	0.347	0.000	0.000	0.000	0.000
2.500	0.197	0.373	0.382	0.000	0.000	0.000	0.000
2.600	0.201	0.393	0.413	0.000	0.000	0.000	0.000
2.700	0.204	0.413	0.442	0.000	0.000	0.000	0.000
2.800	0.208	0.434	0.468	0.000	0.000	0.000	0.000
2.900	0.212	0.455	0.493	0.000	0.000	0.000	0.000
3.000	0.216	0.476	0.517	0.000	0.000	0.000	0.000
3.100	0.220	0.498	0.539	0.000	0.000	0.000	0.000
3.200	0.223	0.520	0.560	0.000	0.000	0.000	0.000
3.300	0.227	0.542	0.581	0.000	0.000	0.000	0.000
3.400	0.231	0.565	0.601	0.000	0.000	0.000	0.000
3.500	0.235	0.588	0.620	0.000	0.000	0.000	0.000
3.600	0.238	0.612	0.726	0.000	0.000	0.000	0.000
3.700	0.242	0.636	0.904	0.000	0.000	0.000	0.000
3.800	0.246	0.660	1.130	0.000	0.000	0.000	0.000
3.900	0.250	0.685	1.393	0.000	0.000	0.000	0.000
4.000	0.253	0.710	1.688	0.000	0.000	0.000	0.000
4.100	0.257	0.735	2.013	0.000	0.000	0.000	0.000
4.200	0.261	0.761	2.364	0.000	0.000	0.000	0.000
4.300	0.265	0.787	2.740	0.000	0.000	0.000	0.000
4.400	0.268	0.814	3.139	0.000	0.000	0.000	0.000
4.500	0.272	0.841	3.559	0.000	0.000	0.000	0.000

4.600	0.276	0.868	4.000	0.000	0.000	0.000	0.000
4.700	0.280	0.896	4.461	0.000	0.000	0.000	0.000
4.800	0.283	0.924	4.940	0.000	0.000	0.000	0.000
4.900	0.287	0.952	5.438	0.000	0.000	0.000	0.000
5.000	0.291	0.981	5.952	0.000	0.000	0.000	0.000
5.100	0.294	1.010	6.484	0.000	0.000	0.000	0.000
5.200	0.298	1.040	7.032	0.000	0.000	0.000	0.000
5.300	0.302	1.070	7.595	0.000	0.000	0.000	0.000
5.400	0.306	1.100	8.174	0.000	0.000	0.000	0.000
5.500	0.309	1.131	8.768	0.000	0.000	0.000	0.000
5.600	0.313	1.162	9.376	0.000	0.000	0.000	0.000
5.700	0.317	1.193	9.999	0.000	0.000	0.000	0.000
5.800	0.320	1.225	11.89	0.000	0.000	0.000	0.000
5.900	0.324	1.257	14.61	0.000	0.000	0.000	0.000
6.000	0.328	1.290	17.99	0.000	0.000	0.000	0.000
6.100	0.331	1.323	21.91	0.000	0.000	0.000	0.000
6.200	0.335	1.356	26.30	0.000	0.000	0.000	0.000
6.300	0.339	1.390	31.10	0.000	0.000	0.000	0.000
6.400	0.342	1.424	36.27	0.000	0.000	0.000	0.000
6.500	0.346	1.458	41.80	0.000	0.000	0.000	0.000
6.600	0.350	1.493	47.65	0.000	0.000	0.000	0.000
6.700	0.353	1.528	53.81	0.000	0.000	0.000	0.000
6.800	0.357	1.564	60.26	0.000	0.000	0.000	0.000
6.900	0.361	1.600	67.00	0.000	0.000	0.000	0.000
7.000	0.364	1.636	74.00	0.000	0.000	0.000	0.000
7.100	0.368	1.673	81.25	0.000	0.000	0.000	0.000
7.200	0.372	1.710	88.76	0.000	0.000	0.000	0.000
7.300	0.375	1.747	96.50	0.000	0.000	0.000	0.000
7.400	0.379	1.785	104.5	0.000	0.000	0.000	0.000
7.500	0.382	1.823	112.7	0.000	0.000	0.000	0.000
7.600	0.386	1.862	121.1	0.000	0.000	0.000	0.000
7.700	0.390	1.901	129.7	0.000	0.000	0.000	0.000
7.800	0.393	1.940	138.6	0.000	0.000	0.000	0.000
7.900	0.397	1.980	147.6	0.000	0.000	0.000	0.000
8.000	0.401	2.020	999.0	0.000	0.000	0.000	0.000

Urban 105

Depth: 10 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 1

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.400	23.00	0.000	0.000	0.000	0.000
1.500	1.700	1.090	54.00	0.000	0.000	0.000	0.000
2.500	1.800	2.320	96.00	0.000	0.000	0.000	0.000
3.500	2.000	4.540	144.0	0.000	0.000	0.000	0.000
5.500	2.200	7.830	195.0	0.000	0.000	0.000	0.000
7.500	3.600	12.26	258.0	0.000	0.000	0.000	0.000
9.500	4.200	18.19	324.0	0.000	0.000	0.000	0.000
10.000	4.500	20.00	999.0	0.000	0.000	0.000	0.000

Urban 103

Depth: 12 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 2

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	2.140	251.0	0.000	0.000	0.000	0.000
1.500	1.700	7.080	520.0	0.000	0.000	0.000	0.000
2.500	1.800	10.91	640.0	0.000	0.000	0.000	0.000
3.500	2.000	15.21	768.0	0.000	0.000	0.000	0.000
5.500	2.200	19.84	880.0	0.000	0.000	0.000	0.000
7.500	3.600	24.92	960.0	0.000	0.000	0.000	0.000
9.500	4.200	30.37	1040	0.000	0.000	0.000	0.000
11.50	5.900	61.40	1392	0.000	0.000	0.000	0.000

Urban 102

Depth: 19.2 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 3

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	1.400	0.014	0.009	0.000	0.000	0.000	0.000
0.200	1.344	0.105	0.844	0.000	0.000	0.000	0.000
0.400	1.386	0.272	2.387	0.000	0.000	0.000	0.000
0.600	1.429	0.448	4.385	0.000	0.000	0.000	0.000
0.800	1.473	0.633	6.751	0.000	0.000	0.000	0.000
1.000	1.518	0.828	9.435	0.000	0.000	0.000	0.000
1.200	1.564	1.034	12.40	0.000	0.000	0.000	0.000
1.400	1.610	1.248	15.63	0.000	0.000	0.000	0.000
1.600	1.658	1.473	19.10	0.000	0.000	0.000	0.000
1.800	1.706	1.707	22.79	0.000	0.000	0.000	0.000
2.000	1.756	1.951	26.69	0.000	0.000	0.000	0.000
2.200	1.806	2.204	30.79	0.000	0.000	0.000	0.000
2.400	1.858	2.468	35.08	0.000	0.000	0.000	0.000
2.600	1.910	2.741	39.63	0.000	0.000	0.000	0.000
2.800	1.963	3.023	42.46	0.000	0.000	0.000	0.000
3.000	2.018	3.316	45.12	0.000	0.000	0.000	0.000
3.200	2.073	3.618	47.63	0.000	0.000	0.000	0.000
3.400	2.129	3.930	50.01	0.000	0.000	0.000	0.000
3.600	2.186	4.251	52.28	0.000	0.000	0.000	0.000
3.800	2.244	4.583	54.46	0.000	0.000	0.000	0.000
4.000	2.303	4.924	56.56	0.000	0.000	0.000	0.000
4.200	2.363	5.274	58.58	0.000	0.000	0.000	0.000
4.400	2.424	5.635	60.53	0.000	0.000	0.000	0.000
4.600	2.485	6.005	62.42	0.000	0.000	0.000	0.000
4.800	2.548	6.385	64.26	0.000	0.000	0.000	0.000
5.000	2.612	6.774	66.05	0.000	0.000	0.000	0.000
5.200	2.676	7.174	67.79	0.000	0.000	0.000	0.000
5.400	2.742	7.583	69.48	0.000	0.000	0.000	0.000
5.600	2.808	8.001	71.13	0.000	0.000	0.000	0.000
5.800	2.876	8.430	72.75	0.000	0.000	0.000	0.000
6.000	2.944	8.868	74.33	0.000	0.000	0.000	0.000
6.200	3.014	9.316	75.88	0.000	0.000	0.000	0.000
6.400	3.084	9.773	77.40	0.000	0.000	0.000	0.000
6.600	3.155	10.24	78.89	0.000	0.000	0.000	0.000
6.800	3.227	10.72	80.35	0.000	0.000	0.000	0.000
7.000	3.300	11.20	81.78	0.000	0.000	0.000	0.000
7.200	3.375	11.70	83.19	0.000	0.000	0.000	0.000
7.400	3.450	12.21	84.58	0.000	0.000	0.000	0.000
7.600	3.525	12.72	85.95	0.000	0.000	0.000	0.000
7.800	3.602	13.25	87.29	0.000	0.000	0.000	0.000
8.000	3.680	13.78	88.61	0.000	0.000	0.000	0.000
8.200	3.759	14.33	89.91	0.000	0.000	0.000	0.000
8.400	3.839	14.88	91.20	0.000	0.000	0.000	0.000
8.600	3.919	15.45	92.47	0.000	0.000	0.000	0.000
8.800	4.001	16.02	93.71	0.000	0.000	0.000	0.000
9.000	4.084	16.61	94.95	0.000	0.000	0.000	0.000

9.200	4.167	17.20	96.17	0.000	0.000	0.000	0.000
9.400	4.252	17.80	97.37	0.000	0.000	0.000	0.000
9.600	4.337	18.41	102.8	0.000	0.000	0.000	0.000
9.800	4.423	19.04	121.6	0.000	0.000	0.000	0.000
10.000	4.511	19.67	148.0	0.000	0.000	0.000	0.000
10.20	4.599	20.31	180.0	0.000	0.000	0.000	0.000
10.40	4.688	20.96	216.9	0.000	0.000	0.000	0.000
10.60	4.778	21.62	258.0	0.000	0.000	0.000	0.000
10.80	4.869	22.30	302.8	0.000	0.000	0.000	0.000
11.00	4.961	22.98	351.2	0.000	0.000	0.000	0.000
11.20	5.054	23.67	402.8	0.000	0.000	0.000	0.000
11.40	5.148	24.37	457.5	0.000	0.000	0.000	0.000
11.60	5.243	25.08	515.1	0.000	0.000	0.000	0.000
11.80	5.339	25.80	575.4	0.000	0.000	0.000	0.000
12.00	5.436	26.53	638.3	0.000	0.000	0.000	0.000
12.20	5.533	27.27	703.8	0.000	0.000	0.000	0.000
12.40	5.632	28.01	771.7	0.000	0.000	0.000	0.000
12.60	5.731	28.77	841.9	0.000	0.000	0.000	0.000
12.80	5.832	29.54	914.4	0.000	0.000	0.000	0.000
13.00	5.933	30.32	989.1	0.000	0.000	0.000	0.000
13.20	6.036	31.11	1065.897	0.000	0.000	0.000	0.000
13.40	6.139	31.90	1144.774	0.000	0.000	0.000	0.000
13.60	6.244	32.71	1225.666	0.000	0.000	0.000	0.000
13.80	6.349	33.53	1308.525	0.000	0.000	0.000	0.000
14.00	6.455	34.36	1393.302	0.000	0.000	0.000	0.000
14.20	6.562	35.19	1479.957	0.000	0.000	0.000	0.000
14.40	6.670	36.04	1568.447	0.000	0.000	0.000	0.000
14.60	6.779	36.89	1658.736	0.000	0.000	0.000	0.000
14.80	6.889	37.76	1750.788	0.000	0.000	0.000	0.000
15.00	7.000	38.63	1844.568	0.000	0.000	0.000	0.000
15.20	7.112	39.52	1940.046	0.000	0.000	0.000	0.000
15.40	7.225	40.41	2037.191	0.000	0.000	0.000	0.000
15.60	7.339	41.32	2135.975	0.000	0.000	0.000	0.000
15.80	7.453	42.23	2236.371	0.000	0.000	0.000	0.000
16.00	7.569	43.15	2338.352	0.000	0.000	0.000	0.000
16.20	7.685	44.09	2441.896	0.000	0.000	0.000	0.000
16.40	7.803	45.03	2546.977	0.000	0.000	0.000	0.000
16.60	7.921	45.98	2653.573	0.000	0.000	0.000	0.000
16.80	8.041	46.95	2761.664	0.000	0.000	0.000	0.000
17.00	8.161	47.92	2871.229	0.000	0.000	0.000	0.000
17.20	8.283	48.90	2982.247	0.000	0.000	0.000	0.000
17.40	8.405	49.89	3094.699	0.000	0.000	0.000	0.000
17.60	8.528	50.89	3208.569	0.000	0.000	0.000	0.000
17.80	8.652	51.90	3323.837	0.000	0.000	0.000	0.000
18.00	8.777	52.92	3440.487	0.000	0.000	0.000	0.000
18.20	8.903	53.96	3558.503	0.000	0.000	0.000	0.000
18.40	9.030	55.00	3677.869	0.000	0.000	0.000	0.000
18.60	9.158	56.05	3798.569	0.000	0.000	0.000	0.000
18.80	9.287	57.10	3920.59	0.000	0.000	0.000	0.000
19.00	9.417	58.17	4043.916	0.000	0.000	0.000	0.000

Urban 101

Depth: 10 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.050	2.100	0.000	0.000	0.000	0.000
1.500	1.700	0.180	5.080	0.000	0.000	0.000	0.000
2.500	1.800	0.420	8.720	0.000	0.000	0.000	0.000
3.500	2.000	0.770	12.92	0.000	0.000	0.000	0.000
5.500	2.200	1.230	29.14	0.000	0.000	0.000	0.000
7.500	3.600	1.800	36.96	0.000	0.000	0.000	0.000
9.500	4.200	2.490	43.21	0.000	0.000	0.000	0.000
10.000	4.500	2.700	999.0	0.000	0.000	0.000	0.000

Urban 100

Depth: 17.5 ft.
Element Flows To:
Outlet 1 Outlet 2
Urban 4

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.500	1.600	0.030	2.850	0.000	0.000	0.000	0.000
1.500	1.700	0.080	4.270	0.000	0.000	0.000	0.000
2.500	1.800	0.170	5.710	0.000	0.000	0.000	0.000
3.500	2.000	0.290	6.840	0.000	0.000	0.000	0.000
5.500	2.200	0.450	7.760	0.000	0.000	0.000	0.000
7.500	3.600	0.650	13.30	0.000	0.000	0.000	0.000
9.500	4.200	0.900	15.99	0.000	0.000	0.000	0.000
11.50	5.900	1.220	18.17	0.000	0.000	0.000	0.000
16.50	7.600	1.600	20.06	0.000	0.000	0.000	0.000

HMB One

Depth: 8.1 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 1

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.150	0.002	0.001	0.000	0.000	0.000	0.000
0.200	0.160	0.030	0.074	0.000	0.000	0.000	0.000
0.300	0.164	0.047	0.126	0.000	0.000	0.000	0.000
0.400	0.169	0.064	0.158	0.000	0.000	0.000	0.000
0.500	0.173	0.081	0.184	0.000	0.000	0.000	0.000
0.600	0.177	0.099	0.207	0.000	0.000	0.000	0.000
0.700	0.182	0.117	0.228	0.000	0.000	0.000	0.000
0.800	0.186	0.136	0.247	0.000	0.000	0.000	0.000
0.900	0.191	0.155	0.265	0.000	0.000	0.000	0.000
1.000	0.195	0.174	0.281	0.000	0.000	0.000	0.000
1.100	0.200	0.194	0.297	0.000	0.000	0.000	0.000
1.200	0.204	0.214	0.312	0.000	0.000	0.000	0.000
1.300	0.209	0.235	0.326	0.000	0.000	0.000	0.000
1.400	0.213	0.256	0.340	0.000	0.000	0.000	0.000
1.500	0.218	0.278	0.353	0.000	0.000	0.000	0.000
1.600	0.222	0.300	0.365	0.000	0.000	0.000	0.000
1.700	0.226	0.322	0.378	0.000	0.000	0.000	0.000
1.800	0.231	0.345	0.389	0.000	0.000	0.000	0.000
1.900	0.235	0.369	0.401	0.000	0.000	0.000	0.000
2.000	0.240	0.393	0.412	0.000	0.000	0.000	0.000
2.100	0.244	0.417	0.423	0.000	0.000	0.000	0.000
2.200	0.249	0.441	0.433	0.000	0.000	0.000	0.000
2.300	0.253	0.467	0.444	0.000	0.000	0.000	0.000
2.400	0.257	0.492	0.454	0.000	0.000	0.000	0.000
2.500	0.262	0.518	0.464	0.000	0.000	0.000	0.000
2.600	0.266	0.544	0.473	0.000	0.000	0.000	0.000
2.700	0.271	0.571	0.483	0.000	0.000	0.000	0.000
2.800	0.275	0.598	0.492	0.000	0.000	0.000	0.000
2.900	0.279	0.626	0.501	0.000	0.000	0.000	0.000
3.000	0.284	0.654	0.510	0.000	0.000	0.000	0.000
3.100	0.288	0.683	0.519	0.000	0.000	0.000	0.000
3.200	0.293	0.712	0.528	0.000	0.000	0.000	0.000
3.300	0.297	0.741	0.536	0.000	0.000	0.000	0.000
3.400	0.301	0.771	0.545	0.000	0.000	0.000	0.000
3.500	0.306	0.801	0.553	0.000	0.000	0.000	0.000
3.600	0.310	0.832	0.561	0.000	0.000	0.000	0.000
3.700	0.314	0.863	0.569	0.000	0.000	0.000	0.000
3.800	0.319	0.895	0.577	0.000	0.000	0.000	0.000
3.900	0.323	0.927	0.585	0.000	0.000	0.000	0.000
4.000	0.327	0.959	0.592	0.000	0.000	0.000	0.000
4.100	0.332	0.992	0.600	0.000	0.000	0.000	0.000
4.200	0.336	1.025	0.607	0.000	0.000	0.000	0.000
4.300	0.340	1.059	0.615	0.000	0.000	0.000	0.000
4.400	0.345	1.093	0.622	0.000	0.000	0.000	0.000
4.500	0.349	1.128	0.629	0.000	0.000	0.000	0.000
4.600	0.353	1.163	0.637	0.000	0.000	0.000	0.000

4.700	0.358	1.198	0.644	0.000	0.000	0.000	0.000
4.800	0.362	1.234	0.651	0.000	0.000	0.000	0.000
4.900	0.366	1.270	0.658	0.000	0.000	0.000	0.000
5.000	0.371	1.307	0.664	0.000	0.000	0.000	0.000
5.100	0.375	1.344	0.671	0.000	0.000	0.000	0.000
5.200	0.379	1.382	0.678	0.000	0.000	0.000	0.000
5.300	0.384	1.420	0.685	0.000	0.000	0.000	0.000
5.400	0.388	1.459	0.691	0.000	0.000	0.000	0.000
5.500	0.392	1.498	0.698	0.000	0.000	0.000	0.000
5.600	0.397	1.537	0.704	0.000	0.000	0.000	0.000
5.700	0.401	1.577	0.711	0.000	0.000	0.000	0.000
5.800	0.405	1.617	0.717	0.000	0.000	0.000	0.000
5.900	0.409	1.657	0.723	0.000	0.000	0.000	0.000
6.000	0.414	1.699	0.729	0.000	0.000	0.000	0.000
6.100	0.418	1.740	0.736	0.000	0.000	0.000	0.000
6.200	0.422	1.782	0.742	0.000	0.000	0.000	0.000
6.300	0.427	1.824	0.748	0.000	0.000	0.000	0.000
6.400	0.431	1.867	0.754	0.000	0.000	0.000	0.000
6.500	0.435	1.910	0.760	0.000	0.000	0.000	0.000
6.600	0.439	1.954	0.766	0.000	0.000	0.000	0.000
6.700	0.444	1.998	0.772	0.000	0.000	0.000	0.000
6.800	0.448	2.043	0.777	0.000	0.000	0.000	0.000
6.900	0.452	2.088	0.783	0.000	0.000	0.000	0.000
7.000	0.456	2.133	0.789	0.000	0.000	0.000	0.000
7.100	0.461	2.179	0.795	0.000	0.000	0.000	0.000
7.200	0.465	2.225	0.800	0.000	0.000	0.000	0.000
7.300	0.469	2.272	0.806	0.000	0.000	0.000	0.000
7.400	0.473	2.319	0.812	0.000	0.000	0.000	0.000
7.500	0.477	2.367	0.817	0.000	0.000	0.000	0.000
7.600	0.482	2.415	0.823	0.000	0.000	0.000	0.000
7.700	0.486	2.463	0.828	0.000	0.000	0.000	0.000
7.800	0.490	2.512	0.834	0.000	0.000	0.000	0.000
7.900	0.494	2.561	0.839	0.000	0.000	0.000	0.000
8.000	0.499	2.611	0.844	0.000	0.000	0.000	0.000
8.100	0.503	2.661	999.0	0.000	0.000	0.000	0.000

DB 9 (was 10)

Depth: 18.2 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 25

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.100	0.310	0.031	0.088	0.000	0.000	0.000	0.000
0.200	0.294	0.439	0.248	0.000	0.000	0.000	0.000
0.400	0.304	0.462	0.702	0.000	0.000	0.000	0.000
0.600	0.313	0.488	1.290	0.000	0.000	0.000	0.000
0.800	0.323	0.518	1.986	0.000	0.000	0.000	0.000
1.000	0.333	0.551	2.775	0.000	0.000	0.000	0.000
1.200	0.343	0.588	3.648	0.000	0.000	0.000	0.000
1.400	0.354	0.629	4.597	0.000	0.000	0.000	0.000
1.600	0.364	0.673	5.616	0.000	0.000	0.000	0.000
1.800	0.375	0.721	6.701	0.000	0.000	0.000	0.000
2.000	0.386	0.772	7.849	0.000	0.000	0.000	0.000
2.200	0.397	0.828	9.055	0.000	0.000	0.000	0.000
2.400	0.408	0.886	10.32	0.000	0.000	0.000	0.000
2.600	0.419	0.949	11.63	0.000	0.000	0.000	0.000
2.800	0.431	1.015	13.00	0.000	0.000	0.000	0.000
3.000	0.442	1.085	14.42	0.000	0.000	0.000	0.000
3.200	0.454	1.158	15.70	0.000	0.000	0.000	0.000
3.400	0.466	1.235	16.59	0.000	0.000	0.000	0.000
3.600	0.478	1.316	17.44	0.000	0.000	0.000	0.000
3.800	0.491	1.400	18.26	0.000	0.000	0.000	0.000
4.000	0.503	1.488	19.03	0.000	0.000	0.000	0.000
4.200	0.516	1.580	19.78	0.000	0.000	0.000	0.000
4.400	0.529	1.675	20.50	0.000	0.000	0.000	0.000
4.600	0.542	1.774	21.19	0.000	0.000	0.000	0.000
4.800	0.555	1.877	21.87	0.000	0.000	0.000	0.000
5.000	0.569	1.983	22.52	0.000	0.000	0.000	0.000
5.200	0.582	2.093	23.15	0.000	0.000	0.000	0.000
5.400	0.596	2.206	24.09	0.000	0.000	0.000	0.000
5.600	0.610	2.323	26.02	0.000	0.000	0.000	0.000
5.800	0.624	2.444	28.49	0.000	0.000	0.000	0.000
6.000	0.638	2.568	31.39	0.000	0.000	0.000	0.000
6.200	0.653	2.696	34.63	0.000	0.000	0.000	0.000
6.400	0.667	2.828	38.17	0.000	0.000	0.000	0.000
6.600	0.682	2.963	41.99	0.000	0.000	0.000	0.000
6.800	0.697	3.102	46.07	0.000	0.000	0.000	0.000
7.000	0.712	3.245	50.37	0.000	0.000	0.000	0.000
7.200	0.727	3.391	54.90	0.000	0.000	0.000	0.000
7.400	0.743	3.541	59.64	0.000	0.000	0.000	0.000
7.600	0.758	3.694	64.58	0.000	0.000	0.000	0.000
7.800	0.774	3.852	69.70	0.000	0.000	0.000	0.000
8.000	0.790	4.012	75.01	0.000	0.000	0.000	0.000
8.200	0.806	4.177	80.49	0.000	0.000	0.000	0.000
8.400	0.822	4.345	86.15	0.000	0.000	0.000	0.000
8.600	0.839	4.517	91.96	0.000	0.000	0.000	0.000
8.800	0.856	4.692	97.94	0.000	0.000	0.000	0.000
9.000	0.872	4.871	103.6	0.000	0.000	0.000	0.000

9.200	0.889	5.054	107.5	0.000	0.000	0.000	0.000
9.400	0.907	5.240	111.3	0.000	0.000	0.000	0.000
9.600	0.924	5.430	118.6	0.000	0.000	0.000	0.000
9.800	0.941	5.624	128.6	0.000	0.000	0.000	0.000
10.000	0.959	5.821	140.5	0.000	0.000	0.000	0.000
10.20	0.977	6.022	153.8	0.000	0.000	0.000	0.000
10.40	0.995	6.226	168.4	0.000	0.000	0.000	0.000
10.60	1.013	6.434	184.1	0.000	0.000	0.000	0.000
10.80	1.031	6.646	200.8	0.000	0.000	0.000	0.000
11.00	1.050	6.861	218.5	0.000	0.000	0.000	0.000
11.20	1.069	7.080	237.0	0.000	0.000	0.000	0.000
11.40	1.088	7.303	256.3	0.000	0.000	0.000	0.000
11.60	1.107	7.530	276.5	0.000	0.000	0.000	0.000
11.80	1.126	7.760	297.4	0.000	0.000	0.000	0.000
12.00	1.145	7.993	319.0	0.000	0.000	0.000	0.000
12.20	1.165	8.230	341.3	0.000	0.000	0.000	0.000
12.40	1.184	8.471	364.3	0.000	0.000	0.000	0.000
12.60	1.204	8.716	388.0	0.000	0.000	0.000	0.000
12.80	1.224	8.964	412.2	0.000	0.000	0.000	0.000
13.00	1.245	9.216	437.1	0.000	0.000	0.000	0.000
13.20	1.265	9.471	462.6	0.000	0.000	0.000	0.000
13.40	1.286	9.730	488.6	0.000	0.000	0.000	0.000
13.60	1.306	9.993	515.2	0.000	0.000	0.000	0.000
13.80	1.327	10.26	542.4	0.000	0.000	0.000	0.000
14.00	1.348	10.53	570.1	0.000	0.000	0.000	0.000
14.20	1.370	10.80	598.3	0.000	0.000	0.000	0.000
14.40	1.391	11.08	627.1	0.000	0.000	0.000	0.000
14.60	1.413	11.36	656.3	0.000	0.000	0.000	0.000
14.80	1.435	11.65	686.1	0.000	0.000	0.000	0.000
15.00	1.457	11.93	716.3	0.000	0.000	0.000	0.000
15.20	1.479	12.23	747.1	0.000	0.000	0.000	0.000
15.40	1.501	12.52	778.3	0.000	0.000	0.000	0.000
15.60	1.523	12.82	809.9	0.000	0.000	0.000	0.000
15.80	1.546	13.12	842.1	0.000	0.000	0.000	0.000
16.00	1.569	13.43	874.6	0.000	0.000	0.000	0.000
16.20	1.592	13.74	907.7	0.000	0.000	0.000	0.000
16.40	1.615	14.05	941.1	0.000	0.000	0.000	0.000
16.60	1.638	14.37	975.0	0.000	0.000	0.000	0.000
16.80	1.662	14.69	1009.352	0.000	0.000	0.000	0.000
17.00	1.685	15.02	1044.099	0.000	0.000	0.000	0.000
17.20	1.709	15.35	1079.264	0.000	0.000	0.000	0.000
17.40	1.733	15.68	1114.84	0.000	0.000	0.000	0.000
17.60	1.757	16.01	1150.824	0.000	0.000	0.000	0.000
17.80	1.782	16.35	1187.209	0.000	0.000	0.000	0.000
18.00	1.806	16.70	1223.991	0.000	0.000	0.000	0.000
18.20	1.831	17.04	9999	0.000	0.000	0.000	0.000

HMB 19 WQ (was 21)

Depth: 10.2 ft.
Element Flows To:
Outlet 1 Outlet 2
DB 6 (was 7)

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.340	0.003	0.001	0.000	0.000	0.000	0.000
0.100	0.346	0.034	0.044	0.000	0.000	0.000	0.000
0.200	0.353	0.069	0.124	0.000	0.000	0.000	0.000
0.300	0.360	0.105	0.228	0.000	0.000	0.000	0.000
0.400	0.367	0.141	0.351	0.000	0.000	0.000	0.000
0.500	0.375	0.178	0.451	0.000	0.000	0.000	0.000
0.600	0.382	0.216	0.523	0.000	0.000	0.000	0.000
0.700	0.389	0.254	0.586	0.000	0.000	0.000	0.000
0.800	0.396	0.293	0.643	0.000	0.000	0.000	0.000
0.900	0.404	0.333	0.695	0.000	0.000	0.000	0.000
1.000	0.411	0.374	0.744	0.000	0.000	0.000	0.000
1.100	0.418	0.415	0.789	0.000	0.000	0.000	0.000
1.200	0.425	0.457	0.832	0.000	0.000	0.000	0.000
1.300	0.433	0.500	0.873	0.000	0.000	0.000	0.000
1.400	0.440	0.544	0.913	0.000	0.000	0.000	0.000
1.500	0.447	0.588	0.950	0.000	0.000	0.000	0.000
1.600	0.454	0.633	0.986	0.000	0.000	0.000	0.000
1.700	0.461	0.679	1.021	0.000	0.000	0.000	0.000
1.800	0.469	0.725	1.055	0.000	0.000	0.000	0.000
1.900	0.476	0.772	1.087	0.000	0.000	0.000	0.000
2.000	0.483	0.820	1.119	0.000	0.000	0.000	0.000
2.100	0.490	0.869	1.150	0.000	0.000	0.000	0.000
2.200	0.498	0.918	1.180	0.000	0.000	0.000	0.000
2.300	0.505	0.968	1.209	0.000	0.000	0.000	0.000
2.400	0.512	1.019	1.238	0.000	0.000	0.000	0.000
2.500	0.519	1.070	1.265	0.000	0.000	0.000	0.000
2.600	0.527	1.123	1.293	0.000	0.000	0.000	0.000
2.700	0.534	1.176	1.320	0.000	0.000	0.000	0.000
2.800	0.541	1.229	1.346	0.000	0.000	0.000	0.000
2.900	0.548	1.284	1.371	0.000	0.000	0.000	0.000
3.000	0.555	1.339	1.397	0.000	0.000	0.000	0.000
3.100	0.563	1.395	1.421	0.000	0.000	0.000	0.000
3.200	0.570	1.451	1.446	0.000	0.000	0.000	0.000
3.300	0.577	1.509	1.470	0.000	0.000	0.000	0.000
3.400	0.584	1.567	1.493	0.000	0.000	0.000	0.000
3.500	0.592	1.625	1.517	0.000	0.000	0.000	0.000
3.600	0.599	1.685	1.539	0.000	0.000	0.000	0.000
3.700	0.606	1.745	1.562	0.000	0.000	0.000	0.000
3.800	0.613	1.806	1.584	0.000	0.000	0.000	0.000
3.900	0.620	1.868	1.606	0.000	0.000	0.000	0.000
4.000	0.628	1.930	1.628	0.000	0.000	0.000	0.000
4.100	0.635	1.993	1.649	0.000	0.000	0.000	0.000
4.200	0.642	2.057	1.670	0.000	0.000	0.000	0.000
4.300	0.649	2.122	1.691	0.000	0.000	0.000	0.000
4.400	0.657	2.187	1.711	0.000	0.000	0.000	0.000
4.500	0.664	2.253	1.732	0.000	0.000	0.000	0.000

4.600	0.671	2.320	1.752	0.000	0.000	0.000	0.000
4.700	0.678	2.387	1.772	0.000	0.000	0.000	0.000
4.800	0.686	2.455	1.791	0.000	0.000	0.000	0.000
4.900	0.693	2.524	1.811	0.000	0.000	0.000	0.000
5.000	0.700	2.594	1.830	0.000	0.000	0.000	0.000
5.100	0.707	2.664	1.849	0.000	0.000	0.000	0.000
5.200	0.714	2.735	1.868	0.000	0.000	0.000	0.000
5.300	0.722	2.807	1.886	0.000	0.000	0.000	0.000
5.400	0.729	2.880	1.905	0.000	0.000	0.000	0.000
5.500	0.736	2.953	1.923	0.000	0.000	0.000	0.000
5.600	0.743	3.027	1.941	0.000	0.000	0.000	0.000
5.700	0.751	3.102	1.959	0.000	0.000	0.000	0.000
5.800	0.758	3.177	1.977	0.000	0.000	0.000	0.000
5.900	0.765	3.253	1.994	0.000	0.000	0.000	0.000
6.000	0.772	3.330	2.012	0.000	0.000	0.000	0.000
6.100	0.780	3.408	2.029	0.000	0.000	0.000	0.000
6.200	0.787	3.486	2.046	0.000	0.000	0.000	0.000
6.300	0.794	3.565	2.063	0.000	0.000	0.000	0.000
6.400	0.801	3.645	2.080	0.000	0.000	0.000	0.000
6.500	0.808	3.725	2.097	0.000	0.000	0.000	0.000
6.600	0.816	3.807	2.113	0.000	0.000	0.000	0.000
6.700	0.823	3.889	2.130	0.000	0.000	0.000	0.000
6.800	0.830	3.971	2.146	0.000	0.000	0.000	0.000
6.900	0.837	4.055	2.162	0.000	0.000	0.000	0.000
7.000	0.845	4.139	2.179	0.000	0.000	0.000	0.000
7.100	0.852	4.224	2.194	0.000	0.000	0.000	0.000
7.200	0.859	4.309	2.210	0.000	0.000	0.000	0.000
7.300	0.866	4.396	2.226	0.000	0.000	0.000	0.000
7.400	0.873	4.483	2.242	0.000	0.000	0.000	0.000
7.500	0.881	4.570	2.257	0.000	0.000	0.000	0.000
7.600	0.888	4.659	2.273	0.000	0.000	0.000	0.000
7.700	0.895	4.748	2.288	0.000	0.000	0.000	0.000
7.800	0.902	4.838	2.303	0.000	0.000	0.000	0.000
7.900	0.910	4.929	2.318	0.000	0.000	0.000	0.000
8.000	0.917	5.020	2.333	0.000	0.000	0.000	0.000
8.200	0.931	5.205	2.363	0.000	0.000	0.000	0.000
8.400	0.946	5.393	2.393	0.000	0.000	0.000	0.000
8.600	0.960	5.584	2.422	0.000	0.000	0.000	0.000
8.800	0.975	5.777	2.450	0.000	0.000	0.000	0.000
9.000	0.989	5.974	2.479	0.000	0.000	0.000	0.000
9.200	1.004	6.173	2.507	0.000	0.000	0.000	0.000
9.400	1.018	6.376	2.534	0.000	0.000	0.000	0.000
9.600	1.033	6.581	2.562	0.000	0.000	0.000	0.000
9.800	1.047	6.789	2.589	0.000	0.000	0.000	0.000
10.000	1.061	7.000	2.616	0.000	0.000	0.000	0.000

DB 6 (was 7)

Depth: 12 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 20 NF

SSD Table Hydraulic Table

Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.600	0.006	0.007	0.000	0.000	0.000	0.000
0.100	0.611	0.060	0.211	0.000	0.000	0.000	0.000
0.200	0.622	0.122	0.596	0.000	0.000	0.000	0.000
0.300	0.633	0.184	1.094	0.000	0.000	0.000	0.000
0.400	0.645	0.248	1.685	0.000	0.000	0.000	0.000
0.500	0.656	0.313	2.355	0.000	0.000	0.000	0.000
0.600	0.667	0.379	3.095	0.000	0.000	0.000	0.000
0.700	0.679	0.446	3.901	0.000	0.000	0.000	0.000
0.800	0.690	0.514	4.766	0.000	0.000	0.000	0.000
0.900	0.702	0.584	5.686	0.000	0.000	0.000	0.000
1.000	0.714	0.655	6.660	0.000	0.000	0.000	0.000
1.100	0.726	0.727	7.459	0.000	0.000	0.000	0.000
1.200	0.738	0.800	8.057	0.000	0.000	0.000	0.000
1.300	0.751	0.874	8.613	0.000	0.000	0.000	0.000
1.400	0.763	0.950	9.136	0.000	0.000	0.000	0.000
1.500	0.775	1.026	9.630	0.000	0.000	0.000	0.000
1.600	0.788	1.104	10.10	0.000	0.000	0.000	0.000
1.700	0.801	1.184	10.55	0.000	0.000	0.000	0.000
1.800	0.814	1.265	10.98	0.000	0.000	0.000	0.000
1.900	0.827	1.346	11.39	0.000	0.000	0.000	0.000
2.000	0.840	1.430	11.79	0.000	0.000	0.000	0.000
2.100	0.853	1.514	12.18	0.000	0.000	0.000	0.000
2.200	0.867	1.600	12.56	0.000	0.000	0.000	0.000
2.300	0.880	1.688	12.92	0.000	0.000	0.000	0.000
2.400	0.894	1.776	13.27	0.000	0.000	0.000	0.000
2.500	0.908	1.866	13.62	0.000	0.000	0.000	0.000
2.600	0.922	1.958	13.96	0.000	0.000	0.000	0.000
2.700	0.936	2.051	14.28	0.000	0.000	0.000	0.000
2.800	0.950	2.145	14.61	0.000	0.000	0.000	0.000
2.900	0.964	2.240	14.92	0.000	0.000	0.000	0.000
3.000	0.978	2.338	15.23	0.000	0.000	0.000	0.000
3.100	0.993	2.436	15.90	0.000	0.000	0.000	0.000
3.200	1.008	2.536	16.87	0.000	0.000	0.000	0.000
3.300	1.022	2.638	18.03	0.000	0.000	0.000	0.000
3.400	1.037	2.741	19.35	0.000	0.000	0.000	0.000
3.500	1.052	2.845	20.80	0.000	0.000	0.000	0.000
3.600	1.067	2.951	22.37	0.000	0.000	0.000	0.000
3.700	1.083	3.059	24.05	0.000	0.000	0.000	0.000
3.800	1.098	3.168	25.83	0.000	0.000	0.000	0.000
3.900	1.114	3.278	27.71	0.000	0.000	0.000	0.000
4.000	1.129	3.390	29.67	0.000	0.000	0.000	0.000
4.100	1.145	3.504	31.72	0.000	0.000	0.000	0.000
4.200	1.161	3.620	33.84	0.000	0.000	0.000	0.000
4.300	1.177	3.736	36.05	0.000	0.000	0.000	0.000
4.400	1.193	3.855	37.99	0.000	0.000	0.000	0.000
4.500	1.209	3.975	39.46	0.000	0.000	0.000	0.000

4.600	1.226	4.097	40.85	0.000	0.000	0.000	0.000
4.700	1.242	4.220	42.19	0.000	0.000	0.000	0.000
4.800	1.259	4.345	43.46	0.000	0.000	0.000	0.000
4.900	1.276	4.472	44.69	0.000	0.000	0.000	0.000
5.000	1.293	4.601	45.88	0.000	0.000	0.000	0.000
5.100	1.310	4.731	47.72	0.000	0.000	0.000	0.000
5.200	1.327	4.863	50.09	0.000	0.000	0.000	0.000
5.300	1.344	4.996	52.80	0.000	0.000	0.000	0.000
5.400	1.362	5.132	55.77	0.000	0.000	0.000	0.000
5.500	1.379	5.269	58.98	0.000	0.000	0.000	0.000
5.600	1.397	5.407	62.40	0.000	0.000	0.000	0.000
5.700	1.414	5.548	66.00	0.000	0.000	0.000	0.000
5.800	1.432	5.690	69.78	0.000	0.000	0.000	0.000
5.900	1.450	5.835	73.72	0.000	0.000	0.000	0.000
6.000	1.469	5.980	77.81	0.000	0.000	0.000	0.000
6.100	1.487	6.128	82.05	0.000	0.000	0.000	0.000
6.200	1.505	6.278	86.43	0.000	0.000	0.000	0.000
6.300	1.524	6.429	90.94	0.000	0.000	0.000	0.000
6.400	1.542	6.583	95.58	0.000	0.000	0.000	0.000
6.500	1.561	6.738	100.3	0.000	0.000	0.000	0.000
6.600	1.580	6.895	105.2	0.000	0.000	0.000	0.000
6.700	1.599	7.054	110.2	0.000	0.000	0.000	0.000
6.800	1.618	7.215	115.3	0.000	0.000	0.000	0.000
6.900	1.638	7.377	120.5	0.000	0.000	0.000	0.000
7.000	1.657	7.542	125.9	0.000	0.000	0.000	0.000
7.200	1.696	7.877	136.8	0.000	0.000	0.000	0.000
7.400	1.736	8.221	148.2	0.000	0.000	0.000	0.000
7.600	1.776	8.572	159.9	0.000	0.000	0.000	0.000
7.800	1.817	8.931	172.1	0.000	0.000	0.000	0.000
8.000	1.858	9.298	184.5	0.000	0.000	0.000	0.000
8.200	1.900	9.674	197.4	0.000	0.000	0.000	0.000
8.400	1.942	10.06	210.5	0.000	0.000	0.000	0.000
8.600	1.984	10.45	225.1	0.000	0.000	0.000	0.000
8.800	2.028	10.85	234.3	0.000	0.000	0.000	0.000
9.000	2.071	11.26	243.1	0.000	0.000	0.000	0.000
9.200	2.115	11.68	253.6	0.000	0.000	0.000	0.000
9.400	2.160	12.11	270.5	0.000	0.000	0.000	0.000
9.600	2.205	12.54	291.0	0.000	0.000	0.000	0.000
9.800	2.251	12.99	314.0	0.000	0.000	0.000	0.000
10.000	2.297	13.44	339.2	0.000	0.000	0.000	0.000
10.20	2.344	13.91	366.4	0.000	0.000	0.000	0.000
10.40	2.391	14.38	395.2	0.000	0.000	0.000	0.000
10.60	2.439	14.86	425.6	0.000	0.000	0.000	0.000
10.80	2.487	15.35	457.6	0.000	0.000	0.000	0.000
11.00	2.536	15.85	490.8	0.000	0.000	0.000	0.000
11.20	2.585	16.37	525.5	0.000	0.000	0.000	0.000
11.40	2.634	16.89	561.3	0.000	0.000	0.000	0.000
11.60	2.685	17.42	598.4	0.000	0.000	0.000	0.000
11.80	2.735	17.96	636.6	0.000	0.000	0.000	0.000

POC 20 NF

Bottom Length: 100.00 ft.
Bottom Width: 10.00 ft.
Manning's n: 0.035
Channel bottom slope 1: 0.0128 To 1
Channel Left side slope 0: 0.5 To 1
Channel right side slope 2: 0.5 To 1
Discharge Structure
Riser Height: 0 ft.
Riser Diameter: 0 in.
Element Flows To:
Outlet 1 Outlet 2
POC 20 NF2

Channel Hydraulic Table

Stage(ft)	Area(ac)	Volume(ac-ft)	Discharge(cfs)	Infilt(cfs)
0.0000	0.023	0.000	0.000	0.000
0.0667	0.023	0.001	0.525	0.000
0.1333	0.023	0.003	1.661	0.000
0.2000	0.023	0.004	3.253	0.000
0.2667	0.023	0.006	5.233	0.000
0.3333	0.023	0.007	7.562	0.000
0.4000	0.023	0.009	10.21	0.000
0.4667	0.024	0.011	13.15	0.000
0.5333	0.024	0.012	16.37	0.000
0.6000	0.024	0.014	19.85	0.000
0.6667	0.024	0.015	23.59	0.000
0.7333	0.024	0.017	27.56	0.000
0.8000	0.024	0.019	31.76	0.000
0.8667	0.025	0.020	36.18	0.000
0.9333	0.025	0.022	40.82	0.000
1.0000	0.025	0.024	45.66	0.000
1.0667	0.025	0.025	50.71	0.000
1.1333	0.025	0.027	55.95	0.000
1.2000	0.025	0.029	61.38	0.000
1.2667	0.025	0.030	67.00	0.000
1.3333	0.026	0.032	72.79	0.000
1.4000	0.026	0.034	78.77	0.000
1.4667	0.026	0.036	84.92	0.000
1.5333	0.026	0.037	91.25	0.000
1.6000	0.026	0.039	97.74	0.000
1.6667	0.026	0.041	104.4	0.000
1.7333	0.026	0.043	111.2	0.000
1.8000	0.027	0.045	118.2	0.000
1.8667	0.027	0.046	125.3	0.000
1.9333	0.027	0.048	132.6	0.000
2.0000	0.027	0.050	140.0	0.000
2.0667	0.027	0.052	147.6	0.000
2.1333	0.027	0.054	155.4	0.000
2.2000	0.028	0.056	163.3	0.000
2.2667	0.028	0.058	171.4	0.000
2.3333	0.028	0.059	179.6	0.000
2.4000	0.028	0.061	187.9	0.000
2.4667	0.028	0.063	196.4	0.000
2.5333	0.028	0.065	205.0	0.000
2.6000	0.028	0.067	213.8	0.000

2.6667	0.029	0.069	222.7	0.000
2.7333	0.029	0.071	231.8	0.000
2.8000	0.029	0.073	241.0	0.000
2.8667	0.029	0.075	250.3	0.000
2.9333	0.029	0.077	259.8	0.000
3.0000	0.029	0.079	269.4	0.000
3.0667	0.030	0.081	279.1	0.000
3.1333	0.030	0.083	289.0	0.000
3.2000	0.030	0.085	299.0	0.000
3.2667	0.030	0.087	309.2	0.000
3.3333	0.030	0.089	319.5	0.000
3.4000	0.030	0.091	329.9	0.000
3.4667	0.030	0.093	340.5	0.000
3.5333	0.031	0.095	351.1	0.000
3.6000	0.031	0.097	362.0	0.000
3.6667	0.031	0.099	372.9	0.000
3.7333	0.031	0.101	384.0	0.000
3.8000	0.031	0.103	395.2	0.000
3.8667	0.031	0.106	406.5	0.000
3.9333	0.032	0.108	418.0	0.000
4.0000	0.032	0.110	429.6	0.000
4.0667	0.032	0.112	441.4	0.000
4.1333	0.032	0.114	453.2	0.000
4.2000	0.032	0.116	465.2	0.000
4.2667	0.032	0.118	477.4	0.000
4.3333	0.032	0.121	489.6	0.000
4.4000	0.033	0.123	502.0	0.000
4.4667	0.033	0.125	514.5	0.000
4.5333	0.033	0.127	527.1	0.000
4.6000	0.033	0.130	539.9	0.000
4.6667	0.033	0.132	552.8	0.000
4.7333	0.033	0.134	565.8	0.000
4.8000	0.034	0.136	579.0	0.000
4.8667	0.034	0.139	592.3	0.000
4.9333	0.034	0.141	605.7	0.000
5.0000	0.034	0.143	619.3	0.000
5.0667	0.034	0.145	632.9	0.000
5.1333	0.034	0.148	646.7	0.000
5.2000	0.034	0.150	660.7	0.000
5.2667	0.035	0.152	674.7	0.000
5.3333	0.035	0.155	688.9	0.000
5.4000	0.035	0.157	703.2	0.000
5.4667	0.035	0.159	717.7	0.000
5.5333	0.035	0.162	732.2	0.000
5.6000	0.035	0.164	746.9	0.000
5.6667	0.036	0.167	761.8	0.000
5.7333	0.036	0.169	776.7	0.000
5.8000	0.036	0.171	791.8	0.000
5.8667	0.036	0.174	807.0	0.000
5.9333	0.036	0.176	822.4	0.000
6.0000	0.036	0.179	837.9	0.000
6.0667	0.036	0.181	853.5	0.000

DB 7 (was 8)

Depth: 16.2 ft.
Element Flows To:
Outlet 1 Outlet 2
POC 20 SF

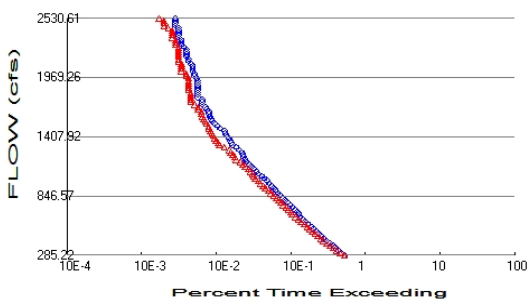
SSD Table Hydraulic Table

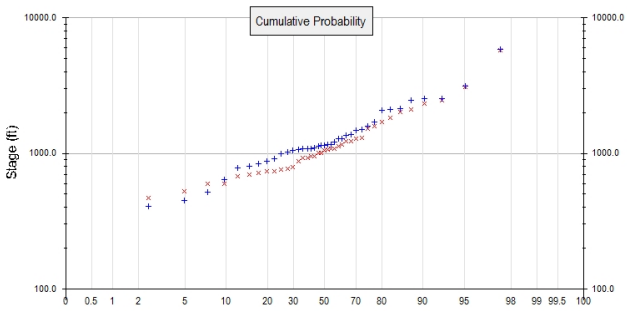
Stage (ft)	Area (ac)	Volume (ac-ft)	Manual	NotUsed	NotUsed	NotUsed	NotUsed
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.010	0.010	0.010	0.003	0.000	0.000	0.000	0.000
0.200	0.013	0.013	0.298	0.000	0.000	0.000	0.000
0.400	0.017	0.017	0.842	0.000	0.000	0.000	0.000
0.600	0.022	0.022	1.548	0.000	0.000	0.000	0.000
0.800	0.028	0.028	2.383	0.000	0.000	0.000	0.000
1.000	0.036	0.036	3.330	0.000	0.000	0.000	0.000
1.200	0.047	0.047	4.377	0.000	0.000	0.000	0.000
1.400	0.060	0.060	5.516	0.000	0.000	0.000	0.000
1.600	0.078	0.078	6.739	0.000	0.000	0.000	0.000
1.800	0.101	0.101	8.042	0.000	0.000	0.000	0.000
2.000	0.130	0.130	9.419	0.000	0.000	0.000	0.000
2.200	0.185	0.157	10.87	0.000	0.000	0.000	0.000
2.400	0.240	0.190	12.38	0.000	0.000	0.000	0.000
2.600	0.295	0.230	13.96	0.000	0.000	0.000	0.000
2.800	0.350	0.278	15.60	0.000	0.000	0.000	0.000
3.000	0.405	0.336	17.30	0.000	0.000	0.000	0.000
3.200	0.460	0.407	18.83	0.000	0.000	0.000	0.000
3.400	0.515	0.492	19.91	0.000	0.000	0.000	0.000
3.600	0.570	0.595	21.12	0.000	0.000	0.000	0.000
3.800	0.625	0.719	22.89	0.000	0.000	0.000	0.000
4.000	0.680	0.870	24.96	0.000	0.000	0.000	0.000
4.200	0.766	0.980	27.25	0.000	0.000	0.000	0.000
4.400	0.851	1.103	29.72	0.000	0.000	0.000	0.000
4.600	0.937	1.242	32.35	0.000	0.000	0.000	0.000
4.800	1.023	1.399	35.13	0.000	0.000	0.000	0.000
5.000	1.108	1.575	38.04	0.000	0.000	0.000	0.000
5.200	1.194	1.774	41.07	0.000	0.000	0.000	0.000
5.400	1.280	1.997	44.23	0.000	0.000	0.000	0.000
5.600	1.366	2.249	47.43	0.000	0.000	0.000	0.000
5.800	1.451	2.533	50.56	0.000	0.000	0.000	0.000
6.000	1.537	2.852	56.25	0.000	0.000	0.000	0.000
6.200	1.611	3.194	63.34	0.000	0.000	0.000	0.000
6.400	1.686	3.554	71.47	0.000	0.000	0.000	0.000
6.600	1.761	3.930	80.49	0.000	0.000	0.000	0.000
6.800	1.838	4.324	90.28	0.000	0.000	0.000	0.000
7.000	1.917	4.735	100.8	0.000	0.000	0.000	0.000
7.200	1.996	5.164	111.9	0.000	0.000	0.000	0.000
7.400	2.076	5.610	123.7	0.000	0.000	0.000	0.000
7.600	2.158	6.073	136.0	0.000	0.000	0.000	0.000
7.800	2.240	6.554	148.8	0.000	0.000	0.000	0.000
8.000	2.324	7.052	162.2	0.000	0.000	0.000	0.000
8.200	2.409	7.567	176.0	0.000	0.000	0.000	0.000
8.400	2.495	8.099	190.4	0.000	0.000	0.000	0.000
8.600	2.582	8.649	205.2	0.000	0.000	0.000	0.000
8.800	2.670	9.216	220.4	0.000	0.000	0.000	0.000
9.000	2.759	9.801	236.0	0.000	0.000	0.000	0.000

9.200	2.849	10.40	252.1	0.000	0.000	0.000	0.000
9.400	2.940	11.02	268.6	0.000	0.000	0.000	0.000
9.600	3.033	11.66	285.4	0.000	0.000	0.000	0.000
9.800	3.127	12.31	302.7	0.000	0.000	0.000	0.000
10.000	3.221	12.98	320.3	0.000	0.000	0.000	0.000
10.20	3.317	13.67	338.3	0.000	0.000	0.000	0.000
10.40	3.414	14.38	356.6	0.000	0.000	0.000	0.000
10.60	3.512	15.10	375.3	0.000	0.000	0.000	0.000
10.80	3.611	15.84	394.4	0.000	0.000	0.000	0.000
11.00	3.711	16.60	420.0	0.000	0.000	0.000	0.000
11.20	3.813	17.37	441.9	0.000	0.000	0.000	0.000
11.40	3.915	18.17	467.2	0.000	0.000	0.000	0.000
11.60	4.019	18.98	495.0	0.000	0.000	0.000	0.000
11.80	4.123	19.80	524.8	0.000	0.000	0.000	0.000
12.00	4.229	20.65	556.4	0.000	0.000	0.000	0.000
12.20	4.336	21.51	589.6	0.000	0.000	0.000	0.000
12.40	4.444	22.39	624.3	0.000	0.000	0.000	0.000
12.60	4.553	23.28	660.4	0.000	0.000	0.000	0.000
12.80	4.663	24.20	697.8	0.000	0.000	0.000	0.000
13.00	4.775	25.13	736.4	0.000	0.000	0.000	0.000
13.20	4.887	26.08	776.2	0.000	0.000	0.000	0.000
13.40	5.001	27.04	817.1	0.000	0.000	0.000	0.000
13.60	5.115	28.03	859.1	0.000	0.000	0.000	0.000
13.80	5.231	29.03	902.2	0.000	0.000	0.000	0.000
14.00	5.348	30.04	946.2	0.000	0.000	0.000	0.000
14.20	5.466	31.08	991.2	0.000	0.000	0.000	0.000
14.40	5.585	32.13	1037.223	0.000	0.000	0.000	0.000
14.60	5.705	33.20	1084.125	0.000	0.000	0.000	0.000
14.80	5.826	34.29	1131.93	0.000	0.000	0.000	0.000
15.00	5.948	35.39	1180.618	0.000	0.000	0.000	0.000
15.20	6.072	36.51	1230.17	0.000	0.000	0.000	0.000
15.40	6.196	37.65	1280.566	0.000	0.000	0.000	0.000
15.60	6.322	38.81	1331.792	0.000	0.000	0.000	0.000
15.80	6.449	39.98	1383.83	0.000	0.000	0.000	0.000
16.00	6.577	41.17	1436.665	0.000	0.000	0.000	0.000

Analysis Results

POC 1





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #1
Total Pervious Area: 4298.41
Total Impervious Area: 1121.1

Mitigated Landuse Totals for POC #1
Total Pervious Area: 3126.32
Total Impervious Area: 2200.82

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #1

Return Period	**Flow(cfs)**
2 year	1140.89561
5 year	1994.73878
10 year	2530.611951
25 year	3731.934146

Flow Frequency Return Periods for Mitigated. POC #1

Return Period	**Flow(cfs)**
2 year	1014.040244
5 year	1674.44878
10 year	2306.104634
25 year	3671.750976

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #1

Year	**Pre-Project**	**Mitigated**
1965	1080.530	949.385
1966	520.285	524.140
1967	1350.900	1288.070
1968	783.557	713.915
1969	1093.700	947.865
1970	1161.810	1049.510
1971	1213.520	919.335
1972	637.740	596.164
1973	2076.630	1835.230
1974	1501.020	1237.370
1975	1063.690	764.323
1976	404.122	468.700
1977	272.130	297.969
1978	2548.290	2332.590

1979	869.592	677.097
1980	1084.220	921.828
1981	1160.120	1013.450
1982	1588.630	1513.950
1983	2148.690	1696.670
1984	1146.320	1014.660
1985	1085.610	793.591
1986	3144.030	3082.420
1987	993.408	877.394
1988	1029.320	1080.940
1989	1283.800	1128.310
1990	909.390	741.853
1991	1144.860	1066.620
1992	1703.570	1595.440
1993	1288.170	1082.310
1994	447.679	596.290
1995	5822.260	5767.150
1996	2446.530	2115.410
1997	2542.290	2445.890
1998	2118.150	2019.220
1999	804.520	697.355
2000	1474.090	1298.810
2001	1052.810	759.884
2002	835.034	733.542
2003	1137.120	1158.660
2004	1370.750	1226.610

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #1

Rank	Pre-Project	Mitigated
1	5822.2600	5767.1500
2	3144.0300	3082.4200
3	2548.2900	2445.8900
4	2542.2900	2332.5900
5	2446.5300	2115.4100
6	2148.6900	2019.2200
7	2118.1500	1835.2300
8	2076.6300	1696.6700
9	1703.5700	1595.4400
10	1588.6300	1513.9500
11	1501.0200	1298.8100
12	1474.0900	1288.0700
13	1370.7500	1237.3700
14	1350.9000	1226.6100
15	1288.1700	1158.6600
16	1283.8000	1128.3100
17	1213.5200	1082.3100
18	1161.8100	1080.9400
19	1160.1200	1066.6200
20	1146.3200	1049.5100
21	1144.8600	1014.6600
22	1137.1200	1013.4500
23	1093.7000	949.3850
24	1085.6100	947.8650
25	1084.2200	921.8280
26	1080.5300	919.3350
27	1063.6900	877.3940
28	1052.8100	793.5910

29	1029.3200	764.3230
30	993.4080	759.8840
31	909.3900	741.8530
32	869.5920	733.5420
33	835.0340	713.9150
34	804.5200	697.3550
35	783.5570	677.0970
36	637.7400	596.2900
37	520.2850	596.1640
38	447.6790	524.1400
39	404.1220	468.7000
40	272.1300	297.9690

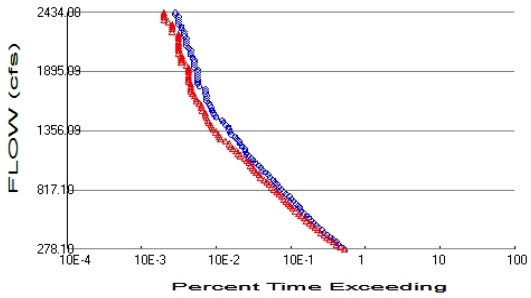
Duration Flows

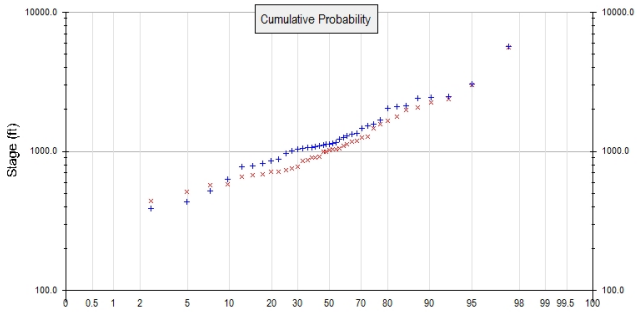
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
285.2239	1822	1849	101	Pass
307.9046	1665	1626	97	Pass
330.5853	1519	1446	95	Pass
353.2660	1400	1301	92	Pass
375.9467	1291	1169	90	Pass
398.6273	1160	1069	92	Pass
421.3080	1050	969	92	Pass
443.9887	970	877	90	Pass
466.6694	893	813	91	Pass
489.3501	824	739	89	Pass
512.0308	765	685	89	Pass
534.7115	707	623	88	Pass
557.3922	661	584	88	Pass
580.0728	596	531	89	Pass
602.7535	551	477	86	Pass
625.4342	509	443	87	Pass
648.1149	481	405	84	Pass
670.7956	452	367	81	Pass
693.4763	427	350	81	Pass
716.1570	400	324	81	Pass
738.8376	372	306	82	Pass
761.5183	346	279	80	Pass
784.1990	312	260	83	Pass
806.8797	295	243	82	Pass
829.5604	271	225	83	Pass
852.2411	252	207	82	Pass
874.9218	238	191	80	Pass
897.6025	219	177	80	Pass
920.2831	206	161	78	Pass
942.9638	196	150	76	Pass
965.6445	179	137	76	Pass
988.3252	167	130	77	Pass
1011.0059	155	117	75	Pass
1033.6866	144	111	77	Pass
1056.3673	129	108	83	Pass
1079.0480	121	100	82	Pass
1101.7286	112	95	84	Pass
1124.4093	104	86	82	Pass
1147.0900	98	79	80	Pass
1169.7707	90	74	82	Pass
1192.4514	86	65	75	Pass
1215.1321	81	62	76	Pass
1237.8128	80	59	73	Pass
1260.4935	78	55	70	Pass
1283.1741	72	53	73	Pass
1305.8548	65	45	69	Pass
1328.5355	58	39	67	Pass
1351.2162	56	37	66	Pass
1373.8969	54	35	64	Pass
1396.5776	52	33	63	Pass
1419.2583	48	32	66	Pass
1441.9390	46	31	67	Pass
1464.6196	45	29	64	Pass

1487.3003	40	28	70	Pass
1509.9810	37	28	75	Pass
1532.6617	33	26	78	Pass
1555.3424	31	25	80	Pass
1578.0231	30	24	80	Pass
1600.7038	29	23	79	Pass
1623.3845	28	22	78	Pass
1646.0651	28	22	78	Pass
1668.7458	26	20	76	Pass
1691.4265	25	20	80	Pass
1714.1072	23	18	78	Pass
1736.7879	23	16	69	Pass
1759.4686	23	16	69	Pass
1782.1493	20	16	80	Pass
1804.8300	20	16	80	Pass
1827.5106	20	16	80	Pass
1850.1913	20	15	75	Pass
1872.8720	20	15	75	Pass
1895.5527	20	15	75	Pass
1918.2334	20	15	75	Pass
1940.9141	20	15	75	Pass
1963.5948	19	15	78	Pass
1986.2755	18	14	77	Pass
2008.9561	18	14	77	Pass
2031.6368	17	12	70	Pass
2054.3175	17	12	70	Pass
2076.9982	17	12	70	Pass
2099.6789	16	12	75	Pass
2122.3596	15	11	73	Pass
2145.0403	15	11	73	Pass
2167.7210	14	11	78	Pass
2190.4016	14	11	78	Pass
2213.0823	14	11	78	Pass
2235.7630	14	11	78	Pass
2258.4437	13	11	84	Pass
2281.1244	12	10	83	Pass
2303.8051	12	10	83	Pass
2326.4858	12	10	83	Pass
2349.1665	11	9	81	Pass
2371.8471	11	9	81	Pass
2394.5278	11	9	81	Pass
2417.2085	11	9	81	Pass
2439.8892	11	8	72	Pass
2462.5699	10	7	70	Pass
2485.2506	10	7	70	Pass
2507.9313	10	7	70	Pass
2530.6120	10	6	60	Pass

POC 2





+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #2
Total Pervious Area: 4220.28
Total Impervious Area: 1088.44

Mitigated Landuse Totals for POC #2
Total Pervious Area: 3072.15
Total Impervious Area: 2110.87

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #2

Return Period	**Flow(cfs)**
2 year	1112.40122
5 year	1959.4
10 year	2434.083659
25 year	3613.04

Flow Frequency Return Periods for Mitigated. POC #2

Return Period	**Flow(cfs)**
2 year	989.509341
5 year	1635.832927
10 year	2216.856585
25 year	3554.562439

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #2

Year	**Pre-Project**	**Mitigated**
1965	1056.740	907.641
1966	516.860	511.280
1967	1323.930	1253.970
1968	777.697	687.546
1969	1097.760	910.270
1970	1138.600	1021.840
1971	1225.620	866.011
1972	631.446	578.563
1973	2039.050	1783.040
1974	1517.390	1173.450
1975	1066.310	752.542
1976	388.649	441.620
1977	271.885	291.006
1978	2439.330	2239.520
1979	850.188	652.740

1980	1068.660	899.730
1981	1156.640	990.419
1982	1560.780	1460.450
1983	2112.940	1657.580
1984	1117.810	988.643
1985	1083.160	778.041
1986	3043.970	2982.090
1987	971.379	851.819
1988	1012.470	1054.600
1989	1259.710	1092.610
1990	883.111	714.311
1991	1120.230	1041.110
1992	1676.200	1558.510
1993	1287.820	1040.240
1994	432.824	571.008
1995	5636.400	5590.020
1996	2396.310	2053.680
1997	2455.290	2364.490
1998	2092.720	1971.990
1999	785.816	675.024
2000	1470.280	1271.310
2001	1037.570	734.350
2002	822.160	711.583
2003	1107.250	1123.710
2004	1347.370	1190.360

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #2

Rank	Pre-Project	Mitigated
1	5636.4000	5590.0200
2	3043.9700	2982.0900
3	2455.2900	2364.4900
4	2439.3300	2239.5200
5	2396.3100	2053.6800
6	2112.9400	1971.9900
7	2092.7200	1783.0400
8	2039.0500	1657.5800
9	1676.2000	1558.5100
10	1560.7800	1460.4500
11	1517.3900	1271.3100
12	1470.2800	1253.9700
13	1347.3700	1190.3600
14	1323.9300	1173.4500
15	1287.8200	1123.7100
16	1259.7100	1092.6100
17	1225.6200	1054.6000
18	1156.6400	1041.1100
19	1138.6000	1040.2400
20	1120.2300	1021.8400
21	1117.8100	990.4190
22	1107.2500	988.6430
23	1097.7600	910.2700
24	1083.1600	907.6410
25	1068.6600	899.7300
26	1066.3100	866.0110
27	1056.7400	851.8190
28	1037.5700	778.0410
29	1012.4700	752.5420

30	971.3790	734.3500
31	883.1110	714.3110
32	850.1880	711.5830
33	822.1600	687.5460
34	785.8160	675.0240
35	777.6970	652.7400
36	631.4460	578.5630
37	516.8600	571.0080
38	432.8240	511.2800
39	388.6490	441.6200
40	271.8850	291.0060

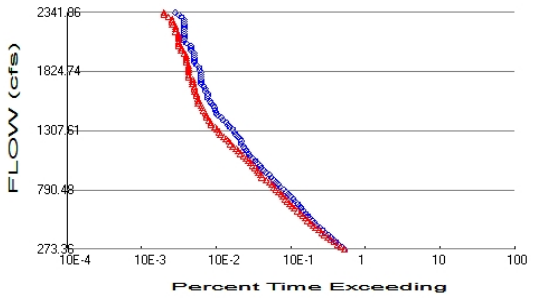
Duration Flows

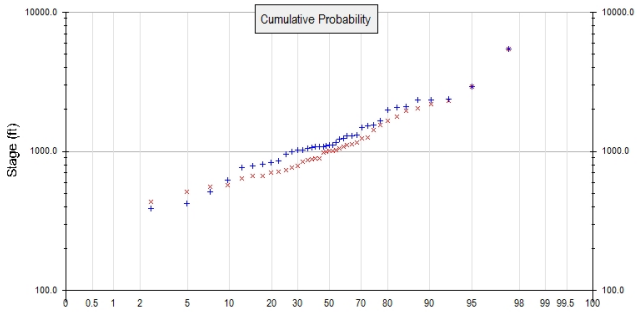
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
278.1003	1832	1843	100	Pass
299.8779	1685	1621	96	Pass
321.6555	1536	1439	93	Pass
343.4331	1423	1298	91	Pass
365.2107	1294	1167	90	Pass
386.9884	1191	1072	90	Pass
408.7660	1077	977	90	Pass
430.5436	993	881	88	Pass
452.3212	915	812	88	Pass
474.0988	836	743	88	Pass
495.8764	776	683	88	Pass
517.6540	722	627	86	Pass
539.4316	677	577	85	Pass
561.2092	617	538	87	Pass
582.9868	573	485	84	Pass
604.7644	522	444	85	Pass
626.5421	487	407	83	Pass
648.3197	467	373	79	Pass
670.0973	446	346	77	Pass
691.8749	416	324	77	Pass
713.6525	389	304	78	Pass
735.4301	365	282	77	Pass
757.2077	333	266	79	Pass
778.9853	307	244	79	Pass
800.7629	286	228	79	Pass
822.5405	264	211	79	Pass
844.3182	243	194	79	Pass
866.0958	228	180	78	Pass
887.8734	216	167	77	Pass
909.6510	205	153	74	Pass
931.4286	185	138	74	Pass
953.2062	173	132	76	Pass
974.9838	160	120	75	Pass
996.7614	148	114	77	Pass
1018.5390	139	109	78	Pass
1040.3166	131	102	77	Pass
1062.0943	118	97	82	Pass
1083.8719	109	90	82	Pass
1105.6495	104	84	80	Pass
1127.4271	97	74	76	Pass
1149.2047	91	69	75	Pass
1170.9823	86	65	75	Pass
1192.7599	84	59	70	Pass
1214.5375	78	55	70	Pass
1236.3151	74	53	71	Pass
1258.0927	72	47	65	Pass
1279.8703	67	40	59	Pass
1301.6480	63	39	61	Pass
1323.4256	56	37	66	Pass
1345.2032	54	35	64	Pass
1366.9808	52	32	61	Pass
1388.7584	51	31	60	Pass
1410.5360	47	30	63	Pass

1432.3136	44	28	63	Pass
1454.0912	42	27	64	Pass
1475.8688	35	26	74	Pass
1497.6464	33	25	75	Pass
1519.4241	32	25	78	Pass
1541.2017	31	23	74	Pass
1562.9793	30	22	73	Pass
1584.7569	29	22	75	Pass
1606.5345	28	21	75	Pass
1628.3121	26	19	73	Pass
1650.0897	26	19	73	Pass
1671.8673	26	18	69	Pass
1693.6449	25	17	68	Pass
1715.4225	25	16	64	Pass
1737.2002	25	16	64	Pass
1758.9778	21	16	76	Pass
1780.7554	20	16	80	Pass
1802.5330	20	15	75	Pass
1824.3106	20	15	75	Pass
1846.0882	20	15	75	Pass
1867.8658	20	15	75	Pass
1889.6434	20	15	75	Pass
1911.4210	20	15	75	Pass
1933.1986	18	15	83	Pass
1954.9762	18	14	77	Pass
1976.7539	18	12	66	Pass
1998.5315	18	12	66	Pass
2020.3091	17	12	70	Pass
2042.0867	16	12	75	Pass
2063.8643	16	11	68	Pass
2085.6419	16	11	68	Pass
2107.4195	15	11	73	Pass
2129.1971	14	11	78	Pass
2150.9747	14	11	78	Pass
2172.7523	14	11	78	Pass
2194.5300	14	11	78	Pass
2216.3076	13	11	84	Pass
2238.0852	13	11	84	Pass
2259.8628	13	9	69	Pass
2281.6404	12	9	75	Pass
2303.4180	12	9	75	Pass
2325.1956	11	9	81	Pass
2346.9732	11	8	72	Pass
2368.7508	11	7	63	Pass
2390.5284	11	7	63	Pass
2412.3060	10	7	70	Pass
2434.0837	10	7	70	Pass

POC 3





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #3
Total Pervious Area: 4137.02
Total Impervious Area: 1069.92

Mitigated Landuse Totals for POC #3
Total Pervious Area: 3024.13
Total Impervious Area: 2074.3

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #3

Return Period	**Flow(cfs)**
2 year	1093.435854
5 year	1914.862683
10 year	2341.862927
25 year	3460.563659

Flow Frequency Return Periods for Mitigated. POC #3

Return Period	**Flow(cfs)**
2 year	987.705488
5 year	1623.677317
10 year	2157.281951
25 year	3458.829268

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #3

Year	**Pre-Project**	**Mitigated**
1965	1027.780	884.354
1966	514.264	508.990
1967	1292.920	1235.760
1968	780.628	666.212
1969	1112.020	880.480
1970	1113.710	1007.870
1971	1248.000	871.057
1972	623.154	574.546
1973	1989.060	1768.510
1974	1550.390	1126.780
1975	1075.530	760.602
1976	386.699	434.795
1977	271.032	288.330
1978	2377.490	2173.660
1979	826.230	637.209

1980	1051.020	890.789
1981	1154.050	996.064
1982	1527.760	1416.550
1983	2068.260	1645.870
1984	1086.670	979.745
1985	1085.520	784.977
1986	2908.890	2902.570
1987	947.172	839.923
1988	997.703	1043.680
1989	1224.850	1079.390
1990	852.984	704.018
1991	1100.540	1027.500
1992	1651.050	1544.770
1993	1299.090	1011.290
1994	420.660	552.974
1995	5422.070	5436.640
1996	2331.300	2039.360
1997	2343.330	2297.620
1998	2083.170	1966.200
1999	766.291	663.253
2000	1479.380	1265.250
2001	1023.890	729.131
2002	809.452	708.208
2003	1071.430	1102.580
2004	1318.660	1164.470

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #3

Rank	Pre-Project	Mitigated
1	5422.0700	5436.6400
2	2908.8900	2902.5700
3	2377.4900	2297.6200
4	2343.3300	2173.6600
5	2331.3000	2039.3600
6	2083.1700	1966.2000
7	2068.2600	1768.5100
8	1989.0600	1645.8700
9	1651.0500	1544.7700
10	1550.3900	1416.5500
11	1527.7600	1265.2500
12	1479.3800	1235.7600
13	1318.6600	1164.4700
14	1299.0900	1126.7800
15	1292.9200	1102.5800
16	1248.0000	1079.3900
17	1224.8500	1043.6800
18	1154.0500	1027.5000
19	1113.7100	1011.2900
20	1112.0200	1007.8700
21	1100.5400	996.0640
22	1086.6700	979.7450
23	1085.5200	890.7890
24	1075.5300	884.3540
25	1071.4300	880.4800
26	1051.0200	871.0570
27	1027.7800	839.9230
28	1023.8900	784.9770
29	997.7030	760.6020

30	947.1720	729.1310
31	852.9840	708.2080
32	826.2300	704.0180
33	809.4520	666.2120
34	780.6280	663.2530
35	766.2910	637.2090
36	623.1540	574.5460
37	514.2640	552.9740
38	420.6600	508.9900
39	386.6990	434.7950
40	271.0320	288.3300

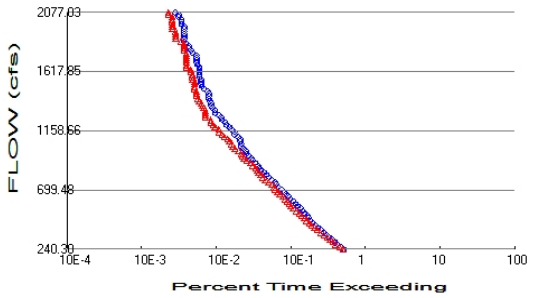
Duration Flows

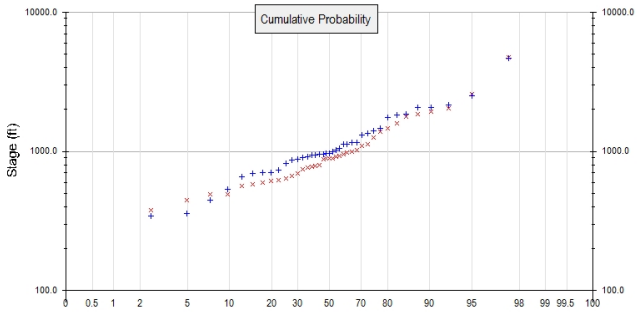
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
273.3590	1844	1834	99	Pass
294.2529	1703	1638	96	Pass
315.1469	1556	1479	95	Pass
336.0409	1415	1326	93	Pass
356.9349	1298	1198	92	Pass
377.8289	1210	1096	90	Pass
398.7228	1110	991	89	Pass
419.6168	1023	913	89	Pass
440.5108	937	831	88	Pass
461.4048	854	755	88	Pass
482.2988	779	699	89	Pass
503.1927	733	642	87	Pass
524.0867	682	595	87	Pass
544.9807	634	549	86	Pass
565.8747	597	508	85	Pass
586.7687	556	473	85	Pass
607.6626	520	430	82	Pass
628.5566	484	390	80	Pass
649.4506	457	361	78	Pass
670.3446	434	337	77	Pass
691.2386	402	316	78	Pass
712.1325	379	296	78	Pass
733.0265	346	276	79	Pass
753.9205	324	263	81	Pass
774.8145	306	240	78	Pass
795.7084	283	221	78	Pass
816.6024	257	210	81	Pass
837.4964	237	196	82	Pass
858.3904	221	184	83	Pass
879.2844	208	164	78	Pass
900.1783	196	145	73	Pass
921.0723	181	139	76	Pass
941.9663	163	131	80	Pass
962.8603	153	125	81	Pass
983.7543	143	118	82	Pass
1004.6482	136	107	78	Pass
1025.5422	124	102	82	Pass
1046.4362	117	95	81	Pass
1067.3302	108	88	81	Pass
1088.2242	100	81	81	Pass
1109.1181	95	74	77	Pass
1130.0121	89	69	77	Pass
1150.9061	85	65	76	Pass
1171.8001	81	59	72	Pass
1192.6941	77	55	71	Pass
1213.5880	76	52	68	Pass
1234.4820	74	48	64	Pass
1255.3760	68	44	64	Pass
1276.2700	64	40	62	Pass
1297.1640	62	39	62	Pass
1318.0579	59	36	61	Pass
1338.9519	53	34	64	Pass
1359.8459	50	30	60	Pass

1380.7399	48	30	62	Pass
1401.6339	43	28	65	Pass
1422.5278	41	26	63	Pass
1443.4218	37	26	70	Pass
1464.3158	35	25	71	Pass
1485.2098	34	24	70	Pass
1506.1037	33	23	69	Pass
1526.9977	32	22	68	Pass
1547.8917	30	20	66	Pass
1568.7857	29	20	68	Pass
1589.6797	27	20	74	Pass
1610.5736	27	19	70	Pass
1631.4676	27	19	70	Pass
1652.3616	25	18	72	Pass
1673.2556	25	18	72	Pass
1694.1496	24	18	75	Pass
1715.0435	22	17	77	Pass
1735.9375	22	17	77	Pass
1756.8315	22	17	77	Pass
1777.7255	22	15	68	Pass
1798.6195	22	15	68	Pass
1819.5134	22	15	68	Pass
1840.4074	21	15	71	Pass
1861.3014	21	15	71	Pass
1882.1954	19	15	78	Pass
1903.0894	18	14	77	Pass
1923.9833	18	14	77	Pass
1944.8773	18	14	77	Pass
1965.7713	18	14	77	Pass
1986.6653	18	13	72	Pass
2007.5593	16	12	75	Pass
2028.4532	16	12	75	Pass
2049.3472	16	11	68	Pass
2070.2412	14	11	78	Pass
2091.1352	13	11	84	Pass
2112.0292	13	11	84	Pass
2132.9231	13	11	84	Pass
2153.8171	13	11	84	Pass
2174.7111	13	10	76	Pass
2195.6051	13	10	76	Pass
2216.4991	13	10	76	Pass
2237.3930	13	9	69	Pass
2258.2870	13	9	69	Pass
2279.1810	13	9	69	Pass
2300.0750	12	8	66	Pass
2320.9689	11	7	63	Pass
2341.8629	10	7	70	Pass

POC 5





+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #5
Total Pervious Area: 3561.93
Total Impervious Area: 908.17

Mitigated Landuse Totals for POC #5
Total Pervious Area: 2591.35
Total Impervious Area: 1859.8

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #5

Return Period	**Flow(cfs)**
2 year	961.192415
5 year	1685.262195
10 year	2077.030488
25 year	2977.74561

Flow Frequency Return Periods for Mitigated. POC #5

Return Period	**Flow(cfs)**
2 year	880.061317
5 year	1455.178049
10 year	1923.625854
25 year	3050.701951

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #5

Year	**Pre-Project**	**Mitigated**
1965	882.380	764.705
1966	443.528	448.642
1967	1126.100	1094.420
1968	691.515	594.466
1969	993.743	792.269
1970	970.321	893.884
1971	1119.410	776.834
1972	532.293	494.047
1973	1750.330	1599.130
1974	1402.700	993.830
1975	952.740	666.321
1976	340.851	376.945
1977	229.417	245.253
1978	2159.750	1932.910
1979	707.059	566.272

1980	915.433	789.662
1981	1017.410	891.424
1982	1337.730	1252.560
1983	1827.000	1472.750
1984	938.761	872.374
1985	958.529	689.465
1986	2512.540	2574.670
1987	819.720	741.263
1988	869.944	930.670
1989	1055.760	954.857
1990	729.854	614.259
1991	963.989	909.314
1992	1453.910	1392.700
1993	1154.880	888.133
1994	358.899	494.429
1995	4631.810	4743.260
1996	2062.850	1856.780
1997	2079.000	2039.160
1998	1843.650	1773.950
1999	659.923	581.623
2000	1318.690	1124.210
2001	895.785	636.168
2002	699.581	621.572
2003	938.200	977.044
2004	1149.420	1027.990

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #5

Rank	Pre-Project	Mitigated
1	4631.8100	4743.2600
2	2512.5400	2574.6700
3	2159.7500	2039.1600
4	2079.0000	1932.9100
5	2062.8500	1856.7800
6	1843.6500	1773.9500
7	1827.0000	1599.1300
8	1750.3300	1472.7500
9	1453.9100	1392.7000
10	1402.7000	1252.5600
11	1337.7300	1124.2100
12	1318.6900	1094.4200
13	1154.8800	1027.9900
14	1149.4200	993.8300
15	1126.1000	977.0440
16	1119.4100	954.8570
17	1055.7600	930.6700
18	1017.4100	909.3140
19	993.7430	893.8840
20	970.3210	891.4240
21	963.9890	888.1330
22	958.5290	872.3740
23	952.7400	792.2690
24	938.7610	789.6620
25	938.2000	776.8340
26	915.4330	764.7050
27	895.7850	741.2630
28	882.3800	689.4650
29	869.9440	666.3210

30	819.7200	636.1680
31	729.8540	621.5720
32	707.0590	614.2590
33	699.5810	594.4660
34	691.5150	581.6230
35	659.9230	566.2720
36	532.2930	494.4290
37	443.5280	494.0470
38	358.8990	448.6420
39	340.8510	376.9450
40	229.4170	245.2530

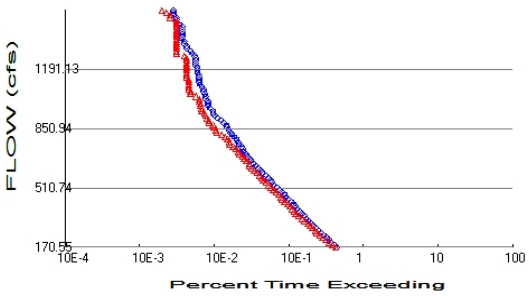
Duration Flows

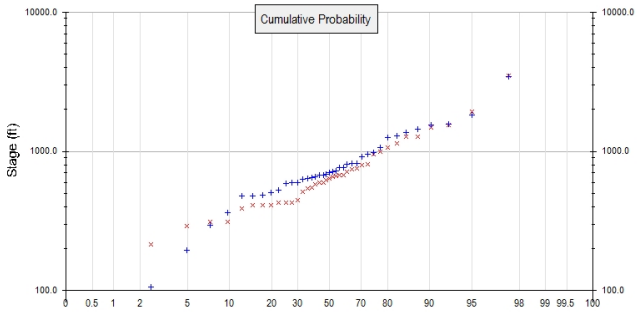
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
240.2981	1794	1757	97	Pass
258.8510	1635	1585	96	Pass
277.4038	1482	1415	95	Pass
295.9567	1368	1294	94	Pass
314.5095	1262	1182	93	Pass
333.0624	1152	1078	93	Pass
351.6152	1051	980	93	Pass
370.1681	970	884	91	Pass
388.7209	886	797	89	Pass
407.2738	809	734	90	Pass
425.8266	746	665	89	Pass
444.3795	690	624	90	Pass
462.9323	641	573	89	Pass
481.4852	609	537	88	Pass
500.0380	581	488	83	Pass
518.5909	539	459	85	Pass
537.1437	510	418	81	Pass
555.6966	476	381	80	Pass
574.2494	437	351	80	Pass
592.8023	409	336	82	Pass
611.3552	380	315	82	Pass
629.9080	352	292	82	Pass
648.4609	325	275	84	Pass
667.0137	306	251	82	Pass
685.5666	288	234	81	Pass
704.1194	262	218	83	Pass
722.6723	238	208	87	Pass
741.2251	224	197	87	Pass
759.7780	213	175	82	Pass
778.3308	196	161	82	Pass
796.8837	181	148	81	Pass
815.4365	166	139	83	Pass
833.9894	154	130	84	Pass
852.5422	139	124	89	Pass
871.0951	133	119	89	Pass
889.6479	128	110	85	Pass
908.2008	118	101	85	Pass
926.7536	108	90	83	Pass
945.3065	103	83	80	Pass
963.8593	96	80	83	Pass
982.4122	90	76	84	Pass
1000.9651	87	70	80	Pass
1019.5179	82	62	75	Pass
1038.0708	77	59	76	Pass
1056.6236	76	57	75	Pass
1075.1765	74	53	71	Pass
1093.7293	73	50	68	Pass
1112.2822	69	45	65	Pass
1130.8350	62	42	67	Pass
1149.3879	62	38	61	Pass
1167.9407	56	38	67	Pass
1186.4936	53	34	64	Pass
1205.0464	48	32	66	Pass

1223.5993	46	30	65	Pass
1242.1521	42	30	71	Pass
1260.7050	41	25	60	Pass
1279.2578	38	25	65	Pass
1297.8107	34	25	73	Pass
1316.3635	34	25	73	Pass
1334.9164	31	24	77	Pass
1353.4692	30	23	76	Pass
1372.0221	30	22	73	Pass
1390.5750	29	21	72	Pass
1409.1278	28	20	71	Pass
1427.6807	28	19	67	Pass
1446.2335	28	19	67	Pass
1464.7864	27	19	70	Pass
1483.3392	24	18	75	Pass
1501.8921	23	18	78	Pass
1520.4449	22	18	81	Pass
1538.9978	22	18	81	Pass
1557.5506	22	17	77	Pass
1576.1035	21	17	80	Pass
1594.6563	21	17	80	Pass
1613.2092	21	16	76	Pass
1631.7620	21	16	76	Pass
1650.3149	21	14	66	Pass
1668.8677	20	14	70	Pass
1687.4206	19	14	73	Pass
1705.9734	19	14	73	Pass
1724.5263	19	14	73	Pass
1743.0791	19	14	73	Pass
1761.6320	17	14	82	Pass
1780.1849	16	13	81	Pass
1798.7377	15	13	86	Pass
1817.2906	15	13	86	Pass
1835.8434	14	13	92	Pass
1854.3963	13	12	92	Pass
1872.9491	13	10	76	Pass
1891.5020	13	10	76	Pass
1910.0548	13	10	76	Pass
1928.6077	13	10	76	Pass
1947.1605	13	9	69	Pass
1965.7134	13	9	69	Pass
1984.2662	12	9	75	Pass
2002.8191	12	9	75	Pass
2021.3719	12	9	75	Pass
2039.9248	11	9	81	Pass
2058.4776	11	8	72	Pass
2077.0305	10	8	80	Pass

POC 6





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #6
Total Pervious Area: 3035.39
Total Impervious Area: 297.85

Mitigated Landuse Totals for POC #6
Total Pervious Area: 2049.6
Total Impervious Area: 1241.32

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #6

Return Period	**Flow(cfs)**
2 year	682.189341
5 year	1215.632439
10 year	1531.32439
25 year	2186.026341

Flow Frequency Return Periods for Mitigated. POC #6

Return Period	**Flow(cfs)**
2 year	609.547244
5 year	1055.260415
10 year	1459.859268
25 year	2279.776829

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #6

Year	**Pre-Project**	**Mitigated**
1965	656.143	581.824
1966	294.402	310.954
1967	820.656	794.930
1968	477.695	429.079
1969	718.062	598.017
1970	709.596	637.473
1971	766.773	537.835
1972	361.503	289.258
1973	1258.760	1136.020
1974	958.147	749.785
1975	599.932	388.849
1976	105.495	214.580
1977	79.277	95.034
1978	1568.560	1484.830
1979	506.452	412.611

1980	671.642	549.391
1981	686.018	596.252
1982	979.692	951.973
1983	1299.360	1070.810
1984	678.543	621.654
1985	637.527	429.756
1986	1827.710	1932.930
1987	584.861	514.373
1988	593.667	654.246
1989	760.267	677.429
1990	527.275	426.782
1991	702.126	672.035
1992	1062.290	999.973
1993	810.700	664.877
1994	194.360	311.875
1995	3460.040	3513.010
1996	1442.220	1280.070
1997	1543.700	1542.780
1998	1364.690	1278.300
1999	486.710	412.676
2000	912.922	803.785
2001	629.107	446.530
2002	481.061	409.882
2003	651.712	717.762
2004	813.588	748.026

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #6

Rank	Pre-Project	Mitigated
1	3460.0400	3513.0100
2	1827.7100	1932.9300
3	1568.5600	1542.7800
4	1543.7000	1484.8300
5	1442.2200	1280.0700
6	1364.6900	1278.3000
7	1299.3600	1136.0200
8	1258.7600	1070.8100
9	1062.2900	999.9730
10	979.6920	951.9730
11	958.1470	803.7850
12	912.9220	794.9300
13	820.6560	749.7850
14	813.5880	748.0260
15	810.7000	717.7620
16	766.7730	677.4290
17	760.2670	672.0350
18	718.0620	664.8770
19	709.5960	654.2460
20	702.1260	637.4730
21	686.0180	621.6540
22	678.5430	598.0170
23	671.6420	596.2520
24	656.1430	581.8240
25	651.7120	549.3910
26	637.5270	537.8350
27	629.1070	514.3730
28	599.9320	446.5300
29	593.6670	429.7560

30	584.8610	429.0790
31	527.2750	426.7820
32	506.4520	412.6760
33	486.7100	412.6110
34	481.0610	409.8820
35	477.6950	388.8490
36	361.5030	311.8750
37	294.4020	310.9540
38	194.3600	289.2580
39	105.4950	214.5800
40	79.2772	95.0343

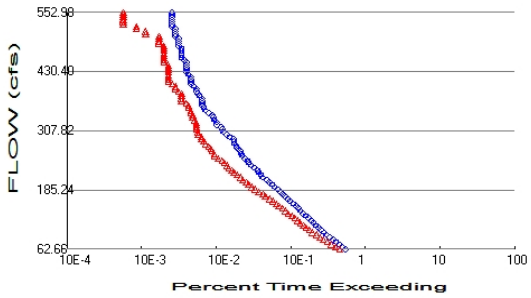
Duration Flows

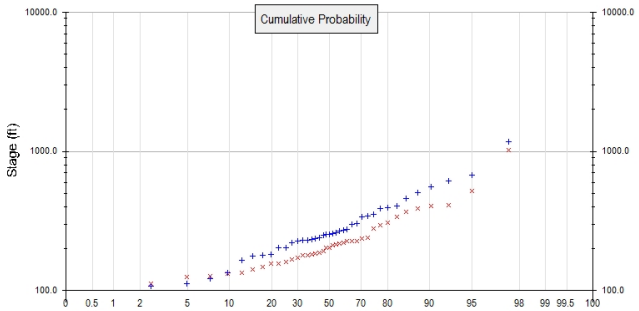
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
170.5473	1555	1499	96	Pass
184.2926	1421	1354	95	Pass
198.0378	1306	1230	94	Pass
211.7830	1209	1113	92	Pass
225.5282	1120	1003	89	Pass
239.2734	1036	911	87	Pass
253.0187	949	845	89	Pass
266.7639	880	795	90	Pass
280.5091	804	735	91	Pass
294.2543	750	676	90	Pass
307.9996	702	629	89	Pass
321.7448	643	575	89	Pass
335.4900	608	531	87	Pass
349.2352	565	475	84	Pass
362.9805	522	438	83	Pass
376.7257	487	412	84	Pass
390.4709	457	392	85	Pass
404.2161	432	365	84	Pass
417.9613	408	340	83	Pass
431.7066	378	308	81	Pass
445.4518	347	287	82	Pass
459.1970	329	274	83	Pass
472.9422	309	260	84	Pass
486.6875	284	237	83	Pass
500.4327	263	219	83	Pass
514.1779	242	205	84	Pass
527.9231	223	188	84	Pass
541.6684	210	173	82	Pass
555.4136	201	160	79	Pass
569.1588	187	151	80	Pass
582.9040	174	142	81	Pass
596.6492	155	132	85	Pass
610.3945	148	120	81	Pass
624.1397	138	111	80	Pass
637.8849	127	106	83	Pass
651.6301	118	103	87	Pass
665.3754	109	96	88	Pass
679.1206	103	89	86	Pass
692.8658	98	84	85	Pass
706.6110	94	78	82	Pass
720.3562	88	73	82	Pass
734.1015	84	68	80	Pass
747.8467	81	63	77	Pass
761.5919	75	57	76	Pass
775.3371	73	56	76	Pass
789.0824	70	53	75	Pass
802.8276	65	49	75	Pass
816.5728	61	44	72	Pass
830.3180	58	38	65	Pass
844.0633	55	37	67	Pass
857.8085	52	35	67	Pass
871.5537	51	34	66	Pass
885.2989	47	30	63	Pass

899.0441	44	30	68	Pass
912.7894	39	28	71	Pass
926.5346	36	27	75	Pass
940.2798	34	26	76	Pass
954.0250	34	24	70	Pass
967.7703	31	24	77	Pass
981.5155	29	23	79	Pass
995.2607	29	23	79	Pass
1009.0059	29	22	75	Pass
1022.7511	27	22	81	Pass
1036.4964	27	20	74	Pass
1050.2416	26	17	65	Pass
1063.9868	25	17	68	Pass
1077.7320	25	16	64	Pass
1091.4773	24	16	66	Pass
1105.2225	23	16	69	Pass
1118.9677	22	16	72	Pass
1132.7129	22	16	72	Pass
1146.4582	22	15	68	Pass
1160.2034	22	15	68	Pass
1173.9486	21	15	71	Pass
1187.6938	21	15	71	Pass
1201.4390	21	15	71	Pass
1215.1843	20	15	75	Pass
1228.9295	20	15	75	Pass
1242.6747	20	15	75	Pass
1256.4199	20	15	75	Pass
1270.1652	19	14	73	Pass
1283.9104	18	11	61	Pass
1297.6556	17	11	64	Pass
1311.4008	15	11	73	Pass
1325.1460	15	11	73	Pass
1338.8913	14	11	78	Pass
1352.6365	14	11	78	Pass
1366.3817	13	11	84	Pass
1380.1269	13	11	84	Pass
1393.8722	13	11	84	Pass
1407.6174	13	11	84	Pass
1421.3626	13	11	84	Pass
1435.1078	13	11	84	Pass
1448.8531	12	11	91	Pass
1462.5983	11	11	100	Pass
1476.3435	11	11	100	Pass
1490.0887	11	9	81	Pass
1503.8339	10	9	90	Pass
1517.5792	10	8	80	Pass
1531.3244	10	7	70	Pass

POC 7





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #7
Total Pervious Area: 735.38
Total Impervious Area: 297.85

Mitigated Landuse Totals for POC #7
Total Pervious Area: 278.76
Total Impervious Area: 617.11

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #7

Return Period	**Flow(cfs)**
2 year	250.628585
5 year	393.893366
10 year	552.983683
25 year	780.31839

Flow Frequency Return Periods for Mitigated. POC #7

Return Period	**Flow(cfs)**
2 year	197.076707
5 year	303.889561
10 year	401.529024
25 year	626.149317

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #7

Year	**Pre-Project**	**Mitigated**
1965	231.705	179.454
1966	122.204	112.645
1967	261.671	235.839
1968	178.262	126.597
1969	266.484	185.593
1970	226.564	203.093
1971	304.666	181.570
1972	134.276	155.740
1973	395.876	340.512
1974	386.844	227.401
1975	270.074	168.551
1976	107.160	125.165
1977	79.389	83.550
1978	610.340	388.202
1979	181.922	157.188

1980	219.276	202.801
1981	257.469	226.474
1982	351.281	278.117
1983	403.766	305.879
1984	240.534	214.943
1985	248.352	161.178
1986	671.882	516.006
1987	204.370	178.537
1988	230.201	221.373
1989	253.019	212.889
1990	203.534	133.055
1991	236.771	186.408
1992	338.650	296.816
1993	299.456	191.625
1994	112.422	148.614
1995	1165.870	1017.770
1996	502.747	403.380
1997	559.961	408.899
1998	458.546	366.970
1999	165.935	135.128
2000	342.871	238.481
2001	229.417	142.221
2002	176.497	171.005
2003	253.443	217.689
2004	275.061	227.276

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #7

Rank	Pre-Project	Mitigated
1	1165.8700	1017.7700
2	671.8820	516.0060
3	610.3400	408.8990
4	559.9610	403.3800
5	502.7470	388.2020
6	458.5460	366.9700
7	403.7660	340.5120
8	395.8760	305.8790
9	386.8440	296.8160
10	351.2810	278.1170
11	342.8710	238.4810
12	338.6500	235.8390
13	304.6660	227.4010
14	299.4560	227.2760
15	275.0610	226.4740
16	270.0740	221.3730
17	266.4840	217.6890
18	261.6710	214.9430
19	257.4690	212.8890
20	253.4430	203.0930
21	253.0190	202.8010
22	248.3520	191.6250
23	240.5340	186.4080
24	236.7710	185.5930
25	231.7050	181.5700
26	230.2010	179.4540
27	229.4170	178.5370
28	226.5640	171.0050
29	219.2760	168.5510

30	204.3700	161.1780
31	203.5340	157.1880
32	181.9220	155.7400
33	178.2620	148.6140
34	176.4970	142.2210
35	165.9350	135.1280
36	134.2760	133.0550
37	122.2040	126.5970
38	112.4220	125.1650
39	107.1600	112.6450
40	79.3886	83.5499

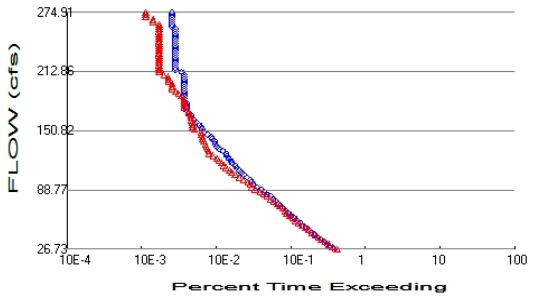
Duration Flows

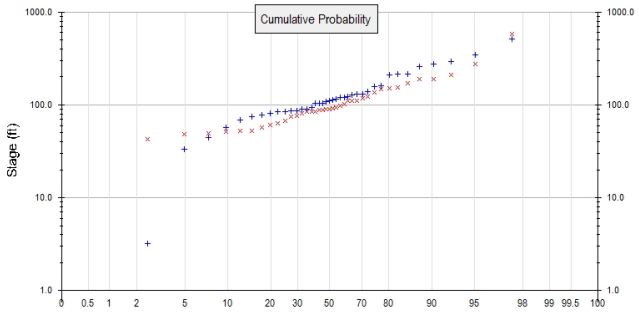
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
62.6571	1874	1592	84	Pass
67.6099	1707	1400	82	Pass
72.5627	1563	1230	78	Pass
77.5155	1420	1086	76	Pass
82.4683	1289	960	74	Pass
87.4211	1168	856	73	Pass
92.3739	1063	777	73	Pass
97.3267	973	687	70	Pass
102.2795	893	621	69	Pass
107.2323	822	560	68	Pass
112.1851	758	519	68	Pass
117.1379	707	472	66	Pass
122.0907	660	436	66	Pass
127.0435	600	397	66	Pass
131.9963	556	363	65	Pass
136.9490	514	325	63	Pass
141.9018	471	297	63	Pass
146.8546	445	272	61	Pass
151.8074	413	242	58	Pass
156.7602	380	224	58	Pass
161.7130	344	202	58	Pass
166.6658	319	184	57	Pass
171.6186	291	160	54	Pass
176.5714	274	150	54	Pass
181.5242	257	130	50	Pass
186.4770	235	117	49	Pass
191.4298	214	105	49	Pass
196.3826	197	95	48	Pass
201.3354	181	89	49	Pass
206.2882	167	79	47	Pass
211.2409	147	75	51	Pass
216.1937	139	67	48	Pass
221.1465	131	61	46	Pass
226.0993	126	57	45	Pass
231.0521	114	52	45	Pass
236.0049	105	49	46	Pass
240.9577	95	45	47	Pass
245.9105	92	42	45	Pass
250.8633	84	37	44	Pass
255.8161	79	34	43	Pass
260.7689	77	33	42	Pass
265.7217	74	31	41	Pass
270.6745	69	30	43	Pass
275.6273	65	28	43	Pass
280.5801	62	25	40	Pass
285.5328	61	24	39	Pass
290.4856	60	22	36	Pass
295.4384	53	22	41	Pass
300.3912	49	20	40	Pass
305.3440	44	20	45	Pass
310.2968	42	19	45	Pass
315.2496	41	19	46	Pass
320.2024	36	19	52	Pass

325.1552	36	19	52	Pass
330.1080	33	18	54	Pass
335.0608	32	17	53	Pass
340.0136	31	17	54	Pass
344.9664	28	16	57	Pass
349.9192	25	16	64	Pass
354.8720	24	15	62	Pass
359.8247	23	15	65	Pass
364.7775	23	14	60	Pass
369.7303	23	12	52	Pass
374.6831	23	12	52	Pass
379.6359	21	12	57	Pass
384.5887	20	12	60	Pass
389.5415	19	11	57	Pass
394.4943	19	10	52	Pass
399.4471	18	10	55	Pass
404.3999	16	9	56	Pass
409.3527	16	8	50	Pass
414.3055	16	8	50	Pass
419.2583	16	8	50	Pass
424.2111	15	8	53	Pass
429.1639	14	8	57	Pass
434.1166	14	8	57	Pass
439.0694	14	8	57	Pass
444.0222	14	8	57	Pass
448.9750	14	7	50	Pass
453.9278	13	7	53	Pass
458.8806	12	7	58	Pass
463.8334	12	7	58	Pass
468.7862	12	7	58	Pass
473.7390	12	7	58	Pass
478.6918	12	7	58	Pass
483.6446	11	7	63	Pass
488.5974	11	6	54	Pass
493.5502	11	6	54	Pass
498.5030	11	6	54	Pass
503.4557	10	6	60	Pass
508.4085	10	4	40	Pass
513.3613	10	4	40	Pass
518.3141	10	3	30	Pass
523.2669	9	3	33	Pass
528.2197	9	2	22	Pass
533.1725	9	2	22	Pass
538.1253	9	2	22	Pass
543.0781	9	2	22	Pass
548.0309	9	2	22	Pass
552.9837	9	2	22	Pass

POC 8





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #8
Total Pervious Area: 430.61
Total Impervious Area: 8.93

Mitigated Landuse Totals for POC #8
Total Pervious Area: 142.59
Total Impervious Area: 325.6

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #8

Return Period	**Flow(cfs)**
2 year	106.918317
5 year	200.295171
10 year	274.905854
25 year	384.138439

Flow Frequency Return Periods for Mitigated. POC #8

Return Period	**Flow(cfs)**
2 year	89.17429
5 year	151.206268
10 year	190.509854
25 year	342.98339

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #8

Year	**Pre-Project**	**Mitigated**
1965	115.082	88.342
1966	44.934	52.319
1967	122.310	117.478
1968	75.065	57.116
1969	119.475	84.485
1970	104.274	97.403
1971	120.108	85.108
1972	57.426	48.097
1973	214.681	152.968
1974	160.310	88.728
1975	81.695	42.777
1976	3.234	49.487
1977	2.843	8.992
1978	293.905	189.184
1979	85.857	67.736

1980	90.470	90.327
1981	103.632	91.696
1982	159.029	137.052
1983	213.923	151.669
1984	110.800	102.235
1985	89.502	60.701
1986	348.390	277.495
1987	84.079	81.799
1988	94.377	110.391
1989	131.331	89.643
1990	84.369	52.416
1991	104.651	94.807
1992	138.007	149.561
1993	112.940	84.294
1994	33.105	75.439
1995	511.244	575.831
1996	259.216	172.325
1997	277.085	210.542
1998	211.541	190.694
1999	68.973	63.457
2000	130.866	122.909
2001	86.777	51.192
2002	77.278	75.978
2003	109.299	111.080
2004	129.045	110.917

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #8

Rank	Pre-Project	Mitigated
1	511.2440	575.8310
2	348.3900	277.4950
3	293.9050	210.5420
4	277.0850	190.6940
5	259.2160	189.1840
6	214.6810	172.3250
7	213.9230	152.9680
8	211.5410	151.6690
9	160.3100	149.5610
10	159.0290	137.0520
11	138.0070	122.9090
12	131.3310	117.4780
13	130.8660	111.0800
14	129.0450	110.9170
15	122.3100	110.3910
16	120.1080	102.2350
17	119.4750	97.4032
18	115.0820	94.8069
19	112.9400	91.6962
20	110.8000	90.3272
21	109.2990	89.6430
22	104.6510	88.7279
23	104.2740	88.3418
24	103.6320	85.1084
25	94.3773	84.4846
26	90.4699	84.2935
27	89.5024	81.7988
28	86.7765	75.9775
29	85.8570	75.4389

30	84.3694	67.7361
31	84.0788	63.4569
32	81.6951	60.7008
33	77.2779	57.1156
34	75.0648	52.4161
35	68.9727	52.3192
36	57.4260	51.1919
37	44.9343	49.4865
38	33.1053	48.0968
39	3.2339	42.7772
40	2.8427	8.9924

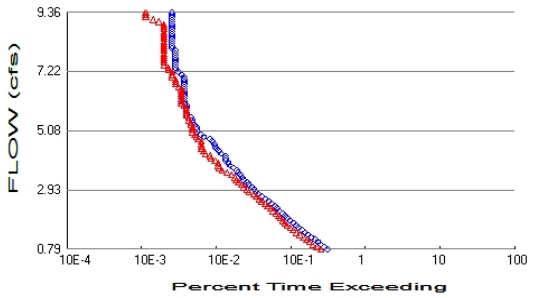
Duration Flows

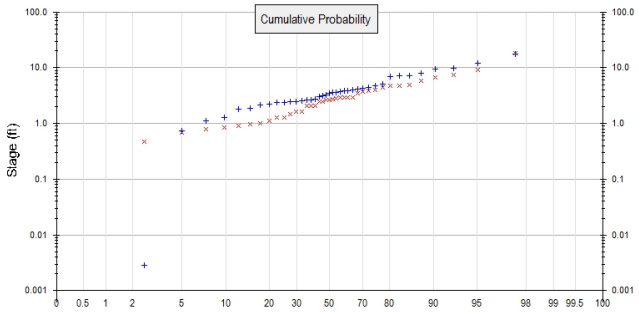
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
26.7296	1344	1458	108	Pass
29.2364	1189	1266	106	Pass
31.7432	1074	1129	105	Pass
34.2501	988	1006	101	Pass
36.7569	881	905	102	Pass
39.2637	801	819	102	Pass
41.7706	735	738	100	Pass
44.2774	666	669	100	Pass
46.7842	608	604	99	Pass
49.2911	555	549	98	Pass
51.7979	503	496	98	Pass
54.3047	466	445	95	Pass
56.8116	431	408	94	Pass
59.3184	393	373	94	Pass
61.8252	355	339	95	Pass
64.3320	330	310	93	Pass
66.8389	300	293	97	Pass
69.3457	273	274	100	Pass
71.8525	255	250	98	Pass
74.3594	240	231	96	Pass
76.8662	218	208	95	Pass
79.3730	205	187	91	Pass
81.8799	189	167	88	Pass
84.3867	165	152	92	Pass
86.8935	151	136	90	Pass
89.4004	141	118	83	Pass
91.9072	124	106	85	Pass
94.4140	109	100	91	Pass
96.9208	103	93	90	Pass
99.4277	101	81	80	Pass
101.9345	90	72	80	Pass
104.4413	81	63	77	Pass
106.9482	76	57	75	Pass
109.4550	72	53	73	Pass
111.9618	67	48	71	Pass
114.4687	63	44	69	Pass
116.9755	57	41	71	Pass
119.4823	55	38	69	Pass
121.9892	51	36	70	Pass
124.4960	49	32	65	Pass
127.0028	48	28	58	Pass
129.5097	43	28	65	Pass
132.0165	38	27	71	Pass
134.5233	36	26	72	Pass
137.0301	34	25	73	Pass
139.5370	33	24	72	Pass
142.0438	31	23	74	Pass
144.5506	30	23	76	Pass
147.0575	27	22	81	Pass
149.5643	24	22	91	Pass
152.0711	23	18	78	Pass
154.5780	22	17	77	Pass
157.0848	21	17	80	Pass

159.5916	19	17	89	Pass
162.0985	18	16	88	Pass
164.6053	16	16	100	Pass
167.1121	16	16	100	Pass
169.6189	15	15	100	Pass
172.1258	14	15	107	Pass
174.6326	14	13	92	Pass
177.1394	14	13	92	Pass
179.6463	14	13	92	Pass
182.1531	13	13	100	Pass
184.6599	13	13	100	Pass
187.1668	13	12	92	Pass
189.6736	13	11	84	Pass
192.1804	13	10	76	Pass
194.6873	13	9	69	Pass
197.1941	13	9	69	Pass
199.7009	13	9	69	Pass
202.2078	13	8	61	Pass
204.7146	13	8	61	Pass
207.2214	13	8	61	Pass
209.7282	13	7	53	Pass
212.2351	12	6	50	Pass
214.7419	10	6	60	Pass
217.2487	10	6	60	Pass
219.7556	10	6	60	Pass
222.2624	10	6	60	Pass
224.7692	10	6	60	Pass
227.2761	10	6	60	Pass
229.7829	10	6	60	Pass
232.2897	10	6	60	Pass
234.7966	10	6	60	Pass
237.3034	10	6	60	Pass
239.8102	10	6	60	Pass
242.3171	10	6	60	Pass
244.8239	10	6	60	Pass
247.3307	10	6	60	Pass
249.8375	10	6	60	Pass
252.3444	10	6	60	Pass
254.8512	10	6	60	Pass
257.3580	10	6	60	Pass
259.8649	9	6	66	Pass
262.3717	9	6	66	Pass
264.8785	9	5	55	Pass
267.3854	9	5	55	Pass
269.8922	9	4	44	Pass
272.3990	9	4	44	Pass
274.9059	9	4	44	Pass

POC 9





+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #9
Total Pervious Area: 15.68
Total Impervious Area: 0

Mitigated Landuse Totals for POC #9
Total Pervious Area: 13.94
Total Impervious Area: 3.08

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #9

Return Period	**Flow(cfs)**
2 year	3.162086
5 year	6.599494
10 year	9.359542
25 year	13.355822

Flow Frequency Return Periods for Mitigated. POC #9

Return Period	**Flow(cfs)**
2 year	2.54053
5 year	4.670228
10 year	6.602012
25 year	11.170896

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #9

Year	**Pre-Project**	**Mitigated**
1965	3.650	2.747
1966	1.115	0.693
1967	3.909	3.690
1968	2.159	1.267
1969	3.943	2.642
1970	3.050	2.920
1971	3.843	2.456
1972	1.263	1.022
1973	7.044	4.756
1974	5.019	2.446
1975	2.357	0.897
1976	0.003	0.471
1977	0.003	0.088
1978	9.899	5.897
1979	2.684	1.641

1980	2.734	2.096
1981	2.677	2.077
1982	4.791	4.366
1983	7.156	4.981
1984	3.454	2.902
1985	2.199	1.660
1986	12.076	9.158
1987	2.457	1.479
1988	2.549	2.805
1989	4.193	2.100
1990	2.410	0.853
1991	3.226	2.943
1992	4.450	4.794
1993	3.548	2.962
1994	0.726	0.972
1995	17.906	18.329
1996	8.026	4.058
1997	9.545	7.376
1998	7.279	6.700
1999	1.877	1.283
2000	4.231	3.913
2001	2.445	1.100
2002	1.802	0.800
2003	3.101	2.629
2004	3.786	3.512

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #9

Rank	Pre-Project	Mitigated
1	17.9063	18.3285
2	12.0760	9.1578
3	9.8989	7.3757
4	9.5447	6.6999
5	8.0261	5.8972
6	7.2794	4.9808
7	7.1561	4.7944
8	7.0439	4.7557
9	5.0194	4.3663
10	4.7905	4.0584
11	4.4499	3.9129
12	4.2313	3.6900
13	4.1925	3.5119
14	3.9432	2.9618
15	3.9090	2.9433
16	3.8427	2.9198
17	3.7864	2.9023
18	3.6497	2.8046
19	3.5482	2.7468
20	3.4544	2.6422
21	3.2261	2.6291
22	3.1011	2.4562
23	3.0502	2.4465
24	2.7341	2.0999
25	2.6844	2.0958
26	2.6767	2.0772
27	2.5493	1.6601
28	2.4571	1.6408
29	2.4451	1.4789

30	2.4098	1.2827
31	2.3572	1.2666
32	2.1994	1.0997
33	2.1593	1.0224
34	1.8771	0.9720
35	1.8022	0.8972
36	1.2632	0.8531
37	1.1153	0.8002
38	0.7264	0.6933
39	0.0029	0.4708
40	0.0028	0.0884

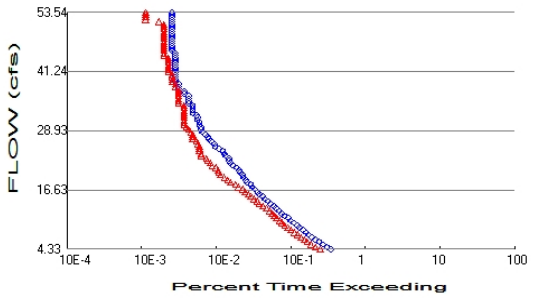
Duration Flows

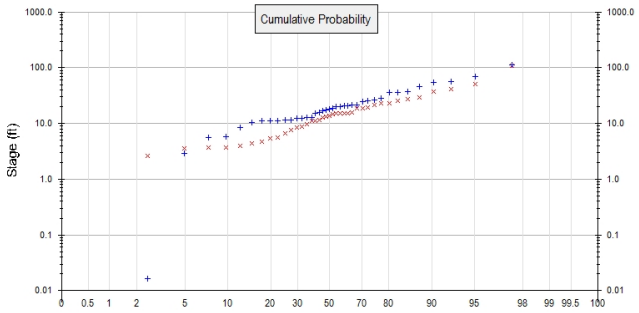
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.7905	1092	895	81	Pass
0.8771	988	781	79	Pass
0.9636	891	691	77	Pass
1.0502	815	622	76	Pass
1.1367	737	566	76	Pass
1.2233	660	516	78	Pass
1.3099	597	465	77	Pass
1.3964	542	417	76	Pass
1.4830	494	374	75	Pass
1.5695	444	348	78	Pass
1.6561	410	314	76	Pass
1.7426	378	290	76	Pass
1.8292	342	273	79	Pass
1.9157	315	254	80	Pass
2.0023	290	239	82	Pass
2.0889	271	221	81	Pass
2.1754	249	203	81	Pass
2.2620	229	188	82	Pass
2.3485	213	172	80	Pass
2.4351	196	161	82	Pass
2.5216	178	142	79	Pass
2.6082	160	132	82	Pass
2.6947	142	120	84	Pass
2.7813	129	112	86	Pass
2.8679	118	97	82	Pass
2.9544	114	91	79	Pass
3.0410	106	82	77	Pass
3.1275	95	77	81	Pass
3.2141	91	70	76	Pass
3.3006	81	65	80	Pass
3.3872	79	62	78	Pass
3.4738	74	56	75	Pass
3.5603	69	49	71	Pass
3.6469	66	42	63	Pass
3.7334	60	39	65	Pass
3.8200	54	37	68	Pass
3.9065	51	37	72	Pass
3.9931	47	34	72	Pass
4.0796	47	30	63	Pass
4.1662	47	29	61	Pass
4.2528	41	25	60	Pass
4.3393	38	24	63	Pass
4.4259	36	22	61	Pass
4.5124	34	22	64	Pass
4.5990	33	22	66	Pass
4.6855	31	22	70	Pass
4.7721	29	20	68	Pass
4.8586	24	19	79	Pass
4.9452	22	18	81	Pass
5.0318	19	17	89	Pass
5.1183	19	17	89	Pass
5.2049	19	17	89	Pass
5.2914	18	16	88	Pass

5.3780	17	16	94	Pass
5.4645	17	15	88	Pass
5.5511	16	15	93	Pass
5.6376	14	14	100	Pass
5.7242	14	14	100	Pass
5.8108	14	14	100	Pass
5.8973	14	14	100	Pass
5.9839	14	13	92	Pass
6.0704	13	12	92	Pass
6.1570	13	12	92	Pass
6.2435	13	12	92	Pass
6.3301	13	12	92	Pass
6.4166	13	12	92	Pass
6.5032	13	12	92	Pass
6.5898	13	12	92	Pass
6.6763	13	11	84	Pass
6.7629	13	10	76	Pass
6.8494	13	10	76	Pass
6.9360	13	10	76	Pass
7.0225	13	9	69	Pass
7.1091	12	9	75	Pass
7.1956	11	9	81	Pass
7.2822	10	8	80	Pass
7.3688	10	8	80	Pass
7.4553	10	7	70	Pass
7.5419	10	7	70	Pass
7.6284	10	7	70	Pass
7.7150	10	7	70	Pass
7.8015	10	7	70	Pass
7.8881	10	7	70	Pass
7.9746	10	7	70	Pass
8.0612	9	7	77	Pass
8.1478	9	7	77	Pass
8.2343	9	7	77	Pass
8.3209	9	7	77	Pass
8.4074	9	7	77	Pass
8.4940	9	7	77	Pass
8.5805	9	7	77	Pass
8.6671	9	7	77	Pass
8.7537	9	7	77	Pass
8.8402	9	7	77	Pass
8.9268	9	7	77	Pass
9.0133	9	6	66	Pass
9.0999	9	5	55	Pass
9.1864	9	4	44	Pass
9.2730	9	4	44	Pass
9.3595	9	4	44	Pass

POC 10





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #10
Total Pervious Area: 107.26
Total Impervious Area: 0

Mitigated Landuse Totals for POC #10
Total Pervious Area: 78.51
Total Impervious Area: 21.86

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #10

Return Period	**Flow(cfs)**
2 year	17.311561
5 year	34.566117
10 year	53.540612
25 year	79.828537

Flow Frequency Return Periods for Mitigated. POC #10

Return Period	**Flow(cfs)**
2 year	12.98791
5 year	23.358232
10 year	36.698783
25 year	64.472044

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #10

Year	**Pre-Project**	**Mitigated**
1965	18.014	14.685
1966	5.849	3.567
1967	20.961	19.688
1968	11.146	5.401
1969	21.423	13.771
1970	15.628	15.057
1971	20.945	13.135
1972	5.546	5.685
1973	36.581	23.298
1974	25.915	11.561
1975	12.557	3.643
1976	0.016	2.601
1977	0.015	0.581
1978	54.677	29.414
1979	12.997	8.566

1980	16.888	11.267
1981	12.585	11.131
1982	26.249	23.375
1983	36.448	27.114
1984	17.756	15.715
1985	11.164	8.834
1986	70.445	51.706
1987	11.259	7.577
1988	11.658	15.072
1989	20.023	9.654
1990	11.732	3.656
1991	18.716	15.070
1992	27.876	25.725
1993	21.596	15.018
1994	2.955	4.763
1995	113.194	109.861
1996	37.318	18.922
1997	55.628	41.011
1998	45.362	37.711
1999	10.557	6.690
2000	24.926	21.360
2001	12.997	4.458
2002	8.358	3.915
2003	15.472	12.848
2004	20.186	18.541

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #10

Rank	Pre-Project	Mitigated
1	113.1940	109.8610
2	70.4445	51.7064
3	55.6284	41.0105
4	54.6766	37.7106
5	45.3615	29.4137
6	37.3176	27.1136
7	36.5808	25.7254
8	36.4476	23.3752
9	27.8764	23.2979
10	26.2486	21.3603
11	25.9148	19.6877
12	24.9263	18.9224
13	21.5958	18.5412
14	21.4232	15.7151
15	20.9609	15.0721
16	20.9452	15.0696
17	20.1859	15.0571
18	20.0234	15.0176
19	18.7158	14.6847
20	18.0143	13.7705
21	17.7563	13.1345
22	16.8880	12.8483
23	15.6279	11.5607
24	15.4715	11.2674
25	12.9972	11.1306
26	12.9965	9.6545
27	12.5849	8.8344
28	12.5566	8.5656
29	11.7315	7.5768

30	11.6584	6.6901
31	11.2594	5.6852
32	11.1636	5.4007
33	11.1460	4.7627
34	10.5571	4.4582
35	8.3582	3.9149
36	5.8486	3.6555
37	5.5465	3.6435
38	2.9545	3.5673
39	0.0162	2.6009
40	0.0147	0.5806

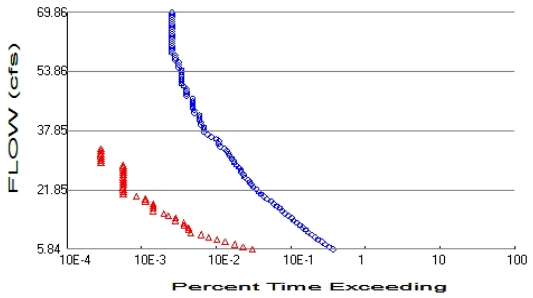
Duration Flows

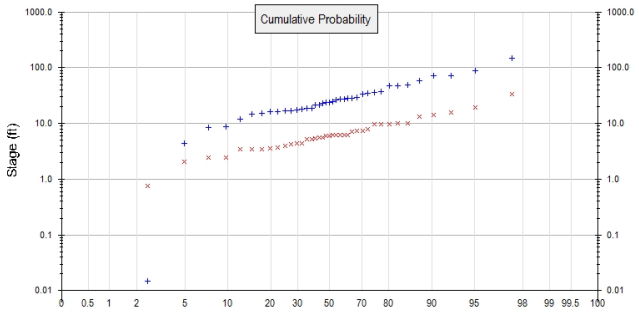
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
4.3279	1202	870	72	Pass
4.8250	1077	751	69	Pass
5.3221	957	653	68	Pass
5.8192	839	584	69	Pass
6.3163	747	528	70	Pass
6.8134	678	476	70	Pass
7.3105	610	432	70	Pass
7.8076	561	392	69	Pass
8.3047	509	350	68	Pass
8.8018	459	318	69	Pass
9.2989	424	290	68	Pass
9.7960	386	270	69	Pass
10.2931	348	250	71	Pass
10.7902	323	227	70	Pass
11.2873	289	211	73	Pass
11.7844	266	197	74	Pass
12.2815	246	183	74	Pass
12.7786	224	165	73	Pass
13.2757	206	148	71	Pass
13.7728	189	132	69	Pass
14.2699	174	124	71	Pass
14.7670	158	112	70	Pass
15.2641	147	102	69	Pass
15.7611	134	94	70	Pass
16.2582	126	85	67	Pass
16.7553	116	79	68	Pass
17.2524	107	70	65	Pass
17.7495	102	64	62	Pass
18.2466	91	54	59	Pass
18.7437	87	50	57	Pass
19.2408	82	45	54	Pass
19.7379	79	40	50	Pass
20.2350	73	38	52	Pass
20.7321	72	37	51	Pass
21.2292	67	35	52	Pass
21.7263	59	31	52	Pass
22.2234	54	29	53	Pass
22.7205	52	27	51	Pass
23.2176	52	26	50	Pass
23.7147	47	22	46	Pass
24.2118	45	22	48	Pass
24.7089	43	21	48	Pass
25.2060	38	21	55	Pass
25.7031	34	21	61	Pass
26.2002	33	20	60	Pass
26.6973	30	19	63	Pass
27.1944	28	17	60	Pass
27.6915	27	17	62	Pass
28.1886	25	17	68	Pass
28.6857	23	16	69	Pass
29.1828	22	15	68	Pass
29.6799	22	14	63	Pass
30.1770	21	13	61	Pass

30.6741	21	13	61	Pass
31.1712	20	13	65	Pass
31.6683	20	13	65	Pass
32.1654	19	13	68	Pass
32.6625	17	13	76	Pass
33.1596	17	13	76	Pass
33.6567	17	13	76	Pass
34.1538	17	13	76	Pass
34.6509	15	11	73	Pass
35.1480	15	11	73	Pass
35.6451	15	11	73	Pass
36.1422	15	11	73	Pass
36.6393	13	11	84	Pass
37.1364	13	11	84	Pass
37.6335	11	11	100	Pass
38.1306	11	10	90	Pass
38.6277	11	10	90	Pass
39.1248	10	9	90	Pass
39.6219	10	9	90	Pass
40.1190	10	9	90	Pass
40.6161	10	9	90	Pass
41.1132	10	8	80	Pass
41.6103	10	8	80	Pass
42.1074	10	8	80	Pass
42.6045	10	8	80	Pass
43.1015	10	8	80	Pass
43.5986	10	8	80	Pass
44.0957	10	8	80	Pass
44.5928	10	7	70	Pass
45.0899	10	7	70	Pass
45.5870	9	7	77	Pass
46.0841	9	7	77	Pass
46.5812	9	7	77	Pass
47.0783	9	7	77	Pass
47.5754	9	7	77	Pass
48.0725	9	7	77	Pass
48.5696	9	7	77	Pass
49.0667	9	7	77	Pass
49.5638	9	7	77	Pass
50.0609	9	7	77	Pass
50.5580	9	7	77	Pass
51.0551	9	7	77	Pass
51.5522	9	6	66	Pass
52.0493	9	4	44	Pass
52.5464	9	4	44	Pass
53.0435	9	4	44	Pass
53.5406	9	4	44	Pass

POC 11





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #11
Total Pervious Area: 137.95
Total Impervious Area: 0

Mitigated Landuse Totals for POC #11
Total Pervious Area: 26.77
Total Impervious Area: 3.62

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #11

Return Period	**Flow(cfs)**
2 year	23.375039
5 year	44.823759
10 year	69.858924
25 year	102.673429

Flow Frequency Return Periods for Mitigated. POC #11

Return Period	**Flow(cfs)**
2 year	5.78647
5 year	9.720834
10 year	14.29279
25 year	22.655615

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #11

Year	**Pre-Project**	**Mitigated**
1965	23.802	5.583
1966	8.518	2.408
1967	27.694	7.325
1968	15.379	3.951
1969	28.576	5.959
1970	21.347	6.276
1971	28.819	5.622
1972	8.843	2.410
1973	47.002	9.696
1974	35.725	7.445
1975	18.202	3.528
1976	0.015	0.749
1977	0.014	0.096
1978	71.504	14.421
1979	17.263	3.754

1980	22.969	5.227
1981	19.036	5.150
1982	35.212	9.728
1983	46.917	9.618
1984	23.866	6.168
1985	16.937	4.406
1986	89.765	19.593
1987	16.302	4.438
1988	16.688	6.016
1989	26.057	5.419
1990	16.473	3.466
1991	24.522	6.196
1992	37.380	9.926
1993	29.779	6.180
1994	4.385	2.036
1995	148.569	33.544
1996	49.714	10.162
1997	71.468	15.985
1998	58.274	13.367
1999	14.744	3.490
2000	34.124	7.866
2001	18.596	4.297
2002	12.090	3.466
2003	21.476	6.238
2004	27.095	7.092

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #11

Rank	Pre-Project	Mitigated
1	148.5690	33.5442
2	89.7653	19.5932
3	71.5043	15.9852
4	71.4679	14.4214
5	58.2743	13.3668
6	49.7143	10.1620
7	47.0024	9.9262
8	46.9174	9.7278
9	37.3797	9.6960
10	35.7247	9.6181
11	35.2119	7.8658
12	34.1242	7.4446
13	29.7794	7.3252
14	28.8194	7.0924
15	28.5761	6.2763
16	27.6943	6.2380
17	27.0946	6.1964
18	26.0573	6.1803
19	24.5218	6.1680
20	23.8661	6.0160
21	23.8018	5.9591
22	22.9686	5.6221
23	21.4764	5.5829
24	21.3466	5.4191
25	19.0360	5.2275
26	18.5960	5.1500
27	18.2024	4.4383
28	17.2634	4.4058
29	16.9369	4.2975

30	16.6876	3.9511
31	16.4734	3.7538
32	16.3023	3.5279
33	15.3791	3.4896
34	14.7443	3.4659
35	12.0899	3.4658
36	8.8427	2.4104
37	8.5177	2.4083
38	4.3849	2.0361
39	0.0148	0.7492
40	0.0145	0.0961

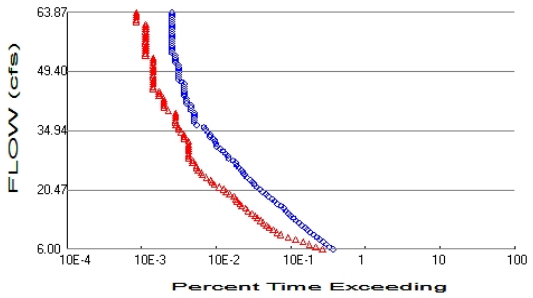
Duration Flows

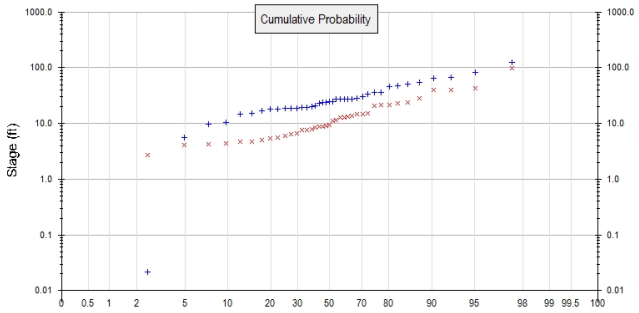
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
5.8438	1287	107	8	Pass
6.4904	1142	80	7	Pass
7.1370	1023	62	6	Pass
7.7836	916	46	5	Pass
8.4302	809	36	4	Pass
9.0768	737	28	3	Pass
9.7235	667	22	3	Pass
10.3701	602	16	2	Pass
11.0167	554	15	2	Pass
11.6633	510	15	2	Pass
12.3099	466	13	2	Pass
12.9566	421	13	3	Pass
13.6032	391	10	2	Pass
14.2498	357	10	2	Pass
14.8964	323	8	2	Pass
15.5430	291	7	2	Pass
16.1896	269	5	1	Pass
16.8363	251	5	1	Pass
17.4829	227	5	2	Pass
18.1295	210	5	2	Pass
18.7761	192	4	2	Pass
19.4227	169	4	2	Pass
20.0694	151	3	1	Pass
20.7160	140	2	1	Pass
21.3626	130	2	1	Pass
22.0092	122	2	1	Pass
22.6558	111	2	1	Pass
23.3024	103	2	1	Pass
23.9491	99	2	2	Pass
24.5957	93	2	2	Pass
25.2423	85	2	2	Pass
25.8889	82	2	2	Pass
26.5355	77	2	2	Pass
27.1821	75	2	2	Pass
27.8288	71	2	2	Pass
28.4754	66	2	3	Pass
29.1220	61	1	1	Pass
29.7686	60	1	1	Pass
30.4152	57	1	1	Pass
31.0619	53	1	1	Pass
31.7085	51	1	1	Pass
32.3551	49	1	2	Pass
33.0017	45	1	2	Pass
33.6483	40	0	0	Pass
34.2949	38	0	0	Pass
34.9416	38	0	0	Pass
35.5882	35	0	0	Pass
36.2348	30	0	0	Pass
36.8814	27	0	0	Pass
37.5280	24	0	0	Pass
38.1747	24	0	0	Pass
38.8213	24	0	0	Pass
39.4679	22	0	0	Pass

40.1145	22	0	0	Pass
40.7611	21	0	0	Pass
41.4077	21	0	0	Pass
42.0544	21	0	0	Pass
42.7010	18	0	0	Pass
43.3476	18	0	0	Pass
43.9942	17	0	0	Pass
44.6408	17	0	0	Pass
45.2874	17	0	0	Pass
45.9341	17	0	0	Pass
46.5807	17	0	0	Pass
47.2273	14	0	0	Pass
47.8739	14	0	0	Pass
48.5205	14	0	0	Pass
49.1672	14	0	0	Pass
49.8138	13	0	0	Pass
50.4604	12	0	0	Pass
51.1070	12	0	0	Pass
51.7536	12	0	0	Pass
52.4002	12	0	0	Pass
53.0469	12	0	0	Pass
53.6935	12	0	0	Pass
54.3401	12	0	0	Pass
54.9867	11	0	0	Pass
55.6333	11	0	0	Pass
56.2799	11	0	0	Pass
56.9266	10	0	0	Pass
57.5732	10	0	0	Pass
58.2198	10	0	0	Pass
58.8664	9	0	0	Pass
59.5130	9	0	0	Pass
60.1597	9	0	0	Pass
60.8063	9	0	0	Pass
61.4529	9	0	0	Pass
62.0995	9	0	0	Pass
62.7461	9	0	0	Pass
63.3927	9	0	0	Pass
64.0394	9	0	0	Pass
64.6860	9	0	0	Pass
65.3326	9	0	0	Pass
65.9792	9	0	0	Pass
66.6258	9	0	0	Pass
67.2725	9	0	0	Pass
67.9191	9	0	0	Pass
68.5657	9	0	0	Pass
69.2123	9	0	0	Pass
69.8589	9	0	0	Pass

POC 12





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #12
Total Pervious Area: 111.26
Total Impervious Area: 0

Mitigated Landuse Totals for POC #12
Total Pervious Area: 77.3
Total Impervious Area: 27.63

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #12

Return Period	**Flow(cfs)**
2 year	24.010654
5 year	44.465346
10 year	63.869739
25 year	91.16999

Flow Frequency Return Periods for Mitigated. POC #12

Return Period	**Flow(cfs)**
2 year	8.994538
5 year	21.60348
10 year	38.09329
25 year	54.916183

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #12

Year	**Pre-Project**	**Mitigated**
1965	24.861	13.047
1966	9.712	4.400
1967	27.927	20.946
1968	16.734	5.441
1969	27.692	8.703
1970	22.703	11.115
1971	27.637	15.094
1972	10.586	6.033
1973	47.055	14.905
1974	36.378	8.395
1975	18.558	4.296
1976	0.022	2.673
1977	0.020	0.624
1978	67.489	23.344
1979	18.561	7.544

1980	21.027	7.836
1981	19.694	9.077
1982	36.370	21.666
1983	46.740	28.160
1984	23.807	13.030
1985	18.519	7.623
1986	81.691	43.006
1987	17.799	6.518
1988	19.319	13.642
1989	27.676	6.605
1990	18.261	4.097
1991	24.730	9.343
1992	34.091	21.382
1993	27.159	11.653
1994	5.644	5.011
1995	124.872	97.264
1996	53.761	12.939
1997	65.274	40.410
1998	51.215	39.473
1999	15.070	5.678
2000	30.518	23.744
2001	19.846	4.681
2002	14.617	4.718
2003	24.225	8.916
2004	27.326	14.583

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #12

Rank	Pre-Project	Mitigated
1	124.8720	97.2635
2	81.6913	43.0060
3	67.4892	40.4095
4	65.2738	39.4729
5	53.7605	28.1601
6	51.2146	23.7438
7	47.0547	23.3443
8	46.7398	21.6658
9	36.3784	21.3819
10	36.3704	20.9455
11	34.0906	15.0938
12	30.5181	14.9053
13	27.9272	14.5834
14	27.6915	13.6419
15	27.6758	13.0470
16	27.6370	13.0302
17	27.3262	12.9391
18	27.1592	11.6533
19	24.8606	11.1153
20	24.7300	9.3428
21	24.2247	9.0765
22	23.8068	8.9165
23	22.7026	8.7030
24	21.0268	8.3955
25	19.8456	7.8358
26	19.6940	7.6234
27	19.3186	7.5437
28	18.5605	6.6047
29	18.5580	6.5182

30	18.5188	6.0332
31	18.2612	5.6775
32	17.7987	5.4413
33	16.7344	5.0108
34	15.0699	4.7177
35	14.6170	4.6808
36	10.5860	4.3996
37	9.7116	4.2964
38	5.6442	4.0971
39	0.0219	2.6729
40	0.0197	0.6236

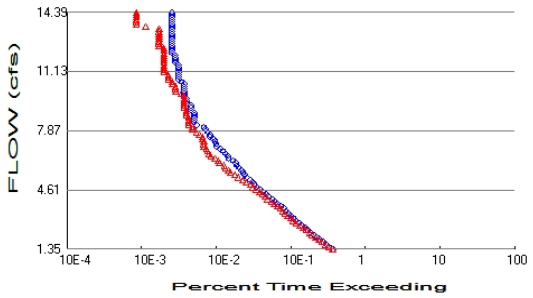
Duration Flows

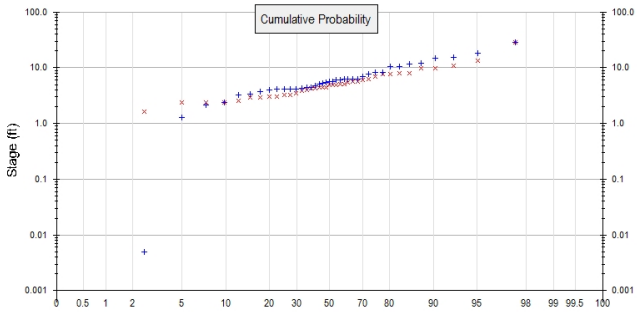
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
6.0027	1292	938	72	Pass
6.5872	1146	754	65	Pass
7.1717	1041	622	59	Pass
7.7562	940	510	54	Pass
8.3407	856	407	47	Pass
8.9252	787	322	40	Pass
9.5098	708	258	36	Pass
10.0943	641	229	35	Pass
10.6788	588	203	34	Pass
11.2633	543	179	32	Pass
11.8478	498	165	33	Pass
12.4323	454	152	33	Pass
13.0169	417	138	33	Pass
13.6014	380	124	32	Pass
14.1859	352	116	32	Pass
14.7704	323	106	32	Pass
15.3549	302	93	30	Pass
15.9394	281	87	30	Pass
16.5239	260	77	29	Pass
17.1085	233	73	31	Pass
17.6930	216	67	31	Pass
18.2775	198	64	32	Pass
18.8620	175	61	34	Pass
19.4465	162	53	32	Pass
20.0310	148	48	32	Pass
20.6156	135	44	32	Pass
21.2001	124	39	31	Pass
21.7846	114	33	28	Pass
22.3691	108	31	28	Pass
22.9536	101	30	29	Pass
23.5381	91	26	28	Pass
24.1227	84	23	27	Pass
24.7072	80	22	27	Pass
25.2917	77	20	25	Pass
25.8762	71	19	26	Pass
26.4607	66	19	28	Pass
27.0452	64	17	26	Pass
27.6298	59	17	28	Pass
28.2143	51	15	29	Pass
28.7988	50	15	30	Pass
29.3833	47	15	31	Pass
29.9678	43	15	34	Pass
30.5523	40	15	37	Pass
31.1368	36	15	41	Pass
31.7214	35	15	42	Pass
32.3059	34	15	44	Pass
32.8904	32	13	40	Pass
33.4749	29	13	44	Pass
34.0594	29	13	44	Pass
34.6439	27	12	44	Pass
35.2285	25	11	44	Pass
35.8130	24	11	45	Pass
36.3975	19	10	52	Pass

36.9820	18	10	55	Pass
37.5665	18	10	55	Pass
38.1510	18	10	55	Pass
38.7356	18	10	55	Pass
39.3201	18	10	55	Pass
39.9046	16	8	50	Pass
40.4891	16	7	43	Pass
41.0736	16	7	43	Pass
41.6581	14	7	50	Pass
42.2427	14	7	50	Pass
42.8272	14	7	50	Pass
43.4117	13	6	46	Pass
43.9962	13	6	46	Pass
44.5807	13	6	46	Pass
45.1652	13	5	38	Pass
45.7497	13	5	38	Pass
46.3343	13	5	38	Pass
46.9188	12	5	41	Pass
47.5033	11	5	45	Pass
48.0878	11	5	45	Pass
48.6723	11	5	45	Pass
49.2568	11	5	45	Pass
49.8414	11	5	45	Pass
50.4259	11	5	45	Pass
51.0104	11	5	45	Pass
51.5949	10	5	50	Pass
52.1794	10	5	50	Pass
52.7639	10	5	50	Pass
53.3485	10	4	40	Pass
53.9330	9	4	44	Pass
54.5175	9	4	44	Pass
55.1020	9	4	44	Pass
55.6865	9	4	44	Pass
56.2710	9	4	44	Pass
56.8555	9	4	44	Pass
57.4401	9	4	44	Pass
58.0246	9	4	44	Pass
58.6091	9	4	44	Pass
59.1936	9	4	44	Pass
59.7781	9	4	44	Pass
60.3626	9	4	44	Pass
60.9472	9	4	44	Pass
61.5317	9	3	33	Pass
62.1162	9	3	33	Pass
62.7007	9	3	33	Pass
63.2852	9	3	33	Pass
63.8697	9	3	33	Pass

POC 13





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #13
Total Pervious Area: 25.07
Total Impervious Area: 0

Mitigated Landuse Totals for POC #13
Total Pervious Area: 14.25
Total Impervious Area: 10.18

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #13

Return Period	**Flow(cfs)**
2 year	5.410272
5 year	10.019298
10 year	14.391634
25 year	20.543232

Flow Frequency Return Periods for Mitigated. POC #13

Return Period	**Flow(cfs)**
2 year	4.46541
5 year	7.788975
10 year	9.92085
25 year	16.862849

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #13

Year	**Pre-Project**	**Mitigated**
1965	5.602	4.511
1966	2.188	2.369
1967	6.293	5.992
1968	3.771	3.215
1969	6.240	4.216
1970	5.116	4.959
1971	6.227	4.262
1972	2.385	2.356
1973	10.603	8.119
1974	8.197	4.876
1975	4.182	2.363
1976	0.005	1.657
1977	0.004	0.383
1978	15.207	9.909
1979	4.182	3.246

1980	4.738	4.008
1981	4.438	4.412
1982	8.195	7.000
1983	10.532	7.789
1984	5.364	4.927
1985	4.173	3.090
1986	18.407	13.579
1987	4.011	3.812
1988	4.353	5.416
1989	6.236	4.422
1990	4.115	2.518
1991	5.572	5.100
1992	7.682	7.789
1993	6.120	5.036
1994	1.272	3.446
1995	28.137	28.538
1996	12.114	8.070
1997	14.708	10.969
1998	11.540	9.923
1999	3.396	2.983
2000	6.877	6.300
2001	4.472	3.065
2002	3.294	2.909
2003	5.459	5.562
2004	6.157	5.743

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #13

Rank	Pre-Project	Mitigated
1	28.1373	28.5384
2	18.4074	13.5791
3	15.2072	10.9688
4	14.7080	9.9226
5	12.1138	9.9085
6	11.5401	8.1188
7	10.6027	8.0704
8	10.5318	7.7890
9	8.1971	7.7888
10	8.1953	7.0001
11	7.6816	6.2999
12	6.8766	5.9916
13	6.2928	5.7431
14	6.2397	5.5624
15	6.2361	5.4159
16	6.2274	5.0997
17	6.1574	5.0358
18	6.1197	4.9588
19	5.6018	4.9272
20	5.5724	4.8760
21	5.4585	4.5110
22	5.3643	4.4220
23	5.1155	4.4120
24	4.7379	4.2623
25	4.4718	4.2158
26	4.4376	4.0077
27	4.3530	3.8116
28	4.1822	3.4464
29	4.1816	3.2460

30	4.1728	3.2152
31	4.1148	3.0903
32	4.0106	3.0647
33	3.7707	2.9827
34	3.3957	2.9094
35	3.2936	2.5181
36	2.3853	2.3694
37	2.1883	2.3625
38	1.2718	2.3563
39	0.0049	1.6567
40	0.0044	0.3830

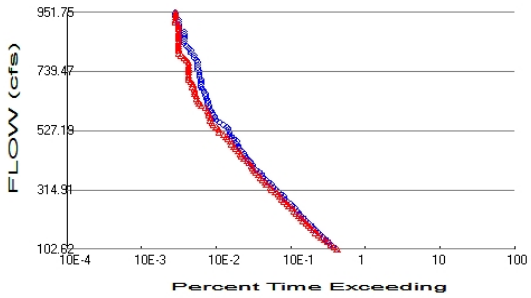
Duration Flows

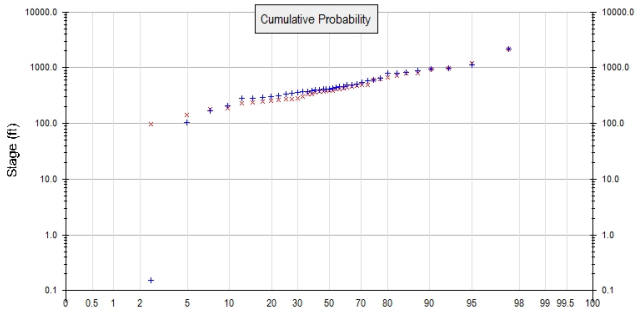
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
1.3526	1293	1271	98	Pass
1.4843	1147	1128	98	Pass
1.6160	1042	1014	97	Pass
1.7477	940	907	96	Pass
1.8794	856	833	97	Pass
2.0111	787	750	95	Pass
2.1428	708	685	96	Pass
2.2745	641	626	97	Pass
2.4062	588	565	96	Pass
2.5379	543	512	94	Pass
2.6696	498	467	93	Pass
2.8014	454	414	91	Pass
2.9331	417	380	91	Pass
3.0648	380	350	92	Pass
3.1965	352	320	90	Pass
3.3282	323	291	90	Pass
3.4599	301	273	90	Pass
3.5916	281	253	90	Pass
3.7233	259	232	89	Pass
3.8550	232	210	90	Pass
3.9867	216	192	88	Pass
4.1184	198	171	86	Pass
4.2501	175	159	90	Pass
4.3818	162	147	90	Pass
4.5136	148	133	89	Pass
4.6453	135	122	90	Pass
4.7770	124	110	88	Pass
4.9087	114	101	88	Pass
5.0404	108	88	81	Pass
5.1721	101	79	78	Pass
5.3038	91	69	75	Pass
5.4355	84	62	73	Pass
5.5672	80	54	67	Pass
5.6989	77	51	66	Pass
5.8306	71	47	66	Pass
5.9623	66	45	68	Pass
6.0940	64	39	60	Pass
6.2258	59	37	62	Pass
6.3575	51	34	66	Pass
6.4892	50	30	60	Pass
6.6209	47	28	59	Pass
6.7526	43	27	62	Pass
6.8843	40	26	65	Pass
7.0160	36	24	66	Pass
7.1477	35	24	68	Pass
7.2794	34	24	70	Pass
7.4111	32	23	71	Pass
7.5428	29	23	79	Pass
7.6745	29	21	72	Pass
7.8062	27	19	70	Pass
7.9380	25	17	68	Pass
8.0697	24	17	70	Pass
8.2014	19	15	78	Pass

8.3331	18	15	83	Pass
8.4648	18	15	83	Pass
8.5965	18	15	83	Pass
8.7282	18	14	77	Pass
8.8599	18	14	77	Pass
8.9916	16	14	87	Pass
9.1233	16	13	81	Pass
9.2550	16	13	81	Pass
9.3867	14	13	92	Pass
9.5184	14	13	92	Pass
9.6502	14	13	92	Pass
9.7819	13	13	100	Pass
9.9136	13	12	92	Pass
10.0453	13	10	76	Pass
10.1770	13	10	76	Pass
10.3087	13	10	76	Pass
10.4404	13	9	69	Pass
10.5721	12	9	75	Pass
10.7038	11	8	72	Pass
10.8355	11	8	72	Pass
10.9672	11	8	72	Pass
11.0989	11	7	63	Pass
11.2306	11	7	63	Pass
11.3624	11	7	63	Pass
11.4941	11	7	63	Pass
11.6258	10	7	70	Pass
11.7575	10	7	70	Pass
11.8892	10	7	70	Pass
12.0209	10	7	70	Pass
12.1526	9	7	77	Pass
12.2843	9	7	77	Pass
12.4160	9	7	77	Pass
12.5477	9	6	66	Pass
12.6794	9	6	66	Pass
12.8111	9	6	66	Pass
12.9428	9	6	66	Pass
13.0746	9	6	66	Pass
13.2063	9	6	66	Pass
13.3380	9	6	66	Pass
13.4697	9	6	66	Pass
13.6014	9	4	44	Pass
13.7331	9	3	33	Pass
13.8648	9	3	33	Pass
13.9965	9	3	33	Pass
14.1282	9	3	33	Pass
14.2599	9	3	33	Pass
14.3916	9	3	33	Pass

POC 17





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #17
Total Pervious Area: 2031.62
Total Impervious Area: 0

Mitigated Landuse Totals for POC #17
Total Pervious Area: 1547.47
Total Impervious Area: 528.79

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #17

Return Period	**Flow(cfs)**
2 year	410.498976
5 year	754.378317
10 year	951.747366
25 year	1364.519756

Flow Frequency Return Periods for Mitigated. POC #17

Return Period	**Flow(cfs)**
2 year	380.105366
5 year	665.184634
10 year	934.161512
25 year	1432.703415

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #17

Year	**Pre-Project**	**Mitigated**
1965	398.697	365.651
1966	166.705	184.256
1967	500.364	495.582
1968	279.463	269.556
1969	440.743	381.371
1970	436.241	387.850
1971	462.308	342.154
1972	210.580	181.595
1973	785.058	709.748
1974	578.282	475.033
1975	331.115	231.239
1976	0.155	95.907
1977	0.107	16.720
1978	976.391	952.387
1979	307.015	252.147

1980	413.503	331.286
1981	407.638	371.025
1982	605.967	601.381
1983	800.594	677.980
1984	405.670	378.900
1985	375.323	270.742
1986	1137.610	1221.210
1987	352.006	300.764
1988	355.908	385.590
1989	467.016	418.337
1990	314.665	260.405
1991	419.905	424.393
1992	645.295	619.690
1993	496.113	421.076
1994	103.203	144.024
1995	2171.310	2184.680
1996	888.174	788.448
1997	960.577	983.326
1998	831.168	802.938
1999	298.441	246.328
2000	552.470	494.352
2001	373.125	283.514
2002	288.029	237.804
2003	385.285	442.645
2004	502.274	463.242

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #17

Rank	Pre-Project	Mitigated
1	2171.3100	2184.6800
2	1137.6100	1221.2100
3	976.3910	983.3260
4	960.5770	952.3870
5	888.1740	802.9380
6	831.1680	788.4480
7	800.5940	709.7480
8	785.0580	677.9800
9	645.2950	619.6900
10	605.9670	601.3810
11	578.2820	495.5820
12	552.4700	494.3520
13	502.2740	475.0330
14	500.3640	463.2420
15	496.1130	442.6450
16	467.0160	424.3930
17	462.3080	421.0760
18	440.7430	418.3370
19	436.2410	387.8500
20	419.9050	385.5900
21	413.5030	381.3710
22	407.6380	378.9000
23	405.6700	371.0250
24	398.6970	365.6510
25	385.2850	342.1540
26	375.3230	331.2860
27	373.1250	300.7640
28	355.9080	283.5140
29	352.0060	270.7420

30	331.1150	269.5560
31	314.6650	260.4050
32	307.0150	252.1470
33	298.4410	246.3280
34	288.0290	237.8040
35	279.4630	231.2390
36	210.5800	184.2560
37	166.7050	181.5950
38	103.2030	144.0240
39	0.1554	95.9066
40	0.1066	16.7196

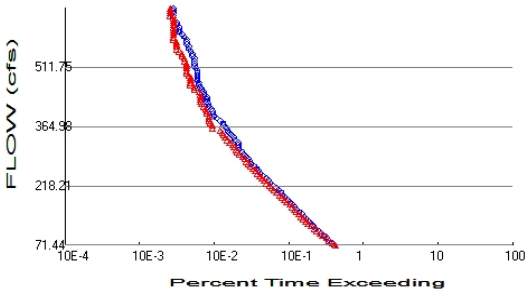
Duration Flows

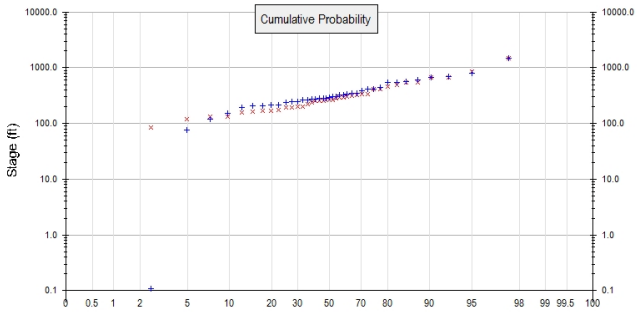
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
102.6247	1426	1457	102	Pass
111.2017	1312	1327	101	Pass
119.7787	1207	1195	99	Pass
128.3557	1115	1079	96	Pass
136.9327	1033	987	95	Pass
145.5097	950	899	94	Pass
154.0867	879	824	93	Pass
162.6637	810	762	94	Pass
171.2407	743	698	93	Pass
179.8177	703	649	92	Pass
188.3947	657	599	91	Pass
196.9717	608	559	91	Pass
205.5487	565	520	92	Pass
214.1257	518	478	92	Pass
222.7027	478	446	93	Pass
231.2797	454	414	91	Pass
239.8567	426	391	91	Pass
248.4337	399	365	91	Pass
257.0107	368	332	90	Pass
265.5877	345	311	90	Pass
274.1647	312	284	91	Pass
282.7417	295	263	89	Pass
291.3187	281	251	89	Pass
299.8957	259	237	91	Pass
308.4727	241	219	90	Pass
317.0496	222	198	89	Pass
325.6266	203	186	91	Pass
334.2036	192	166	86	Pass
342.7806	177	159	89	Pass
351.3576	163	147	90	Pass
359.9346	151	140	92	Pass
368.5116	144	130	90	Pass
377.0886	135	119	88	Pass
385.6656	122	113	92	Pass
394.2426	111	108	97	Pass
402.8196	109	104	95	Pass
411.3966	102	97	95	Pass
419.9736	98	92	93	Pass
428.5506	90	82	91	Pass
437.1276	86	76	88	Pass
445.7046	83	74	89	Pass
454.2816	76	70	92	Pass
462.8586	72	64	88	Pass
471.4356	70	61	87	Pass
480.0126	67	57	85	Pass
488.5896	66	55	83	Pass
497.1666	61	50	81	Pass
505.7436	57	48	84	Pass
514.3206	53	44	83	Pass
522.8976	53	38	71	Pass
531.4746	51	38	74	Pass
540.0515	49	35	71	Pass
548.6285	44	32	72	Pass

557.2055	39	31	79	Pass
565.7825	36	29	80	Pass
574.3595	34	29	85	Pass
582.9365	32	28	87	Pass
591.5135	31	28	90	Pass
600.0905	30	27	90	Pass
608.6675	28	25	89	Pass
617.2445	28	22	78	Pass
625.8215	27	21	77	Pass
634.3985	27	20	74	Pass
642.9755	26	19	73	Pass
651.5525	25	19	76	Pass
660.1295	25	18	72	Pass
668.7065	24	18	75	Pass
677.2835	23	18	78	Pass
685.8605	22	17	77	Pass
694.4375	22	17	77	Pass
703.0145	22	16	72	Pass
711.5915	22	15	68	Pass
720.1685	21	15	71	Pass
728.7455	21	15	71	Pass
737.3225	21	15	71	Pass
745.8995	20	15	75	Pass
754.4765	20	15	75	Pass
763.0535	20	15	75	Pass
771.6304	20	15	75	Pass
780.2074	19	14	73	Pass
788.7844	18	13	72	Pass
797.3614	18	12	66	Pass
805.9384	16	11	68	Pass
814.5154	16	11	68	Pass
823.0924	15	11	73	Pass
831.6694	14	11	78	Pass
840.2464	13	11	84	Pass
848.8234	13	11	84	Pass
857.4004	13	11	84	Pass
865.9774	13	11	84	Pass
874.5544	13	11	84	Pass
883.1314	13	11	84	Pass
891.7084	11	11	100	Pass
900.2854	11	11	100	Pass
908.8624	11	11	100	Pass
917.4394	11	10	90	Pass
926.0164	11	10	90	Pass
934.5934	10	10	100	Pass
943.1704	10	10	100	Pass
951.7474	10	10	100	Pass

POC 20





+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #20
Total Pervious Area: 1366.4
Total Impervious Area: 0

Mitigated Landuse Totals for POC #20
Total Pervious Area: 946.33
Total Impervious Area: 429.06

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #20

Return Period	**Flow(cfs)**
2 year	285.778927
5 year	517.75161
10 year	658.519805
25 year	941.967024

Flow Frequency Return Periods for Mitigated. POC #20

Return Period	**Flow(cfs)**
2 year	259.500195
5 year	453.598854
10 year	657.746561
25 year	993.965317

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #20

Year	**Pre-Project**	**Mitigated**
1965	272.651	254.092
1966	118.476	132.312
1967	341.584	333.366
1968	193.250	194.428
1969	308.053	261.592
1970	301.042	254.930
1971	328.256	237.956
1972	150.565	132.901
1973	539.860	487.121
1974	411.415	334.498
1975	237.242	157.428
1976	0.108	83.597
1977	0.075	13.813
1978	688.028	672.019
1979	211.701	171.889

1980	285.316	224.093
1981	289.850	265.210
1982	415.642	418.921
1983	549.387	463.352
1984	281.245	257.508
1985	270.358	195.636
1986	785.279	848.749
1987	244.395	202.245
1988	247.376	265.299
1989	324.049	293.094
1990	215.712	177.283
1991	286.265	294.920
1992	439.144	411.766
1993	349.683	284.303
1994	77.209	118.621
1995	1499.080	1510.290
1996	615.592	548.501
1997	664.482	677.542
1998	564.744	554.985
1999	205.822	162.360
2000	388.694	329.129
2001	262.171	200.282
2002	205.014	170.623
2003	265.660	314.712
2004	348.207	306.493

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #20

Rank	Pre-Project	Mitigated
1	1499.0800	1510.2900
2	785.2790	848.7490
3	688.0280	677.5420
4	664.4820	672.0190
5	615.5920	554.9850
6	564.7440	548.5010
7	549.3870	487.1210
8	539.8600	463.3520
9	439.1440	418.9210
10	415.6420	411.7660
11	411.4150	334.4980
12	388.6940	333.3660
13	349.6830	329.1290
14	348.2070	314.7120
15	341.5840	306.4930
16	328.2560	294.9200
17	324.0490	293.0940
18	308.0530	284.3030
19	301.0420	265.2990
20	289.8500	265.2100
21	286.2650	261.5920
22	285.3160	257.5080
23	281.2450	254.9300
24	272.6510	254.0920
25	270.3580	237.9560
26	265.6600	224.0930
27	262.1710	202.2450
28	247.3760	200.2820
29	244.3950	195.6360

30	237.2420	194.4280
31	215.7120	177.2830
32	211.7010	171.8890
33	205.8220	170.6230
34	205.0140	162.3600
35	193.2500	157.4280
36	150.5650	132.9010
37	118.4760	132.3120
38	77.2089	118.6210
39	0.1079	83.5968
40	0.0751	13.8125

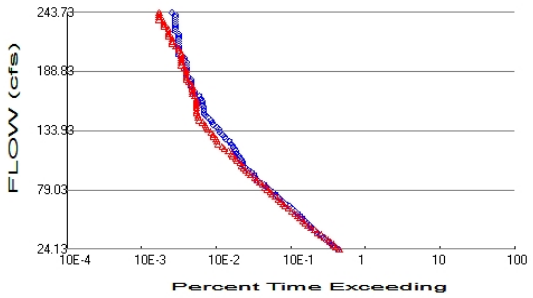
Duration Flows

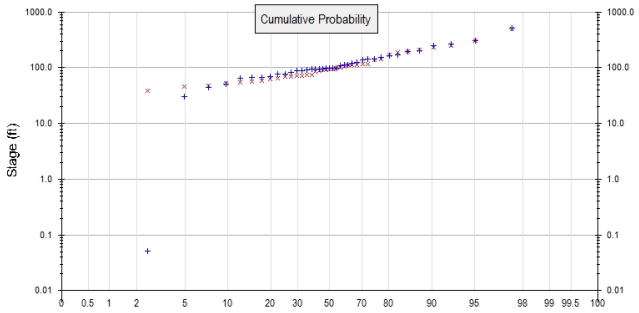
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
71.4447	1416	1475	104	Pass
77.3748	1313	1360	103	Pass
83.3048	1212	1233	101	Pass
89.2349	1131	1122	99	Pass
95.1649	1029	1004	97	Pass
101.0950	956	918	96	Pass
107.0250	878	840	95	Pass
112.9551	806	776	96	Pass
118.8851	748	704	94	Pass
124.8152	692	640	92	Pass
130.7452	655	596	90	Pass
136.6753	609	556	91	Pass
142.6053	561	520	92	Pass
148.5354	524	482	91	Pass
154.4654	485	443	91	Pass
160.3955	448	417	93	Pass
166.3256	421	389	92	Pass
172.2556	391	362	92	Pass
178.1857	362	332	91	Pass
184.1157	335	307	91	Pass
190.0458	311	289	92	Pass
195.9758	290	267	92	Pass
201.9059	278	242	87	Pass
207.8359	258	222	86	Pass
213.7660	236	207	87	Pass
219.6960	214	195	91	Pass
225.6261	200	176	88	Pass
231.5561	187	164	87	Pass
237.4862	174	153	87	Pass
243.4162	158	143	90	Pass
249.3463	147	134	91	Pass
255.2763	138	126	91	Pass
261.2064	131	117	89	Pass
267.1364	121	107	88	Pass
273.0665	110	101	91	Pass
278.9965	106	96	90	Pass
284.9266	100	90	90	Pass
290.8566	94	86	91	Pass
296.7867	87	76	87	Pass
302.7167	83	72	86	Pass
308.6468	77	69	89	Pass
314.5768	75	65	86	Pass
320.5069	74	62	83	Pass
326.4369	73	57	78	Pass
332.3670	66	53	80	Pass
338.2970	64	49	76	Pass
344.2271	60	47	78	Pass
350.1571	56	45	80	Pass
356.0872	53	42	79	Pass
362.0172	51	33	64	Pass
367.9473	47	33	70	Pass
373.8773	46	31	67	Pass
379.8074	42	30	71	Pass

385.7374	38	30	78	Pass
391.6675	35	30	85	Pass
397.5976	34	28	82	Pass
403.5276	33	28	84	Pass
409.4577	32	27	84	Pass
415.3877	30	25	83	Pass
421.3178	29	24	82	Pass
427.2478	28	23	82	Pass
433.1779	28	23	82	Pass
439.1079	28	23	82	Pass
445.0380	26	23	88	Pass
450.9680	25	22	88	Pass
456.8981	24	19	79	Pass
462.8281	23	19	82	Pass
468.7582	22	17	77	Pass
474.6882	22	17	77	Pass
480.6183	21	17	80	Pass
486.5483	21	17	80	Pass
492.4784	21	16	76	Pass
498.4084	21	15	71	Pass
504.3385	21	15	71	Pass
510.2685	20	15	75	Pass
516.1986	19	15	78	Pass
522.1286	19	15	78	Pass
528.0587	19	14	73	Pass
533.9887	19	14	73	Pass
539.9188	18	13	72	Pass
545.8488	18	13	72	Pass
551.7789	17	12	70	Pass
557.7089	16	11	68	Pass
563.6390	16	11	68	Pass
569.5690	15	11	73	Pass
575.4991	15	11	73	Pass
581.4291	15	10	66	Pass
587.3592	14	10	71	Pass
593.2892	13	10	76	Pass
599.2193	12	10	83	Pass
605.1493	12	10	83	Pass
611.0794	12	10	83	Pass
617.0094	11	10	90	Pass
622.9395	11	10	90	Pass
628.8695	10	10	100	Pass
634.7996	10	10	100	Pass
640.7297	10	9	90	Pass
646.6597	10	9	90	Pass
652.5898	10	9	90	Pass
658.5198	10	9	90	Pass

POC 21





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #21
Total Pervious Area: 448.69
Total Impervious Area: 0

Mitigated Landuse Totals for POC #21
Total Pervious Area: 265.84
Total Impervious Area: 202.14

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #21

Return Period	**Flow(cfs)**
2 year	96.534468
5 year	164.718878
10 year	243.728927
25 year	351.837537

Flow Frequency Return Periods for Mitigated. POC #21

Return Period	**Flow(cfs)**
2 year	91.515007
5 year	163.175293
10 year	233.061122
25 year	349.44361

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #21

Year	**Pre-Project**	**Mitigated**
1965	90.624	98.412
1966	43.694	47.179
1967	108.588	117.386
1968	68.275	65.323
1969	112.166	86.096
1970	95.314	87.030
1971	121.582	75.391
1972	51.403	46.481
1973	167.328	193.724
1974	155.442	113.717
1975	87.968	52.289
1976	0.051	39.336
1977	0.029	7.371
1978	266.317	247.902
1979	69.576	58.468

1980	93.923	74.084
1981	99.232	91.215
1982	144.813	145.747
1983	171.537	168.077
1984	96.874	94.392
1985	94.638	69.703
1986	303.794	305.753
1987	78.350	73.088
1988	82.423	95.444
1989	99.805	115.769
1990	77.021	63.305
1991	96.211	100.109
1992	144.538	140.527
1993	123.914	91.830
1994	29.917	54.031
1995	522.659	504.788
1996	202.566	212.578
1997	249.446	235.906
1998	197.955	192.124
1999	65.395	56.563
2000	137.757	113.605
2001	89.743	71.409
2002	67.219	70.383
2003	98.176	113.076
2004	112.492	105.211

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #21

Rank	Pre-Project	Mitigated
1	522.6590	504.7880
2	303.7940	305.7530
3	266.3170	247.9020
4	249.4460	235.9060
5	202.5660	212.5780
6	197.9550	193.7240
7	171.5370	192.1240
8	167.3280	168.0770
9	155.4420	145.7470
10	144.8130	140.5270
11	144.5380	117.3860
12	137.7570	115.7690
13	123.9140	113.7170
14	121.5820	113.6050
15	112.4920	113.0760
16	112.1660	105.2110
17	108.5880	100.1090
18	99.8053	98.4120
19	99.2320	95.4436
20	98.1762	94.3919
21	96.8739	91.8297
22	96.2112	91.2153
23	95.3140	87.0298
24	94.6375	86.0964
25	93.9225	75.3907
26	90.6240	74.0835
27	89.7434	73.0884
28	87.9677	71.4089
29	82.4226	70.3826

30	78.3498	69.7028
31	77.0208	65.3228
32	69.5762	63.3053
33	68.2753	58.4678
34	67.2188	56.5628
35	65.3952	54.0307
36	51.4032	52.2885
37	43.6937	47.1788
38	29.9168	46.4812
39	0.0507	39.3358
40	0.0286	7.3708

Duration Flows

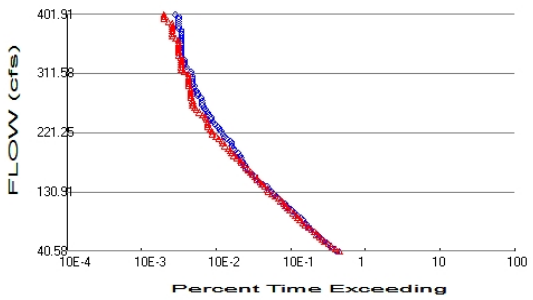
The Facility PASSED

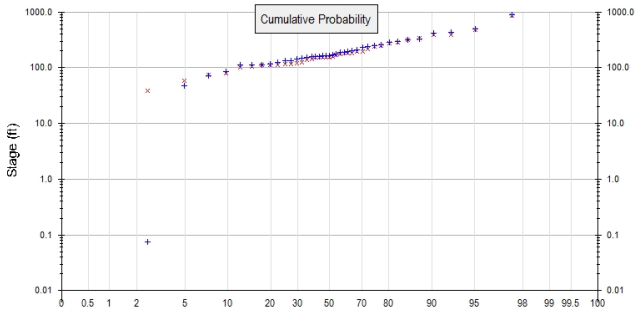
Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
24.1336	1487	1558	104	Pass
26.3518	1366	1416	103	Pass
28.5699	1246	1302	104	Pass
30.7880	1146	1192	104	Pass
33.0062	1024	1093	106	Pass
35.2243	941	997	105	Pass
37.4424	868	886	102	Pass
39.6606	795	795	100	Pass
41.8787	727	729	100	Pass
44.0968	658	655	99	Pass
46.3150	620	597	96	Pass
48.5331	579	543	93	Pass
50.7512	545	512	93	Pass
52.9694	502	467	93	Pass
55.1875	468	429	91	Pass
57.4056	435	398	91	Pass
59.6238	398	357	89	Pass
61.8419	362	322	88	Pass
64.0600	334	293	87	Pass
66.2782	300	277	92	Pass
68.4963	276	257	93	Pass
70.7144	257	238	92	Pass
72.9326	233	218	93	Pass
75.1507	218	195	89	Pass
77.3688	200	186	93	Pass
79.5870	181	172	95	Pass
81.8051	167	161	96	Pass
84.0232	155	147	94	Pass
86.2414	135	135	100	Pass
88.4595	125	123	98	Pass
90.6777	117	115	98	Pass
92.8958	114	102	89	Pass
95.1139	106	94	88	Pass
97.3321	95	87	91	Pass
99.5502	86	83	96	Pass
101.7683	82	77	93	Pass
103.9865	80	73	91	Pass
106.2046	78	66	84	Pass
108.4227	73	64	87	Pass
110.6409	71	59	83	Pass
112.8590	67	56	83	Pass
115.0771	64	51	79	Pass
117.2953	62	45	72	Pass
119.5134	59	42	71	Pass
121.7315	56	37	66	Pass
123.9497	53	36	67	Pass
126.1678	47	35	74	Pass
128.3859	45	32	71	Pass
130.6041	42	32	76	Pass
132.8222	39	30	76	Pass
135.0403	38	27	71	Pass
137.2585	36	26	72	Pass
139.4766	32	25	78	Pass

141.6947	31	23	74	Pass
143.9129	30	21	70	Pass
146.1310	27	20	74	Pass
148.3491	25	20	80	Pass
150.5673	24	19	79	Pass
152.7854	24	19	79	Pass
155.0035	24	19	79	Pass
157.2217	23	19	82	Pass
159.4398	23	19	82	Pass
161.6580	23	19	82	Pass
163.8761	22	19	86	Pass
166.0942	21	18	85	Pass
168.3124	18	17	94	Pass
170.5305	18	17	94	Pass
172.7486	17	17	100	Pass
174.9668	16	17	106	Pass
177.1849	16	16	100	Pass
179.4030	16	15	93	Pass
181.6212	16	14	87	Pass
183.8393	15	14	93	Pass
186.0574	14	14	100	Pass
188.2756	14	14	100	Pass
190.4937	14	14	100	Pass
192.7118	14	13	92	Pass
194.9300	14	12	85	Pass
197.1481	14	12	85	Pass
199.3662	13	12	92	Pass
201.5844	13	12	92	Pass
203.8025	11	12	109	Pass
206.0206	11	12	109	Pass
208.2388	11	11	100	Pass
210.4569	11	11	100	Pass
212.6750	11	10	90	Pass
214.8932	11	9	81	Pass
217.1113	11	9	81	Pass
219.3294	11	9	81	Pass
221.5476	11	8	72	Pass
223.7657	11	8	72	Pass
225.9839	10	8	80	Pass
228.2020	10	8	80	Pass
230.4201	10	7	70	Pass
232.6383	10	7	70	Pass
234.8564	10	7	70	Pass
237.0745	10	6	60	Pass
239.2927	10	6	60	Pass
241.5108	10	6	60	Pass
243.7289	9	6	66	Pass

The development has an increase in flow durations for more than 10% of the flows for the range of the duration analysis.

POC 22





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #22
Total Pervious Area: 774.31
Total Impervious Area: 0

Mitigated Landuse Totals for POC #22
Total Pervious Area: 604.89
Total Impervious Area: 188.27

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #22

Return Period	**Flow(cfs)**
2 year	162.317756
5 year	278.623317
10 year	401.912976
25 year	581.017537

Flow Frequency Return Periods for Mitigated. POC #22

Return Period	**Flow(cfs)**
2 year	154.468537
5 year	266.410634
10 year	384.285683
25 year	567.786

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #22

Year	**Pre-Project**	**Mitigated**
1965	147.016	152.620
1966	71.847	74.601
1967	187.995	196.783
1968	113.835	116.192
1969	186.720	154.370
1970	164.742	155.773
1971	200.645	160.549
1972	85.319	79.845
1973	285.327	289.536
1974	254.788	217.046
1975	144.308	114.281
1976	0.074	38.067
1977	0.056	5.772
1978	433.663	390.643
1979	114.686	113.003

1980	161.317	137.121
1981	167.632	142.174
1982	239.358	241.658
1983	295.672	272.411
1984	161.591	154.572
1985	157.608	116.156
1986	495.651	487.767
1987	133.751	124.433
1988	134.875	154.324
1989	175.890	182.148
1990	124.705	114.261
1991	162.559	172.004
1992	247.707	245.076
1993	207.323	174.155
1994	47.202	58.444
1995	884.543	852.298
1996	322.737	338.513
1997	411.432	393.429
1998	333.376	317.253
1999	113.011	100.094
2000	231.098	193.315
2001	151.698	120.215
2002	114.215	106.872
2003	162.088	182.030
2004	193.687	185.048

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #22

Rank	Pre-Project	Mitigated
1	884.5430	852.2980
2	495.6510	487.7670
3	433.6630	393.4290
4	411.4320	390.6430
5	333.3760	338.5130
6	322.7370	317.2530
7	295.6720	289.5360
8	285.3270	272.4110
9	254.7880	245.0760
10	247.7070	241.6580
11	239.3580	217.0460
12	231.0980	196.7830
13	207.3230	193.3150
14	200.6450	185.0480
15	193.6870	182.1480
16	187.9950	182.0300
17	186.7200	174.1550
18	175.8900	172.0040
19	167.6320	160.5490
20	164.7420	155.7730
21	162.5590	154.5720
22	162.0880	154.3700
23	161.5910	154.3240
24	161.3170	152.6200
25	157.6080	142.1740
26	151.6980	137.1210
27	147.0160	124.4330
28	144.3080	120.2150
29	134.8750	116.1920

30	133.7510	116.1560
31	124.7050	114.2810
32	114.6860	114.2610
33	114.2150	113.0030
34	113.8350	106.8720
35	113.0110	100.0940
36	85.3189	79.8451
37	71.8474	74.6010
38	47.2022	58.4441
39	0.0739	38.0674
40	0.0560	5.7715

Duration Flows

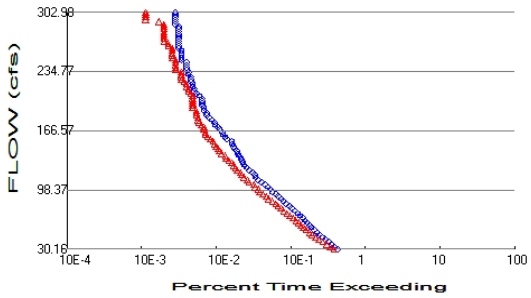
The Facility PASSED

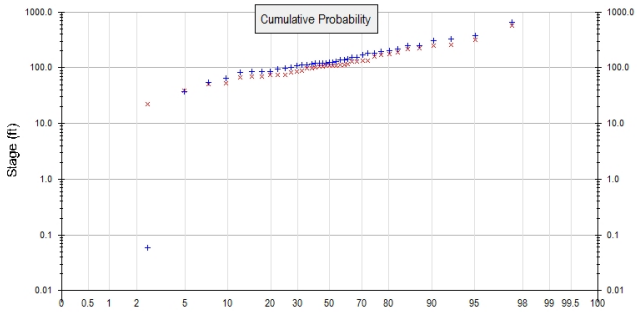
Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
40.5794	1456	1562	107	Pass
44.2293	1334	1394	104	Pass
47.8791	1205	1241	102	Pass
51.5289	1098	1123	102	Pass
55.1788	1000	1002	100	Pass
58.8286	921	922	100	Pass
62.4784	854	855	100	Pass
66.1283	784	788	100	Pass
69.7781	725	734	101	Pass
73.4279	655	670	102	Pass
77.0778	617	602	97	Pass
80.7276	576	556	96	Pass
84.3774	542	506	93	Pass
88.0273	506	466	92	Pass
91.6771	476	435	91	Pass
95.3269	430	407	94	Pass
98.9768	401	374	93	Pass
102.6266	363	343	94	Pass
106.2764	332	317	95	Pass
109.9263	307	300	97	Pass
113.5761	291	281	96	Pass
117.2259	260	260	100	Pass
120.8758	241	240	99	Pass
124.5256	225	217	96	Pass
128.1754	208	198	95	Pass
131.8253	191	177	92	Pass
135.4751	180	169	93	Pass
139.1249	170	157	92	Pass
142.7748	148	145	97	Pass
146.4246	134	137	102	Pass
150.0745	123	126	102	Pass
153.7243	117	118	100	Pass
157.3741	106	107	100	Pass
161.0240	100	102	102	Pass
164.6738	92	94	102	Pass
168.3236	87	87	100	Pass
171.9735	85	82	96	Pass
175.6233	80	76	95	Pass
179.2731	77	74	96	Pass
182.9230	76	66	86	Pass
186.5728	73	61	83	Pass
190.2226	68	57	83	Pass
193.8725	62	54	87	Pass
197.5223	60	51	85	Pass
201.1721	57	46	80	Pass
204.8220	57	43	75	Pass
208.4718	54	42	77	Pass
212.1216	49	38	77	Pass
215.7715	45	35	77	Pass
219.4213	43	31	72	Pass
223.0711	41	31	75	Pass
226.7210	39	29	74	Pass
230.3708	37	27	72	Pass

234.0206	34	27	79	Pass
237.6705	32	27	84	Pass
241.3203	30	26	86	Pass
244.9701	30	25	83	Pass
248.6200	28	23	82	Pass
252.2698	27	21	77	Pass
255.9196	25	19	76	Pass
259.5695	24	18	75	Pass
263.2193	23	17	73	Pass
266.8691	23	17	73	Pass
270.5190	23	17	73	Pass
274.1688	22	16	72	Pass
277.8186	20	16	80	Pass
281.4685	20	16	80	Pass
285.1183	19	16	84	Pass
288.7681	18	16	88	Pass
292.4180	18	15	83	Pass
296.0678	17	15	88	Pass
299.7176	17	15	88	Pass
303.3675	17	15	88	Pass
307.0173	17	15	88	Pass
310.6671	16	15	93	Pass
314.3170	16	13	81	Pass
317.9668	14	12	85	Pass
321.6166	14	12	85	Pass
325.2665	13	12	92	Pass
328.9163	13	12	92	Pass
332.5661	13	12	92	Pass
336.2160	12	12	100	Pass
339.8658	12	11	91	Pass
343.5156	12	11	91	Pass
347.1655	12	11	91	Pass
350.8153	12	11	91	Pass
354.4651	12	11	91	Pass
358.1150	12	11	91	Pass
361.7648	12	11	91	Pass
365.4146	12	10	83	Pass
369.0645	12	9	75	Pass
372.7143	12	9	75	Pass
376.3641	12	9	75	Pass
380.0140	11	9	81	Pass
383.6638	11	9	81	Pass
387.3136	11	9	81	Pass
390.9635	11	8	72	Pass
394.6133	11	7	63	Pass
398.2631	11	7	63	Pass
401.9130	10	7	70	Pass

The development has an increase in flow durations for more than 10% of the flows for the range of the duration analysis.

POC 23





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #23
Total Pervious Area: 564.6
Total Impervious Area: 0

Mitigated Landuse Totals for POC #23
Total Pervious Area: 429.94
Total Impervious Area: 99.29

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #23

Return Period	**Flow(cfs)**
2 year	120.650366
5 year	203.44761
10 year	302.977683
25 year	438.359366

Flow Frequency Return Periods for Mitigated. POC #23

Return Period	**Flow(cfs)**
2 year	106.416244
5 year	174.027902
10 year	246.112976
25 year	373.389829

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #23

Year	**Pre-Project**	**Mitigated**
1965	112.507	97.697
1966	54.905	51.240
1967	137.158	132.683
1968	85.525	73.471
1969	140.694	107.099
1970	120.105	109.766
1971	152.358	100.833
1972	64.324	53.651
1973	205.990	190.803
1974	194.408	131.193
1975	109.996	67.301
1976	0.059	22.614
1977	0.049	3.098
1978	330.898	248.997
1979	86.332	68.785

1980	118.304	99.688
1981	126.030	105.766
1982	181.421	161.226
1983	215.022	174.290
1984	121.223	105.724
1985	119.446	85.923
1986	376.811	315.533
1987	98.057	88.255
1988	102.736	107.150
1989	128.563	113.417
1990	95.953	73.250
1991	119.372	108.617
1992	181.575	173.096
1993	155.379	116.346
1994	37.210	38.907
1995	657.198	579.103
1996	246.351	215.988
1997	310.700	262.390
1998	247.377	225.348
1999	82.379	70.042
2000	173.255	135.349
2001	113.471	82.266
2002	85.254	74.456
2003	123.160	111.385
2004	143.446	128.323

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #23

Rank	Pre-Project	Mitigated
1	657.1980	579.1030
2	376.8110	315.5330
3	330.8980	262.3900
4	310.7000	248.9970
5	247.3770	225.3480
6	246.3510	215.9880
7	215.0220	190.8030
8	205.9900	174.2900
9	194.4080	173.0960
10	181.5750	161.2260
11	181.4210	135.3490
12	173.2550	132.6830
13	155.3790	131.1930
14	152.3580	128.3230
15	143.4460	116.3460
16	140.6940	113.4170
17	137.1580	111.3850
18	128.5630	109.7660
19	126.0300	108.6170
20	123.1600	107.1500
21	121.2230	107.0990
22	120.1050	105.7660
23	119.4460	105.7240
24	119.3720	100.8330
25	118.3040	99.6878
26	113.4710	97.6968
27	112.5070	88.2547
28	109.9960	85.9228
29	102.7360	82.2655

30	98.0574	74.4561
31	95.9531	73.4714
32	86.3315	73.2496
33	85.5254	70.0415
34	85.2537	68.7853
35	82.3789	67.3012
36	64.3242	53.6509
37	54.9053	51.2400
38	37.2095	38.9072
39	0.0591	22.6141
40	0.0488	3.0983

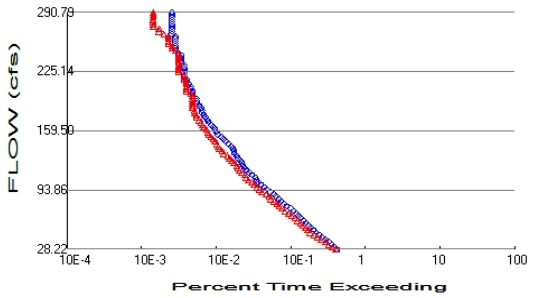
Duration Flows

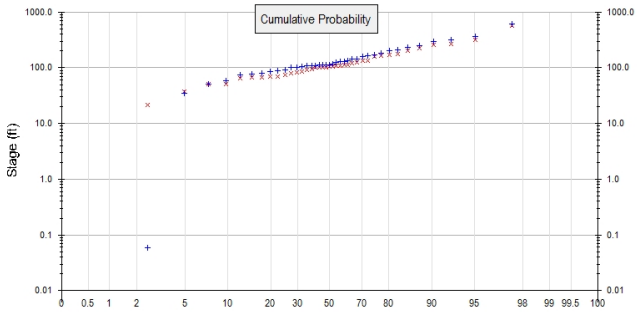
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
30.1626	1471	1330	90	Pass
32.9183	1347	1192	88	Pass
35.6740	1234	1071	86	Pass
38.4297	1130	949	83	Pass
41.1854	1014	827	81	Pass
43.9411	938	753	80	Pass
46.6968	865	674	77	Pass
49.4525	799	623	77	Pass
52.2083	725	560	77	Pass
54.9640	660	518	78	Pass
57.7197	622	476	76	Pass
60.4754	582	444	76	Pass
63.2311	545	411	75	Pass
65.9868	508	375	73	Pass
68.7425	468	338	72	Pass
71.4982	438	311	71	Pass
74.2539	401	283	70	Pass
77.0096	362	260	71	Pass
79.7653	333	238	71	Pass
82.5210	303	220	72	Pass
85.2768	280	199	71	Pass
88.0325	262	176	67	Pass
90.7882	240	164	68	Pass
93.5439	220	148	67	Pass
96.2996	198	133	67	Pass
99.0553	186	129	69	Pass
101.8110	173	118	68	Pass
104.5667	159	112	70	Pass
107.3224	142	97	68	Pass
110.0781	127	92	72	Pass
112.8338	120	82	68	Pass
115.5895	115	77	66	Pass
118.3452	107	74	69	Pass
121.1010	97	67	69	Pass
123.8567	90	64	71	Pass
126.6124	84	60	71	Pass
129.3681	80	57	71	Pass
132.1238	78	52	66	Pass
134.8795	75	48	64	Pass
137.6352	71	47	66	Pass
140.3909	69	41	59	Pass
143.1466	67	39	58	Pass
145.9023	62	37	59	Pass
148.6580	60	35	58	Pass
151.4137	58	33	56	Pass
154.1695	57	32	56	Pass
156.9252	49	29	59	Pass
159.6809	46	27	58	Pass
162.4366	43	25	58	Pass
165.1923	42	25	59	Pass
167.9480	39	24	61	Pass
170.7037	37	24	64	Pass
173.4594	34	22	64	Pass

176.2151	33	21	63	Pass
178.9708	31	20	64	Pass
181.7265	28	20	71	Pass
184.4822	26	19	73	Pass
187.2379	26	19	73	Pass
189.9937	24	19	79	Pass
192.7494	24	17	70	Pass
195.5051	23	17	73	Pass
198.2608	23	17	73	Pass
201.0165	23	17	73	Pass
203.7722	23	17	73	Pass
206.5279	21	17	80	Pass
209.2836	19	16	84	Pass
212.0393	18	15	83	Pass
214.7950	18	15	83	Pass
217.5507	17	14	82	Pass
220.3064	17	14	82	Pass
223.0622	16	13	81	Pass
225.8179	16	12	75	Pass
228.5736	16	12	75	Pass
231.3293	15	12	80	Pass
234.0850	15	12	80	Pass
236.8407	14	10	71	Pass
239.5964	14	10	71	Pass
242.3521	14	10	71	Pass
245.1078	14	10	71	Pass
247.8635	12	10	83	Pass
250.6192	12	9	75	Pass
253.3749	12	9	75	Pass
256.1306	12	9	75	Pass
258.8864	12	9	75	Pass
261.6421	11	9	81	Pass
264.3978	11	8	72	Pass
267.1535	11	8	72	Pass
269.9092	11	7	63	Pass
272.6649	11	7	63	Pass
275.4206	11	7	63	Pass
278.1763	11	7	63	Pass
280.9320	11	7	63	Pass
283.6877	11	7	63	Pass
286.4434	11	7	63	Pass
289.1991	10	7	70	Pass
291.9549	10	6	60	Pass
294.7106	10	4	40	Pass
297.4663	10	4	40	Pass
300.2220	10	4	40	Pass
302.9777	10	4	40	Pass

POC 24





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #24
Total Pervious Area: 520.36
Total Impervious Area: 0

Mitigated Landuse Totals for POC #24
Total Pervious Area: 420.96
Total Impervious Area: 94.54

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #24

Return Period	**Flow(cfs)**
2 year	112.868098
5 year	200.842732
10 year	290.785268
25 year	417.79339

Flow Frequency Return Periods for Mitigated. POC #24

Return Period	**Flow(cfs)**
2 year	103.178268
5 year	167.305122
10 year	250.322976
25 year	376.290341

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #24

Year	**Pre-Project**	**Mitigated**
1965	112.252	93.050
1966	51.562	50.346
1967	128.577	126.523
1968	80.974	73.334
1969	132.910	107.147
1970	107.505	104.906
1971	142.486	100.993
1972	57.695	51.221
1973	205.726	177.266
1974	183.480	132.503
1975	101.963	66.735
1976	0.059	21.507
1977	0.052	2.927
1978	316.890	254.032
1979	84.610	65.000

1980	107.262	96.257
1981	113.515	101.561
1982	172.640	161.608
1983	208.903	163.910
1984	114.378	103.314
1985	108.995	83.795
1986	363.942	321.436
1987	88.034	84.382
1988	100.058	103.049
1989	122.974	105.557
1990	91.711	69.362
1991	111.922	107.573
1992	166.788	168.260
1993	142.887	114.492
1994	34.777	37.686
1995	609.265	571.328
1996	247.256	200.204
1997	296.831	264.680
1998	233.309	223.618
1999	74.416	67.088
2000	159.619	132.691
2001	104.681	81.166
2002	75.924	70.710
2003	117.345	111.266
2004	127.744	121.072

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #24

Rank	Pre-Project	Mitigated
1	609.2650	571.3280
2	363.9420	321.4360
3	316.8900	264.6800
4	296.8310	254.0320
5	247.2560	223.6180
6	233.3090	200.2040
7	208.9030	177.2660
8	205.7260	168.2600
9	183.4800	163.9100
10	172.6400	161.6080
11	166.7880	132.6910
12	159.6190	132.5030
13	142.8870	126.5230
14	142.4860	121.0720
15	132.9100	114.4920
16	128.5770	111.2660
17	127.7440	107.5730
18	122.9740	107.1470
19	117.3450	105.5570
20	114.3780	104.9060
21	113.5150	103.3140
22	112.2520	103.0490
23	111.9220	101.5610
24	108.9950	100.9930
25	107.5050	96.2565
26	107.2620	93.0504
27	104.6810	84.3816
28	101.9630	83.7949
29	100.0580	81.1661

30	91.7112	73.3338
31	88.0338	70.7104
32	84.6095	69.3616
33	80.9740	67.0879
34	75.9241	66.7347
35	74.4156	65.0002
36	57.6947	51.2208
37	51.5621	50.3463
38	34.7772	37.6863
39	0.0587	21.5073
40	0.0516	2.9274

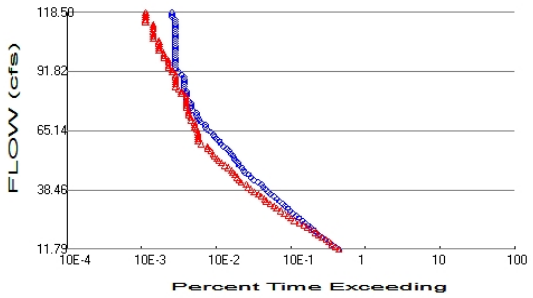
Duration Flows

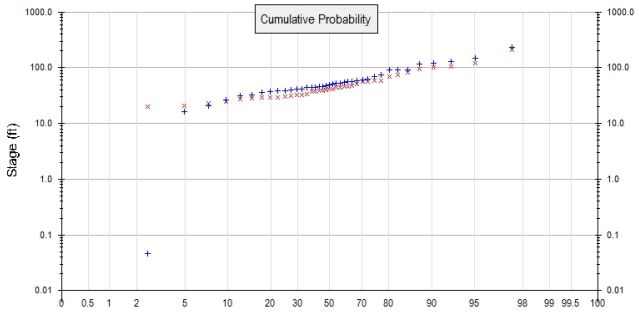
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
28.2170	1467	1409	96	Pass
30.8692	1350	1258	93	Pass
33.5214	1237	1128	91	Pass
36.1736	1116	1018	91	Pass
38.8258	1010	896	88	Pass
41.4780	920	795	86	Pass
44.1303	842	721	85	Pass
46.7825	772	640	82	Pass
49.4347	710	597	84	Pass
52.0869	650	552	84	Pass
54.7391	602	508	84	Pass
57.3913	567	472	83	Pass
60.0435	521	432	82	Pass
62.6957	477	398	83	Pass
65.3479	445	357	80	Pass
68.0001	414	327	78	Pass
70.6523	385	293	76	Pass
73.3045	348	270	77	Pass
75.9567	308	245	79	Pass
78.6089	284	229	80	Pass
81.2611	263	211	80	Pass
83.9133	243	190	78	Pass
86.5655	224	180	80	Pass
89.2177	206	164	79	Pass
91.8699	186	143	76	Pass
94.5221	168	134	79	Pass
97.1743	154	123	79	Pass
99.8265	139	113	81	Pass
102.4787	128	106	82	Pass
105.1310	122	94	77	Pass
107.7832	117	89	76	Pass
110.4354	106	85	80	Pass
113.0876	98	78	79	Pass
115.7398	89	72	80	Pass
118.3920	85	69	81	Pass
121.0442	80	66	82	Pass
123.6964	78	61	78	Pass
126.3486	74	57	77	Pass
129.0008	69	53	76	Pass
131.6530	66	50	75	Pass
134.3052	62	44	70	Pass
136.9574	61	42	68	Pass
139.6096	59	39	66	Pass
142.2618	56	37	66	Pass
144.9140	51	36	70	Pass
147.5662	47	34	72	Pass
150.2184	44	32	72	Pass
152.8706	41	30	73	Pass
155.5228	37	28	75	Pass
158.1750	36	27	75	Pass
160.8272	34	26	76	Pass
163.4795	32	24	75	Pass
166.1317	30	23	76	Pass

168.7839	28	22	78	Pass
171.4361	27	21	77	Pass
174.0883	25	19	76	Pass
176.7405	24	19	79	Pass
179.3927	23	18	78	Pass
182.0449	23	18	78	Pass
184.6971	22	17	77	Pass
187.3493	21	17	80	Pass
190.0015	19	17	89	Pass
192.6537	19	17	89	Pass
195.3059	19	17	89	Pass
197.9581	17	17	100	Pass
200.6103	17	16	94	Pass
203.2625	17	14	82	Pass
205.9147	16	14	87	Pass
208.5669	16	14	87	Pass
211.2191	15	14	93	Pass
213.8713	14	14	100	Pass
216.5235	14	13	92	Pass
219.1757	13	13	100	Pass
221.8280	13	13	100	Pass
224.4802	13	11	84	Pass
227.1324	13	11	84	Pass
229.7846	13	11	84	Pass
232.4368	13	11	84	Pass
235.0890	12	11	91	Pass
237.7412	12	11	91	Pass
240.3934	12	11	91	Pass
243.0456	12	11	91	Pass
245.6978	11	11	100	Pass
248.3500	10	10	100	Pass
251.0022	10	9	90	Pass
253.6544	10	9	90	Pass
256.3066	10	8	80	Pass
258.9588	10	8	80	Pass
261.6110	10	8	80	Pass
264.2632	10	8	80	Pass
266.9154	9	7	77	Pass
269.5676	9	6	66	Pass
272.2198	9	6	66	Pass
274.8720	9	5	55	Pass
277.5242	9	5	55	Pass
280.1765	9	5	55	Pass
282.8287	9	5	55	Pass
285.4809	9	5	55	Pass
288.1331	9	5	55	Pass
290.7853	9	5	55	Pass

POC 25





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #25
Total Pervious Area: 189.79
Total Impervious Area: 0

Mitigated Landuse Totals for POC #25
Total Pervious Area: 117.67
Total Impervious Area: 76.08

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #25

Return Period	**Flow(cfs)**
2 year	47.14169
5 year	86.850132
10 year	118.499293
25 year	165.974707

Flow Frequency Return Periods for Mitigated. POC #25

Return Period	**Flow(cfs)**
2 year	38.858827
5 year	67.064517
10 year	99.274098
25 year	139.456878

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #25

Year	**Pre-Project**	**Mitigated**
1965	50.216	44.107
1966	20.898	20.576
1967	52.944	47.395
1968	32.846	30.088
1969	52.629	36.945
1970	46.445	36.956
1971	56.755	39.374
1972	26.915	27.823
1973	91.756	83.957
1974	74.204	58.203
1975	40.833	28.622
1976	0.047	20.374
1977	0.020	5.550
1978	129.714	100.111
1979	36.840	33.848

1980	41.430	32.322
1981	45.679	46.394
1982	69.451	58.807
1983	91.346	69.387
1984	48.806	44.960
1985	44.044	28.890
1986	148.176	118.729
1987	38.402	31.699
1988	44.483	38.250
1989	57.117	56.058
1990	38.699	28.927
1991	44.003	41.611
1992	61.887	56.666
1993	54.662	38.368
1994	16.401	23.005
1995	229.259	213.156
1996	115.895	105.975
1997	118.861	93.248
1998	90.407	75.207
1999	31.945	25.032
2000	61.030	51.215
2001	39.889	28.922
2002	35.701	32.140
2003	47.873	45.907
2004	58.366	41.821

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #25

Rank	Pre-Project	Mitigated
1	229.2590	213.1560
2	148.1760	118.7290
3	129.7140	105.9750
4	118.8610	100.1110
5	115.8950	93.2484
6	91.7559	83.9572
7	91.3464	75.2074
8	90.4068	69.3870
9	74.2042	58.8068
10	69.4512	58.2031
11	61.8872	56.6664
12	61.0303	56.0579
13	58.3660	51.2151
14	57.1174	47.3945
15	56.7554	46.3936
16	54.6618	45.9074
17	52.9443	44.9602
18	52.6290	44.1071
19	50.2160	41.8205
20	48.8062	41.6106
21	47.8729	39.3743
22	46.4453	38.3679
23	45.6785	38.2501
24	44.4834	36.9564
25	44.0435	36.9451
26	44.0027	33.8480
27	41.4297	32.3221
28	40.8328	32.1404
29	39.8891	31.6994

30	38.6986	30.0884
31	38.4017	28.9267
32	36.8400	28.9218
33	35.7005	28.8895
34	32.8464	28.6216
35	31.9446	27.8230
36	26.9153	25.0324
37	20.8984	23.0054
38	16.4009	20.5762
39	0.0467	20.3740
40	0.0204	5.5502

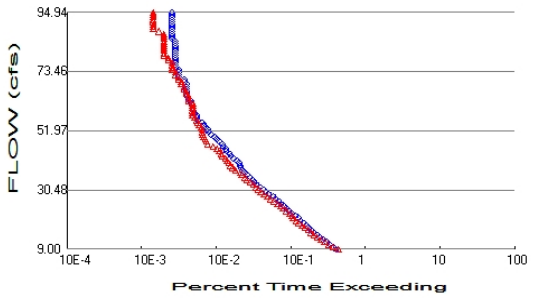
Duration Flows

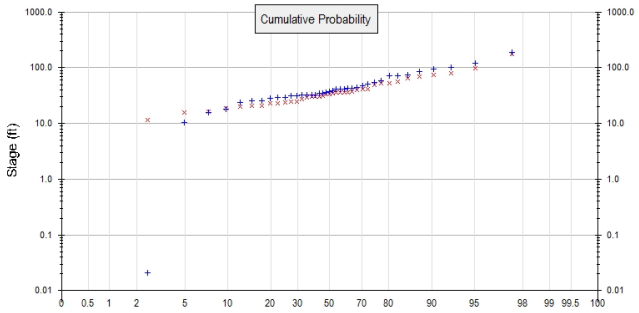
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
11.7854	1527	1540	100	Pass
12.8633	1395	1386	99	Pass
13.9413	1251	1248	99	Pass
15.0192	1135	1144	100	Pass
16.0971	1009	1041	103	Pass
17.1750	910	922	101	Pass
18.2529	833	822	98	Pass
19.3308	772	747	96	Pass
20.4088	708	665	93	Pass
21.4867	649	581	89	Pass
22.5646	596	523	87	Pass
23.6425	546	458	83	Pass
24.7204	501	394	78	Pass
25.7984	453	352	77	Pass
26.8763	416	324	77	Pass
27.9542	375	287	76	Pass
29.0321	346	256	73	Pass
30.1100	319	227	71	Pass
31.1879	296	209	70	Pass
32.2659	276	186	67	Pass
33.3438	249	165	66	Pass
34.4217	229	156	68	Pass
35.4996	209	141	67	Pass
36.5775	189	129	68	Pass
37.6555	175	114	65	Pass
38.7334	160	103	64	Pass
39.8113	150	93	62	Pass
40.8892	141	89	63	Pass
41.9671	127	76	59	Pass
43.0450	111	71	63	Pass
44.1230	102	67	65	Pass
45.2009	95	62	65	Pass
46.2788	85	59	69	Pass
47.3567	82	56	68	Pass
48.4346	78	51	65	Pass
49.5125	72	46	63	Pass
50.5905	68	41	60	Pass
51.6684	64	38	59	Pass
52.7463	61	36	59	Pass
53.8242	59	33	55	Pass
54.9021	55	32	58	Pass
55.9801	52	30	57	Pass
57.0580	49	27	55	Pass
58.1359	44	27	61	Pass
59.2138	41	22	53	Pass
60.2917	39	20	51	Pass
61.3696	36	20	55	Pass
62.4476	33	20	60	Pass
63.5255	32	20	62	Pass
64.6034	30	20	66	Pass
65.6813	26	19	73	Pass
66.7592	25	18	72	Pass
67.8372	25	18	72	Pass

68.9151	22	18	81	Pass
69.9930	21	16	76	Pass
71.0709	20	16	80	Pass
72.1488	19	15	78	Pass
73.2267	19	15	78	Pass
74.3047	17	15	88	Pass
75.3826	16	14	87	Pass
76.4605	16	14	87	Pass
77.5384	16	14	87	Pass
78.6163	15	14	93	Pass
79.6942	14	14	100	Pass
80.7722	14	14	100	Pass
81.8501	14	12	85	Pass
82.9280	14	12	85	Pass
84.0059	13	11	84	Pass
85.0838	13	10	76	Pass
86.1618	13	10	76	Pass
87.2397	13	10	76	Pass
88.3176	13	10	76	Pass
89.3955	13	10	76	Pass
90.4734	12	10	83	Pass
91.5513	11	9	81	Pass
92.6293	10	9	90	Pass
93.7072	10	8	80	Pass
94.7851	10	8	80	Pass
95.8630	10	8	80	Pass
96.9409	10	8	80	Pass
98.0189	10	7	70	Pass
99.0968	10	7	70	Pass
100.1747	10	7	70	Pass
101.2526	10	6	60	Pass
102.3305	10	6	60	Pass
103.4084	10	6	60	Pass
104.4864	10	6	60	Pass
105.5643	10	6	60	Pass
106.6422	10	5	50	Pass
107.7201	10	5	50	Pass
108.7980	10	5	50	Pass
109.8759	10	5	50	Pass
110.9539	10	5	50	Pass
112.0318	10	5	50	Pass
113.1097	10	5	50	Pass
114.1876	10	4	40	Pass
115.2655	10	4	40	Pass
116.3435	9	4	44	Pass
117.4214	9	4	44	Pass
118.4993	9	4	44	Pass

POC 26





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #26
Total Pervious Area: 159.74
Total Impervious Area: 0

Mitigated Landuse Totals for POC #26
Total Pervious Area: 113.13
Total Impervious Area: 47.85

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #26

Return Period	**Flow(cfs)**
2 year	35.985907
5 year	67.896602
10 year	94.943346
25 year	134.879805

Flow Frequency Return Periods for Mitigated. POC #26

Return Period	**Flow(cfs)**
2 year	32.591276
5 year	53.315568
10 year	72.81419
25 year	114.639746

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #26

Year	**Pre-Project**	**Mitigated**
1965	38.297	30.424
1966	16.018	16.491
1967	41.884	40.805
1968	25.705	24.152
1969	42.120	30.186
1970	35.350	34.318
1971	44.084	29.536
1972	18.395	15.687
1973	70.775	57.275
1974	57.662	36.348
1975	30.951	19.040
1976	0.021	11.751
1977	0.020	1.750
1978	102.695	73.368
1979	28.225	20.456

1980	32.303	29.891
1981	32.978	31.736
1982	55.339	49.808
1983	70.801	52.835
1984	36.653	33.489
1985	32.168	24.630
1986	120.131	97.473
1987	28.894	27.621
1988	32.647	35.554
1989	42.448	33.626
1990	29.344	23.157
1991	35.342	35.531
1992	50.673	53.451
1993	43.047	35.830
1994	10.557	19.893
1995	187.320	175.676
1996	85.163	64.879
1997	96.302	78.665
1998	74.319	68.828
1999	24.127	20.630
2000	48.251	41.845
2001	31.770	25.040
2002	25.171	23.250
2003	37.591	36.805
2004	41.893	39.494

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #26

Rank	Pre-Project	Mitigated
1	187.3200	175.6760
2	120.1310	97.4733
3	102.6950	78.6650
4	96.3017	73.3678
5	85.1632	68.8282
6	74.3186	64.8791
7	70.8006	57.2751
8	70.7750	53.4507
9	57.6623	52.8351
10	55.3393	49.8079
11	50.6725	41.8447
12	48.2505	40.8048
13	44.0837	39.4943
14	43.0467	36.8045
15	42.4475	36.3479
16	42.1198	35.8304
17	41.8934	35.5535
18	41.8843	35.5310
19	38.2968	34.3179
20	37.5912	33.6257
21	36.6534	33.4890
22	35.3502	31.7363
23	35.3422	30.4240
24	32.9779	30.1860
25	32.6465	29.8908
26	32.3032	29.5364
27	32.1678	27.6208
28	31.7698	25.0399
29	30.9511	24.6298

30	29.3442	24.1519
31	28.8942	23.2502
32	28.2248	23.1573
33	25.7053	20.6300
34	25.1705	20.4558
35	24.1274	19.8933
36	18.3947	19.0400
37	16.0182	16.4908
38	10.5566	15.6874
39	0.0209	11.7508
40	0.0201	1.7503

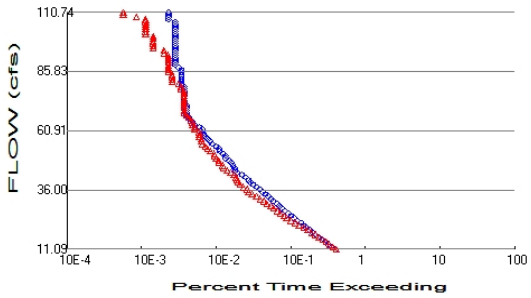
Duration Flows

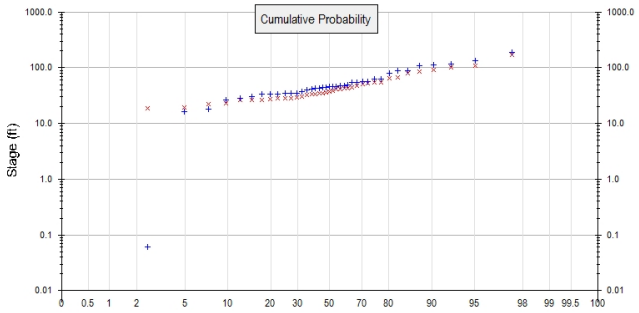
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
8.9965	1414	1522	107	Pass
9.8646	1304	1293	99	Pass
10.7328	1174	1123	95	Pass
11.6009	1055	994	94	Pass
12.4691	954	891	93	Pass
13.3372	860	797	92	Pass
14.2054	787	718	91	Pass
15.0735	720	664	92	Pass
15.9417	655	600	91	Pass
16.8098	600	541	90	Pass
17.6780	564	497	88	Pass
18.5461	516	450	87	Pass
19.4143	473	414	87	Pass
20.2824	440	381	86	Pass
21.1506	405	362	89	Pass
22.0187	362	337	93	Pass
22.8869	330	307	93	Pass
23.7550	304	278	91	Pass
24.6232	283	257	90	Pass
25.4913	260	231	88	Pass
26.3595	242	209	86	Pass
27.2276	219	187	85	Pass
28.0958	203	170	83	Pass
28.9639	178	153	85	Pass
29.8321	160	140	87	Pass
30.7002	153	129	84	Pass
31.5684	136	119	87	Pass
32.4365	121	111	91	Pass
33.3047	113	100	88	Pass
34.1728	107	90	84	Pass
35.0410	100	86	86	Pass
35.9091	91	78	85	Pass
36.7773	84	75	89	Pass
37.6454	79	64	81	Pass
38.5136	75	59	78	Pass
39.3817	74	55	74	Pass
40.2499	71	52	73	Pass
41.1180	66	49	74	Pass
41.9862	60	47	78	Pass
42.8543	56	42	75	Pass
43.7225	53	41	77	Pass
44.5906	48	39	81	Pass
45.4588	47	36	76	Pass
46.3269	43	32	74	Pass
47.1951	42	27	64	Pass
48.0632	38	26	68	Pass
48.9314	36	25	69	Pass
49.7995	33	24	72	Pass
50.6677	30	23	76	Pass
51.5358	28	23	82	Pass
52.4040	27	23	85	Pass
53.2721	25	22	88	Pass
54.1403	24	21	87	Pass

55.0084	23	20	86	Pass
55.8766	20	19	95	Pass
56.7447	19	18	94	Pass
57.6129	19	17	89	Pass
58.4810	18	17	94	Pass
59.3492	17	17	100	Pass
60.2173	17	17	100	Pass
61.0855	17	17	100	Pass
61.9536	16	17	106	Pass
62.8218	16	15	93	Pass
63.6899	15	15	100	Pass
64.5581	14	15	107	Pass
65.4262	14	14	100	Pass
66.2944	14	14	100	Pass
67.1625	14	13	92	Pass
68.0307	14	13	92	Pass
68.8988	14	12	85	Pass
69.7670	13	12	92	Pass
70.6351	13	11	84	Pass
71.5033	11	11	100	Pass
72.3714	11	10	90	Pass
73.2396	11	10	90	Pass
74.1077	11	9	81	Pass
74.9759	10	9	90	Pass
75.8440	10	9	90	Pass
76.7122	10	9	90	Pass
77.5803	10	8	80	Pass
78.4485	10	8	80	Pass
79.3166	10	7	70	Pass
80.1848	10	7	70	Pass
81.0529	10	7	70	Pass
81.9211	10	7	70	Pass
82.7892	10	7	70	Pass
83.6574	10	7	70	Pass
84.5255	10	7	70	Pass
85.3937	9	7	77	Pass
86.2618	9	7	77	Pass
87.1300	9	7	77	Pass
87.9981	9	6	66	Pass
88.8663	9	5	55	Pass
89.7344	9	5	55	Pass
90.6026	9	5	55	Pass
91.4707	9	5	55	Pass
92.3389	9	5	55	Pass
93.2070	9	5	55	Pass
94.0752	9	5	55	Pass
94.9433	9	5	55	Pass

POC 27





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #27
Total Pervious Area: 161.4
Total Impervious Area: 0

Mitigated Landuse Totals for POC #27
Total Pervious Area: 80.21
Total Impervious Area: 66.69

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #27

Return Period	**Flow(cfs)**
2 year	44.36741
5 year	76.696068
10 year	110.737049
25 year	147.810537

Flow Frequency Return Periods for Mitigated. POC #27

Return Period	**Flow(cfs)**
2 year	35.761295
5 year	62.401951
10 year	91.901371
25 year	122.776463

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #27

Year	**Pre-Project**	**Mitigated**
1965	47.455	41.659
1966	18.147	18.617
1967	48.600	42.872
1968	30.073	27.987
1969	46.642	33.913
1970	42.784	33.172
1971	47.276	36.429
1972	26.382	28.100
1973	88.243	80.184
1974	63.377	55.110
1975	33.348	26.835
1976	0.061	19.565
1977	0.031	5.454
1978	116.104	92.789
1979	35.332	32.172

1980	37.054	29.556
1981	45.784	44.265
1982	62.276	53.701
1983	87.466	64.453
1984	46.068	42.372
1985	42.391	27.115
1986	135.326	109.692
1987	34.477	28.489
1988	39.656	34.985
1989	55.682	53.465
1990	34.695	26.096
1991	41.280	38.156
1992	54.190	51.625
1993	44.976	35.125
1994	16.301	22.831
1995	192.200	169.299
1996	111.229	100.810
1997	107.195	85.513
1998	80.442	66.766
1999	28.189	22.057
2000	54.736	48.386
2001	33.819	26.230
2002	34.093	30.857
2003	43.788	42.116
2004	56.501	37.586

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #27

Rank	Pre-Project	Mitigated
1	192.2000	169.2990
2	135.3260	109.6920
3	116.1040	100.8100
4	111.2290	92.7887
5	107.1950	85.5126
6	88.2433	80.1844
7	87.4664	66.7660
8	80.4420	64.4527
9	63.3772	55.1104
10	62.2762	53.7011
11	56.5008	53.4648
12	55.6815	51.6254
13	54.7357	48.3855
14	54.1903	44.2650
15	48.5997	42.8716
16	47.4551	42.3720
17	47.2759	42.1160
18	46.6422	41.6587
19	46.0679	38.1560
20	45.7835	37.5864
21	44.9760	36.4293
22	43.7878	35.1251
23	42.7840	34.9848
24	42.3905	33.9125
25	41.2802	33.1716
26	39.6555	32.1724
27	37.0536	30.8574
28	35.3322	29.5556
29	34.6954	28.4888

30	34.4768	28.1003
31	34.0929	27.9865
32	33.8185	27.1148
33	33.3480	26.8348
34	30.0726	26.2302
35	28.1890	26.0960
36	26.3817	22.8314
37	18.1468	22.0574
38	16.3013	19.5651
39	0.0610	18.6172
40	0.0307	5.4536

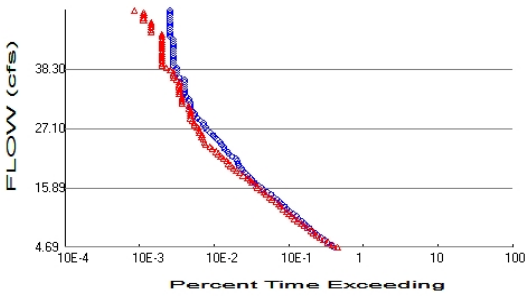
Duration Flows

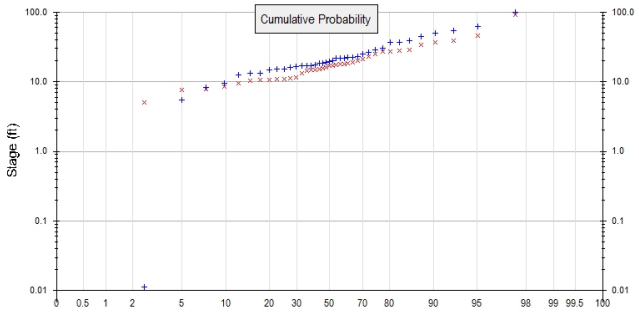
The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
11.0919	1381	1433	103	Pass
12.0984	1245	1294	103	Pass
13.1049	1108	1158	104	Pass
14.1114	1013	1050	103	Pass
15.1179	916	943	102	Pass
16.1244	830	833	100	Pass
17.1310	742	750	101	Pass
18.1375	687	669	97	Pass
19.1440	629	597	94	Pass
20.1505	563	526	93	Pass
21.1570	519	452	87	Pass
22.1635	482	401	83	Pass
23.1701	424	356	83	Pass
24.1766	385	310	80	Pass
25.1831	353	284	80	Pass
26.1896	322	254	78	Pass
27.1961	296	231	78	Pass
28.2026	265	207	78	Pass
29.2092	247	190	76	Pass
30.2157	232	168	72	Pass
31.2222	205	153	74	Pass
32.2287	191	136	71	Pass
33.2352	175	122	69	Pass
34.2417	160	106	66	Pass
35.2483	147	95	64	Pass
36.2548	135	92	68	Pass
37.2613	124	81	65	Pass
38.2678	110	73	66	Pass
39.2743	101	68	67	Pass
40.2808	96	66	68	Pass
41.2874	87	65	74	Pass
42.2939	78	60	76	Pass
43.3004	66	55	83	Pass
44.3069	63	49	77	Pass
45.3134	62	44	70	Pass
46.3200	59	43	72	Pass
47.3265	56	38	67	Pass
48.3330	52	38	73	Pass
49.3395	47	35	74	Pass
50.3460	47	34	72	Pass
51.3525	43	33	76	Pass
52.3591	39	29	74	Pass
53.3656	38	27	71	Pass
54.3721	35	25	71	Pass
55.3786	31	23	74	Pass
56.3851	29	22	75	Pass
57.3916	27	22	81	Pass
58.3982	25	21	84	Pass
59.4047	24	21	87	Pass
60.4112	23	21	91	Pass
61.4177	23	18	78	Pass
62.4242	21	18	85	Pass
63.4307	18	17	94	Pass

64.4373	17	17	100	Pass
65.4438	16	16	100	Pass
66.4503	15	15	100	Pass
67.4568	14	14	100	Pass
68.4633	14	13	92	Pass
69.4698	14	13	92	Pass
70.4764	14	13	92	Pass
71.4829	14	13	92	Pass
72.4894	13	13	100	Pass
73.4959	13	13	100	Pass
74.5024	13	13	100	Pass
75.5089	13	13	100	Pass
76.5155	13	13	100	Pass
77.5220	13	13	100	Pass
78.5285	13	12	92	Pass
79.5350	13	12	92	Pass
80.5415	12	11	91	Pass
81.5481	12	9	75	Pass
82.5546	12	9	75	Pass
83.5611	12	9	75	Pass
84.5676	12	9	75	Pass
85.5741	12	8	66	Pass
86.5806	12	8	66	Pass
87.5872	11	8	72	Pass
88.5937	10	8	80	Pass
89.6002	10	8	80	Pass
90.6067	10	8	80	Pass
91.6132	10	8	80	Pass
92.6197	10	8	80	Pass
93.6263	10	7	70	Pass
94.6328	10	7	70	Pass
95.6393	10	5	50	Pass
96.6458	10	5	50	Pass
97.6523	10	5	50	Pass
98.6588	10	5	50	Pass
99.6654	10	5	50	Pass
100.6719	10	5	50	Pass
101.6784	10	4	40	Pass
102.6849	10	4	40	Pass
103.6914	10	4	40	Pass
104.6979	10	4	40	Pass
105.7045	10	4	40	Pass
106.7110	10	4	40	Pass
107.7175	8	4	50	Pass
108.7240	8	3	37	Pass
109.7305	8	2	25	Pass
110.7370	8	2	25	Pass

POC 28





\+ Pre-Project x Mitigated

Pre-Project Landuse Totals for POC #28
Total Pervious Area: 83.53
Total Impervious Area: 0

Mitigated Landuse Totals for POC #28
Total Pervious Area: 68.94
Total Impervious Area: 21.85

Flow Frequency Method: Log Pearson Type III 17B

Flow Frequency Return Periods for Pre-Project. POC #28

Return Period	**Flow(cfs)**
2 year	18.75231
5 year	35.348273
10 year	49.5095
25 year	70.3791

Flow Frequency Return Periods for Mitigated. POC #28

Return Period	**Flow(cfs)**
2 year	15.907829
5 year	27.391934
10 year	36.118468
25 year	55.24231

Annual Peaks

Annual Peaks for Pre-Project and Mitigated. POC #28

Year	**Pre-Project**	**Mitigated**
1965	19.928	15.759
1966	8.373	7.914
1967	21.839	21.091
1968	13.416	11.209
1969	21.995	14.595
1970	18.424	17.179
1971	23.054	15.268
1972	9.569	7.588
1973	36.816	27.422
1974	30.130	16.882
1975	16.204	8.614
1976	0.011	5.006
1977	0.011	0.568
1978	53.578	33.374
1979	14.697	10.682

1980	16.875	14.483
1981	17.291	14.862
1982	28.881	24.819
1983	36.853	27.286
1984	19.075	17.672
1985	16.864	10.943
1986	62.617	45.399
1987	15.063	13.275
1988	17.025	18.378
1989	22.069	16.064
1990	15.316	10.272
1991	18.445	17.934
1992	26.512	27.719
1993	22.543	17.694
1994	5.526	9.564
1995	97.979	90.241
1996	44.297	28.817
1997	50.234	38.512
1998	38.792	36.500
1999	12.587	10.504
2000	25.263	22.852
2001	16.627	11.506
2002	13.097	10.887
2003	19.616	18.688
2004	21.846	20.004

Ranked Annual Peaks

Ranked Annual Peaks for Pre-Project and Mitigated. POC #28

Rank	Pre-Project	Mitigated
1	97.9791	90.2411
2	62.6166	45.3989
3	53.5781	38.5122
4	50.2335	36.4997
5	44.2967	33.3736
6	38.7916	28.8167
7	36.8530	27.7189
8	36.8158	27.4217
9	30.1304	27.2861
10	28.8805	24.8194
11	26.5123	22.8524
12	25.2634	21.0911
13	23.0539	20.0043
14	22.5427	18.6882
15	22.0688	18.3778
16	21.9945	17.9338
17	21.8460	17.6941
18	21.8389	17.6720
19	19.9277	17.1792
20	19.6156	16.8819
21	19.0753	16.0641
22	18.4447	15.7590
23	18.4243	15.2684
24	17.2908	14.8617
25	17.0249	14.5947
26	16.8754	14.4825
27	16.8644	13.2752
28	16.6266	11.5057
29	16.2036	11.2090

30	15.3157	10.9426
31	15.0631	10.8869
32	14.6970	10.6822
33	13.4158	10.5042
34	13.0966	10.2723
35	12.5867	9.5637
36	9.5693	8.6137
37	8.3729	7.9135
38	5.5265	7.5878
39	0.0111	5.0060
40	0.0107	0.5678

Duration Flows

The Facility PASSED

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
4.6881	1416	1570	110	Pass
5.1408	1311	1363	103	Pass
5.5936	1180	1184	100	Pass
6.0463	1061	1039	97	Pass
6.4990	956	915	95	Pass
6.9518	863	826	95	Pass
7.4045	788	752	95	Pass
7.8573	727	697	95	Pass
8.3100	658	625	94	Pass
8.7628	601	565	94	Pass
9.2155	562	511	90	Pass
9.6682	519	462	89	Pass
10.1210	476	420	88	Pass
10.5737	441	384	87	Pass
11.0265	404	353	87	Pass
11.4792	364	326	89	Pass
11.9319	332	293	88	Pass
12.3847	309	271	87	Pass
12.8374	286	256	89	Pass
13.2902	264	237	89	Pass
13.7429	244	209	85	Pass
14.1957	223	193	86	Pass
14.6484	203	173	85	Pass
15.1011	179	164	91	Pass
15.5539	160	150	93	Pass
16.0066	153	135	88	Pass
16.4594	136	127	93	Pass
16.9121	121	114	94	Pass
17.3648	113	107	94	Pass
17.8176	107	98	91	Pass
18.2703	101	86	85	Pass
18.7231	91	77	84	Pass
19.1758	84	69	82	Pass
19.6286	81	64	79	Pass
20.0813	75	59	78	Pass
20.5340	74	54	72	Pass
20.9868	71	52	73	Pass
21.4395	68	47	69	Pass
21.8923	61	43	70	Pass
22.3450	55	40	72	Pass
22.7977	53	37	69	Pass
23.2505	48	33	68	Pass
23.7032	47	31	65	Pass
24.1560	44	27	61	Pass
24.6087	42	26	61	Pass
25.0615	38	25	65	Pass
25.5142	36	24	66	Pass
25.9669	34	24	70	Pass
26.4197	31	22	70	Pass
26.8724	28	22	78	Pass
27.3252	27	21	77	Pass
27.7779	25	19	76	Pass
28.2306	25	19	76	Pass

28.6834	23	18	78	Pass
29.1361	21	17	80	Pass
29.5889	19	17	89	Pass
30.0416	19	17	89	Pass
30.4944	18	17	94	Pass
30.9471	17	16	94	Pass
31.3998	17	16	94	Pass
31.8526	17	13	76	Pass
32.3053	16	13	81	Pass
32.7581	16	13	81	Pass
33.2108	15	13	86	Pass
33.6635	14	12	85	Pass
34.1163	14	12	85	Pass
34.5690	14	12	85	Pass
35.0218	14	12	85	Pass
35.4745	14	12	85	Pass
35.9273	14	12	85	Pass
36.3800	14	11	78	Pass
36.8327	12	10	83	Pass
37.2855	11	10	90	Pass
37.7382	11	10	90	Pass
38.1910	11	9	81	Pass
38.6437	11	8	72	Pass
39.0964	10	7	70	Pass
39.5492	10	7	70	Pass
40.0019	10	7	70	Pass
40.4547	10	7	70	Pass
40.9074	10	7	70	Pass
41.3602	10	7	70	Pass
41.8129	10	7	70	Pass
42.2656	10	7	70	Pass
42.7184	10	7	70	Pass
43.1711	10	7	70	Pass
43.6239	10	7	70	Pass
44.0766	10	7	70	Pass
44.5293	9	7	77	Pass
44.9821	9	7	77	Pass
45.4348	9	5	55	Pass
45.8876	9	5	55	Pass
46.3403	9	5	55	Pass
46.7931	9	5	55	Pass
47.2458	9	5	55	Pass
47.6985	9	4	44	Pass
48.1513	9	4	44	Pass
48.6040	9	4	44	Pass
49.0568	9	4	44	Pass
49.5095	9	3	33	Pass

Model Default Modifications

Total of 0 changes have been made.

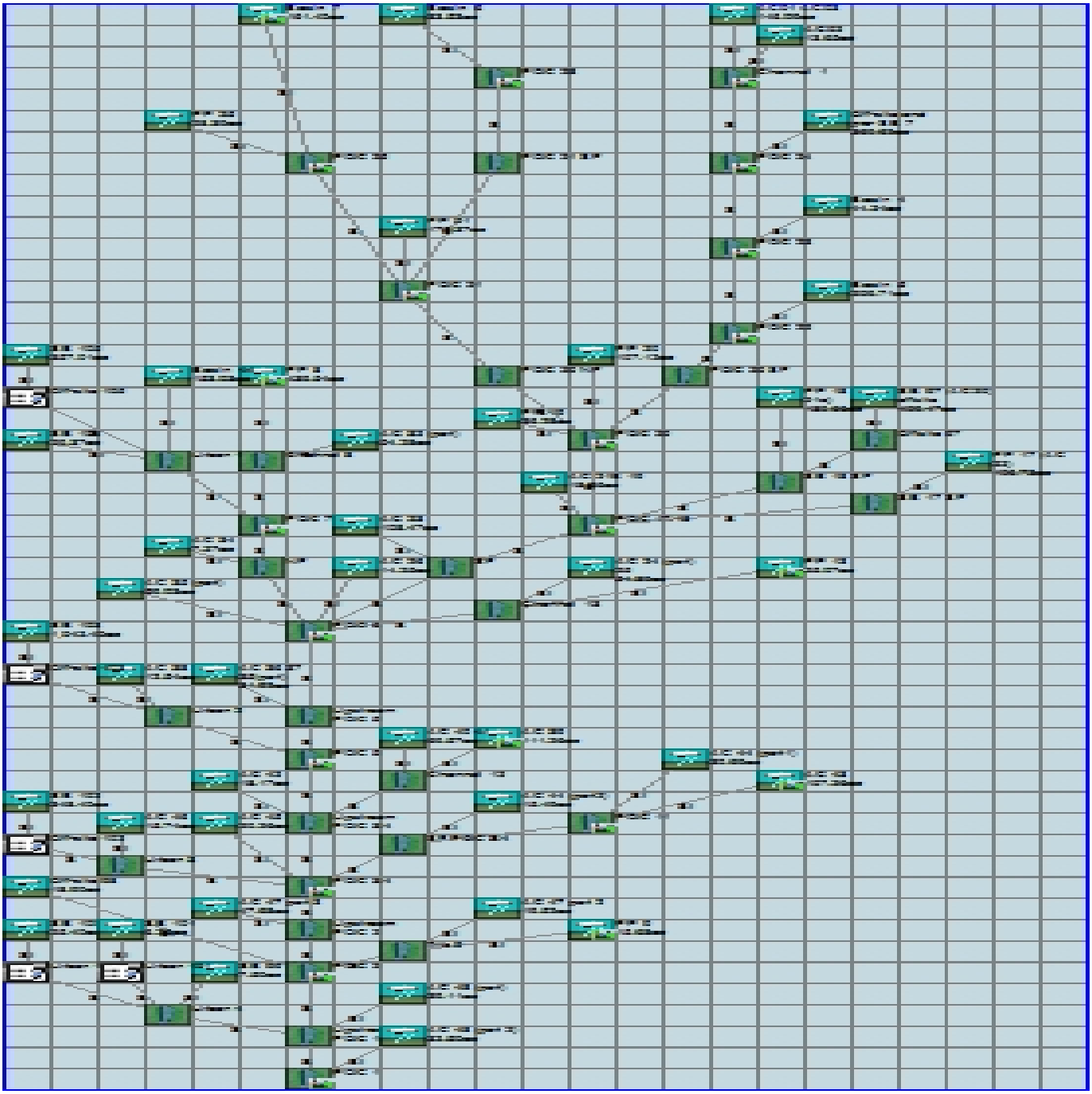
PERLND Changes

No PERLND changes have been made.

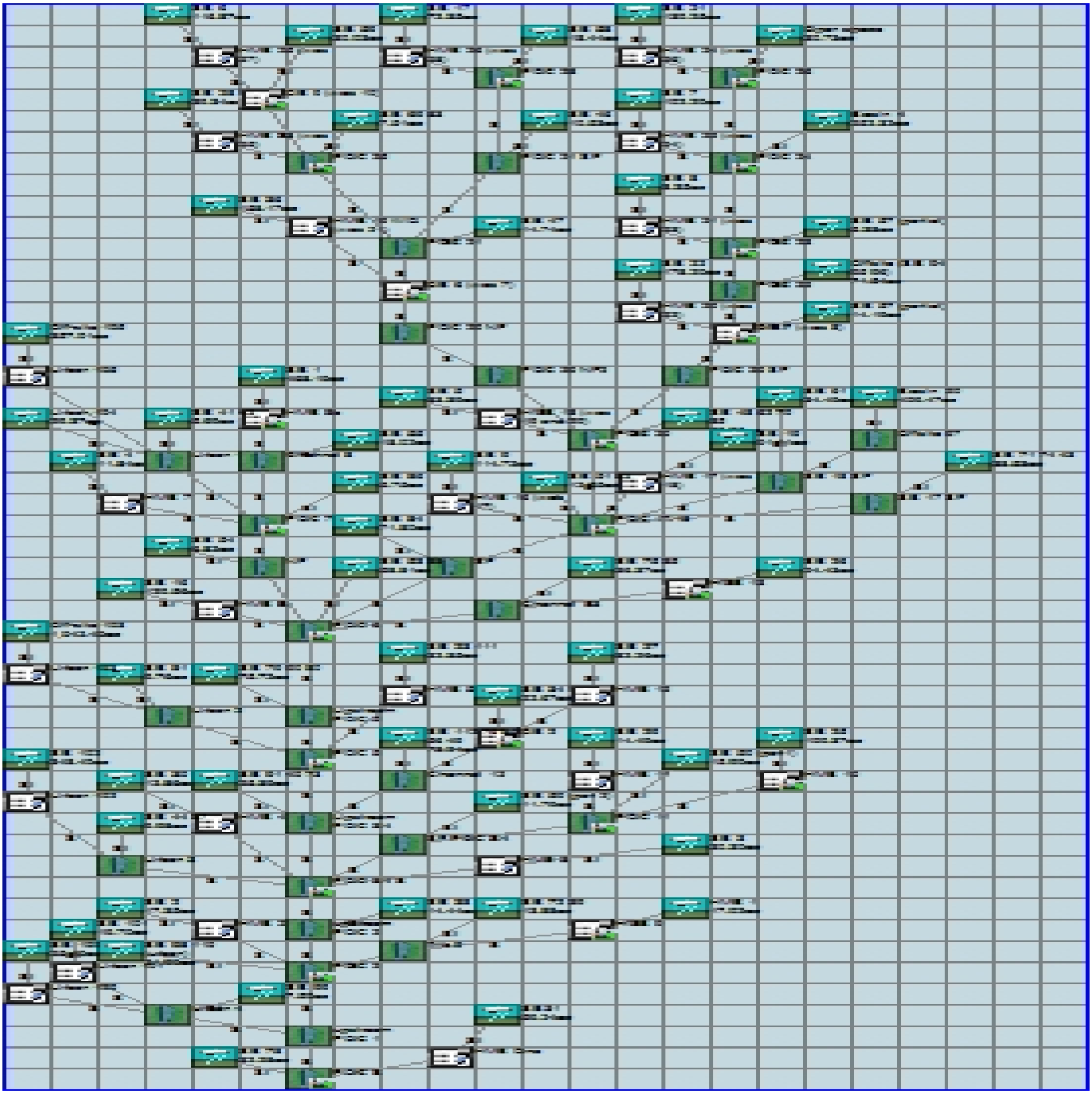
IMPLND Changes

No IMPLND changes have been made.

Appendix
Pre-Project Schematic



Mitigated Schematic



Pre-Project UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Folsom SOI_networked_ver 9-10a.wdm
MESSU       25   PreFolsom SOI_networked_ver 9-10a.MES
            27   PreFolsom SOI_networked_ver 9-10a.L61
            28   PreFolsom SOI_networked_ver 9-10a.L62
            30   POCFolsom SOI_networked_ver 9-10a1.dat
            31   POCFolsom SOI_networked_ver 9-10a2.dat
            32   POCFolsom SOI_networked_ver 9-10a3.dat
            33   POCFolsom SOI_networked_ver 9-10a4.dat
            34   POCFolsom SOI_networked_ver 9-10a5.dat
            35   POCFolsom SOI_networked_ver 9-10a6.dat
            36   POCFolsom SOI_networked_ver 9-10a7.dat
            37   POCFolsom SOI_networked_ver 9-10a8.dat
            38   POCFolsom SOI_networked_ver 9-10a9.dat
            39   POCFolsom SOI_networked_ver 9-10a10.dat
            40   POCFolsom SOI_networked_ver 9-10a11.dat
            41   POCFolsom SOI_networked_ver 9-10a12.dat
            42   POCFolsom SOI_networked_ver 9-10a13.dat
            43   POCFolsom SOI_networked_ver 9-10a14.dat
            44   POCFolsom SOI_networked_ver 9-10a15.dat
            45   POCFolsom SOI_networked_ver 9-10a16.dat
            46   POCFolsom SOI_networked_ver 9-10a17.dat
            47   POCFolsom SOI_networked_ver 9-10a18.dat
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            49   POCFolsom SOI_networked_ver 9-10a20.dat
            50   POCFolsom SOI_networked_ver 9-10a21.dat
            51   POCFolsom SOI_networked_ver 9-10a22.dat
END FILES

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      PERLND      50
      PERLND      52
      PERLND      49
      IMPLND       3
      PERLND      58
      IMPLND       2
      PERLND      41
      PERLND      34
      PERLND      33
      IMPLND       1
      PERLND      17
      PERLND      35
      PERLND      19
      RCHRES       1
      RCHRES       2
      RCHRES       3
      RCHRES       4
      RCHRES       5
      RCHRES       6
      RCHRES       7
      RCHRES       8
      RCHRES       9
      RCHRES      10
      RCHRES      11
      RCHRES      12
```

```
RCHRES      13
RCHRES      14
RCHRES      15
RCHRES      16
RCHRES      17
RCHRES      18
RCHRES      19
RCHRES      20
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RCHRES      34
RCHRES      35
RCHRES      36
RCHRES      37
RCHRES      38
RCHRES      39
RCHRES      40
RCHRES      41
RCHRES      42
COPY       527
COPY       508
COPY       513
COPY       512
COPY       510
COPY       509
COPY       528
COPY       526
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COPY       524
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COPY       501
DISPLY      27
DISPLY       8
DISPLY      13
DISPLY      12
DISPLY      10
DISPLY       9
DISPLY      28
DISPLY      26
DISPLY      25
DISPLY      11
DISPLY      24
DISPLY      23
DISPLY      21
DISPLY      22
DISPLY       7
DISPLY      20
DISPLY      17
DISPLY       6
```

```
      DISPLY       5
      DISPLY       3
      DISPLY       2
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title---------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
   27        Basin  7                  MAX                    1    2   56    9
    8        PP 8                      MAX                    1    2   37    9
   13        PP 13                     MAX                    1    2   42    9
   12        AC 39                     MAX                    1    2   41    9
   10        AC 43                     MAX                    1    2   39    9
    9        PP 9                      MAX                    1    2   38    9
   28        POC 28                    MAX                    1    2   57    9
   26        Channel  1                MAX                    1    2   55    9
   25        POC 25                    MAX                    1    2   54    9
   11        POC 11                    MAX                    1    2   40    9
   24        POC 24                    MAX                    1    2   53    9
   23        POC 23                    MAX                    1    2   52    9
   21        POC 21                    MAX                    1    2   50    9
   22        POC 22                    MAX                    1    2   51    9
    7        POC 7                     MAX                    1    2   36    9
   20        POC 20                    MAX                    1    2   49    9
   17        POC 17/18                 MAX                    1    2   46    9
    6        POC 6                     MAX                    1    2   35    9
    5        POC 5                     MAX                    1    2   34    9
    3        POC 3/4                   MAX                    1    2   32    9
    2        POC 2                     MAX                    1    2   31    9
    1        POC 1                     MAX                    1    2   30    9
  END DISPLY-INFO1
END DISPLY
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  508         1    1
  513         1    1
  512         1    1
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  505         1    1
  503         1    1
  502         1    1
  501         1    1
  END TIMESERIES
END COPY
GENER
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    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
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```
GEN-INFO
  <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
  # -  #                          User  t-series Engl Metr ***
                                    in  out           ***
 51     D,Grass,Steep(2-5%)      1    1    1    1   27    0
 50     D,Grass,Mod (1-2%)       1    1    1    1   27    0
 52     D,Grass,VSteep(>5%)      1    1    1    1   27    0
 49     D,Grass,Flat(0-1%)       1    1    1    1   27    0
 58     D,Urban,Mod (1-2%)       1    1    1    1   27    0
 41     C,Urban,Flat(0-1%)       1    1    1    1   27    0
 34     C,Grass,Mod (1-2%)       1    1    1    1   27    0
 33     C,Grass,Flat(0-1%)       1    1    1    1   27    0
 17     B,Grass,Flat(0-1%)       1    1    1    1   27    0
 35     C,Grass,Steep(2-5%)      1    1    1    1   27    0
 19     B,Grass,Steep(2-5%)      1    1    1    1   27    0
END GEN-INFO
*** Section PWATER***

ACTIVITY
  <PLS > ************* Active Sections ******************************
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
 51         0    0    1    0    0    0    0    0    0    0    0    0
 50         0    0    1    0    0    0    0    0    0    0    0    0
 52         0    0    1    0    0    0    0    0    0    0    0    0
 49         0    0    1    0    0    0    0    0    0    0    0    0
 58         0    0    1    0    0    0    0    0    0    0    0    0
 41         0    0    1    0    0    0    0    0    0    0    0    0
 34         0    0    1    0    0    0    0    0    0    0    0    0
 33         0    0    1    0    0    0    0    0    0    0    0    0
 17         0    0    1    0    0    0    0    0    0    0    0    0
 35         0    0    1    0    0    0    0    0    0    0    0    0
 19         0    0    1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ***************** Print-flags ***************************** PIVL  PYR
  # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
 51         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 49         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 41         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 34         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 33         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 17         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 35         0    0    4    0    0    0    0    0    0    0    0    0    1    9
 19         0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -  # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 51         0    0    0    1    0    0    0    0    1    0    0
 50         0    0    0    1    0    0    0    0    1    0    0
 52         0    0    0    1    0    0    0    0    1    0    0
 49         0    0    0    1    0    0    0    0    1    0    0
 58         0    0    0    1    0    0    0    0    1    0    0
 41         0    0    0    1    0    0    0    0    1    0    0
 34         0    0    0    1    0    0    0    0    1    0    0
 33         0    0    0    1    0    0    0    0    1    0    0
 17         0    0    0    1    0    0    0    0    1    0    0
 35         0    0    0    1    0    0    0    0    1    0    0
 19         0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2          ***
  # -  # ***FOREST      LZSN     INFILT       LSUR      SLSUR      KVARY      AGWRC
 51              0       4.3      0.025        400       0.05          3       0.92
```

```
 50              0      4.35     0.028       400      0.02         3      0.92
 52              0       4.2      0.02       350       0.1         3      0.92
 49              0       4.4      0.03       400      0.01         3      0.92
 58              0       4.4     0.018       400      0.02         3      0.92
 41              0      4.45     0.035       400      0.01         3      0.92
 34              0      4.45     0.043       400      0.02         3      0.92
 33              0       4.5     0.045       400      0.01         3      0.92
 17              0       4.7     0.065       400      0.01         3      0.92
 35              0       4.4      0.04       400      0.05         3      0.92
 19              0       4.6     0.055       400      0.05         3      0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3          ***
  # -  # ***PETMAX    PETMIN    INFEXP    INFILD    DEEPFR    BASETP    AGWETP
 51             40        35         2         2         0         0      0.05
 50             40        35         2         2         0         0      0.05
 52             40        35         2         2         0         0      0.05
 49             40        35         2         2         0         0      0.05
 58             40        35         2         2         0         0      0.05
 41             40        35         2         2         0         0      0.05
 34             40        35         2         2         0         0      0.05
 33             40        35         2         2         0         0      0.05
 17             40        35         2         2         0         0      0.05
 35             40        35         2         2         0         0      0.05
 19             40        35         2         2         0         0      0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                                  ***
  # -  #     CEPSC      UZSN      NSUR     INTFW       IRC     LZETP ***
 51              0      0.27      0.25       0.6      0.45         0
 50              0      0.28      0.25      0.65      0.48         0
 52              0      0.25      0.25       0.5       0.4         0
 49              0       0.3      0.25       0.7       0.5         0
 58              0      0.28      0.25      0.48      0.38         0
 41              0       0.3      0.25       0.5       0.4         0
 34              0      0.28      0.25      0.65      0.48         0
 33              0       0.3      0.25       0.7       0.5         0
 17              0      0.35      0.25       1.5       0.5         0
 35              0      0.27      0.25       0.6      0.45         0
 19              0      0.32      0.25       1.4      0.45         0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 51       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 50       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 52       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 49       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 58       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 41       0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 34       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 33       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 17       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 35       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 19       0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 51      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 50      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 52      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 49      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 58      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 41      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 34      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 33      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 17      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 35      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
```

```
   19      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS      IFWS       LZS      AGWS       GWVS
   51             0         0      0.15         0         4      0.05          0
   50             0         0      0.15         0         4      0.05          0
   52             0         0      0.15         0         4      0.05          0
   49             0         0      0.15         0         4      0.05          0
   58             0         0      0.15         0         4      0.05          0
   41             0         0      0.15         0         4      0.05          0
   34             0         0      0.15         0         4      0.05          0
   33             0         0      0.15         0         4      0.05          0
   17             0         0      0.15         0         4      0.05          0
   35             0         0      0.15         0         4      0.05          0
   19             0         0      0.15         0         4      0.05          0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name------->   Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                    in  out           ***
    3     Imperv,Steep(2-5%)      1    1    1   27    0
    2     Imperv,Mod (1-2%)       1    1    1   27    0
    1     Imperv,Flat(0-1%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    ***
    3         0    0    1    0    0    0
    2         0    0    1    0    0    0
    1         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
    3         0    0    4    0    0    0    1    9
    2         0    0    4    0    0    0    1    9
    1         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    3         0    0    0    0    0
    2         0    0    0    0    0
    1         0    0    0    0    0
  END IWAT-PARM1

  IWAT-PARM2
    <PLS >      IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    3            100      0.05      0.05     0.095
    2            100      0.02      0.05       0.1
    1            100      0.01      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >      IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    3             0         0
    2             0         0
```

```
    1              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    3              0         0
    2              0         0
    1              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                  <--Area-->     <-Target->   MBLK   ***
<Name>   #                  <-factor->     <Name>   #   Tbl#   ***
AC01 AC03***
PERLND  51                      146.09     RCHRES   9      2
PERLND  51                      146.09     RCHRES   9      3
AC02***
PERLND  51                       13.65     RCHRES   9      2
PERLND  51                       13.65     RCHRES   9      3
Off-site and pre- SB 7***
PERLND  51                      360.62     RCHRES  20      2
PERLND  51                      360.62     RCHRES  20      3
Basin  4***
PERLND  50                       44.24     RCHRES  24      2
PERLND  50                       44.24     RCHRES  24      3
PP 20***
PERLND  49                      107.12     RCHRES  31      2
PERLND  49                      107.12     RCHRES  31      3
Basin  5***
PERLND  50                      209.71     RCHRES  26      2
PERLND  50                      209.71     RCHRES  26      3
Basin  6***
PERLND  51                       83.53     RCHRES   1      2
PERLND  51                       83.53     RCHRES   1      3
PP 25***
PERLND  51                       28.39     RCHRES  10      2
PERLND  51                       28.39     RCHRES  10      3
Basin  7***
PERLND  52                       161.4     RCHRES  10      2
PERLND  52                       161.4     RCHRES  10      3
PP 21***
PERLND  50                      175.37     RCHRES  25      2
PERLND  50                      175.37     RCHRES  25      3
PP 8***
PERLND  51                      430.61     RCHRES  13      2
PERLND  51                      430.61     RCHRES  13      3
IMPLND   3                       8.93     RCHRES  13      5
PP 13***
PERLND  50                       25.07     RCHRES  12      2
PERLND  50                       25.07     RCHRES  12      3
PP 19***
PERLND  50                       36.28     RCHRES  31      2
PERLND  50                       36.28     RCHRES  31      3
PP 18 (AC 21a)***
PERLND  50                      130.66     RCHRES  17      2
PERLND  50                      130.66     RCHRES  17      3
SB 97 (AC20) offsite***
PERLND  50                      409.47     RCHRES   3      2
PERLND  50                      409.47     RCHRES   3      3
AC 39***
PERLND  50                      111.26     RCHRES  14      2
PERLND  50                      111.26     RCHRES  14      3
PP 17 (AC 22)***
PERLND  50                      106.73     RCHRES   2      2
PERLND  50                      106.73     RCHRES   2      3
AC 21B 19***
PERLND  49                       18.36     RCHRES  32      2
```

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PERLND  49                    18.36     RCHRES  32      3
AC 32 (part)***
PERLND  50                    54.28     RCHRES  13      2
PERLND  50                    54.28     RCHRES  13      3
AC 34***
PERLND  51                     7.27     RCHRES  30      2
PERLND  51                     7.27     RCHRES  30      3
AC 23***
PERLND  49                   108.47     RCHRES  33      2
PERLND  49                   108.47     RCHRES  33      3
AC 24 (part) 25***
PERLND  51                     54.3     RCHRES  12      2
PERLND  51                     54.3     RCHRES  12      3
AC 43***
PERLND  17                    25.64     RCHRES  15      2
PERLND  17                    25.64     RCHRES  15      3
PERLND  49                    81.62     RCHRES  15      2
PERLND  49                    81.62     RCHRES  15      3
AC 26***
PERLND  50                    14.25     RCHRES  34      2
PERLND  50                    14.25     RCHRES  34      3
AC 35 (part)***
PERLND  50                    59.03     RCHRES  34      2
PERLND  50                    59.03     RCHRES  34      3
SB 102***
PERLND  58                   188.16     RCHRES   6      2
PERLND  58                   188.16     RCHRES   6      3
IMPLND   2                   160.24     RCHRES   6      5
PP 9***
PERLND  19                     1.66     RCHRES  16      2
PERLND  19                     1.66     RCHRES  16      3
PERLND  35                    14.02     RCHRES  16      2
PERLND  35                    14.02     RCHRES  16      3
AC 36 37 35(part)***
PERLND  50                    77.93     RCHRES  35      2
PERLND  50                    77.93     RCHRES  35      3
IMPLND   2                     3.99     RCHRES  35      5
AC 38***
PERLND  50                    10.82     RCHRES  18      2
PERLND  50                    10.82     RCHRES  18      3
IMPLND   2                     1.72     RCHRES  18      5
AC 40 41***
PERLND  51                    69.57     RCHRES  14      2
PERLND  51                    69.57     RCHRES  14      3
AC 42***
PERLND  41                     4.95     RCHRES  37      2
PERLND  41                     4.95     RCHRES  37      3
PERLND  49                    13.22     RCHRES  37      2
PERLND  49                    13.22     RCHRES  37      3
AC 45***
PERLND  34                    13.52     RCHRES  38      2
PERLND  34                    13.52     RCHRES  38      3
PERLND  50                     6.74     RCHRES  38      2
PERLND  50                     6.74     RCHRES  38      3
AC 46***
PERLND  33                     1.21     RCHRES  19      2
PERLND  33                     1.21     RCHRES  19      3
PERLND  49                    13.02     RCHRES  19      2
PERLND  49                    13.02     RCHRES  19      3
IMPLND   1                     1.51     RCHRES  19      5
AC 44 (part2)***
PERLND  35                     0.41     RCHRES  22      2
PERLND  35                     0.41     RCHRES  22      3
PERLND  51                    15.08     RCHRES  22      2
PERLND  51                    15.08     RCHRES  22      3
AC 44 (part1)***
PERLND  19                     2.86     RCHRES  15      2
PERLND  19                     2.86     RCHRES  15      3
PERLND  51                    27.83     RCHRES  15      2
PERLND  51                    27.83     RCHRES  15      3
```

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AC 47 part 2***
PERLND  33                    9.51     RCHRES  16      2
PERLND  33                    9.51     RCHRES  16      3
PERLND  35                   10.01     RCHRES  16      2
PERLND  35                   10.01     RCHRES  16      3
AC 47 part 3***
PERLND  50                   11.12     RCHRES  39      2
PERLND  50                   11.12     RCHRES  39      3
PERLND  34                   35.05     RCHRES  39      2
PERLND  34                   35.05     RCHRES  39      3
IMPLND   2                    1.51     RCHRES  39      5
AC 48 (part)***
PERLND  33                   26.47     RCHRES  41      2
PERLND  33                   26.47     RCHRES  41      3
PERLND  49                    6.02     RCHRES  41      2
PERLND  49                    6.02     RCHRES  41      3
IMPLND   1                    6.62     RCHRES  41      5
AC 48 (part 2)***
PERLND  34                   26.48     RCHRES  42      2
PERLND  34                   26.48     RCHRES  42      3
PERLND  50                    6.02     RCHRES  42      2
PERLND  50                    6.02     RCHRES  42      3
Basin  44***
PERLND  50                  153.03     RCHRES  21      2
PERLND  50                  153.03     RCHRES  21      3
SB 104***
PERLND  58                    16.7     RCHRES  21      2
PERLND  58                    16.7     RCHRES  21      3
IMPLND   2                   12.67     RCHRES  21      5
SB 105***
PERLND  58                   80.76     RCHRES   4      2
PERLND  58                   80.76     RCHRES   4      3
IMPLND   2                  276.25     RCHRES   4      5
SB 103***
PERLND  58                  437.79     RCHRES   5      2
PERLND  58                  437.79     RCHRES   5      3
IMPLND   2                  604.61     RCHRES   5      5
Off-site 98***
PERLND  58                    1.89     RCHRES  40      2
PERLND  58                    1.89     RCHRES  40      3
IMPLND   2                   17.01     RCHRES  40      5
SB 99***
PERLND  58                    6.49     RCHRES  23      2
PERLND  58                    6.49     RCHRES  23      3
IMPLND   2                    1.01     RCHRES  23      5
SB 100***
PERLND  58                    3.51     RCHRES   7      2
PERLND  58                    3.51     RCHRES   7      3
IMPLND   2                   21.89     RCHRES   7      5
SB 101***
PERLND  58                    3.14     RCHRES   8      2
PERLND  58                    3.14     RCHRES   8      3
IMPLND   2                    3.14     RCHRES   8      5
Basin  7***
PERLND  52                   161.4     COPY   527     12
PERLND  52                   161.4     COPY   527     13
PP 8***
PERLND  51                  430.61     COPY   508     12
PERLND  51                  430.61     COPY   508     13
IMPLND   3                    8.93     COPY   508     15
PP 13***
PERLND  50                   25.07     COPY   513     12
PERLND  50                   25.07     COPY   513     13
AC 39***
PERLND  50                  111.26     COPY   512     12
PERLND  50                  111.26     COPY   512     13
AC 43***
PERLND  17                   25.64     COPY   510     12
PERLND  17                   25.64     COPY   510     13
PERLND  49                   81.62     COPY   510     12
```

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PERLND  49                      81.62     COPY   510     13
PP 9***
PERLND  19                       1.66     COPY   509     12
PERLND  19                       1.66     COPY   509     13
PERLND  35                      14.02     COPY   509     12
PERLND  35                      14.02     COPY   509     13

******Routing******
RCHRES   9                          1     RCHRES  20      6
RCHRES  20                          1     RCHRES  24      6
RCHRES  24                          1     RCHRES  26      6
RCHRES  26                          1     RCHRES  29      6
RCHRES   1                          1     RCHRES  11      6
RCHRES  10                          1     RCHRES  25      6
RCHRES  25                          1     RCHRES  27      6
RCHRES  11                          1     RCHRES  25      6
RCHRES  29                          1     RCHRES  31      6
RCHRES  27                          1     RCHRES  31      6
RCHRES  31                          1     RCHRES  32      6
RCHRES  32                          1     RCHRES  33      6
RCHRES  17                          1     RCHRES  32      6
RCHRES   2                          1     RCHRES  32      6
RCHRES   3                          1     RCHRES  17      6
RCHRES  33                          1     RCHRES  34      6
RCHRES  12                          1     RCHRES  34      6
RCHRES  34                          1     RCHRES  35      6
RCHRES  30                          1     RCHRES  34      6
RCHRES  28                          1     RCHRES  30      6
RCHRES  13                          1     RCHRES  28      6
RCHRES  21                          1     RCHRES  28      6
RCHRES  35                          1     RCHRES  36      6
RCHRES  36                          1     RCHRES  37      6
RCHRES  18                          1     RCHRES  36      6
RCHRES  14                          1     RCHRES  37      6
RCHRES  37                          1     RCHRES  38      6
RCHRES  15                          1     RCHRES  22      6
RCHRES  22                          1     RCHRES  38      6
RCHRES  38                          1     RCHRES  39      6
RCHRES  19                          1     RCHRES  38      6
RCHRES  39                          1     RCHRES  40      6
RCHRES  40                          1     RCHRES  41      6
RCHRES  16                          1     RCHRES  40      6
RCHRES  23                          1     RCHRES  41      6
RCHRES  41                          1     RCHRES  42      6
RCHRES   4                          1     RCHRES  21      6
RCHRES   5                          1     RCHRES  18      6
RCHRES   6                          1     RCHRES  19      6
RCHRES   7                          1     RCHRES  23      6
RCHRES   8                          1     RCHRES  23      6
RCHRES   9                          1     COPY   526     16
RCHRES  20                          1     COPY   524     16
RCHRES  24                          1     COPY   523     16
RCHRES  26                          1     COPY   522     16
RCHRES   1                          1     COPY   528     16
RCHRES  10                          1     COPY   525     16
RCHRES  25                          1     COPY   521     16
RCHRES  31                          1     COPY   520     16
RCHRES  32                          1     COPY   517     16
RCHRES  34                          1     COPY   506     16
RCHRES  28                          1     COPY   507     16
RCHRES  36                          1     COPY   505     16
RCHRES  15                          1     COPY   511     16
RCHRES  38                          1     COPY   503     16
RCHRES  40                          1     COPY   502     16
RCHRES  42                          1     COPY   501     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
```

```
COPY   527 OUTPUT MEAN   1 1   12.1        DISPLY  27     INPUT  TIMSER 1
COPY   508 OUTPUT MEAN   1 1   12.1        DISPLY   8     INPUT  TIMSER 1
COPY   513 OUTPUT MEAN   1 1   12.1        DISPLY  13     INPUT  TIMSER 1
COPY   512 OUTPUT MEAN   1 1   12.1        DISPLY  12     INPUT  TIMSER 1
COPY   510 OUTPUT MEAN   1 1   12.1        DISPLY  10     INPUT  TIMSER 1
COPY   509 OUTPUT MEAN   1 1   12.1        DISPLY   9     INPUT  TIMSER 1
COPY   528 OUTPUT MEAN   1 1   12.1        DISPLY  28     INPUT  TIMSER 1
COPY   526 OUTPUT MEAN   1 1   12.1        DISPLY  26     INPUT  TIMSER 1
COPY   525 OUTPUT MEAN   1 1   12.1        DISPLY  25     INPUT  TIMSER 1
COPY   511 OUTPUT MEAN   1 1   12.1        DISPLY  11     INPUT  TIMSER 1
COPY   524 OUTPUT MEAN   1 1   12.1        DISPLY  24     INPUT  TIMSER 1
COPY   523 OUTPUT MEAN   1 1   12.1        DISPLY  23     INPUT  TIMSER 1
COPY   521 OUTPUT MEAN   1 1   12.1        DISPLY  21     INPUT  TIMSER 1
COPY   522 OUTPUT MEAN   1 1   12.1        DISPLY  22     INPUT  TIMSER 1
COPY   507 OUTPUT MEAN   1 1   12.1        DISPLY   7     INPUT  TIMSER 1
COPY   520 OUTPUT MEAN   1 1   12.1        DISPLY  20     INPUT  TIMSER 1
COPY   517 OUTPUT MEAN   1 1   12.1        DISPLY  17     INPUT  TIMSER 1
COPY   506 OUTPUT MEAN   1 1   12.1        DISPLY   6     INPUT  TIMSER 1
COPY   505 OUTPUT MEAN   1 1   12.1        DISPLY   5     INPUT  TIMSER 1
COPY   503 OUTPUT MEAN   1 1   12.1        DISPLY   3     INPUT  TIMSER 1
COPY   502 OUTPUT MEAN   1 1   12.1        DISPLY   2     INPUT  TIMSER 1
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1


<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<------------------><---> User T-series  Engl Metr LKFG           ***
                                        in  out                             ***
    1     POC 28                  1    1    1    1   28    0    1
    2     SB 17 SF                1    1    1    1   28    0    1
    3     Offsite 97              1    1    1    1   28    0    1
    4     Off-site 105            1    1    1    1   28    0    1
    5     Off-site 103            1    1    1    1   28    0    1
    6     Off-site 102            1    1    1    1   28    0    1
    7     Urban 100               1    1    1    1   28    0    1
    8     Urban 101               1    1    1    1   28    0    1
    9     Channel  1              1    1    1    1   28    0    1
   10     POC 25                  1    1    1    1   28    0    1
   11     POC 21 SF               1    1    1    1   28    0    1
   12     Channel  13             1    1    1    1   28    0    1
   13     Channel 8               1    1    1    1   28    0    1
   14     Channel  12             1    1    1    1   28    0    1
   15     POC 11                  1    1    1    1   28    0    1
   16     Trib 9                  1    1    1    1   28    0    1
   17     SB 18 SF                1    1    1    1   28    0    1
   18     Urban 2                 1    1    1    1   28    0    1
   19     Urban 3                 1    1    1    1   28    0    1
   20     POC 24                  1    1    1    1   28    0    1
   21     Urban 1                 1    1    1    1   28    0    1
   22     SF POC 3/4              1    1    1    1   28    0    1
   23     Urban 4                 1    1    1    1   28    0    1
   24     POC 23                  1    1    1    1   28    0    1
   25     POC 21                  1    1    1    1   28    0    1
   26     POC 22                  1    1    1    1   28    0    1
   27     POC 20 NF               1    1    1    1   28    0    1
   28     POC 7                   1    1    1    1   28    0    1
   29     POC 20 SF               1    1    1    1   28    0    1
   30     NF                      1    1    1    1   28    0    1
   31     POC 20                  1    1    1    1   28    0    1
   32     POC 17/18               1    1    1    1   28    0    1
   33     SF                      1    1    1    1   28    0    1
   34     POC 6                   1    1    1    1   28    0    1
   35     Upstream POC 5          1    1    1    1   28    0    1
   36     POC 5                   1    1    1    1   28    0    1
```

```
 37     Upstream POC 3/4-186    1    1    1    1   28    0    1
 38     POC 3/4                 1    1    1    1   28    0    1
 39     Upstream POC 2          1    1    1    1   28    0    1
 40     POC 2                   1    1    1    1   28    0    1
 41     Upstream POC 1          1    1    1    1   28    0    1
 42     POC 1                   1    1    1    1   28    0    1
END GEN-INFO
*** Section RCHRES***

ACTIVITY
  <PLS > ************ Active Sections ******************************
  # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  1         1    0    0    0    0    0    0    0    0    0
  2         1    0    0    0    0    0    0    0    0    0
  3         1    0    0    0    0    0    0    0    0    0
  4         1    0    0    0    0    0    0    0    0    0
  5         1    0    0    0    0    0    0    0    0    0
  6         1    0    0    0    0    0    0    0    0    0
  7         1    0    0    0    0    0    0    0    0    0
  8         1    0    0    0    0    0    0    0    0    0
  9         1    0    0    0    0    0    0    0    0    0
 10         1    0    0    0    0    0    0    0    0    0
 11         1    0    0    0    0    0    0    0    0    0
 12         1    0    0    0    0    0    0    0    0    0
 13         1    0    0    0    0    0    0    0    0    0
 14         1    0    0    0    0    0    0    0    0    0
 15         1    0    0    0    0    0    0    0    0    0
 16         1    0    0    0    0    0    0    0    0    0
 17         1    0    0    0    0    0    0    0    0    0
 18         1    0    0    0    0    0    0    0    0    0
 19         1    0    0    0    0    0    0    0    0    0
 20         1    0    0    0    0    0    0    0    0    0
 21         1    0    0    0    0    0    0    0    0    0
 22         1    0    0    0    0    0    0    0    0    0
 23         1    0    0    0    0    0    0    0    0    0
 24         1    0    0    0    0    0    0    0    0    0
 25         1    0    0    0    0    0    0    0    0    0
 26         1    0    0    0    0    0    0    0    0    0
 27         1    0    0    0    0    0    0    0    0    0
 28         1    0    0    0    0    0    0    0    0    0
 29         1    0    0    0    0    0    0    0    0    0
 30         1    0    0    0    0    0    0    0    0    0
 31         1    0    0    0    0    0    0    0    0    0
 32         1    0    0    0    0    0    0    0    0    0
 33         1    0    0    0    0    0    0    0    0    0
 34         1    0    0    0    0    0    0    0    0    0
 35         1    0    0    0    0    0    0    0    0    0
 36         1    0    0    0    0    0    0    0    0    0
 37         1    0    0    0    0    0    0    0    0    0
 38         1    0    0    0    0    0    0    0    0    0
 39         1    0    0    0    0    0    0    0    0    0
 40         1    0    0    0    0    0    0    0    0    0
 41         1    0    0    0    0    0    0    0    0    0
 42         1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ***************** Print-flags ******************* PIVL  PYR
  # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  1         4    0    0    0    0    0    0    0    0    0    1    9
  2         4    0    0    0    0    0    0    0    0    0    1    9
  3         4    0    0    0    0    0    0    0    0    0    1    9
  4         4    0    0    0    0    0    0    0    0    0    1    9
  5         4    0    0    0    0    0    0    0    0    0    1    9
  6         4    0    0    0    0    0    0    0    0    0    1    9
  7         4    0    0    0    0    0    0    0    0    0    1    9
  8         4    0    0    0    0    0    0    0    0    0    1    9
  9         4    0    0    0    0    0    0    0    0    0    1    9
 10         4    0    0    0    0    0    0    0    0    0    1    9
 11         4    0    0    0    0    0    0    0    0    0    1    9
```

12	4	0	0	0	0	0	0	0	0	0	1	9
13	4	0	0	0	0	0	0	0	0	0	1	9
14	4	0	0	0	0	0	0	0	0	0	1	9
15	4	0	0	0	0	0	0	0	0	0	1	9
16	4	0	0	0	0	0	0	0	0	0	1	9
17	4	0	0	0	0	0	0	0	0	0	1	9
18	4	0	0	0	0	0	0	0	0	0	1	9
19	4	0	0	0	0	0	0	0	0	0	1	9
20	4	0	0	0	0	0	0	0	0	0	1	9
21	4	0	0	0	0	0	0	0	0	0	1	9
22	4	0	0	0	0	0	0	0	0	0	1	9
23	4	0	0	0	0	0	0	0	0	0	1	9
24	4	0	0	0	0	0	0	0	0	0	1	9
25	4	0	0	0	0	0	0	0	0	0	1	9
26	4	0	0	0	0	0	0	0	0	0	1	9
27	4	0	0	0	0	0	0	0	0	0	1	9
28	4	0	0	0	0	0	0	0	0	0	1	9
29	4	0	0	0	0	0	0	0	0	0	1	9
30	4	0	0	0	0	0	0	0	0	0	1	9
31	4	0	0	0	0	0	0	0	0	0	1	9
32	4	0	0	0	0	0	0	0	0	0	1	9
33	4	0	0	0	0	0	0	0	0	0	1	9
34	4	0	0	0	0	0	0	0	0	0	1	9
35	4	0	0	0	0	0	0	0	0	0	1	9
36	4	0	0	0	0	0	0	0	0	0	1	9
37	4	0	0	0	0	0	0	0	0	0	1	9
38	4	0	0	0	0	0	0	0	0	0	1	9
39	4	0	0	0	0	0	0	0	0	0	1	9
40	4	0	0	0	0	0	0	0	0	0	1	9
41	4	0	0	0	0	0	0	0	0	0	1	9
42	4	0	0	0	0	0	0	0	0	0	1	9

END PRINT-INFO

HYDR-PARM1

RCHRES # - #	Flags for each HYDR Section: VC FG *	A1 FG *	A2 FG *	A3 FG *	ODFVFG for each possible *	ODFVFG for each exit *	ODGTFG for each *** possible *	ODGTFG for each exit *	FUNCT for each possible ***	FUNCT for each exit
1	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
2	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
3	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
4	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
5	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
6	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
7	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
8	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
9	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
10	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
11	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
12	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
13	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
14	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
15	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
16	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
17	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
18	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
19	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
20	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
21	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
22	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
23	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
24	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
25	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
26	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
27	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
28	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
29	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
30	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
31	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
32	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2

```
 33        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 34        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 35        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 36        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 37        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 38        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 39        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 40        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 41        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 42        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
END HYDR-PARM1

HYDR-PARM2
  # -  #    FTABNO       LEN      DELTH     STCOR        KS      DB50        ***
<------><--------><--------><--------><--------><--------><--------><------***
  1              1      0.32       0.0       0.0       0.5       0.0
  2              2      0.28       0.0       0.0       0.5       0.0
  3              3      1.05       0.0       0.0       0.5       0.0
  4              4      0.01       0.0       0.0       0.5       0.0
  5              5      0.01       0.0       0.0       0.5       0.0
  6              6      0.01       0.0       0.0       0.5       0.0
  7              7      0.01       0.0       0.0       0.5       0.0
  8              8      0.01       0.0       0.0       0.5       0.0
  9              9      0.35       0.0       0.0       0.5       0.0
 10             10      0.39       0.0       0.0       0.5       0.0
 11             11      0.47       0.0       0.0       0.5       0.0
 12             12       0.3       0.0       0.0       0.5       0.0
 13             13      0.28       0.0       0.0       0.5       0.0
 14             14      0.57       0.0       0.0       0.5       0.0
 15             15      0.27       0.0       0.0       0.5       0.0
 16             16      0.36       0.0       0.0       0.5       0.0
 17             17      0.64       0.0       0.0       0.5       0.0
 18             18      0.11       0.0       0.0       0.5       0.0
 19             19      0.23       0.0       0.0       0.5       0.0
 20             20      0.65       0.0       0.0       0.5       0.0
 21             21      0.43       0.0       0.0       0.5       0.0
 22             22      0.14       0.0       0.0       0.5       0.0
 23             23      0.09       0.0       0.0       0.5       0.0
 24             24      0.25       0.0       0.0       0.5       0.0
 25             25      0.63       0.0       0.0       0.5       0.0
 26             26      0.39       0.0       0.0       0.5       0.0
 27             27      0.47       0.0       0.0       0.5       0.0
 28             28      0.04       0.0       0.0       0.5       0.0
 29             29      0.53       0.0       0.0       0.5       0.0
 30             30      0.14       0.0       0.0       0.5       0.0
 31             31      0.32       0.0       0.0       0.5       0.0
 32             32      0.25       0.0       0.0       0.5       0.0
 33             33      0.87       0.0       0.0       0.5       0.0
 34             34      0.32       0.0       0.0       0.5       0.0
 35             35      0.36       0.0       0.0       0.5       0.0
 36             36      0.08       0.0       0.0       0.5       0.0
 37             37      0.27       0.0       0.0       0.5       0.0
 38             38      0.05       0.0       0.0       0.5       0.0
 39             39      0.18       0.0       0.0       0.5       0.0
 40             40      0.07       0.0       0.0       0.5       0.0
 41             41      0.19       0.0       0.0       0.5       0.0
 42             42      0.19       0.0       0.0       0.5       0.0
END HYDR-PARM2
HYDR-INIT
  RCHRES  Initial conditions for each HYDR section                     ***
  # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
        *** ac-ft     for each possible exit        for each possible exit
<------><-------->     <---><---><---><---><---> *** <---><---><---><---><--->
  1         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  2         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  3         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  4         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  5         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  6         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  7         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
```

```
    8         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
    9         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   10         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   11         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   12         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   13         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   14         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   15         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   16         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   17         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   18         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   19         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   20         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   21         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   22         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   23         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   24         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   25         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   26         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   27         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   28         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   29         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   30         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   31         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   32         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   33         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   34         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   35         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   36         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   37         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   38         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   39         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   40         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   41         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   42         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE      9
   91    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.467172  0.000000  0.000000
  0.022222  0.468116  0.010392  0.176713
  0.044444  0.469060  0.020805  0.560295
  0.066667  0.470004  0.031239  1.099861
  0.088889  0.470948  0.041694  1.774231
  0.111111  0.471893  0.052170  2.570234
  0.133333  0.472837  0.062667  3.478503
  0.155556  0.473781  0.073185  4.491859
  0.177778  0.474725  0.083724  5.604540
  0.200000  0.475669  0.094284  6.811764
  0.222222  0.476613  0.104865  8.109464
  0.244444  0.477558  0.115467  9.494121
  0.266667  0.478502  0.126090  10.96264
  0.288889  0.479446  0.136734  12.51227
  0.311111  0.480390  0.147399  14.14053
  0.333333  0.481334  0.158084  15.84519
  0.355556  0.482279  0.168791  17.62421
  0.377778  0.483223  0.179519  19.47570
  0.400000  0.484167  0.190268  21.39795
  0.422222  0.485111  0.201037  23.38934
  0.444444  0.486055  0.211828  25.44839
  0.466667  0.486999  0.222640  27.57370
  0.488889  0.487944  0.233473  29.76397
  0.511111  0.488888  0.244326  32.01797
  0.533333  0.489832  0.255201  34.33454
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0.555556  0.490776  0.266097  36.71260
0.577778  0.491720  0.277013  39.15110
0.600000  0.492665  0.287951  41.64908
0.622222  0.493609  0.298909  44.20558
0.644444  0.494553  0.309889  46.81974
0.666667  0.495497  0.320890  49.49071
0.688889  0.496442  0.331911  52.21767
0.711111  0.497386  0.342954  54.99986
0.733333  0.498330  0.354017  57.83654
0.755556  0.499274  0.365102  60.72700
0.777778  0.500218  0.376207  63.67056
0.800000  0.501163  0.387334  66.66657
0.822222  0.502107  0.398481  69.71440
0.844444  0.503051  0.409649  72.81346
0.866667  0.503995  0.420839  75.96315
0.888889  0.504939  0.432049  79.16293
0.911111  0.505884  0.443281  82.41224
0.933333  0.506828  0.454533  85.71058
0.955556  0.507772  0.465806  89.05743
0.977778  0.508716  0.477101  92.45231
1.000000  0.509661  0.488416  95.89476
1.022222  0.510605  0.499752  99.38431
1.044444  0.511549  0.511109  102.9205
1.066667  0.512493  0.522488  106.5030
1.088889  0.513438  0.533887  110.1313
1.111111  0.514382  0.545307  113.8050
1.133333  0.515326  0.556748  117.5238
1.155556  0.516270  0.568211  121.2872
1.177778  0.517215  0.579694  125.0949
1.200000  0.518159  0.591198  128.9465
1.222222  0.519103  0.602723  132.8418
1.244444  0.520047  0.614269  136.7803
1.266667  0.520992  0.625836  140.7617
1.288889  0.521936  0.637424  144.7858
1.311111  0.522880  0.649033  148.8522
1.333333  0.523824  0.660663  152.9605
1.355556  0.524769  0.672314  157.1106
1.377778  0.525713  0.683986  161.3022
1.400000  0.526657  0.695679  165.5348
1.422222  0.527601  0.707393  169.8084
1.444444  0.528546  0.719128  174.1226
1.466667  0.529490  0.730884  178.4771
1.488889  0.530434  0.742661  182.8718
1.511111  0.531378  0.754459  187.3063
1.533333  0.532323  0.766278  191.7804
1.555556  0.533267  0.778118  196.2940
1.577778  0.534211  0.789979  200.8467
1.600000  0.535155  0.801861  205.4384
1.622222  0.536100  0.813763  210.0688
1.644444  0.537044  0.825687  214.7377
1.666667  0.537988  0.837632  219.4450
1.688889  0.538933  0.849598  224.1904
1.711111  0.539877  0.861585  228.9737
1.733333  0.540821  0.873592  233.7947
1.755556  0.541765  0.885621  238.6533
1.777778  0.542710  0.897671  243.5492
1.800000  0.543654  0.909742  248.4823
1.822222  0.544598  0.921833  253.4524
1.844444  0.545543  0.933946  258.4593
1.866667  0.546487  0.946080  263.5029
1.888889  0.547431  0.958234  268.5830
1.911111  0.548375  0.970410  273.6995
1.933333  0.549320  0.982607  278.8521
1.955556  0.550264  0.994824  284.0408
1.977778  0.551208  1.007063  289.2653
2.000000  0.552153  1.019322  294.5256
END FTABLE  9
FTABLE     20
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
```

(ft)	(acres)	(acre-ft)	(cfs)	(ft/sec)	(Minutes)***
0.000000	0.473140	0.000000	0.000000		
0.066667	0.478398	0.031718	0.304518		
0.133333	0.483655	0.063786	0.960245		
0.200000	0.488913	0.096205	1.875256		
0.266667	0.494170	0.128975	3.010358		
0.333333	0.499427	0.162095	4.340978		
0.400000	0.504685	0.195565	5.849645		
0.466667	0.509942	0.229386	7.523070		
0.533333	0.515199	0.263557	9.350719		
0.600000	0.520457	0.298079	11.32400		
0.666667	0.525714	0.332952	13.43575		
0.733333	0.530971	0.368174	15.67993		
0.800000	0.536229	0.403748	18.05135		
0.866667	0.541486	0.439672	20.54555		
0.933333	0.546744	0.475946	23.15862		
1.000000	0.552001	0.512571	25.88717		
1.066667	0.557259	0.549546	28.72817		
1.133333	0.562516	0.586872	31.67897		
1.200000	0.567773	0.624548	34.73721		
1.266667	0.573031	0.662575	37.90078		
1.333333	0.578288	0.700952	41.16782		
1.400000	0.583546	0.739680	44.53663		
1.466667	0.588803	0.778758	48.00572		
1.533333	0.594061	0.818187	51.57372		
1.600000	0.599318	0.857966	55.23944		
1.666667	0.604575	0.898096	59.00177		
1.733333	0.609833	0.938576	62.85974		
1.800000	0.615090	0.979407	66.81246		
1.866667	0.620348	1.020589	70.85915		
1.933333	0.625605	1.062120	74.99910		
2.000000	0.630863	1.104003	79.23165		
2.066667	0.636120	1.146235	83.55626		
2.133333	0.641378	1.188819	87.97240		
2.200000	0.646635	1.231752	92.47962		
2.266667	0.651893	1.275037	97.07753		
2.333333	0.657150	1.318671	101.7658		
2.400000	0.662408	1.362657	106.5440		
2.466667	0.667665	1.406992	111.4120		
2.533333	0.672923	1.451679	116.3694		
2.600000	0.678180	1.496716	121.4162		
2.666667	0.683438	1.542103	126.5521		
2.733333	0.688695	1.587841	131.7770		
2.800000	0.693953	1.633929	137.0907		
2.866667	0.699211	1.680368	142.4932		
2.933333	0.704468	1.727157	147.9844		
3.000000	0.709726	1.774297	153.5643		
3.066667	0.714983	1.821787	159.2328		
3.133333	0.720241	1.869628	164.9899		
3.200000	0.725498	1.917819	170.8356		
3.266667	0.730756	1.966361	176.7700		
3.333333	0.736013	2.015253	182.7930		
3.400000	0.741271	2.064496	188.9048		
3.466667	0.746529	2.114089	195.1054		
3.533333	0.751786	2.164033	201.3948		
3.600000	0.757044	2.214328	207.7733		
3.666667	0.762301	2.264972	214.2408		
3.733333	0.767559	2.315968	220.7975		
3.800000	0.772817	2.367314	227.4434		
3.866667	0.778074	2.419010	234.1788		
3.933333	0.783332	2.471057	241.0038		
4.000000	0.788590	2.523454	247.9185		
4.066667	0.793847	2.576202	254.9231		
4.133333	0.799105	2.629300	262.0177		
4.200000	0.804362	2.682749	269.2024		
4.266667	0.809620	2.736549	276.4776		
4.333333	0.814878	2.790699	283.8433		
4.400000	0.820135	2.845199	291.2997		
4.466667	0.825393	2.900050	298.8471		
4.533333	0.830651	2.955252	306.4855		

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4.600000  0.835908  3.010804  314.2153
4.666667  0.841166  3.066706  322.0366
4.733333  0.846424  3.122959  329.9496
4.800000  0.851681  3.179563  337.9546
4.866667  0.856939  3.236517  346.0517
4.933333  0.862197  3.293821  354.2412
5.000000  0.867455  3.351476  362.5233
5.066667  0.872712  3.409482  370.8982
5.133333  0.877970  3.467838  379.3662
5.200000  0.883228  3.526544  387.9274
5.266667  0.888485  3.585601  396.5822
5.333333  0.893743  3.645009  405.3307
5.400000  0.899001  3.704767  414.1733
5.466667  0.904259  3.764876  423.1100
5.533333  0.909516  3.825335  432.1413
5.600000  0.914774  3.886145  441.2673
5.666667  0.920032  3.947305  450.4882
5.733333  0.925290  4.008816  459.8044
5.800000  0.930547  4.070677  469.2161
5.866667  0.935805  4.132889  478.7235
5.933333  0.941063  4.195451  488.3269
6.000000  0.946321  4.258364  498.0266
END FTABLE 20
FTABLE     24
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.215174  0.000000  0.000000
0.066667  0.217224  0.014413  0.281146
0.133333  0.219273  0.028963  0.887353
0.200000  0.221323  0.043650  1.734337
0.266667  0.223372  0.058473  2.786229
0.333333  0.225422  0.073433  4.020510
0.400000  0.227471  0.088529  5.421123
0.466667  0.229521  0.103762  6.975805
0.533333  0.231570  0.119132  8.674785
0.600000  0.233620  0.134638  10.51005
0.666667  0.235669  0.150281  12.47488
0.733333  0.237719  0.166061  14.56357
0.800000  0.239768  0.181977  16.77118
0.866667  0.241817  0.198030  19.09343
0.933333  0.243867  0.214219  21.52655
1.000000  0.245916  0.230545  24.06724
1.066667  0.247966  0.247008  26.71252
1.133333  0.250015  0.263608  29.45978
1.200000  0.252065  0.280344  32.30665
1.266667  0.254114  0.297216  35.25101
1.333333  0.256164  0.314225  38.29094
1.400000  0.258213  0.331371  41.42473
1.466667  0.260263  0.348654  44.65080
1.533333  0.262312  0.366073  47.96773
1.600000  0.264362  0.383629  51.37424
1.666667  0.266411  0.401321  54.86915
1.733333  0.268461  0.419150  58.45138
1.800000  0.270511  0.437116  62.11996
1.866667  0.272560  0.455218  65.87400
1.933333  0.274610  0.473457  69.71269
2.000000  0.276659  0.491833  73.63528
2.066667  0.278709  0.510345  77.64111
2.133333  0.280758  0.528994  81.72955
2.200000  0.282808  0.547780  85.90003
2.266667  0.284857  0.566702  90.15205
2.333333  0.286907  0.585761  94.48514
2.400000  0.288956  0.604956  98.89887
2.466667  0.291006  0.624288  103.3929
2.533333  0.293055  0.643757  107.9668
2.600000  0.295105  0.663362  112.6203
2.666667  0.297155  0.683104  117.3531
2.733333  0.299204  0.702983  122.1649
2.800000  0.301254  0.722998  127.0556
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2.866667  0.303303  0.743150  132.0249
2.933333  0.305353  0.763439  137.0726
3.000000  0.307402  0.783864  142.1986
3.066667  0.309452  0.804426  147.4028
3.133333  0.311502  0.825124  152.6850
3.200000  0.313551  0.845959  158.0451
3.266667  0.315601  0.866931  163.4831
3.333333  0.317650  0.888039  168.9988
3.400000  0.319700  0.909284  174.5923
3.466667  0.321750  0.930666  180.2634
3.533333  0.323799  0.952184  186.0122
3.600000  0.325849  0.973839  191.8387
3.666667  0.327898  0.995631  197.7427
3.733333  0.329948  1.017559  203.7245
3.800000  0.331998  1.039624  209.7838
3.866667  0.334047  1.061825  215.9209
3.933333  0.336097  1.084163  222.1357
4.000000  0.338146  1.106638  228.4283
4.066667  0.340196  1.129250  234.7987
4.133333  0.342246  1.151998  241.2470
4.200000  0.344295  1.174882  247.7733
4.266667  0.346345  1.197904  254.3776
4.333333  0.348395  1.221062  261.0600
4.400000  0.350444  1.244356  267.8206
4.466667  0.352494  1.267788  274.6595
4.533333  0.354544  1.291356  281.5769
4.600000  0.356593  1.315060  288.5727
4.666667  0.358643  1.338901  295.6472
4.733333  0.360693  1.362879  302.8004
4.800000  0.362742  1.386994  310.0324
4.866667  0.364792  1.411245  317.3435
4.933333  0.366842  1.435633  324.7336
5.000000  0.368891  1.460157  332.2030
5.066667  0.370941  1.484818  339.7517
5.133333  0.372991  1.509616  347.3800
5.200000  0.375040  1.534550  355.0880
5.266667  0.377090  1.559621  362.8757
5.333333  0.379140  1.584829  370.7434
5.400000  0.381189  1.610173  378.6912
5.466667  0.383239  1.635654  386.7192
5.533333  0.385289  1.661272  394.8277
5.600000  0.387338  1.687026  403.0168
5.666667  0.389388  1.712917  411.2866
5.733333  0.391438  1.738944  419.6373
5.800000  0.393487  1.765108  428.0690
5.866667  0.395537  1.791409  436.5820
5.933333  0.397587  1.817847  445.1765
6.000000  0.399637  1.844421  453.8525
END FTABLE 24
FTABLE     26
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.330716  0.000000  0.000000
0.066667  0.333866  0.022153  0.302804
0.133333  0.337016  0.044515  0.955708
0.200000  0.340166  0.067088  1.867938
0.266667  0.343316  0.089871  3.000860
0.333333  0.346466  0.112864  4.330222
0.400000  0.349616  0.136066  5.838728
0.466667  0.352765  0.159479  7.513171
0.533333  0.355915  0.183102  9.343029
0.600000  0.359065  0.206934  11.31967
0.666667  0.362215  0.230977  13.43586
0.733333  0.365365  0.255230  15.68544
0.800000  0.368515  0.279692  18.06311
0.866667  0.371665  0.304365  20.56425
0.933333  0.374815  0.329248  23.18481
1.000000  0.377965  0.354340  25.92121
1.066667  0.381115  0.379643  28.77027
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1.133333	0.384264	0.405156	31.72915
1.200000	0.387414	0.430878	34.79532
1.266667	0.390564	0.456811	37.96649
1.333333	0.393714	0.482954	41.24061
1.400000	0.396864	0.509306	44.61580
1.466667	0.400014	0.535869	48.09038
1.533333	0.403164	0.562641	51.66283
1.600000	0.406314	0.589624	55.33175
1.666667	0.409464	0.616817	59.09588
1.733333	0.412614	0.644219	62.95406
1.800000	0.415764	0.671832	66.90524
1.866667	0.418914	0.699654	70.94847
1.933333	0.422064	0.727687	75.08286
2.000000	0.425214	0.755930	79.30763
2.066667	0.428364	0.784382	83.62203
2.133333	0.431514	0.813045	88.02541
2.200000	0.434664	0.841917	92.51716
2.266667	0.437814	0.871000	97.09673
2.333333	0.440964	0.900292	101.7636
2.400000	0.444114	0.929795	106.5173
2.466667	0.447264	0.959508	111.3575
2.533333	0.450414	0.989430	116.2838
2.600000	0.453564	1.019563	121.2957
2.666667	0.456714	1.049905	126.3931
2.733333	0.459864	1.080458	131.5756
2.800000	0.463014	1.111220	136.8430
2.866667	0.466164	1.142193	142.1951
2.933333	0.469314	1.173376	147.6317
3.000000	0.472464	1.204768	153.1526
3.066667	0.475614	1.236371	158.7577
3.133333	0.478764	1.268183	164.4468
3.200000	0.481914	1.300206	170.2198
3.266667	0.485064	1.332439	176.0767
3.333333	0.488214	1.364881	182.0173
3.400000	0.491364	1.397534	188.0417
3.466667	0.494514	1.430396	194.1497
3.533333	0.497664	1.463469	200.3413
3.600000	0.500814	1.496752	206.6166
3.666667	0.503964	1.530244	212.9754
3.733333	0.507114	1.563947	219.4179
3.800000	0.510264	1.597859	225.9441
3.866667	0.513414	1.631982	232.5539
3.933333	0.516564	1.666315	239.2475
4.000000	0.519715	1.700857	246.0248
4.066667	0.522865	1.735610	252.8859
4.133333	0.526015	1.770573	259.8310
4.200000	0.529165	1.805745	266.8600
4.266667	0.532315	1.841128	273.9730
4.333333	0.535465	1.876721	281.1702
4.400000	0.538615	1.912523	288.4516
4.466667	0.541765	1.948536	295.8174
4.533333	0.544915	1.984759	303.2676
4.600000	0.548065	2.021191	310.8023
4.666667	0.551216	2.057834	318.4218
4.733333	0.554366	2.094687	326.1260
4.800000	0.557516	2.131749	333.9152
4.866667	0.560666	2.169022	341.7894
4.933333	0.563816	2.206505	349.7488
5.000000	0.566966	2.244198	357.7936
5.066667	0.570116	2.282100	365.9238
5.133333	0.573266	2.320213	374.1397
5.200000	0.576417	2.358536	382.4414
5.266667	0.579567	2.397069	390.8291
5.333333	0.582717	2.435811	399.3028
5.400000	0.585867	2.474764	407.8629
5.466667	0.589017	2.513927	416.5094
5.533333	0.592167	2.553300	425.2425
5.600000	0.595317	2.592883	434.0623
5.666667	0.598468	2.632675	442.9692
5.733333	0.601618	2.672678	451.9632

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5.800000  0.604768  2.712891  461.0445
5.866667  0.607918  2.753314  470.2133
5.933333  0.611068  2.793947  479.4697
6.000000  0.614218  2.834790  488.8141
END FTABLE 26
FTABLE      1
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.307254  0.000000  0.000000
0.022222  0.308108  0.006837  0.125539
0.044444  0.308962  0.013694  0.397846
0.066667  0.309816  0.020569  0.780605
0.088889  0.310670  0.027463  1.258644
0.111111  0.311524  0.034377  1.822508
0.133333  0.312377  0.041309  2.465454
0.155556  0.313231  0.048260  3.182311
0.177778  0.314085  0.055230  3.968921
0.200000  0.314939  0.062219  4.821832
0.222222  0.315793  0.069227  5.738107
0.244444  0.316647  0.076255  6.715201
0.266667  0.317501  0.083301  7.750880
0.288889  0.318355  0.090366  8.843154
0.311111  0.319208  0.097450  9.990240
0.333333  0.320062  0.104553  11.19052
0.355556  0.320916  0.111675  12.44253
0.377778  0.321770  0.118816  13.74490
0.400000  0.322624  0.125976  15.09641
0.422222  0.323478  0.133155  16.49590
0.444444  0.324332  0.140352  17.94230
0.466667  0.325186  0.147569  19.43461
0.488889  0.326039  0.154805  20.97190
0.511111  0.326893  0.162060  22.55330
0.533333  0.327747  0.169334  24.17798
0.555556  0.328601  0.176626  25.84517
0.577778  0.329455  0.183938  27.55413
0.600000  0.330309  0.191269  29.30417
0.622222  0.331163  0.198619  31.09464
0.644444  0.332017  0.205987  32.92492
0.666667  0.332871  0.213375  34.79440
0.688889  0.333725  0.220782  36.70252
0.711111  0.334578  0.228207  38.64875
0.733333  0.335432  0.235652  40.63257
0.755556  0.336286  0.243115  42.65350
0.777778  0.337140  0.250598  44.71105
0.800000  0.337994  0.258099  46.80478
0.822222  0.338848  0.265620  48.93427
0.844444  0.339702  0.273159  51.09909
0.866667  0.340556  0.280718  53.29885
0.888889  0.341410  0.288295  55.53316
0.911111  0.342264  0.295891  57.80167
0.933333  0.343118  0.303507  60.10402
0.955556  0.343972  0.311141  62.43986
0.977778  0.344825  0.318794  64.80888
1.000000  0.345679  0.326467  67.21076
1.022222  0.346533  0.334158  69.64519
1.044444  0.347387  0.341868  72.11188
1.066667  0.348241  0.349597  74.61054
1.088889  0.349095  0.357345  77.14091
1.111111  0.349949  0.365113  79.70272
1.133333  0.350803  0.372899  82.29572
1.155556  0.351657  0.380704  84.91965
1.177778  0.352511  0.388528  87.57429
1.200000  0.353365  0.396371  90.25939
1.222222  0.354219  0.404233  92.97474
1.244444  0.355073  0.412114  95.72012
1.266667  0.355927  0.420014  98.49532
1.288889  0.356781  0.427933  101.3001
1.311111  0.357635  0.435871  104.1344
1.333333  0.358489  0.443828  106.9978
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1.355556  0.359343  0.451804  109.8903
1.377778  0.360197  0.459799  112.8117
1.400000  0.361051  0.467813  115.7618
1.422222  0.361905  0.475845  118.7404
1.444444  0.362759  0.483897  121.7473
1.466667  0.363613  0.491968  124.7825
1.488889  0.364466  0.500058  127.8456
1.511111  0.365320  0.508166  130.9367
1.533333  0.366174  0.516294  134.0556
1.555556  0.367028  0.524441  137.2020
1.577778  0.367882  0.532607  140.3759
1.600000  0.368736  0.540791  143.5772
1.622222  0.369590  0.548995  146.8056
1.644444  0.370444  0.557217  150.0612
1.666667  0.371298  0.565459  153.3436
1.688889  0.372152  0.573720  156.6530
1.711111  0.373006  0.581999  159.9890
1.733333  0.373860  0.590298  163.3517
1.755556  0.374714  0.598615  166.7409
1.777778  0.375568  0.606952  170.1564
1.800000  0.376422  0.615307  173.5983
1.822222  0.377276  0.623682  177.0663
1.844444  0.378130  0.632075  180.5604
1.866667  0.378984  0.640487  184.0805
1.888889  0.379838  0.648919  187.6265
1.911111  0.380692  0.657369  191.1984
1.933333  0.381546  0.665838  194.7959
1.955556  0.382400  0.674327  198.4191
1.977778  0.383255  0.682834  202.0678
2.000000  0.384109  0.691360  205.7420
END FTABLE  1
FTABLE     10
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.235308  0.000000  0.000000
0.033333  0.236877  0.007870  0.109514
0.066667  0.238445  0.015792  0.346229
0.100000  0.240014  0.023766  0.677768
0.133333  0.241583  0.031793  1.090423
0.166667  0.243152  0.039872  1.575593
0.200000  0.244721  0.048003  2.127125
0.233333  0.246290  0.056186  2.740297
0.266667  0.247859  0.064422  3.411322
0.300000  0.249428  0.072710  4.137066
0.333333  0.250997  0.081051  4.914880
0.366667  0.252566  0.089443  5.742486
0.400000  0.254134  0.097888  6.617898
0.433333  0.255703  0.106386  7.539368
0.466667  0.257272  0.114935  8.505345
0.500000  0.258841  0.123537  9.514438
0.533333  0.260410  0.132191  10.56540
0.566667  0.261979  0.140898  11.65710
0.600000  0.263548  0.149657  12.78850
0.633333  0.265117  0.158468  13.95868
0.666667  0.266686  0.167331  15.16677
0.700000  0.268255  0.176247  16.41199
0.733333  0.269824  0.185215  17.69361
0.766667  0.271393  0.194235  19.01096
0.800000  0.272962  0.203308  20.36342
0.833333  0.274531  0.212432  21.75043
0.866667  0.276100  0.221610  23.17145
0.900000  0.277668  0.230839  24.62598
0.933333  0.279237  0.240121  26.11358
0.966667  0.280806  0.249455  27.63380
1.000000  0.282375  0.258841  29.18625
1.033333  0.283944  0.268280  30.77056
1.066667  0.285513  0.277771  32.38638
1.100000  0.287082  0.287314  34.03338
1.133333  0.288651  0.296910  35.71126
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1.166667  0.290220  0.306558  37.41974
1.200000  0.291789  0.316258  39.15854
1.233333  0.293358  0.326010  40.92742
1.266667  0.294927  0.335815  42.72615
1.300000  0.296496  0.345672  44.55449
1.333333  0.298065  0.355581  46.41225
1.366667  0.299634  0.365543  48.29924
1.400000  0.301203  0.375557  50.21526
1.433333  0.302772  0.385623  52.16016
1.466667  0.304341  0.395742  54.13376
1.500000  0.305910  0.405913  56.13593
1.533333  0.307479  0.416136  58.16651
1.566667  0.309048  0.426411  60.22539
1.600000  0.310617  0.436739  62.31243
1.633333  0.312186  0.447119  64.42752
1.666667  0.313755  0.457551  66.57055
1.700000  0.315324  0.468036  68.74142
1.733333  0.316893  0.478573  70.94003
1.766667  0.318462  0.489162  73.16631
1.800000  0.320031  0.499804  75.42016
1.833333  0.321600  0.510498  77.70151
1.866667  0.323169  0.521244  80.01028
1.900000  0.324738  0.532042  82.34642
1.933333  0.326307  0.542893  84.70986
1.966667  0.327876  0.553796  87.10054
2.000000  0.329445  0.564751  89.51841
2.033333  0.331014  0.575759  91.96342
2.066667  0.332583  0.586819  94.43554
2.100000  0.334152  0.597931  96.93470
2.133333  0.335721  0.609096  99.46089
2.166667  0.337290  0.620313  102.0141
2.200000  0.338859  0.631582  104.5942
2.233333  0.340428  0.642903  107.2013
2.266667  0.341997  0.654277  109.8352
2.300000  0.343566  0.665703  112.4961
2.333333  0.345135  0.677181  115.1838
2.366667  0.346704  0.688712  117.8984
2.400000  0.348274  0.700295  120.6398
2.433333  0.349843  0.711930  123.4080
2.466667  0.351412  0.723618  126.2031
2.500000  0.352981  0.735358  129.0249
2.533333  0.354550  0.747150  131.8736
2.566667  0.356119  0.758994  134.7491
2.600000  0.357688  0.770891  137.6513
2.633333  0.359257  0.782840  140.5804
2.666667  0.360826  0.794842  143.5363
2.700000  0.362395  0.806895  146.5190
2.733333  0.363964  0.819001  149.5285
2.766667  0.365533  0.831160  152.5649
2.800000  0.367102  0.843370  155.6280
2.833333  0.368671  0.855633  158.7181
2.866667  0.370241  0.867948  161.8350
2.900000  0.371810  0.880316  164.9787
2.933333  0.373379  0.892736  168.1494
2.966667  0.374948  0.905208  171.3469
3.000000  0.376517  0.917732  174.5714
END FTABLE 10
FTABLE     25
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.766299  0.000000  0.000000
0.044444  0.769705  0.034133  0.301288
0.088889  0.773112  0.068418  0.953820
0.133333  0.776518  0.102854  1.869579
0.177778  0.779924  0.137442  3.011553
0.222222  0.783330  0.172181  4.356578
0.266667  0.786736  0.207071  5.888099
0.311111  0.790142  0.242113  7.593393
0.355556  0.793548  0.277306  9.462229
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0.400000	0.796954	0.312651	11.48611
0.444444	0.800361	0.348147	13.65783
0.488889	0.803767	0.383794	15.97113
0.533333	0.807173	0.419593	18.42056
0.577778	0.810579	0.455543	21.00126
0.622222	0.813985	0.491644	23.70888
0.666667	0.817391	0.527897	26.53952
0.711111	0.820797	0.564301	29.48962
0.755556	0.824204	0.600857	32.55595
0.800000	0.827610	0.637564	35.73553
0.844444	0.831016	0.674422	39.02562
0.888889	0.834422	0.711432	42.42370
0.933333	0.837828	0.748593	45.92742
0.977778	0.841234	0.785905	49.53461
1.022222	0.844641	0.823369	53.24322
1.066667	0.848047	0.860984	57.05137
1.111111	0.851453	0.898751	60.95727
1.155556	0.854859	0.936669	64.95925
1.200000	0.858265	0.974739	69.05575
1.244444	0.861671	1.012959	73.24529
1.288889	0.865078	1.051332	77.52647
1.333333	0.868484	1.089855	81.89800
1.377778	0.871890	1.128530	86.35861
1.422222	0.875296	1.167357	90.90715
1.466667	0.878702	1.206334	95.54249
1.511111	0.882109	1.245463	100.2636
1.555556	0.885515	1.284744	105.0694
1.600000	0.888921	1.324176	109.9590
1.644444	0.892327	1.363759	114.9316
1.688889	0.895733	1.403494	119.9861
1.733333	0.899140	1.443380	125.1219
1.777778	0.902546	1.483417	130.3381
1.822222	0.905952	1.523606	135.6340
1.866667	0.909358	1.563946	141.0089
1.911111	0.912765	1.604438	146.4621
1.955556	0.916171	1.645081	151.9929
2.000000	0.919577	1.685875	157.6008
2.044444	0.922983	1.726821	163.2851
2.088889	0.926390	1.767918	169.0454
2.133333	0.929796	1.809167	174.8810
2.177778	0.933202	1.850567	180.7914
2.222222	0.936608	1.892118	186.7761
2.266667	0.940015	1.933821	192.8348
2.311111	0.943421	1.975675	198.9668
2.355556	0.946827	2.017681	205.1719
2.400000	0.950233	2.059838	211.4495
2.444444	0.953640	2.102146	217.7993
2.488889	0.957046	2.144605	224.2209
2.533333	0.960452	2.187217	230.7140
2.577778	0.963858	2.229979	237.2781
2.622222	0.967265	2.272893	243.9130
2.666667	0.970671	2.315958	250.6183
2.711111	0.974077	2.359175	257.3938
2.755556	0.977484	2.402543	264.2391
2.800000	0.980890	2.446062	271.1539
2.844444	0.984296	2.489733	278.1380
2.888889	0.987702	2.533555	285.1912
2.933333	0.991109	2.577529	292.3131
2.977778	0.994515	2.621654	299.5036
3.022222	0.997921	2.665930	306.7624
3.066667	1.001328	2.710358	314.0893
3.111111	1.004734	2.754937	321.4841
3.155556	1.008140	2.799667	328.9466
3.200000	1.011547	2.844549	336.4766
3.244444	1.014953	2.889583	344.0739
3.288889	1.018359	2.934767	351.7383
3.333333	1.021766	2.980104	359.4697
3.377778	1.025172	3.025591	367.2679
3.422222	1.028578	3.071230	375.1328
3.466667	1.031985	3.117020	383.0642

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3.511111  1.035391  3.162962  391.0620
3.555556  1.038797  3.209055  399.1260
3.600000  1.042204  3.255299  407.2561
3.644444  1.045610  3.301695  415.4522
3.688889  1.049016  3.348243  423.7142
3.733333  1.052423  3.394941  432.0420
3.777778  1.055829  3.441791  440.4354
3.822222  1.059235  3.488793  448.8944
3.866667  1.062642  3.535945  457.4189
3.911111  1.066048  3.583250  466.0088
3.955556  1.069454  3.630705  474.6639
4.000000  1.072861  3.678312  483.3843
END FTABLE 25
FTABLE     11
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.342700  0.000000  0.000000
0.044444  0.345239  0.015288  0.227257
0.088889  0.347777  0.030688  0.718160
0.133333  0.350316  0.046201  1.405264
0.177778  0.352855  0.061827  2.259970
0.222222  0.355394  0.077566  3.264324
0.266667  0.357933  0.093418  4.405488
0.311111  0.360472  0.109382  5.673620
0.355556  0.363011  0.125460  7.060835
0.400000  0.365549  0.141650  8.560625
0.444444  0.368088  0.157953  10.16750
0.488889  0.370627  0.174369  11.87673
0.533333  0.373166  0.190898  13.68425
0.577778  0.375705  0.207539  15.58644
0.622222  0.378244  0.224293  17.58012
0.666667  0.380783  0.241161  19.66246
0.711111  0.383322  0.258141  21.83090
0.755556  0.385861  0.275234  24.08315
0.800000  0.388399  0.292440  26.41713
0.844444  0.390938  0.309758  28.83095
0.888889  0.393477  0.327190  31.32287
0.933333  0.396016  0.344734  33.89134
0.977778  0.398555  0.362391  36.53489
1.022222  0.401094  0.380161  39.25220
1.066667  0.403633  0.398044  42.04205
1.111111  0.406172  0.416040  44.90330
1.155556  0.408711  0.434148  47.83492
1.200000  0.411250  0.452369  50.83594
1.244444  0.413789  0.470704  53.90546
1.288889  0.416328  0.489151  57.04266
1.333333  0.418867  0.507711  60.24677
1.377778  0.421406  0.526383  63.51707
1.422222  0.423945  0.545169  66.85291
1.466667  0.426484  0.564067  70.25365
1.511111  0.429023  0.583078  73.71873
1.555556  0.431562  0.602203  77.24761
1.600000  0.434101  0.621440  80.83979
1.644444  0.436640  0.640789  84.49481
1.688889  0.439179  0.660252  88.21224
1.733333  0.441718  0.679827  91.99167
1.777778  0.444257  0.699516  95.83273
1.822222  0.446796  0.719317  99.73507
1.866667  0.449335  0.739231  103.6984
1.911111  0.451874  0.759258  107.7223
1.955556  0.454413  0.779397  111.8066
2.000000  0.456952  0.799650  115.9510
2.044444  0.459491  0.820015  120.1553
2.088889  0.462030  0.840494  124.4193
2.133333  0.464569  0.861085  128.7426
2.177778  0.467108  0.881789  133.1252
2.222222  0.469647  0.902605  137.5669
2.266667  0.472186  0.923535  142.0675
2.311111  0.474725  0.944578  146.6268
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2.355556  0.477264  0.965733  151.2447
2.400000  0.479803  0.987001  155.9211
2.444444  0.482342  1.008382  160.6559
2.488889  0.484882  1.029876  165.4489
2.533333  0.487421  1.051483  170.3001
2.577778  0.489960  1.073202  175.2094
2.622222  0.492499  1.095035  180.1766
2.666667  0.495038  1.116980  185.2019
2.711111  0.497577  1.139038  190.2849
2.755556  0.500116  1.161209  195.4258
2.800000  0.502655  1.183493  200.6245
2.844444  0.505194  1.205889  205.8809
2.888889  0.507734  1.228399  211.1951
2.933333  0.510273  1.251021  216.5669
2.977778  0.512812  1.273757  221.9963
3.022222  0.515351  1.296605  227.4834
3.066667  0.517890  1.319566  233.0282
3.111111  0.520429  1.342639  238.6306
3.155556  0.522968  1.365826  244.2906
3.200000  0.525508  1.389125  250.0082
3.244444  0.528047  1.412538  255.7836
3.288889  0.530586  1.436063  261.6165
3.333333  0.533125  1.459701  267.5072
3.377778  0.535664  1.483452  273.4556
3.422222  0.538204  1.507315  279.4618
3.466667  0.540743  1.531292  285.5257
3.511111  0.543282  1.555382  291.6474
3.555556  0.545821  1.579584  297.8270
3.600000  0.548360  1.603899  304.0644
3.644444  0.550900  1.628327  310.3598
3.688889  0.553439  1.652868  316.7132
3.733333  0.555978  1.677521  323.1246
3.777778  0.558517  1.702288  329.5941
3.822222  0.561056  1.727167  336.1217
3.866667  0.563596  1.752160  342.7075
3.911111  0.566135  1.777265  349.3516
3.955556  0.568674  1.802483  356.0540
4.000000  0.571213  1.827814  362.8147
END FTABLE 11
FTABLE     29
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.515152  0.000000  0.000000
0.066667  0.519445  0.034487  0.297037
0.133333  0.523738  0.069259  0.938157
0.200000  0.528031  0.104318  1.834809
0.266667  0.532324  0.139663  2.949374
0.333333  0.536617  0.175295  4.258231
0.400000  0.540910  0.211212  5.744505
0.466667  0.545203  0.247416  7.395281
0.533333  0.549496  0.283906  9.200234
0.600000  0.553789  0.320682  11.15086
0.666667  0.558083  0.357745  13.24001
0.733333  0.562376  0.395093  15.46156
0.800000  0.566669  0.432728  17.81021
0.866667  0.570962  0.470649  20.28134
0.933333  0.575255  0.508856  22.87085
1.000000  0.579548  0.547350  25.57512
1.066667  0.583841  0.586129  28.39089
1.133333  0.588134  0.625195  31.31527
1.200000  0.592427  0.664547  34.34561
1.266667  0.596721  0.704186  37.47956
1.333333  0.601014  0.744110  40.71494
1.400000  0.605307  0.784321  44.04981
1.466667  0.609600  0.824818  47.48237
1.533333  0.613893  0.865601  51.01098
1.600000  0.618186  0.906670  54.63415
1.666667  0.622479  0.948026  58.35051
1.733333  0.626773  0.989667  62.15878
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1.800000  0.631066  1.031595  66.05782
1.866667  0.635359  1.073809  70.04654
1.933333  0.639652  1.116310  74.12397
2.000000  0.643945  1.159096  78.28920
2.066667  0.648238  1.202169  82.54138
2.133333  0.652532  1.245528  86.87975
2.200000  0.656825  1.289173  91.30360
2.266667  0.661118  1.333105  95.81226
2.333333  0.665411  1.377322  100.4051
2.400000  0.669704  1.421826  105.0816
2.466667  0.673997  1.466616  109.8413
2.533333  0.678291  1.511693  114.6836
2.600000  0.682584  1.557055  119.6081
2.666667  0.686877  1.602704  124.6143
2.733333  0.691170  1.648639  129.7021
2.800000  0.695463  1.694860  134.8709
2.866667  0.699757  1.741367  140.1205
2.933333  0.704050  1.788161  145.4506
3.000000  0.708343  1.835240  150.8608
3.066667  0.712636  1.882606  156.3511
3.133333  0.716929  1.930259  161.9212
3.200000  0.721223  1.978197  167.5708
3.266667  0.725516  2.026422  173.2998
3.333333  0.729809  2.074933  179.1080
3.400000  0.734102  2.123730  184.9953
3.466667  0.738396  2.172813  190.9616
3.533333  0.742689  2.222182  197.0067
3.600000  0.746982  2.271838  203.1306
3.666667  0.751275  2.321780  209.3331
3.733333  0.755568  2.372008  215.6142
3.800000  0.759862  2.422522  221.9739
3.866667  0.764155  2.473323  228.4120
3.933333  0.768448  2.524410  234.9286
4.000000  0.772741  2.575783  241.5236
4.066667  0.777035  2.627442  248.1970
4.133333  0.781328  2.679387  254.9488
4.200000  0.785621  2.731619  261.7790
4.266667  0.789914  2.784137  268.6876
4.333333  0.794208  2.836941  275.6747
4.400000  0.798501  2.890031  282.7402
4.466667  0.802794  2.943408  289.8841
4.533333  0.807087  2.997070  297.1066
4.600000  0.811381  3.051019  304.4076
4.666667  0.815674  3.105254  311.7873
4.733333  0.819967  3.159776  319.2456
4.800000  0.824260  3.214583  326.7827
4.866667  0.828554  3.269677  334.3985
4.933333  0.832847  3.325057  342.0932
5.000000  0.837140  3.380723  349.8669
5.066667  0.841434  3.436676  357.7196
5.133333  0.845727  3.492915  365.6514
5.200000  0.850020  3.549439  373.6624
5.266667  0.854313  3.606251  381.7528
5.333333  0.858607  3.663348  389.9225
5.400000  0.862900  3.720732  398.1717
5.466667  0.867193  3.778401  406.5006
5.533333  0.871487  3.836357  414.9091
5.600000  0.875780  3.894600  423.3975
5.666667  0.880073  3.953128  431.9659
5.733333  0.884367  4.011943  440.6143
5.800000  0.888660  4.071044  449.3429
5.866667  0.892953  4.130431  458.1518
5.933333  0.897247  4.190104  467.0411
6.000000  0.901540  4.250063  476.0110
END FTABLE 29
FTABLE     27
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.572773  0.000000  0.000000
```

0.066667	0.576592	0.038312	0.613257
0.133333	0.580411	0.076879	1.938823
0.200000	0.584230	0.115700	3.795380
0.266667	0.588049	0.154776	6.106176
0.333333	0.591868	0.194107	8.823042
0.400000	0.595687	0.233692	11.91152
0.466667	0.599505	0.273532	15.34518
0.533333	0.603324	0.313626	19.10280
0.600000	0.607143	0.353975	23.16684
0.666667	0.610962	0.394578	27.52247
0.733333	0.614781	0.435437	32.15691
0.800000	0.618600	0.476549	37.05907
0.866667	0.622419	0.517917	42.21914
0.933333	0.626238	0.559538	47.62844
1.000000	0.630057	0.601415	53.27919
1.066667	0.633876	0.643546	59.16438
1.133333	0.637695	0.685932	65.27769
1.200000	0.641514	0.728572	71.61337
1.266667	0.645333	0.771467	78.16616
1.333333	0.649152	0.814616	84.93126
1.400000	0.652971	0.858021	91.90425
1.466667	0.656790	0.901679	99.08110
1.533333	0.660609	0.945593	106.4580
1.600000	0.664428	0.989760	114.0316
1.666667	0.668247	1.034183	121.7986
1.733333	0.672066	1.078860	129.7561
1.800000	0.675885	1.123792	137.9012
1.866667	0.679704	1.168978	146.2314
1.933333	0.683523	1.214419	154.7444
2.000000	0.687342	1.260114	163.4379
2.066667	0.691161	1.306064	172.3097
2.133333	0.694980	1.352269	181.3580
2.200000	0.698799	1.398728	190.5810
2.266667	0.702618	1.445442	199.9768
2.333333	0.706437	1.492411	209.5440
2.400000	0.710256	1.539634	219.2810
2.466667	0.714075	1.587112	229.1864
2.533333	0.717894	1.634844	239.2589
2.600000	0.721713	1.682831	249.4973
2.666667	0.725533	1.731072	259.9005
2.733333	0.729352	1.779569	270.4673
2.800000	0.733171	1.828319	281.1966
2.866667	0.736990	1.877325	292.0877
2.933333	0.740809	1.926585	303.1396
3.000000	0.744628	1.976099	314.3513
3.066667	0.748447	2.025868	325.7223
3.133333	0.752266	2.075892	337.2516
3.200000	0.756085	2.126171	348.9387
3.266667	0.759905	2.176704	360.7828
3.333333	0.763724	2.227491	372.7834
3.400000	0.767543	2.278533	384.9399
3.466667	0.771362	2.329830	397.2517
3.533333	0.775181	2.381382	409.7185
3.600000	0.779000	2.433188	422.3397
3.666667	0.782819	2.485248	435.1148
3.733333	0.786639	2.537564	448.0436
3.800000	0.790458	2.590134	461.1255
3.866667	0.794277	2.642958	474.3603
3.933333	0.798096	2.696037	487.7477
4.000000	0.801915	2.749371	501.2874
4.066667	0.805735	2.802959	514.9790
4.133333	0.809554	2.856802	528.8224
4.200000	0.813373	2.910900	542.8173
4.266667	0.817192	2.965252	556.9636
4.333333	0.821011	3.019859	571.2609
4.400000	0.824831	3.074720	585.7092
4.466667	0.828650	3.129836	600.3083
4.533333	0.832469	3.185207	615.0581
4.600000	0.836288	3.240832	629.9584
4.666667	0.840108	3.296712	645.0092

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4.733333  0.843927  3.352846  660.2103
4.800000  0.847746  3.409235  675.5617
4.866667  0.851565  3.465879  691.0633
4.933333  0.855385  3.522777  706.7151
5.000000  0.859204  3.579930  722.5170
5.066667  0.863023  3.637338  738.4690
5.133333  0.866842  3.695000  754.5712
5.200000  0.870662  3.752917  770.8234
5.266667  0.874481  3.811088  787.2257
5.333333  0.878300  3.869514  803.7781
5.400000  0.882120  3.928195  820.4807
5.466667  0.885939  3.987130  837.3335
5.533333  0.889758  4.046320  854.3365
5.600000  0.893578  4.105765  871.4897
5.666667  0.897397  4.165464  888.7933
5.733333  0.901216  4.225418  906.2473
5.800000  0.905035  4.285626  923.8518
5.866667  0.908855  4.346089  941.6069
5.933333  0.912674  4.406807  959.5127
6.000000  0.916494  4.467779  977.5691
END FTABLE 27
FTABLE     31
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.590220  0.000000  0.000000
0.066667  0.592844  0.039435  0.478465
0.133333  0.595467  0.079046  1.514728
0.200000  0.598091  0.118831  2.969012
0.266667  0.600714  0.158791  4.782540
0.333333  0.603337  0.198926  6.918527
0.400000  0.605961  0.239236  9.350680
0.466667  0.608584  0.279721  12.05880
0.533333  0.611208  0.320381  15.02663
0.600000  0.613831  0.361215  18.24069
0.666667  0.616455  0.402225  21.68951
0.733333  0.619078  0.443409  25.36319
0.800000  0.621702  0.484769  29.25304
0.866667  0.624325  0.526303  33.35135
0.933333  0.626948  0.568012  37.65123
1.000000  0.629572  0.609896  42.14647
1.066667  0.632195  0.651955  46.83142
1.133333  0.634819  0.694189  51.70095
1.200000  0.637442  0.736597  56.75032
1.266667  0.640066  0.779181  61.97520
1.333333  0.642689  0.821940  67.37157
1.400000  0.645313  0.864873  72.93571
1.466667  0.647936  0.907981  78.66415
1.533333  0.650559  0.951264  84.55367
1.600000  0.653183  0.994723  90.60125
1.666667  0.655806  1.038356  96.80406
1.733333  0.658430  1.082163  103.1595
1.800000  0.661053  1.126146  109.6650
1.866667  0.663677  1.170304  116.3182
1.933333  0.666300  1.214636  123.1170
2.000000  0.668924  1.259144  130.0593
2.066667  0.671547  1.303826  137.1430
2.133333  0.674171  1.348684  144.3664
2.200000  0.676794  1.393716  151.7276
2.266667  0.679418  1.438923  159.2250
2.333333  0.682041  1.484305  166.8570
2.400000  0.684665  1.529862  174.6220
2.466667  0.687288  1.575593  182.5187
2.533333  0.689912  1.621500  190.5457
2.600000  0.692535  1.667582  198.7017
2.666667  0.695159  1.713838  206.9853
2.733333  0.697782  1.760269  215.3956
2.800000  0.700406  1.806876  223.9312
2.866667  0.703029  1.853657  232.5912
2.933333  0.705653  1.900613  241.3746
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3.000000  0.708276  1.947744  250.2802
3.066667  0.710900  1.995050  259.3073
3.133333  0.713523  2.042530  268.4549
3.200000  0.716147  2.090186  277.7222
3.266667  0.718770  2.138017  287.1084
3.333333  0.721394  2.186022  296.6125
3.400000  0.724017  2.234202  306.2340
3.466667  0.726641  2.282558  315.9721
3.533333  0.729264  2.331088  325.8262
3.600000  0.731888  2.379793  335.7954
3.666667  0.734511  2.428673  345.8793
3.733333  0.737135  2.477728  356.0773
3.800000  0.739758  2.526958  366.3886
3.866667  0.742382  2.576362  376.8129
3.933333  0.745005  2.625942  387.3495
4.000000  0.747629  2.675696  397.9980
4.066667  0.750252  2.725626  408.7579
4.133333  0.752876  2.775730  419.6287
4.200000  0.755499  2.826009  430.6099
4.266667  0.758123  2.876463  441.7011
4.333333  0.760747  2.927092  452.9020
4.400000  0.763370  2.977896  464.2121
4.466667  0.765994  3.028875  475.6311
4.533333  0.768617  3.080029  487.1585
4.600000  0.771241  3.131357  498.7941
4.666667  0.773864  3.182861  510.5375
4.733333  0.776488  3.234539  522.3884
4.800000  0.779111  3.286392  534.3464
4.866667  0.781735  3.338421  546.4114
4.933333  0.784359  3.390624  558.5830
5.000000  0.786982  3.443002  570.8610
5.066667  0.789606  3.495555  583.2451
5.133333  0.792229  3.548282  595.7350
5.200000  0.794853  3.601185  608.3306
5.266667  0.797476  3.654263  621.0316
5.333333  0.800100  3.707515  633.8377
5.400000  0.802723  3.760943  646.7489
5.466667  0.805347  3.814545  659.7649
5.533333  0.807971  3.868322  672.8855
5.600000  0.810594  3.922275  686.1105
5.666667  0.813218  3.976402  699.4398
5.733333  0.815841  4.030704  712.8733
5.800000  0.818465  4.085181  726.4107
5.866667  0.821089  4.139832  740.0519
5.933333  0.823712  4.194659  753.7969
6.000000  0.826336  4.249661  767.6454
END FTABLE 31
FTABLE     32
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.458333  0.000000  0.000000
0.088889  0.461050  0.040861  0.975325
0.177778  0.463766  0.081964  3.084889
0.266667  0.466483  0.123309  6.041438
0.355556  0.469199  0.164895  9.723613
0.444444  0.471916  0.206722  14.05530
0.533333  0.474632  0.248791  18.98206
0.622222  0.477349  0.291101  24.46206
0.711111  0.480066  0.333653  30.46174
0.800000  0.482782  0.376446  36.95325
0.888889  0.485499  0.419481  43.91304
0.977778  0.488215  0.462757  51.32079
1.066667  0.490932  0.506275  59.15876
1.155556  0.493648  0.550034  67.41128
1.244444  0.496365  0.594034  76.06442
1.333333  0.499082  0.638276  85.10565
1.422222  0.501798  0.682760  94.52367
1.511111  0.504515  0.727485  104.3082
1.600000  0.507231  0.772452  114.4500
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1.688889	0.509948	0.817659	124.9404
1.777778	0.512665	0.863109	135.7717
1.866667	0.515381	0.908800	146.9364
1.955556	0.518098	0.954732	158.4281
2.044444	0.520814	1.000906	170.2404
2.133333	0.523531	1.047322	182.3677
2.222222	0.526248	1.093978	194.8045
2.311111	0.528964	1.140877	207.5460
2.400000	0.531681	1.188016	220.5874
2.488889	0.534398	1.235398	233.9245
2.577778	0.537114	1.283021	247.5532
2.666667	0.539831	1.330885	261.4696
2.755556	0.542548	1.378990	275.6703
2.844444	0.545264	1.427338	290.1518
2.933333	0.547981	1.475926	304.9111
3.022222	0.550698	1.524757	319.9451
3.111111	0.553414	1.573828	335.2511
3.200000	0.556131	1.623141	350.8265
3.288889	0.558848	1.672696	366.6687
3.377778	0.561565	1.722492	382.7756
3.466667	0.564281	1.772530	399.1448
3.555556	0.566998	1.822809	415.7744
3.644444	0.569715	1.873329	432.6623
3.733333	0.572431	1.924091	449.8067
3.822222	0.575148	1.975095	467.2059
3.911111	0.577865	2.026340	484.8583
4.000000	0.580582	2.077826	502.7622
4.088889	0.583298	2.129554	520.9162
4.177778	0.586015	2.181524	539.3190
4.266667	0.588732	2.233735	557.9692
4.355556	0.591449	2.286187	576.8655
4.444444	0.594166	2.338881	596.0069
4.533333	0.596882	2.391817	615.3922
4.622222	0.599599	2.444994	635.0203
4.711111	0.602316	2.498412	654.8904
4.800000	0.605033	2.552072	675.0013
4.888889	0.607750	2.605974	695.3524
4.977778	0.610466	2.660117	715.9427
5.066667	0.613183	2.714501	736.7715
5.155556	0.615900	2.769127	757.8380
5.244444	0.618617	2.823994	779.1415
5.333333	0.621334	2.879103	800.6815
5.422222	0.624050	2.934454	822.4573
5.511111	0.626767	2.990046	844.4683
5.600000	0.629484	3.045879	866.7139
5.688889	0.632201	3.101954	889.1938
5.777778	0.634918	3.158270	911.9074
5.866667	0.637635	3.214828	934.8542
5.955556	0.640352	3.271628	958.0339
6.044444	0.643068	3.328668	981.4462
6.133333	0.645785	3.385951	1005.091
6.222222	0.648502	3.443475	1028.967
6.311111	0.651219	3.501240	1053.074
6.400000	0.653936	3.559247	1077.413
6.488889	0.656653	3.617495	1101.983
6.577778	0.659370	3.675985	1126.784
6.666667	0.662087	3.734717	1151.815
6.755556	0.664804	3.793690	1177.077
6.844444	0.667521	3.852904	1202.568
6.933333	0.670238	3.912360	1228.290
7.022222	0.672954	3.972057	1254.242
7.111111	0.675671	4.031996	1280.423
7.200000	0.678388	4.092177	1306.834
7.288889	0.681105	4.152599	1333.475
7.377778	0.683822	4.213262	1360.345
7.466667	0.686539	4.274167	1387.445
7.555556	0.689256	4.335314	1414.774
7.644444	0.691973	4.396702	1442.333
7.733333	0.694690	4.458331	1470.121
7.822222	0.697407	4.520202	1498.138

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7.911111  0.700124  4.582314  1526.385
8.000000  0.702841  4.644669  1554.862
END FTABLE 32
FTABLE     17
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.465014  0.000000  0.000000
0.066667  0.470181  0.031173  0.213525
0.133333  0.475348  0.062691  0.673314
0.200000  0.480515  0.094553  1.314910
0.266667  0.485682  0.126759  2.110831
0.333333  0.490848  0.159310  3.043848
0.400000  0.496015  0.192206  4.101710
0.466667  0.501182  0.225446  5.275098
0.533333  0.506349  0.259030  6.556626
0.600000  0.511516  0.292959  7.940268
0.666667  0.516683  0.327232  9.421007
0.733333  0.521850  0.361850  10.99460
0.800000  0.527017  0.396812  12.65742
0.866667  0.532184  0.432119  14.40632
0.933333  0.537351  0.467770  16.23858
1.000000  0.542518  0.503766  18.15181
1.066667  0.547685  0.540106  20.14389
1.133333  0.552852  0.576790  22.21296
1.200000  0.558019  0.613820  24.35736
1.266667  0.563186  0.651193  26.57563
1.333333  0.568353  0.688911  28.86644
1.400000  0.573520  0.726973  31.22862
1.466667  0.578687  0.765380  33.66110
1.533333  0.583854  0.804132  36.16295
1.600000  0.589021  0.843227  38.73331
1.666667  0.594188  0.882668  41.37142
1.733333  0.599355  0.922452  44.07659
1.800000  0.604522  0.962582  46.84820
1.866667  0.609689  1.003055  49.68569
1.933333  0.614856  1.043873  52.58858
2.000000  0.620023  1.085036  55.55640
2.066667  0.625190  1.126543  58.58877
2.133333  0.630357  1.168395  61.68532
2.200000  0.635524  1.210591  64.84574
2.266667  0.640691  1.253131  68.06974
2.333333  0.645858  1.296016  71.35707
2.400000  0.651025  1.339246  74.70752
2.466667  0.656192  1.382819  78.12090
2.533333  0.661359  1.426738  81.59703
2.600000  0.666526  1.471001  85.13577
2.666667  0.671693  1.515608  88.73701
2.733333  0.676860  1.560560  92.40063
2.800000  0.682027  1.605856  96.12657
2.866667  0.687194  1.651497  99.91475
2.933333  0.692361  1.697482  103.7651
3.000000  0.697528  1.743811  107.6777
3.066667  0.702695  1.790486  111.6523
3.133333  0.707862  1.837504  115.6892
3.200000  0.713029  1.884867  119.7881
3.266667  0.718196  1.932575  123.9492
3.333333  0.723363  1.980627  128.1725
3.400000  0.728530  2.029023  132.4580
3.466667  0.733697  2.077764  136.8058
3.533333  0.738864  2.126849  141.2159
3.600000  0.744031  2.176279  145.6884
3.666667  0.749198  2.226054  150.2234
3.733333  0.754366  2.276172  154.8208
3.800000  0.759533  2.326636  159.4809
3.866667  0.764700  2.377443  164.2037
3.933333  0.769867  2.428596  168.9893
4.000000  0.775034  2.480092  173.8379
4.066667  0.780201  2.531933  178.7494
4.133333  0.785368  2.584119  183.7240
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4.200000  0.790535  2.636649  188.7619
4.266667  0.795702  2.689524  193.8632
4.333333  0.800869  2.742743  199.0279
4.400000  0.806036  2.796306  204.2563
4.466667  0.811203  2.850214  209.5484
4.533333  0.816370  2.904467  214.9044
4.600000  0.821538  2.959064  220.3245
4.666667  0.826705  3.014005  225.8087
4.733333  0.831872  3.069291  231.3572
4.800000  0.837039  3.124921  236.9702
4.866667  0.842206  3.180896  242.6478
4.933333  0.847373  3.237215  248.3902
5.000000  0.852540  3.293879  254.1975
5.066667  0.857707  3.350887  260.0699
5.133333  0.862874  3.408240  266.0076
5.200000  0.868041  3.465937  272.0106
5.266667  0.873209  3.523979  278.0793
5.333333  0.878376  3.582365  284.2136
5.400000  0.883543  3.641096  290.4139
5.466667  0.888710  3.700171  296.6803
5.533333  0.893877  3.759590  303.0129
5.600000  0.899044  3.819354  309.4120
5.666667  0.904211  3.879463  315.8776
5.733333  0.909378  3.939916  322.4100
5.800000  0.914546  4.000713  329.0094
5.866667  0.919713  4.061855  335.6759
5.933333  0.924880  4.123342  342.4097
6.000000  0.930047  4.185173  349.2110
END FTABLE 17
FTABLE      2
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)    (cfs)   (ft/sec)    (Minutes)***
0.000000  0.136915  0.000000  0.000000
0.044444  0.138436  0.006119  0.114703
0.088889  0.139957  0.012305  0.361698
0.133333  0.141479  0.018560  0.706357
0.177778  0.143000  0.024881  1.133918
0.222222  0.144522  0.031271  1.635126
0.266667  0.146043  0.037728  2.203399
0.311111  0.147564  0.044252  2.833731
0.355556  0.149086  0.050845  3.522156
0.400000  0.150607  0.057504  4.265435
0.444444  0.152129  0.064232  5.060873
0.488889  0.153650  0.071027  5.906193
0.533333  0.155172  0.077890  6.799442
0.577778  0.156693  0.084820  7.738937
0.622222  0.158214  0.091818  8.723209
0.666667  0.159736  0.098883  9.750975
0.711111  0.161257  0.106017  10.82110
0.755556  0.162779  0.113217  11.93259
0.800000  0.164300  0.120486  13.08454
0.844444  0.165822  0.127822  14.27617
0.888889  0.167343  0.135226  15.50677
0.933333  0.168864  0.142697  16.77571
0.977778  0.170386  0.150236  18.08242
1.022222  0.171907  0.157842  19.42639
1.066667  0.173429  0.165516  20.80716
1.111111  0.174950  0.173258  22.22433
1.155556  0.176472  0.181067  23.67752
1.200000  0.177993  0.188944  25.16640
1.244444  0.179515  0.196889  26.69067
1.288889  0.181036  0.204901  28.25007
1.333333  0.182558  0.212981  29.84436
1.377778  0.184079  0.221129  31.47332
1.422222  0.185601  0.229344  33.13676
1.466667  0.187122  0.237627  34.83450
1.511111  0.188644  0.245977  36.56640
1.555556  0.190165  0.254395  38.33233
1.600000  0.191687  0.262880  40.13216
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1.644444  0.193208  0.271434  41.96579
1.688889  0.194730  0.280054  43.83313
1.733333  0.196251  0.288743  45.73411
1.777778  0.197773  0.297499  47.66866
1.822222  0.199294  0.306323  49.63672
1.866667  0.200816  0.315214  51.63826
1.911111  0.202337  0.324173  53.67324
1.955556  0.203859  0.333200  55.74162
2.000000  0.205380  0.342294  57.84340
2.044444  0.206902  0.351456  59.97856
2.088889  0.208423  0.360685  62.14710
2.133333  0.209945  0.369982  64.34902
2.177778  0.211466  0.379347  66.58433
2.222222  0.212988  0.388779  68.85304
2.266667  0.214509  0.398279  71.15518
2.311111  0.216031  0.407847  73.49077
2.355556  0.217552  0.417482  75.85983
2.400000  0.219074  0.427185  78.26241
2.444444  0.220595  0.436955  80.69854
2.488889  0.222117  0.446793  83.16826
2.533333  0.223638  0.456699  85.67161
2.577778  0.225160  0.466672  88.20866
2.622222  0.226682  0.476713  90.77944
2.666667  0.228203  0.486821  93.38401
2.711111  0.229725  0.496998  96.02243
2.755556  0.231246  0.507241  98.69477
2.800000  0.232768  0.517553  101.4011
2.844444  0.234289  0.527932  104.1414
2.888889  0.235811  0.538379  106.9159
2.933333  0.237332  0.548893  109.7245
2.977778  0.238854  0.559475  112.5674
3.022222  0.240376  0.570124  115.4446
3.066667  0.241897  0.580841  118.3562
3.111111  0.243419  0.591626  121.3022
3.155556  0.244940  0.602479  124.2828
3.200000  0.246462  0.613399  127.2981
3.244444  0.247984  0.624386  130.3480
3.288889  0.249505  0.635442  133.4328
3.333333  0.251027  0.646565  136.5524
3.377778  0.252548  0.657755  139.7070
3.422222  0.254070  0.669013  142.8967
3.466667  0.255592  0.680339  146.1215
3.511111  0.257113  0.691733  149.3815
3.555556  0.258635  0.703194  152.6768
3.600000  0.260156  0.714722  156.0075
3.644444  0.261678  0.726319  159.3738
3.688889  0.263200  0.737983  162.7756
3.733333  0.264721  0.749714  166.2131
3.777778  0.266243  0.761513  169.6864
3.822222  0.267764  0.773380  173.1955
3.866667  0.269286  0.785315  176.7407
3.911111  0.270808  0.797317  180.3218
3.955556  0.272329  0.809387  183.9392
4.000000  0.273851  0.821524  187.5928
END FTABLE  2
FTABLE      3
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.762948  0.000000  0.000000
0.066667  0.771425  0.051146  0.245510
0.133333  0.779902  0.102857  0.774174
0.200000  0.788380  0.155133  1.511880
0.266667  0.796857  0.207974  2.427028
0.333333  0.805334  0.261380  3.499809
0.400000  0.813812  0.315352  4.716135
0.466667  0.822289  0.369889  6.065293
0.533333  0.830766  0.424990  7.538791
0.600000  0.839244  0.480657  9.129699
0.666667  0.847721  0.536890  10.83225
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0.733333	0.856199	0.593687	12.64156
0.800000	0.864676	0.651049	14.55346
0.866667	0.873153	0.708977	16.56435
0.933333	0.881631	0.767470	18.67108
1.000000	0.890108	0.826528	20.87090
1.066667	0.898585	0.886151	23.16139
1.133333	0.907063	0.946339	25.54040
1.200000	0.915540	1.007093	28.00603
1.266667	0.924018	1.068411	30.55659
1.333333	0.932495	1.130295	33.19056
1.400000	0.940972	1.192744	35.90658
1.466667	0.949450	1.255758	38.70345
1.533333	0.957927	1.319337	41.58007
1.600000	0.966405	1.383482	44.53546
1.666667	0.974882	1.448191	47.56875
1.733333	0.983360	1.513466	50.67914
1.800000	0.991837	1.579306	53.86593
1.866667	1.000314	1.645711	57.12848
1.933333	1.008792	1.712681	60.46620
2.000000	1.017269	1.780216	63.87860
2.066667	1.025747	1.848317	67.36521
2.133333	1.034224	1.916983	70.92562
2.200000	1.042702	1.986214	74.55946
2.266667	1.051179	2.056010	78.26640
2.333333	1.059656	2.126371	82.04617
2.400000	1.068134	2.197297	85.89851
2.466667	1.076611	2.268789	89.82320
2.533333	1.085089	2.340845	93.82004
2.600000	1.093566	2.413467	97.88888
2.666667	1.102044	2.486654	102.0296
2.733333	1.110521	2.560406	106.2420
2.800000	1.118999	2.634724	110.5261
2.866667	1.127476	2.709606	114.8817
2.933333	1.135954	2.785054	119.3089
3.000000	1.144431	2.861067	123.8075
3.066667	1.152909	2.937645	128.3776
3.133333	1.161386	3.014788	133.0191
3.200000	1.169864	3.092496	137.7321
3.266667	1.178341	3.170770	142.5165
3.333333	1.186819	3.249608	147.3724
3.400000	1.195296	3.329012	152.2999
3.466667	1.203774	3.408981	157.2990
3.533333	1.212251	3.489515	162.3697
3.600000	1.220729	3.570615	167.5122
3.666667	1.229206	3.652279	172.7264
3.733333	1.237684	3.734509	178.0126
3.800000	1.246161	3.817304	183.3708
3.866667	1.254639	3.900664	188.8010
3.933333	1.263116	3.984589	194.3035
4.000000	1.271594	4.069079	199.8783
4.066667	1.280071	4.154135	205.5256
4.133333	1.288549	4.239755	211.2454
4.200000	1.297026	4.325941	217.0380
4.266667	1.305504	4.412692	222.9034
4.333333	1.313981	4.500008	228.8418
4.400000	1.322459	4.587890	234.8533
4.466667	1.330937	4.676336	240.9382
4.533333	1.339414	4.765348	247.0965
4.600000	1.347892	4.854925	253.3285
4.666667	1.356369	4.945067	259.6342
4.733333	1.364847	5.035774	266.0139
4.800000	1.373324	5.127046	272.4677
4.866667	1.381802	5.218884	278.9958
4.933333	1.390279	5.311286	285.5984
5.000000	1.398757	5.404254	292.2756
5.066667	1.407235	5.497787	299.0277
5.133333	1.415712	5.591886	305.8548
5.200000	1.424190	5.686549	312.7571
5.266667	1.432667	5.781778	319.7348
5.333333	1.441145	5.877571	326.7881

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5.400000  1.449623  5.973930  333.9172
5.466667  1.458100  6.070854  341.1222
5.533333  1.466578  6.168344  348.4035
5.600000  1.475055  6.266398  355.7611
5.666667  1.483533  6.365018  363.1952
5.733333  1.492011  6.464202  370.7062
5.800000  1.500488  6.563952  378.2941
5.866667  1.508966  6.664268  385.9593
5.933333  1.517443  6.765148  393.7018
6.000000  1.525921  6.866593  401.5219
END FTABLE  3
FTABLE     33
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  1.587810  0.000000  0.000000
0.088889  1.592515  0.141348  0.992869
0.177778  1.597220  0.283114  3.134765
0.266667  1.601925  0.425298  6.128109
0.355556  1.606630  0.567900  9.845379
0.444444  1.611335  0.710921  14.20567
0.533333  1.616041  0.854360  19.15048
0.622222  1.620746  0.998217  24.63444
0.711111  1.625451  1.142493  30.62079
0.800000  1.630156  1.287186  37.07876
0.888889  1.634861  1.432298  43.98209
0.977778  1.639566  1.577828  51.30794
1.066667  1.644271  1.723777  59.03621
1.155556  1.648976  1.870143  67.14901
1.244444  1.653682  2.016928  75.63029
1.333333  1.658387  2.164131  84.46551
1.422222  1.663092  2.311752  93.64148
1.511111  1.667797  2.459792  103.1461
1.600000  1.672502  2.608250  112.9683
1.688889  1.677207  2.757126  123.0978
1.777778  1.681912  2.906420  133.5253
1.866667  1.686618  3.056132  144.2417
1.955556  1.691323  3.206263  155.2391
2.044444  1.696028  3.356812  166.5098
2.133333  1.700733  3.507779  178.0465
2.222222  1.705438  3.659164  189.8427
2.311111  1.710143  3.810968  201.8920
2.400000  1.714849  3.963190  214.1886
2.488889  1.719554  4.115830  226.7268
2.577778  1.724259  4.268888  239.5014
2.666667  1.728964  4.422365  252.5074
2.755556  1.733669  4.576260  265.7402
2.844444  1.738375  4.730573  279.1953
2.933333  1.743080  4.885304  292.8685
3.022222  1.747785  5.040454  306.7557
3.111111  1.752490  5.196021  320.8532
3.200000  1.757195  5.352007  335.1574
3.288889  1.761901  5.508412  349.6647
3.377778  1.766606  5.665234  364.3721
3.466667  1.771311  5.822475  379.2762
3.555556  1.776016  5.980134  394.3742
3.644444  1.780721  6.138211  409.6632
3.733333  1.785427  6.296707  425.1404
3.822222  1.790132  6.455620  440.8034
3.911111  1.794837  6.614952  456.6495
4.000000  1.799542  6.774702  472.6765
4.088889  1.804247  6.934871  488.8821
4.177778  1.808953  7.095458  505.2640
4.266667  1.813658  7.256462  521.8202
4.355556  1.818363  7.417886  538.5487
4.444444  1.823068  7.579727  555.4476
4.533333  1.827774  7.741987  572.5150
4.622222  1.832479  7.904665  589.7492
4.711111  1.837184  8.067761  607.1484
4.800000  1.841889  8.231275  624.7111
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4.888889  1.846595  8.395208  642.4357
4.977778  1.851300  8.559559  660.3206
5.066667  1.856005  8.724328  678.3645
5.155556  1.860710  8.889515  696.5659
5.244444  1.865416  9.055121  714.9234
5.333333  1.870121  9.221145  733.4359
5.422222  1.874826  9.387587  752.1020
5.511111  1.879532  9.554447  770.9205
5.600000  1.884237  9.721726  789.8904
5.688889  1.888942  9.889422  809.0104
5.777778  1.893647  10.05754  828.2796
5.866667  1.898353  10.22607  847.6968
5.955556  1.903058  10.39502  867.2612
6.044444  1.907763  10.56439  886.9716
6.133333  1.912469  10.73418  906.8273
6.222222  1.917174  10.90439  926.8273
6.311111  1.921879  11.07501  946.9708
6.400000  1.926584  11.24605  967.2568
6.488889  1.931290  11.41752  987.6847
6.577778  1.935995  11.58939  1008.254
6.666667  1.940700  11.76169  1028.963
6.755556  1.945406  11.93441  1049.812
6.844444  1.950111  12.10754  1070.799
6.933333  1.954816  12.28109  1091.925
7.022222  1.959522  12.45506  1113.189
7.111111  1.964227  12.62945  1134.589
7.200000  1.968932  12.80426  1156.126
7.288889  1.973638  12.97949  1177.798
7.377778  1.978343  13.15513  1199.606
7.466667  1.983048  13.33119  1221.548
7.555556  1.987754  13.50767  1243.624
7.644444  1.992459  13.68457  1265.834
7.733333  1.997164  13.86189  1288.177
7.822222  2.001870  14.03962  1310.653
7.911111  2.006575  14.21777  1333.260
8.000000  2.011280  14.39635  1356.000
END FTABLE 33
FTABLE     12
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.179408  0.000000  0.000000
0.088889  0.182598  0.016089  0.550192
0.177778  0.185788  0.032462  1.728692
0.266667  0.188978  0.049118  3.365324
0.355556  0.192168  0.066058  5.387575
0.444444  0.195357  0.083281  7.750552
0.533333  0.198547  0.100788  10.42294
0.622222  0.201738  0.118578  13.38147
0.711111  0.204928  0.136652  16.60818
0.800000  0.208118  0.155010  20.08885
0.888889  0.211308  0.173651  23.81198
0.977778  0.214498  0.192576  27.76818
1.066667  0.217688  0.211784  31.94969
1.155556  0.220878  0.231276  36.35003
1.244444  0.224068  0.251051  40.96380
1.333333  0.227258  0.271110  45.78644
1.422222  0.230448  0.291453  50.81413
1.511111  0.233639  0.312079  56.04363
1.600000  0.236829  0.332988  61.47222
1.688889  0.240019  0.354182  67.09761
1.777778  0.243209  0.375659  72.91789
1.866667  0.246399  0.397419  78.93144
1.955556  0.249590  0.419463  85.13696
2.044444  0.252780  0.441790  91.53337
2.133333  0.255970  0.464402  98.11979
2.222222  0.259161  0.487296  104.8955
2.311111  0.262351  0.510475  111.8601
2.400000  0.265541  0.533936  119.0131
2.488889  0.268732  0.557682  126.3543
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2.577778  0.271922  0.581711  133.8836
2.666667  0.275112  0.606024  141.6009
2.755556  0.278303  0.630620  149.5063
2.844444  0.281493  0.655500  157.6000
2.933333  0.284684  0.680663  165.8821
3.022222  0.287874  0.706110  174.3529
3.111111  0.291064  0.731841  183.0129
3.200000  0.294255  0.757855  191.8623
3.288889  0.297445  0.784153  200.9017
3.377778  0.300636  0.810734  210.1315
3.466667  0.303826  0.837599  219.5523
3.555556  0.307017  0.864748  229.1646
3.644444  0.310208  0.892180  238.9691
3.733333  0.313398  0.919896  248.9663
3.822222  0.316589  0.947895  259.1569
3.911111  0.319779  0.976178  269.5416
4.000000  0.322970  1.004745  280.1212
4.088889  0.326161  1.033595  290.8963
4.177778  0.329351  1.062729  301.8677
4.266667  0.332542  1.092146  313.0362
4.355556  0.335733  1.121847  324.4025
4.444444  0.338923  1.151832  335.9674
4.533333  0.342114  1.182100  347.7318
4.622222  0.345305  1.212652  359.6965
4.711111  0.348495  1.243488  371.8623
4.800000  0.351686  1.274607  384.2301
4.888889  0.354877  1.306010  396.8007
4.977778  0.358068  1.337696  409.5750
5.066667  0.361259  1.369666  422.5538
5.155556  0.364449  1.401920  435.7380
5.244444  0.367640  1.434457  449.1286
5.333333  0.370831  1.467278  462.7264
5.422222  0.374022  1.500383  476.5323
5.511111  0.377213  1.533771  490.5473
5.600000  0.380404  1.567443  504.7722
5.688889  0.383595  1.601398  519.2079
5.777778  0.386786  1.635637  533.8554
5.866667  0.389977  1.670160  548.7155
5.955556  0.393168  1.704967  563.7893
6.044444  0.396359  1.740057  579.0776
6.133333  0.399550  1.775430  594.5814
6.222222  0.402741  1.811088  610.3016
6.311111  0.405932  1.847029  626.2392
6.400000  0.409123  1.883253  642.3950
6.488889  0.412314  1.919762  658.7700
6.577778  0.415505  1.956554  675.3652
6.666667  0.418696  1.993629  692.1815
6.755556  0.421887  2.030988  709.2199
6.844444  0.425078  2.068631  726.4812
6.933333  0.428269  2.106558  743.9665
7.022222  0.431460  2.144768  761.6767
7.111111  0.434652  2.183262  779.6127
7.200000  0.437843  2.222039  797.7755
7.288889  0.441034  2.261101  816.1660
7.377778  0.444225  2.300445  834.7852
7.466667  0.447416  2.340074  853.6340
7.555556  0.450608  2.379986  872.7134
7.644444  0.453799  2.420182  892.0243
7.733333  0.456990  2.460661  911.5677
7.822222  0.460182  2.501425  931.3445
7.911111  0.463373  2.542472  951.3557
8.000000  0.466564  2.583802  971.6023
END FTABLE 12
FTABLE     34
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.782369  0.000000  0.000000
0.111111  0.784543  0.087051  2.380343
0.222222  0.786717  0.174343  7.517951
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0.333333	0.788892	0.261877	14.70155
0.444444	0.791066	0.349652	23.62688
0.555556	0.793240	0.437669	34.10112
0.666667	0.795414	0.525928	45.98494
0.777778	0.797588	0.614428	59.17028
0.888889	0.799762	0.703170	73.56955
1.000000	0.801937	0.792153	89.10950
1.111111	0.804111	0.881378	105.7275
1.222222	0.806285	0.970844	123.3692
1.333333	0.808459	1.060552	141.9865
1.444444	0.810633	1.150502	161.5367
1.555556	0.812808	1.240693	181.9815
1.666667	0.814982	1.331126	203.2861
1.777778	0.817156	1.421800	225.4188
1.888889	0.819330	1.512716	248.3508
2.000000	0.821505	1.603873	272.0554
2.111111	0.823679	1.695273	296.5079
2.222222	0.825853	1.786913	321.6857
2.333333	0.828027	1.878795	347.5676
2.444444	0.830202	1.970919	374.1338
2.555556	0.832376	2.063285	401.3659
2.666667	0.834550	2.155892	429.2466
2.777778	0.836724	2.248740	457.7597
2.888889	0.838899	2.341830	486.8901
3.000000	0.841073	2.435162	516.6233
3.111111	0.843247	2.528735	546.9459
3.222222	0.845421	2.622550	577.8449
3.333333	0.847596	2.716607	609.3085
3.444444	0.849770	2.810905	641.3250
3.555556	0.851944	2.905445	673.8837
3.666667	0.854119	3.000226	706.9743
3.777778	0.856293	3.095249	740.5868
3.888889	0.858467	3.190513	774.7121
4.000000	0.860642	3.286019	809.3413
4.111111	0.862816	3.381767	844.4658
4.222222	0.864990	3.477756	880.0777
4.333333	0.867165	3.573987	916.1692
4.444444	0.869339	3.670459	952.7331
4.555556	0.871513	3.767174	989.7621
4.666667	0.873688	3.864129	1027.250
4.777778	0.875862	3.961326	1065.190
4.888889	0.878036	4.058765	1103.575
5.000000	0.880211	4.156446	1142.401
5.111111	0.882385	4.254368	1181.661
5.222222	0.884559	4.352531	1221.351
5.333333	0.886734	4.450936	1261.464
5.444444	0.888908	4.549583	1301.996
5.555556	0.891083	4.648471	1342.942
5.666667	0.893257	4.747601	1384.297
5.777778	0.895431	4.846973	1426.057
5.888889	0.897606	4.946586	1468.219
6.000000	0.899780	5.046441	1510.776
6.111111	0.901955	5.146537	1553.727
6.222222	0.904129	5.246875	1597.066
6.333333	0.906304	5.347455	1640.791
6.444444	0.908478	5.448276	1684.897
6.555556	0.910652	5.549339	1729.382
6.666667	0.912827	5.650643	1774.242
6.777778	0.915001	5.752189	1819.473
6.888889	0.917176	5.853977	1865.074
7.000000	0.919350	5.956006	1911.040
7.111111	0.921525	6.058277	1957.370
7.222222	0.923699	6.160789	2004.060
7.333333	0.925874	6.263544	2051.108
7.444444	0.928048	6.366539	2098.511
7.555556	0.930223	6.469776	2146.267
7.666667	0.932397	6.573255	2194.373
7.777778	0.934572	6.676976	2242.827
7.888889	0.936746	6.780938	2291.627
8.000000	0.938921	6.885142	2340.771

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8.111111  0.941095  6.989587  2390.257
8.222222  0.943270  7.094274  2440.082
8.333333  0.945444  7.199202  2490.245
8.444444  0.947619  7.304372  2540.744
8.555556  0.949793  7.409784  2591.577
8.666667  0.951968  7.515438  2642.742
8.777778  0.954142  7.621333  2694.238
8.888889  0.956317  7.727469  2746.063
9.000000  0.958491  7.833847  2798.215
9.111111  0.960666  7.940467  2850.693
9.222222  0.962840  8.047329  2903.496
9.333333  0.965015  8.154432  2956.621
9.444444  0.967190  8.261777  3010.068
9.555556  0.969364  8.369363  3063.835
9.666667  0.971539  8.477191  3117.921
9.777778  0.973713  8.585260  3172.325
9.888889  0.975888  8.693571  3227.045
10.00000  0.978062  8.802124  3282.080
END FTABLE 34
FTABLE     30
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.174242  0.000000  0.000000
0.088889  0.175792  0.015557  1.420554
0.177778  0.177342  0.031252  4.485199
0.266667  0.178892  0.047085  8.769328
0.355556  0.180442  0.063055  14.09239
0.444444  0.181992  0.079163  20.34103
0.533333  0.183542  0.095409  27.43431
0.622222  0.185092  0.111793  35.31037
0.711111  0.186642  0.128314  43.91981
0.800000  0.188192  0.144974  53.22203
0.888889  0.189742  0.161771  63.18294
0.977778  0.191292  0.178706  73.77343
1.066667  0.192843  0.195778  84.96837
1.155556  0.194393  0.212989  96.74583
1.244444  0.195943  0.230337  109.0865
1.333333  0.197493  0.247823  121.9732
1.422222  0.199043  0.265447  135.3908
1.511111  0.200593  0.283209  149.3257
1.600000  0.202144  0.301108  163.7654
1.688889  0.203694  0.319145  178.6991
1.777778  0.205244  0.337320  194.1166
1.866667  0.206795  0.355633  210.0089
1.955556  0.208345  0.374084  226.3678
2.044444  0.209895  0.392672  243.1856
2.133333  0.211446  0.411399  260.4556
2.222222  0.212996  0.430263  278.1715
2.311111  0.214546  0.449264  296.3275
2.400000  0.216097  0.468404  314.9183
2.488889  0.217647  0.487682  333.9392
2.577778  0.219198  0.507097  353.3856
2.666667  0.220748  0.526650  373.2536
2.755556  0.222298  0.546341  393.5394
2.844444  0.223849  0.566170  414.2396
2.933333  0.225400  0.586136  435.3510
3.022222  0.226950  0.606241  456.8708
3.111111  0.228501  0.626483  478.7963
3.200000  0.230051  0.646863  501.1250
3.288889  0.231602  0.667381  523.8547
3.377778  0.233152  0.688037  546.9835
3.466667  0.234703  0.708830  570.5094
3.555556  0.236254  0.729762  594.4307
3.644444  0.237804  0.750831  618.7459
3.733333  0.239355  0.772038  643.4536
3.822222  0.240906  0.793383  668.5524
3.911111  0.242457  0.814866  694.0413
4.000000  0.244007  0.836486  719.9192
4.088889  0.245558  0.858245  746.1852
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4.177778  0.247109  0.880141  772.8383
4.266667  0.248660  0.902175  799.8780
4.355556  0.250210  0.924347  827.3035
4.444444  0.251761  0.946657  855.1143
4.533333  0.253312  0.969105  883.3099
4.622222  0.254863  0.991691  911.8899
4.711111  0.256414  1.014414  940.8539
4.800000  0.257965  1.037275  970.2016
4.888889  0.259516  1.060274  999.9329
4.977778  0.261067  1.083411  1030.048
5.066667  0.262618  1.106686  1060.545
5.155556  0.264169  1.130099  1091.427
5.244444  0.265720  1.153650  1122.691
5.333333  0.267271  1.177338  1154.338
5.422222  0.268822  1.201164  1186.369
5.511111  0.270373  1.225129  1218.784
5.600000  0.271924  1.249231  1251.582
5.688889  0.273475  1.273471  1284.764
5.777778  0.275026  1.297849  1318.330
5.866667  0.276577  1.322364  1352.280
5.955556  0.278129  1.347018  1386.615
6.044444  0.279680  1.371809  1421.335
6.133333  0.281231  1.396739  1456.440
6.222222  0.282782  1.421806  1491.931
6.311111  0.284334  1.447011  1527.809
6.400000  0.285885  1.472354  1564.073
6.488889  0.287436  1.497835  1600.724
6.577778  0.288987  1.523454  1637.762
6.666667  0.290539  1.549211  1675.189
6.755556  0.292090  1.575105  1713.004
6.844444  0.293641  1.601138  1751.209
6.933333  0.295193  1.627308  1789.803
7.022222  0.296744  1.653616  1828.787
7.111111  0.298296  1.680063  1868.163
7.200000  0.299847  1.706647  1907.930
7.288889  0.301399  1.733369  1948.089
7.377778  0.302950  1.760229  1988.641
7.466667  0.304502  1.787227  2029.587
7.555556  0.306053  1.814362  2070.927
7.644444  0.307605  1.841636  2112.662
7.733333  0.309156  1.869048  2154.792
7.822222  0.310708  1.896597  2197.319
7.911111  0.312259  1.924285  2240.242
8.000000  0.313811  1.952110  2283.564
END FTABLE 30
FTABLE     28
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.036478  0.000000  0.000000
0.088889  0.036942  0.003263  0.850300
0.177778  0.037406  0.006568  2.678893
0.266667  0.037870  0.009913  5.227429
0.355556  0.038334  0.013300  8.385652
0.444444  0.038799  0.016728  12.08458
0.533333  0.039263  0.020198  16.27534
0.622222  0.039727  0.023708  20.92094
0.711111  0.040191  0.027260  25.99221
0.800000  0.040655  0.030853  31.46552
0.888889  0.041119  0.034488  37.32130
0.977778  0.041583  0.038163  43.54316
1.066667  0.042047  0.041880  50.11713
1.155556  0.042512  0.045638  57.03128
1.244444  0.042976  0.049438  64.27528
1.333333  0.043440  0.053279  71.84018
1.422222  0.043904  0.057161  79.71813
1.511111  0.044369  0.061084  87.90229
1.600000  0.044833  0.065048  96.38662
1.688889  0.045297  0.069054  105.1658
1.777778  0.045762  0.073101  114.2352
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1.866667	0.046226	0.077190	123.5906
1.955556	0.046690	0.081319	133.2283
2.044444	0.047155	0.085490	143.1452
2.133333	0.047619	0.089702	153.3382
2.222222	0.048084	0.093956	163.8050
2.311111	0.048548	0.098250	174.5431
2.400000	0.049013	0.102586	185.5507
2.488889	0.049477	0.106964	196.8260
2.577778	0.049942	0.111382	208.3675
2.666667	0.050406	0.115842	220.1738
2.755556	0.050871	0.120344	232.2438
2.844444	0.051335	0.124886	244.5765
2.933333	0.051800	0.129470	257.1710
3.022222	0.052265	0.134095	270.0267
3.111111	0.052729	0.138761	283.1428
3.200000	0.053194	0.143469	296.5189
3.288889	0.053659	0.148218	310.1547
3.377778	0.054123	0.153008	324.0499
3.466667	0.054588	0.157840	338.2042
3.555556	0.055053	0.162713	352.6175
3.644444	0.055517	0.167627	367.2897
3.733333	0.055982	0.172583	382.2209
3.822222	0.056447	0.177579	397.4112
3.911111	0.056912	0.182618	412.8607
4.000000	0.057377	0.187697	428.5695
4.088889	0.057841	0.192818	444.5379
4.177778	0.058306	0.197980	460.7661
4.266667	0.058771	0.203183	477.2546
4.355556	0.059236	0.208428	494.0037
4.444444	0.059701	0.213714	511.0137
4.533333	0.060166	0.219042	528.2851
4.622222	0.060631	0.224410	545.8183
4.711111	0.061096	0.229821	563.6139
4.800000	0.061561	0.235272	581.6724
4.888889	0.062026	0.240765	599.9943
4.977778	0.062491	0.246299	618.5803
5.066667	0.062956	0.251874	637.4308
5.155556	0.063421	0.257491	656.5465
5.244444	0.063886	0.263149	675.9281
5.333333	0.064351	0.268848	695.5762
5.422222	0.064816	0.274589	715.4915
5.511111	0.065282	0.280371	735.6747
5.600000	0.065747	0.286195	756.1265
5.688889	0.066212	0.292060	776.8475
5.777778	0.066677	0.297966	797.8386
5.866667	0.067142	0.303913	819.1005
5.955556	0.067608	0.309902	840.6340
6.044444	0.068073	0.315932	862.4397
6.133333	0.068538	0.322004	884.5185
6.222222	0.069003	0.328117	906.8713
6.311111	0.069469	0.334271	929.4987
6.400000	0.069934	0.340467	952.4016
6.488889	0.070399	0.346704	975.5808
6.577778	0.070865	0.352982	999.0372
6.666667	0.071330	0.359302	1022.772
6.755556	0.071796	0.365663	1046.785
6.844444	0.072261	0.372066	1071.077
6.933333	0.072727	0.378510	1095.651
7.022222	0.073192	0.384995	1120.505
7.111111	0.073657	0.391522	1145.642
7.200000	0.074123	0.398090	1171.062
7.288889	0.074589	0.404699	1196.766
7.377778	0.075054	0.411350	1222.755
7.466667	0.075520	0.418042	1249.030
7.555556	0.075985	0.424776	1275.591
7.644444	0.076451	0.431551	1302.440
7.733333	0.076916	0.438367	1329.577
7.822222	0.077382	0.445225	1357.003
7.911111	0.077848	0.452124	1384.720
8.000000	0.078313	0.459064	1412.727

END FTABLE 28
FTABLE 13
91 4

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.233494	0.000000	0.000000		
0.088889	0.236459	0.020887	0.614766		
0.177778	0.239425	0.042037	1.936836		
0.266667	0.242390	0.063451	3.779425		
0.355556	0.245356	0.085129	6.062817		
0.444444	0.248321	0.107070	8.737138		
0.533333	0.251287	0.129275	11.76705		
0.622222	0.254252	0.151743	15.12581		
0.711111	0.257218	0.174475	18.79234		
0.800000	0.260183	0.197471	22.74953		
0.888889	0.263149	0.220730	26.98326		
0.977778	0.266114	0.244253	31.48165		
1.066667	0.269080	0.268039	36.23463		
1.155556	0.272045	0.292089	41.23355		
1.244444	0.275011	0.316403	46.47095		
1.333333	0.277976	0.340980	51.94036		
1.422222	0.280942	0.365821	57.63611		
1.511111	0.283907	0.390925	63.55325		
1.600000	0.286873	0.416293	69.68741		
1.688889	0.289838	0.441925	76.03476		
1.777778	0.292804	0.467820	82.59190		
1.866667	0.295770	0.493979	89.35584		
1.955556	0.298735	0.520401	96.32392		
2.044444	0.301701	0.547087	103.4938		
2.133333	0.304666	0.574037	110.8633		
2.222222	0.307632	0.601250	118.4308		
2.311111	0.310598	0.628727	126.1945		
2.400000	0.313563	0.656467	134.1530		
2.488889	0.316529	0.684472	142.3050		
2.577778	0.319495	0.712739	150.6495		
2.666667	0.322460	0.741271	159.1854		
2.755556	0.325426	0.770066	167.9120		
2.844444	0.328392	0.799124	176.8285		
2.933333	0.331358	0.828446	185.9343		
3.022222	0.334323	0.858032	195.2289		
3.111111	0.337289	0.887882	204.7119		
3.200000	0.340255	0.917995	214.3828		
3.288889	0.343221	0.948371	224.2415		
3.377778	0.346186	0.979012	234.2877		
3.466667	0.349152	1.009916	244.5212		
3.555556	0.352118	1.041083	254.9420		
3.644444	0.355084	1.072514	265.5500		
3.733333	0.358050	1.104209	276.3453		
3.822222	0.361015	1.136168	287.3278		
3.911111	0.363981	1.168390	298.4978		
4.000000	0.366947	1.200875	309.8552		
4.088889	0.369913	1.233625	321.4003		
4.177778	0.372879	1.266638	333.1334		
4.266667	0.375845	1.299914	345.0545		
4.355556	0.378811	1.333455	357.1641		
4.444444	0.381776	1.367258	369.4623		
4.533333	0.384742	1.401326	381.9495		
4.622222	0.387708	1.435657	394.6260		
4.711111	0.390674	1.470252	407.4922		
4.800000	0.393640	1.505110	420.5485		
4.888889	0.396606	1.540232	433.7952		
4.977778	0.399572	1.575618	447.2328		
5.066667	0.402538	1.611267	460.8617		
5.155556	0.405504	1.647180	474.6824		
5.244444	0.408470	1.683357	488.6952		
5.333333	0.411436	1.719797	502.9008		
5.422222	0.414402	1.756501	517.2995		
5.511111	0.417368	1.793469	531.8919		
5.600000	0.420334	1.830700	546.6785		
5.688889	0.423300	1.868195	561.6598		

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5.777778  0.426266  1.905953  576.8364
5.866667  0.429232  1.943975  592.2087
5.955556  0.432198  1.982261  607.7773
6.044444  0.435164  2.020811  623.5429
6.133333  0.438130  2.059624  639.5059
6.222222  0.441096  2.098700  655.6668
6.311111  0.444063  2.138041  672.0264
6.400000  0.447029  2.177645  688.5852
6.488889  0.449995  2.217513  705.3438
6.577778  0.452961  2.257644  722.3027
6.666667  0.455927  2.298039  739.4626
6.755556  0.458893  2.338698  756.8241
6.844444  0.461859  2.379620  774.3877
6.933333  0.464826  2.420806  792.1542
7.022222  0.467792  2.462256  810.1241
7.111111  0.470758  2.503969  828.2981
7.200000  0.473724  2.545946  846.6767
7.288889  0.476690  2.588187  865.2606
7.377778  0.479657  2.630691  884.0505
7.466667  0.482623  2.673459  903.0470
7.555556  0.485589  2.716490  922.2507
7.644444  0.488555  2.759786  941.6623
7.733333  0.491522  2.803345  961.2823
7.822222  0.494488  2.847167  981.1116
7.911111  0.497454  2.891254  1001.151
8.000000  0.500420  2.935604  1021.400
END FTABLE 13
FTABLE     21
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.310468  0.000000  0.000000
0.088889  0.315068  0.027802  0.533825
0.177778  0.319668  0.056012  1.679888
0.266667  0.324268  0.084632  3.274701
0.355556  0.328868  0.113660  5.248482
0.444444  0.333468  0.143097  7.557734
0.533333  0.338068  0.172943  10.17182
0.622222  0.342668  0.203198  13.06771
0.711111  0.347268  0.233862  16.22741
0.800000  0.351868  0.264934  19.63646
0.888889  0.356468  0.296416  23.28301
0.977778  0.361068  0.328306  27.15722
1.066667  0.365668  0.360606  31.25082
1.155556  0.370268  0.393314  35.55680
1.244444  0.374868  0.426431  40.06917
1.333333  0.379468  0.459957  44.78282
1.422222  0.384068  0.493892  49.69331
1.511111  0.388668  0.528236  54.79683
1.600000  0.393268  0.562988  60.09008
1.688889  0.397868  0.598150  65.57019
1.777778  0.402468  0.633721  71.23468
1.866667  0.407068  0.669700  77.08139
1.955556  0.411668  0.706088  83.10844
2.044444  0.416268  0.742885  89.31423
2.133333  0.420868  0.780091  95.69737
2.222222  0.425468  0.817706  102.2567
2.311111  0.430069  0.855730  108.9911
2.400000  0.434669  0.894163  115.8998
2.488889  0.439269  0.933005  122.9820
2.577778  0.443869  0.972255  130.2372
2.666667  0.448469  1.011915  137.6648
2.755556  0.453069  1.051983  145.2645
2.844444  0.457670  1.092460  153.0360
2.933333  0.462270  1.133347  160.9791
3.022222  0.466870  1.174642  169.0937
3.111111  0.471470  1.216346  177.3796
3.200000  0.476071  1.258459  185.8369
3.288889  0.480671  1.300981  194.4656
3.377778  0.485271  1.343911  203.2659
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3.466667  0.489871  1.387251  212.2378
3.555556  0.494472  1.431000  221.3817
3.644444  0.499072  1.475157  230.6976
3.733333  0.503672  1.519724  240.1860
3.822222  0.508273  1.564699  249.8470
3.911111  0.512873  1.610083  259.6811
4.000000  0.517473  1.655876  269.6886
4.088889  0.522074  1.702078  279.8698
4.177778  0.526674  1.748689  290.2253
4.266667  0.531274  1.795709  300.7554
4.355556  0.535875  1.843138  311.4607
4.444444  0.540475  1.890976  322.3415
4.533333  0.545076  1.939223  333.3984
4.622222  0.549676  1.987878  344.6319
4.711111  0.554276  2.036943  356.0425
4.800000  0.558877  2.086416  367.6308
4.888889  0.563477  2.136299  379.3973
4.977778  0.568078  2.186590  391.3426
5.066667  0.572678  2.237290  403.4672
5.155556  0.577279  2.288399  415.7718
5.244444  0.581879  2.339918  428.2570
5.333333  0.586480  2.391845  440.9233
5.422222  0.591080  2.444181  453.7714
5.511111  0.595681  2.496925  466.8020
5.600000  0.600281  2.550079  480.0155
5.688889  0.604882  2.603642  493.4128
5.777778  0.609482  2.657614  506.9943
5.866667  0.614083  2.711994  520.7608
5.955556  0.618683  2.766784  534.7130
6.044444  0.623284  2.821983  548.8515
6.133333  0.627884  2.877590  563.1769
6.222222  0.632485  2.933607  577.6900
6.311111  0.637086  2.990032  592.3914
6.400000  0.641686  3.046866  607.2817
6.488889  0.646287  3.104109  622.3618
6.577778  0.650888  3.161762  637.6322
6.666667  0.655488  3.219823  653.0936
6.755556  0.660089  3.278293  668.7468
6.844444  0.664689  3.337172  684.5925
6.933333  0.669290  3.396460  700.6313
7.022222  0.673891  3.456157  716.8639
7.111111  0.678492  3.516263  733.2911
7.200000  0.683092  3.576778  749.9135
7.288889  0.687693  3.637701  766.7319
7.377778  0.692294  3.699034  783.7469
7.466667  0.696894  3.760776  800.9593
7.555556  0.701495  3.822926  818.3698
7.644444  0.706096  3.885486  835.9791
7.733333  0.710697  3.948455  853.7878
7.822222  0.715298  4.011832  871.7969
7.911111  0.719898  4.075619  890.0068
8.000000  0.724499  4.139814  908.4184
END FTABLE 21
FTABLE     35
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.861341  0.000000  0.000000
0.111111  0.863734  0.095837  1.506857
0.222222  0.866127  0.191941  4.759178
0.333333  0.868520  0.288310  9.306695
0.444444  0.870913  0.384945  14.95681
0.555556  0.873306  0.481846  21.58744
0.666667  0.875699  0.579013  29.11039
0.777778  0.878092  0.676446  37.45727
0.888889  0.880486  0.774145  46.57261
1.000000  0.882879  0.872110  56.41005
1.111111  0.885272  0.970340  66.92996
1.222222  0.887665  1.068837  78.09787
1.333333  0.890058  1.167599  89.88340
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1.444444	0.892451	1.266627	102.2595
1.555556	0.894844	1.365922	115.2019
1.666667	0.897238	1.465482	128.6886
1.777778	0.899631	1.565308	142.6996
1.888889	0.902024	1.665400	157.2165
2.000000	0.904417	1.765758	172.2225
2.111111	0.906810	1.866381	187.7020
2.222222	0.909203	1.967271	203.6406
2.333333	0.911596	2.068426	220.0249
2.444444	0.913990	2.169848	236.8424
2.555556	0.916383	2.271535	254.0814
2.666667	0.918776	2.373488	271.7311
2.777778	0.921169	2.475708	289.7811
2.888889	0.923562	2.578193	308.2219
3.000000	0.925955	2.680944	327.0442
3.111111	0.928349	2.783961	346.2397
3.222222	0.930742	2.887243	365.8001
3.333333	0.933135	2.990792	385.7178
3.444444	0.935528	3.094607	405.9857
3.555556	0.937921	3.198687	426.5967
3.666667	0.940315	3.303034	447.5444
3.777778	0.942708	3.407646	468.8225
3.888889	0.945101	3.512524	490.4253
4.000000	0.947494	3.617668	512.3470
4.111111	0.949887	3.723079	534.5823
4.222222	0.952281	3.828755	557.1261
4.333333	0.954674	3.934696	579.9736
4.444444	0.957067	4.040904	603.1200
4.555556	0.959460	4.147378	626.5610
4.666667	0.961853	4.254118	650.2922
4.777778	0.964247	4.361123	674.3097
4.888889	0.966640	4.468395	698.6095
5.000000	0.969033	4.575932	723.1879
5.111111	0.971426	4.683735	748.0413
5.222222	0.973820	4.791805	773.1663
5.333333	0.976213	4.900140	798.5596
5.444444	0.978606	5.008741	824.2180
5.555556	0.980999	5.117608	850.1385
5.666667	0.983392	5.226741	876.3182
5.777778	0.985786	5.336139	902.7542
5.888889	0.988179	5.445804	929.4440
6.000000	0.990572	5.555735	956.3848
6.111111	0.992965	5.665931	983.5742
6.222222	0.995359	5.776394	1011.010
6.333333	0.997752	5.887122	1038.689
6.444444	1.000145	5.998116	1066.611
6.555556	1.002538	6.109377	1094.771
6.666667	1.004932	6.220903	1123.169
6.777778	1.007325	6.332695	1151.803
6.888889	1.009718	6.444753	1180.670
7.000000	1.012112	6.557077	1209.769
7.111111	1.014505	6.669666	1239.097
7.222222	1.016898	6.782522	1268.654
7.333333	1.019291	6.895644	1298.437
7.444444	1.021685	7.009031	1328.445
7.555556	1.024078	7.122685	1358.677
7.666667	1.026471	7.236604	1389.130
7.777778	1.028865	7.350789	1419.804
7.888889	1.031258	7.465241	1450.696
8.000000	1.033651	7.579958	1481.806
8.111111	1.036044	7.694941	1513.133
8.222222	1.038438	7.810190	1544.674
8.333333	1.040831	7.925705	1576.430
8.444444	1.043224	8.041486	1608.398
8.555556	1.045618	8.157532	1640.577
8.666667	1.048011	8.273845	1672.967
8.777778	1.050404	8.390424	1705.566
8.888889	1.052798	8.507268	1738.373
9.000000	1.055191	8.624379	1771.388
9.111111	1.057584	8.741755	1804.608

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9.222222  1.059978  8.859398  1838.035
9.333333  1.062371  8.977306  1871.665
9.444444  1.064764  9.095480  1905.499
9.555556  1.067158  9.213920  1939.536
9.666667  1.069551  9.332626  1973.775
9.777778  1.071944  9.451598  2008.215
9.888889  1.074338  9.570836  2042.855
10.00000  1.076731  9.690340  2077.694
END FTABLE 35
FTABLE     36
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.206061  0.000000  0.000000
0.166667  0.206842  0.034409  3.045750
0.333333  0.207624  0.068947  9.601952
0.500000  0.208405  0.103616  18.74379
0.666667  0.209186  0.138416  30.07204
0.833333  0.209968  0.173345  43.33252
1.000000  0.210749  0.208405  58.34118
1.166667  0.211531  0.243595  74.95528
1.333333  0.212312  0.278915  93.05922
1.500000  0.213094  0.314366  112.5566
1.666667  0.213876  0.349947  133.3651
1.833333  0.214657  0.385658  155.4137
2.000000  0.215439  0.421499  178.6400
2.166667  0.216220  0.457471  202.9884
2.333333  0.217002  0.493572  228.4098
2.500000  0.217783  0.529805  254.8594
2.666667  0.218565  0.566167  282.2971
2.833333  0.219346  0.602659  310.6862
3.000000  0.220128  0.639282  339.9932
3.166667  0.220910  0.676035  370.1874
3.333333  0.221691  0.712919  401.2405
3.500000  0.222473  0.749933  433.1264
3.666667  0.223254  0.787076  465.8209
3.833333  0.224036  0.824351  499.3017
4.000000  0.224818  0.861755  533.5478
4.166667  0.225599  0.899290  568.5399
4.333333  0.226381  0.936955  604.2596
4.500000  0.227163  0.974750  640.6902
4.666667  0.227944  1.012676  677.8157
4.833333  0.228726  1.050732  715.6211
5.000000  0.229508  1.088918  754.0925
5.166667  0.230289  1.127234  793.2166
5.333333  0.231071  1.165681  832.9812
5.500000  0.231853  1.204258  873.3743
5.666667  0.232634  1.242965  914.3851
5.833333  0.233416  1.281802  956.0030
6.000000  0.234198  1.320770  998.2183
6.166667  0.234979  1.359868  1041.022
6.333333  0.235761  1.399097  1084.404
6.500000  0.236543  1.438455  1128.357
6.666667  0.237325  1.477944  1172.873
6.833333  0.238106  1.517564  1217.945
7.000000  0.238888  1.557313  1263.564
7.166667  0.239670  1.597193  1309.725
7.333333  0.240452  1.637203  1356.421
7.500000  0.241233  1.677343  1403.646
7.666667  0.242015  1.717614  1451.393
7.833333  0.242797  1.758015  1499.658
8.000000  0.243579  1.798546  1548.435
8.166667  0.244360  1.839208  1597.718
8.333333  0.245142  1.880000  1647.504
8.500000  0.245924  1.920922  1697.787
8.666667  0.246706  1.961975  1748.564
8.833333  0.247488  2.003157  1799.829
9.000000  0.248270  2.044471  1851.580
9.166667  0.249051  2.085914  1903.811
9.333333  0.249833  2.127488  1956.520
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 9.500000  0.250615  2.169192  2009.703
 9.666667  0.251397  2.211026  2063.357
 9.833333  0.252179  2.252991  2117.478
 10.00000  0.252961  2.295086  2172.063
 10.16667  0.253743  2.337311  2227.110
 10.33333  0.254525  2.379667  2282.616
 10.50000  0.255306  2.422152  2338.578
 10.66667  0.256088  2.464769  2394.993
 10.83333  0.256870  2.507515  2451.860
 11.00000  0.257652  2.550392  2509.175
 11.16667  0.258434  2.593399  2566.936
 11.33333  0.259216  2.636537  2625.142
 11.50000  0.259998  2.679805  2683.790
 11.66667  0.260780  2.723203  2742.879
 11.83333  0.261562  2.766731  2802.406
 12.00000  0.262344  2.810390  2862.370
 12.16667  0.263126  2.854179  2922.768
 12.33333  0.263908  2.898099  2983.600
 12.50000  0.264690  2.942148  3044.864
 12.66667  0.265472  2.986329  3106.557
 12.83333  0.266254  3.030639  3168.680
 13.00000  0.267036  3.075080  3231.230
 13.16667  0.267818  3.119651  3294.206
 13.33333  0.268600  3.164352  3357.607
 13.50000  0.269382  3.209184  3421.431
 13.66667  0.270164  3.254146  3485.678
 13.83333  0.270946  3.299239  3550.346
 14.00000  0.271728  3.344462  3615.435
 14.16667  0.272510  3.389815  3680.942
 14.33333  0.273292  3.435298  3746.868
 14.50000  0.274074  3.480912  3813.212
 14.66667  0.274856  3.526656  3879.972
 14.83333  0.275638  3.572531  3947.147
 15.00000  0.276420  3.618536  4014.738
END FTABLE 36
FTABLE     18
 91    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.107438  0.000000  0.000000
0.111111  0.108931  0.012020  0.887823
0.222222  0.110424  0.024207  2.795283
0.333333  0.111916  0.036559  5.451393
0.444444  0.113409  0.049077  8.740480
0.555556  0.114902  0.061761  12.59031
0.666667  0.116395  0.074611  16.94988
0.777778  0.117888  0.087627  21.78071
0.888889  0.119381  0.100808  27.05264
1.000000  0.120873  0.114156  32.74131
1.111111  0.122366  0.127669  38.82669
1.222222  0.123859  0.141348  45.29207
1.333333  0.125352  0.155193  52.12333
1.444444  0.126845  0.169204  59.30845
1.555556  0.128338  0.183381  66.83711
1.666667  0.129831  0.197724  74.70041
1.777778  0.131324  0.212232  82.89065
1.888889  0.132817  0.226907  91.40111
2.000000  0.134310  0.241747  100.2259
2.111111  0.135803  0.256754  109.3601
2.222222  0.137296  0.271926  118.7990
2.333333  0.138789  0.287264  128.5388
2.444444  0.140282  0.302768  138.5761
2.555556  0.141775  0.318438  148.9078
2.666667  0.143269  0.334273  159.5315
2.777778  0.144762  0.350275  170.4447
2.888889  0.146255  0.366443  181.6455
3.000000  0.147748  0.382776  193.1323
3.111111  0.149241  0.399276  204.9035
3.222222  0.150734  0.415941  216.9578
3.333333  0.152228  0.432772  229.2943
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3.444444  0.153721  0.449769  241.9121
3.555556  0.155214  0.466932  254.8104
3.666667  0.156707  0.484261  267.9886
3.777778  0.158201  0.501756  281.4462
3.888889  0.159694  0.519417  295.1831
4.000000  0.161187  0.537244  309.1989
4.111111  0.162681  0.555236  323.4935
4.222222  0.164174  0.573395  338.0669
4.333333  0.165667  0.591720  352.9192
4.444444  0.167161  0.610210  368.0504
4.555556  0.168654  0.628866  383.4608
4.666667  0.170147  0.647689  399.1506
4.777778  0.171641  0.666677  415.1201
4.888889  0.173134  0.685831  431.3699
5.000000  0.174628  0.705151  447.9001
5.111111  0.176121  0.724637  464.7115
5.222222  0.177615  0.744289  481.8044
5.333333  0.179108  0.764107  499.1794
5.444444  0.180602  0.784091  516.8371
5.555556  0.182095  0.804241  534.7783
5.666667  0.183589  0.824557  553.0034
5.777778  0.185082  0.845038  571.5133
5.888889  0.186576  0.865686  590.3086
6.000000  0.188069  0.886500  609.3901
6.111111  0.189563  0.907479  628.7585
6.222222  0.191057  0.928625  648.4148
6.333333  0.192550  0.949936  668.3596
6.444444  0.194044  0.971414  688.5938
6.555556  0.195538  0.993057  709.1183
6.666667  0.197031  1.014866  729.9340
6.777778  0.198525  1.036842  751.0417
6.888889  0.200019  1.058983  772.4423
7.000000  0.201512  1.081290  794.1367
7.111111  0.203006  1.103763  816.1260
7.222222  0.204500  1.126403  838.4110
7.333333  0.205994  1.149208  860.9926
7.444444  0.207487  1.172179  883.8719
7.555556  0.208981  1.195316  907.0498
7.666667  0.210475  1.218619  930.5273
7.777778  0.211969  1.242088  954.3054
7.888889  0.213463  1.265724  978.3851
8.000000  0.214957  1.289525  1002.767
8.111111  0.216450  1.313492  1027.453
8.222222  0.217944  1.337625  1052.444
8.333333  0.219438  1.361924  1077.740
8.444444  0.220932  1.386389  1103.343
8.555556  0.222426  1.411020  1129.253
8.666667  0.223920  1.435817  1155.473
8.777778  0.225414  1.460780  1182.002
8.888889  0.226908  1.485909  1208.842
9.000000  0.228402  1.511204  1235.994
9.111111  0.229896  1.536665  1263.459
9.222222  0.231390  1.562292  1291.238
9.333333  0.232884  1.588085  1319.332
9.444444  0.234378  1.614044  1347.743
9.555556  0.235872  1.640169  1376.470
9.666667  0.237366  1.666460  1405.516
9.777778  0.238860  1.692917  1434.882
9.888889  0.240355  1.719540  1464.568
10.00000  0.241849  1.746329  1494.575
END FTABLE 18
FTABLE     14
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.346189  0.000000  0.000000
0.088889  0.352344  0.031046  0.450259
0.177778  0.358499  0.062639  1.414704
0.266667  0.364654  0.094779  2.754071
0.355556  0.370808  0.127466  4.409014
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0.444444	0.376963	0.160701	6.342797
0.533333	0.383118	0.194482	8.529790
0.622222	0.389273	0.228810	10.95095
0.711111	0.395428	0.263686	13.59159
0.800000	0.401583	0.299109	16.44005
0.888889	0.407737	0.335078	19.48694
0.977778	0.413892	0.371595	22.72457
1.066667	0.420047	0.408659	26.14657
1.155556	0.426202	0.446270	29.74767
1.244444	0.432357	0.484429	33.52343
1.333333	0.438512	0.523134	37.47012
1.422222	0.444667	0.562386	41.58461
1.511111	0.450822	0.602186	45.86426
1.600000	0.456977	0.642532	50.30684
1.688889	0.463132	0.683426	54.91048
1.777778	0.469287	0.724867	59.67360
1.866667	0.475442	0.766855	64.59490
1.955556	0.481597	0.809390	69.67329
2.044444	0.487752	0.852472	74.90790
2.133333	0.493907	0.896101	80.29801
2.222222	0.500062	0.940278	85.84306
2.311111	0.506217	0.985001	91.54264
2.400000	0.512372	1.030272	97.39642
2.488889	0.518527	1.076089	103.4042
2.577778	0.524682	1.122454	109.5659
2.666667	0.530837	1.169366	115.8815
2.755556	0.536992	1.216825	122.3510
2.844444	0.543147	1.264832	128.9746
2.933333	0.549302	1.313385	135.7524
3.022222	0.555458	1.362485	142.6847
3.111111	0.561613	1.412133	149.7717
3.200000	0.567768	1.462328	157.0138
3.288889	0.573923	1.513069	164.4114
3.377778	0.580078	1.564358	171.9647
3.466667	0.586233	1.616194	179.6744
3.555556	0.592389	1.668578	187.5408
3.644444	0.598544	1.721508	195.5644
3.733333	0.604699	1.774985	203.7458
3.822222	0.610854	1.829010	212.0855
3.911111	0.617009	1.883582	220.5840
4.000000	0.623165	1.938700	229.2420
4.088889	0.629320	1.994366	238.0600
4.177778	0.635475	2.050580	247.0386
4.266667	0.641630	2.107340	256.1785
4.355556	0.647786	2.164647	265.4803
4.444444	0.653941	2.222502	274.9447
4.533333	0.660096	2.280903	284.5723
4.622222	0.666252	2.339852	294.3638
4.711111	0.672407	2.399348	304.3199
4.800000	0.678562	2.459391	314.4413
4.888889	0.684718	2.519981	324.7286
4.977778	0.690873	2.581119	335.1827
5.066667	0.697028	2.642803	345.8041
5.155556	0.703184	2.705035	356.5937
5.244444	0.709339	2.767814	367.5521
5.333333	0.715495	2.831140	378.6801
5.422222	0.721650	2.895013	389.9784
5.511111	0.727805	2.959433	401.4478
5.600000	0.733961	3.024400	413.0889
5.688889	0.740116	3.089915	424.9027
5.777778	0.746272	3.155977	436.8897
5.866667	0.752427	3.222585	449.0508
5.955556	0.758583	3.289741	461.3866
6.044444	0.764738	3.357445	473.8981
6.133333	0.770894	3.425695	486.5859
6.222222	0.777049	3.494492	499.4508
6.311111	0.783205	3.563837	512.4936
6.400000	0.789360	3.633729	525.7149
6.488889	0.795516	3.704168	539.1157
6.577778	0.801671	3.775154	552.6967

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6.666667  0.807827  3.846687  566.4586
6.755556  0.813982  3.918767  580.4022
6.844444  0.820138  3.991395  594.5284
6.933333  0.826294  4.064570  608.8377
7.022222  0.832449  4.138292  623.3312
7.111111  0.838605  4.212561  638.0094
7.200000  0.844760  4.287377  652.8732
7.288889  0.850916  4.362740  667.9234
7.377778  0.857072  4.438651  683.1607
7.466667  0.863227  4.515109  698.5860
7.555556  0.869383  4.592114  714.2000
7.644444  0.875539  4.669666  730.0034
7.733333  0.881694  4.747765  745.9971
7.822222  0.887850  4.826411  762.1818
7.911111  0.894006  4.905605  778.5583
8.000000  0.900162  4.985346  795.1274
END FTABLE 14
FTABLE     37
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.728788  0.000000  0.000000
0.166667  0.731549  0.121695  3.045750
0.333333  0.734311  0.243850  9.601952
0.500000  0.737072  0.366465  18.74379
0.666667  0.739834  0.489541  30.07204
0.833333  0.742595  0.613076  43.33252
1.000000  0.745357  0.737072  58.34118
1.166667  0.748118  0.861529  74.95528
1.333333  0.750880  0.986445  93.05922
1.500000  0.753642  1.111822  112.5566
1.666667  0.756403  1.237659  133.3651
1.833333  0.759165  1.363956  155.4137
2.000000  0.761926  1.490714  178.6400
2.166667  0.764688  1.617932  202.9884
2.333333  0.767449  1.745610  228.4098
2.500000  0.770211  1.873748  254.8594
2.666667  0.772973  2.002347  282.2971
2.833333  0.775734  2.131406  310.6862
3.000000  0.778496  2.260925  339.9932
3.166667  0.781257  2.390904  370.1874
3.333333  0.784019  2.521344  401.2405
3.500000  0.786781  2.652244  433.1264
3.666667  0.789542  2.783604  465.8209
3.833333  0.792304  2.915425  499.3017
4.000000  0.795066  3.047706  533.5478
4.166667  0.797827  3.180447  568.5399
4.333333  0.800589  3.313648  604.2596
4.500000  0.803351  3.447310  640.6902
4.666667  0.806112  3.581431  677.8157
4.833333  0.808874  3.716014  715.6211
5.000000  0.811636  3.851056  754.0925
5.166667  0.814397  3.986559  793.2166
5.333333  0.817159  4.122522  832.9812
5.500000  0.819921  4.258945  873.3743
5.666667  0.822682  4.395829  914.3851
5.833333  0.825444  4.533173  956.0030
6.000000  0.828206  4.670977  998.2183
6.166667  0.830968  4.809241  1041.022
6.333333  0.833729  4.947966  1084.404
6.500000  0.836491  5.087151  1128.357
6.666667  0.839253  5.226796  1172.873
6.833333  0.842015  5.366902  1217.945
7.000000  0.844776  5.507468  1263.564
7.166667  0.847538  5.648494  1309.725
7.333333  0.850300  5.789981  1356.421
7.500000  0.853062  5.931928  1403.646
7.666667  0.855824  6.074335  1451.393
7.833333  0.858585  6.217202  1499.658
8.000000  0.861347  6.360530  1548.435
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8.166667  0.864109  6.504318  1597.718
8.333333  0.866871  6.648566  1647.504
8.500000  0.869633  6.793275  1697.787
8.666667  0.872395  6.938444  1748.564
8.833333  0.875156  7.084073  1799.829
9.000000  0.877918  7.230163  1851.580
9.166667  0.880680  7.376713  1903.811
9.333333  0.883442  7.523723  1956.520
9.500000  0.886204  7.671193  2009.703
9.666667  0.888966  7.819124  2063.357
9.833333  0.891728  7.967515  2117.478
10.00000  0.894490  8.116367  2172.063
10.16667  0.897252  8.265678  2227.110
10.33333  0.900013  8.415451  2282.616
10.50000  0.902775  8.565683  2338.578
10.66667  0.905537  8.716376  2394.993
10.83333  0.908299  8.867529  2451.860
11.00000  0.911061  9.019142  2509.175
11.16667  0.913823  9.171216  2566.936
11.33333  0.916585  9.323750  2625.142
11.50000  0.919347  9.476744  2683.790
11.66667  0.922109  9.630199  2742.879
11.83333  0.924871  9.784114  2802.406
12.00000  0.927633  9.938489  2862.370
12.16667  0.930395  10.09332  2922.768
12.33333  0.933157  10.24862  2983.600
12.50000  0.935919  10.40438  3044.864
12.66667  0.938681  10.56059  3106.557
12.83333  0.941443  10.71727  3168.680
13.00000  0.944205  10.87441  3231.230
13.16667  0.946967  11.03201  3294.206
13.33333  0.949729  11.19006  3357.607
13.50000  0.952491  11.34858  3421.431
13.66667  0.955253  11.50756  3485.678
13.83333  0.958015  11.66700  3550.346
14.00000  0.960777  11.82690  3615.435
14.16667  0.963540  11.98726  3680.942
14.33333  0.966302  12.14808  3746.868
14.50000  0.969064  12.30936  3813.212
14.66667  0.971826  12.47110  3879.972
14.83333  0.974588  12.63330  3947.147
15.00000  0.977350  12.79596  4014.738
END FTABLE 37
FTABLE     15
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.131772  0.000000  0.000000
0.088889  0.134701  0.011843  0.443984
0.177778  0.137630  0.023947  1.391885
0.266667  0.140558  0.036311  2.704672
0.355556  0.143487  0.048935  4.323447
0.444444  0.146416  0.061820  6.212223
0.533333  0.149344  0.074964  8.346316
0.622222  0.152273  0.088370  10.70774
0.711111  0.155202  0.102035  13.28290
0.800000  0.158131  0.115961  16.06127
0.888889  0.161059  0.130147  19.03457
0.977778  0.163988  0.144594  22.19617
1.066667  0.166917  0.159301  25.54079
1.155556  0.169846  0.174268  29.06415
1.244444  0.172775  0.189496  32.76281
1.333333  0.175704  0.204984  36.63396
1.422222  0.178633  0.220732  40.67537
1.511111  0.181561  0.236740  44.88527
1.600000  0.184490  0.253009  49.26223
1.688889  0.187419  0.269539  53.80518
1.777778  0.190348  0.286328  58.51329
1.866667  0.193277  0.303378  63.38598
1.955556  0.196206  0.320689  68.42285
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2.044444  0.199135  0.338260  73.62369
2.133333  0.202064  0.356091  78.98843
2.222222  0.204993  0.374182  84.51712
2.311111  0.207922  0.392534  90.20993
2.400000  0.210851  0.411146  96.06712
2.488889  0.213780  0.430019  102.0891
2.577778  0.216710  0.449151  108.2761
2.666667  0.219639  0.468545  114.6289
2.755556  0.222568  0.488198  121.1478
2.844444  0.225497  0.508112  127.8336
2.933333  0.228426  0.528287  134.6868
3.022222  0.231355  0.548721  141.7082
3.111111  0.234284  0.569416  148.8985
3.200000  0.237214  0.590372  156.2584
3.288889  0.240143  0.611588  163.7888
3.377778  0.243072  0.633064  171.4904
3.466667  0.246001  0.654801  179.3641
3.555556  0.248931  0.676798  187.4108
3.644444  0.251860  0.699055  195.6313
3.733333  0.254789  0.721573  204.0266
3.822222  0.257719  0.744351  212.5976
3.911111  0.260648  0.767389  221.3451
4.000000  0.263577  0.790688  230.2701
4.088889  0.266507  0.814248  239.3737
4.177778  0.269436  0.838067  248.6567
4.266667  0.272365  0.862147  258.1201
4.355556  0.275295  0.886488  267.7649
4.444444  0.278224  0.911089  277.5920
4.533333  0.281154  0.935950  287.6026
4.622222  0.284083  0.961071  297.7975
4.711111  0.287013  0.986454  308.1778
4.800000  0.289942  1.012096  318.7445
4.888889  0.292872  1.037999  329.4986
4.977778  0.295801  1.064162  340.4411
5.066667  0.298731  1.090586  351.5731
5.155556  0.301660  1.117270  362.8955
5.244444  0.304590  1.144214  374.4093
5.333333  0.307520  1.171419  386.1157
5.422222  0.310449  1.198884  398.0157
5.511111  0.313379  1.226610  410.1101
5.600000  0.316308  1.254596  422.4002
5.688889  0.319238  1.282843  434.8870
5.777778  0.322168  1.311350  447.5713
5.866667  0.325098  1.340117  460.4544
5.955556  0.328027  1.369145  473.5372
6.044444  0.330957  1.398433  486.8208
6.133333  0.333887  1.427982  500.3062
6.222222  0.336816  1.457791  513.9944
6.311111  0.339746  1.487860  527.8865
6.400000  0.342676  1.518190  541.9834
6.488889  0.345606  1.548780  556.2863
6.577778  0.348536  1.579631  570.7962
6.666667  0.351466  1.610742  585.5141
6.755556  0.354395  1.642114  600.4410
6.844444  0.357325  1.673746  615.5780
6.933333  0.360255  1.705638  630.9260
7.022222  0.363185  1.737791  646.4862
7.111111  0.366115  1.770204  662.2595
7.200000  0.369045  1.802878  678.2470
7.288889  0.371975  1.835812  694.4497
7.377778  0.374905  1.869007  710.8687
7.466667  0.377835  1.902462  727.5049
7.555556  0.380765  1.936178  744.3593
7.644444  0.383695  1.970154  761.4331
7.733333  0.386625  2.004390  778.7271
7.822222  0.389555  2.038887  796.2425
7.911111  0.392485  2.073644  813.9802
8.000000  0.395415  2.108662  831.9413
END FTABLE 15
FTABLE     22
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91 4

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.068779	0.000000	0.000000		
0.088889	0.070307	0.006182	0.434932		
0.177778	0.071836	0.012499	1.363508		
0.266667	0.073365	0.018952	2.649532		
0.355556	0.074894	0.025542	4.235304		
0.444444	0.076423	0.032267	6.085573		
0.533333	0.077952	0.039128	8.176158		
0.622222	0.079480	0.046125	10.48944		
0.711111	0.081009	0.053258	13.01210		
0.800000	0.082538	0.060527	15.73383		
0.888889	0.084067	0.067931	18.64650		
0.977778	0.085596	0.075472	21.74365		
1.066667	0.087125	0.083148	25.02009		
1.155556	0.088654	0.090961	28.47162		
1.244444	0.090183	0.098909	32.09486		
1.333333	0.091712	0.106993	35.88709		
1.422222	0.093241	0.115213	39.84612		
1.511111	0.094770	0.123570	43.97018		
1.600000	0.096299	0.132061	48.25791		
1.688889	0.097828	0.140689	52.70824		
1.777778	0.099357	0.149453	57.32037		
1.866667	0.100886	0.158353	62.09371		
1.955556	0.102415	0.167388	67.02790		
2.044444	0.103944	0.176560	72.12271		
2.133333	0.105474	0.185867	77.37808		
2.222222	0.107003	0.195311	82.79405		
2.311111	0.108532	0.204890	88.37080		
2.400000	0.110061	0.214605	94.10858		
2.488889	0.111590	0.224457	100.0077		
2.577778	0.113119	0.234444	106.0687		
2.666667	0.114649	0.244567	112.2919		
2.755556	0.116178	0.254826	118.6780		
2.844444	0.117707	0.265221	125.2274		
2.933333	0.119236	0.275751	131.9410		
3.022222	0.120766	0.286418	138.8192		
3.111111	0.122295	0.297221	145.8629		
3.200000	0.123824	0.308159	153.0728		
3.288889	0.125354	0.319234	160.4496		
3.377778	0.126883	0.330445	167.9942		
3.466667	0.128412	0.341791	175.7074		
3.555556	0.129942	0.353273	183.5900		
3.644444	0.131471	0.364892	191.6430		
3.733333	0.133001	0.376646	199.8671		
3.822222	0.134530	0.388536	208.2633		
3.911111	0.136059	0.400562	216.8325		
4.000000	0.137589	0.412725	225.5756		
4.088889	0.139118	0.425023	234.4935		
4.177778	0.140648	0.437457	243.5873		
4.266667	0.142177	0.450027	252.8577		
4.355556	0.143707	0.462733	262.3059		
4.444444	0.145236	0.475575	271.9327		
4.533333	0.146766	0.488552	281.7392		
4.622222	0.148295	0.501666	291.7263		
4.711111	0.149825	0.514916	301.8950		
4.800000	0.151355	0.528302	312.2462		
4.888889	0.152884	0.541824	322.7811		
4.977778	0.154414	0.555481	333.5005		
5.066667	0.155944	0.569275	344.4055		
5.155556	0.157473	0.583205	355.4970		
5.244444	0.159003	0.597270	366.7762		
5.333333	0.160533	0.611472	378.2439		
5.422222	0.162062	0.625809	389.9012		
5.511111	0.163592	0.640283	401.7491		
5.600000	0.165122	0.654892	413.7887		
5.688889	0.166651	0.669638	426.0208		
5.777778	0.168181	0.684519	438.4466		
5.866667	0.169711	0.699537	451.0670		

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5.955556  0.171241  0.714690  463.8831
6.044444  0.172771  0.729979  476.8959
6.133333  0.174300  0.745405  490.1063
6.222222  0.175830  0.760966  503.5155
6.311111  0.177360  0.776664  517.1243
6.400000  0.178890  0.792497  530.9339
6.488889  0.180420  0.808466  544.9452
6.577778  0.181950  0.824572  559.1593
6.666667  0.183480  0.840813  573.5771
6.755556  0.185010  0.857190  588.1997
6.844444  0.186540  0.873704  603.0281
6.933333  0.188070  0.890353  618.0632
7.022222  0.189600  0.907138  633.3062
7.111111  0.191130  0.924059  648.7579
7.200000  0.192660  0.941117  664.4195
7.288889  0.194190  0.958310  680.2919
7.377778  0.195720  0.975639  696.3761
7.466667  0.197250  0.993105  712.6731
7.555556  0.198780  1.010706  729.1839
7.644444  0.200310  1.028443  745.9096
7.733333  0.201840  1.046317  762.8510
7.822222  0.203370  1.064326  780.0093
7.911111  0.204900  1.082471  797.3855
8.000000  0.206430  1.100753  814.9804
END FTABLE 22
FTABLE     38
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.123232  0.000000  0.000000
0.333333  0.124166  0.041233  5.459048
0.666667  0.125100  0.082777  17.09702
1.000000  0.126034  0.124633  33.16902
1.333333  0.126968  0.166800  52.90745
1.666667  0.127902  0.209279  75.82277
2.000000  0.128836  0.252068  101.5631
2.333333  0.129770  0.295169  129.8590
2.666667  0.130704  0.338581  160.4958
3.000000  0.131638  0.382305  193.2981
3.333333  0.132572  0.426340  228.1193
3.666667  0.133506  0.470686  264.8356
4.000000  0.134440  0.515344  303.3407
4.333333  0.135374  0.560313  343.5429
4.666667  0.136308  0.605593  385.3621
5.000000  0.137242  0.651184  428.7282
5.333333  0.138176  0.697087  473.5791
5.666667  0.139110  0.743301  519.8601
6.000000  0.140044  0.789827  567.5223
6.333333  0.140978  0.836664  616.5219
6.666667  0.141912  0.883812  666.8198
7.000000  0.142846  0.931272  718.3808
7.333333  0.143780  0.979043  771.1732
7.666667  0.144714  1.027125  825.1681
8.000000  0.145648  1.075518  880.3396
8.333333  0.146582  1.124223  936.6641
8.666667  0.147516  1.173240  994.1202
9.000000  0.148450  1.222567  1052.688
9.333333  0.149384  1.272206  1112.351
9.666667  0.150318  1.322156  1173.091
10.00000  0.151252  1.372418  1234.895
10.33333  0.152186  1.422991  1297.748
10.66667  0.153120  1.473876  1361.638
11.00000  0.154054  1.525071  1426.554
11.33333  0.154988  1.576578  1492.486
11.66667  0.155922  1.628397  1559.423
12.00000  0.156857  1.680527  1627.358
12.33333  0.157791  1.732968  1696.282
12.66667  0.158725  1.785721  1766.187
13.00000  0.159659  1.838784  1837.068
13.33333  0.160593  1.892160  1908.918
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13.66667  0.161527  1.945846  1981.731
14.00000  0.162461  1.999845  2055.502
14.33333  0.163395  2.054154  2130.227
14.66667  0.164330  2.108775  2205.901
15.00000  0.165264  2.163707  2282.520
15.33333  0.166198  2.218951  2360.081
15.66667  0.167132  2.274506  2438.581
16.00000  0.168066  2.330372  2518.016
16.33333  0.169000  2.386550  2598.385
16.66667  0.169934  2.443039  2679.684
17.00000  0.170869  2.499839  2761.912
17.33333  0.171803  2.556951  2845.067
17.66667  0.172737  2.614374  2929.147
18.00000  0.173671  2.672109  3014.151
18.33333  0.174605  2.730155  3100.078
18.66667  0.175540  2.788513  3186.925
19.00000  0.176474  2.847182  3274.694
19.33333  0.177408  2.906162  3363.382
19.66667  0.178342  2.965454  3452.989
20.00000  0.179276  3.025057  3543.515
20.33333  0.180211  3.084971  3634.960
20.66667  0.181145  3.145197  3727.323
21.00000  0.182079  3.205734  3820.604
21.33333  0.183013  3.266583  3914.803
21.66667  0.183948  3.327743  4009.920
22.00000  0.184882  3.389215  4105.957
22.33333  0.185816  3.450998  4202.911
22.66667  0.186750  3.513092  4300.786
23.00000  0.187685  3.575498  4399.580
23.33333  0.188619  3.638215  4499.294
23.66667  0.189553  3.701244  4599.929
24.00000  0.190487  3.764584  4701.486
24.33333  0.191422  3.828236  4803.966
24.66667  0.192356  3.892199  4907.369
25.00000  0.193290  3.956473  5011.695
25.33333  0.194225  4.021059  5116.948
25.66667  0.195159  4.085956  5223.126
26.00000  0.196093  4.151165  5330.231
26.33333  0.197028  4.216685  5438.265
26.66667  0.197962  4.282516  5547.229
27.00000  0.198896  4.348659  5657.123
27.33333  0.199830  4.415114  5767.949
27.66667  0.200765  4.481880  5879.708
28.00000  0.201699  4.548957  5992.401
28.33333  0.202634  4.616346  6106.031
28.66667  0.203568  4.684046  6220.598
29.00000  0.204502  4.752058  6336.103
29.33333  0.205437  4.820381  6452.549
29.66667  0.206371  4.889015  6569.936
30.00000  0.207305  4.957961  6688.266
END FTABLE 38
FTABLE     19
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.168457  0.000000  0.000000
0.088889  0.170953  0.015085  0.667260
0.177778  0.173449  0.030392  2.099794
0.266667  0.175946  0.045920  4.093248
0.355556  0.178442  0.061671  6.560397
0.444444  0.180938  0.077643  9.446872
0.533333  0.183434  0.093838  12.71437
0.622222  0.185930  0.110254  16.33413
0.711111  0.188426  0.126892  20.28363
0.800000  0.190922  0.143752  24.54481
0.888889  0.193419  0.160834  29.10286
0.977778  0.195915  0.178137  33.94547
1.066667  0.198411  0.195663  39.06230
1.155556  0.200907  0.213410  44.44461
1.244444  0.203403  0.231380  50.08490
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1.333333	0.205900	0.249571	55.97677
1.422222	0.208396	0.267984	62.11469
1.511111	0.210892	0.286619	68.49390
1.600000	0.213388	0.305476	75.11025
1.688889	0.215885	0.324555	81.96018
1.777778	0.218381	0.343855	89.04056
1.866667	0.220877	0.363378	96.34872
1.955556	0.223374	0.383123	103.8823
2.044444	0.225870	0.403089	111.6393
2.133333	0.228366	0.423277	119.6180
2.222222	0.230863	0.443687	127.8168
2.311111	0.233359	0.464319	136.2346
2.400000	0.235855	0.485173	144.8702
2.488889	0.238352	0.506249	153.7227
2.577778	0.240848	0.527547	162.7914
2.666667	0.243345	0.549067	172.0756
2.755556	0.245841	0.570808	181.5750
2.844444	0.248337	0.592772	191.2891
2.933333	0.250834	0.614957	201.2176
3.022222	0.253330	0.637364	211.3605
3.111111	0.255827	0.659994	221.7176
3.200000	0.258323	0.682845	232.2888
3.288889	0.260820	0.705918	243.0744
3.377778	0.263316	0.729213	254.0744
3.466667	0.265813	0.752730	265.2890
3.555556	0.268309	0.776468	276.7184
3.644444	0.270806	0.800429	288.3630
3.733333	0.273302	0.824612	300.2230
3.822222	0.275799	0.849016	312.2990
3.911111	0.278296	0.873642	324.5912
4.000000	0.280792	0.898491	337.1001
4.088889	0.283289	0.923561	349.8263
4.177778	0.285785	0.948853	362.7703
4.266667	0.288282	0.974367	375.9325
4.355556	0.290779	1.000103	389.3137
4.444444	0.293275	1.026061	402.9143
4.533333	0.295772	1.052241	416.7350
4.622222	0.298269	1.078643	430.7764
4.711111	0.300765	1.105267	445.0392
4.800000	0.303262	1.132112	459.5241
4.888889	0.305759	1.159180	474.2318
4.977778	0.308255	1.186469	489.1629
5.066667	0.310752	1.213981	504.3183
5.155556	0.313249	1.241714	519.6985
5.244444	0.315746	1.269670	535.3045
5.333333	0.318242	1.297847	551.1369
5.422222	0.320739	1.326246	567.1966
5.511111	0.323236	1.354867	583.4842
5.600000	0.325733	1.383710	600.0006
5.688889	0.328230	1.412775	616.7466
5.777778	0.330726	1.442062	633.7231
5.866667	0.333223	1.471571	650.9307
5.955556	0.335720	1.501302	668.3704
6.044444	0.338217	1.531255	686.0429
6.133333	0.340714	1.561429	703.9491
6.222222	0.343211	1.591826	722.0899
6.311111	0.345708	1.622444	740.4660
6.400000	0.348204	1.653285	759.0784
6.488889	0.350701	1.684347	777.9279
6.577778	0.353198	1.715632	797.0153
6.666667	0.355695	1.747138	816.3415
6.755556	0.358192	1.778867	835.9074
6.844444	0.360689	1.810817	855.7138
6.933333	0.363186	1.842989	875.7617
7.022222	0.365683	1.875383	896.0518
7.111111	0.368180	1.908000	916.5852
7.200000	0.370677	1.940838	937.3625
7.288889	0.373174	1.973898	958.3848
7.377778	0.375671	2.007180	979.6529
7.466667	0.378168	2.040684	1001.168

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7.555556  0.380665  2.074410  1022.930
7.644444  0.383162  2.108358  1044.941
7.733333  0.385660  2.142527  1067.201
7.822222  0.388157  2.176919  1089.712
7.911111  0.390654  2.211533  1112.474
8.000000  0.393151  2.246369  1135.487
END FTABLE 19
FTABLE     39
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.545225  0.000000  0.000000
0.333333  0.548860  0.182348  4.660386
0.666667  0.552495  0.365907  14.61826
1.000000  0.556131  0.550678  28.40055
1.333333  0.559766  0.736661  45.36100
1.666667  0.563401  0.923855  65.08691
2.000000  0.567036  1.112261  87.28068
2.333333  0.570672  1.301879  111.7134
2.666667  0.574307  1.492709  138.2019
3.000000  0.577942  1.684751  166.5954
3.333333  0.581577  1.878004  196.7676
3.666667  0.585213  2.072469  228.6106
4.000000  0.588848  2.268146  262.0316
4.333333  0.592483  2.465034  296.9500
4.666667  0.596118  2.663134  333.2949
5.000000  0.599754  2.862446  371.0038
5.333333  0.603389  3.062970  410.0211
5.666667  0.607024  3.264706  450.2973
6.000000  0.610660  3.467653  491.7881
6.333333  0.614295  3.671812  534.4536
6.666667  0.617930  3.877183  578.2577
7.000000  0.621566  4.083766  623.1679
7.333333  0.625201  4.291560  669.1546
7.666667  0.628836  4.500566  716.1908
8.000000  0.632472  4.710784  764.2521
8.333333  0.636107  4.922214  813.3161
8.666667  0.639742  5.134856  863.3622
9.000000  0.643378  5.348709  914.3717
9.333333  0.647013  5.563774  966.3273
9.666667  0.650648  5.780051  1019.213
10.00000  0.654284  5.997540  1073.015
10.33333  0.657919  6.216240  1127.718
10.66667  0.661554  6.436153  1183.312
11.00000  0.665190  6.657277  1239.784
11.33333  0.668825  6.879612  1297.124
11.66667  0.672461  7.103160  1355.321
12.00000  0.676096  7.327920  1414.368
12.33333  0.679731  7.553891  1474.256
12.66667  0.683367  7.781074  1534.976
13.00000  0.687002  8.009469  1596.523
13.33333  0.690638  8.239075  1658.888
13.66667  0.694273  8.469894  1722.067
14.00000  0.697909  8.701924  1786.052
14.33333  0.701544  8.935166  1850.840
14.66667  0.705179  9.169620  1916.425
15.00000  0.708815  9.405286  1982.803
15.33333  0.712450  9.642163  2049.970
15.66667  0.716086  9.880253  2117.921
16.00000  0.719721  10.11955  2186.653
16.33333  0.723357  10.36007  2256.163
16.66667  0.726992  10.60179  2326.448
17.00000  0.730628  10.84473  2397.506
17.33333  0.734263  11.08888  2469.332
17.66667  0.737899  11.33424  2541.926
18.00000  0.741534  11.58081  2615.285
18.33333  0.745170  11.82859  2689.407
18.66667  0.748805  12.07759  2764.290
19.00000  0.752441  12.32780  2839.933
19.33333  0.756076  12.57922  2916.334
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19.66667  0.759712  12.83185  2993.492
20.00000  0.763347  13.08569  3071.406
20.33333  0.766983  13.34075  3150.075
20.66667  0.770618  13.59701  3229.497
21.00000  0.774254  13.85449  3309.672
21.33333  0.777889  14.11318  3390.599
21.66667  0.781525  14.37308  3472.278
22.00000  0.785160  14.63420  3554.708
22.33333  0.788796  14.89652  3637.889
22.66667  0.792431  15.16006  3721.820
23.00000  0.796067  15.42481  3806.501
23.33333  0.799703  15.69077  3891.933
23.66667  0.803338  15.95795  3978.114
24.00000  0.806974  16.22633  4065.045
24.33333  0.810609  16.49593  4152.726
24.66667  0.814245  16.76674  4241.157
25.00000  0.817881  17.03876  4330.338
25.33333  0.821516  17.31199  4420.270
25.66667  0.825152  17.58644  4510.952
26.00000  0.828787  17.86209  4602.386
26.33333  0.832423  18.13896  4694.571
26.66667  0.836059  18.41704  4787.508
27.00000  0.839694  18.69633  4881.197
27.33333  0.843330  18.97684  4975.640
27.66667  0.846965  19.25855  5070.836
28.00000  0.850601  19.54148  5166.786
28.33333  0.854237  19.82562  5263.490
28.66667  0.857872  20.11097  5360.950
29.00000  0.861508  20.39754  5459.167
29.33333  0.865144  20.68531  5558.140
29.66667  0.868779  20.97430  5657.871
30.00000  0.872415  21.26450  5758.360
END FTABLE 39
FTABLE     40
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.200872  0.000000  0.000000
0.333333  0.202212  0.067181  4.887855
0.666667  0.203552  0.134808  15.33176
1.000000  0.204891  0.202882  29.78675
1.333333  0.206231  0.271402  47.57501
1.666667  0.207570  0.340369  68.26373
2.000000  0.208910  0.409782  91.54075
2.333333  0.210249  0.479642  117.1660
2.666667  0.211589  0.549949  144.9474
3.000000  0.212929  0.620702  174.7268
3.333333  0.214268  0.691901  206.3715
3.666667  0.215608  0.763547  239.7688
4.000000  0.216948  0.835640  274.8211
4.333333  0.218287  0.908179  311.4438
4.666667  0.219627  0.981164  349.5627
5.000000  0.220967  1.054597  389.1120
5.333333  0.222306  1.128476  430.0337
5.666667  0.223646  1.202801  472.2758
6.000000  0.224986  1.277573  515.7917
6.333333  0.226325  1.352791  560.5397
6.666667  0.227665  1.428456  606.4818
7.000000  0.229005  1.504568  653.5840
7.333333  0.230344  1.581126  701.8152
7.666667  0.231684  1.658131  751.1473
8.000000  0.233024  1.735582  801.5544
8.333333  0.234363  1.813480  853.0131
8.666667  0.235703  1.891824  905.5019
9.000000  0.237043  1.970615  959.0011
9.333333  0.238383  2.049853  1013.493
9.666667  0.239722  2.129537  1068.960
10.00000  0.241062  2.209668  1125.387
10.33333  0.242402  2.290245  1182.761
10.66667  0.243741  2.371269  1241.068
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11.00000  0.245081  2.452739  1300.296
11.33333  0.246421  2.534656  1360.435
11.66667  0.247761  2.617020  1421.473
12.00000  0.249101  2.699830  1483.402
12.33333  0.250440  2.783087  1546.213
12.66667  0.251780  2.866790  1609.897
13.00000  0.253120  2.950940  1674.447
13.33333  0.254460  3.035537  1739.856
13.66667  0.255799  3.120580  1806.119
14.00000  0.257139  3.206070  1873.228
14.33333  0.258479  3.292006  1941.178
14.66667  0.259819  3.378389  2009.964
15.00000  0.261159  3.465219  2079.582
15.33333  0.262499  3.552495  2150.026
15.66667  0.263838  3.640218  2221.294
16.00000  0.265178  3.728387  2293.381
16.33333  0.266518  3.817003  2366.284
16.66667  0.267858  3.906066  2440.000
17.00000  0.269198  3.995575  2514.525
17.33333  0.270538  4.085531  2589.857
17.66667  0.271877  4.175933  2665.995
18.00000  0.273217  4.266783  2742.934
18.33333  0.274557  4.358078  2820.674
18.66667  0.275897  4.449821  2899.212
19.00000  0.277237  4.542010  2978.547
19.33333  0.278577  4.634645  3058.677
19.66667  0.279917  4.727728  3139.601
20.00000  0.281257  4.821257  3221.318
20.33333  0.282597  4.915232  3303.826
20.66667  0.283936  5.009654  3387.125
21.00000  0.285276  5.104523  3471.213
21.33333  0.286616  5.199838  3556.090
21.66667  0.287956  5.295601  3641.756
22.00000  0.289296  5.391809  3728.209
22.33333  0.290636  5.488465  3815.450
22.66667  0.291976  5.585567  3903.478
23.00000  0.293316  5.683115  3992.292
23.33333  0.294656  5.781111  4081.893
23.66667  0.295996  5.879553  4172.281
24.00000  0.297336  5.978441  4263.455
24.33333  0.298676  6.077777  4355.416
24.66667  0.300016  6.177559  4448.163
25.00000  0.301356  6.277787  4541.697
25.33333  0.302696  6.378463  4636.018
25.66667  0.304036  6.479585  4731.127
26.00000  0.305376  6.581153  4827.023
26.33333  0.306716  6.683169  4923.708
26.66667  0.308056  6.785631  5021.181
27.00000  0.309396  6.888539  5119.443
27.33333  0.310736  6.991894  5218.495
27.66667  0.312076  7.095696  5318.337
28.00000  0.313416  7.199945  5418.970
28.33333  0.314756  7.304640  5520.395
28.66667  0.316096  7.409783  5622.612
29.00000  0.317436  7.515371  5725.622
29.33333  0.318776  7.621407  5829.426
29.66667  0.320116  7.727889  5934.025
30.00000  0.321456  7.834818  6039.419
END FTABLE 40
FTABLE     16
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.172635  0.000000  0.000000
0.088889  0.176472  0.015516  0.513243
0.177778  0.180309  0.031373  1.609011
0.266667  0.184146  0.047571  3.126586
0.355556  0.187983  0.064110  4.997880
0.444444  0.191820  0.080990  7.181295
0.533333  0.195657  0.098211  9.648294
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0.622222	0.199494	0.115773	12.37809
0.711111	0.203331	0.133677	15.35496
0.800000	0.207168	0.151921	18.56674
0.888889	0.211005	0.170507	22.00385
0.977778	0.214842	0.189433	25.65865
1.066667	0.218679	0.208701	29.52501
1.155556	0.222516	0.228309	33.59800
1.244444	0.226353	0.248259	37.87362
1.333333	0.230190	0.268550	42.34865
1.422222	0.234027	0.289182	47.02050
1.511111	0.237865	0.310155	51.88711
1.600000	0.241702	0.331469	56.94686
1.688889	0.245539	0.353124	62.19848
1.777778	0.249376	0.375120	67.64103
1.866667	0.253214	0.397458	73.27383
1.955556	0.257051	0.420136	79.09643
2.044444	0.260888	0.443156	85.10857
2.133333	0.264726	0.466516	91.31018
2.222222	0.268563	0.490218	97.70131
2.311111	0.272400	0.514261	104.2822
2.400000	0.276238	0.538645	111.0530
2.488889	0.280075	0.563370	118.0144
2.577778	0.283913	0.588436	125.1666
2.666667	0.287750	0.613843	132.5103
2.755556	0.291588	0.639591	140.0462
2.844444	0.295425	0.665681	147.7749
2.933333	0.299263	0.692111	155.6972
3.022222	0.303100	0.718883	163.8139
3.111111	0.306938	0.745996	172.1258
3.200000	0.310775	0.773450	180.6339
3.288889	0.314613	0.801245	189.3389
3.377778	0.318451	0.829381	198.2419
3.466667	0.322288	0.857858	207.3439
3.555556	0.326126	0.886677	216.6458
3.644444	0.329964	0.915836	226.1487
3.733333	0.333801	0.945337	235.8536
3.822222	0.337639	0.975179	245.7616
3.911111	0.341477	1.005362	255.8737
4.000000	0.345315	1.035886	266.1910
4.088889	0.349152	1.066751	276.7146
4.177778	0.352990	1.097957	287.4457
4.266667	0.356828	1.129505	298.3853
4.355556	0.360666	1.161393	309.5347
4.444444	0.364504	1.193623	320.8948
4.533333	0.368342	1.226194	332.4670
4.622222	0.372180	1.259106	344.2523
4.711111	0.376018	1.292359	356.2518
4.800000	0.379856	1.325954	368.4669
4.888889	0.383694	1.359889	380.8985
4.977778	0.387532	1.394166	393.5480
5.066667	0.391370	1.428784	406.4165
5.155556	0.395208	1.463743	419.5051
5.244444	0.399046	1.499043	432.8151
5.333333	0.402884	1.534684	446.3476
5.422222	0.406722	1.570667	460.1038
5.511111	0.410560	1.606991	474.0850
5.600000	0.414399	1.643655	488.2923
5.688889	0.418237	1.680661	502.7268
5.777778	0.422075	1.718009	517.3899
5.866667	0.425913	1.755697	532.2827
5.955556	0.429752	1.793726	547.4063
6.044444	0.433590	1.832097	562.7621
6.133333	0.437428	1.870809	578.3511
6.222222	0.441266	1.909862	594.1746
6.311111	0.445105	1.949257	610.2337
6.400000	0.448943	1.988992	626.5298
6.488889	0.452782	2.029069	643.0638
6.577778	0.456620	2.069486	659.8372
6.666667	0.460458	2.110246	676.8510
6.755556	0.464297	2.151346	694.1064

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6.844444  0.468135  2.192787  711.6046
6.933333  0.471974  2.234570  729.3469
7.022222  0.475812  2.276694  747.3344
7.111111  0.479651  2.319159  765.5683
7.200000  0.483490  2.361965  784.0497
7.288889  0.487328  2.405112  802.7800
7.377778  0.491167  2.448601  821.7601
7.466667  0.495005  2.492431  840.9915
7.555556  0.498844  2.536602  860.4751
7.644444  0.502683  2.581114  880.2123
7.733333  0.506521  2.625968  900.2041
7.822222  0.510360  2.671163  920.4518
7.911111  0.514199  2.716699  940.9565
8.000000  0.518038  2.762576  961.7194
END FTABLE 16
FTABLE     23
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.044169  0.000000  0.000000
0.088889  0.045152  0.003970  0.766700
0.177778  0.046134  0.008027  2.403597
0.266667  0.047117  0.012171  4.670604
0.355556  0.048100  0.016403  7.466009
0.444444  0.049083  0.020723  10.72767
0.533333  0.050066  0.025129  14.41296
0.622222  0.051048  0.029623  18.49082
0.711111  0.052031  0.034204  22.93778
0.800000  0.053014  0.038873  27.73565
0.888889  0.053998  0.043629  32.87012
0.977778  0.054981  0.048473  38.32979
1.066667  0.055964  0.053404  44.10550
1.155556  0.056947  0.058422  50.18987
1.244444  0.057930  0.063527  56.57694
1.333333  0.058914  0.068721  63.26190
1.422222  0.059897  0.074001  70.24088
1.511111  0.060880  0.079369  77.51080
1.600000  0.061864  0.084824  85.06922
1.688889  0.062847  0.090367  92.91428
1.777778  0.063831  0.095997  101.0446
1.866667  0.064815  0.101715  109.4590
1.955556  0.065798  0.107520  118.1570
2.044444  0.066782  0.113412  127.1382
2.133333  0.067766  0.119392  136.4024
2.222222  0.068749  0.125459  145.9497
2.311111  0.069733  0.131614  155.7804
2.400000  0.070717  0.137856  165.8950
2.488889  0.071701  0.144186  176.2940
2.577778  0.072685  0.150603  186.9783
2.666667  0.073669  0.157108  197.9486
2.755556  0.074653  0.163700  209.2060
2.844444  0.075637  0.170380  220.7514
2.933333  0.076622  0.177147  232.5860
3.022222  0.077606  0.184001  244.7110
3.111111  0.078590  0.190943  257.1276
3.200000  0.079574  0.197973  269.8372
3.288889  0.080559  0.205090  282.8411
3.377778  0.081543  0.212294  296.1408
3.466667  0.082528  0.219586  309.7376
3.555556  0.083512  0.226966  323.6332
3.644444  0.084497  0.234433  337.8289
3.733333  0.085481  0.241988  352.3264
3.822222  0.086466  0.249630  367.1273
3.911111  0.087451  0.257359  382.2331
4.000000  0.088436  0.265177  397.6455
4.088889  0.089420  0.273081  413.3660
4.177778  0.090405  0.281074  429.3965
4.266667  0.091390  0.289153  445.7385
4.355556  0.092375  0.297321  462.3938
4.444444  0.093360  0.305576  479.3640
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4.533333  0.094345  0.313918  496.6509
4.622222  0.095330  0.322348  514.2561
4.711111  0.096315  0.330866  532.1815
4.800000  0.097301  0.339471  550.4288
4.888889  0.098286  0.348164  568.9996
4.977778  0.099271  0.356944  587.8959
5.066667  0.100257  0.365812  607.1192
5.155556  0.101242  0.374767  626.6715
5.244444  0.102227  0.383810  646.5544
5.333333  0.103213  0.392941  666.7697
5.422222  0.104198  0.402159  687.3193
5.511111  0.105184  0.411465  708.2049
5.600000  0.106170  0.420859  729.4282
5.688889  0.107155  0.430340  750.9911
5.777778  0.108141  0.439909  772.8953
5.866667  0.109127  0.449565  795.1426
5.955556  0.110113  0.459309  817.7349
6.044444  0.111099  0.469141  840.6738
6.133333  0.112084  0.479060  863.9612
6.222222  0.113070  0.489067  887.5989
6.311111  0.114056  0.499161  911.5886
6.400000  0.115043  0.509343  935.9322
6.488889  0.116029  0.519613  960.6314
6.577778  0.117015  0.529971  985.6880
6.666667  0.118001  0.540416  1011.104
6.755556  0.118987  0.550949  1036.881
6.844444  0.119974  0.561569  1063.020
6.933333  0.120960  0.572277  1089.524
7.022222  0.121946  0.583073  1116.394
7.111111  0.122933  0.593957  1143.633
7.200000  0.123919  0.604928  1171.241
7.288889  0.124906  0.615987  1199.221
7.377778  0.125892  0.627133  1227.574
7.466667  0.126879  0.638368  1256.303
7.555556  0.127866  0.649690  1285.408
7.644444  0.128853  0.661099  1314.892
7.733333  0.129839  0.672597  1344.757
7.822222  0.130826  0.684182  1375.003
7.911111  0.131813  0.695855  1405.634
8.000000  0.132800  0.707615  1436.650
END FTABLE 23
FTABLE     41
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.567034  0.000000  0.000000
0.333333  0.570817  0.189642  12.41798
0.666667  0.574600  0.380545  38.95156
1.000000  0.578383  0.572708  75.67561
1.333333  0.582166  0.766133  120.8681
1.666667  0.585949  0.960819  173.4294
2.000000  0.589732  1.156766  232.5666
2.333333  0.593515  1.353974  297.6696
2.666667  0.597299  1.552443  368.2504
3.000000  0.601082  1.752173  443.9073
3.333333  0.604865  1.953164  524.3034
3.666667  0.608649  2.155417  609.1517
4.000000  0.612432  2.358930  698.2049
4.333333  0.616215  2.563705  791.2479
4.666667  0.619999  2.769740  888.0918
5.000000  0.623782  2.977037  988.5702
5.333333  0.627566  3.185595  1092.535
5.666667  0.631349  3.395414  1199.854
6.000000  0.635133  3.606495  1310.410
6.333333  0.638916  3.818836  1424.096
6.666667  0.642700  4.032439  1540.815
7.000000  0.646484  4.247303  1660.482
7.333333  0.650267  4.463428  1783.018
7.666667  0.654051  4.680814  1908.350
8.000000  0.657835  4.899462  2036.413
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8.333333  0.661619  5.119371  2167.148
8.666667  0.665403  5.340541  2300.500
9.000000  0.669187  5.562973  2436.419
9.333333  0.672971  5.786666  2574.859
9.666667  0.676755  6.011620  2715.777
10.00000  0.680539  6.237836  2859.136
10.33333  0.684323  6.465312  3004.899
10.66667  0.688107  6.694051  3153.032
11.00000  0.691891  6.924050  3303.506
11.33333  0.695675  7.155311  3456.293
11.66667  0.699459  7.387834  3611.366
12.00000  0.703243  7.621617  3768.701
12.33333  0.707028  7.856663  3928.276
12.66667  0.710812  8.092969  4090.071
13.00000  0.714596  8.330537  4254.066
13.33333  0.718381  8.569367  4420.244
13.66667  0.722165  8.809458  4588.588
14.00000  0.725950  9.050810  4759.084
14.33333  0.729734  9.293424  4931.717
14.66667  0.733519  9.537299  5106.474
15.00000  0.737303  9.782436  5283.343
15.33333  0.741088  10.02883  5462.314
15.66667  0.744872  10.27649  5643.375
16.00000  0.748657  10.52542  5826.518
16.33333  0.752442  10.77560  6011.734
16.66667  0.756226  11.02704  6199.014
17.00000  0.760011  11.27975  6388.351
17.33333  0.763796  11.53372  6579.739
17.66667  0.767581  11.78895  6773.172
18.00000  0.771366  12.04544  6968.643
18.33333  0.775151  12.30319  7166.147
18.66667  0.778936  12.56221  7365.679
19.00000  0.782721  12.82248  7567.236
19.33333  0.786506  13.08402  7770.813
19.66667  0.790291  13.34682  7976.407
20.00000  0.794076  13.61088  8184.015
20.33333  0.797861  13.87620  8393.634
20.66667  0.801646  14.14279  8605.260
21.00000  0.805431  14.41063  8818.894
21.33333  0.809217  14.67974  9034.531
21.66667  0.813002  14.95011  9252.171
22.00000  0.816787  15.22174  9471.813
22.33333  0.820572  15.49464  9693.455
22.66667  0.824358  15.76879  9917.097
23.00000  0.828143  16.04421  10142.74
23.33333  0.831929  16.32089  10370.38
23.66667  0.835714  16.59883  10600.01
24.00000  0.839500  16.87803  10831.65
24.33333  0.843285  17.15849  11065.28
24.66667  0.847071  17.44022  11300.91
25.00000  0.850857  17.72321  11538.54
25.33333  0.854642  18.00746  11778.17
25.66667  0.858428  18.29297  12019.81
26.00000  0.862214  18.57974  12263.44
26.33333  0.866000  18.86778  12509.07
26.66667  0.869785  19.15708  12756.71
27.00000  0.873571  19.44764  13006.35
27.33333  0.877357  19.73946  13258.00
27.66667  0.881143  20.03254  13511.66
28.00000  0.884929  20.32689  13767.33
28.33333  0.888715  20.62249  14025.00
28.66667  0.892501  20.91936  14284.69
29.00000  0.896287  21.21749  14546.40
29.33333  0.900073  21.51689  14810.12
29.66667  0.903859  21.81754  15075.86
30.00000  0.907646  22.11946  15343.63
END FTABLE 41
FTABLE     42
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
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(ft)	(acres)	(acre-ft)	(cfs)	(ft/sec)	(Minutes)***
0.000000	0.567034	0.000000	0.000000		
0.333333	0.570817	0.189642	12.41798		
0.666667	0.574600	0.380545	38.95156		
1.000000	0.578383	0.572708	75.67561		
1.333333	0.582166	0.766133	120.8681		
1.666667	0.585949	0.960819	173.4294		
2.000000	0.589732	1.156766	232.5666		
2.333333	0.593515	1.353974	297.6696		
2.666667	0.597299	1.552443	368.2504		
3.000000	0.601082	1.752173	443.9073		
3.333333	0.604865	1.953164	524.3034		
3.666667	0.608649	2.155417	609.1517		
4.000000	0.612432	2.358930	698.2049		
4.333333	0.616215	2.563705	791.2479		
4.666667	0.619999	2.769740	888.0918		
5.000000	0.623782	2.977037	988.5702		
5.333333	0.627566	3.185595	1092.535		
5.666667	0.631349	3.395414	1199.854		
6.000000	0.635133	3.606495	1310.410		
6.333333	0.638916	3.818836	1424.096		
6.666667	0.642700	4.032439	1540.815		
7.000000	0.646484	4.247303	1660.482		
7.333333	0.650267	4.463428	1783.018		
7.666667	0.654051	4.680814	1908.350		
8.000000	0.657835	4.899462	2036.413		
8.333333	0.661619	5.119371	2167.148		
8.666667	0.665403	5.340541	2300.500		
9.000000	0.669187	5.562973	2436.419		
9.333333	0.672971	5.786666	2574.859		
9.666667	0.676755	6.011620	2715.777		
10.00000	0.680539	6.237836	2859.136		
10.33333	0.684323	6.465312	3004.899		
10.66667	0.688107	6.694051	3153.032		
11.00000	0.691891	6.924050	3303.506		
11.33333	0.695675	7.155311	3456.293		
11.66667	0.699459	7.387834	3611.366		
12.00000	0.703243	7.621617	3768.701		
12.33333	0.707028	7.856663	3928.276		
12.66667	0.710812	8.092969	4090.071		
13.00000	0.714596	8.330537	4254.066		
13.33333	0.718381	8.569367	4420.244		
13.66667	0.722165	8.809458	4588.588		
14.00000	0.725950	9.050810	4759.084		
14.33333	0.729734	9.293424	4931.717		
14.66667	0.733519	9.537299	5106.474		
15.00000	0.737303	9.782436	5283.343		
15.33333	0.741088	10.02883	5462.314		
15.66667	0.744872	10.27649	5643.375		
16.00000	0.748657	10.52542	5826.518		
16.33333	0.752442	10.77560	6011.734		
16.66667	0.756226	11.02704	6199.014		
17.00000	0.760011	11.27975	6388.351		
17.33333	0.763796	11.53372	6579.739		
17.66667	0.767581	11.78895	6773.172		
18.00000	0.771366	12.04544	6968.643		
18.33333	0.775151	12.30319	7166.147		
18.66667	0.778936	12.56221	7365.679		
19.00000	0.782721	12.82248	7567.236		
19.33333	0.786506	13.08402	7770.813		
19.66667	0.790291	13.34682	7976.407		
20.00000	0.794076	13.61088	8184.015		
20.33333	0.797861	13.87620	8393.634		
20.66667	0.801646	14.14279	8605.260		
21.00000	0.805431	14.41063	8818.894		
21.33333	0.809217	14.67974	9034.531		
21.66667	0.813002	14.95011	9252.171		
22.00000	0.816787	15.22174	9471.813		
22.33333	0.820572	15.49464	9693.455		
22.66667	0.824358	15.76879	9917.097		

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23.00000  0.828143  16.04421  10142.74
23.33333  0.831929  16.32089  10370.38
23.66667  0.835714  16.59883  10600.01
24.00000  0.839500  16.87803  10831.65
24.33333  0.843285  17.15849  11065.28
24.66667  0.847071  17.44022  11300.91
25.00000  0.850857  17.72321  11538.54
25.33333  0.854642  18.00746  11778.17
25.66667  0.858428  18.29297  12019.81
26.00000  0.862214  18.57974  12263.44
26.33333  0.866000  18.86778  12509.07
26.66667  0.869785  19.15708  12756.71
27.00000  0.873571  19.44764  13006.35
27.33333  0.877357  19.73946  13258.00
27.66667  0.881143  20.03254  13511.66
28.00000  0.884929  20.32689  13767.33
28.33333  0.888715  20.62249  14025.00
28.66667  0.892501  20.91936  14284.69
29.00000  0.896287  21.21749  14546.40
29.33333  0.900073  21.51689  14810.12
29.66667  0.903859  21.81754  15075.86
30.00000  0.907646  22.11946  15343.63
END FTABLE 42
FTABLE      4
  9    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  0.400000  23.00000
1.500000  1.700000  1.090000  54.00000
2.500000  1.800000  2.320000  96.00000
3.500000  2.000000  4.540000  144.0000
5.500000  2.200000  7.830000  195.0000
7.500000  3.600000  12.26000  258.0000
9.500000  4.200000  18.19000  324.0000
10.00000  4.500000  20.00000  999.0000
END FTABLE  4
FTABLE      5
 10    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  2.140000  251.0000
1.500000  1.700000  7.080000  520.0000
2.500000  1.800000  10.91000  640.0000
3.500000  2.000000  15.21000  768.0000
5.500000  2.200000  19.84000  880.0000
7.500000  3.600000  24.92000  960.0000
9.500000  4.200000  30.37000  1040.000
11.50000  5.900000  61.40000  1392.000
12.00000  6.500000  70.00000  9999.000
END FTABLE  5
FTABLE      6
 98    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  1.400000  0.014000  0.009000
0.200000  1.344000  0.105000  0.844000
0.400000  1.386000  0.272000  2.387000
0.600000  1.429000  0.448000  4.385000
0.800000  1.473000  0.633000  6.751000
1.000000  1.518000  0.828000  9.435000
1.200000  1.564000  1.034000  12.40300
1.400000  1.610000  1.248000  15.62900
1.600000  1.658000  1.473000  19.09500
1.800000  1.706000  1.707000  22.78500
2.000000  1.756000  1.951000  26.68600
2.200000  1.806000  2.204000  30.78800
2.400000  1.858000  2.468000  35.08000
```

2.600000	1.910000	2.741000	39.62800
2.800000	1.963000	3.023000	42.46200
3.000000	2.018000	3.316000	45.11800
3.200000	2.073000	3.618000	47.62700
3.400000	2.129000	3.930000	50.00900
3.600000	2.186000	4.251000	52.28400
3.800000	2.244000	4.583000	54.46300
4.000000	2.303000	4.924000	56.55900
4.200000	2.363000	5.274000	58.57900
4.400000	2.424000	5.635000	60.53200
4.600000	2.485000	6.005000	62.42400
4.800000	2.548000	6.385000	64.26100
5.000000	2.612000	6.774000	66.04600
5.200000	2.676000	7.174000	67.78500
5.400000	2.742000	7.583000	69.47900
5.600000	2.808000	8.001000	71.13400
5.800000	2.876000	8.430000	72.75100
6.000000	2.944000	8.868000	74.33200
6.200000	3.014000	9.316000	75.88100
6.400000	3.084000	9.773000	77.39900
6.600000	3.155000	10.24000	78.88800
6.800000	3.227000	10.71700	80.34900
7.000000	3.300000	11.20400	81.78400
7.200000	3.375000	11.70000	83.19400
7.400000	3.450000	12.20600	84.58000
7.600000	3.525000	12.72200	85.94500
7.800000	3.602000	13.24800	87.28800
8.000000	3.680000	13.78300	88.61000
8.200000	3.759000	14.32800	89.91300
8.400000	3.839000	14.88200	91.19800
8.600000	3.919000	15.44700	92.46500
8.800000	4.001000	16.02100	93.71400
9.000000	4.084000	16.60500	94.94700
9.200000	4.167000	17.19800	96.16500
9.400000	4.252000	17.80100	97.36700
9.600000	4.337000	18.41400	102.7660
9.800000	4.423000	19.03700	121.6140
10.00000	4.511000	19.66900	147.9800
10.20000	4.599000	20.31100	180.0440
10.40000	4.688000	20.96300	216.8960
10.60000	4.778000	21.62400	257.9600
10.80000	4.869000	22.29500	302.8310
11.00000	4.961000	22.97600	351.2000
11.20000	5.054000	23.66700	402.8250
11.40000	5.148000	24.36700	457.5060
11.60000	5.243000	25.07700	515.0770
11.80000	5.339000	25.79700	575.3970
12.00000	5.436000	26.52600	638.3440
12.20000	5.533000	27.26500	703.8090
12.40000	5.632000	28.01400	771.6970
12.60000	5.731000	28.77300	841.9230
12.80000	5.832000	29.54100	914.4110
13.00000	5.933000	30.31900	989.0900
13.20000	6.036000	31.10700	1065.897
13.40000	6.139000	31.90400	1144.774
13.60000	6.244000	32.71100	1225.666
13.80000	6.349000	33.52800	1308.525
14.00000	6.455000	34.35500	1393.302
14.20000	6.562000	35.19100	1479.957
14.40000	6.670000	36.03700	1568.447
14.60000	6.779000	36.89200	1658.736
14.80000	6.889000	37.75800	1750.788
15.00000	7.000000	38.63300	1844.568
15.20000	7.112000	39.51800	1940.046
15.40000	7.225000	40.41200	2037.191
15.60000	7.339000	41.31600	2135.975
15.80000	7.453000	42.23000	2236.371
16.00000	7.569000	43.15400	2338.352
16.20000	7.685000	44.08700	2441.896
16.40000	7.803000	45.03000	2546.977

```
  16.60000  7.921000  45.98300  2653.573
  16.80000  8.041000  46.94600  2761.664
  17.00000  8.161000  47.91800  2871.229
  17.20000  8.283000  48.90000  2982.247
  17.40000  8.405000  49.89100  3094.699
  17.60000  8.528000  50.89300  3208.569
  17.80000  8.652000  51.90400  3323.837
  18.00000  8.777000  52.92400  3440.487
  18.20000  8.903000  53.95500  3558.503
  18.40000  9.030000  54.99500  3677.869
  18.60000  9.158000  56.04500  3798.569
  18.80000  9.287000  57.10400  3920.590
  19.00000  9.417000  58.17400  4043.916
  19.20000  9.548000  59.25300  4168.534
  END FTABLE  6
  FTABLE      7
   11    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.500000  1.600000  0.030000  2.850000
  1.500000  1.700000  0.080000  4.270000
  2.500000  1.800000  0.170000  5.710000
  3.500000  2.000000  0.290000  6.840000
  5.500000  2.200000  0.450000  7.760000
  7.500000  3.600000  0.650000  13.30000
  9.500000  4.200000  0.900000  15.99000
  11.50000  5.900000  1.220000  18.17000
  16.50000  7.600000  1.600000  20.06000
  17.50000  8.000000  1.800000  999.0000
  END FTABLE  7
  FTABLE      8
    9    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.000000  0.000000  0.000000
  0.500000  1.600000  0.050000  2.100000
  1.500000  1.700000  0.180000  5.080000
  2.500000  1.800000  0.420000  8.720000
  3.500000  2.000000  0.770000  12.92000
  5.500000  2.200000  1.230000  29.14000
  7.500000  3.600000  1.800000  36.96000
  9.500000  4.200000  2.490000  43.21000
  10.00000  4.500000  2.700000  999.0000
  END FTABLE  8
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.091          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.091          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
WDM      1 EVAP     ENGL    1              IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7       SAME PERLND  58     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7       SAME PERLND  41     EXTNL  SURLI
WDM      1 EVAP     ENGL    1              RCHRES   4     EXTNL  POTEV
WDM      1 EVAP     ENGL    1              RCHRES   5     EXTNL  POTEV
WDM      1 EVAP     ENGL    1              RCHRES   6     EXTNL  POTEV
WDM      1 EVAP     ENGL    1              RCHRES   7     EXTNL  POTEV
WDM      1 EVAP     ENGL    1              RCHRES   8     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   # <Name>    tem strg strg***
RCHRES   9 HYDR   RO     1 1        1      WDM   1000 FLOW     ENGL      REPL
RCHRES   9 HYDR   STAGE  1 1        1      WDM   1001 STAG     ENGL      REPL
COPY   526 OUTPUT MEAN   1 1     12.1      WDM    526 FLOW     ENGL      REPL
```

```
RCHRES  20 HYDR   RO     1 1         1      WDM   1004 FLOW     ENGL      REPL
RCHRES  20 HYDR   STAGE  1 1         1      WDM   1005 STAG     ENGL      REPL
COPY   524 OUTPUT MEAN   1 1      12.1      WDM    524 FLOW     ENGL      REPL
RCHRES  24 HYDR   RO     1 1         1      WDM   1008 FLOW     ENGL      REPL
RCHRES  24 HYDR   STAGE  1 1         1      WDM   1009 STAG     ENGL      REPL
COPY   523 OUTPUT MEAN   1 1      12.1      WDM    523 FLOW     ENGL      REPL
RCHRES  26 HYDR   RO     1 1         1      WDM   1012 FLOW     ENGL      REPL
RCHRES  26 HYDR   STAGE  1 1         1      WDM   1013 STAG     ENGL      REPL
COPY   522 OUTPUT MEAN   1 1      12.1      WDM    522 FLOW     ENGL      REPL
RCHRES   1 HYDR   RO     1 1         1      WDM   1016 FLOW     ENGL      REPL
RCHRES   1 HYDR   STAGE  1 1         1      WDM   1017 STAG     ENGL      REPL
COPY   528 OUTPUT MEAN   1 1      12.1      WDM    528 FLOW     ENGL      REPL
COPY   527 OUTPUT MEAN   1 1      12.1      WDM    527 FLOW     ENGL      REPL
RCHRES  10 HYDR   RO     1 1         1      WDM   1020 FLOW     ENGL      REPL
RCHRES  10 HYDR   STAGE  1 1         1      WDM   1021 STAG     ENGL      REPL
COPY   525 OUTPUT MEAN   1 1      12.1      WDM    525 FLOW     ENGL      REPL
RCHRES  25 HYDR   RO     1 1         1      WDM   1030 FLOW     ENGL      REPL
RCHRES  25 HYDR   STAGE  1 1         1      WDM   1031 STAG     ENGL      REPL
COPY   521 OUTPUT MEAN   1 1      12.1      WDM    521 FLOW     ENGL      REPL
RCHRES  31 HYDR   RO     1 1         1      WDM   1034 FLOW     ENGL      REPL
RCHRES  31 HYDR   STAGE  1 1         1      WDM   1035 STAG     ENGL      REPL
COPY   520 OUTPUT MEAN   1 1      12.1      WDM    520 FLOW     ENGL      REPL
RCHRES  32 HYDR   RO     1 1         1      WDM   1040 FLOW     ENGL      REPL
RCHRES  32 HYDR   STAGE  1 1         1      WDM   1041 STAG     ENGL      REPL
COPY   517 OUTPUT MEAN   1 1      12.1      WDM    517 FLOW     ENGL      REPL
RCHRES  34 HYDR   RO     1 1         1      WDM   1044 FLOW     ENGL      REPL
RCHRES  34 HYDR   STAGE  1 1         1      WDM   1045 STAG     ENGL      REPL
COPY   506 OUTPUT MEAN   1 1      12.1      WDM    506 FLOW     ENGL      REPL
RCHRES  28 HYDR   RO     1 1         1      WDM   1046 FLOW     ENGL      REPL
RCHRES  28 HYDR   STAGE  1 1         1      WDM   1047 STAG     ENGL      REPL
COPY   507 OUTPUT MEAN   1 1      12.1      WDM    507 FLOW     ENGL      REPL
COPY   508 OUTPUT MEAN   1 1      12.1      WDM    508 FLOW     ENGL      REPL
COPY   513 OUTPUT MEAN   1 1      12.1      WDM    513 FLOW     ENGL      REPL
RCHRES  36 HYDR   RO     1 1         1      WDM   1066 FLOW     ENGL      REPL
RCHRES  36 HYDR   STAGE  1 1         1      WDM   1067 STAG     ENGL      REPL
COPY   505 OUTPUT MEAN   1 1      12.1      WDM    505 FLOW     ENGL      REPL
RCHRES  15 HYDR   RO     1 1         1      WDM   1068 FLOW     ENGL      REPL
RCHRES  15 HYDR   STAGE  1 1         1      WDM   1069 STAG     ENGL      REPL
COPY   511 OUTPUT MEAN   1 1      12.1      WDM    511 FLOW     ENGL      REPL
RCHRES  38 HYDR   RO     1 1         1      WDM   1070 FLOW     ENGL      REPL
RCHRES  38 HYDR   STAGE  1 1         1      WDM   1071 STAG     ENGL      REPL
COPY   503 OUTPUT MEAN   1 1      12.1      WDM    503 FLOW     ENGL      REPL
COPY   512 OUTPUT MEAN   1 1      12.1      WDM    512 FLOW     ENGL      REPL
COPY   510 OUTPUT MEAN   1 1      12.1      WDM    510 FLOW     ENGL      REPL
RCHRES  40 HYDR   RO     1 1         1      WDM   1076 FLOW     ENGL      REPL
RCHRES  40 HYDR   STAGE  1 1         1      WDM   1077 STAG     ENGL      REPL
COPY   502 OUTPUT MEAN   1 1      12.1      WDM    502 FLOW     ENGL      REPL
RCHRES  42 HYDR   RO     1 1         1      WDM   1078 FLOW     ENGL      REPL
RCHRES  42 HYDR   STAGE  1 1         1      WDM   1079 STAG     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1      12.1      WDM    501 FLOW     ENGL      REPL
COPY   509 OUTPUT MEAN   1 1      12.1      WDM    509 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>             <Name> # #<-factor->     <Name>                <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK        6
RCHRES     ROFLOW                          RCHRES         INFLOW
```

```
  END MASS-LINK    6

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

Mitigated UCI File

```
RUN

GLOBAL
  WWHM4 model simulation
  START       1964 10 01        END    2004 09 30
  RUN INTERP OUTPUT LEVEL    3    0
  RESUME     0 RUN     1                    UNIT SYSTEM     1
END GLOBAL

FILES
<File>  <Un#>   <-----------File Name------------------------------>***
<-ID->                                                              ***
WDM         26   Folsom SOI_networked_ver 9-10a.wdm
MESSU       25   MitFolsom SOI_networked_ver 9-10a.MES
            27   MitFolsom SOI_networked_ver 9-10a.L61
            28   MitFolsom SOI_networked_ver 9-10a.L62
            30   POCFolsom SOI_networked_ver 9-10a1.dat
            31   POCFolsom SOI_networked_ver 9-10a2.dat
            32   POCFolsom SOI_networked_ver 9-10a3.dat
            33   POCFolsom SOI_networked_ver 9-10a4.dat
            34   POCFolsom SOI_networked_ver 9-10a5.dat
            35   POCFolsom SOI_networked_ver 9-10a6.dat
            36   POCFolsom SOI_networked_ver 9-10a7.dat
            37   POCFolsom SOI_networked_ver 9-10a8.dat
            38   POCFolsom SOI_networked_ver 9-10a9.dat
            39   POCFolsom SOI_networked_ver 9-10a10.dat
            40   POCFolsom SOI_networked_ver 9-10a11.dat
            41   POCFolsom SOI_networked_ver 9-10a12.dat
            42   POCFolsom SOI_networked_ver 9-10a13.dat
            43   POCFolsom SOI_networked_ver 9-10a14.dat
            44   POCFolsom SOI_networked_ver 9-10a15.dat
            45   POCFolsom SOI_networked_ver 9-10a16.dat
            46   POCFolsom SOI_networked_ver 9-10a17.dat
            47   POCFolsom SOI_networked_ver 9-10a18.dat
            48   POCFolsom SOI_networked_ver 9-10a19.dat
            49   POCFolsom SOI_networked_ver 9-10a20.dat
            50   POCFolsom SOI_networked_ver 9-10a21.dat
            51   POCFolsom SOI_networked_ver 9-10a22.dat
END FILES

OPN SEQUENCE
    INGRP               INDELT 00:60
      PERLND      51
      PERLND      59
      IMPLND       3
      PERLND      58
      PERLND      50
      IMPLND       2
      PERLND      60
      PERLND      52
      IMPLND       4
      PERLND      49
      PERLND      42
      PERLND      34
      PERLND      17
      PERLND      25
      PERLND      41
      PERLND      57
      IMPLND       1
      PERLND      43
      PERLND      35
      PERLND      33
      PERLND      27
      PERLND      19
      RCHRES       1
      RCHRES       2
      RCHRES       3
      RCHRES       4
```

```
RCHRES       5
RCHRES       6
RCHRES       7
RCHRES       8
RCHRES       9
RCHRES      10
RCHRES      11
RCHRES      12
RCHRES      13
RCHRES      14
RCHRES      15
RCHRES      16
RCHRES      17
RCHRES      18
RCHRES      19
RCHRES      20
RCHRES      21
RCHRES      22
RCHRES      23
RCHRES      24
RCHRES      25
RCHRES      26
RCHRES      27
RCHRES      28
RCHRES      29
RCHRES      30
RCHRES      31
RCHRES      32
RCHRES      33
RCHRES      34
RCHRES      35
RCHRES      36
RCHRES      37
RCHRES      38
RCHRES      39
RCHRES      40
RCHRES      41
RCHRES      42
RCHRES      43
RCHRES      44
RCHRES      45
RCHRES      46
RCHRES      47
RCHRES      48
RCHRES      49
RCHRES      50
RCHRES      51
RCHRES      52
RCHRES      53
RCHRES      54
RCHRES      55
RCHRES      56
RCHRES      57
RCHRES      58
RCHRES      59
RCHRES      60
RCHRES      61
RCHRES      62
RCHRES      63
RCHRES      64
RCHRES      65
RCHRES      66
RCHRES      67
RCHRES      68
RCHRES      69
RCHRES      70
RCHRES      71
COPY         8
COPY       508
COPY        13
```

```
      COPY       513
      COPY        10
      COPY       510
      COPY         9
      COPY       509
      COPY        26
      COPY       526
      COPY        28
      COPY       528
      COPY        12
      COPY       512
      COPY        27
      COPY       527
      COPY        11
      COPY       511
      COPY        24
      COPY       524
      COPY        25
      COPY       525
      COPY        23
      COPY       523
      COPY         7
      COPY       507
      COPY        22
      COPY       522
      COPY        21
      COPY       521
      COPY        20
      COPY       520
      COPY        17
      COPY       517
      COPY         6
      COPY       506
      COPY         5
      COPY       505
      COPY         3
      COPY       503
      COPY         2
      COPY       502
      COPY         1
      COPY       501
      DISPLY       8
      DISPLY      13
      DISPLY      10
      DISPLY       9
      DISPLY      26
      DISPLY      28
      DISPLY      12
      DISPLY      27
      DISPLY      11
      DISPLY      24
      DISPLY      25
      DISPLY      23
      DISPLY       7
      DISPLY      22
      DISPLY      21
      DISPLY      20
      DISPLY      17
      DISPLY       6
      DISPLY       5
      DISPLY       3
      DISPLY       2
      DISPLY       1
    END INGRP
END OPN SEQUENCE
DISPLY
  DISPLY-INFO1
    # -  #<----------Title----------->***TRAN PIVL DIG1 FIL1  PYR DIG2 FIL2 YRND
    8        HMB 8b                     MAX                   1    2   37    9
   13        HMB 13                     MAX                   1    2   42    9
```

```
   10        HMB 10                      MAX                  1    2   39    9
    9        HMB 9                       MAX                  1    2   38    9
   26        POC 26                      MAX                  1    2   55    9
   28        POC 28                      MAX                  1    2   57    9
   12        DB 2                        MAX                  1    2   41    9
   27        DB 9 (was 10)               MAX                  1    2   56    9
   11        POC 11                      MAX                  1    2   40    9
   24        POC 24                      MAX                  1    2   53    9
   25        POC 25                      MAX                  1    2   54    9
   23        POC 23                      MAX                  1    2   52    9
    7        POC 7                       MAX                  1    2   36    9
   22        DB 7 (was 8)                MAX                  1    2   51    9
   21        DB 6 (was 7)                MAX                  1    2   50    9
   20        POC 20                      MAX                  1    2   49    9
   17        POC 17/18                   MAX                  1    2   46    9
    6        POC 6                       MAX                  1    2   35    9
    5        POC 5                       MAX                  1    2   34    9
    3        POC 3/4                     MAX                  1    2   32    9
    2        POC 2                       MAX                  1    2   31    9
    1        POC 1                       MAX                  1    2   30    9
  END DISPLY-INFO1
END DISPLY
COPY
  TIMESERIES
    # -  #  NPT  NMN ***
    1         1    1
    8         1    1
  508         1    1
   13         1    1
  513         1    1
   10         1    1
  510         1    1
    9         1    1
  509         1    1
   26         1    1
  526         1    1
   28         1    1
  528         1    1
   12         1    1
  512         1    1
   27         1    1
  527         1    1
   11         1    1
  511         1    1
   24         1    1
  524         1    1
   25         1    1
  525         1    1
   23         1    1
  523         1    1
    7         1    1
  507         1    1
   22         1    1
  522         1    1
   21         1    1
  521         1    1
   20         1    1
  520         1    1
   17         1    1
  517         1    1
    6         1    1
  506         1    1
    5         1    1
  505         1    1
    3         1    1
  503         1    1
    2         1    1
  502         1    1
  501         1    1
  END TIMESERIES
```

```
END COPY
GENER
  OPCODE
    #    # OPCD ***
  END OPCODE
  PARM
    #    #         K ***
  END PARM
END GENER
PERLND
  GEN-INFO
    <PLS ><-------Name------->NBLKS   Unit-systems   Printer ***
    # -  #                          User  t-series Engl Metr ***
                                        in  out              ***
   51     D,Grass,Steep(2-5%)     1    1    1    1   27    0
   59     D,Urban,Steep(2-5%)     1    1    1    1   27    0
   58     D,Urban,Mod (1-2%)      1    1    1    1   27    0
   50     D,Grass,Mod (1-2%)      1    1    1    1   27    0
   60     D,Urban,VSteep(>5%)     1    1    1    1   27    0
   52     D,Grass,VSteep(>5%)     1    1    1    1   27    0
   49     D,Grass,Flat(0-1%)      1    1    1    1   27    0
   42     C,Urban,Mod (1-2%)      1    1    1    1   27    0
   34     C,Grass,Mod (1-2%)      1    1    1    1   27    0
   17     B,Grass,Flat(0-1%)      1    1    1    1   27    0
   25     B,Urban,Flat(0-1%)      1    1    1    1   27    0
   41     C,Urban,Flat(0-1%)      1    1    1    1   27    0
   57     D,Urban,Flat(0-1%)      1    1    1    1   27    0
   43     C,Urban,Steep(2-5%)     1    1    1    1   27    0
   35     C,Grass,Steep(2-5%)     1    1    1    1   27    0
   33     C,Grass,Flat(0-1%)      1    1    1    1   27    0
   27     B,Urban,Steep(2-5%)     1    1    1    1   27    0
   19     B,Grass,Steep(2-5%)     1    1    1    1   27    0
  END GEN-INFO
  *** Section PWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC ***
   51         0    0    1    0    0    0    0    0    0    0    0    0
   59         0    0    1    0    0    0    0    0    0    0    0    0
   58         0    0    1    0    0    0    0    0    0    0    0    0
   50         0    0    1    0    0    0    0    0    0    0    0    0
   60         0    0    1    0    0    0    0    0    0    0    0    0
   52         0    0    1    0    0    0    0    0    0    0    0    0
   49         0    0    1    0    0    0    0    0    0    0    0    0
   42         0    0    1    0    0    0    0    0    0    0    0    0
   34         0    0    1    0    0    0    0    0    0    0    0    0
   17         0    0    1    0    0    0    0    0    0    0    0    0
   25         0    0    1    0    0    0    0    0    0    0    0    0
   41         0    0    1    0    0    0    0    0    0    0    0    0
   57         0    0    1    0    0    0    0    0    0    0    0    0
   43         0    0    1    0    0    0    0    0    0    0    0    0
   35         0    0    1    0    0    0    0    0    0    0    0    0
   33         0    0    1    0    0    0    0    0    0    0    0    0
   27         0    0    1    0    0    0    0    0    0    0    0    0
   19         0    0    1    0    0    0    0    0    0    0    0    0
  END ACTIVITY

  PRINT-INFO
    <PLS > ***************** Print-flags ***************************** PIVL  PYR
    # -  # ATMP SNOW PWAT  SED  PST  PWG PQAL MSTL PEST NITR PHOS TRAC  *********
   51         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   59         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   58         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   50         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   60         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   52         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   49         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   42         0    0    4    0    0    0    0    0    0    0    0    0    1    9
   34         0    0    4    0    0    0    0    0    0    0    0    0    1    9
```

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 17          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 25          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 41          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 57          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 43          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 35          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 33          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 27          0    0    4    0    0    0    0    0    0    0    0    0    1    9
 19          0    0    4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

PWAT-PARM1
  <PLS >  PWATER variable monthly parameter value flags  ***
  # -   # CSNO RTOP UZFG  VCS  VUZ  VNN VIFW VIRC  VLE INFC  HWT ***
 51          0    0    0    1    0    0    0    0    1    0    0
 59          0    0    0    1    0    0    0    0    1    0    0
 58          0    0    0    1    0    0    0    0    1    0    0
 50          0    0    0    1    0    0    0    0    1    0    0
 60          0    0    0    1    0    0    0    0    1    0    0
 52          0    0    0    1    0    0    0    0    1    0    0
 49          0    0    0    1    0    0    0    0    1    0    0
 42          0    0    0    1    0    0    0    0    1    0    0
 34          0    0    0    1    0    0    0    0    1    0    0
 17          0    0    0    1    0    0    0    0    1    0    0
 25          0    0    0    1    0    0    0    0    1    0    0
 41          0    0    0    1    0    0    0    0    1    0    0
 57          0    0    0    1    0    0    0    0    1    0    0
 43          0    0    0    1    0    0    0    0    1    0    0
 35          0    0    0    1    0    0    0    0    1    0    0
 33          0    0    0    1    0    0    0    0    1    0    0
 27          0    0    0    1    0    0    0    0    1    0    0
 19          0    0    0    1    0    0    0    0    1    0    0
END PWAT-PARM1

PWAT-PARM2
  <PLS >      PWATER input info: Part 2          ***
  # -   # ***FOREST      LZSN     INFILT      LSUR     SLSUR      KVARY      AGWRC
 51             0       4.3      0.025       400      0.05          3       0.92
 59             0      4.35      0.015       400      0.05          3       0.92
 58             0       4.4      0.018       400      0.02          3       0.92
 50             0      4.35      0.028       400      0.02          3       0.92
 60             0      4.25       0.01       350       0.1          3       0.92
 52             0       4.2       0.02       350       0.1          3       0.92
 49             0       4.4       0.03       400      0.01          3       0.92
 42             0       4.4       0.03       400      0.02          3       0.92
 34             0      4.45      0.043       400      0.02          3       0.92
 17             0       4.7      0.065       400      0.01          3       0.92
 25             0       4.6       0.05       400      0.01          3       0.92
 41             0      4.45      0.035       400      0.01          3       0.92
 57             0      4.45       0.02       400      0.01          3       0.92
 43             0      4.35      0.025       400      0.05          3       0.92
 35             0       4.4       0.04       400      0.05          3       0.92
 33             0       4.5      0.045       400      0.01          3       0.92
 27             0       4.5       0.04       400      0.05          3       0.92
 19             0       4.6      0.055       400      0.05          3       0.92
END PWAT-PARM2

PWAT-PARM3
  <PLS >      PWATER input info: Part 3          ***
  # -   # ***PETMAX     PETMIN     INFEXP     INFILD     DEEPFR     BASETP     AGWETP
 51            40         35          2          2          0          0       0.05
 59            40         35          2          2          0          0       0.05
 58            40         35          2          2          0          0       0.05
 50            40         35          2          2          0          0       0.05
 60            40         35          2          2          0          0       0.05
 52            40         35          2          2          0          0       0.05
 49            40         35          2          2          0          0       0.05
 42            40         35          2          2          0          0       0.05
 34            40         35          2          2          0          0       0.05
 17            40         35          2          2          0          0       0.05
```

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 25              40          35          2           2           0           0       0.05
 41              40          35          2           2           0           0       0.05
 57              40          35          2           2           0           0       0.05
 43              40          35          2           2           0           0       0.05
 35              40          35          2           2           0           0       0.05
 33              40          35          2           2           0           0       0.05
 27              40          35          2           2           0           0       0.05
 19              40          35          2           2           0           0       0.05
END PWAT-PARM3
PWAT-PARM4
  <PLS >     PWATER input info: Part 4                                        ***
  # -  #      CEPSC       UZSN       NSUR      INTFW        IRC      LZETP ***
 51               0       0.27       0.25        0.6       0.45          0
 59               0       0.27       0.25       0.45       0.37          0
 58               0       0.28       0.25       0.48       0.38          0
 50               0       0.28       0.25       0.65       0.48          0
 60               0       0.25       0.25       0.35       0.35          0
 52               0       0.25       0.25        0.5        0.4          0
 49               0        0.3       0.25        0.7        0.5          0
 42               0       0.28       0.25       0.48       0.38          0
 34               0       0.28       0.25       0.65       0.48          0
 17               0       0.35       0.25        1.5        0.5          0
 25               0       0.35       0.25          1        0.4          0
 41               0        0.3       0.25        0.5        0.4          0
 57               0        0.3       0.25        0.5        0.4          0
 43               0       0.27       0.25       0.45       0.37          0
 35               0       0.27       0.25        0.6       0.45          0
 33               0        0.3       0.25        0.7        0.5          0
 27               0       0.32       0.25        0.8       0.37          0
 19               0       0.32       0.25        1.4       0.45          0
END PWAT-PARM4
MON-LZETPARM
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 51      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 59      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 58      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 50      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 60      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 52      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 49      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 42      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 34      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 17      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 25      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 41      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 57      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 43      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 35      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 33      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
 27      0.5  0.5  0.5  0.6 0.65 0.65 0.65 0.65 0.65 0.65 0.55  0.5
 19      0.4  0.4  0.4 0.45  0.5 0.55 0.55 0.55 0.55 0.55 0.45  0.4
END MON-LZETPARM
MON-INTERCEP
  <PLS >      PWATER input info: Part 3          ***
  # -  #  JAN  FEB  MAR  APR  MAY  JUN  JUL  AUG  SEP  OCT  NOV  DEC  ***
 51     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 59     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 58     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 50     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 60     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 52     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 49     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 42     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 34     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 17     0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
 25     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 41     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 57     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
 43     0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
```

```
   35      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   33      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
   27      0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11
   19      0.12 0.12 0.12 0.11  0.1  0.1  0.1  0.1  0.1  0.1 0.11 0.12
  END MON-INTERCEP

  PWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
               ran from 1990 to end of 1992 (pat 1-11-95) RUN 21 ***
    # -  # ***  CEPS      SURS       UZS       IFWS       LZS       AGWS       GWVS
   51             0         0      0.15          0         4       0.05          0
   59             0         0      0.15          0         4       0.05          0
   58             0         0      0.15          0         4       0.05          0
   50             0         0      0.15          0         4       0.05          0
   60             0         0      0.15          0         4       0.05          0
   52             0         0      0.15          0         4       0.05          0
   49             0         0      0.15          0         4       0.05          0
   42             0         0      0.15          0         4       0.05          0
   34             0         0      0.15          0         4       0.05          0
   17             0         0      0.15          0         4       0.05          0
   25             0         0      0.15          0         4       0.05          0
   41             0         0      0.15          0         4       0.05          0
   57             0         0      0.15          0         4       0.05          0
   43             0         0      0.15          0         4       0.05          0
   35             0         0      0.15          0         4       0.05          0
   33             0         0      0.15          0         4       0.05          0
   27             0         0      0.15          0         4       0.05          0
   19             0         0      0.15          0         4       0.05          0
  END PWAT-STATE1

END PERLND

IMPLND
  GEN-INFO
    <PLS ><-------Name-------->  Unit-systems   Printer ***
    # -  #                     User  t-series Engl Metr ***
                                   in  out           ***
    3     Imperv,Steep(2-5%)      1    1    1   27    0
    2     Imperv,Mod (1-2%)       1    1    1   27    0
    4     Imperv,VSteep(>5%)      1    1    1   27    0
    1     Imperv,Flat(0-1%)       1    1    1   27    0
  END GEN-INFO
  *** Section IWATER***

  ACTIVITY
    <PLS > ************ Active Sections ******************************
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL   ***
    3         0    0    1    0    0    0
    2         0    0    1    0    0    0
    4         0    0    1    0    0    0
    1         0    0    1    0    0    0
  END ACTIVITY

  PRINT-INFO
    <ILS > ******** Print-flags ******** PIVL  PYR
    # -  # ATMP SNOW IWAT  SLD  IWG IQAL    *********
    3         0    0    4    0    0    0    1    9
    2         0    0    4    0    0    0    1    9
    4         0    0    4    0    0    0    1    9
    1         0    0    4    0    0    0    1    9
  END PRINT-INFO

  IWAT-PARM1
    <PLS >  IWATER variable monthly parameter value flags  ***
    # -  # CSNO RTOP  VRS  VNN RTLI     ***
    3         0    0    0    0    0
    2         0    0    0    0    0
    4         0    0    0    0    0
    1         0    0    0    0    0
  END IWAT-PARM1
```

```
  IWAT-PARM2
    <PLS >       IWATER input info: Part 2         ***
    # -  # ***  LSUR     SLSUR      NSUR     RETSC
    3            100      0.05      0.05     0.095
    2            100      0.02      0.05       0.1
    4            100       0.1      0.05      0.09
    1            100      0.01      0.05       0.1
  END IWAT-PARM2

  IWAT-PARM3
    <PLS >       IWATER input info: Part 3         ***
    # -  # ***PETMAX    PETMIN
    3              0         0
    2              0         0
    4              0         0
    1              0         0
  END IWAT-PARM3

  IWAT-STATE1
    <PLS > *** Initial conditions at start of simulation
    # -  # ***  RETS      SURS
    3              0         0
    2              0         0
    4              0         0
    1              0         0
  END IWAT-STATE1

END IMPLND

SCHEMATIC
<-Source->                 <--Area-->     <-Target->   MBLK    ***
<Name>   #                 <-factor->     <Name>   #   Tbl#    ***
SB 21***
PERLND  51                    13.25     RCHRES   1      2
PERLND  51                    13.25     RCHRES   1      3
PERLND  59                    69.15     RCHRES   1      2
PERLND  59                    69.15     RCHRES   1      3
IMPLND   3                    47.85     RCHRES   1      5
Open space***
PERLND  51                    30.73     RCHRES  32      2
PERLND  51                    30.73     RCHRES  32      3
SB 7***
PERLND  59                    49.36     RCHRES   2      2
PERLND  59                    49.36     RCHRES   2      3
PERLND  51                     6.15     RCHRES   2      2
PERLND  51                     6.15     RCHRES   2      3
IMPLND   3                    46.69     RCHRES   2      5
Basin  4***
PERLND  51                   252.32     RCHRES  47      2
PERLND  51                   252.32     RCHRES  47      3
SB 8***
PERLND  58                     3.13     RCHRES   3      2
PERLND  58                     3.13     RCHRES   3      3
PERLND  50                     0.47     RCHRES   3      2
PERLND  50                     0.47     RCHRES   3      3
IMPLND   2                     4.75     RCHRES   3      5
SB 57 (partial)***
PERLND  50                     5.38     RCHRES  50      2
PERLND  50                     5.38     RCHRES  50      3
SB 22***
PERLND  58                    74.08     RCHRES   4      2
PERLND  58                    74.08     RCHRES   4      3
PERLND  50                    15.14     RCHRES   4      2
PERLND  50                    15.14     RCHRES   4      3
IMPLND   2                    88.98     RCHRES   4      5
SB 57 (partial)***
PERLND  50                    14.19     RCHRES  55      2
PERLND  50                    14.19     RCHRES  55      3
Offsite (SB 94 95 96)***
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PERLND  50                    71.54     RCHRES  52      2
PERLND  50                    71.54     RCHRES  52      3
SB 17***
PERLND  59                    44.03     RCHRES   5      2
PERLND  59                    44.03     RCHRES   5      3
PERLND  51                     6.47     RCHRES   5      2
PERLND  51                     6.47     RCHRES   5      3
IMPLND   3                    21.85     RCHRES   5      5
SB 48 62 70 85***
PERLND  49                    30.86     RCHRES  60      2
PERLND  49                    30.86     RCHRES  60      3
SB 5***
PERLND  58                    31.39     RCHRES   8      2
PERLND  58                    31.39     RCHRES   8      3
PERLND  50                    13.35     RCHRES   8      2
PERLND  50                    13.35     RCHRES   8      3
IMPLND   2                    38.65     RCHRES   8      5
SB 58***
PERLND  51                    18.44     RCHRES  33      2
PERLND  51                    18.44     RCHRES  33      3
SB 6***
PERLND  60                    38.63     RCHRES   6      2
PERLND  60                    38.63     RCHRES   6      3
PERLND  52                    11.55     RCHRES   6      2
PERLND  52                    11.55     RCHRES   6      3
IMPLND   4                    66.69     RCHRES   6      5
SB 28***
PERLND  59                     5.02     RCHRES   7      2
PERLND  59                     5.02     RCHRES   7      3
PERLND  51                    24.93     RCHRES   7      2
PERLND  51                    24.93     RCHRES   7      3
IMPLND   3                     9.39     RCHRES   7      5
SB 69 83***
PERLND  51                     7.51     RCHRES  48      2
PERLND  51                     7.51     RCHRES  48      3
SB 47***
PERLND  51                    14.74     RCHRES  54      2
PERLND  51                    14.74     RCHRES  54      3
Basin  20***
PERLND  50                   409.47     RCHRES   9      2
PERLND  50                   409.47     RCHRES   9      3
SB 19***
PERLND  58                    42.13     RCHRES  11      2
PERLND  58                    42.13     RCHRES  11      3
PERLND  50                     2.33     RCHRES  11      2
PERLND  50                     2.33     RCHRES  11      3
IMPLND   2                    46.65     RCHRES  11      5
SB 61***
PERLND  49                    34.49     RCHRES  34      2
PERLND  49                    34.49     RCHRES  34      3
SB 71 74 43***
PERLND  50                    38.53     RCHRES  10      2
PERLND  50                    38.53     RCHRES  10      3
SB 51 52***
PERLND  49                    12.55     RCHRES  61      2
PERLND  49                    12.55     RCHRES  61      3
SB 9***
PERLND  58                    51.68     RCHRES  12      2
PERLND  58                    51.68     RCHRES  12      3
PERLND  50                     9.96     RCHRES  12      2
PERLND  50                     9.96     RCHRES  12      3
IMPLND   2                    53.08     RCHRES  12      5
SB 1***
PERLND  59                    97.16     RCHRES  13      2
PERLND  59                    97.16     RCHRES  13      3
PERLND  51                    45.43     RCHRES  13      2
PERLND  51                    45.43     RCHRES  13      3
IMPLND   3                    325.6     RCHRES  13      5
SB 86***
PERLND  50                     5.75     RCHRES  51      2
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PERLND  50                    5.75     RCHRES  51      3
SB 4***
PERLND  58                    7.68     RCHRES  14      2
PERLND  58                    7.68     RCHRES  14      3
PERLND  50                    1.57     RCHRES  14      2
PERLND  50                    1.57     RCHRES  14      3
IMPLND   2                    2.59     RCHRES  14      5
SB 41 42***
PERLND  50                    5.69     RCHRES  42      2
PERLND  50                    5.69     RCHRES  42      3
SB 75 35***
PERLND  50                   36.37     RCHRES  35      2
PERLND  50                   36.37     RCHRES  35      3
SB 26***
PERLND  58                   12.15     RCHRES  15      2
PERLND  58                   12.15     RCHRES  15      3
PERLND  50                     2.1     RCHRES  15      2
PERLND  50                     2.1     RCHRES  15      3
IMPLND   2                   10.18     RCHRES  15      5
SB 84***
PERLND  49                    71.8     RCHRES  62      2
PERLND  49                    71.8     RCHRES  62      3
SB 54***
PERLND  51                    6.82     RCHRES  53      2
PERLND  51                    6.82     RCHRES  53      3
SB 16***
PERLND  58                   29.89     RCHRES  16      2
PERLND  58                   29.89     RCHRES  16      3
PERLND  50                    5.43     RCHRES  16      2
PERLND  50                    5.43     RCHRES  16      3
IMPLND   2                   85.24     RCHRES  16      5
SB 55***
PERLND  50                   18.02     RCHRES  36      2
PERLND  50                   18.02     RCHRES  36      3
SB 53 88***
PERLND  50                   14.29     RCHRES  63      2
PERLND  50                   14.29     RCHRES  63      3
PERLND  49                   44.52     RCHRES  63      2
PERLND  49                   44.52     RCHRES  63      3
SB 23 111***
PERLND  50                   12.06     RCHRES  17      2
PERLND  50                   12.06     RCHRES  17      3
PERLND  58                    8.01     RCHRES  17      2
PERLND  58                    8.01     RCHRES  17      3
IMPLND   2                   12.28     RCHRES  17      5
SB 79 90 80***
PERLND  50                   75.72     RCHRES  64      2
PERLND  50                   75.72     RCHRES  64      3
SB 34***
PERLND  49                   22.67     RCHRES  39      2
PERLND  49                   22.67     RCHRES  39      3
SB 27***
PERLND  58                   50.67     RCHRES  18      2
PERLND  58                   50.67     RCHRES  18      3
PERLND  50                    3.96     RCHRES  18      2
PERLND  50                    3.96     RCHRES  18      3
IMPLND   2                   27.63     RCHRES  18      5
SB 30***
PERLND  42                    0.31     RCHRES  19      2
PERLND  42                    0.31     RCHRES  19      3
PERLND  58                    0.81     RCHRES  19      2
PERLND  58                    0.81     RCHRES  19      3
PERLND  34                     1.4     RCHRES  19      2
PERLND  34                     1.4     RCHRES  19      3
PERLND  50                    0.16     RCHRES  19      2
PERLND  50                    0.16     RCHRES  19      3
IMPLND   2                   10.18     RCHRES  19      5
SB 50 (part 2)***
PERLND  51                   11.79     RCHRES  49      2
PERLND  51                   11.79     RCHRES  49      3
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SB 29***
PERLND  58                      10.87     RCHRES  20      2
PERLND  58                      10.87     RCHRES  20      3
IMPLND   2                       3.62     RCHRES  20      5
SB 25***
PERLND  17                      24.11     RCHRES  21      2
PERLND  17                      24.11     RCHRES  21      3
PERLND  25                       3.73     RCHRES  21      2
PERLND  25                       3.73     RCHRES  21      3
PERLND  41                       0.05     RCHRES  21      2
PERLND  41                       0.05     RCHRES  21      3
PERLND  49                      10.93     RCHRES  21      2
PERLND  49                      10.93     RCHRES  21      3
PERLND  57                      39.69     RCHRES  21      2
PERLND  57                      39.69     RCHRES  21      3
IMPLND   1                      21.86     RCHRES  21      5
SB 3***
PERLND  43                       9.91     RCHRES  22      2
PERLND  43                       9.91     RCHRES  22      3
PERLND  59                       4.04     RCHRES  22      2
PERLND  59                       4.04     RCHRES  22      3
PERLND  35                       2.93     RCHRES  22      2
PERLND  35                       2.93     RCHRES  22      3
PERLND  51                        2.1     RCHRES  22      2
PERLND  51                        2.1     RCHRES  22      3
IMPLND   3                      11.32     RCHRES  22      5
SB 112 76 89 56 49***
PERLND  51                      73.24     RCHRES  44      2
PERLND  51                      73.24     RCHRES  44      3
SB 50 (part1)***
PERLND  51                       15.9     RCHRES  45      2
PERLND  51                       15.9     RCHRES  45      3
SB 91 40 73***
PERLND  33                      13.23     RCHRES  66      2
PERLND  33                      13.23     RCHRES  66      3
PERLND  49                      12.16     RCHRES  66      2
PERLND  49                      12.16     RCHRES  66      3
SB 81***
PERLND  50                       8.17     RCHRES  37      2
PERLND  50                       8.17     RCHRES  37      3
IMPLND   1                       1.59     RCHRES  37      5
SB 44 37***
PERLND  33                       0.55     RCHRES  38      2
PERLND  33                       0.55     RCHRES  38      3
PERLND  49                       7.92     RCHRES  38      2
PERLND  49                       7.92     RCHRES  38      3
IMPLND   1                       1.51     RCHRES  38      5
SB 2***
PERLND  42                       0.53     RCHRES  23      2
PERLND  42                       0.53     RCHRES  23      3
PERLND  50                       0.27     RCHRES  23      2
PERLND  50                       0.27     RCHRES  23      3
PERLND  58                       1.17     RCHRES  23      2
PERLND  58                       1.17     RCHRES  23      3
PERLND  34                       0.11     RCHRES  23      2
PERLND  34                       0.11     RCHRES  23      3
IMPLND   2                      15.27     RCHRES  23      5
SB 38***
PERLND  49                       0.36     RCHRES  68      2
PERLND  49                       0.36     RCHRES  68      3
PERLND  33                      14.08     RCHRES  68      2
PERLND  33                      14.08     RCHRES  68      3
SB 78***
PERLND  33                      15.88     RCHRES  71      2
PERLND  33                      15.88     RCHRES  71      3
PERLND  49                      10.26     RCHRES  71      2
PERLND  49                      10.26     RCHRES  71      3
IMPLND   1                       6.14     RCHRES  71      5
SB 72 39***
PERLND  33                       6.52     RCHRES  40      2
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PERLND  33                    6.52     RCHRES  40      3
PERLND  35                    7.36     RCHRES  40      2
PERLND  35                    7.36     RCHRES  40      3
HMB 1***
PERLND  27                    0.07     RCHRES  24      2
PERLND  27                    0.07     RCHRES  24      3
PERLND  43                    8.65     RCHRES  24      2
PERLND  43                    8.65     RCHRES  24      3
PERLND  59                    0.19     RCHRES  24      2
PERLND  59                    0.19     RCHRES  24      3
PERLND  19                    3.48     RCHRES  24      2
PERLND  19                    3.48     RCHRES  24      3
PERLND  35                    1.55     RCHRES  24      2
PERLND  35                    1.55     RCHRES  24      3
IMPLND   3                    3.08     RCHRES  24      5
Urban 104***
PERLND  58                    16.7     RCHRES  42      2
PERLND  58                    16.7     RCHRES  42      3
IMPLND   2                   12.67     RCHRES  42      5
Off-site 105***
PERLND  58                   80.76     RCHRES  25      2
PERLND  58                   80.76     RCHRES  25      3
IMPLND   2                  276.25     RCHRES  25      5
Off-site 103***
PERLND  58                  437.79     RCHRES  26      2
PERLND  58                  437.79     RCHRES  26      3
IMPLND   2                  604.61     RCHRES  26      5
SB 102***
PERLND  58                  188.16     RCHRES  27      2
PERLND  58                  188.16     RCHRES  27      3
IMPLND   2                  160.24     RCHRES  27      5
SB 98 110 (urban)***
PERLND  58                    1.89     RCHRES  69      2
PERLND  58                    1.89     RCHRES  69      3
PERLND  41                    0.03     RCHRES  69      2
PERLND  41                    0.03     RCHRES  69      3
PERLND  57                     0.1     RCHRES  69      2
PERLND  57                     0.1     RCHRES  69      3
PERLND  33                    1.16     RCHRES  69      2
PERLND  33                    1.16     RCHRES  69      3
PERLND  49                     0.5     RCHRES  69      2
PERLND  49                     0.5     RCHRES  69      3
IMPLND   1                    1.21     RCHRES  69      5
IMPLND   2                   17.01     RCHRES  69      5
SB 99***
PERLND  58                    1.01     RCHRES  46      2
PERLND  58                    1.01     RCHRES  46      3
IMPLND   2                    6.49     RCHRES  46      5
SB 101***
PERLND  58                    3.14     RCHRES  28      2
PERLND  58                    3.14     RCHRES  28      3
IMPLND   2                   16.56     RCHRES  28      5
SB 100***
PERLND  58                    3.51     RCHRES  29      2
PERLND  58                    3.51     RCHRES  29      3
IMPLND   2                   21.89     RCHRES  29      5
SB31***
PERLND  42                    4.05     RCHRES  30      2
PERLND  42                    4.05     RCHRES  30      3
PERLND  34                   12.84     RCHRES  30      2
PERLND  34                   12.84     RCHRES  30      3
PERLND  58                    0.66     RCHRES  30      2
PERLND  58                    0.66     RCHRES  30      3
PERLND  50                    2.82     RCHRES  30      2
PERLND  50                    2.82     RCHRES  30      3
IMPLND   2                   38.87     RCHRES  30      5
SB 59***
PERLND  52                   30.03     RCHRES  41      2
PERLND  52                   30.03     RCHRES  41      3
SB 36***
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PERLND  58                      48.07     RCHRES  31      2
PERLND  58                      48.07     RCHRES  31      3
PERLND  50                       5.89     RCHRES  31      2
PERLND  50                       5.89     RCHRES  31      3
IMPLND   2                     104.21     RCHRES  31      5
SB 46***
PERLND  43                      10.53     RCHRES  43      2
PERLND  43                      10.53     RCHRES  43      3

******Routing******
RCHRES  32                          1     COPY    24     16
RCHRES  32                                RCHRES  47      6
PERLND  51                      30.73     COPY    26     12
PERLND  51                      30.73     COPY    26     13
RCHRES   1                          1     RCHRES  32      6
RCHRES   1                                COPY    26     16
RCHRES  47                          1     COPY    23     16
RCHRES  47                                RCHRES  50      6
PERLND  51                     252.32     COPY    24     12
PERLND  51                     252.32     COPY    24     13
RCHRES   2                          1     RCHRES  47      6
RCHRES   2                                COPY    24     16
RCHRES  50                          1     RCHRES  52      6
RCHRES   3                          1     RCHRES  50      6
RCHRES   3                                COPY    23     16
PERLND  50                       5.38     COPY    23     12
PERLND  50                       5.38     COPY    23     13
RCHRES  52                          1     RCHRES  55      6
RCHRES  52                                COPY    22     16
RCHRES   4                          1     RCHRES  55      6
RCHRES   4                                COPY    22     16
PERLND  50                      14.19     COPY    22     12
PERLND  50                      14.19     COPY    22     13
RCHRES  33                          1     RCHRES  43      6
RCHRES   5                          1     RCHRES  33      6
RCHRES   5                                COPY    28     16
PERLND  51                      18.44     COPY    28     12
PERLND  51                      18.44     COPY    28     13
RCHRES   6                          1     RCHRES  41      6
RCHRES   6                                COPY    27     16
RCHRES  48                          1     RCHRES  54      6
RCHRES   7                          1     RCHRES  48      6
RCHRES   7                                COPY    25     16
PERLND  51                       7.51     COPY    25     12
PERLND  51                       7.51     COPY    25     13
RCHRES  54                          1     RCHRES  57      6
RCHRES  54                                COPY    21     16
RCHRES  43                          1     RCHRES  54      6
RCHRES  56                          1     RCHRES  60      6
RCHRES  56                                COPY    20     16
RCHRES  59                          1     RCHRES  60      6
RCHRES  59                                COPY    20     16
RCHRES  60                          1     COPY    17     16
RCHRES  60                                RCHRES  61      6
PERLND  49                      30.86     COPY    20     12
PERLND  49                      30.86     COPY    20     13
RCHRES   8                          1     RCHRES  60      6
RCHRES   8                                COPY    20     16
RCHRES  61                          1     RCHRES  62      6
RCHRES  34                          1     RCHRES  61      6
RCHRES  34                                COPY    17     16
RCHRES   9                          1     RCHRES  34      6
RCHRES  10                          1     RCHRES  61      6
RCHRES  10                                COPY    17     16
RCHRES  11                          1     RCHRES  61      6
RCHRES  11                                COPY    17     16
PERLND  49                      12.55     COPY    17     12
PERLND  49                      12.55     COPY    17     13
RCHRES  12                          1     RCHRES  61      6
RCHRES  12                                COPY    17     16
```

RCHRES	63	1	RCHRES	64	6
RCHRES	62	1	RCHRES	63	6
RCHRES	62		COPY	6	16
RCHRES	51	1	RCHRES	53	6
RCHRES	53	1	RCHRES	63	6
RCHRES	53		COPY	6	16
RCHRES	13	1	RCHRES	36	6
PERLND	59	97.16	COPY	8	12
PERLND	51	45.43	COPY	8	12
IMPLND	3	325.6	COPY	8	15
PERLND	59	97.16	COPY	8	13
PERLND	51	45.43	COPY	8	13
PERLND	50	5.75	COPY	7	12
PERLND	50	5.75	COPY	7	13
RCHRES	14	1	RCHRES	51	6
RCHRES	14		COPY	7	16
RCHRES	42	1	RCHRES	51	6
RCHRES	42		COPY	7	16
RCHRES	35	1	RCHRES	63	6
RCHRES	35		COPY	6	16
RCHRES	15	1	RCHRES	35	6
PERLND	58	12.15	COPY	13	12
PERLND	50	2.1	COPY	13	12
IMPLND	2	10.18	COPY	13	15
PERLND	58	12.15	COPY	13	13
PERLND	50	2.1	COPY	13	13
RCHRES	16	1	RCHRES	63	6
RCHRES	16		COPY	6	16
RCHRES	36	1	RCHRES	51	6
RCHRES	36		COPY	7	16
PERLND	50	14.29	COPY	6	12
PERLND	49	44.52	COPY	6	12
PERLND	50	14.29	COPY	6	13
PERLND	49	44.52	COPY	6	13
RCHRES	64	1	RCHRES	65	6
RCHRES	64		COPY	5	16
RCHRES	17	1	RCHRES	65	6
RCHRES	17		COPY	5	16
RCHRES	37	1	RCHRES	65	6
RCHRES	37		COPY	5	16
RCHRES	65	1	RCHRES	66	6
RCHRES	66	1	RCHRES	67	6
RCHRES	66		COPY	3	16
RCHRES	67	1	RCHRES	68	6
RCHRES	38	1	RCHRES	67	6
RCHRES	38		COPY	3	16
RCHRES	44	1	RCHRES	66	6
RCHRES	39	1	RCHRES	44	6
RCHRES	18	1	RCHRES	39	6
RCHRES	18		COPY	12	16
PERLND	49	22.67	COPY	12	12
PERLND	49	22.67	COPY	12	13
RCHRES	19	1	RCHRES	67	6
RCHRES	19		COPY	3	16
RCHRES	49	1	RCHRES	67	6
RCHRES	49		COPY	3	16
RCHRES	45	1	RCHRES	49	6
RCHRES	20	1	RCHRES	45	6
RCHRES	20		COPY	11	16
PERLND	17	24.11	COPY	10	12
PERLND	25	3.73	COPY	10	12
PERLND	41	0.05	COPY	10	12
PERLND	49	10.93	COPY	10	12
PERLND	57	39.69	COPY	10	12
IMPLND	1	21.86	COPY	10	15
PERLND	17	24.11	COPY	10	13
PERLND	25	3.73	COPY	10	13
PERLND	41	0.05	COPY	10	13
PERLND	49	10.93	COPY	10	13
PERLND	57	39.69	COPY	10	13

RCHRES	22		1	RCHRES	67	6
RCHRES	22			COPY	3	16
PERLND	51		15.9	COPY	11	12
PERLND	51		15.9	COPY	11	13
RCHRES	69		1	RCHRES	70	6
RCHRES	23		1	RCHRES	69	6
RCHRES	23			COPY	2	16
RCHRES	68		1	RCHRES	69	6
RCHRES	68			COPY	2	16
RCHRES	40		1	RCHRES	69	6
RCHRES	40			COPY	2	16
RCHRES	70		1	RCHRES	71	6
RCHRES	70			COPY	1	16
RCHRES	46		1	RCHRES	70	6
PERLND	33		15.88	COPY	1	12
PERLND	49		10.26	COPY	1	12
IMPLND	1		6.14	COPY	1	15
PERLND	33		15.88	COPY	1	13
PERLND	49		10.26	COPY	1	13
RCHRES	24		1	RCHRES	40	6
PERLND	27		0.07	COPY	9	12
PERLND	43		8.65	COPY	9	12
PERLND	59		0.19	COPY	9	12
PERLND	19		3.48	COPY	9	12
PERLND	35		1.55	COPY	9	12
IMPLND	3		3.08	COPY	9	15
PERLND	27		0.07	COPY	9	13
PERLND	43		8.65	COPY	9	13
PERLND	59		0.19	COPY	9	13
PERLND	19		3.48	COPY	9	13
PERLND	35		1.55	COPY	9	13
RCHRES	25		1	RCHRES	42	6
RCHRES	26		1	RCHRES	37	6
RCHRES	27		1	RCHRES	38	6
PERLND	58		1.89	COPY	2	12
PERLND	41		0.03	COPY	2	12
PERLND	57		0.1	COPY	2	12
PERLND	33		1.16	COPY	2	12
PERLND	49		0.5	COPY	2	12
IMPLND	1		1.21	COPY	2	15
IMPLND	2		17.01	COPY	2	15
PERLND	58		1.89	COPY	2	13
PERLND	41		0.03	COPY	2	13
PERLND	57		0.1	COPY	2	13
PERLND	33		1.16	COPY	2	13
PERLND	49		0.5	COPY	2	13
RCHRES	28		1	RCHRES	46	6
RCHRES	29		1	RCHRES	46	6
RCHRES	30		1	RCHRES	71	6
RCHRES	30			COPY	1	16
PERLND	52		30.03	COPY	27	12
PERLND	52		30.03	COPY	27	13
RCHRES	41		1	COPY	25	16
RCHRES	41			RCHRES	48	6
RCHRES	31		1	RCHRES	57	6
RCHRES	31			COPY	21	16
RCHRES	57		1	RCHRES	58	6
RCHRES	58		1	RCHRES	59	6
RCHRES	55		1	RCHRES	56	6
RCHRES	32		1	COPY	526	16
RCHRES	47		1	COPY	524	16
RCHRES	50		1	COPY	523	16
RCHRES	33		1	COPY	528	16
RCHRES	48		1	COPY	525	16
RCHRES	60		1	COPY	520	16
RCHRES	61		1	COPY	517	16
RCHRES	63		1	COPY	506	16
RCHRES	51		1	COPY	507	16
RCHRES	13		1	COPY	508	16
RCHRES	15		1	COPY	513	16

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RCHRES  65                          1     COPY   505     16
RCHRES  67                          1     COPY   503     16
RCHRES  39                          1     COPY   512     16
RCHRES  45                          1     COPY   511     16
RCHRES  21                          1     COPY   510     16
RCHRES  69                          1     COPY   502     16
RCHRES  71                          1     COPY   501     16
RCHRES  24                          1     COPY   509     16
RCHRES  41                          1     COPY   527     16
RCHRES  57                          1     COPY   521     16
RCHRES  55                          1     COPY   522     16
END SCHEMATIC

NETWORK
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
COPY   508 OUTPUT MEAN   1 1   12.1        DISPLY   8     INPUT  TIMSER 1
COPY   513 OUTPUT MEAN   1 1   12.1        DISPLY  13     INPUT  TIMSER 1
COPY   510 OUTPUT MEAN   1 1   12.1        DISPLY  10     INPUT  TIMSER 1
COPY   509 OUTPUT MEAN   1 1   12.1        DISPLY   9     INPUT  TIMSER 1
COPY   526 OUTPUT MEAN   1 1   12.1        DISPLY  26     INPUT  TIMSER 1
COPY   528 OUTPUT MEAN   1 1   12.1        DISPLY  28     INPUT  TIMSER 1
COPY   512 OUTPUT MEAN   1 1   12.1        DISPLY  12     INPUT  TIMSER 1
COPY   527 OUTPUT MEAN   1 1   12.1        DISPLY  27     INPUT  TIMSER 1
COPY   511 OUTPUT MEAN   1 1   12.1        DISPLY  11     INPUT  TIMSER 1
COPY   524 OUTPUT MEAN   1 1   12.1        DISPLY  24     INPUT  TIMSER 1
COPY   525 OUTPUT MEAN   1 1   12.1        DISPLY  25     INPUT  TIMSER 1
COPY   523 OUTPUT MEAN   1 1   12.1        DISPLY  23     INPUT  TIMSER 1
COPY   507 OUTPUT MEAN   1 1   12.1        DISPLY   7     INPUT  TIMSER 1
COPY   522 OUTPUT MEAN   1 1   12.1        DISPLY  22     INPUT  TIMSER 1
COPY   521 OUTPUT MEAN   1 1   12.1        DISPLY  21     INPUT  TIMSER 1
COPY   520 OUTPUT MEAN   1 1   12.1        DISPLY  20     INPUT  TIMSER 1
COPY   517 OUTPUT MEAN   1 1   12.1        DISPLY  17     INPUT  TIMSER 1
COPY   506 OUTPUT MEAN   1 1   12.1        DISPLY   6     INPUT  TIMSER 1
COPY   505 OUTPUT MEAN   1 1   12.1        DISPLY   5     INPUT  TIMSER 1
COPY   503 OUTPUT MEAN   1 1   12.1        DISPLY   3     INPUT  TIMSER 1
COPY   502 OUTPUT MEAN   1 1   12.1        DISPLY   2     INPUT  TIMSER 1
COPY   501 OUTPUT MEAN   1 1   12.1        DISPLY   1     INPUT  TIMSER 1


<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   #        <Name> # #<-factor->strg <Name>   #   #        <Name> # #  ***
END NETWORK

RCHRES
  GEN-INFO
    RCHRES       Name        Nexits   Unit Systems   Printer                ***
    # -  #<----------------><---> User T-series  Engl Metr LKFG             ***
                                        in  out                             ***
    1     HMB 24 (was 26)         1    1    1    1   28    0    1
    2     HMB 22 (was 24)         1    1    1    1   28    0    1
    3     HMB 21 (was 23)         1    1    1    1   28    0    1
    4     HMB 20 (was 22)         1    1    1    1   28    0    1
    5     HMB 26 (was 28)         1    1    1    1   28    0    1
    6     HMB 25 (was 27)         1    1    1    1   28    0    1
    7     HMB 23 (was 25)         1    1    1    1   28    0    1
    8     HMB 18 (was 19 a-080    1    1    1    1   28    0    1
    9     Offsite 97              1    1    1    1   28    0    1
   10     SB 17 SF                1    1    1    1   28    0    1
   11     HMB 17 (was 18)         1    1    1    1   28    0    1
   12     HMB 16 (was 17)         1    1    1    1   28    0    1
   13     HMB 8b                  1    1    1    1   28    0    1
   14     HMB 7                   1    1    1    1   28    0    1
   15     HMB 13                  1    1    1    1   28    0    1
   16     HMB 6                   1    1    1    1   28    0    1
   17     HMB 5                   1    1    1    1   28    0    1
   18     HMB 12                  1    1    1    1   28    0    1
   19     HMB 4                   1    1    1    1   28    0    1
   20     HMB 11                  1    1    1    1   28    0    1
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 21     HMB 10                  1    1    1    1   28    0    1
 22     HMB 3                   1    1    1    1   28    0    1
 23     HMB 2                   1    1    1    1   28    0    1
 24     HMB 9                   1    1    1    1   28    0    1
 25     Urban 105               1    1    1    1   28    0    1
 26     Urban 103               1    1    1    1   28    0    1
 27     Urban 102               1    1    1    1   28    0    1
 28     Urban 101               1    1    1    1   28    0    1
 29     Urban 100               1    1    1    1   28    0    1
 30     HMB One                 1    1    1    1   28    0    1
 31     HMB 19 WQ (was 2-276    1    1    1    1   28    0    1
 32     POC 26                  1    1    1    1   28    0    1
 33     POC 28                  1    1    1    1   28    0    1
 34     SB 18 SF                1    1    1    1   28    0    1
 35     Channel  13            1    1    1    1   28    0    1
 36     Channel 8               1    1    1    1   28    0    1
 37     Urban 2                 1    1    1    1   28    0    1
 38     Urban 3                 1    1    1    1   28    0    1
 39     DB 2                    1    1    1    1   28    0    1
 40     Trib 9                  1    1    1    1   28    0    1
 41     DB 9 (was 10)           1    1    1    1   28    0    1
 42     Urban 1                 1    1    1    1   28    0    1
 43     POC 21 SF               1    1    1    1   28    0    1
 44     Channel  12            1    1    1    1   28    0    1
 45     POC 11                  1    1    1    1   28    0    1
 46     Urban 4                 1    1    1    1   28    0    1
 47     POC 24                  1    1    1    1   28    0    1
 48     POC 25                  1    1    1    1   28    0    1
 49     SF POC 3/4              1    1    1    1   28    0    1
 50     POC 23                  1    1    1    1   28    0    1
 51     POC 7                   1    1    1    1   28    0    1
 52     POC 22                  1    1    1    1   28    0    1
 53     NF                      1    1    1    1   28    0    1
 54     POC 21                  1    1    1    1   28    0    1
 55     DB 7 (was 8)            1    1    1    1   28    0    1
 56     POC 20 SF               1    1    1    1   28    0    1
 57     DB 6 (was 7)            1    1    1    1   28    0    1
 58     POC 20 NF               1    1    1    1   28    0    1
 59     POC 20 NF2              1    1    1    1   28    0    1
 60     POC 20                  1    1    1    1   28    0    1
 61     POC 17/18               1    1    1    1   28    0    1
 62     SF                      1    1    1    1   28    0    1
 63     POC 6                   1    1    1    1   28    0    1
 64     Upstream POC 5          1    1    1    1   28    0    1
 65     POC 5                   1    1    1    1   28    0    1
 66     Upstream POC 3/4-157    1    1    1    1   28    0    1
 67     POC 3/4                 1    1    1    1   28    0    1
 68     upstream POC 2          1    1    1    1   28    0    1
 69     POC 2                   1    1    1    1   28    0    1
 70     upstream POC 1          1    1    1    1   28    0    1
 71     POC 1                   1    1    1    1   28    0    1
END GEN-INFO
*** Section RCHRES***

ACTIVITY
  <PLS > ************ Active Sections ******************************
  # -  # HYFG ADFG CNFG HTFG SDFG GQFG OXFG NUFG PKFG PHFG ***
  1         1    0    0    0    0    0    0    0    0    0
  2         1    0    0    0    0    0    0    0    0    0
  3         1    0    0    0    0    0    0    0    0    0
  4         1    0    0    0    0    0    0    0    0    0
  5         1    0    0    0    0    0    0    0    0    0
  6         1    0    0    0    0    0    0    0    0    0
  7         1    0    0    0    0    0    0    0    0    0
  8         1    0    0    0    0    0    0    0    0    0
  9         1    0    0    0    0    0    0    0    0    0
 10         1    0    0    0    0    0    0    0    0    0
 11         1    0    0    0    0    0    0    0    0    0
 12         1    0    0    0    0    0    0    0    0    0
 13         1    0    0    0    0    0    0    0    0    0
```

```
 14          1    0    0    0    0    0    0    0    0    0
 15          1    0    0    0    0    0    0    0    0    0
 16          1    0    0    0    0    0    0    0    0    0
 17          1    0    0    0    0    0    0    0    0    0
 18          1    0    0    0    0    0    0    0    0    0
 19          1    0    0    0    0    0    0    0    0    0
 20          1    0    0    0    0    0    0    0    0    0
 21          1    0    0    0    0    0    0    0    0    0
 22          1    0    0    0    0    0    0    0    0    0
 23          1    0    0    0    0    0    0    0    0    0
 24          1    0    0    0    0    0    0    0    0    0
 25          1    0    0    0    0    0    0    0    0    0
 26          1    0    0    0    0    0    0    0    0    0
 27          1    0    0    0    0    0    0    0    0    0
 28          1    0    0    0    0    0    0    0    0    0
 29          1    0    0    0    0    0    0    0    0    0
 30          1    0    0    0    0    0    0    0    0    0
 31          1    0    0    0    0    0    0    0    0    0
 32          1    0    0    0    0    0    0    0    0    0
 33          1    0    0    0    0    0    0    0    0    0
 34          1    0    0    0    0    0    0    0    0    0
 35          1    0    0    0    0    0    0    0    0    0
 36          1    0    0    0    0    0    0    0    0    0
 37          1    0    0    0    0    0    0    0    0    0
 38          1    0    0    0    0    0    0    0    0    0
 39          1    0    0    0    0    0    0    0    0    0
 40          1    0    0    0    0    0    0    0    0    0
 41          1    0    0    0    0    0    0    0    0    0
 42          1    0    0    0    0    0    0    0    0    0
 43          1    0    0    0    0    0    0    0    0    0
 44          1    0    0    0    0    0    0    0    0    0
 45          1    0    0    0    0    0    0    0    0    0
 46          1    0    0    0    0    0    0    0    0    0
 47          1    0    0    0    0    0    0    0    0    0
 48          1    0    0    0    0    0    0    0    0    0
 49          1    0    0    0    0    0    0    0    0    0
 50          1    0    0    0    0    0    0    0    0    0
 51          1    0    0    0    0    0    0    0    0    0
 52          1    0    0    0    0    0    0    0    0    0
 53          1    0    0    0    0    0    0    0    0    0
 54          1    0    0    0    0    0    0    0    0    0
 55          1    0    0    0    0    0    0    0    0    0
 56          1    0    0    0    0    0    0    0    0    0
 57          1    0    0    0    0    0    0    0    0    0
 58          1    0    0    0    0    0    0    0    0    0
 59          1    0    0    0    0    0    0    0    0    0
 60          1    0    0    0    0    0    0    0    0    0
 61          1    0    0    0    0    0    0    0    0    0
 62          1    0    0    0    0    0    0    0    0    0
 63          1    0    0    0    0    0    0    0    0    0
 64          1    0    0    0    0    0    0    0    0    0
 65          1    0    0    0    0    0    0    0    0    0
 66          1    0    0    0    0    0    0    0    0    0
 67          1    0    0    0    0    0    0    0    0    0
 68          1    0    0    0    0    0    0    0    0    0
 69          1    0    0    0    0    0    0    0    0    0
 70          1    0    0    0    0    0    0    0    0    0
 71          1    0    0    0    0    0    0    0    0    0
END ACTIVITY

PRINT-INFO
  <PLS > ****************** Print-flags ******************* PIVL  PYR
  # -  # HYDR ADCA CONS HEAT  SED  GQL OXRX NUTR PLNK PHCB PIVL  PYR  *********
  1          4    0    0    0    0    0    0    0    0    0    1    9
  2          4    0    0    0    0    0    0    0    0    0    1    9
  3          4    0    0    0    0    0    0    0    0    0    1    9
  4          4    0    0    0    0    0    0    0    0    0    1    9
  5          4    0    0    0    0    0    0    0    0    0    1    9
  6          4    0    0    0    0    0    0    0    0    0    1    9
  7          4    0    0    0    0    0    0    0    0    0    1    9
```

```
  8         4    0    0    0    0    0    0    0    0    0    1    9
  9         4    0    0    0    0    0    0    0    0    0    1    9
 10         4    0    0    0    0    0    0    0    0    0    1    9
 11         4    0    0    0    0    0    0    0    0    0    1    9
 12         4    0    0    0    0    0    0    0    0    0    1    9
 13         4    0    0    0    0    0    0    0    0    0    1    9
 14         4    0    0    0    0    0    0    0    0    0    1    9
 15         4    0    0    0    0    0    0    0    0    0    1    9
 16         4    0    0    0    0    0    0    0    0    0    1    9
 17         4    0    0    0    0    0    0    0    0    0    1    9
 18         4    0    0    0    0    0    0    0    0    0    1    9
 19         4    0    0    0    0    0    0    0    0    0    1    9
 20         4    0    0    0    0    0    0    0    0    0    1    9
 21         4    0    0    0    0    0    0    0    0    0    1    9
 22         4    0    0    0    0    0    0    0    0    0    1    9
 23         4    0    0    0    0    0    0    0    0    0    1    9
 24         4    0    0    0    0    0    0    0    0    0    1    9
 25         4    0    0    0    0    0    0    0    0    0    1    9
 26         4    0    0    0    0    0    0    0    0    0    1    9
 27         4    0    0    0    0    0    0    0    0    0    1    9
 28         4    0    0    0    0    0    0    0    0    0    1    9
 29         4    0    0    0    0    0    0    0    0    0    1    9
 30         4    0    0    0    0    0    0    0    0    0    1    9
 31         4    0    0    0    0    0    0    0    0    0    1    9
 32         4    0    0    0    0    0    0    0    0    0    1    9
 33         4    0    0    0    0    0    0    0    0    0    1    9
 34         4    0    0    0    0    0    0    0    0    0    1    9
 35         4    0    0    0    0    0    0    0    0    0    1    9
 36         4    0    0    0    0    0    0    0    0    0    1    9
 37         4    0    0    0    0    0    0    0    0    0    1    9
 38         4    0    0    0    0    0    0    0    0    0    1    9
 39         4    0    0    0    0    0    0    0    0    0    1    9
 40         4    0    0    0    0    0    0    0    0    0    1    9
 41         4    0    0    0    0    0    0    0    0    0    1    9
 42         4    0    0    0    0    0    0    0    0    0    1    9
 43         4    0    0    0    0    0    0    0    0    0    1    9
 44         4    0    0    0    0    0    0    0    0    0    1    9
 45         4    0    0    0    0    0    0    0    0    0    1    9
 46         4    0    0    0    0    0    0    0    0    0    1    9
 47         4    0    0    0    0    0    0    0    0    0    1    9
 48         4    0    0    0    0    0    0    0    0    0    1    9
 49         4    0    0    0    0    0    0    0    0    0    1    9
 50         4    0    0    0    0    0    0    0    0    0    1    9
 51         4    0    0    0    0    0    0    0    0    0    1    9
 52         4    0    0    0    0    0    0    0    0    0    1    9
 53         4    0    0    0    0    0    0    0    0    0    1    9
 54         4    0    0    0    0    0    0    0    0    0    1    9
 55         4    0    0    0    0    0    0    0    0    0    1    9
 56         4    0    0    0    0    0    0    0    0    0    1    9
 57         4    0    0    0    0    0    0    0    0    0    1    9
 58         4    0    0    0    0    0    0    0    0    0    1    9
 59         4    0    0    0    0    0    0    0    0    0    1    9
 60         4    0    0    0    0    0    0    0    0    0    1    9
 61         4    0    0    0    0    0    0    0    0    0    1    9
 62         4    0    0    0    0    0    0    0    0    0    1    9
 63         4    0    0    0    0    0    0    0    0    0    1    9
 64         4    0    0    0    0    0    0    0    0    0    1    9
 65         4    0    0    0    0    0    0    0    0    0    1    9
 66         4    0    0    0    0    0    0    0    0    0    1    9
 67         4    0    0    0    0    0    0    0    0    0    1    9
 68         4    0    0    0    0    0    0    0    0    0    1    9
 69         4    0    0    0    0    0    0    0    0    0    1    9
 70         4    0    0    0    0    0    0    0    0    0    1    9
 71         4    0    0    0    0    0    0    0    0    0    1    9
END PRINT-INFO

HYDR-PARM1
  RCHRES  Flags for each HYDR Section                                    ***
  # -  #  VC A1 A2 A3  ODFVFG for each *** ODGTFG for each     FUNCT  for each
         FG FG FG FG  possible  exit  *** possible  exit      possible  exit
```

	*	*	*	*	*	*	*	*	*	*	*	*	*	*		***				
1	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
2	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
3	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
4	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
5	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
6	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
7	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
8	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
9	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
10	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
11	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
12	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
13	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
14	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
15	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
16	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
17	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
18	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
19	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
20	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
21	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
22	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
23	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
24	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
25	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
26	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
27	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
28	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
29	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
30	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
31	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
32	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
33	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
34	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
35	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
36	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
37	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
38	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
39	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
40	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
41	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
42	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
43	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
44	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
45	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
46	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
47	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
48	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
49	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
50	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
51	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
52	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
53	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
54	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
55	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
56	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
57	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
58	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
59	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
60	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
61	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
62	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
63	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
64	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
65	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
66	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
67	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
68	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2
69	0	1	0	0	4	0	0	0	0	0	0	0	0	0	2	2	2	2	2

```
 70        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
 71        0  1  0  0    4  0  0  0  0       0  0  0  0  0       2  2  2  2  2
END HYDR-PARM1

HYDR-PARM2
  # -  #    FTABNO       LEN      DELTH     STCOR        KS       DB50        ***
<------><--------><--------><--------><--------><--------><-------->        ***
  1              1      0.01        0.0       0.0       0.5       0.0
  2              2      0.01        0.0       0.0       0.5       0.0
  3              3      0.01        0.0       0.0       0.5       0.0
  4              4      0.01        0.0       0.0       0.5       0.0
  5              5      0.01        0.0       0.0       0.5       0.0
  6              6      0.01        0.0       0.0       0.5       0.0
  7              7      0.01        0.0       0.0       0.5       0.0
  8              8      0.01        0.0       0.0       0.5       0.0
  9              9      1.05        0.0       0.0       0.5       0.0
 10             10      0.28        0.0       0.0       0.5       0.0
 11             11      0.01        0.0       0.0       0.5       0.0
 12             12      0.01        0.0       0.0       0.5       0.0
 13             13      0.01        0.0       0.0       0.5       0.0
 14             14      0.01        0.0       0.0       0.5       0.0
 15             15      0.01        0.0       0.0       0.5       0.0
 16             16      0.01        0.0       0.0       0.5       0.0
 17             17      0.01        0.0       0.0       0.5       0.0
 18             18      0.01        0.0       0.0       0.5       0.0
 19             19      0.01        0.0       0.0       0.5       0.0
 20             20      0.01        0.0       0.0       0.5       0.0
 21             21      0.01        0.0       0.0       0.5       0.0
 22             22      0.01        0.0       0.0       0.5       0.0
 23             23      0.01        0.0       0.0       0.5       0.0
 24             24      0.01        0.0       0.0       0.5       0.0
 25             25      0.01        0.0       0.0       0.5       0.0
 26             26      0.01        0.0       0.0       0.5       0.0
 27             27      0.01        0.0       0.0       0.5       0.0
 28             28      0.01        0.0       0.0       0.5       0.0
 29             29      0.01        0.0       0.0       0.5       0.0
 30             30      0.01        0.0       0.0       0.5       0.0
 31             31      0.01        0.0       0.0       0.5       0.0
 32             32      0.37        0.0       0.0       0.5       0.0
 33             33      0.32        0.0       0.0       0.5       0.0
 34             34      0.64        0.0       0.0       0.5       0.0
 35             35       0.3        0.0       0.0       0.5       0.0
 36             36      0.28        0.0       0.0       0.5       0.0
 37             37      0.11        0.0       0.0       0.5       0.0
 38             38      0.23        0.0       0.0       0.5       0.0
 39             39      0.01        0.0       0.0       0.5       0.0
 40             40      0.36        0.0       0.0       0.5       0.0
 41             41      0.01        0.0       0.0       0.5       0.0
 42             42      0.43        0.0       0.0       0.5       0.0
 43             43      0.47        0.0       0.0       0.5       0.0
 44             44      0.57        0.0       0.0       0.5       0.0
 45             45      0.27        0.0       0.0       0.5       0.0
 46             46      0.09        0.0       0.0       0.5       0.0
 47             47      0.65        0.0       0.0       0.5       0.0
 48             48      0.39        0.0       0.0       0.5       0.0
 49             49      0.14        0.0       0.0       0.5       0.0
 50             50      0.25        0.0       0.0       0.5       0.0
 51             51      0.04        0.0       0.0       0.5       0.0
 52             52      0.39        0.0       0.0       0.5       0.0
 53             53      0.14        0.0       0.0       0.5       0.0
 54             54      0.63        0.0       0.0       0.5       0.0
 55             55      0.01        0.0       0.0       0.5       0.0
 56             56      0.53        0.0       0.0       0.5       0.0
 57             57      0.01        0.0       0.0       0.5       0.0
 58             58      0.02        0.0       0.0       0.5       0.0
 59             59      0.45        0.0       0.0       0.5       0.0
 60             60      0.32        0.0       0.0       0.5       0.0
 61             61      0.25        0.0       0.0       0.5       0.0
 62             62      0.87        0.0       0.0       0.5       0.0
 63             63      0.32        0.0       0.0       0.5       0.0
```

```
 64              64      0.36       0.0       0.0       0.5       0.0
 65              65      0.08       0.0       0.0       0.5       0.0
 66              66      0.27       0.0       0.0       0.5       0.0
 67              67      0.05       0.0       0.0       0.5       0.0
 68              68      0.18       0.0       0.0       0.5       0.0
 69              69      0.07       0.0       0.0       0.5       0.0
 70              70      0.19       0.0       0.0       0.5       0.0
 71              71      0.19       0.0       0.0       0.5       0.0
END HYDR-PARM2
HYDR-INIT
  RCHRES  Initial conditions for each HYDR section                    ***
  # -  # ***   VOL     Initial  value  of COLIND     Initial  value  of OUTDGT
        *** ac-ft     for each possible exit        for each possible exit
<------><--------->     <---><---><---><---><---> *** <---><---><---><---><--->
  1         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  2         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  3         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  4         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  5         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  6         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  7         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  8         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  9         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 10         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 11         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 12         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 13         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 14         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 15         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 16         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 17         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 18         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 19         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 20         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 21         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 22         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 23         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 24         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 25         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 26         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 27         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 28         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 29         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 30         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 31         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 32         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 33         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 34         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 35         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 36         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 37         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 38         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 39         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 40         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 41         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 42         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 43         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 44         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 45         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 46         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 47         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 48         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 49         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 50         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 51         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 52         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 53         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 54         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 55         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
 56         0             4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
```

```
   57         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   58         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   59         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   60         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   61         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   62         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   63         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   64         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   65         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   66         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   67         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   68         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   69         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   70         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
   71         0            4.0  0.0  0.0  0.0  0.0       0.0  0.0  0.0  0.0  0.0
  END HYDR-INIT
END RCHRES

SPEC-ACTIONS
END SPEC-ACTIONS
FTABLES
  FTABLE     32
   91    4
     Depth      Area    Volume  Outflow1 Velocity  Travel Time***
      (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
  0.000000  0.353903  0.000000  0.000000
  0.111111  0.358819  0.039596  1.501478
  0.222222  0.363736  0.079738  4.727354
  0.333333  0.368652  0.120426  9.219340
  0.444444  0.373569  0.161660  14.78181
  0.555556  0.378486  0.203441  21.29261
  0.666667  0.383403  0.245768  28.66545
  0.777778  0.388319  0.288642  36.83531
  0.888889  0.393236  0.332061  45.75114
  1.000000  0.398153  0.376028  55.37175
  1.111111  0.403070  0.420540  65.66329
  1.222222  0.407987  0.465599  76.59748
  1.333333  0.412904  0.511204  88.15044
  1.444444  0.417821  0.557355  100.3018
  1.555556  0.422738  0.604053  113.0342
  1.666667  0.427655  0.651297  126.3326
  1.777778  0.432572  0.699087  140.1838
  1.888889  0.437489  0.747424  154.5766
  2.000000  0.442406  0.796307  169.5011
  2.111111  0.447323  0.845736  184.9486
  2.222222  0.452240  0.895712  200.9116
  2.333333  0.457157  0.946234  217.3835
  2.444444  0.462075  0.997302  234.3584
  2.555556  0.466992  1.048917  251.8314
  2.666667  0.471909  1.101078  269.7980
  2.777778  0.476827  1.153786  288.2543
  2.888889  0.481744  1.207040  307.1971
  3.000000  0.486662  1.260840  326.6233
  3.111111  0.491579  1.315187  346.5306
  3.222222  0.496497  1.370080  366.9169
  3.333333  0.501414  1.425520  387.7802
  3.444444  0.506332  1.481505  409.1192
  3.555556  0.511249  1.538038  430.9326
  3.666667  0.516167  1.595116  453.2194
  3.777778  0.521085  1.652741  475.9790
  3.888889  0.526002  1.710913  499.2106
  4.000000  0.530920  1.769631  522.9140
  4.111111  0.535838  1.828895  547.0889
  4.222222  0.540756  1.888706  571.7352
  4.333333  0.545674  1.949063  596.8532
  4.444444  0.550591  2.009967  622.4429
  4.555556  0.555509  2.071417  648.5048
  4.666667  0.560427  2.133413  675.0393
  4.777778  0.565345  2.195956  702.0469
  4.888889  0.570263  2.259046  729.5282
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5.000000  0.575181  2.322681  757.4840
5.111111  0.580099  2.386864  785.9152
5.222222  0.585018  2.451592  814.8225
5.333333  0.589936  2.516868  844.2070
5.444444  0.594854  2.582689  874.0696
5.555556  0.599772  2.649057  904.4114
5.666667  0.604690  2.715972  935.2336
5.777778  0.609609  2.783433  966.5373
5.888889  0.614527  2.851440  998.3237
6.000000  0.619445  2.919995  1030.594
6.111111  0.624364  2.989095  1063.350
6.222222  0.629282  3.058742  1096.592
6.333333  0.634201  3.128936  1130.323
6.444444  0.639119  3.199675  1164.543
6.555556  0.644038  3.270962  1199.253
6.666667  0.648956  3.342795  1234.457
6.777778  0.653875  3.415174  1270.154
6.888889  0.658793  3.488100  1306.346
7.000000  0.663712  3.561573  1343.036
7.111111  0.668631  3.635592  1380.224
7.222222  0.673550  3.710158  1417.912
7.333333  0.678468  3.785270  1456.102
7.444444  0.683387  3.860928  1494.795
7.555556  0.688306  3.937134  1533.993
7.666667  0.693225  4.013885  1573.698
7.777778  0.698144  4.091184  1613.911
7.888889  0.703063  4.169028  1654.635
8.000000  0.707982  4.247420  1695.870
8.111111  0.712901  4.326358  1737.618
8.222222  0.717820  4.405842  1779.882
8.333333  0.722739  4.485873  1822.663
8.444444  0.727658  4.566451  1865.962
8.555556  0.732577  4.647575  1909.782
8.666667  0.737496  4.729246  1954.124
8.777778  0.742415  4.811463  1998.990
8.888889  0.747335  4.894227  2044.381
9.000000  0.752254  4.977537  2090.300
9.111111  0.757173  5.061394  2136.749
9.222222  0.762093  5.145798  2183.729
9.333333  0.767012  5.230748  2231.241
9.444444  0.771931  5.316245  2279.289
9.555556  0.776851  5.402288  2327.872
9.666667  0.781770  5.488879  2376.995
9.777778  0.786690  5.576015  2426.657
9.888889  0.791609  5.663698  2476.862
10.00000  0.796529  5.751928  2527.610
END FTABLE 32
FTABLE      1
 97    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.550000  0.005000  0.001000
0.100000  0.556000  0.055000  0.035000
0.200000  0.562000  0.111000  0.099000
0.300000  0.568000  0.168000  0.182000
0.400000  0.574000  0.225000  0.258000
0.500000  0.580000  0.283000  0.309000
0.600000  0.586000  0.341000  0.352000
0.700000  0.592000  0.400000  0.391000
0.800000  0.598000  0.460000  0.426000
0.900000  0.604000  0.520000  0.458000
1.000000  0.610000  0.581000  0.488000
1.100000  0.616000  0.642000  0.517000
1.200000  0.622000  0.704000  0.544000
1.300000  0.628000  0.767000  0.570000
1.400000  0.634000  0.830000  0.594000
1.500000  0.640000  0.894000  0.618000
1.600000  0.646000  0.958000  0.641000
1.700000  0.652000  1.023000  0.662000
```

1.800000	0.658000	1.088000	0.684000
1.900000	0.664000	1.154000	0.704000
2.000000	0.670000	1.221000	0.724000
2.100000	0.676000	1.288000	0.744000
2.200000	0.682000	1.356000	0.763000
2.300000	0.688000	1.425000	0.781000
2.400000	0.694000	1.494000	0.800000
2.500000	0.700000	1.563000	0.817000
2.600000	0.706000	1.634000	0.835000
2.700000	0.712000	1.705000	0.852000
2.800000	0.718000	1.776000	0.868000
2.900000	0.724000	1.848000	0.885000
3.000000	0.730000	1.921000	0.901000
3.100000	0.736000	1.994000	0.916000
3.200000	0.742000	2.068000	0.932000
3.300000	0.748000	2.142000	0.947000
3.400000	0.754000	2.217000	0.962000
3.500000	0.760000	2.293000	0.977000
3.600000	0.766000	2.369000	0.991000
3.700000	0.772000	2.446000	1.006000
3.800000	0.778000	2.523000	1.020000
3.900000	0.784000	2.601000	1.034000
4.000000	0.790000	2.679000	1.047000
4.100000	0.796000	2.759000	1.061000
4.200000	0.802000	2.838000	1.074000
4.300000	0.808000	2.919000	1.088000
4.400000	0.814000	3.000000	1.290000
4.500000	0.820000	3.081000	1.650000
4.600000	0.826000	3.163000	2.111000
4.700000	0.832000	3.246000	2.655000
4.800000	0.838000	3.329000	3.271000
4.900000	0.844000	3.413000	3.950000
5.000000	0.850000	3.497000	4.675000
5.100000	0.856000	3.583000	5.135000
5.200000	0.862000	3.668000	5.550000
5.300000	0.868000	3.754000	5.930000
5.400000	0.874000	3.841000	6.283000
5.500000	0.880000	3.929000	6.615000
5.600000	0.886000	4.017000	6.928000
5.700000	0.892000	4.105000	7.226000
5.800000	0.898000	4.195000	7.511000
5.900000	0.904000	4.284000	7.784000
6.000000	0.910000	4.375000	8.047000
6.100000	0.916000	4.466000	8.301000
6.200000	0.922000	4.557000	8.546000
6.300000	0.928000	4.650000	8.784000
6.400000	0.934000	4.742000	9.331000
6.500000	0.940000	4.836000	10.13400
6.600000	0.946000	4.930000	11.10100
6.700000	0.952000	5.024000	12.20100
6.800000	0.958000	5.119000	13.41500
6.900000	0.964000	5.215000	14.73000
7.000000	0.970000	5.311000	16.13800
7.100000	0.976000	5.408000	17.63200
7.200000	0.982000	5.506000	19.20500
7.300000	0.988000	5.604000	20.85400
7.400000	0.994000	5.703000	22.57500
7.500000	1.000000	5.802000	24.36400
7.600000	1.006000	5.902000	26.21800
7.700000	1.012000	6.002000	28.13500
7.800000	1.018000	6.103000	30.11300
7.900000	1.024000	6.205000	32.14900
8.000000	1.030000	6.307000	34.24200
8.250000	1.045000	6.566000	39.71200
8.500000	1.060000	6.828000	45.50500
8.750000	1.075000	7.093000	51.60100
9.000000	1.090000	7.363000	57.98500
9.250000	1.105000	7.636000	64.64400
9.500000	1.120000	7.912000	71.56700
9.750000	1.135000	8.193000	78.74300

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10.00000  1.150000  8.477000  86.16300
10.25000  1.165000  8.765000  101.1680
10.50000  1.180000  9.057000  121.1930
10.75000  1.195000  9.352000  145.4680
11.00000  1.210000  9.651000  173.1680
11.25000  1.225000  9.954000  203.8220
11.50000  1.240000  10.26000  237.1170
11.75000  1.255000  10.57000  999.0000
END FTABLE  1
FTABLE     47
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.473140  0.000000  0.000000
0.222222  0.490665  0.107089  2.230578
0.444444  0.508190  0.218073  6.947652
0.666667  0.525714  0.332952  13.43575
0.888889  0.543239  0.451724  21.40354
1.111111  0.560763  0.574391  30.68332
1.333333  0.578288  0.700952  41.16782
1.555556  0.595813  0.831408  52.78483
1.777778  0.613338  0.965758  65.48441
2.000000  0.630863  1.104003  79.23165
2.222222  0.648388  1.246142  94.00220
2.444444  0.665913  1.392175  109.7794
2.666667  0.683438  1.542103  126.5521
2.888889  0.700963  1.695925  144.3138
3.111111  0.718488  1.853642  163.0610
3.333333  0.736013  2.015253  182.7930
3.555556  0.753539  2.180759  203.5111
3.777778  0.771064  2.350159  225.2182
4.000000  0.788590  2.523454  247.9185
4.222222  0.806115  2.700644  271.6174
4.444444  0.823641  2.881728  296.3212
4.666667  0.841166  3.066706  322.0366
4.888889  0.858692  3.255579  348.7712
5.111111  0.876217  3.448347  376.5332
5.333333  0.893743  3.645009  405.3307
5.555556  0.911269  3.845566  435.1728
5.777778  0.928795  4.050018  466.0683
6.000000  0.946321  4.258364  498.0266
6.222222  0.963847  4.470604  531.0572
6.444444  0.981373  4.686740  565.1697
6.666667  0.998899  4.906770  600.3740
6.888889  1.016425  5.130695  636.6800
7.111111  1.033951  5.358514  674.0977
7.333333  1.051477  5.590229  712.6372
7.555556  1.069003  5.825838  752.3086
7.777778  1.086530  6.065341  793.1222
8.000000  1.104056  6.308740  835.0883
8.222222  1.121583  6.556033  878.2170
8.444444  1.139109  6.807221  922.5188
8.666667  1.156636  7.062304  968.0040
8.888889  1.174162  7.321281  1014.683
9.111111  1.191689  7.584154  1062.566
9.333333  1.209216  7.850921  1111.663
9.555556  1.226742  8.121583  1161.985
9.777778  1.244269  8.396140  1213.543
10.00000  1.261796  8.674591  1266.346
10.22222  1.279323  8.956938  1320.404
10.44444  1.296850  9.243179  1375.729
10.66667  1.314377  9.533316  1432.330
10.88889  1.331904  9.827347  1490.218
11.11111  1.349431  10.12527  1549.403
11.33333  1.366959  10.42709  1609.895
11.55556  1.384486  10.73281  1671.704
11.77778  1.402013  11.04242  1734.842
12.00000  1.419540  11.35593  1799.317
12.22222  1.437068  11.67333  1865.140
12.44444  1.454595  11.99462  1932.321
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12.66667  1.472123  12.31982  2000.870
12.88889  1.489651  12.64890  2070.798
13.11111  1.507178  12.98188  2142.114
13.33333  1.524706  13.31876  2214.829
13.55556  1.542234  13.65953  2288.952
13.77778  1.559761  14.00420  2364.493
14.00000  1.577289  14.35276  2441.463
14.22222  1.594817  14.70521  2519.871
14.44444  1.612345  15.06156  2599.728
14.66667  1.629873  15.42181  2681.042
14.88889  1.647401  15.78595  2763.825
15.11111  1.664929  16.15399  2848.085
15.33333  1.682458  16.52592  2933.833
15.55556  1.699986  16.90175  3021.078
15.77778  1.717514  17.28147  3109.830
16.00000  1.735042  17.66509  3200.099
16.22222  1.752571  18.05260  3291.895
16.44444  1.770099  18.44401  3385.226
16.66667  1.787628  18.83931  3480.104
16.88889  1.805156  19.23851  3576.537
17.11111  1.822685  19.64160  3674.535
17.33333  1.840214  20.04859  3774.108
17.55556  1.857742  20.45948  3875.264
17.77778  1.875271  20.87425  3978.015
18.00000  1.892800  21.29293  4082.368
18.22222  1.910329  21.71550  4188.334
18.44444  1.927858  22.14196  4295.922
18.66667  1.945387  22.57232  4405.142
18.88889  1.962916  23.00658  4516.002
19.11111  1.980445  23.44473  4628.512
19.33333  1.997974  23.88678  4742.682
19.55556  2.015503  24.33272  4858.521
19.77778  2.033033  24.78256  4976.038
20.00000  2.050562  25.23629  5095.243
END FTABLE 47
FTABLE      2
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.400000  0.004000  0.001000
0.200000  0.422000  0.080000  0.099000
0.300000  0.433000  0.123000  0.182000
0.400000  0.443000  0.166000  0.258000
0.500000  0.453000  0.211000  0.309000
0.600000  0.464000  0.256000  0.352000
0.700000  0.474000  0.302000  0.391000
0.800000  0.484000  0.350000  0.426000
0.900000  0.495000  0.399000  0.458000
1.000000  0.505000  0.448000  0.488000
1.100000  0.516000  0.499000  0.517000
1.200000  0.526000  0.551000  0.544000
1.300000  0.536000  0.603000  0.570000
1.400000  0.547000  0.657000  0.594000
1.500000  0.557000  0.712000  0.618000
1.600000  0.567000  0.768000  0.641000
1.700000  0.578000  0.825000  0.662000
1.800000  0.588000  0.883000  0.684000
1.900000  0.598000  0.942000  0.704000
2.000000  0.609000  1.002000  0.724000
2.100000  0.619000  1.063000  0.744000
2.200000  0.630000  1.125000  0.763000
2.300000  0.640000  1.188000  0.781000
2.400000  0.650000  1.252000  0.800000
2.500000  0.661000  1.317000  0.817000
2.600000  0.671000  1.384000  0.835000
2.700000  0.681000  1.451000  0.852000
2.800000  0.692000  1.519000  0.868000
2.900000  0.702000  1.589000  0.885000
3.000000  0.713000  1.659000  0.901000
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3.100000  0.723000  1.731000  0.916000
3.200000  0.733000  1.803000  0.932000
3.300000  0.744000  1.877000  0.947000
3.400000  0.754000  1.952000  0.962000
3.500000  0.764000  2.027000  0.977000
3.600000  0.775000  2.104000  0.991000
3.700000  0.785000  2.182000  1.006000
3.800000  0.796000  2.260000  1.020000
3.900000  0.806000  2.340000  1.034000
4.000000  0.816000  2.421000  1.047000
4.100000  0.827000  2.503000  1.061000
4.200000  0.837000  2.586000  1.074000
4.300000  0.847000  2.670000  1.088000
4.400000  0.858000  2.755000  1.101000
4.500000  0.868000  2.841000  1.114000
4.600000  0.879000  2.928000  1.167000
4.700000  0.889000  3.016000  1.317000
4.800000  0.899000  3.106000  1.519000
4.900000  0.910000  3.196000  1.763000
5.000000  0.920000  3.287000  2.042000
5.100000  0.930000  3.380000  2.351000
5.200000  0.941000  3.473000  2.688000
5.300000  0.951000  3.567000  3.051000
5.400000  0.961000  3.663000  3.437000
5.500000  0.972000  3.759000  3.846000
5.600000  0.982000  3.857000  4.276000
5.700000  0.993000  3.955000  4.725000
5.800000  1.003000  4.055000  5.195000
5.900000  1.013000  4.156000  5.682000
6.000000  1.024000  4.257000  6.188000
6.100000  1.034000  4.360000  6.710000
6.200000  1.044000  4.464000  7.249000
6.300000  1.055000  4.569000  7.804000
6.400000  1.065000  4.675000  8.375000
6.500000  1.076000  4.782000  8.961000
6.600000  1.086000  4.890000  9.619000
6.700000  1.096000  4.999000  10.01100
6.800000  1.107000  5.109000  10.38600
6.900000  1.117000  5.220000  10.74700
7.000000  1.127000  5.332000  11.09500
7.100000  1.138000  5.445000  11.93200
7.200000  1.148000  5.559000  13.17300
7.300000  1.159000  5.675000  14.67400
7.400000  1.169000  5.791000  16.38500
7.500000  1.179000  5.908000  18.27600
7.600000  1.190000  6.027000  20.32800
7.700000  1.200000  6.146000  22.52600
7.800000  1.210000  6.266000  24.86000
7.900000  1.221000  6.388000  27.32100
8.000000  1.231000  6.511000  29.90200
8.200000  1.252000  6.759000  35.39700
8.400000  1.273000  7.011000  41.30800
8.600000  1.293000  7.268000  47.60400
8.800000  1.314000  7.528000  54.26000
9.000000  1.335000  7.793000  61.25600
9.200000  1.356000  8.062000  68.99300
9.400000  1.376000  8.336000  75.93300
9.600000  1.397000  8.613000  83.49600
9.800000  1.418000  8.895000  91.51200
10.00000  1.439000  9.180000  999.0000
END FTABLE  2
FTABLE     50
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.215174  0.000000  0.000000
0.222222  0.222006  0.048576  2.063491
0.444444  0.228837  0.098669  6.441103
0.666667  0.235669  0.150281  12.47488
0.888889  0.242501  0.203411  19.89232
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1.111111	0.249332	0.258059	28.53285
1.333333	0.256164	0.314225	38.29094
1.555556	0.262996	0.371910	49.09335
1.777778	0.269827	0.431112	60.88756
2.000000	0.276659	0.491833	73.63528
2.222222	0.283491	0.554072	87.30834
2.444444	0.290323	0.617829	101.8860
2.666667	0.297155	0.683104	117.3531
2.888889	0.303986	0.749898	133.6988
3.111111	0.310818	0.818209	150.9156
3.333333	0.317650	0.888039	168.9988
3.555556	0.324482	0.959387	187.9457
3.777778	0.331314	1.032254	207.7554
4.000000	0.338146	1.106638	228.4283
4.222222	0.344979	1.182541	249.9660
4.444444	0.351811	1.259962	272.3712
4.666667	0.358643	1.338901	295.6472
4.888889	0.365475	1.419359	319.7981
5.111111	0.372307	1.501335	344.8284
5.333333	0.379140	1.584829	370.7434
5.555556	0.385972	1.669841	397.5484
5.777778	0.392804	1.756372	425.2494
6.000000	0.399637	1.844421	453.8525
6.222222	0.406469	1.933988	483.3640
6.444444	0.413301	2.025074	513.7906
6.666667	0.420134	2.117678	545.1391
6.888889	0.426966	2.211800	577.4163
7.111111	0.433799	2.307440	610.6294
7.333333	0.440632	2.404599	644.7856
7.555556	0.447464	2.503277	679.8922
7.777778	0.454297	2.603472	715.9566
8.000000	0.461129	2.705186	752.9861
8.222222	0.467962	2.808419	790.9884
8.444444	0.474795	2.913170	829.9710
8.666667	0.481628	3.019439	869.9416
8.888889	0.488461	3.127226	910.9077
9.111111	0.495293	3.236532	952.8771
9.333333	0.502126	3.347357	995.8574
9.555556	0.508959	3.459700	1039.856
9.777778	0.515792	3.573561	1084.882
10.00000	0.522625	3.688941	1130.942
10.22222	0.529458	3.805839	1178.043
10.44444	0.536291	3.924255	1226.195
10.66667	0.543124	4.044190	1275.404
10.88889	0.549957	4.165644	1325.678
11.11111	0.556791	4.288616	1377.025
11.33333	0.563624	4.413106	1429.453
11.55556	0.570457	4.539115	1482.970
11.77778	0.577290	4.666643	1537.583
12.00000	0.584124	4.795689	1593.301
12.22222	0.590957	4.926253	1650.130
12.44444	0.597790	5.058336	1708.079
12.66667	0.604624	5.191938	1767.155
12.88889	0.611457	5.327058	1827.366
13.11111	0.618290	5.463696	1888.720
13.33333	0.625124	5.601854	1951.224
13.55556	0.631957	5.741529	2014.887
13.77778	0.638791	5.882724	2079.715
14.00000	0.645625	6.025436	2145.717
14.22222	0.652458	6.169668	2212.899
14.44444	0.659292	6.315418	2281.271
14.66667	0.666126	6.462687	2350.838
14.88889	0.672959	6.611474	2421.610
15.11111	0.679793	6.761780	2493.592
15.33333	0.686627	6.913604	2566.794
15.55556	0.693461	7.066947	2641.222
15.77778	0.700295	7.221809	2716.884
16.00000	0.707129	7.378189	2793.788
16.22222	0.713962	7.536088	2871.941
16.44444	0.720796	7.695506	2951.350

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16.66667  0.727630  7.856442  3032.023
16.88889  0.734465  8.018897  3113.967
17.11111  0.741299  8.182871  3197.190
17.33333  0.748133  8.348363  3281.699
17.55556  0.754967  8.515374  3367.502
17.77778  0.761801  8.683904  3454.605
18.00000  0.768635  8.853953  3543.017
18.22222  0.775469  9.025520  3632.744
18.44444  0.782304  9.198606  3723.794
18.66667  0.789138  9.373210  3816.174
18.88889  0.795972  9.549334  3909.892
19.11111  0.802807  9.726976  4004.954
19.33333  0.809641  9.906137  4101.369
19.55556  0.816476  10.08682  4199.142
19.77778  0.823310  10.26901  4298.282
20.00000  0.830145  10.45273  4398.795
END FTABLE 50
FTABLE      3
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.001000
0.100000  0.104000  0.010000  0.009000
0.200000  0.108000  0.021000  0.025000
0.300000  0.112000  0.032000  0.037000
0.400000  0.116000  0.044000  0.045000
0.500000  0.120000  0.056000  0.053000
0.600000  0.124000  0.068000  0.059000
0.700000  0.128000  0.081000  0.065000
0.800000  0.132000  0.094000  0.070000
0.900000  0.135000  0.107000  0.075000
1.000000  0.139000  0.121000  0.079000
1.100000  0.143000  0.135000  0.083000
1.200000  0.147000  0.150000  0.088000
1.300000  0.151000  0.165000  0.091000
1.400000  0.155000  0.180000  0.095000
1.500000  0.159000  0.196000  0.099000
1.600000  0.162000  0.212000  0.102000
1.700000  0.166000  0.228000  0.106000
1.800000  0.170000  0.245000  0.109000
1.900000  0.174000  0.262000  0.112000
2.000000  0.178000  0.280000  0.115000
2.100000  0.182000  0.298000  0.153000
2.200000  0.185000  0.316000  0.220000
2.300000  0.189000  0.335000  0.292000
2.400000  0.193000  0.354000  0.337000
2.500000  0.197000  0.373000  0.375000
2.600000  0.201000  0.393000  0.577000
2.700000  0.204000  0.413000  0.915000
2.800000  0.208000  0.434000  1.342000
2.900000  0.212000  0.455000  1.841000
3.000000  0.216000  0.476000  2.401000
3.100000  0.220000  0.498000  3.017000
3.200000  0.223000  0.520000  3.684000
3.300000  0.227000  0.542000  4.397000
3.400000  0.231000  0.565000  5.068000
3.500000  0.235000  0.588000  6.370000
3.600000  0.238000  0.612000  8.333000
3.700000  0.242000  0.636000  10.72200
3.800000  0.246000  0.660000  13.45300
3.900000  0.250000  0.685000  16.48200
4.000000  0.253000  0.710000  19.77800
4.100000  0.257000  0.735000  23.31700
4.200000  0.261000  0.761000  27.08200
4.300000  0.265000  0.787000  31.05900
4.400000  0.268000  0.814000  35.23700
4.500000  0.272000  0.841000  39.60600
4.600000  0.276000  0.868000  44.15700
4.700000  0.280000  0.896000  48.88300
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4.800000  0.283000  0.924000  53.77700
4.900000  0.287000  0.952000  58.83400
5.000000  0.291000  0.981000  64.04700
5.100000  0.294000  1.010000  69.41300
5.200000  0.298000  1.040000  74.92800
5.300000  0.302000  1.070000  80.58600
5.400000  0.306000  1.100000  86.38500
5.500000  0.309000  1.131000  92.32100
5.600000  0.313000  1.162000  98.39000
5.700000  0.317000  1.193000  104.5910
5.800000  0.320000  1.225000  110.9190
5.900000  0.324000  1.257000  117.3730
6.000000  0.328000  1.290000  123.9510
6.100000  0.331000  1.323000  130.6490
6.200000  0.335000  1.356000  137.4660
6.300000  0.339000  1.390000  144.3990
6.400000  0.342000  1.424000  151.4470
6.500000  0.346000  1.458000  158.6080
6.600000  0.350000  1.493000  165.8790
6.700000  0.353000  1.528000  173.2600
6.800000  0.357000  1.564000  180.7490
6.900000  0.361000  1.600000  188.3440
7.000000  0.364000  1.636000  196.0430
7.100000  0.368000  1.673000  203.8460
7.200000  0.372000  1.710000  211.7510
7.300000  0.375000  1.747000  219.7560
7.400000  0.379000  1.785000  227.8610
7.500000  0.382000  1.823000  236.0640
7.600000  0.386000  1.862000  244.3630
7.700000  0.390000  1.901000  252.7590
7.800000  0.393000  1.940000  261.2490
7.900000  0.397000  1.980000  269.8330
8.000000  0.401000  2.020000  278.5100
8.100000  0.600000  3.300000  999.0000
END FTABLE  3
FTABLE     52
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.330716  0.000000  0.000000
0.222222  0.341216  0.074659  2.222447
0.444444  0.351715  0.151651  6.937281
0.666667  0.362215  0.230977  13.43586
0.888889  0.372715  0.312636  21.42469
1.111111  0.383214  0.396628  30.73082
1.333333  0.393714  0.482954  41.24061
1.555556  0.404214  0.571612  52.87515
1.777778  0.414714  0.662604  65.57791
2.000000  0.425214  0.755930  79.30763
2.222222  0.435714  0.851588  94.03395
2.444444  0.446214  0.949580  109.7345
2.666667  0.456714  1.049905  126.3931
2.888889  0.467214  1.152564  143.9980
3.111111  0.477714  1.257556  162.5411
3.333333  0.488214  1.364881  182.0173
3.555556  0.498714  1.474540  202.4238
3.777778  0.509214  1.586532  223.7594
4.000000  0.519715  1.700857  246.0248
4.222222  0.530215  1.817516  269.2217
4.444444  0.540715  1.936508  293.3528
4.666667  0.551216  2.057834  318.4218
4.888889  0.561716  2.181493  344.4330
5.111111  0.572216  2.307486  371.3916
5.333333  0.582717  2.435811  399.3028
5.555556  0.593217  2.566471  428.1728
5.777778  0.603718  2.699464  458.0076
6.000000  0.614218  2.834790  488.8141
6.222222  0.624719  2.972450  520.5990
6.444444  0.635220  3.112443  553.3694
6.666667  0.645721  3.254770  587.1327
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6.888889  0.656221  3.399430  621.8964
7.111111  0.666722  3.546423  657.6680
7.333333  0.677223  3.695751  694.4554
7.555556  0.687724  3.847411  732.2663
7.777778  0.698225  4.001406  771.1088
8.000000  0.708726  4.157733  810.9909
8.222222  0.719227  4.316395  851.9206
8.444444  0.729728  4.477390  893.9062
8.666667  0.740229  4.640718  936.9558
8.888889  0.750730  4.806380  981.0776
9.111111  0.761231  4.974376  1026.280
9.333333  0.771732  5.144705  1072.571
9.555556  0.782233  5.317368  1119.960
9.777778  0.792735  5.492364  1168.454
10.00000  0.803236  5.669694  1218.061
10.22222  0.813737  5.849358  1268.791
10.44444  0.824239  6.031356  1320.652
10.66667  0.834740  6.215686  1373.652
10.88889  0.845242  6.402351  1427.799
11.11111  0.855743  6.591349  1483.102
11.33333  0.866245  6.782681  1539.568
11.55556  0.876746  6.976347  1597.208
11.77778  0.887248  7.172346  1656.028
12.00000  0.897749  7.370679  1716.037
12.22222  0.908251  7.571346  1777.244
12.44444  0.918753  7.774347  1839.657
12.66667  0.929255  7.979681  1903.284
12.88889  0.939757  8.187349  1968.133
13.11111  0.950258  8.397350  2034.214
13.33333  0.960760  8.609686  2101.533
13.55556  0.971262  8.824355  2170.099
13.77778  0.981764  9.041358  2239.922
14.00000  0.992266  9.260695  2311.008
14.22222  1.002768  9.482365  2383.365
14.44444  1.013270  9.706369  2457.004
14.66667  1.023772  9.932707  2531.930
14.88889  1.034275  10.16138  2608.153
15.11111  1.044777  10.39239  2685.681
15.33333  1.055279  10.62572  2764.522
15.55556  1.065781  10.86140  2844.683
15.77778  1.076284  11.09941  2926.174
16.00000  1.086786  11.33975  3009.002
16.22222  1.097289  11.58242  3093.175
16.44444  1.107791  11.82743  3178.701
16.66667  1.118293  12.07477  3265.588
16.88889  1.128796  12.32445  3353.845
17.11111  1.139299  12.57646  3443.479
17.33333  1.149801  12.83080  3534.498
17.55556  1.160304  13.08748  3626.910
17.77778  1.170807  13.34649  3720.724
18.00000  1.181309  13.60784  3815.946
18.22222  1.191812  13.87152  3912.585
18.44444  1.202315  14.13754  4010.649
18.66667  1.212818  14.40588  4110.146
18.88889  1.223321  14.67657  4211.083
19.11111  1.233823  14.94958  4313.468
19.33333  1.244326  15.22493  4417.309
19.55556  1.254829  15.50262  4522.615
19.77778  1.265332  15.78263  4629.391
20.00000  1.275836  16.06499  4737.648
END FTABLE 52
FTABLE      4
 97    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.180000  0.002000  0.001000
0.200000  0.195000  0.035000  0.124000
0.300000  0.202000  0.055000  0.228000
0.400000  0.209000  0.075000  0.323000
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0.500000	0.216000	0.096000	0.386000
0.600000	0.223000	0.118000	0.440000
0.700000	0.230000	0.140000	0.488000
0.800000	0.236000	0.164000	0.532000
0.900000	0.243000	0.187000	0.573000
1.000000	0.250000	0.212000	0.610000
1.100000	0.257000	0.237000	0.646000
1.200000	0.264000	0.263000	0.680000
1.300000	0.271000	0.290000	0.712000
1.400000	0.278000	0.317000	0.743000
1.500000	0.284000	0.345000	0.772000
1.600000	0.291000	0.374000	0.801000
1.700000	0.298000	0.403000	0.828000
1.800000	0.305000	0.433000	0.855000
1.900000	0.312000	0.464000	0.880000
2.000000	0.319000	0.495000	0.905000
2.100000	0.326000	0.527000	0.930000
2.200000	0.333000	0.560000	0.954000
2.300000	0.339000	0.594000	0.977000
2.400000	0.346000	0.628000	0.999000
2.500000	0.353000	0.663000	1.022000
2.600000	0.360000	0.698000	1.043000
2.700000	0.367000	0.735000	1.064000
2.800000	0.374000	0.772000	1.085000
2.900000	0.381000	0.809000	1.106000
3.000000	0.388000	0.848000	1.126000
3.100000	0.394000	0.887000	1.145000
3.200000	0.401000	0.926000	1.165000
3.300000	0.408000	0.967000	1.184000
3.400000	0.415000	1.008000	1.203000
3.500000	0.422000	1.049000	1.221000
3.600000	0.429000	1.092000	1.239000
3.700000	0.436000	1.135000	1.257000
3.800000	0.443000	1.179000	1.275000
3.900000	0.449000	1.223000	1.292000
4.000000	0.456000	1.269000	1.309000
4.100000	0.463000	1.314000	1.326000
4.200000	0.470000	1.361000	1.343000
4.300000	0.477000	1.408000	1.360000
4.400000	0.484000	1.456000	1.376000
4.500000	0.491000	1.505000	1.392000
4.600000	0.498000	1.554000	1.408000
4.700000	0.504000	1.604000	1.424000
4.800000	0.511000	1.655000	1.439000
4.900000	0.518000	1.706000	1.455000
5.000000	0.525000	1.758000	1.470000
5.100000	0.532000	1.811000	1.485000
5.200000	0.539000	1.865000	1.500000
5.300000	0.546000	1.919000	1.515000
5.400000	0.552000	1.974000	1.530000
5.500000	0.559000	2.029000	1.544000
5.600000	0.566000	2.085000	1.559000
5.700000	0.573000	2.142000	1.573000
5.800000	0.580000	2.200000	1.587000
5.900000	0.587000	2.258000	1.601000
6.000000	0.594000	2.317000	1.615000
6.100000	0.601000	2.377000	1.629000
6.200000	0.607000	2.437000	1.643000
6.300000	0.614000	2.498000	1.656000
6.400000	0.621000	2.560000	1.670000
6.500000	0.628000	2.622000	1.683000
6.600000	0.635000	2.685000	1.696000
6.700000	0.642000	2.749000	1.709000
6.800000	0.649000	2.814000	1.722000
6.900000	0.656000	2.879000	1.735000
7.000000	0.662000	2.945000	1.748000
7.100000	0.669000	3.011000	1.761000
7.200000	0.676000	3.078000	1.774000
7.300000	0.683000	3.146000	1.786000
7.400000	0.690000	3.215000	1.799000

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7.500000  0.697000  3.284000  1.811000
7.600000  0.704000  3.354000  1.823000
7.700000  0.711000  3.425000  1.836000
7.800000  0.717000  3.496000  1.848000
7.900000  0.724000  3.568000  1.860000
8.000000  0.731000  3.641000  1.872000
8.100000  0.738000  3.714000  1.884000
8.200000  0.745000  3.789000  1.895000
8.300000  0.752000  3.863000  1.907000
8.400000  0.759000  3.939000  1.919000
8.500000  0.765000  4.015000  1.931000
8.600000  0.772000  4.092000  1.942000
8.700000  0.779000  4.169000  1.954000
8.800000  0.786000  4.248000  1.965000
8.900000  0.793000  4.327000  1.976000
9.000000  0.800000  4.406000  1.988000
9.200000  0.814000  4.568000  2.010000
9.400000  0.827000  4.732000  2.032000
9.600000  0.841000  4.898000  2.054000
9.800000  0.855000  5.068000  2.076000
10.00000  0.869000  5.240000  2.097000
10.10000  0.882000  5.415000  999.0000
END FTABLE  4
FTABLE     33
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)    (cfs)   (ft/sec)    (Minutes)***
0.000000  0.307254  0.000000  0.000000
0.022222  0.308108  0.006837  0.125539
0.044444  0.308962  0.013694  0.397846
0.066667  0.309816  0.020569  0.780605
0.088889  0.310670  0.027463  1.258644
0.111111  0.311524  0.034377  1.822508
0.133333  0.312377  0.041309  2.465454
0.155556  0.313231  0.048260  3.182311
0.177778  0.314085  0.055230  3.968921
0.200000  0.314939  0.062219  4.821832
0.222222  0.315793  0.069227  5.738107
0.244444  0.316647  0.076255  6.715201
0.266667  0.317501  0.083301  7.750880
0.288889  0.318355  0.090366  8.843154
0.311111  0.319208  0.097450  9.990240
0.333333  0.320062  0.104553  11.19052
0.355556  0.320916  0.111675  12.44253
0.377778  0.321770  0.118816  13.74490
0.400000  0.322624  0.125976  15.09641
0.422222  0.323478  0.133155  16.49590
0.444444  0.324332  0.140352  17.94230
0.466667  0.325186  0.147569  19.43461
0.488889  0.326039  0.154805  20.97190
0.511111  0.326893  0.162060  22.55330
0.533333  0.327747  0.169334  24.17798
0.555556  0.328601  0.176626  25.84517
0.577778  0.329455  0.183938  27.55413
0.600000  0.330309  0.191269  29.30417
0.622222  0.331163  0.198619  31.09464
0.644444  0.332017  0.205987  32.92492
0.666667  0.332871  0.213375  34.79440
0.688889  0.333725  0.220782  36.70252
0.711111  0.334578  0.228207  38.64875
0.733333  0.335432  0.235652  40.63257
0.755556  0.336286  0.243115  42.65350
0.777778  0.337140  0.250598  44.71105
0.800000  0.337994  0.258099  46.80478
0.822222  0.338848  0.265620  48.93427
0.844444  0.339702  0.273159  51.09909
0.866667  0.340556  0.280718  53.29885
0.888889  0.341410  0.288295  55.53316
0.911111  0.342264  0.295891  57.80167
0.933333  0.343118  0.303507  60.10402
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0.955556  0.343972  0.311141  62.43986
0.977778  0.344825  0.318794  64.80888
1.000000  0.345679  0.326467  67.21076
1.022222  0.346533  0.334158  69.64519
1.044444  0.347387  0.341868  72.11188
1.066667  0.348241  0.349597  74.61054
1.088889  0.349095  0.357345  77.14091
1.111111  0.349949  0.365113  79.70272
1.133333  0.350803  0.372899  82.29572
1.155556  0.351657  0.380704  84.91965
1.177778  0.352511  0.388528  87.57429
1.200000  0.353365  0.396371  90.25939
1.222222  0.354219  0.404233  92.97474
1.244444  0.355073  0.412114  95.72012
1.266667  0.355927  0.420014  98.49532
1.288889  0.356781  0.427933  101.3001
1.311111  0.357635  0.435871  104.1344
1.333333  0.358489  0.443828  106.9978
1.355556  0.359343  0.451804  109.8903
1.377778  0.360197  0.459799  112.8117
1.400000  0.361051  0.467813  115.7618
1.422222  0.361905  0.475845  118.7404
1.444444  0.362759  0.483897  121.7473
1.466667  0.363613  0.491968  124.7825
1.488889  0.364466  0.500058  127.8456
1.511111  0.365320  0.508166  130.9367
1.533333  0.366174  0.516294  134.0556
1.555556  0.367028  0.524441  137.2020
1.577778  0.367882  0.532607  140.3759
1.600000  0.368736  0.540791  143.5772
1.622222  0.369590  0.548995  146.8056
1.644444  0.370444  0.557217  150.0612
1.666667  0.371298  0.565459  153.3436
1.688889  0.372152  0.573720  156.6530
1.711111  0.373006  0.581999  159.9890
1.733333  0.373860  0.590298  163.3517
1.755556  0.374714  0.598615  166.7409
1.777778  0.375568  0.606952  170.1564
1.800000  0.376422  0.615307  173.5983
1.822222  0.377276  0.623682  177.0663
1.844444  0.378130  0.632075  180.5604
1.866667  0.378984  0.640487  184.0805
1.888889  0.379838  0.648919  187.6265
1.911111  0.380692  0.657369  191.1984
1.933333  0.381546  0.665838  194.7959
1.955556  0.382400  0.674327  198.4191
1.977778  0.383255  0.682834  202.0678
2.000000  0.384109  0.691360  205.7420
END FTABLE 33
FTABLE      5
 96    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.320000  0.003000  0.001000
0.100000  0.323000  0.035000  0.026000
0.300000  0.332000  0.100000  0.126000
0.500000  0.341000  0.167000  0.184000
0.700000  0.350000  0.236000  0.228000
0.900000  0.359000  0.306000  0.265000
1.100000  0.369000  0.379000  0.297000
1.300000  0.378000  0.453000  0.326000
1.500000  0.387000  0.529000  0.353000
1.700000  0.396000  0.607000  0.378000
1.900000  0.405000  0.687000  0.401000
2.100000  0.414000  0.769000  0.423000
2.300000  0.423000  0.852000  0.444000
2.500000  0.433000  0.938000  0.464000
2.700000  0.442000  1.025000  0.483000
2.900000  0.451000  1.114000  0.501000
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3.100000	0.460000	1.205000	0.519000
3.300000	0.469000	1.297000	0.536000
3.500000	0.478000	1.392000	0.553000
3.700000	0.487000	1.488000	0.668000
3.900000	0.497000	1.586000	0.866000
4.100000	0.506000	1.686000	1.116000
4.300000	0.515000	1.788000	1.409000
4.500000	0.524000	1.892000	1.739000
4.700000	0.533000	1.998000	2.103000
4.900000	0.542000	2.105000	2.496000
5.100000	0.552000	2.214000	2.918000
5.300000	0.561000	2.325000	3.365000
5.500000	0.570000	2.438000	3.837000
5.700000	0.579000	2.553000	4.227000
5.900000	0.588000	2.670000	4.521000
6.100000	0.597000	2.788000	4.901000
6.300000	0.606000	2.908000	5.602000
6.500000	0.616000	3.030000	6.477000
6.700000	0.625000	3.154000	7.483000
6.900000	0.634000	3.280000	8.599000
7.100000	0.643000	3.408000	9.813000
7.300000	0.652000	3.537000	11.11300
7.500000	0.661000	3.669000	12.49500
7.700000	0.671000	3.802000	13.95100
7.900000	0.680000	3.937000	15.47900
8.100000	0.689000	4.073000	17.07400
8.300000	0.698000	4.212000	18.73300
8.500000	0.707000	4.353000	20.45400
8.700000	0.716000	4.495000	22.23300
8.900000	0.725000	4.639000	24.07000
9.100000	0.735000	4.785000	25.96200
9.300000	0.744000	4.933000	27.90700
9.500000	0.753000	5.083000	29.90400
9.700000	0.762000	5.234000	31.95100
9.900000	0.771000	5.387000	34.04700
10.10000	0.780000	5.543000	36.19200
10.30000	0.789000	5.700000	38.38300
10.50000	0.799000	5.859000	40.62000
10.70000	0.808000	6.019000	42.90200
10.90000	0.817000	6.182000	45.22800
11.10000	0.826000	6.346000	47.59700
11.30000	0.835000	6.512000	53.67300
11.50000	0.844000	6.680000	61.79400
11.70000	0.854000	6.850000	71.79200
11.90000	0.863000	7.022000	83.30300
12.10000	0.872000	7.196000	96.11800
12.30000	0.881000	7.371000	110.0970
12.50000	0.890000	7.548000	125.1370
12.70000	0.899000	7.727000	141.1580
12.90000	0.908000	7.908000	158.0970
13.10000	0.918000	8.091000	175.9020
13.30000	0.927000	8.276000	194.5290
13.50000	0.936000	8.462000	213.9390
13.70000	0.945000	8.650000	234.1000
13.90000	0.954000	8.840000	254.9820
14.10000	0.963000	9.032000	276.5600
14.30000	0.973000	9.226000	298.8100
14.50000	0.982000	9.422000	321.7120
14.70000	0.991000	9.619000	345.2460
14.90000	1.000000	9.819000	369.3950
15.10000	1.009000	10.02000	394.1430
15.30000	1.018000	10.22300	419.4740
15.50000	1.027000	10.42800	445.3750
15.70000	1.037000	10.63400	471.8340
15.90000	1.046000	10.84300	498.8380
16.10000	1.055000	11.05300	526.3760
16.30000	1.064000	11.26500	554.4380
16.50000	1.073000	11.47900	583.0130
16.70000	1.082000	11.69500	612.0920
16.90000	1.091000	11.91300	641.6660

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17.10000  1.101000  12.13200  671.7280
17.30000  1.110000  12.35400  702.2680
17.50000  1.119000  12.57700  733.2790
17.70000  1.128000  12.80200  764.7550
17.90000  1.137000  13.02900  796.6870
18.10000  1.146000  13.25700  829.0700
18.30000  1.156000  13.48800  861.8970
18.50000  1.165000  13.72000  895.1620
18.70000  1.174000  13.95400  9999.000
END FTABLE  5
FTABLE      6
 81    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.100000  0.350000  0.035000  0.035000
0.200000  0.360000  0.070000  0.099000
0.300000  0.364000  0.107000  0.182000
0.400000  0.369000  0.144000  0.258000
0.500000  0.373000  0.181000  0.309000
0.600000  0.377000  0.219000  0.352000
0.700000  0.382000  0.257000  0.391000
0.800000  0.386000  0.296000  0.426000
0.900000  0.391000  0.335000  0.458000
1.000000  0.395000  0.374000  0.488000
1.100000  0.400000  0.414000  0.517000
1.200000  0.404000  0.454000  0.544000
1.300000  0.409000  0.495000  0.570000
1.400000  0.413000  0.536000  0.594000
1.500000  0.418000  0.578000  0.618000
1.600000  0.422000  0.620000  0.641000
1.700000  0.426000  0.662000  0.662000
1.800000  0.431000  0.705000  0.684000
1.900000  0.435000  0.749000  0.704000
2.000000  0.440000  0.793000  0.724000
2.100000  0.444000  0.837000  0.744000
2.200000  0.449000  0.881000  0.763000
2.300000  0.453000  0.927000  0.781000
2.400000  0.457000  0.972000  0.800000
2.500000  0.462000  1.018000  0.817000
2.600000  0.466000  1.064000  0.835000
2.700000  0.471000  1.111000  0.852000
2.800000  0.475000  1.158000  0.868000
2.900000  0.479000  1.206000  0.885000
3.000000  0.484000  1.254000  0.901000
3.100000  0.488000  1.303000  0.916000
3.200000  0.493000  1.352000  0.932000
3.300000  0.497000  1.401000  0.947000
3.400000  0.501000  1.451000  0.962000
3.500000  0.506000  1.501000  0.977000
3.600000  0.510000  1.552000  0.991000
3.700000  0.514000  1.603000  1.006000
3.800000  0.519000  1.655000  1.020000
3.900000  0.523000  1.707000  1.034000
4.000000  0.527000  1.759000  1.047000
4.100000  0.532000  1.812000  1.061000
4.200000  0.536000  1.865000  1.074000
4.300000  0.540000  1.919000  1.088000
4.400000  0.545000  1.973000  1.101000
4.500000  0.549000  2.028000  1.114000
4.600000  0.553000  2.083000  1.126000
4.700000  0.558000  2.138000  1.139000
4.800000  0.562000  2.194000  1.152000
4.900000  0.566000  2.250000  1.164000
5.000000  0.571000  2.307000  1.176000
5.100000  0.575000  2.364000  1.188000
5.200000  0.579000  2.422000  1.200000
5.300000  0.584000  2.480000  1.212000
5.400000  0.588000  2.539000  1.224000
5.500000  0.592000  2.598000  1.236000
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5.600000  0.597000  2.657000  1.247000
5.700000  0.601000  2.717000  1.258000
5.800000  0.605000  2.777000  1.270000
5.900000  0.609000  2.837000  1.281000
6.000000  0.614000  2.899000  1.292000
6.100000  0.618000  2.960000  1.303000
6.200000  0.622000  3.022000  1.314000
6.300000  0.627000  3.084000  1.325000
6.400000  0.631000  3.147000  1.336000
6.500000  0.635000  3.210000  1.346000
6.600000  0.639000  3.274000  1.357000
6.700000  0.644000  3.338000  1.367000
6.800000  0.648000  3.403000  1.378000
6.900000  0.652000  3.468000  1.388000
7.000000  0.656000  3.533000  1.399000
7.100000  0.661000  3.599000  1.409000
7.200000  0.665000  3.665000  1.419000
7.300000  0.669000  3.732000  1.429000
7.400000  0.673000  3.799000  1.439000
7.500000  0.677000  3.867000  1.449000
7.600000  0.682000  3.935000  1.459000
7.700000  0.686000  4.003000  1.679000
7.800000  0.690000  4.072000  2.074000
7.900000  0.694000  4.141000  2.582000
8.000000  0.699000  4.211000  999.0000
END FTABLE  6
FTABLE     48
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.235308  0.000000  0.000000
0.111111  0.240537  0.026436  0.806799
0.222222  0.245767  0.053453  2.529307
0.333333  0.250997  0.081051  4.914880
0.444444  0.256226  0.109230  7.856487
0.555556  0.261456  0.137990  11.28874
0.666667  0.266686  0.167331  15.16677
0.777778  0.271916  0.197253  19.45791
0.888889  0.277145  0.227757  24.13744
1.000000  0.282375  0.258841  29.18625
1.111111  0.287605  0.290507  34.58926
1.222222  0.292835  0.322754  40.33447
1.333333  0.298065  0.355581  46.41225
1.444444  0.303295  0.388990  52.81484
1.555556  0.308525  0.422980  59.53596
1.666667  0.313755  0.457551  66.57055
1.777778  0.318985  0.492704  73.91453
1.888889  0.324215  0.528437  81.56467
2.000000  0.329445  0.564751  89.51841
2.111111  0.334675  0.601647  97.77377
2.222222  0.339905  0.639124  106.3293
2.333333  0.345135  0.677181  115.1838
2.444444  0.350366  0.715820  124.3367
2.555556  0.355596  0.755040  133.7876
2.666667  0.360826  0.794842  143.5363
2.777778  0.366056  0.835224  153.5829
2.888889  0.371287  0.876187  163.9278
3.000000  0.376517  0.917732  174.5714
3.111111  0.381747  0.959858  185.5143
3.222222  0.386978  1.002565  196.7574
3.333333  0.392208  1.045853  208.3015
3.444444  0.397438  1.089722  220.1476
3.555556  0.402669  1.134173  232.2969
3.666667  0.407899  1.179204  244.7504
3.777778  0.413130  1.224817  257.5096
3.888889  0.418360  1.271011  270.5756
4.000000  0.423591  1.317786  283.9499
4.111111  0.428821  1.365142  297.6339
4.222222  0.434052  1.413079  311.6292
4.333333  0.439282  1.461598  325.9372
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4.444444  0.444513  1.510698  340.5594
4.555556  0.449744  1.560379  355.4976
4.666667  0.454974  1.610641  370.7534
4.777778  0.460205  1.661484  386.3283
4.888889  0.465436  1.712909  402.2242
5.000000  0.470667  1.764914  418.4426
5.111111  0.475897  1.817501  434.9854
5.222222  0.481128  1.870669  451.8543
5.333333  0.486359  1.924419  469.0510
5.444444  0.491590  1.978749  486.5773
5.555556  0.496821  2.033661  504.4351
5.666667  0.502052  2.089154  522.6261
5.777778  0.507283  2.145228  541.1521
5.888889  0.512514  2.201883  560.0150
6.000000  0.517745  2.259120  579.2166
6.111111  0.522976  2.316938  598.7587
6.222222  0.528207  2.375337  618.6433
6.333333  0.533438  2.434317  638.8720
6.444444  0.538669  2.493878  659.4469
6.555556  0.543900  2.554021  680.3697
6.666667  0.549131  2.614745  701.6423
6.777778  0.554362  2.676050  723.2666
6.888889  0.559593  2.737937  745.2445
7.000000  0.564825  2.800404  767.5778
7.111111  0.570056  2.863453  790.2685
7.222222  0.575287  2.927083  813.3183
7.333333  0.580518  2.991295  836.7292
7.444444  0.585750  3.056087  860.5030
7.555556  0.590981  3.121461  884.6417
7.666667  0.596213  3.187417  909.1471
7.777778  0.601444  3.253953  934.0210
7.888889  0.606675  3.321071  959.2654
8.000000  0.611907  3.388770  984.8822
8.111111  0.617138  3.457050  1010.873
8.222222  0.622370  3.525912  1037.240
8.333333  0.627601  3.595355  1063.985
8.444444  0.632833  3.665379  1091.110
8.555556  0.638064  3.735984  1118.617
8.666667  0.643296  3.807171  1146.507
8.777778  0.648528  3.878939  1174.783
8.888889  0.653759  3.951288  1203.446
9.000000  0.658991  4.024219  1232.498
9.111111  0.664223  4.097730  1261.941
9.222222  0.669454  4.171824  1291.777
9.333333  0.674686  4.246498  1322.008
9.444444  0.679918  4.321754  1352.636
9.555556  0.685150  4.397591  1383.662
9.666667  0.690382  4.474009  1415.088
9.777778  0.695613  4.551009  1446.917
9.888889  0.700845  4.628590  1479.150
10.00000  0.706077  4.706752  1511.788
END FTABLE 48
FTABLE      7
 82    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.590000  0.006000  0.001000
0.100000  0.602000  0.057000  0.026000
0.200000  0.613000  0.118000  0.074000
0.300000  0.624000  0.180000  0.126000
0.400000  0.635000  0.242000  0.158000
0.500000  0.645000  0.306000  0.184000
0.600000  0.656000  0.371000  0.207000
0.700000  0.667000  0.437000  0.228000
0.800000  0.678000  0.504000  0.247000
0.900000  0.689000  0.573000  0.265000
1.000000  0.700000  0.642000  0.281000
1.100000  0.711000  0.712000  0.297000
1.200000  0.722000  0.784000  0.347000
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1.300000  0.733000  0.856000  0.425000
1.400000  0.744000  0.930000  0.522000
1.500000  0.755000  1.005000  0.634000
1.600000  0.766000  1.081000  0.758000
1.700000  0.777000  1.158000  0.894000
1.800000  0.788000  1.236000  1.037000
1.900000  0.799000  1.315000  1.132000
2.000000  0.810000  1.395000  1.218000
2.100000  0.821000  1.476000  1.297000
2.200000  0.832000  1.559000  1.370000
2.300000  0.842000  1.642000  1.440000
2.400000  0.853000  1.727000  1.506000
2.500000  0.864000  1.813000  1.569000
2.600000  0.875000  1.899000  1.629000
2.700000  0.886000  1.987000  1.687000
2.800000  0.897000  2.076000  1.743000
2.900000  0.908000  2.166000  1.797000
3.000000  0.919000  2.257000  1.850000
3.100000  0.930000  2.349000  1.900000
3.200000  0.941000  2.443000  1.950000
3.300000  0.951000  2.537000  1.998000
3.400000  0.962000  2.633000  2.045000
3.500000  0.973000  2.729000  2.091000
3.600000  0.984000  2.827000  2.136000
3.700000  0.995000  2.926000  2.180000
3.800000  1.006000  3.025000  2.223000
3.900000  1.017000  3.126000  2.265000
4.000000  1.027000  3.228000  2.307000
4.100000  1.038000  3.331000  2.347000
4.200000  1.049000  3.436000  2.387000
4.300000  1.060000  3.541000  2.427000
4.400000  1.071000  3.647000  2.465000
4.500000  1.082000  3.755000  2.503000
4.600000  1.092000  3.863000  2.541000
4.700000  1.103000  3.973000  2.578000
4.800000  1.114000  4.084000  2.614000
4.900000  1.125000  4.195000  2.650000
5.000000  1.136000  4.308000  2.685000
5.100000  1.147000  4.422000  2.720000
5.200000  1.157000  4.537000  2.755000
5.300000  1.168000  4.653000  2.789000
5.400000  1.179000  4.771000  2.822000
5.500000  1.190000  4.889000  2.855000
5.600000  1.201000  5.009000  2.888000
5.700000  1.211000  5.129000  2.921000
5.800000  1.222000  5.251000  2.953000
5.900000  1.233000  5.373000  2.985000
6.000000  1.244000  5.497000  3.016000
6.100000  1.254000  5.622000  3.047000
6.200000  1.265000  5.748000  3.078000
6.300000  1.276000  5.875000  3.108000
6.400000  1.287000  6.003000  3.138000
6.500000  1.298000  6.132000  3.168000
6.600000  1.308000  6.263000  3.198000
6.700000  1.319000  6.394000  3.227000
6.800000  1.330000  6.527000  3.256000
6.900000  1.341000  6.660000  3.285000
7.000000  1.351000  6.795000  3.314000
7.200000  1.373000  7.068000  3.370000
7.400000  1.394000  7.345000  3.425000
7.600000  1.416000  7.626000  3.480000
7.800000  1.437000  7.912000  3.534000
8.000000  1.459000  8.202000  3.586000
8.200000  1.480000  8.496000  3.639000
8.400000  1.501000  8.795000  3.690000
8.600000  1.523000  9.098000  3.741000
8.800000  1.544000  9.406000  3.790000
9.000000  1.565000  9.717000  999.0000
END FTABLE  7
FTABLE     54
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91 4

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.766299	0.000000	0.000000		
0.044444	0.769705	0.034133	0.301288		
0.088889	0.773112	0.068418	0.953820		
0.133333	0.776518	0.102854	1.869579		
0.177778	0.779924	0.137442	3.011553		
0.222222	0.783330	0.172181	4.356578		
0.266667	0.786736	0.207071	5.888099		
0.311111	0.790142	0.242113	7.593393		
0.355556	0.793548	0.277306	9.462229		
0.400000	0.796954	0.312651	11.48611		
0.444444	0.800361	0.348147	13.65783		
0.488889	0.803767	0.383794	15.97113		
0.533333	0.807173	0.419593	18.42056		
0.577778	0.810579	0.455543	21.00126		
0.622222	0.813985	0.491644	23.70888		
0.666667	0.817391	0.527897	26.53952		
0.711111	0.820797	0.564301	29.48962		
0.755556	0.824204	0.600857	32.55595		
0.800000	0.827610	0.637564	35.73553		
0.844444	0.831016	0.674422	39.02562		
0.888889	0.834422	0.711432	42.42370		
0.933333	0.837828	0.748593	45.92742		
0.977778	0.841234	0.785905	49.53461		
1.022222	0.844641	0.823369	53.24322		
1.066667	0.848047	0.860984	57.05137		
1.111111	0.851453	0.898751	60.95727		
1.155556	0.854859	0.936669	64.95925		
1.200000	0.858265	0.974739	69.05575		
1.244444	0.861671	1.012959	73.24529		
1.288889	0.865078	1.051332	77.52647		
1.333333	0.868484	1.089855	81.89800		
1.377778	0.871890	1.128530	86.35861		
1.422222	0.875296	1.167357	90.90715		
1.466667	0.878702	1.206334	95.54249		
1.511111	0.882109	1.245463	100.2636		
1.555556	0.885515	1.284744	105.0694		
1.600000	0.888921	1.324176	109.9590		
1.644444	0.892327	1.363759	114.9316		
1.688889	0.895733	1.403494	119.9861		
1.733333	0.899140	1.443380	125.1219		
1.777778	0.902546	1.483417	130.3381		
1.822222	0.905952	1.523606	135.6340		
1.866667	0.909358	1.563946	141.0089		
1.911111	0.912765	1.604438	146.4621		
1.955556	0.916171	1.645081	151.9929		
2.000000	0.919577	1.685875	157.6008		
2.044444	0.922983	1.726821	163.2851		
2.088889	0.926390	1.767918	169.0454		
2.133333	0.929796	1.809167	174.8810		
2.177778	0.933202	1.850567	180.7914		
2.222222	0.936608	1.892118	186.7761		
2.266667	0.940015	1.933821	192.8348		
2.311111	0.943421	1.975675	198.9668		
2.355556	0.946827	2.017681	205.1719		
2.400000	0.950233	2.059838	211.4495		
2.444444	0.953640	2.102146	217.7993		
2.488889	0.957046	2.144605	224.2209		
2.533333	0.960452	2.187217	230.7140		
2.577778	0.963858	2.229979	237.2781		
2.622222	0.967265	2.272893	243.9130		
2.666667	0.970671	2.315958	250.6183		
2.711111	0.974077	2.359175	257.3938		
2.755556	0.977484	2.402543	264.2391		
2.800000	0.980890	2.446062	271.1539		
2.844444	0.984296	2.489733	278.1380		
2.888889	0.987702	2.533555	285.1912		
2.933333	0.991109	2.577529	292.3131		

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2.977778  0.994515  2.621654  299.5036
3.022222  0.997921  2.665930  306.7624
3.066667  1.001328  2.710358  314.0893
3.111111  1.004734  2.754937  321.4841
3.155556  1.008140  2.799667  328.9466
3.200000  1.011547  2.844549  336.4766
3.244444  1.014953  2.889583  344.0739
3.288889  1.018359  2.934767  351.7383
3.333333  1.021766  2.980104  359.4697
3.377778  1.025172  3.025591  367.2679
3.422222  1.028578  3.071230  375.1328
3.466667  1.031985  3.117020  383.0642
3.511111  1.035391  3.162962  391.0620
3.555556  1.038797  3.209055  399.1260
3.600000  1.042204  3.255299  407.2561
3.644444  1.045610  3.301695  415.4522
3.688889  1.049016  3.348243  423.7142
3.733333  1.052423  3.394941  432.0420
3.777778  1.055829  3.441791  440.4354
3.822222  1.059235  3.488793  448.8944
3.866667  1.062642  3.535945  457.4189
3.911111  1.066048  3.583250  466.0088
3.955556  1.069454  3.630705  474.6639
4.000000  1.072861  3.678312  483.3843
END FTABLE 54
FTABLE     43
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.342700  0.000000  0.000000
0.044444  0.345239  0.015288  0.227257
0.088889  0.347777  0.030688  0.718160
0.133333  0.350316  0.046201  1.405264
0.177778  0.352855  0.061827  2.259970
0.222222  0.355394  0.077566  3.264324
0.266667  0.357933  0.093418  4.405488
0.311111  0.360472  0.109382  5.673620
0.355556  0.363011  0.125460  7.060835
0.400000  0.365549  0.141650  8.560625
0.444444  0.368088  0.157953  10.16750
0.488889  0.370627  0.174369  11.87673
0.533333  0.373166  0.190898  13.68425
0.577778  0.375705  0.207539  15.58644
0.622222  0.378244  0.224293  17.58012
0.666667  0.380783  0.241161  19.66246
0.711111  0.383322  0.258141  21.83090
0.755556  0.385861  0.275234  24.08315
0.800000  0.388399  0.292440  26.41713
0.844444  0.390938  0.309758  28.83095
0.888889  0.393477  0.327190  31.32287
0.933333  0.396016  0.344734  33.89134
0.977778  0.398555  0.362391  36.53489
1.022222  0.401094  0.380161  39.25220
1.066667  0.403633  0.398044  42.04205
1.111111  0.406172  0.416040  44.90330
1.155556  0.408711  0.434148  47.83492
1.200000  0.411250  0.452369  50.83594
1.244444  0.413789  0.470704  53.90546
1.288889  0.416328  0.489151  57.04266
1.333333  0.418867  0.507711  60.24677
1.377778  0.421406  0.526383  63.51707
1.422222  0.423945  0.545169  66.85291
1.466667  0.426484  0.564067  70.25365
1.511111  0.429023  0.583078  73.71873
1.555556  0.431562  0.602203  77.24761
1.600000  0.434101  0.621440  80.83979
1.644444  0.436640  0.640789  84.49481
1.688889  0.439179  0.660252  88.21224
1.733333  0.441718  0.679827  91.99167
1.777778  0.444257  0.699516  95.83273
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1.822222  0.446796  0.719317  99.73507
1.866667  0.449335  0.739231  103.6984
1.911111  0.451874  0.759258  107.7223
1.955556  0.454413  0.779397  111.8066
2.000000  0.456952  0.799650  115.9510
2.044444  0.459491  0.820015  120.1553
2.088889  0.462030  0.840494  124.4193
2.133333  0.464569  0.861085  128.7426
2.177778  0.467108  0.881789  133.1252
2.222222  0.469647  0.902605  137.5669
2.266667  0.472186  0.923535  142.0675
2.311111  0.474725  0.944578  146.6268
2.355556  0.477264  0.965733  151.2447
2.400000  0.479803  0.987001  155.9211
2.444444  0.482342  1.008382  160.6559
2.488889  0.484882  1.029876  165.4489
2.533333  0.487421  1.051483  170.3001
2.577778  0.489960  1.073202  175.2094
2.622222  0.492499  1.095035  180.1766
2.666667  0.495038  1.116980  185.2019
2.711111  0.497577  1.139038  190.2849
2.755556  0.500116  1.161209  195.4258
2.800000  0.502655  1.183493  200.6245
2.844444  0.505194  1.205889  205.8809
2.888889  0.507734  1.228399  211.1951
2.933333  0.510273  1.251021  216.5669
2.977778  0.512812  1.273757  221.9963
3.022222  0.515351  1.296605  227.4834
3.066667  0.517890  1.319566  233.0282
3.111111  0.520429  1.342639  238.6306
3.155556  0.522968  1.365826  244.2906
3.200000  0.525508  1.389125  250.0082
3.244444  0.528047  1.412538  255.7836
3.288889  0.530586  1.436063  261.6165
3.333333  0.533125  1.459701  267.5072
3.377778  0.535664  1.483452  273.4556
3.422222  0.538204  1.507315  279.4618
3.466667  0.540743  1.531292  285.5257
3.511111  0.543282  1.555382  291.6474
3.555556  0.545821  1.579584  297.8270
3.600000  0.548360  1.603899  304.0644
3.644444  0.550900  1.628327  310.3598
3.688889  0.553439  1.652868  316.7132
3.733333  0.555978  1.677521  323.1246
3.777778  0.558517  1.702288  329.5941
3.822222  0.561056  1.727167  336.1217
3.866667  0.563596  1.752160  342.7075
3.911111  0.566135  1.777265  349.3516
3.955556  0.568674  1.802483  356.0540
4.000000  0.571213  1.827814  362.8147
END FTABLE 43
FTABLE     56
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.515152  0.000000  0.000000
0.222222  0.529462  0.116068  2.183471
0.444444  0.543772  0.235316  6.827425
0.666667  0.558083  0.357745  13.24001
0.888889  0.572393  0.483353  21.13155
1.111111  0.586703  0.612142  30.32858
1.333333  0.601014  0.744110  40.71494
1.555556  0.615324  0.879259  52.20827
1.777778  0.629635  1.017588  64.74812
2.000000  0.643945  1.159096  78.28920
2.222222  0.658256  1.303785  92.79709
2.444444  0.672566  1.451655  108.2455
2.666667  0.686877  1.602704  124.6143
2.888889  0.701188  1.756933  141.8882
3.111111  0.715498  1.914343  160.0556
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3.333333	0.729809	2.074933	179.1080
3.555556	0.744120	2.238702	199.0392
3.777778	0.758431	2.405652	219.8453
4.000000	0.772741	2.575783	241.5236
4.222222	0.787052	2.749093	264.0732
4.444444	0.801363	2.925584	287.4941
4.666667	0.815674	3.105254	311.7873
4.888889	0.829985	3.288105	336.9546
5.111111	0.844296	3.474137	362.9987
5.333333	0.858607	3.663348	389.9225
5.555556	0.872918	3.855740	417.7297
5.777778	0.887229	4.051311	446.4244
6.000000	0.901540	4.250063	476.0110
6.222222	0.915851	4.451996	506.4943
6.444444	0.930162	4.657108	537.8792
6.666667	0.944473	4.865401	570.1711
6.888889	0.958784	5.076874	603.3755
7.111111	0.973096	5.291528	637.4981
7.333333	0.987407	5.509361	672.5446
7.555556	1.001718	5.730375	708.5211
7.777778	1.016029	5.954569	745.4337
8.000000	1.030341	6.181944	783.2887
8.222222	1.044652	6.412498	822.0923
8.444444	1.058963	6.646233	861.8509
8.666667	1.073275	6.883149	902.5710
8.888889	1.087586	7.123244	944.2592
9.111111	1.101898	7.366520	986.9220
9.333333	1.116209	7.612977	1030.566
9.555556	1.130521	7.862613	1075.198
9.777778	1.144832	8.115430	1120.825
10.00000	1.159144	8.371428	1167.453
10.22222	1.173455	8.630605	1215.090
10.44444	1.187767	8.892963	1263.741
10.66667	1.202079	9.158502	1313.414
10.88889	1.216390	9.427221	1364.116
11.11111	1.230702	9.699120	1415.853
11.33333	1.245014	9.974199	1468.633
11.55556	1.259326	10.25246	1522.462
11.77778	1.273637	10.53390	1577.347
12.00000	1.287949	10.81852	1633.295
12.22222	1.302261	11.10632	1690.313
12.44444	1.316573	11.39730	1748.407
12.66667	1.330885	11.69147	1807.585
12.88889	1.345197	11.98881	1867.854
13.11111	1.359509	12.28933	1929.219
13.33333	1.373821	12.59303	1991.689
13.55556	1.388133	12.89992	2055.270
13.77778	1.402445	13.20998	2119.969
14.00000	1.416757	13.52323	2185.792
14.22222	1.431069	13.83965	2252.747
14.44444	1.445381	14.15926	2320.840
14.66667	1.459694	14.48204	2390.079
14.88889	1.474006	14.80801	2460.469
15.11111	1.488318	15.13716	2532.018
15.33333	1.502630	15.46948	2604.733
15.55556	1.516943	15.80499	2678.620
15.77778	1.531255	16.14368	2753.686
16.00000	1.545567	16.48555	2829.938
16.22222	1.559880	16.83060	2907.382
16.44444	1.574192	17.17883	2986.026
16.66667	1.588505	17.53024	3065.876
16.88889	1.602817	17.88483	3146.938
17.11111	1.617130	18.24260	3229.220
17.33333	1.631442	18.60356	3312.728
17.55556	1.645755	18.96769	3397.469
17.77778	1.660067	19.33500	3483.449
18.00000	1.674380	19.70550	3570.675
18.22222	1.688693	20.07917	3659.154
18.44444	1.703005	20.45603	3748.892
18.66667	1.717318	20.83606	3839.896

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18.88889  1.731631  21.21928  3932.173
19.11111  1.745943  21.60568  4025.728
19.33333  1.760256  21.99525  4120.569
19.55556  1.774569  22.38801  4216.703
19.77778  1.788882  22.78395  4314.135
20.00000  1.803195  23.18307  4412.872
END FTABLE 56
FTABLE     59
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.549816  0.000000  0.000000
0.066667  0.553482  0.036777  0.525649
0.133333  0.557148  0.073798  1.661848
0.200000  0.560814  0.111063  3.253183
0.266667  0.564480  0.148573  5.233866
0.333333  0.568146  0.186327  7.562607
0.400000  0.571811  0.224326  10.20988
0.466667  0.575477  0.262569  13.15301
0.533333  0.579143  0.301056  16.37383
0.600000  0.582809  0.339788  19.85729
0.666667  0.586475  0.378764  23.59068
0.733333  0.590141  0.417984  27.56307
0.800000  0.593807  0.457449  31.76491
0.866667  0.597473  0.497158  36.18783
0.933333  0.601139  0.537112  40.82438
1.000000  0.604804  0.577310  45.66787
1.066667  0.608470  0.617753  50.71233
1.133333  0.612136  0.658440  55.95231
1.200000  0.615802  0.699371  61.38289
1.266667  0.619468  0.740547  66.99956
1.333333  0.623134  0.781967  72.79822
1.400000  0.626800  0.823631  78.77508
1.466667  0.630466  0.865540  84.92665
1.533333  0.634132  0.907693  91.24974
1.600000  0.637798  0.950091  97.74138
1.666667  0.641464  0.992733  104.3988
1.733333  0.645130  1.035619  111.2195
1.800000  0.648796  1.078750  118.2010
1.866667  0.652462  1.122126  125.3412
1.933333  0.656128  1.165745  132.6381
2.000000  0.659794  1.209609  140.0896
2.066667  0.663460  1.253718  147.6941
2.133333  0.667126  1.298071  155.4497
2.200000  0.670792  1.342668  163.3551
2.266667  0.674458  1.387509  171.4087
2.333333  0.678124  1.432596  179.6091
2.400000  0.681790  1.477926  187.9551
2.466667  0.685456  1.523501  196.4455
2.533333  0.689122  1.569320  205.0791
2.600000  0.692788  1.615384  213.8549
2.666667  0.696454  1.661692  222.7718
2.733333  0.700120  1.708244  231.8291
2.800000  0.703786  1.755041  241.0257
2.866667  0.707452  1.802082  250.3609
2.933333  0.711118  1.849368  259.8339
3.000000  0.714784  1.896898  269.4440
3.066667  0.718450  1.944673  279.1905
3.133333  0.722116  1.992691  289.0728
3.200000  0.725782  2.040955  299.0903
3.266667  0.729448  2.089462  309.2424
3.333333  0.733115  2.138215  319.5286
3.400000  0.736781  2.187211  329.9485
3.466667  0.740447  2.236452  340.5015
3.533333  0.744113  2.285937  351.1873
3.600000  0.747779  2.335667  362.0054
3.666667  0.751445  2.385641  372.9556
3.733333  0.755111  2.435860  384.0373
3.800000  0.758777  2.486323  395.2504
3.866667  0.762444  2.537030  406.5946
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3.933333  0.766110  2.587982  418.0695
4.000000  0.769776  2.639178  429.6749
4.066667  0.773442  2.690619  441.4106
4.133333  0.777108  2.742304  453.2764
4.200000  0.780774  2.794233  465.2720
4.266667  0.784440  2.846407  477.3973
4.333333  0.788107  2.898825  489.6522
4.400000  0.791773  2.951488  502.0365
4.466667  0.795439  3.004395  514.5500
4.533333  0.799105  3.057546  527.1926
4.600000  0.802771  3.110942  539.9643
4.666667  0.806438  3.164582  552.8650
4.733333  0.810104  3.218467  565.8945
4.800000  0.813770  3.272596  579.0529
4.866667  0.817436  3.326970  592.3400
4.933333  0.821102  3.381588  605.7558
5.000000  0.824769  3.436450  619.3003
5.066667  0.828435  3.491557  632.9735
5.133333  0.832101  3.546908  646.7753
5.200000  0.835767  3.602504  660.7058
5.266667  0.839434  3.658344  674.7649
5.333333  0.843100  3.714428  688.9527
5.400000  0.846766  3.770757  703.2692
5.466667  0.850432  3.827330  717.7144
5.533333  0.854099  3.884148  732.2884
5.600000  0.857765  3.941210  746.9912
5.666667  0.861431  3.998517  761.8229
5.733333  0.865097  4.056068  776.7834
5.800000  0.868764  4.113863  791.8730
5.866667  0.872430  4.171903  807.0916
5.933333  0.876096  4.230187  822.4394
6.000000  0.879763  4.288716  837.9164
END FTABLE 59
FTABLE     60
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.590220  0.000000  0.000000
0.066667  0.592844  0.039435  0.478465
0.133333  0.595467  0.079046  1.514728
0.200000  0.598091  0.118831  2.969012
0.266667  0.600714  0.158791  4.782540
0.333333  0.603337  0.198926  6.918527
0.400000  0.605961  0.239236  9.350680
0.466667  0.608584  0.279721  12.05880
0.533333  0.611208  0.320381  15.02663
0.600000  0.613831  0.361215  18.24069
0.666667  0.616455  0.402225  21.68951
0.733333  0.619078  0.443409  25.36319
0.800000  0.621702  0.484769  29.25304
0.866667  0.624325  0.526303  33.35135
0.933333  0.626948  0.568012  37.65123
1.000000  0.629572  0.609896  42.14647
1.066667  0.632195  0.651955  46.83142
1.133333  0.634819  0.694189  51.70095
1.200000  0.637442  0.736597  56.75032
1.266667  0.640066  0.779181  61.97520
1.333333  0.642689  0.821940  67.37157
1.400000  0.645313  0.864873  72.93571
1.466667  0.647936  0.907981  78.66415
1.533333  0.650559  0.951264  84.55367
1.600000  0.653183  0.994723  90.60125
1.666667  0.655806  1.038356  96.80406
1.733333  0.658430  1.082163  103.1595
1.800000  0.661053  1.126146  109.6650
1.866667  0.663677  1.170304  116.3182
1.933333  0.666300  1.214636  123.1170
2.000000  0.668924  1.259144  130.0593
2.066667  0.671547  1.303826  137.1430
2.133333  0.674171  1.348684  144.3664
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2.200000  0.676794  1.393716  151.7276
2.266667  0.679418  1.438923  159.2250
2.333333  0.682041  1.484305  166.8570
2.400000  0.684665  1.529862  174.6220
2.466667  0.687288  1.575593  182.5187
2.533333  0.689912  1.621500  190.5457
2.600000  0.692535  1.667582  198.7017
2.666667  0.695159  1.713838  206.9853
2.733333  0.697782  1.760269  215.3956
2.800000  0.700406  1.806876  223.9312
2.866667  0.703029  1.853657  232.5912
2.933333  0.705653  1.900613  241.3746
3.000000  0.708276  1.947744  250.2802
3.066667  0.710900  1.995050  259.3073
3.133333  0.713523  2.042530  268.4549
3.200000  0.716147  2.090186  277.7222
3.266667  0.718770  2.138017  287.1084
3.333333  0.721394  2.186022  296.6125
3.400000  0.724017  2.234202  306.2340
3.466667  0.726641  2.282558  315.9721
3.533333  0.729264  2.331088  325.8262
3.600000  0.731888  2.379793  335.7954
3.666667  0.734511  2.428673  345.8793
3.733333  0.737135  2.477728  356.0773
3.800000  0.739758  2.526958  366.3886
3.866667  0.742382  2.576362  376.8129
3.933333  0.745005  2.625942  387.3495
4.000000  0.747629  2.675696  397.9980
4.066667  0.750252  2.725626  408.7579
4.133333  0.752876  2.775730  419.6287
4.200000  0.755499  2.826009  430.6099
4.266667  0.758123  2.876463  441.7011
4.333333  0.760747  2.927092  452.9020
4.400000  0.763370  2.977896  464.2121
4.466667  0.765994  3.028875  475.6311
4.533333  0.768617  3.080029  487.1585
4.600000  0.771241  3.131357  498.7941
4.666667  0.773864  3.182861  510.5375
4.733333  0.776488  3.234539  522.3884
4.800000  0.779111  3.286392  534.3464
4.866667  0.781735  3.338421  546.4114
4.933333  0.784359  3.390624  558.5830
5.000000  0.786982  3.443002  570.8610
5.066667  0.789606  3.495555  583.2451
5.133333  0.792229  3.548282  595.7350
5.200000  0.794853  3.601185  608.3306
5.266667  0.797476  3.654263  621.0316
5.333333  0.800100  3.707515  633.8377
5.400000  0.802723  3.760943  646.7489
5.466667  0.805347  3.814545  659.7649
5.533333  0.807971  3.868322  672.8855
5.600000  0.810594  3.922275  686.1105
5.666667  0.813218  3.976402  699.4398
5.733333  0.815841  4.030704  712.8733
5.800000  0.818465  4.085181  726.4107
5.866667  0.821089  4.139832  740.0519
5.933333  0.823712  4.194659  753.7969
6.000000  0.826336  4.249661  767.6454
END FTABLE 60
FTABLE      8
 74    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.600000  0.006000  0.001000
0.100000  0.611000  0.069000  0.035000
0.200000  0.620000  0.129000  0.099000
0.300000  0.630000  0.191000  0.182000
0.400000  0.640000  0.253000  0.258000
0.500000  0.650000  0.316000  0.309000
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0.600000  0.660000  0.380000  0.352000
0.700000  0.669000  0.445000  0.391000
0.800000  0.679000  0.511000  0.426000
0.900000  0.689000  0.579000  0.458000
1.000000  0.699000  0.647000  0.488000
1.100000  0.709000  0.716000  0.517000
1.200000  0.719000  0.786000  0.544000
1.300000  0.728000  0.858000  0.570000
1.400000  0.738000  0.930000  0.594000
1.500000  0.748000  1.003000  0.618000
1.600000  0.758000  1.078000  0.641000
1.700000  0.768000  1.153000  0.662000
1.800000  0.777000  1.229000  0.684000
1.900000  0.787000  1.307000  0.704000
2.000000  0.797000  1.385000  0.724000
2.100000  0.807000  1.464000  0.744000
2.200000  0.817000  1.545000  0.763000
2.300000  0.827000  1.626000  0.781000
2.400000  0.836000  1.709000  0.800000
2.500000  0.846000  1.792000  0.817000
2.600000  0.856000  1.877000  0.835000
2.700000  0.866000  1.962000  0.852000
2.800000  0.876000  2.049000  0.868000
2.900000  0.886000  2.136000  0.885000
3.000000  0.895000  2.225000  0.901000
3.100000  0.905000  2.314000  0.954000
3.200000  0.915000  2.405000  1.125000
3.300000  0.925000  2.496000  1.363000
3.400000  0.935000  2.589000  1.652000
3.500000  0.944000  2.682000  1.982000
3.600000  0.954000  2.777000  2.310000
3.700000  0.964000  2.873000  2.528000
3.800000  0.974000  2.969000  2.722000
3.900000  0.984000  3.067000  2.899000
4.000000  0.994000  3.166000  3.062000
4.100000  1.003000  3.265000  3.214000
4.200000  1.013000  3.366000  3.358000
4.300000  1.023000  3.468000  3.495000
4.400000  1.033000  3.571000  3.626000
4.500000  1.043000  3.674000  3.751000
4.600000  1.052000  3.779000  3.871000
4.700000  1.062000  3.885000  3.988000
4.800000  1.072000  3.992000  4.495000
4.900000  1.082000  4.099000  5.326000
5.000000  1.092000  4.208000  6.367000
5.100000  1.102000  4.318000  7.577000
5.200000  1.111000  4.429000  8.934000
5.300000  1.121000  4.541000  10.42100
5.400000  1.131000  4.654000  12.02600
5.500000  1.141000  4.768000  13.74200
5.600000  1.151000  4.883000  15.56000
5.700000  1.161000  4.999000  17.47600
5.800000  1.170000  5.115000  19.48300
5.900000  1.180000  5.233000  21.57800
6.000000  1.190000  5.352000  23.75700
6.100000  1.200000  5.472000  26.01700
6.200000  1.210000  5.593000  28.35500
6.300000  1.219000  5.715000  30.76800
6.400000  1.229000  5.838000  33.25300
6.500000  1.239000  5.962000  35.81000
6.600000  1.249000  6.088000  38.43500
6.700000  1.259000  6.214000  40.96100
6.800000  1.269000  6.341000  42.67200
6.900000  1.278000  6.469000  44.31200
7.000000  1.288000  6.598000  45.89000
7.200000  1.308000  6.859000  48.88500
7.400000  1.327000  7.125000  999.0000
END FTABLE  8
FTABLE     61
 91    4
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Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.458333	0.000000	0.000000		
0.111111	0.461729	0.051115	1.413369		
0.222222	0.465125	0.102606	4.466411		
0.333333	0.468520	0.154476	8.739676		
0.444444	0.471916	0.206722	14.05530		
0.555556	0.475312	0.259346	20.30162		
0.666667	0.478707	0.312347	27.39879		
0.777778	0.482103	0.365725	35.28561		
0.888889	0.485499	0.419481	43.91304		
1.000000	0.488894	0.473614	53.24059		
1.111111	0.492290	0.528124	63.23411		
1.222222	0.495686	0.583012	73.86428		
1.333333	0.499082	0.638276	85.10565		
1.444444	0.502477	0.693919	96.93583		
1.555556	0.505873	0.749938	109.3350		
1.666667	0.509269	0.806335	122.2856		
1.777778	0.512665	0.863109	135.7717		
1.888889	0.516060	0.920260	149.7790		
2.000000	0.519456	0.977789	164.2945		
2.111111	0.522852	1.035695	179.3066		
2.222222	0.526248	1.093978	194.8045		
2.333333	0.529644	1.152639	210.7784		
2.444444	0.533039	1.211677	227.2193		
2.555556	0.536435	1.271092	244.1189		
2.666667	0.539831	1.330885	261.4696		
2.777778	0.543227	1.391055	279.2645		
2.888889	0.546623	1.451602	297.4969		
3.000000	0.550019	1.512526	316.1610		
3.111111	0.553414	1.573828	335.2511		
3.222222	0.556810	1.635507	354.7621		
3.333333	0.560206	1.697564	374.6892		
3.444444	0.563602	1.759998	395.0280		
3.555556	0.566998	1.822809	415.7744		
3.666667	0.570394	1.885997	436.9244		
3.777778	0.573790	1.949563	458.4746		
3.888889	0.577186	2.013506	480.4215		
4.000000	0.580582	2.077826	502.7622		
4.111111	0.583978	2.142524	525.4937		
4.222222	0.587374	2.207599	548.6132		
4.333333	0.590770	2.273052	572.1184		
4.444444	0.594166	2.338881	596.0069		
4.555556	0.597562	2.405088	620.2765		
4.666667	0.600958	2.471673	644.9252		
4.777778	0.604354	2.538635	669.9510		
4.888889	0.607750	2.605974	695.3524		
5.000000	0.611146	2.673690	721.1276		
5.111111	0.614542	2.741784	747.2750		
5.222222	0.617938	2.810255	773.7935		
5.333333	0.621334	2.879103	800.6815		
5.444444	0.624730	2.948329	827.9380		
5.555556	0.628126	3.017932	855.5618		
5.666667	0.631522	3.087912	883.5519		
5.777778	0.634918	3.158270	911.9074		
5.888889	0.638314	3.229005	940.6273		
6.000000	0.641710	3.300118	969.7110		
6.111111	0.645106	3.371608	999.1577		
6.222222	0.648502	3.443475	1028.967		
6.333333	0.651898	3.515719	1059.137		
6.444444	0.655295	3.588341	1089.669		
6.555556	0.658691	3.661340	1120.562		
6.666667	0.662087	3.734717	1151.815		
6.777778	0.665483	3.808471	1183.428		
6.888889	0.668879	3.882602	1215.400		
7.000000	0.672275	3.957110	1247.732		
7.111111	0.675671	4.031996	1280.423		
7.222222	0.679068	4.107260	1313.473		
7.333333	0.682464	4.182900	1346.882		
7.444444	0.685860	4.258918	1380.649		

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7.555556  0.689256  4.335314  1414.774
7.666667  0.692652  4.412086  1449.258
7.777778  0.696049  4.489236  1484.101
7.888889  0.699445  4.566764  1519.302
8.000000  0.702841  4.644669  1554.862
8.111111  0.706237  4.722951  1590.780
8.222222  0.709634  4.801610  1627.056
8.333333  0.713030  4.880647  1663.692
8.444444  0.716426  4.960061  1700.687
8.555556  0.719822  5.039853  1738.040
8.666667  0.723219  5.120022  1775.753
8.777778  0.726615  5.200568  1813.826
8.888889  0.730011  5.281492  1852.258
9.000000  0.733408  5.362793  1891.050
9.111111  0.736804  5.444471  1930.203
9.222222  0.740200  5.526527  1969.716
9.333333  0.743597  5.608960  2009.590
9.444444  0.746993  5.691771  2049.825
9.555556  0.750389  5.774959  2090.422
9.666667  0.753786  5.858524  2131.381
9.777778  0.757182  5.942467  2172.702
9.888889  0.760579  6.026787  2214.386
10.00000  0.763975  6.111484  2256.432
END FTABLE 61
FTABLE     34
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.465014  0.000000  0.000000
0.088889  0.471903  0.041641  0.344097
0.177778  0.478792  0.083894  1.082835
0.266667  0.485682  0.126759  2.110831
0.355556  0.492571  0.170237  3.383105
0.444444  0.499460  0.214328  4.871620
0.533333  0.506349  0.259030  6.556626
0.622222  0.513239  0.304345  8.423282
0.711111  0.520128  0.350273  10.45999
0.800000  0.527017  0.396812  12.65742
0.888889  0.533906  0.443964  15.00794
0.977778  0.540796  0.491729  17.50521
1.066667  0.547685  0.540106  20.14389
1.155556  0.554574  0.589095  22.91947
1.244444  0.561464  0.638697  25.82809
1.333333  0.568353  0.688911  28.86644
1.422222  0.575242  0.739737  32.03168
1.511111  0.582131  0.791176  35.32135
1.600000  0.589021  0.843227  38.73331
1.688889  0.595910  0.895891  42.26572
1.777778  0.602799  0.949167  45.91698
1.866667  0.609689  1.003055  49.68569
1.955556  0.616578  1.057556  53.57066
2.044444  0.623467  1.112669  57.57083
2.133333  0.630357  1.168395  61.68532
2.222222  0.637246  1.224733  65.91335
2.311111  0.644135  1.281683  70.25427
2.400000  0.651025  1.339246  74.70752
2.488889  0.657914  1.397421  79.27264
2.577778  0.664803  1.456208  83.94924
2.666667  0.671693  1.515608  88.73701
2.755556  0.678582  1.575620  93.63569
2.844444  0.685472  1.636245  98.64511
2.933333  0.692361  1.697482  103.7651
3.022222  0.699250  1.759331  108.9957
3.111111  0.706140  1.821793  114.3367
3.200000  0.713029  1.884867  119.7881
3.288889  0.719918  1.948554  125.3501
3.377778  0.726808  2.012853  131.0226
3.466667  0.733697  2.077764  136.8058
3.555556  0.740587  2.143288  142.6998
3.644444  0.747476  2.209424  148.7048
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3.733333  0.754366  2.276172  154.8208
3.822222  0.761255  2.343533  161.0482
3.911111  0.768144  2.411507  167.3872
4.000000  0.775034  2.480092  173.8379
4.088889  0.781923  2.549290  180.4006
4.177778  0.788813  2.619101  187.0756
4.266667  0.795702  2.689524  193.8632
4.355556  0.802592  2.760559  200.7636
4.444444  0.809481  2.832207  207.7773
4.533333  0.816370  2.904467  214.9044
4.622222  0.823260  2.977339  222.1454
4.711111  0.830149  3.050824  229.5005
4.800000  0.837039  3.124921  236.9702
4.888889  0.843928  3.199631  244.5547
4.977778  0.850818  3.274953  252.2545
5.066667  0.857707  3.350887  260.0699
5.155556  0.864597  3.427434  268.0013
5.244444  0.871486  3.504594  276.0491
5.333333  0.878376  3.582365  284.2136
5.422222  0.885265  3.660749  292.4954
5.511111  0.892155  3.739746  300.8947
5.600000  0.899044  3.819354  309.4120
5.688889  0.905934  3.899576  318.0477
5.777778  0.912823  3.980409  326.8022
5.866667  0.919713  4.061855  335.6759
5.955556  0.926602  4.143914  344.6693
6.044444  0.933492  4.226585  353.7828
6.133333  0.940381  4.309868  363.0168
6.222222  0.947271  4.393764  372.3717
6.311111  0.954160  4.478272  381.8480
6.400000  0.961050  4.563392  391.4462
6.488889  0.967940  4.649125  401.1666
6.577778  0.974829  4.735470  411.0097
6.666667  0.981719  4.822428  420.9760
6.755556  0.988608  4.909998  431.0658
6.844444  0.995498  4.998181  441.2797
6.933333  1.002387  5.086975  451.6181
7.022222  1.009277  5.176383  462.0815
7.111111  1.016166  5.266402  472.6702
7.200000  1.023056  5.357035  483.3848
7.288889  1.029946  5.448279  494.2257
7.377778  1.036835  5.540136  505.1934
7.466667  1.043725  5.632605  516.2883
7.555556  1.050614  5.725687  527.5109
7.644444  1.057504  5.819381  538.8616
7.733333  1.064394  5.913688  550.3409
7.822222  1.071283  6.008607  561.9493
7.911111  1.078173  6.104138  573.6872
8.000000  1.085062  6.200282  585.5551
END FTABLE 34
FTABLE      9
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.762948  0.000000  0.000000
0.088889  0.774251  0.068320  0.395642
0.177778  0.785554  0.137645  1.245041
0.266667  0.796857  0.207974  2.427028
0.355556  0.808160  0.279308  3.889886
0.444444  0.819463  0.351647  5.601376
0.533333  0.830766  0.424990  7.538791
0.622222  0.842070  0.499339  9.685068
0.711111  0.853373  0.574692  12.02687
0.800000  0.864676  0.651049  14.55346
0.888889  0.875979  0.728412  17.25609
0.977778  0.887282  0.806779  20.12744
1.066667  0.898585  0.886151  23.16139
1.155556  0.909889  0.966528  26.35274
1.244444  0.921192  1.047909  29.69706
1.333333  0.932495  1.130295  33.19056
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1.422222	0.943798	1.213686	36.82994
1.511111	0.955102	1.298081	40.61239
1.600000	0.966405	1.383482	44.53546
1.688889	0.977708	1.469887	48.59702
1.777778	0.989011	1.557296	52.79522
1.866667	1.000314	1.645711	57.12848
1.955556	1.011618	1.735130	61.59540
2.044444	1.022921	1.825554	66.19479
2.133333	1.034224	1.916983	70.92562
2.222222	1.045527	2.009416	75.78700
2.311111	1.056831	2.102854	80.77818
2.400000	1.068134	2.197297	85.89851
2.488889	1.079437	2.292745	91.14747
2.577778	1.090740	2.389197	96.52461
2.666667	1.102044	2.486654	102.0296
2.755556	1.113347	2.585116	107.6621
2.844444	1.124650	2.684582	113.4219
2.933333	1.135954	2.785054	119.3089
3.022222	1.147257	2.886530	125.3229
3.111111	1.158560	2.989011	131.4640
3.200000	1.169864	3.092496	137.7321
3.288889	1.181167	3.196986	144.1272
3.377778	1.192470	3.302481	150.6495
3.466667	1.203774	3.408981	157.2990
3.555556	1.215077	3.516486	164.0759
3.644444	1.226380	3.624995	170.9804
3.733333	1.237684	3.734509	178.0126
3.822222	1.248987	3.845027	185.1728
3.911111	1.260290	3.956551	192.4613
4.000000	1.271594	4.069079	199.8783
4.088889	1.282897	4.182612	207.4241
4.177778	1.294201	4.297150	215.0990
4.266667	1.305504	4.412692	222.9034
4.355556	1.316807	4.529239	230.8375
4.444444	1.328111	4.646791	238.9018
4.533333	1.339414	4.765348	247.0965
4.622222	1.350718	4.884909	255.4222
4.711111	1.362021	5.005475	263.8791
4.800000	1.373324	5.127046	272.4677
4.888889	1.384628	5.249622	281.1884
4.977778	1.395931	5.373202	290.0416
5.066667	1.407235	5.497787	299.0277
5.155556	1.418538	5.623377	308.1472
5.244444	1.429842	5.749972	317.4005
5.333333	1.441145	5.877571	326.7881
5.422222	1.452448	6.006176	336.3104
5.511111	1.463752	6.135784	345.9679
5.600000	1.475055	6.266398	355.7611
5.688889	1.486359	6.398017	365.6903
5.777778	1.497662	6.530640	375.7563
5.866667	1.508966	6.664268	385.9593
5.955556	1.520269	6.798900	396.2998
6.044444	1.531573	6.934538	406.7785
6.133333	1.542876	7.071180	417.3957
6.222222	1.554180	7.208827	428.1520
6.311111	1.565483	7.347479	439.0478
6.400000	1.576787	7.487135	450.0838
6.488889	1.588090	7.627796	461.2603
6.577778	1.599394	7.769462	472.5778
6.666667	1.610698	7.912133	484.0370
6.755556	1.622001	8.055808	495.6383
6.844444	1.633305	8.200489	507.3822
6.933333	1.644608	8.346174	519.2693
7.022222	1.655912	8.492863	531.3000
7.111111	1.667215	8.640558	543.4749
7.200000	1.678519	8.789257	555.7946
7.288889	1.689822	8.938961	568.2594
7.377778	1.701126	9.089670	580.8700
7.466667	1.712430	9.241384	593.6269
7.555556	1.723733	9.394102	606.5306

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7.644444  1.735037  9.547825  619.5816
7.733333  1.746340  9.702553  632.7805
7.822222  1.757644  9.858286  646.1278
7.911111  1.768948  10.01502  659.6240
8.000000  1.780251  10.17277  673.2697
END FTABLE  9
FTABLE     10
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.136915  0.000000  0.000000
0.066667  0.139197  0.009204  0.224683
0.133333  0.141479  0.018560  0.706357
0.200000  0.143761  0.028068  1.375773
0.266667  0.146043  0.037728  2.203399
0.333333  0.148325  0.047540  3.170899
0.400000  0.150607  0.057504  4.265435
0.466667  0.152889  0.067621  5.477427
0.533333  0.155172  0.077890  6.799442
0.600000  0.157454  0.088310  8.225560
0.666667  0.159736  0.098883  9.750975
0.733333  0.162018  0.109609  11.37173
0.800000  0.164300  0.120486  13.08454
0.866667  0.166582  0.131515  14.88664
0.933333  0.168864  0.142697  16.77571
1.000000  0.171147  0.154031  18.74977
1.066667  0.173429  0.165516  20.80716
1.133333  0.175711  0.177154  22.94644
1.200000  0.177993  0.188944  25.16640
1.266667  0.180275  0.200887  27.46600
1.333333  0.182558  0.212981  29.84436
1.400000  0.184840  0.225228  32.30074
1.466667  0.187122  0.237627  34.83450
1.533333  0.189404  0.250177  37.44512
1.600000  0.191687  0.262880  40.13216
1.666667  0.193969  0.275736  42.89525
1.733333  0.196251  0.288743  45.73411
1.800000  0.198533  0.301902  48.64850
1.866667  0.200816  0.315214  51.63826
1.933333  0.203098  0.328678  54.70325
2.000000  0.205380  0.342294  57.84340
2.066667  0.207662  0.356062  61.05866
2.133333  0.209945  0.369982  64.34902
2.200000  0.212227  0.384054  67.71451
2.266667  0.214509  0.398279  71.15518
2.333333  0.216791  0.412656  74.67111
2.400000  0.219074  0.427185  78.26241
2.466667  0.221356  0.441866  81.92920
2.533333  0.223638  0.456699  85.67161
2.600000  0.225921  0.471684  89.48983
2.666667  0.228203  0.486821  93.38401
2.733333  0.230485  0.502111  97.35436
2.800000  0.232768  0.517553  101.4011
2.866667  0.235050  0.533147  105.5244
2.933333  0.237332  0.548893  109.7245
3.000000  0.239615  0.564791  114.0017
3.066667  0.241897  0.580841  118.3562
3.133333  0.244180  0.597044  122.7882
3.200000  0.246462  0.613399  127.2981
3.266667  0.248744  0.629906  131.8861
3.333333  0.251027  0.646565  136.5524
3.400000  0.253309  0.663376  141.2975
3.466667  0.255592  0.680339  146.1215
3.533333  0.257874  0.697455  151.0247
3.600000  0.260156  0.714722  156.0075
3.666667  0.262439  0.732142  161.0702
3.733333  0.264721  0.749714  166.2131
3.800000  0.267004  0.767438  171.4365
3.866667  0.269286  0.785315  176.7407
3.933333  0.271568  0.803343  182.1260
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4.000000  0.273851  0.821524  187.5928
4.066667  0.276133  0.839857  193.1413
4.133333  0.278416  0.858342  198.7720
4.200000  0.280698  0.876979  204.4852
4.266667  0.282981  0.895768  210.2811
4.333333  0.285263  0.914710  216.1601
4.400000  0.287546  0.933803  222.1227
4.466667  0.289828  0.953049  228.1690
4.533333  0.292111  0.972447  234.2994
4.600000  0.294393  0.991997  240.5144
4.666667  0.296676  1.011699  246.8142
4.733333  0.298958  1.031554  253.1991
4.800000  0.301241  1.051560  259.6696
4.866667  0.303523  1.071719  266.2260
4.933333  0.305806  1.092030  272.8686
5.000000  0.308088  1.112493  279.5978
5.066667  0.310371  1.133109  286.4139
5.133333  0.312654  1.153876  293.3172
5.200000  0.314936  1.174796  300.3082
5.266667  0.317219  1.195868  307.3872
5.333333  0.319501  1.217092  314.5545
5.400000  0.321784  1.238468  321.8105
5.466667  0.324066  1.259996  329.1556
5.533333  0.326349  1.281677  336.5900
5.600000  0.328632  1.303509  344.1142
5.666667  0.330914  1.325494  351.7285
5.733333  0.333197  1.347631  359.4332
5.800000  0.335479  1.369920  367.2288
5.866667  0.337762  1.392362  375.1155
5.933333  0.340045  1.414955  383.0938
6.000000  0.342327  1.437701  391.1640
END FTABLE 10
FTABLE     11
 82    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.680000  0.007000  0.001000
0.200000  0.701000  0.139000  0.112000
0.300000  0.712000  0.209000  0.205000
0.400000  0.722000  0.281000  0.291000
0.500000  0.732000  0.354000  0.347000
0.600000  0.743000  0.428000  0.396000
0.700000  0.753000  0.503000  0.440000
0.800000  0.764000  0.579000  0.479000
0.900000  0.774000  0.656000  0.515000
1.000000  0.784000  0.734000  0.549000
1.100000  0.795000  0.813000  0.581000
1.200000  0.805000  0.893000  0.612000
1.300000  0.815000  0.974000  0.641000
1.400000  0.826000  1.056000  0.668000
1.500000  0.836000  1.139000  0.695000
1.600000  0.846000  1.223000  0.721000
1.700000  0.857000  1.308000  0.745000
1.800000  0.867000  1.395000  0.769000
1.900000  0.877000  1.482000  0.792000
2.000000  0.888000  1.570000  0.815000
2.100000  0.898000  1.659000  0.837000
2.200000  0.908000  1.750000  0.858000
2.300000  0.919000  1.841000  0.879000
2.400000  0.929000  1.933000  0.899000
2.500000  0.939000  2.027000  0.919000
2.600000  0.950000  2.121000  0.939000
2.700000  0.960000  2.216000  0.958000
2.800000  0.970000  2.313000  0.977000
2.900000  0.980000  2.410000  0.995000
3.000000  0.991000  2.509000  1.013000
3.100000  1.001000  2.608000  1.031000
3.200000  1.011000  2.709000  1.048000
3.300000  1.022000  2.810000  1.173000
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3.400000  1.032000  2.913000  1.413000
3.500000  1.042000  3.017000  1.723000
3.600000  1.052000  3.121000  2.088000
3.700000  1.063000  3.227000  2.502000
3.800000  1.073000  3.334000  2.832000
3.900000  1.083000  3.441000  3.079000
4.000000  1.093000  3.550000  3.301000
4.100000  1.104000  3.660000  3.505000
4.200000  1.114000  3.771000  3.694000
4.300000  1.124000  3.882000  3.871000
4.400000  1.134000  3.995000  4.039000
4.500000  1.145000  4.109000  4.199000
4.600000  1.155000  4.224000  4.352000
4.700000  1.165000  4.340000  4.499000
4.800000  1.175000  4.457000  4.640000
4.900000  1.186000  4.575000  4.776000
5.000000  1.196000  4.694000  4.908000
5.100000  1.206000  4.814000  5.037000
5.200000  1.216000  4.935000  5.161000
5.300000  1.226000  5.057000  5.394000
5.400000  1.237000  5.180000  5.981000
5.500000  1.247000  5.304000  6.765000
5.600000  1.257000  5.429000  7.698000
5.700000  1.267000  5.555000  8.755000
5.800000  1.277000  5.683000  9.923000
5.900000  1.288000  5.811000  11.18900
6.000000  1.298000  5.940000  12.54700
6.100000  1.308000  6.070000  13.98900
6.200000  1.318000  6.202000  15.51100
6.300000  1.328000  6.334000  17.10800
6.400000  1.338000  6.467000  18.77600
6.500000  1.349000  6.602000  20.51300
6.600000  1.359000  6.737000  22.31600
6.700000  1.369000  6.873000  24.18100
6.800000  1.379000  7.011000  26.10800
6.900000  1.389000  7.149000  28.09300
7.000000  1.399000  7.289000  30.13600
7.100000  1.409000  7.429000  32.23400
7.200000  1.420000  7.571000  34.38600
7.300000  1.430000  7.713000  36.59100
7.400000  1.440000  7.857000  38.84700
7.500000  1.450000  8.002000  41.15300
7.600000  1.460000  8.147000  43.50800
7.700000  1.470000  8.294000  45.91100
7.800000  1.480000  8.442000  48.36100
7.900000  1.490000  8.590000  50.85700
8.000000  1.501000  8.740000  53.39800
8.100000  1.511000  8.891000  999.0000
END FTABLE 11
FTABLE     12
 93    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  1.560000  0.016000  0.002000
0.100000  1.570000  0.158000  0.053000
0.200000  1.581000  0.316000  0.149000
0.300000  1.592000  0.474000  0.274000
0.400000  1.603000  0.633000  0.421000
0.500000  1.614000  0.794000  0.542000
0.600000  1.625000  0.956000  0.628000
0.700000  1.636000  1.118000  0.703000
0.800000  1.648000  1.282000  0.772000
0.900000  1.659000  1.447000  0.834000
1.000000  1.670000  1.614000  0.893000
1.100000  1.681000  1.781000  0.947000
1.200000  1.692000  1.949000  0.999000
1.300000  1.703000  2.119000  1.048000
1.400000  1.714000  2.289000  1.095000
1.500000  1.725000  2.461000  1.140000
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1.600000	1.737000	2.634000	1.183000
1.700000	1.748000	2.808000	1.225000
1.800000	1.759000	2.983000	1.266000
1.900000	1.770000	3.159000	1.305000
2.000000	1.781000	3.337000	1.343000
2.100000	1.792000	3.515000	1.485000
2.200000	1.803000	3.695000	1.714000
2.300000	1.815000	3.875000	1.998000
2.400000	1.826000	4.057000	2.327000
2.500000	1.837000	4.240000	2.696000
2.600000	1.848000	4.424000	3.099000
2.700000	1.859000	4.609000	3.534000
2.800000	1.870000	4.796000	3.998000
2.900000	1.881000	4.983000	4.489000
3.000000	1.892000	5.171000	5.006000
3.100000	1.904000	5.361000	5.435000
3.200000	1.915000	5.552000	5.764000
3.300000	1.926000	5.744000	6.070000
3.400000	1.937000	5.937000	6.623000
3.500000	1.948000	6.131000	7.380000
3.600000	1.959000	6.326000	8.265000
3.700000	1.970000	6.522000	9.255000
3.800000	1.981000	6.720000	10.33400
3.900000	1.993000	6.918000	11.49400
4.000000	2.004000	7.118000	12.72600
4.100000	2.015000	7.318000	14.02600
4.200000	2.026000	7.520000	15.39000
4.300000	2.037000	7.723000	16.81400
4.400000	2.048000	7.927000	18.29500
4.500000	2.059000	8.133000	19.83100
4.600000	2.070000	8.339000	21.41900
4.700000	2.082000	8.547000	23.05800
4.800000	2.093000	8.755000	24.74600
4.900000	2.104000	8.965000	26.48100
5.000000	2.115000	9.176000	28.26200
5.100000	2.126000	9.388000	30.08700
5.200000	2.137000	9.601000	31.95600
5.300000	2.148000	9.815000	33.75600
5.400000	2.160000	10.03000	35.01200
5.500000	2.171000	10.24600	36.21800
5.600000	2.182000	10.46400	37.38100
5.700000	2.193000	10.68300	38.50500
5.800000	2.204000	10.90200	39.59300
5.900000	2.215000	11.12300	40.65000
6.000000	2.226000	11.34500	41.67800
6.100000	2.237000	11.56800	42.67900
6.200000	2.249000	11.79200	43.65500
6.300000	2.260000	12.01800	44.60800
6.400000	2.271000	12.24400	45.54100
6.500000	2.282000	12.47200	46.45300
6.600000	2.293000	12.70000	47.34600
6.700000	2.304000	12.93000	48.22300
6.800000	2.315000	13.16100	49.08200
6.900000	2.326000	13.39300	49.92600
7.000000	2.338000	13.62600	50.75600
7.100000	2.349000	13.86100	51.57100
7.200000	2.360000	14.09600	52.37400
7.300000	2.371000	14.33200	53.16300
7.400000	2.382000	14.57000	53.94100
7.500000	2.393000	14.80900	54.70700
7.600000	2.404000	15.04900	55.46200
7.700000	2.415000	15.28900	56.20700
7.800000	2.427000	15.53200	56.94100
7.900000	2.438000	15.77500	57.66600
8.000000	2.449000	16.01900	58.38200
8.200000	2.471000	16.51100	59.78700
8.400000	2.493000	17.00700	61.15900
8.600000	2.516000	17.50800	62.50000
8.800000	2.538000	18.01400	63.81200
9.000000	2.560000	18.52300	65.09700

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9.200000  2.582000  19.03800  66.35600
9.400000  2.605000  19.55600  68.48600
9.600000  2.627000  20.08000  71.33200
9.800000  2.649000  20.60700  74.64000
10.00000  2.671000  21.13900  78.31700
10.10000  2.683000  21.40700  999.0000
END FTABLE 12
FTABLE     63
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.782369  0.000000  0.000000
0.111111  0.784543  0.087051  2.380343
0.222222  0.786717  0.174343  7.517951
0.333333  0.788892  0.261877  14.70155
0.444444  0.791066  0.349652  23.62688
0.555556  0.793240  0.437669  34.10112
0.666667  0.795414  0.525928  45.98494
0.777778  0.797588  0.614428  59.17028
0.888889  0.799762  0.703170  73.56955
1.000000  0.801937  0.792153  89.10950
1.111111  0.804111  0.881378  105.7275
1.222222  0.806285  0.970844  123.3692
1.333333  0.808459  1.060552  141.9865
1.444444  0.810633  1.150502  161.5367
1.555556  0.812808  1.240693  181.9815
1.666667  0.814982  1.331126  203.2861
1.777778  0.817156  1.421800  225.4188
1.888889  0.819330  1.512716  248.3508
2.000000  0.821505  1.603873  272.0554
2.111111  0.823679  1.695273  296.5079
2.222222  0.825853  1.786913  321.6857
2.333333  0.828027  1.878795  347.5676
2.444444  0.830202  1.970919  374.1338
2.555556  0.832376  2.063285  401.3659
2.666667  0.834550  2.155892  429.2466
2.777778  0.836724  2.248740  457.7597
2.888889  0.838899  2.341830  486.8901
3.000000  0.841073  2.435162  516.6233
3.111111  0.843247  2.528735  546.9459
3.222222  0.845421  2.622550  577.8449
3.333333  0.847596  2.716607  609.3085
3.444444  0.849770  2.810905  641.3250
3.555556  0.851944  2.905445  673.8837
3.666667  0.854119  3.000226  706.9743
3.777778  0.856293  3.095249  740.5868
3.888889  0.858467  3.190513  774.7121
4.000000  0.860642  3.286019  809.3413
4.111111  0.862816  3.381767  844.4658
4.222222  0.864990  3.477756  880.0777
4.333333  0.867165  3.573987  916.1692
4.444444  0.869339  3.670459  952.7331
4.555556  0.871513  3.767174  989.7621
4.666667  0.873688  3.864129  1027.250
4.777778  0.875862  3.961326  1065.190
4.888889  0.878036  4.058765  1103.575
5.000000  0.880211  4.156446  1142.401
5.111111  0.882385  4.254368  1181.661
5.222222  0.884559  4.352531  1221.351
5.333333  0.886734  4.450936  1261.464
5.444444  0.888908  4.549583  1301.996
5.555556  0.891083  4.648471  1342.942
5.666667  0.893257  4.747601  1384.297
5.777778  0.895431  4.846973  1426.057
5.888889  0.897606  4.946586  1468.219
6.000000  0.899780  5.046441  1510.776
6.111111  0.901955  5.146537  1553.727
6.222222  0.904129  5.246875  1597.066
6.333333  0.906304  5.347455  1640.791
6.444444  0.908478  5.448276  1684.897
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6.555556  0.910652  5.549339  1729.382
6.666667  0.912827  5.650643  1774.242
6.777778  0.915001  5.752189  1819.473
6.888889  0.917176  5.853977  1865.074
7.000000  0.919350  5.956006  1911.040
7.111111  0.921525  6.058277  1957.370
7.222222  0.923699  6.160789  2004.060
7.333333  0.925874  6.263544  2051.108
7.444444  0.928048  6.366539  2098.511
7.555556  0.930223  6.469776  2146.267
7.666667  0.932397  6.573255  2194.373
7.777778  0.934572  6.676976  2242.827
7.888889  0.936746  6.780938  2291.627
8.000000  0.938921  6.885142  2340.771
8.111111  0.941095  6.989587  2390.257
8.222222  0.943270  7.094274  2440.082
8.333333  0.945444  7.199202  2490.245
8.444444  0.947619  7.304372  2540.744
8.555556  0.949793  7.409784  2591.577
8.666667  0.951968  7.515438  2642.742
8.777778  0.954142  7.621333  2694.238
8.888889  0.956317  7.727469  2746.063
9.000000  0.958491  7.833847  2798.215
9.111111  0.960666  7.940467  2850.693
9.222222  0.962840  8.047329  2903.496
9.333333  0.965015  8.154432  2956.621
9.444444  0.967190  8.261777  3010.068
9.555556  0.969364  8.369363  3063.835
9.666667  0.971539  8.477191  3117.921
9.777778  0.973713  8.585260  3172.325
9.888889  0.975888  8.693571  3227.045
10.00000  0.978062  8.802124  3282.080
END FTABLE 63
FTABLE     62
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  1.587810  0.000000  0.000000
0.088889  1.592515  0.141348  0.992869
0.177778  1.597220  0.283114  3.134765
0.266667  1.601925  0.425298  6.128109
0.355556  1.606630  0.567900  9.845379
0.444444  1.611335  0.710921  14.20567
0.533333  1.616041  0.854360  19.15048
0.622222  1.620746  0.998217  24.63444
0.711111  1.625451  1.142493  30.62079
0.800000  1.630156  1.287186  37.07876
0.888889  1.634861  1.432298  43.98209
0.977778  1.639566  1.577828  51.30794
1.066667  1.644271  1.723777  59.03621
1.155556  1.648976  1.870143  67.14901
1.244444  1.653682  2.016928  75.63029
1.333333  1.658387  2.164131  84.46551
1.422222  1.663092  2.311752  93.64148
1.511111  1.667797  2.459792  103.1461
1.600000  1.672502  2.608250  112.9683
1.688889  1.677207  2.757126  123.0978
1.777778  1.681912  2.906420  133.5253
1.866667  1.686618  3.056132  144.2417
1.955556  1.691323  3.206263  155.2391
2.044444  1.696028  3.356812  166.5098
2.133333  1.700733  3.507779  178.0465
2.222222  1.705438  3.659164  189.8427
2.311111  1.710143  3.810968  201.8920
2.400000  1.714849  3.963190  214.1886
2.488889  1.719554  4.115830  226.7268
2.577778  1.724259  4.268888  239.5014
2.666667  1.728964  4.422365  252.5074
2.755556  1.733669  4.576260  265.7402
2.844444  1.738375  4.730573  279.1953
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2.933333  1.743080  4.885304  292.8685
3.022222  1.747785  5.040454  306.7557
3.111111  1.752490  5.196021  320.8532
3.200000  1.757195  5.352007  335.1574
3.288889  1.761901  5.508412  349.6647
3.377778  1.766606  5.665234  364.3721
3.466667  1.771311  5.822475  379.2762
3.555556  1.776016  5.980134  394.3742
3.644444  1.780721  6.138211  409.6632
3.733333  1.785427  6.296707  425.1404
3.822222  1.790132  6.455620  440.8034
3.911111  1.794837  6.614952  456.6495
4.000000  1.799542  6.774702  472.6765
4.088889  1.804247  6.934871  488.8821
4.177778  1.808953  7.095458  505.2640
4.266667  1.813658  7.256462  521.8202
4.355556  1.818363  7.417886  538.5487
4.444444  1.823068  7.579727  555.4476
4.533333  1.827774  7.741987  572.5150
4.622222  1.832479  7.904665  589.7492
4.711111  1.837184  8.067761  607.1484
4.800000  1.841889  8.231275  624.7111
4.888889  1.846595  8.395208  642.4357
4.977778  1.851300  8.559559  660.3206
5.066667  1.856005  8.724328  678.3645
5.155556  1.860710  8.889515  696.5659
5.244444  1.865416  9.055121  714.9234
5.333333  1.870121  9.221145  733.4359
5.422222  1.874826  9.387587  752.1020
5.511111  1.879532  9.554447  770.9205
5.600000  1.884237  9.721726  789.8904
5.688889  1.888942  9.889422  809.0104
5.777778  1.893647  10.05754  828.2796
5.866667  1.898353  10.22607  847.6968
5.955556  1.903058  10.39502  867.2612
6.044444  1.907763  10.56439  886.9716
6.133333  1.912469  10.73418  906.8273
6.222222  1.917174  10.90439  926.8273
6.311111  1.921879  11.07501  946.9708
6.400000  1.926584  11.24605  967.2568
6.488889  1.931290  11.41752  987.6847
6.577778  1.935995  11.58939  1008.254
6.666667  1.940700  11.76169  1028.963
6.755556  1.945406  11.93441  1049.812
6.844444  1.950111  12.10754  1070.799
6.933333  1.954816  12.28109  1091.925
7.022222  1.959522  12.45506  1113.189
7.111111  1.964227  12.62945  1134.589
7.200000  1.968932  12.80426  1156.126
7.288889  1.973638  12.97949  1177.798
7.377778  1.978343  13.15513  1199.606
7.466667  1.983048  13.33119  1221.548
7.555556  1.987754  13.50767  1243.624
7.644444  1.992459  13.68457  1265.834
7.733333  1.997164  13.86189  1288.177
7.822222  2.001870  14.03962  1310.653
7.911111  2.006575  14.21777  1333.260
8.000000  2.011280  14.39635  1356.000
END FTABLE 62
FTABLE     51
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.036478  0.000000  0.000000
0.088889  0.036942  0.003263  0.850300
0.177778  0.037406  0.006568  2.678893
0.266667  0.037870  0.009913  5.227429
0.355556  0.038334  0.013300  8.385652
0.444444  0.038799  0.016728  12.08458
0.533333  0.039263  0.020198  16.27534
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0.622222	0.039727	0.023708	20.92094
0.711111	0.040191	0.027260	25.99221
0.800000	0.040655	0.030853	31.46552
0.888889	0.041119	0.034488	37.32130
0.977778	0.041583	0.038163	43.54316
1.066667	0.042047	0.041880	50.11713
1.155556	0.042512	0.045638	57.03128
1.244444	0.042976	0.049438	64.27528
1.333333	0.043440	0.053279	71.84018
1.422222	0.043904	0.057161	79.71813
1.511111	0.044369	0.061084	87.90229
1.600000	0.044833	0.065048	96.38662
1.688889	0.045297	0.069054	105.1658
1.777778	0.045762	0.073101	114.2352
1.866667	0.046226	0.077190	123.5906
1.955556	0.046690	0.081319	133.2283
2.044444	0.047155	0.085490	143.1452
2.133333	0.047619	0.089702	153.3382
2.222222	0.048084	0.093956	163.8050
2.311111	0.048548	0.098250	174.5431
2.400000	0.049013	0.102586	185.5507
2.488889	0.049477	0.106964	196.8260
2.577778	0.049942	0.111382	208.3675
2.666667	0.050406	0.115842	220.1738
2.755556	0.050871	0.120344	232.2438
2.844444	0.051335	0.124886	244.5765
2.933333	0.051800	0.129470	257.1710
3.022222	0.052265	0.134095	270.0267
3.111111	0.052729	0.138761	283.1428
3.200000	0.053194	0.143469	296.5189
3.288889	0.053659	0.148218	310.1547
3.377778	0.054123	0.153008	324.0499
3.466667	0.054588	0.157840	338.2042
3.555556	0.055053	0.162713	352.6175
3.644444	0.055517	0.167627	367.2897
3.733333	0.055982	0.172583	382.2209
3.822222	0.056447	0.177579	397.4112
3.911111	0.056912	0.182618	412.8607
4.000000	0.057377	0.187697	428.5695
4.088889	0.057841	0.192818	444.5379
4.177778	0.058306	0.197980	460.7661
4.266667	0.058771	0.203183	477.2546
4.355556	0.059236	0.208428	494.0037
4.444444	0.059701	0.213714	511.0137
4.533333	0.060166	0.219042	528.2851
4.622222	0.060631	0.224410	545.8183
4.711111	0.061096	0.229821	563.6139
4.800000	0.061561	0.235272	581.6724
4.888889	0.062026	0.240765	599.9943
4.977778	0.062491	0.246299	618.5803
5.066667	0.062956	0.251874	637.4308
5.155556	0.063421	0.257491	656.5465
5.244444	0.063886	0.263149	675.9281
5.333333	0.064351	0.268848	695.5762
5.422222	0.064816	0.274589	715.4915
5.511111	0.065282	0.280371	735.6747
5.600000	0.065747	0.286195	756.1265
5.688889	0.066212	0.292060	776.8475
5.777778	0.066677	0.297966	797.8386
5.866667	0.067142	0.303913	819.1005
5.955556	0.067608	0.309902	840.6340
6.044444	0.068073	0.315932	862.4397
6.133333	0.068538	0.322004	884.5185
6.222222	0.069003	0.328117	906.8713
6.311111	0.069469	0.334271	929.4987
6.400000	0.069934	0.340467	952.4016
6.488889	0.070399	0.346704	975.5808
6.577778	0.070865	0.352982	999.0372
6.666667	0.071330	0.359302	1022.772
6.755556	0.071796	0.365663	1046.785

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6.844444  0.072261  0.372066  1071.077
6.933333  0.072727  0.378510  1095.651
7.022222  0.073192  0.384995  1120.505
7.111111  0.073657  0.391522  1145.642
7.200000  0.074123  0.398090  1171.062
7.288889  0.074589  0.404699  1196.766
7.377778  0.075054  0.411350  1222.755
7.466667  0.075520  0.418042  1249.030
7.555556  0.075985  0.424776  1275.591
7.644444  0.076451  0.431551  1302.440
7.733333  0.076916  0.438367  1329.577
7.822222  0.077382  0.445225  1357.003
7.911111  0.077848  0.452124  1384.720
8.000000  0.078313  0.459064  1412.727
END FTABLE 51
FTABLE     53
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.174242  0.000000  0.000000
0.088889  0.175792  0.015557  1.420554
0.177778  0.177342  0.031252  4.485199
0.266667  0.178892  0.047085  8.769328
0.355556  0.180442  0.063055  14.09239
0.444444  0.181992  0.079163  20.34103
0.533333  0.183542  0.095409  27.43431
0.622222  0.185092  0.111793  35.31037
0.711111  0.186642  0.128314  43.91981
0.800000  0.188192  0.144974  53.22203
0.888889  0.189742  0.161771  63.18294
0.977778  0.191292  0.178706  73.77343
1.066667  0.192843  0.195778  84.96837
1.155556  0.194393  0.212989  96.74583
1.244444  0.195943  0.230337  109.0865
1.333333  0.197493  0.247823  121.9732
1.422222  0.199043  0.265447  135.3908
1.511111  0.200593  0.283209  149.3257
1.600000  0.202144  0.301108  163.7654
1.688889  0.203694  0.319145  178.6991
1.777778  0.205244  0.337320  194.1166
1.866667  0.206795  0.355633  210.0089
1.955556  0.208345  0.374084  226.3678
2.044444  0.209895  0.392672  243.1856
2.133333  0.211446  0.411399  260.4556
2.222222  0.212996  0.430263  278.1715
2.311111  0.214546  0.449264  296.3275
2.400000  0.216097  0.468404  314.9183
2.488889  0.217647  0.487682  333.9392
2.577778  0.219198  0.507097  353.3856
2.666667  0.220748  0.526650  373.2536
2.755556  0.222298  0.546341  393.5394
2.844444  0.223849  0.566170  414.2396
2.933333  0.225400  0.586136  435.3510
3.022222  0.226950  0.606241  456.8708
3.111111  0.228501  0.626483  478.7963
3.200000  0.230051  0.646863  501.1250
3.288889  0.231602  0.667381  523.8547
3.377778  0.233152  0.688037  546.9835
3.466667  0.234703  0.708830  570.5094
3.555556  0.236254  0.729762  594.4307
3.644444  0.237804  0.750831  618.7459
3.733333  0.239355  0.772038  643.4536
3.822222  0.240906  0.793383  668.5524
3.911111  0.242457  0.814866  694.0413
4.000000  0.244007  0.836486  719.9192
4.088889  0.245558  0.858245  746.1852
4.177778  0.247109  0.880141  772.8383
4.266667  0.248660  0.902175  799.8780
4.355556  0.250210  0.924347  827.3035
4.444444  0.251761  0.946657  855.1143
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4.533333  0.253312  0.969105  883.3099
4.622222  0.254863  0.991691  911.8899
4.711111  0.256414  1.014414  940.8539
4.800000  0.257965  1.037275  970.2016
4.888889  0.259516  1.060274  999.9329
4.977778  0.261067  1.083411  1030.048
5.066667  0.262618  1.106686  1060.545
5.155556  0.264169  1.130099  1091.427
5.244444  0.265720  1.153650  1122.691
5.333333  0.267271  1.177338  1154.338
5.422222  0.268822  1.201164  1186.369
5.511111  0.270373  1.225129  1218.784
5.600000  0.271924  1.249231  1251.582
5.688889  0.273475  1.273471  1284.764
5.777778  0.275026  1.297849  1318.330
5.866667  0.276577  1.322364  1352.280
5.955556  0.278129  1.347018  1386.615
6.044444  0.279680  1.371809  1421.335
6.133333  0.281231  1.396739  1456.440
6.222222  0.282782  1.421806  1491.931
6.311111  0.284334  1.447011  1527.809
6.400000  0.285885  1.472354  1564.073
6.488889  0.287436  1.497835  1600.724
6.577778  0.288987  1.523454  1637.762
6.666667  0.290539  1.549211  1675.189
6.755556  0.292090  1.575105  1713.004
6.844444  0.293641  1.601138  1751.209
6.933333  0.295193  1.627308  1789.803
7.022222  0.296744  1.653616  1828.787
7.111111  0.298296  1.680063  1868.163
7.200000  0.299847  1.706647  1907.930
7.288889  0.301399  1.733369  1948.089
7.377778  0.302950  1.760229  1988.641
7.466667  0.304502  1.787227  2029.587
7.555556  0.306053  1.814362  2070.927
7.644444  0.307605  1.841636  2112.662
7.733333  0.309156  1.869048  2154.792
7.822222  0.310708  1.896597  2197.319
7.911111  0.312259  1.924285  2240.242
8.000000  0.313811  1.952110  2283.564
END FTABLE 53
FTABLE     13
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  1.500000  0.015000  0.002000
0.250000  1.522000  0.375000  0.278000
0.500000  1.545000  0.758000  0.785000
0.750000  1.568000  1.148000  1.381000
1.000000  1.591000  1.543000  1.747000
1.250000  1.614000  1.944000  2.049000
1.500000  1.637000  2.351000  2.311000
1.750000  1.660000  2.764000  2.547000
2.000000  1.683000  3.182000  2.763000
2.250000  1.706000  3.606000  2.963000
2.500000  1.729000  4.035000  3.150000
2.750000  1.752000  4.471000  3.327000
3.000000  1.775000  4.912000  3.495000
3.250000  1.798000  5.358000  3.655000
3.500000  1.821000  5.811000  3.808000
3.750000  1.844000  6.269000  3.956000
4.000000  1.867000  6.733000  4.098000
4.250000  1.890000  7.203000  4.235000
4.500000  1.912000  7.678000  4.368000
4.750000  1.935000  8.159000  4.497000
5.000000  1.958000  8.646000  4.623000
5.250000  1.981000  9.138000  4.745000
5.500000  2.004000  9.636000  4.864000
5.750000  2.027000  10.14000  4.981000
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6.000000  2.050000  10.65000  5.094000
6.250000  2.073000  11.16500  5.205000
6.500000  2.096000  11.68600  5.314000
6.750000  2.119000  12.21300  5.421000
7.000000  2.142000  12.74600  5.525000
7.250000  2.164000  13.28400  5.628000
7.500000  2.187000  13.82800  5.729000
7.750000  2.210000  14.37700  5.828000
8.000000  2.233000  14.93300  5.925000
8.250000  2.256000  15.49400  6.021000
8.500000  2.279000  16.06100  6.116000
8.750000  2.302000  16.63300  6.208000
9.000000  2.325000  17.21100  6.300000
9.250000  2.348000  17.79500  6.390000
9.500000  2.370000  18.38500  6.479000
9.750000  2.393000  18.98000  6.567000
10.00000  2.416000  19.58100  6.653000
10.25000  2.439000  20.18800  6.739000
10.50000  2.462000  20.80000  7.172000
10.75000  2.485000  21.41900  8.423000
11.00000  2.508000  22.04300  10.13000
11.25000  2.530000  22.67200  12.18800
11.50000  2.553000  23.30800  14.54300
11.75000  2.576000  23.94900  17.16000
12.00000  2.599000  24.59500  20.01400
12.25000  2.622000  25.24800  22.98800
12.50000  2.645000  25.90600  24.90600
12.75000  2.668000  26.57000  26.64700
13.00000  2.690000  27.24000  29.32600
13.25000  2.713000  27.91500  33.37200
13.50000  2.736000  28.59600  38.18700
13.75000  2.759000  29.28300  43.60500
14.00000  2.782000  29.97500  49.54000
14.25000  2.805000  30.67400  55.93600
14.50000  2.827000  31.37800  62.75100
14.75000  2.850000  32.08700  69.95500
15.00000  2.873000  32.80300  77.52400
15.25000  2.896000  33.52400  85.43800
15.50000  2.919000  34.25000  93.68100
15.75000  2.941000  34.98300  102.2370
16.00000  2.964000  35.72100  111.0940
16.25000  2.987000  36.46500  120.2420
16.50000  3.010000  37.21500  129.6690
16.75000  3.033000  37.97000  139.3690
17.00000  3.056000  38.73100  149.3310
17.25000  3.078000  39.49800  159.5500
17.50000  3.101000  40.27100  170.0180
17.75000  3.124000  41.04900  180.7290
18.00000  3.147000  41.83300  191.6780
18.25000  3.170000  42.62200  202.8580
18.50000  3.192000  43.41800  214.2660
18.75000  3.215000  44.21900  225.8970
19.00000  3.238000  45.02600  237.7450
19.25000  3.261000  45.83800  249.8080
19.50000  3.283000  46.65600  262.0800
19.75000  3.306000  47.48000  274.5590
20.00000  3.329000  48.31000  290.7640
20.10000  3.400000  48.40000  999.0000
END FTABLE 13
FTABLE     14
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.000000
0.100000  0.104000  0.010000  0.009000
0.200000  0.108000  0.021000  0.023000
0.300000  0.112000  0.032000  0.031000
0.400000  0.116000  0.044000  0.038000
0.500000  0.120000  0.056000  0.043000
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0.600000	0.124000	0.068000	0.048000
0.700000	0.128000	0.081000	0.053000
0.800000	0.132000	0.094000	0.057000
0.900000	0.135000	0.107000	0.060000
1.000000	0.139000	0.121000	0.064000
1.100000	0.143000	0.135000	0.067000
1.200000	0.147000	0.150000	0.071000
1.300000	0.151000	0.165000	0.074000
1.400000	0.155000	0.180000	0.077000
1.500000	0.159000	0.196000	0.080000
1.600000	0.162000	0.212000	0.109000
1.700000	0.166000	0.228000	0.159000
1.800000	0.170000	0.245000	0.224000
1.900000	0.174000	0.262000	0.301000
2.000000	0.178000	0.280000	0.387000
2.100000	0.182000	0.298000	0.451000
2.200000	0.185000	0.316000	0.501000
2.300000	0.189000	0.335000	0.546000
2.400000	0.193000	0.354000	0.587000
2.500000	0.197000	0.373000	0.625000
2.600000	0.201000	0.393000	0.766000
2.700000	0.204000	0.413000	0.993000
2.800000	0.208000	0.434000	1.274000
2.900000	0.212000	0.455000	1.600000
3.000000	0.216000	0.476000	1.964000
3.100000	0.220000	0.498000	2.363000
3.200000	0.223000	0.520000	2.793000
3.300000	0.227000	0.542000	3.252000
3.400000	0.231000	0.565000	3.738000
3.500000	0.235000	0.588000	4.250000
3.600000	0.238000	0.612000	4.786000
3.700000	0.242000	0.636000	5.345000
3.800000	0.246000	0.660000	5.926000
3.900000	0.250000	0.685000	6.529000
4.000000	0.253000	0.710000	7.153000
4.100000	0.257000	0.735000	8.558000
4.200000	0.261000	0.761000	10.50000
4.300000	0.265000	0.787000	12.87700
4.400000	0.268000	0.814000	15.60300
4.500000	0.272000	0.841000	18.63200
4.600000	0.276000	0.868000	21.93100
4.700000	0.280000	0.896000	25.47600
4.800000	0.283000	0.924000	29.25000
4.900000	0.287000	0.952000	33.23800
5.000000	0.291000	0.981000	37.42800
5.100000	0.294000	1.010000	41.80900
5.200000	0.298000	1.040000	46.37400
5.300000	0.302000	1.070000	51.11400
5.400000	0.306000	1.100000	56.02400
5.500000	0.309000	1.131000	61.09600
5.600000	0.313000	1.162000	66.32500
5.700000	0.317000	1.193000	71.70800
5.800000	0.320000	1.225000	77.23900
5.900000	0.324000	1.257000	82.91400
6.000000	0.328000	1.290000	88.73000
6.100000	0.331000	1.323000	94.68300
6.200000	0.335000	1.356000	100.7700
6.300000	0.339000	1.390000	106.9880
6.400000	0.342000	1.424000	113.3340
6.500000	0.346000	1.458000	119.8050
6.600000	0.350000	1.493000	126.4000
6.700000	0.353000	1.528000	133.1160
6.800000	0.357000	1.564000	139.9500
6.900000	0.361000	1.600000	146.9010
7.000000	0.364000	1.636000	153.9670
7.100000	0.368000	1.673000	161.1450
7.200000	0.372000	1.710000	168.4340
7.300000	0.375000	1.747000	175.8330
7.400000	0.379000	1.785000	183.3390
7.500000	0.382000	1.823000	190.9510

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7.600000  0.386000  1.862000  198.6680
7.700000  0.390000  1.901000  206.4880
7.800000  0.393000  1.940000  214.4100
7.900000  0.397000  1.980000  222.4320
8.000000  0.401000  2.020000  230.5540
8.100000  0.600000  2.600000  999.0000
END FTABLE 14
FTABLE     42
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.310468  0.000000  0.000000
0.088889  0.315068  0.027802  0.533825
0.177778  0.319668  0.056012  1.679888
0.266667  0.324268  0.084632  3.274701
0.355556  0.328868  0.113660  5.248482
0.444444  0.333468  0.143097  7.557734
0.533333  0.338068  0.172943  10.17182
0.622222  0.342668  0.203198  13.06771
0.711111  0.347268  0.233862  16.22741
0.800000  0.351868  0.264934  19.63646
0.888889  0.356468  0.296416  23.28301
0.977778  0.361068  0.328306  27.15722
1.066667  0.365668  0.360606  31.25082
1.155556  0.370268  0.393314  35.55680
1.244444  0.374868  0.426431  40.06917
1.333333  0.379468  0.459957  44.78282
1.422222  0.384068  0.493892  49.69331
1.511111  0.388668  0.528236  54.79683
1.600000  0.393268  0.562988  60.09008
1.688889  0.397868  0.598150  65.57019
1.777778  0.402468  0.633721  71.23468
1.866667  0.407068  0.669700  77.08139
1.955556  0.411668  0.706088  83.10844
2.044444  0.416268  0.742885  89.31423
2.133333  0.420868  0.780091  95.69737
2.222222  0.425468  0.817706  102.2567
2.311111  0.430069  0.855730  108.9911
2.400000  0.434669  0.894163  115.8998
2.488889  0.439269  0.933005  122.9820
2.577778  0.443869  0.972255  130.2372
2.666667  0.448469  1.011915  137.6648
2.755556  0.453069  1.051983  145.2645
2.844444  0.457670  1.092460  153.0360
2.933333  0.462270  1.133347  160.9791
3.022222  0.466870  1.174642  169.0937
3.111111  0.471470  1.216346  177.3796
3.200000  0.476071  1.258459  185.8369
3.288889  0.480671  1.300981  194.4656
3.377778  0.485271  1.343911  203.2659
3.466667  0.489871  1.387251  212.2378
3.555556  0.494472  1.431000  221.3817
3.644444  0.499072  1.475157  230.6976
3.733333  0.503672  1.519724  240.1860
3.822222  0.508273  1.564699  249.8470
3.911111  0.512873  1.610083  259.6811
4.000000  0.517473  1.655876  269.6886
4.088889  0.522074  1.702078  279.8698
4.177778  0.526674  1.748689  290.2253
4.266667  0.531274  1.795709  300.7554
4.355556  0.535875  1.843138  311.4607
4.444444  0.540475  1.890976  322.3415
4.533333  0.545076  1.939223  333.3984
4.622222  0.549676  1.987878  344.6319
4.711111  0.554276  2.036943  356.0425
4.800000  0.558877  2.086416  367.6308
4.888889  0.563477  2.136299  379.3973
4.977778  0.568078  2.186590  391.3426
5.066667  0.572678  2.237290  403.4672
5.155556  0.577279  2.288399  415.7718
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5.244444  0.581879  2.339918  428.2570
5.333333  0.586480  2.391845  440.9233
5.422222  0.591080  2.444181  453.7714
5.511111  0.595681  2.496925  466.8020
5.600000  0.600281  2.550079  480.0155
5.688889  0.604882  2.603642  493.4128
5.777778  0.609482  2.657614  506.9943
5.866667  0.614083  2.711994  520.7608
5.955556  0.618683  2.766784  534.7130
6.044444  0.623284  2.821983  548.8515
6.133333  0.627884  2.877590  563.1769
6.222222  0.632485  2.933607  577.6900
6.311111  0.637086  2.990032  592.3914
6.400000  0.641686  3.046866  607.2817
6.488889  0.646287  3.104109  622.3618
6.577778  0.650888  3.161762  637.6322
6.666667  0.655488  3.219823  653.0936
6.755556  0.660089  3.278293  668.7468
6.844444  0.664689  3.337172  684.5925
6.933333  0.669290  3.396460  700.6313
7.022222  0.673891  3.456157  716.8639
7.111111  0.678492  3.516263  733.2911
7.200000  0.683092  3.576778  749.9135
7.288889  0.687693  3.637701  766.7319
7.377778  0.692294  3.699034  783.7469
7.466667  0.696894  3.760776  800.9593
7.555556  0.701495  3.822926  818.3698
7.644444  0.706096  3.885486  835.9791
7.733333  0.710697  3.948455  853.7878
7.822222  0.715298  4.011832  871.7969
7.911111  0.719898  4.075619  890.0068
8.000000  0.724499  4.139814  908.4184
END FTABLE 42
FTABLE     35
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.179408  0.000000  0.000000
0.088889  0.182598  0.016089  0.550192
0.177778  0.185788  0.032462  1.728692
0.266667  0.188978  0.049118  3.365324
0.355556  0.192168  0.066058  5.387575
0.444444  0.195357  0.083281  7.750552
0.533333  0.198547  0.100788  10.42294
0.622222  0.201738  0.118578  13.38147
0.711111  0.204928  0.136652  16.60818
0.800000  0.208118  0.155010  20.08885
0.888889  0.211308  0.173651  23.81198
0.977778  0.214498  0.192576  27.76818
1.066667  0.217688  0.211784  31.94969
1.155556  0.220878  0.231276  36.35003
1.244444  0.224068  0.251051  40.96380
1.333333  0.227258  0.271110  45.78644
1.422222  0.230448  0.291453  50.81413
1.511111  0.233639  0.312079  56.04363
1.600000  0.236829  0.332988  61.47222
1.688889  0.240019  0.354182  67.09761
1.777778  0.243209  0.375659  72.91789
1.866667  0.246399  0.397419  78.93144
1.955556  0.249590  0.419463  85.13696
2.044444  0.252780  0.441790  91.53337
2.133333  0.255970  0.464402  98.11979
2.222222  0.259161  0.487296  104.8955
2.311111  0.262351  0.510475  111.8601
2.400000  0.265541  0.533936  119.0131
2.488889  0.268732  0.557682  126.3543
2.577778  0.271922  0.581711  133.8836
2.666667  0.275112  0.606024  141.6009
2.755556  0.278303  0.630620  149.5063
2.844444  0.281493  0.655500  157.6000
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2.933333  0.284684  0.680663  165.8821
3.022222  0.287874  0.706110  174.3529
3.111111  0.291064  0.731841  183.0129
3.200000  0.294255  0.757855  191.8623
3.288889  0.297445  0.784153  200.9017
3.377778  0.300636  0.810734  210.1315
3.466667  0.303826  0.837599  219.5523
3.555556  0.307017  0.864748  229.1646
3.644444  0.310208  0.892180  238.9691
3.733333  0.313398  0.919896  248.9663
3.822222  0.316589  0.947895  259.1569
3.911111  0.319779  0.976178  269.5416
4.000000  0.322970  1.004745  280.1212
4.088889  0.326161  1.033595  290.8963
4.177778  0.329351  1.062729  301.8677
4.266667  0.332542  1.092146  313.0362
4.355556  0.335733  1.121847  324.4025
4.444444  0.338923  1.151832  335.9674
4.533333  0.342114  1.182100  347.7318
4.622222  0.345305  1.212652  359.6965
4.711111  0.348495  1.243488  371.8623
4.800000  0.351686  1.274607  384.2301
4.888889  0.354877  1.306010  396.8007
4.977778  0.358068  1.337696  409.5750
5.066667  0.361259  1.369666  422.5538
5.155556  0.364449  1.401920  435.7380
5.244444  0.367640  1.434457  449.1286
5.333333  0.370831  1.467278  462.7264
5.422222  0.374022  1.500383  476.5323
5.511111  0.377213  1.533771  490.5473
5.600000  0.380404  1.567443  504.7722
5.688889  0.383595  1.601398  519.2079
5.777778  0.386786  1.635637  533.8554
5.866667  0.389977  1.670160  548.7155
5.955556  0.393168  1.704967  563.7893
6.044444  0.396359  1.740057  579.0776
6.133333  0.399550  1.775430  594.5814
6.222222  0.402741  1.811088  610.3016
6.311111  0.405932  1.847029  626.2392
6.400000  0.409123  1.883253  642.3950
6.488889  0.412314  1.919762  658.7700
6.577778  0.415505  1.956554  675.3652
6.666667  0.418696  1.993629  692.1815
6.755556  0.421887  2.030988  709.2199
6.844444  0.425078  2.068631  726.4812
6.933333  0.428269  2.106558  743.9665
7.022222  0.431460  2.144768  761.6767
7.111111  0.434652  2.183262  779.6127
7.200000  0.437843  2.222039  797.7755
7.288889  0.441034  2.261101  816.1660
7.377778  0.444225  2.300445  834.7852
7.466667  0.447416  2.340074  853.6340
7.555556  0.450608  2.379986  872.7134
7.644444  0.453799  2.420182  892.0243
7.733333  0.456990  2.460661  911.5677
7.822222  0.460182  2.501425  931.3445
7.911111  0.463373  2.542472  951.3557
8.000000  0.466564  2.583802  971.6023
END FTABLE 35
FTABLE     15
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.001000
0.100000  0.104000  0.010000  0.018000
0.200000  0.108000  0.021000  0.037000
0.300000  0.112000  0.032000  0.049000
0.400000  0.116000  0.044000  0.058000
0.500000  0.120000  0.056000  0.066000
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0.600000	0.124000	0.068000	0.074000
0.700000	0.128000	0.081000	0.080000
0.800000	0.132000	0.094000	0.086000
0.900000	0.135000	0.107000	0.092000
1.000000	0.139000	0.121000	0.097000
1.100000	0.143000	0.135000	0.102000
1.200000	0.147000	0.150000	0.107000
1.300000	0.151000	0.165000	0.112000
1.400000	0.155000	0.180000	0.116000
1.500000	0.159000	0.196000	0.120000
1.600000	0.162000	0.212000	0.124000
1.700000	0.166000	0.228000	0.128000
1.800000	0.170000	0.245000	0.132000
1.900000	0.174000	0.262000	0.136000
2.000000	0.178000	0.280000	0.140000
2.100000	0.182000	0.298000	0.143000
2.200000	0.185000	0.316000	0.147000
2.300000	0.189000	0.335000	0.150000
2.400000	0.193000	0.354000	0.153000
2.500000	0.197000	0.373000	0.157000
2.600000	0.201000	0.393000	0.160000
2.700000	0.204000	0.413000	0.163000
2.800000	0.208000	0.434000	0.166000
2.900000	0.212000	0.455000	0.169000
3.000000	0.216000	0.476000	0.172000
3.100000	0.220000	0.498000	0.175000
3.200000	0.223000	0.520000	0.178000
3.300000	0.227000	0.542000	0.180000
3.400000	0.231000	0.565000	0.183000
3.500000	0.235000	0.588000	0.186000
3.600000	0.238000	0.612000	0.189000
3.700000	0.242000	0.636000	0.226000
3.800000	0.246000	0.660000	0.293000
3.900000	0.250000	0.685000	0.379000
4.000000	0.253000	0.710000	0.480000
4.100000	0.257000	0.735000	0.594000
4.200000	0.261000	0.761000	0.679000
4.300000	0.265000	0.787000	0.745000
4.400000	0.268000	0.814000	0.804000
4.500000	0.272000	0.841000	0.858000
4.600000	0.276000	0.868000	0.909000
4.700000	0.280000	0.896000	0.956000
4.800000	0.283000	0.924000	1.001000
4.900000	0.287000	0.952000	1.043000
5.000000	0.291000	0.981000	1.083000
5.100000	0.294000	1.010000	1.122000
5.200000	0.298000	1.040000	1.248000
5.300000	0.302000	1.070000	1.444000
5.400000	0.306000	1.100000	1.687000
5.500000	0.309000	1.131000	1.967000
5.600000	0.313000	1.162000	2.279000
5.700000	0.317000	1.193000	2.619000
5.800000	0.320000	1.225000	2.986000
5.900000	0.324000	1.257000	3.377000
6.000000	0.328000	1.290000	3.790000
6.100000	0.331000	1.323000	4.225000
6.200000	0.335000	1.356000	4.680000
6.300000	0.339000	1.390000	5.154000
6.400000	0.342000	1.424000	5.647000
6.500000	0.346000	1.458000	6.158000
6.600000	0.350000	1.493000	6.685000
6.700000	0.353000	1.528000	7.229000
6.800000	0.357000	1.564000	7.790000
6.900000	0.361000	1.600000	8.365000
7.000000	0.364000	1.636000	8.956000
7.100000	0.368000	1.673000	9.562000
7.200000	0.372000	1.710000	10.18200
7.300000	0.375000	1.747000	10.81600
7.400000	0.379000	1.785000	11.46300
7.500000	0.382000	1.823000	12.12400

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7.600000  0.386000  1.862000  12.79900
7.700000  0.390000  1.901000  13.48600
7.800000  0.393000  1.940000  14.21800
7.900000  0.397000  1.980000  15.93700
8.000000  0.401000  2.020000  18.68800
8.100000  0.404000  2.060000  999.0000
END FTABLE 15
FTABLE     16
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.420000  0.004000  0.001000
0.100000  0.421000  0.040000  0.044000
0.200000  0.432000  0.083000  0.124000
0.300000  0.443000  0.127000  0.228000
0.400000  0.454000  0.172000  0.323000
0.500000  0.465000  0.217000  0.386000
0.600000  0.476000  0.264000  0.440000
0.700000  0.486000  0.312000  0.488000
0.800000  0.497000  0.360000  0.532000
0.900000  0.507000  0.409000  0.573000
1.000000  0.518000  0.460000  0.610000
1.100000  0.528000  0.511000  0.646000
1.200000  0.538000  0.563000  0.680000
1.300000  0.549000  0.616000  0.712000
1.400000  0.559000  0.670000  0.743000
1.500000  0.569000  0.725000  0.772000
1.600000  0.579000  0.781000  0.801000
1.700000  0.589000  0.838000  0.828000
1.800000  0.599000  0.896000  0.855000
1.900000  0.608000  0.954000  0.880000
2.000000  0.618000  1.014000  0.905000
2.100000  0.628000  1.075000  0.930000
2.200000  0.637000  1.136000  0.954000
2.300000  0.647000  1.198000  0.977000
2.400000  0.656000  1.262000  0.999000
2.500000  0.665000  1.326000  1.022000
2.600000  0.675000  1.391000  1.043000
2.700000  0.684000  1.457000  1.064000
2.800000  0.693000  1.524000  1.085000
2.900000  0.702000  1.592000  1.106000
3.000000  0.711000  1.661000  1.126000
3.100000  0.720000  1.731000  1.145000
3.200000  0.728000  1.801000  1.165000
3.300000  0.737000  1.873000  1.184000
3.400000  0.746000  1.945000  1.203000
3.500000  0.754000  2.019000  1.221000
3.600000  0.763000  2.093000  1.239000
3.700000  0.771000  2.169000  1.257000
3.800000  0.780000  2.245000  1.275000
3.900000  0.788000  2.322000  1.292000
4.000000  0.796000  2.400000  1.309000
4.100000  0.804000  2.479000  1.326000
4.200000  0.812000  2.559000  1.343000
4.300000  0.820000  2.640000  1.360000
4.400000  0.828000  2.722000  1.376000
4.500000  0.836000  2.804000  1.392000
4.600000  0.844000  2.888000  1.408000
4.700000  0.851000  2.973000  1.424000
4.800000  0.859000  3.058000  1.439000
4.900000  0.866000  3.144000  1.455000
5.000000  0.874000  3.232000  1.470000
5.100000  0.881000  3.320000  1.485000
5.200000  0.888000  3.409000  1.500000
5.300000  0.896000  3.499000  1.515000
5.400000  0.903000  3.590000  1.530000
5.500000  0.910000  3.682000  1.544000
5.600000  0.917000  3.775000  1.559000
5.700000  0.924000  3.869000  1.573000
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5.800000  0.931000  3.964000  1.587000
5.900000  0.937000  4.059000  1.601000
6.000000  0.944000  4.156000  1.615000
6.100000  0.951000  4.254000  1.629000
6.200000  0.957000  4.352000  1.643000
6.300000  0.964000  4.451000  1.656000
6.400000  0.970000  4.552000  1.670000
6.500000  0.976000  4.653000  1.683000
6.600000  0.983000  4.755000  1.696000
6.700000  0.989000  4.858000  1.709000
6.800000  0.995000  4.962000  1.722000
6.900000  1.001000  5.067000  1.735000
7.000000  1.007000  5.173000  1.748000
7.100000  1.013000  5.280000  1.761000
7.200000  1.018000  5.387000  1.774000
7.300000  1.024000  5.496000  3.162000
7.400000  1.030000  5.605000  5.717000
7.500000  1.035000  5.716000  9.027000
7.600000  1.041000  5.827000  12.94600
7.700000  1.046000  5.940000  17.26000
7.800000  1.052000  6.053000  21.92300
7.900000  1.057000  6.167000  26.94800
8.000000  1.062000  6.282000  32.31400
8.100000  1.067000  6.398000  999.0000
END FTABLE 16
FTABLE     36
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.233494  0.000000  0.000000
0.088889  0.236459  0.020887  0.614766
0.177778  0.239425  0.042037  1.936836
0.266667  0.242390  0.063451  3.779425
0.355556  0.245356  0.085129  6.062817
0.444444  0.248321  0.107070  8.737138
0.533333  0.251287  0.129275  11.76705
0.622222  0.254252  0.151743  15.12581
0.711111  0.257218  0.174475  18.79234
0.800000  0.260183  0.197471  22.74953
0.888889  0.263149  0.220730  26.98326
0.977778  0.266114  0.244253  31.48165
1.066667  0.269080  0.268039  36.23463
1.155556  0.272045  0.292089  41.23355
1.244444  0.275011  0.316403  46.47095
1.333333  0.277976  0.340980  51.94036
1.422222  0.280942  0.365821  57.63611
1.511111  0.283907  0.390925  63.55325
1.600000  0.286873  0.416293  69.68741
1.688889  0.289838  0.441925  76.03476
1.777778  0.292804  0.467820  82.59190
1.866667  0.295770  0.493979  89.35584
1.955556  0.298735  0.520401  96.32392
2.044444  0.301701  0.547087  103.4938
2.133333  0.304666  0.574037  110.8633
2.222222  0.307632  0.601250  118.4308
2.311111  0.310598  0.628727  126.1945
2.400000  0.313563  0.656467  134.1530
2.488889  0.316529  0.684472  142.3050
2.577778  0.319495  0.712739  150.6495
2.666667  0.322460  0.741271  159.1854
2.755556  0.325426  0.770066  167.9120
2.844444  0.328392  0.799124  176.8285
2.933333  0.331358  0.828446  185.9343
3.022222  0.334323  0.858032  195.2289
3.111111  0.337289  0.887882  204.7119
3.200000  0.340255  0.917995  214.3828
3.288889  0.343221  0.948371  224.2415
3.377778  0.346186  0.979012  234.2877
3.466667  0.349152  1.009916  244.5212
3.555556  0.352118  1.041083  254.9420
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3.644444  0.355084  1.072514  265.5500
3.733333  0.358050  1.104209  276.3453
3.822222  0.361015  1.136168  287.3278
3.911111  0.363981  1.168390  298.4978
4.000000  0.366947  1.200875  309.8552
4.088889  0.369913  1.233625  321.4003
4.177778  0.372879  1.266638  333.1334
4.266667  0.375845  1.299914  345.0545
4.355556  0.378811  1.333455  357.1641
4.444444  0.381776  1.367258  369.4623
4.533333  0.384742  1.401326  381.9495
4.622222  0.387708  1.435657  394.6260
4.711111  0.390674  1.470252  407.4922
4.800000  0.393640  1.505110  420.5485
4.888889  0.396606  1.540232  433.7952
4.977778  0.399572  1.575618  447.2328
5.066667  0.402538  1.611267  460.8617
5.155556  0.405504  1.647180  474.6824
5.244444  0.408470  1.683357  488.6952
5.333333  0.411436  1.719797  502.9008
5.422222  0.414402  1.756501  517.2995
5.511111  0.417368  1.793469  531.8919
5.600000  0.420334  1.830700  546.6785
5.688889  0.423300  1.868195  561.6598
5.777778  0.426266  1.905953  576.8364
5.866667  0.429232  1.943975  592.2087
5.955556  0.432198  1.982261  607.7773
6.044444  0.435164  2.020811  623.5429
6.133333  0.438130  2.059624  639.5059
6.222222  0.441096  2.098700  655.6668
6.311111  0.444063  2.138041  672.0264
6.400000  0.447029  2.177645  688.5852
6.488889  0.449995  2.217513  705.3438
6.577778  0.452961  2.257644  722.3027
6.666667  0.455927  2.298039  739.4626
6.755556  0.458893  2.338698  756.8241
6.844444  0.461859  2.379620  774.3877
6.933333  0.464826  2.420806  792.1542
7.022222  0.467792  2.462256  810.1241
7.111111  0.470758  2.503969  828.2981
7.200000  0.473724  2.545946  846.6767
7.288889  0.476690  2.588187  865.2606
7.377778  0.479657  2.630691  884.0505
7.466667  0.482623  2.673459  903.0470
7.555556  0.485589  2.716490  922.2507
7.644444  0.488555  2.759786  941.6623
7.733333  0.491522  2.803345  961.2823
7.822222  0.494488  2.847167  981.1116
7.911111  0.497454  2.891254  1001.151
8.000000  0.500420  2.935604  1021.400
END FTABLE 36
FTABLE     64
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.861341  0.000000  0.000000
0.111111  0.863734  0.095837  1.506857
0.222222  0.866127  0.191941  4.759178
0.333333  0.868520  0.288310  9.306695
0.444444  0.870913  0.384945  14.95681
0.555556  0.873306  0.481846  21.58744
0.666667  0.875699  0.579013  29.11039
0.777778  0.878092  0.676446  37.45727
0.888889  0.880486  0.774145  46.57261
1.000000  0.882879  0.872110  56.41005
1.111111  0.885272  0.970340  66.92996
1.222222  0.887665  1.068837  78.09787
1.333333  0.890058  1.167599  89.88340
1.444444  0.892451  1.266627  102.2595
1.555556  0.894844  1.365922  115.2019
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1.666667	0.897238	1.465482	128.6886
1.777778	0.899631	1.565308	142.6996
1.888889	0.902024	1.665400	157.2165
2.000000	0.904417	1.765758	172.2225
2.111111	0.906810	1.866381	187.7020
2.222222	0.909203	1.967271	203.6406
2.333333	0.911596	2.068426	220.0249
2.444444	0.913990	2.169848	236.8424
2.555556	0.916383	2.271535	254.0814
2.666667	0.918776	2.373488	271.7311
2.777778	0.921169	2.475708	289.7811
2.888889	0.923562	2.578193	308.2219
3.000000	0.925955	2.680944	327.0442
3.111111	0.928349	2.783961	346.2397
3.222222	0.930742	2.887243	365.8001
3.333333	0.933135	2.990792	385.7178
3.444444	0.935528	3.094607	405.9857
3.555556	0.937921	3.198687	426.5967
3.666667	0.940315	3.303034	447.5444
3.777778	0.942708	3.407646	468.8225
3.888889	0.945101	3.512524	490.4253
4.000000	0.947494	3.617668	512.3470
4.111111	0.949887	3.723079	534.5823
4.222222	0.952281	3.828755	557.1261
4.333333	0.954674	3.934696	579.9736
4.444444	0.957067	4.040904	603.1200
4.555556	0.959460	4.147378	626.5610
4.666667	0.961853	4.254118	650.2922
4.777778	0.964247	4.361123	674.3097
4.888889	0.966640	4.468395	698.6095
5.000000	0.969033	4.575932	723.1879
5.111111	0.971426	4.683735	748.0413
5.222222	0.973820	4.791805	773.1663
5.333333	0.976213	4.900140	798.5596
5.444444	0.978606	5.008741	824.2180
5.555556	0.980999	5.117608	850.1385
5.666667	0.983392	5.226741	876.3182
5.777778	0.985786	5.336139	902.7542
5.888889	0.988179	5.445804	929.4440
6.000000	0.990572	5.555735	956.3848
6.111111	0.992965	5.665931	983.5742
6.222222	0.995359	5.776394	1011.010
6.333333	0.997752	5.887122	1038.689
6.444444	1.000145	5.998116	1066.611
6.555556	1.002538	6.109377	1094.771
6.666667	1.004932	6.220903	1123.169
6.777778	1.007325	6.332695	1151.803
6.888889	1.009718	6.444753	1180.670
7.000000	1.012112	6.557077	1209.769
7.111111	1.014505	6.669666	1239.097
7.222222	1.016898	6.782522	1268.654
7.333333	1.019291	6.895644	1298.437
7.444444	1.021685	7.009031	1328.445
7.555556	1.024078	7.122685	1358.677
7.666667	1.026471	7.236604	1389.130
7.777778	1.028865	7.350789	1419.804
7.888889	1.031258	7.465241	1450.696
8.000000	1.033651	7.579958	1481.806
8.111111	1.036044	7.694941	1513.133
8.222222	1.038438	7.810190	1544.674
8.333333	1.040831	7.925705	1576.430
8.444444	1.043224	8.041486	1608.398
8.555556	1.045618	8.157532	1640.577
8.666667	1.048011	8.273845	1672.967
8.777778	1.050404	8.390424	1705.566
8.888889	1.052798	8.507268	1738.373
9.000000	1.055191	8.624379	1771.388
9.111111	1.057584	8.741755	1804.608
9.222222	1.059978	8.859398	1838.035
9.333333	1.062371	8.977306	1871.665

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9.444444  1.064764  9.095480  1905.499
9.555556  1.067158  9.213920  1939.536
9.666667  1.069551  9.332626  1973.775
9.777778  1.071944  9.451598  2008.215
9.888889  1.074338  9.570836  2042.855
10.00000  1.076731  9.690340  2077.694
END FTABLE 64
FTABLE     17
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.001000
0.100000  0.104000  0.010000  0.018000
0.200000  0.108000  0.021000  0.046000
0.300000  0.112000  0.032000  0.062000
0.400000  0.116000  0.044000  0.075000
0.500000  0.120000  0.056000  0.086000
0.600000  0.124000  0.068000  0.096000
0.700000  0.128000  0.081000  0.105000
0.800000  0.132000  0.094000  0.113000
0.900000  0.135000  0.107000  0.121000
1.000000  0.139000  0.121000  0.128000
1.100000  0.143000  0.135000  0.135000
1.200000  0.147000  0.150000  0.141000
1.300000  0.151000  0.165000  0.148000
1.400000  0.155000  0.180000  0.153000
1.500000  0.159000  0.196000  0.159000
1.600000  0.162000  0.212000  0.165000
1.700000  0.166000  0.228000  0.170000
1.800000  0.170000  0.245000  0.175000
1.900000  0.174000  0.262000  0.180000
2.000000  0.178000  0.280000  0.185000
2.100000  0.182000  0.298000  0.190000
2.200000  0.185000  0.316000  0.195000
2.300000  0.189000  0.335000  0.199000
2.400000  0.193000  0.354000  0.204000
2.500000  0.197000  0.373000  0.208000
2.600000  0.201000  0.393000  0.212000
2.700000  0.204000  0.413000  0.216000
2.800000  0.208000  0.434000  0.220000
2.900000  0.212000  0.455000  0.224000
3.000000  0.216000  0.476000  0.228000
3.100000  0.220000  0.498000  0.232000
3.200000  0.223000  0.520000  0.236000
3.300000  0.227000  0.542000  0.240000
3.400000  0.231000  0.565000  0.244000
3.500000  0.235000  0.588000  0.247000
3.600000  0.238000  0.612000  0.251000
3.700000  0.242000  0.636000  0.254000
3.800000  0.246000  0.660000  0.258000
3.900000  0.250000  0.685000  0.261000
4.000000  0.253000  0.710000  0.265000
4.100000  0.257000  0.735000  0.268000
4.200000  0.261000  0.761000  0.271000
4.300000  0.265000  0.787000  0.275000
4.400000  0.268000  0.814000  0.331000
4.500000  0.272000  0.841000  0.430000
4.600000  0.276000  0.868000  0.558000
4.700000  0.280000  0.896000  0.709000
4.800000  0.283000  0.924000  0.879000
4.900000  0.287000  0.952000  1.006000
5.000000  0.291000  0.981000  1.104000
5.100000  0.294000  1.010000  1.192000
5.200000  0.298000  1.040000  1.273000
5.300000  0.302000  1.070000  1.348000
5.400000  0.306000  1.100000  1.418000
5.500000  0.309000  1.131000  1.485000
5.600000  0.313000  1.162000  1.548000
5.700000  0.317000  1.193000  1.608000
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5.800000  0.320000  1.225000  1.666000
5.900000  0.324000  1.257000  1.721000
6.000000  0.328000  1.290000  1.775000
6.100000  0.331000  1.323000  1.953000
6.200000  0.335000  1.356000  2.234000
6.300000  0.339000  1.390000  2.582000
6.400000  0.342000  1.424000  2.984000
6.500000  0.346000  1.458000  3.433000
6.600000  0.350000  1.493000  3.922000
6.700000  0.353000  1.528000  4.449000
6.800000  0.357000  1.564000  5.012000
6.900000  0.361000  1.600000  5.606000
7.000000  0.364000  1.636000  6.232000
7.100000  0.368000  1.673000  6.887000
7.200000  0.372000  1.710000  7.569000
7.300000  0.375000  1.747000  8.278000
7.400000  0.379000  1.785000  9.013000
7.500000  0.382000  1.823000  9.773000
7.600000  0.386000  1.862000  10.55600
7.700000  0.390000  1.901000  11.36300
7.800000  0.393000  1.940000  12.19200
7.900000  0.397000  1.980000  13.04300
8.000000  0.401000  2.020000  13.91500
8.100000  0.600000  2.800000  999.0000
END FTABLE 17
FTABLE     37
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.107438  0.000000  0.000000
0.111111  0.108931  0.012020  0.887823
0.222222  0.110424  0.024207  2.795283
0.333333  0.111916  0.036559  5.451393
0.444444  0.113409  0.049077  8.740480
0.555556  0.114902  0.061761  12.59031
0.666667  0.116395  0.074611  16.94988
0.777778  0.117888  0.087627  21.78071
0.888889  0.119381  0.100808  27.05264
1.000000  0.120873  0.114156  32.74131
1.111111  0.122366  0.127669  38.82669
1.222222  0.123859  0.141348  45.29207
1.333333  0.125352  0.155193  52.12333
1.444444  0.126845  0.169204  59.30845
1.555556  0.128338  0.183381  66.83711
1.666667  0.129831  0.197724  74.70041
1.777778  0.131324  0.212232  82.89065
1.888889  0.132817  0.226907  91.40111
2.000000  0.134310  0.241747  100.2259
2.111111  0.135803  0.256754  109.3601
2.222222  0.137296  0.271926  118.7990
2.333333  0.138789  0.287264  128.5388
2.444444  0.140282  0.302768  138.5761
2.555556  0.141775  0.318438  148.9078
2.666667  0.143269  0.334273  159.5315
2.777778  0.144762  0.350275  170.4447
2.888889  0.146255  0.366443  181.6455
3.000000  0.147748  0.382776  193.1323
3.111111  0.149241  0.399276  204.9035
3.222222  0.150734  0.415941  216.9578
3.333333  0.152228  0.432772  229.2943
3.444444  0.153721  0.449769  241.9121
3.555556  0.155214  0.466932  254.8104
3.666667  0.156707  0.484261  267.9886
3.777778  0.158201  0.501756  281.4462
3.888889  0.159694  0.519417  295.1831
4.000000  0.161187  0.537244  309.1989
4.111111  0.162681  0.555236  323.4935
4.222222  0.164174  0.573395  338.0669
4.333333  0.165667  0.591720  352.9192
4.444444  0.167161  0.610210  368.0504
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4.555556  0.168654  0.628866  383.4608
4.666667  0.170147  0.647689  399.1506
4.777778  0.171641  0.666677  415.1201
4.888889  0.173134  0.685831  431.3699
5.000000  0.174628  0.705151  447.9001
5.111111  0.176121  0.724637  464.7115
5.222222  0.177615  0.744289  481.8044
5.333333  0.179108  0.764107  499.1794
5.444444  0.180602  0.784091  516.8371
5.555556  0.182095  0.804241  534.7783
5.666667  0.183589  0.824557  553.0034
5.777778  0.185082  0.845038  571.5133
5.888889  0.186576  0.865686  590.3086
6.000000  0.188069  0.886500  609.3901
6.111111  0.189563  0.907479  628.7585
6.222222  0.191057  0.928625  648.4148
6.333333  0.192550  0.949936  668.3596
6.444444  0.194044  0.971414  688.5938
6.555556  0.195538  0.993057  709.1183
6.666667  0.197031  1.014866  729.9340
6.777778  0.198525  1.036842  751.0417
6.888889  0.200019  1.058983  772.4423
7.000000  0.201512  1.081290  794.1367
7.111111  0.203006  1.103763  816.1260
7.222222  0.204500  1.126403  838.4110
7.333333  0.205994  1.149208  860.9926
7.444444  0.207487  1.172179  883.8719
7.555556  0.208981  1.195316  907.0498
7.666667  0.210475  1.218619  930.5273
7.777778  0.211969  1.242088  954.3054
7.888889  0.213463  1.265724  978.3851
8.000000  0.214957  1.289525  1002.767
8.111111  0.216450  1.313492  1027.453
8.222222  0.217944  1.337625  1052.444
8.333333  0.219438  1.361924  1077.740
8.444444  0.220932  1.386389  1103.343
8.555556  0.222426  1.411020  1129.253
8.666667  0.223920  1.435817  1155.473
8.777778  0.225414  1.460780  1182.002
8.888889  0.226908  1.485909  1208.842
9.000000  0.228402  1.511204  1235.994
9.111111  0.229896  1.536665  1263.459
9.222222  0.231390  1.562292  1291.238
9.333333  0.232884  1.588085  1319.332
9.444444  0.234378  1.614044  1347.743
9.555556  0.235872  1.640169  1376.470
9.666667  0.237366  1.666460  1405.516
9.777778  0.238860  1.692917  1434.882
9.888889  0.240355  1.719540  1464.568
10.00000  0.241849  1.746329  1494.575
END FTABLE 37
FTABLE     65
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.206061  0.000000  0.000000
0.166667  0.206842  0.034409  3.045750
0.333333  0.207624  0.068947  9.601952
0.500000  0.208405  0.103616  18.74379
0.666667  0.209186  0.138416  30.07204
0.833333  0.209968  0.173345  43.33252
1.000000  0.210749  0.208405  58.34118
1.166667  0.211531  0.243595  74.95528
1.333333  0.212312  0.278915  93.05922
1.500000  0.213094  0.314366  112.5566
1.666667  0.213876  0.349947  133.3651
1.833333  0.214657  0.385658  155.4137
2.000000  0.215439  0.421499  178.6400
2.166667  0.216220  0.457471  202.9884
2.333333  0.217002  0.493572  228.4098
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2.500000	0.217783	0.529805	254.8594
2.666667	0.218565	0.566167	282.2971
2.833333	0.219346	0.602659	310.6862
3.000000	0.220128	0.639282	339.9932
3.166667	0.220910	0.676035	370.1874
3.333333	0.221691	0.712919	401.2405
3.500000	0.222473	0.749933	433.1264
3.666667	0.223254	0.787076	465.8209
3.833333	0.224036	0.824351	499.3017
4.000000	0.224818	0.861755	533.5478
4.166667	0.225599	0.899290	568.5399
4.333333	0.226381	0.936955	604.2596
4.500000	0.227163	0.974750	640.6902
4.666667	0.227944	1.012676	677.8157
4.833333	0.228726	1.050732	715.6211
5.000000	0.229508	1.088918	754.0925
5.166667	0.230289	1.127234	793.2166
5.333333	0.231071	1.165681	832.9812
5.500000	0.231853	1.204258	873.3743
5.666667	0.232634	1.242965	914.3851
5.833333	0.233416	1.281802	956.0030
6.000000	0.234198	1.320770	998.2183
6.166667	0.234979	1.359868	1041.022
6.333333	0.235761	1.399097	1084.404
6.500000	0.236543	1.438455	1128.357
6.666667	0.237325	1.477944	1172.873
6.833333	0.238106	1.517564	1217.945
7.000000	0.238888	1.557313	1263.564
7.166667	0.239670	1.597193	1309.725
7.333333	0.240452	1.637203	1356.421
7.500000	0.241233	1.677343	1403.646
7.666667	0.242015	1.717614	1451.393
7.833333	0.242797	1.758015	1499.658
8.000000	0.243579	1.798546	1548.435
8.166667	0.244360	1.839208	1597.718
8.333333	0.245142	1.880000	1647.504
8.500000	0.245924	1.920922	1697.787
8.666667	0.246706	1.961975	1748.564
8.833333	0.247488	2.003157	1799.829
9.000000	0.248270	2.044471	1851.580
9.166667	0.249051	2.085914	1903.811
9.333333	0.249833	2.127488	1956.520
9.500000	0.250615	2.169192	2009.703
9.666667	0.251397	2.211026	2063.357
9.833333	0.252179	2.252991	2117.478
10.00000	0.252961	2.295086	2172.063
10.16667	0.253743	2.337311	2227.110
10.33333	0.254525	2.379667	2282.616
10.50000	0.255306	2.422152	2338.578
10.66667	0.256088	2.464769	2394.993
10.83333	0.256870	2.507515	2451.860
11.00000	0.257652	2.550392	2509.175
11.16667	0.258434	2.593399	2566.936
11.33333	0.259216	2.636537	2625.142
11.50000	0.259998	2.679805	2683.790
11.66667	0.260780	2.723203	2742.879
11.83333	0.261562	2.766731	2802.406
12.00000	0.262344	2.810390	2862.370
12.16667	0.263126	2.854179	2922.768
12.33333	0.263908	2.898099	2983.600
12.50000	0.264690	2.942148	3044.864
12.66667	0.265472	2.986329	3106.557
12.83333	0.266254	3.030639	3168.680
13.00000	0.267036	3.075080	3231.230
13.16667	0.267818	3.119651	3294.206
13.33333	0.268600	3.164352	3357.607
13.50000	0.269382	3.209184	3421.431
13.66667	0.270164	3.254146	3485.678
13.83333	0.270946	3.299239	3550.346
14.00000	0.271728	3.344462	3615.435

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14.16667  0.272510  3.389815  3680.942
14.33333  0.273292  3.435298  3746.868
14.50000  0.274074  3.480912  3813.212
14.66667  0.274856  3.526656  3879.972
14.83333  0.275638  3.572531  3947.147
15.00000  0.276420  3.618536  4014.738
END FTABLE 65
FTABLE     66
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.728788  0.000000  0.000000
0.166667  0.731549  0.121695  3.045750
0.333333  0.734311  0.243850  9.601952
0.500000  0.737072  0.366465  18.74379
0.666667  0.739834  0.489541  30.07204
0.833333  0.742595  0.613076  43.33252
1.000000  0.745357  0.737072  58.34118
1.166667  0.748118  0.861529  74.95528
1.333333  0.750880  0.986445  93.05922
1.500000  0.753642  1.111822  112.5566
1.666667  0.756403  1.237659  133.3651
1.833333  0.759165  1.363956  155.4137
2.000000  0.761926  1.490714  178.6400
2.166667  0.764688  1.617932  202.9884
2.333333  0.767449  1.745610  228.4098
2.500000  0.770211  1.873748  254.8594
2.666667  0.772973  2.002347  282.2971
2.833333  0.775734  2.131406  310.6862
3.000000  0.778496  2.260925  339.9932
3.166667  0.781257  2.390904  370.1874
3.333333  0.784019  2.521344  401.2405
3.500000  0.786781  2.652244  433.1264
3.666667  0.789542  2.783604  465.8209
3.833333  0.792304  2.915425  499.3017
4.000000  0.795066  3.047706  533.5478
4.166667  0.797827  3.180447  568.5399
4.333333  0.800589  3.313648  604.2596
4.500000  0.803351  3.447310  640.6902
4.666667  0.806112  3.581431  677.8157
4.833333  0.808874  3.716014  715.6211
5.000000  0.811636  3.851056  754.0925
5.166667  0.814397  3.986559  793.2166
5.333333  0.817159  4.122522  832.9812
5.500000  0.819921  4.258945  873.3743
5.666667  0.822682  4.395829  914.3851
5.833333  0.825444  4.533173  956.0030
6.000000  0.828206  4.670977  998.2183
6.166667  0.830968  4.809241  1041.022
6.333333  0.833729  4.947966  1084.404
6.500000  0.836491  5.087151  1128.357
6.666667  0.839253  5.226796  1172.873
6.833333  0.842015  5.366902  1217.945
7.000000  0.844776  5.507468  1263.564
7.166667  0.847538  5.648494  1309.725
7.333333  0.850300  5.789981  1356.421
7.500000  0.853062  5.931928  1403.646
7.666667  0.855824  6.074335  1451.393
7.833333  0.858585  6.217202  1499.658
8.000000  0.861347  6.360530  1548.435
8.166667  0.864109  6.504318  1597.718
8.333333  0.866871  6.648566  1647.504
8.500000  0.869633  6.793275  1697.787
8.666667  0.872395  6.938444  1748.564
8.833333  0.875156  7.084073  1799.829
9.000000  0.877918  7.230163  1851.580
9.166667  0.880680  7.376713  1903.811
9.333333  0.883442  7.523723  1956.520
9.500000  0.886204  7.671193  2009.703
9.666667  0.888966  7.819124  2063.357
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9.833333  0.891728  7.967515  2117.478
10.00000  0.894490  8.116367  2172.063
10.16667  0.897252  8.265678  2227.110
10.33333  0.900013  8.415451  2282.616
10.50000  0.902775  8.565683  2338.578
10.66667  0.905537  8.716376  2394.993
10.83333  0.908299  8.867529  2451.860
11.00000  0.911061  9.019142  2509.175
11.16667  0.913823  9.171216  2566.936
11.33333  0.916585  9.323750  2625.142
11.50000  0.919347  9.476744  2683.790
11.66667  0.922109  9.630199  2742.879
11.83333  0.924871  9.784114  2802.406
12.00000  0.927633  9.938489  2862.370
12.16667  0.930395  10.09332  2922.768
12.33333  0.933157  10.24862  2983.600
12.50000  0.935919  10.40438  3044.864
12.66667  0.938681  10.56059  3106.557
12.83333  0.941443  10.71727  3168.680
13.00000  0.944205  10.87441  3231.230
13.16667  0.946967  11.03201  3294.206
13.33333  0.949729  11.19006  3357.607
13.50000  0.952491  11.34858  3421.431
13.66667  0.955253  11.50756  3485.678
13.83333  0.958015  11.66700  3550.346
14.00000  0.960777  11.82690  3615.435
14.16667  0.963540  11.98726  3680.942
14.33333  0.966302  12.14808  3746.868
14.50000  0.969064  12.30936  3813.212
14.66667  0.971826  12.47110  3879.972
14.83333  0.974588  12.63330  3947.147
15.00000  0.977350  12.79596  4014.738
END FTABLE 66
FTABLE     67
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.123232  0.000000  0.000000
0.333333  0.124166  0.041233  4.882721
0.666667  0.125100  0.082777  15.29204
1.000000  0.126034  0.124633  29.66727
1.333333  0.126968  0.166800  47.32186
1.666667  0.127902  0.209278  67.81795
2.000000  0.128835  0.252068  90.84081
2.333333  0.129769  0.295169  116.1494
2.666667  0.130703  0.338581  143.5518
3.000000  0.131637  0.382304  172.8911
3.333333  0.132571  0.426339  204.0361
3.666667  0.133505  0.470685  236.8762
4.000000  0.134439  0.515342  271.3162
4.333333  0.135373  0.560311  307.2741
4.666667  0.136307  0.605590  344.6784
5.000000  0.137240  0.651182  383.4661
5.333333  0.138174  0.697084  423.5821
5.666667  0.139108  0.743298  464.9771
6.000000  0.140042  0.789823  507.6074
6.333333  0.140976  0.836659  551.4340
6.666667  0.141910  0.883807  596.4218
7.000000  0.142844  0.931266  642.5394
7.333333  0.143778  0.979036  689.7582
7.666667  0.144712  1.027118  738.0528
8.000000  0.145646  1.075511  787.3997
8.333333  0.146580  1.124215  837.7779
8.666667  0.147514  1.173231  889.1681
9.000000  0.148448  1.222558  941.5531
9.333333  0.149382  1.272196  994.9167
9.666667  0.150316  1.322146  1049.245
10.00000  0.151250  1.372406  1104.523
10.33333  0.152184  1.422979  1160.741
10.66667  0.153118  1.473862  1217.886
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11.00000  0.154052  1.525057  1275.949
11.33333  0.154985  1.576563  1334.920
11.66667  0.155919  1.628381  1394.791
12.00000  0.156853  1.680510  1455.553
12.33333  0.157787  1.732950  1517.201
12.66667  0.158721  1.785701  1579.726
13.00000  0.159655  1.838764  1643.124
13.33333  0.160589  1.892138  1707.388
13.66667  0.161524  1.945824  1772.514
14.00000  0.162458  1.999821  1838.497
14.33333  0.163392  2.054129  1905.333
14.66667  0.164326  2.108748  1973.018
15.00000  0.165260  2.163679  2041.548
15.33333  0.166194  2.218921  2110.921
15.66667  0.167128  2.274475  2181.133
16.00000  0.168062  2.330340  2252.182
16.33333  0.168996  2.386516  2324.066
16.66667  0.169930  2.443004  2396.783
17.00000  0.170864  2.499802  2470.330
17.33333  0.171798  2.556913  2544.706
17.66667  0.172732  2.614334  2619.909
18.00000  0.173666  2.672067  2695.939
18.33333  0.174600  2.730112  2772.794
18.66667  0.175534  2.788468  2850.473
19.00000  0.176468  2.847135  2928.975
19.33333  0.177402  2.906113  3008.300
19.66667  0.178336  2.965403  3088.447
20.00000  0.179271  3.025004  3169.417
20.33333  0.180205  3.084917  3251.207
20.66667  0.181139  3.145140  3333.819
21.00000  0.182073  3.205676  3417.252
21.33333  0.183007  3.266522  3501.506
21.66667  0.183941  3.327680  3586.582
22.00000  0.184875  3.389150  3672.479
22.33333  0.185809  3.450930  3759.198
22.66667  0.186743  3.513022  3846.740
23.00000  0.187678  3.575426  3935.104
23.33333  0.188612  3.638141  4024.291
23.66667  0.189546  3.701167  4114.302
24.00000  0.190480  3.764505  4205.137
24.33333  0.191414  3.828154  4296.798
24.66667  0.192348  3.892114  4389.284
25.00000  0.193282  3.956386  4482.597
25.33333  0.194217  4.020969  4576.737
25.66667  0.195151  4.085864  4671.706
26.00000  0.196085  4.151069  4767.504
26.33333  0.197019  4.216587  4864.132
26.66667  0.197953  4.282415  4961.592
27.00000  0.198887  4.348556  5059.884
27.33333  0.199822  4.415007  5159.010
27.66667  0.200756  4.481770  5258.971
28.00000  0.201690  4.548844  5359.767
28.33333  0.202624  4.616230  5461.400
28.66667  0.203558  4.683927  5563.872
29.00000  0.204493  4.751935  5667.183
29.33333  0.205427  4.820255  5771.335
29.66667  0.206361  4.888887  5876.329
30.00000  0.207295  4.957829  5982.167
END FTABLE 67
FTABLE     38
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.168457  0.000000  0.000000
0.088889  0.170953  0.015085  0.667260
0.177778  0.173449  0.030392  2.099794
0.266667  0.175946  0.045920  4.093248
0.355556  0.178442  0.061671  6.560397
0.444444  0.180938  0.077643  9.446872
0.533333  0.183434  0.093838  12.71437
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0.622222	0.185930	0.110254	16.33413
0.711111	0.188426	0.126892	20.28363
0.800000	0.190922	0.143752	24.54481
0.888889	0.193419	0.160834	29.10286
0.977778	0.195915	0.178137	33.94547
1.066667	0.198411	0.195663	39.06230
1.155556	0.200907	0.213410	44.44461
1.244444	0.203403	0.231380	50.08490
1.333333	0.205900	0.249571	55.97677
1.422222	0.208396	0.267984	62.11469
1.511111	0.210892	0.286619	68.49390
1.600000	0.213388	0.305476	75.11025
1.688889	0.215885	0.324555	81.96018
1.777778	0.218381	0.343855	89.04056
1.866667	0.220877	0.363378	96.34872
1.955556	0.223374	0.383123	103.8823
2.044444	0.225870	0.403089	111.6393
2.133333	0.228366	0.423277	119.6180
2.222222	0.230863	0.443687	127.8168
2.311111	0.233359	0.464319	136.2346
2.400000	0.235855	0.485173	144.8702
2.488889	0.238352	0.506249	153.7227
2.577778	0.240848	0.527547	162.7914
2.666667	0.243345	0.549067	172.0756
2.755556	0.245841	0.570808	181.5750
2.844444	0.248337	0.592772	191.2891
2.933333	0.250834	0.614957	201.2176
3.022222	0.253330	0.637364	211.3605
3.111111	0.255827	0.659994	221.7176
3.200000	0.258323	0.682845	232.2888
3.288889	0.260820	0.705918	243.0744
3.377778	0.263316	0.729213	254.0744
3.466667	0.265813	0.752730	265.2890
3.555556	0.268309	0.776468	276.7184
3.644444	0.270806	0.800429	288.3630
3.733333	0.273302	0.824612	300.2230
3.822222	0.275799	0.849016	312.2990
3.911111	0.278296	0.873642	324.5912
4.000000	0.280792	0.898491	337.1001
4.088889	0.283289	0.923561	349.8263
4.177778	0.285785	0.948853	362.7703
4.266667	0.288282	0.974367	375.9325
4.355556	0.290779	1.000103	389.3137
4.444444	0.293275	1.026061	402.9143
4.533333	0.295772	1.052241	416.7350
4.622222	0.298269	1.078643	430.7764
4.711111	0.300765	1.105267	445.0392
4.800000	0.303262	1.132112	459.5241
4.888889	0.305759	1.159180	474.2318
4.977778	0.308255	1.186469	489.1629
5.066667	0.310752	1.213981	504.3183
5.155556	0.313249	1.241714	519.6985
5.244444	0.315746	1.269670	535.3045
5.333333	0.318242	1.297847	551.1369
5.422222	0.320739	1.326246	567.1966
5.511111	0.323236	1.354867	583.4842
5.600000	0.325733	1.383710	600.0006
5.688889	0.328230	1.412775	616.7466
5.777778	0.330726	1.442062	633.7231
5.866667	0.333223	1.471571	650.9307
5.955556	0.335720	1.501302	668.3704
6.044444	0.338217	1.531255	686.0429
6.133333	0.340714	1.561429	703.9491
6.222222	0.343211	1.591826	722.0899
6.311111	0.345708	1.622444	740.4660
6.400000	0.348204	1.653285	759.0784
6.488889	0.350701	1.684347	777.9279
6.577778	0.353198	1.715632	797.0153
6.666667	0.355695	1.747138	816.3415
6.755556	0.358192	1.778867	835.9074

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6.844444  0.360689  1.810817  855.7138
6.933333  0.363186  1.842989  875.7617
7.022222  0.365683  1.875383  896.0518
7.111111  0.368180  1.908000  916.5852
7.200000  0.370677  1.940838  937.3625
7.288889  0.373174  1.973898  958.3848
7.377778  0.375671  2.007180  979.6529
7.466667  0.378168  2.040684  1001.168
7.555556  0.380665  2.074410  1022.930
7.644444  0.383162  2.108358  1044.941
7.733333  0.385660  2.142527  1067.201
7.822222  0.388157  2.176919  1089.712
7.911111  0.390654  2.211533  1112.474
8.000000  0.393151  2.246369  1135.487
END FTABLE 38
FTABLE     44
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.346189  0.000000  0.000000
0.088889  0.352344  0.031046  0.450259
0.177778  0.358499  0.062639  1.414704
0.266667  0.364654  0.094779  2.754071
0.355556  0.370808  0.127466  4.409014
0.444444  0.376963  0.160701  6.342797
0.533333  0.383118  0.194482  8.529790
0.622222  0.389273  0.228810  10.95095
0.711111  0.395428  0.263686  13.59159
0.800000  0.401583  0.299109  16.44005
0.888889  0.407737  0.335078  19.48694
0.977778  0.413892  0.371595  22.72457
1.066667  0.420047  0.408659  26.14657
1.155556  0.426202  0.446270  29.74767
1.244444  0.432357  0.484429  33.52343
1.333333  0.438512  0.523134  37.47012
1.422222  0.444667  0.562386  41.58461
1.511111  0.450822  0.602186  45.86426
1.600000  0.456977  0.642532  50.30684
1.688889  0.463132  0.683426  54.91048
1.777778  0.469287  0.724867  59.67360
1.866667  0.475442  0.766855  64.59490
1.955556  0.481597  0.809390  69.67329
2.044444  0.487752  0.852472  74.90790
2.133333  0.493907  0.896101  80.29801
2.222222  0.500062  0.940278  85.84306
2.311111  0.506217  0.985001  91.54264
2.400000  0.512372  1.030272  97.39642
2.488889  0.518527  1.076089  103.4042
2.577778  0.524682  1.122454  109.5659
2.666667  0.530837  1.169366  115.8815
2.755556  0.536992  1.216825  122.3510
2.844444  0.543147  1.264832  128.9746
2.933333  0.549302  1.313385  135.7524
3.022222  0.555458  1.362485  142.6847
3.111111  0.561613  1.412133  149.7717
3.200000  0.567768  1.462328  157.0138
3.288889  0.573923  1.513069  164.4114
3.377778  0.580078  1.564358  171.9647
3.466667  0.586233  1.616194  179.6744
3.555556  0.592389  1.668578  187.5408
3.644444  0.598544  1.721508  195.5644
3.733333  0.604699  1.774985  203.7458
3.822222  0.610854  1.829010  212.0855
3.911111  0.617009  1.883582  220.5840
4.000000  0.623165  1.938700  229.2420
4.088889  0.629320  1.994366  238.0600
4.177778  0.635475  2.050580  247.0386
4.266667  0.641630  2.107340  256.1785
4.355556  0.647786  2.164647  265.4803
4.444444  0.653941  2.222502  274.9447
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4.533333  0.660096  2.280903  284.5723
4.622222  0.666252  2.339852  294.3638
4.711111  0.672407  2.399348  304.3199
4.800000  0.678562  2.459391  314.4413
4.888889  0.684718  2.519981  324.7286
4.977778  0.690873  2.581119  335.1827
5.066667  0.697028  2.642803  345.8041
5.155556  0.703184  2.705035  356.5937
5.244444  0.709339  2.767814  367.5521
5.333333  0.715495  2.831140  378.6801
5.422222  0.721650  2.895013  389.9784
5.511111  0.727805  2.959433  401.4478
5.600000  0.733961  3.024400  413.0889
5.688889  0.740116  3.089915  424.9027
5.777778  0.746272  3.155977  436.8897
5.866667  0.752427  3.222585  449.0508
5.955556  0.758583  3.289741  461.3866
6.044444  0.764738  3.357445  473.8981
6.133333  0.770894  3.425695  486.5859
6.222222  0.777049  3.494492  499.4508
6.311111  0.783205  3.563837  512.4936
6.400000  0.789360  3.633729  525.7149
6.488889  0.795516  3.704168  539.1157
6.577778  0.801671  3.775154  552.6967
6.666667  0.807827  3.846687  566.4586
6.755556  0.813982  3.918767  580.4022
6.844444  0.820138  3.991395  594.5284
6.933333  0.826294  4.064570  608.8377
7.022222  0.832449  4.138292  623.3312
7.111111  0.838605  4.212561  638.0094
7.200000  0.844760  4.287377  652.8732
7.288889  0.850916  4.362740  667.9234
7.377778  0.857072  4.438651  683.1607
7.466667  0.863227  4.515109  698.5860
7.555556  0.869383  4.592114  714.2000
7.644444  0.875539  4.669666  730.0034
7.733333  0.881694  4.747765  745.9971
7.822222  0.887850  4.826411  762.1818
7.911111  0.894006  4.905605  778.5583
8.000000  0.900162  4.985346  795.1274
END FTABLE 44
FTABLE     39
  4    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
2.000000  2.670000  4.590000  10.00000
4.000000  3.300000  10.55000  50.00000
6.000000  3.950000  17.79000  999.0000
END FTABLE 39
FTABLE     18
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.340000  0.003000  0.001000
0.100000  0.345000  0.033000  0.026000
0.200000  0.350000  0.067000  0.074000
0.300000  0.355000  0.102000  0.126000
0.400000  0.360000  0.137000  0.158000
0.500000  0.365000  0.173000  0.184000
0.600000  0.370000  0.210000  0.207000
0.700000  0.375000  0.247000  0.228000
0.800000  0.380000  0.284000  0.247000
0.900000  0.385000  0.322000  0.265000
1.000000  0.390000  0.360000  0.281000
1.100000  0.395000  0.399000  0.297000
1.200000  0.400000  0.439000  0.312000
1.300000  0.405000  0.479000  0.326000
1.400000  0.410000  0.519000  0.340000
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1.500000  0.415000  0.560000  0.353000
1.600000  0.420000  0.602000  0.365000
1.700000  0.425000  0.644000  0.378000
1.800000  0.430000  0.686000  0.389000
1.900000  0.435000  0.729000  0.401000
2.000000  0.440000  0.773000  0.412000
2.100000  0.445000  0.817000  0.423000
2.200000  0.450000  0.861000  0.433000
2.300000  0.455000  0.906000  0.444000
2.400000  0.460000  0.952000  0.454000
2.500000  0.465000  0.998000  0.464000
2.600000  0.470000  1.044000  0.473000
2.700000  0.475000  1.091000  0.483000
2.800000  0.480000  1.139000  0.492000
2.900000  0.485000  1.187000  0.501000
3.000000  0.490000  1.236000  0.510000
3.100000  0.495000  1.285000  0.519000
3.200000  0.500000  1.334000  0.528000
3.300000  0.505000  1.384000  0.536000
3.400000  0.510000  1.435000  0.545000
3.500000  0.515000  1.486000  0.553000
3.600000  0.520000  1.538000  0.561000
3.700000  0.525000  1.590000  0.569000
3.800000  0.530000  1.642000  0.577000
3.900000  0.535000  1.695000  0.585000
4.000000  0.540000  1.749000  0.592000
4.100000  0.545000  1.803000  0.705000
4.200000  0.550000  1.858000  0.905000
4.300000  0.555000  1.913000  1.162000
4.400000  0.560000  1.969000  1.465000
4.500000  0.565000  2.025000  1.807000
4.600000  0.570000  2.082000  2.061000
4.700000  0.575000  2.139000  2.259000
4.800000  0.580000  2.197000  2.436000
4.900000  0.585000  2.255000  2.599000
5.000000  0.590000  2.314000  2.749000
5.100000  0.595000  2.373000  2.891000
5.200000  0.600000  2.432000  3.024000
5.300000  0.605000  2.493000  3.152000
5.400000  0.610000  2.553000  3.273000
5.500000  0.615000  2.615000  3.389000
5.600000  0.620000  2.676000  3.501000
5.700000  0.625000  2.739000  3.610000
5.800000  0.630000  2.802000  3.714000
5.900000  0.635000  2.865000  3.816000
6.000000  0.640000  2.929000  3.914000
6.100000  0.645000  2.993000  4.010000
6.200000  0.650000  3.058000  4.104000
6.300000  0.655000  3.123000  4.195000
6.400000  0.660000  3.189000  4.284000
6.500000  0.665000  3.255000  4.371000
6.600000  0.670000  3.322000  4.456000
6.700000  0.675000  3.389000  4.540000
6.800000  0.680000  3.457000  4.622000
6.900000  0.685000  3.525000  4.702000
7.000000  0.690000  3.594000  4.781000
7.100000  0.695000  3.664000  5.186000
7.200000  0.700000  3.734000  5.859000
7.300000  0.705000  3.804000  6.707000
7.400000  0.710000  3.875000  7.696000
7.500000  0.715000  3.946000  8.807000
7.600000  0.720000  4.018000  10.02700
7.700000  0.725000  4.091000  11.34600
7.800000  0.730000  4.164000  12.75600
7.900000  0.735000  4.237000  14.25300
8.000000  0.740000  4.311000  15.83000
8.100000  0.800000  4.400000  999.0000
END FTABLE 18
FTABLE     19
 82    4
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Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.000000	0.000000	0.000000		
0.010000	0.100000	0.001000	0.001000		
0.100000	0.106000	0.008000	0.018000		
0.200000	0.111000	0.019000	0.046000		
0.300000	0.116000	0.030000	0.062000		
0.400000	0.121000	0.042000	0.075000		
0.500000	0.125000	0.054000	0.086000		
0.600000	0.130000	0.066000	0.096000		
0.700000	0.135000	0.080000	0.105000		
0.800000	0.140000	0.093000	0.113000		
0.900000	0.145000	0.107000	0.121000		
1.000000	0.150000	0.122000	0.128000		
1.100000	0.155000	0.137000	0.135000		
1.200000	0.160000	0.153000	0.141000		
1.300000	0.165000	0.169000	0.148000		
1.400000	0.170000	0.185000	0.153000		
1.500000	0.175000	0.202000	0.159000		
1.600000	0.180000	0.220000	0.165000		
1.700000	0.185000	0.238000	0.170000		
1.800000	0.190000	0.257000	0.175000		
1.900000	0.195000	0.276000	0.180000		
2.000000	0.200000	0.295000	0.185000		
2.100000	0.205000	0.315000	0.190000		
2.200000	0.210000	0.336000	0.195000		
2.300000	0.214000	0.357000	0.199000		
2.400000	0.219000	0.378000	0.204000		
2.500000	0.224000	0.400000	0.208000		
2.600000	0.229000	0.423000	0.212000		
2.700000	0.234000	0.445000	0.216000		
2.800000	0.239000	0.469000	0.220000		
2.900000	0.244000	0.493000	0.224000		
3.000000	0.249000	0.517000	0.228000		
3.100000	0.254000	0.542000	0.232000		
3.200000	0.259000	0.568000	0.236000		
3.300000	0.263000	0.593000	0.240000		
3.400000	0.268000	0.620000	0.244000		
3.500000	0.273000	0.647000	0.247000		
3.600000	0.278000	0.674000	0.251000		
3.700000	0.283000	0.702000	0.254000		
3.800000	0.288000	0.730000	0.284000		
3.900000	0.293000	0.759000	0.336000		
4.000000	0.297000	0.788000	0.401000		
4.100000	0.302000	0.818000	0.479000		
4.200000	0.307000	0.848000	0.566000		
4.300000	0.312000	0.879000	0.631000		
4.400000	0.317000	0.910000	0.682000		
4.500000	0.322000	0.942000	0.727000		
4.600000	0.326000	0.974000	0.875000		
4.700000	0.331000	1.007000	1.106000		
4.800000	0.336000	1.040000	1.393000		
4.900000	0.341000	1.074000	1.723000		
5.000000	0.346000	1.108000	2.091000		
5.100000	0.351000	1.143000	2.493000		
5.200000	0.355000	1.178000	2.926000		
5.300000	0.360000	1.214000	3.388000		
5.400000	0.365000	1.250000	3.876000		
5.500000	0.370000	1.287000	4.391000		
5.600000	0.375000	1.324000	4.929000		
5.700000	0.379000	1.361000	5.491000		
5.800000	0.384000	1.399000	6.074000		
5.900000	0.389000	1.438000	6.679000		
6.000000	0.394000	1.477000	7.305000		
6.100000	0.398000	1.517000	8.712000		
6.200000	0.403000	1.557000	10.65600		
6.300000	0.408000	1.597000	13.03400		
6.400000	0.413000	1.638000	15.76300		
6.500000	0.418000	1.680000	18.79400		
6.600000	0.422000	1.722000	22.09400		

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6.700000  0.427000  1.764000  25.64100
6.800000  0.432000  1.807000  29.41700
6.900000  0.437000  1.851000  33.40600
7.000000  0.441000  1.895000  37.59700
7.100000  0.446000  1.939000  41.98000
7.200000  0.451000  1.984000  46.54700
7.300000  0.456000  2.030000  51.28800
7.400000  0.460000  2.076000  56.19900
7.500000  0.465000  2.122000  61.27300
7.600000  0.470000  2.169000  66.50400
7.700000  0.474000  2.217000  71.88800
7.800000  0.479000  2.264000  77.42000
7.900000  0.484000  2.313000  83.09700
8.000000  0.489000  2.362000  999.0000
END FTABLE 19
FTABLE     49
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.068779  0.000000  0.000000
0.088889  0.070307  0.006182  0.434932
0.177778  0.071836  0.012499  1.363508
0.266667  0.073365  0.018952  2.649532
0.355556  0.074894  0.025542  4.235304
0.444444  0.076423  0.032267  6.085573
0.533333  0.077952  0.039128  8.176158
0.622222  0.079480  0.046125  10.48944
0.711111  0.081009  0.053258  13.01210
0.800000  0.082538  0.060527  15.73383
0.888889  0.084067  0.067931  18.64650
0.977778  0.085596  0.075472  21.74365
1.066667  0.087125  0.083148  25.02009
1.155556  0.088654  0.090961  28.47162
1.244444  0.090183  0.098909  32.09486
1.333333  0.091712  0.106993  35.88709
1.422222  0.093241  0.115213  39.84612
1.511111  0.094770  0.123570  43.97018
1.600000  0.096299  0.132061  48.25791
1.688889  0.097828  0.140689  52.70824
1.777778  0.099357  0.149453  57.32037
1.866667  0.100886  0.158353  62.09371
1.955556  0.102415  0.167388  67.02790
2.044444  0.103944  0.176560  72.12271
2.133333  0.105474  0.185867  77.37808
2.222222  0.107003  0.195311  82.79405
2.311111  0.108532  0.204890  88.37080
2.400000  0.110061  0.214605  94.10858
2.488889  0.111590  0.224457  100.0077
2.577778  0.113119  0.234444  106.0687
2.666667  0.114649  0.244567  112.2919
2.755556  0.116178  0.254826  118.6780
2.844444  0.117707  0.265221  125.2274
2.933333  0.119236  0.275751  131.9410
3.022222  0.120766  0.286418  138.8192
3.111111  0.122295  0.297221  145.8629
3.200000  0.123824  0.308159  153.0728
3.288889  0.125354  0.319234  160.4496
3.377778  0.126883  0.330445  167.9942
3.466667  0.128412  0.341791  175.7074
3.555556  0.129942  0.353273  183.5900
3.644444  0.131471  0.364892  191.6430
3.733333  0.133001  0.376646  199.8671
3.822222  0.134530  0.388536  208.2633
3.911111  0.136059  0.400562  216.8325
4.000000  0.137589  0.412725  225.5756
4.088889  0.139118  0.425023  234.4935
4.177778  0.140648  0.437457  243.5873
4.266667  0.142177  0.450027  252.8577
4.355556  0.143707  0.462733  262.3059
4.444444  0.145236  0.475575  271.9327
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4.533333  0.146766  0.488552  281.7392
4.622222  0.148295  0.501666  291.7263
4.711111  0.149825  0.514916  301.8950
4.800000  0.151355  0.528302  312.2462
4.888889  0.152884  0.541824  322.7811
4.977778  0.154414  0.555481  333.5005
5.066667  0.155944  0.569275  344.4055
5.155556  0.157473  0.583205  355.4970
5.244444  0.159003  0.597270  366.7762
5.333333  0.160533  0.611472  378.2439
5.422222  0.162062  0.625809  389.9012
5.511111  0.163592  0.640283  401.7491
5.600000  0.165122  0.654892  413.7887
5.688889  0.166651  0.669638  426.0208
5.777778  0.168181  0.684519  438.4466
5.866667  0.169711  0.699537  451.0670
5.955556  0.171241  0.714690  463.8831
6.044444  0.172771  0.729979  476.8959
6.133333  0.174300  0.745405  490.1063
6.222222  0.175830  0.760966  503.5155
6.311111  0.177360  0.776664  517.1243
6.400000  0.178890  0.792497  530.9339
6.488889  0.180420  0.808466  544.9452
6.577778  0.181950  0.824572  559.1593
6.666667  0.183480  0.840813  573.5771
6.755556  0.185010  0.857190  588.1997
6.844444  0.186540  0.873704  603.0281
6.933333  0.188070  0.890353  618.0632
7.022222  0.189600  0.907138  633.3062
7.111111  0.191130  0.924059  648.7579
7.200000  0.192660  0.941117  664.4195
7.288889  0.194190  0.958310  680.2919
7.377778  0.195720  0.975639  696.3761
7.466667  0.197250  0.993105  712.6731
7.555556  0.198780  1.010706  729.1839
7.644444  0.200310  1.028443  745.9096
7.733333  0.201840  1.046317  762.8510
7.822222  0.203370  1.064326  780.0093
7.911111  0.204900  1.082471  797.3855
8.000000  0.206430  1.100753  814.9804
END FTABLE 49
FTABLE     45
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.131772  0.000000  0.000000
0.088889  0.134701  0.011843  0.443984
0.177778  0.137630  0.023947  1.391885
0.266667  0.140558  0.036311  2.704672
0.355556  0.143487  0.048935  4.323447
0.444444  0.146416  0.061820  6.212223
0.533333  0.149344  0.074964  8.346316
0.622222  0.152273  0.088370  10.70774
0.711111  0.155202  0.102035  13.28290
0.800000  0.158131  0.115961  16.06127
0.888889  0.161059  0.130147  19.03457
0.977778  0.163988  0.144594  22.19617
1.066667  0.166917  0.159301  25.54079
1.155556  0.169846  0.174268  29.06415
1.244444  0.172775  0.189496  32.76281
1.333333  0.175704  0.204984  36.63396
1.422222  0.178633  0.220732  40.67537
1.511111  0.181561  0.236740  44.88527
1.600000  0.184490  0.253009  49.26223
1.688889  0.187419  0.269539  53.80518
1.777778  0.190348  0.286328  58.51329
1.866667  0.193277  0.303378  63.38598
1.955556  0.196206  0.320689  68.42285
2.044444  0.199135  0.338260  73.62369
2.133333  0.202064  0.356091  78.98843
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2.222222  0.204993  0.374182  84.51712
2.311111  0.207922  0.392534  90.20993
2.400000  0.210851  0.411146  96.06712
2.488889  0.213780  0.430019  102.0891
2.577778  0.216710  0.449151  108.2761
2.666667  0.219639  0.468545  114.6289
2.755556  0.222568  0.488198  121.1478
2.844444  0.225497  0.508112  127.8336
2.933333  0.228426  0.528287  134.6868
3.022222  0.231355  0.548721  141.7082
3.111111  0.234284  0.569416  148.8985
3.200000  0.237214  0.590372  156.2584
3.288889  0.240143  0.611588  163.7888
3.377778  0.243072  0.633064  171.4904
3.466667  0.246001  0.654801  179.3641
3.555556  0.248931  0.676798  187.4108
3.644444  0.251860  0.699055  195.6313
3.733333  0.254789  0.721573  204.0266
3.822222  0.257719  0.744351  212.5976
3.911111  0.260648  0.767389  221.3451
4.000000  0.263577  0.790688  230.2701
4.088889  0.266507  0.814248  239.3737
4.177778  0.269436  0.838067  248.6567
4.266667  0.272365  0.862147  258.1201
4.355556  0.275295  0.886488  267.7649
4.444444  0.278224  0.911089  277.5920
4.533333  0.281154  0.935950  287.6026
4.622222  0.284083  0.961071  297.7975
4.711111  0.287013  0.986454  308.1778
4.800000  0.289942  1.012096  318.7445
4.888889  0.292872  1.037999  329.4986
4.977778  0.295801  1.064162  340.4411
5.066667  0.298731  1.090586  351.5731
5.155556  0.301660  1.117270  362.8955
5.244444  0.304590  1.144214  374.4093
5.333333  0.307520  1.171419  386.1157
5.422222  0.310449  1.198884  398.0157
5.511111  0.313379  1.226610  410.1101
5.600000  0.316308  1.254596  422.4002
5.688889  0.319238  1.282843  434.8870
5.777778  0.322168  1.311350  447.5713
5.866667  0.325098  1.340117  460.4544
5.955556  0.328027  1.369145  473.5372
6.044444  0.330957  1.398433  486.8208
6.133333  0.333887  1.427982  500.3062
6.222222  0.336816  1.457791  513.9944
6.311111  0.339746  1.487860  527.8865
6.400000  0.342676  1.518190  541.9834
6.488889  0.345606  1.548780  556.2863
6.577778  0.348536  1.579631  570.7962
6.666667  0.351466  1.610742  585.5141
6.755556  0.354395  1.642114  600.4410
6.844444  0.357325  1.673746  615.5780
6.933333  0.360255  1.705638  630.9260
7.022222  0.363185  1.737791  646.4862
7.111111  0.366115  1.770204  662.2595
7.200000  0.369045  1.802878  678.2470
7.288889  0.371975  1.835812  694.4497
7.377778  0.374905  1.869007  710.8687
7.466667  0.377835  1.902462  727.5049
7.555556  0.380765  1.936178  744.3593
7.644444  0.383695  1.970154  761.4331
7.733333  0.386625  2.004390  778.7271
7.822222  0.389555  2.038887  796.2425
7.911111  0.392485  2.073644  813.9802
8.000000  0.395415  2.108662  831.9413
END FTABLE 45
FTABLE     20
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
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(ft)	(acres)	(acre-ft)	(cfs)	(ft/sec)	(Minutes)***
0.000000	0.000000	0.000000	0.000000		
0.010000	0.100000	0.001000	0.000000		
0.100000	0.104000	0.010000	0.013000		
0.200000	0.108000	0.021000	0.028000		
0.300000	0.112000	0.032000	0.037000		
0.400000	0.116000	0.044000	0.044000		
0.500000	0.120000	0.056000	0.050000		
0.600000	0.124000	0.068000	0.055000		
0.700000	0.128000	0.081000	0.060000		
0.800000	0.132000	0.094000	0.065000		
0.900000	0.135000	0.107000	0.069000		
1.000000	0.139000	0.121000	0.073000		
1.100000	0.143000	0.135000	0.077000		
1.200000	0.147000	0.150000	0.080000		
1.300000	0.151000	0.165000	0.084000		
1.400000	0.155000	0.180000	0.087000		
1.500000	0.159000	0.196000	0.090000		
1.600000	0.162000	0.212000	0.093000		
1.700000	0.166000	0.228000	0.096000		
1.800000	0.170000	0.245000	0.099000		
1.900000	0.174000	0.262000	0.102000		
2.000000	0.178000	0.280000	0.131000		
2.100000	0.182000	0.298000	0.182000		
2.200000	0.185000	0.316000	0.247000		
2.300000	0.189000	0.335000	0.323000		
2.400000	0.193000	0.354000	0.409000		
2.500000	0.197000	0.373000	0.474000		
2.600000	0.201000	0.393000	0.524000		
2.700000	0.204000	0.413000	0.569000		
2.800000	0.208000	0.434000	0.610000		
2.900000	0.212000	0.455000	0.648000		
3.000000	0.216000	0.476000	0.684000		
3.100000	0.220000	0.498000	0.718000		
3.200000	0.223000	0.520000	0.750000		
3.300000	0.227000	0.542000	0.781000		
3.400000	0.231000	0.565000	0.810000		
3.500000	0.235000	0.588000	0.839000		
3.600000	0.238000	0.612000	1.024000		
3.700000	0.242000	0.636000	1.340000		
3.800000	0.246000	0.660000	1.739000		
3.900000	0.250000	0.685000	2.207000		
4.000000	0.253000	0.710000	2.734000		
4.100000	0.257000	0.735000	3.313000		
4.200000	0.261000	0.761000	3.940000		
4.300000	0.265000	0.787000	4.612000		
4.400000	0.268000	0.814000	5.324000		
4.500000	0.272000	0.841000	6.076000		
4.600000	0.276000	0.868000	6.865000		
4.700000	0.280000	0.896000	7.689000		
4.800000	0.283000	0.924000	8.547000		
4.900000	0.287000	0.952000	9.438000		
5.000000	0.291000	0.981000	10.36000		
5.100000	0.294000	1.010000	12.03300		
5.200000	0.298000	1.040000	14.16400		
5.300000	0.302000	1.070000	16.71900		
5.400000	0.306000	1.100000	19.61600		
5.500000	0.309000	1.131000	22.80800		
5.600000	0.313000	1.162000	26.26400		
5.700000	0.317000	1.193000	29.96000		
5.800000	0.320000	1.225000	33.88000		
5.900000	0.324000	1.257000	38.00900		
6.000000	0.328000	1.290000	42.33600		
6.100000	0.331000	1.323000	46.85100		
6.200000	0.335000	1.356000	51.54500		
6.300000	0.339000	1.390000	56.41200		
6.400000	0.342000	1.424000	61.44500		
6.500000	0.346000	1.458000	66.63800		
6.600000	0.350000	1.493000	71.98500		
6.700000	0.353000	1.528000	77.48300		

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6.800000  0.357000  1.564000  83.12800
6.900000  0.361000  1.600000  88.91400
7.000000  0.364000  1.636000  94.83900
7.100000  0.368000  1.673000  100.8990
7.200000  0.372000  1.710000  107.0910
7.300000  0.375000  1.747000  113.4120
7.400000  0.379000  1.785000  119.8600
7.500000  0.382000  1.823000  126.4320
7.600000  0.386000  1.862000  133.1250
7.700000  0.390000  1.901000  139.9380
7.800000  0.393000  1.940000  146.8680
7.900000  0.397000  1.980000  153.9140
8.000000  0.401000  2.020000  161.0730
8.100000  0.600000  3.200000  999.0000
END FTABLE 20
FTABLE     21
 82    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.540000  0.005000  0.001000
0.200000  0.553000  0.110000  0.099000
0.300000  0.560000  0.165000  0.168000
0.400000  0.567000  0.221000  0.210000
0.500000  0.575000  0.278000  0.246000
0.600000  0.582000  0.336000  0.277000
0.700000  0.589000  0.394000  0.304000
0.800000  0.596000  0.453000  0.330000
0.900000  0.603000  0.513000  0.353000
1.000000  0.610000  0.573000  0.375000
1.100000  0.617000  0.635000  0.396000
1.200000  0.624000  0.696000  0.416000
1.300000  0.631000  0.759000  0.435000
1.400000  0.638000  0.822000  0.453000
1.500000  0.645000  0.886000  0.471000
1.600000  0.652000  0.951000  0.487000
1.700000  0.659000  1.017000  0.504000
1.800000  0.666000  1.083000  0.519000
1.900000  0.673000  1.150000  0.535000
2.000000  0.680000  1.217000  0.549000
2.100000  0.687000  1.286000  0.564000
2.200000  0.694000  1.355000  0.578000
2.300000  0.702000  1.425000  0.592000
2.400000  0.709000  1.495000  0.605000
2.500000  0.716000  1.566000  0.618000
2.600000  0.723000  1.638000  0.631000
2.700000  0.730000  1.711000  0.697000
2.800000  0.737000  1.784000  0.805000
2.900000  0.744000  1.858000  0.942000
3.000000  0.751000  1.933000  1.102000
3.100000  0.758000  2.009000  1.281000
3.200000  0.765000  2.085000  1.477000
3.300000  0.773000  2.162000  1.690000
3.400000  0.780000  2.240000  1.918000
3.500000  0.787000  2.318000  2.132000
3.600000  0.794000  2.397000  2.280000
3.700000  0.801000  2.477000  2.417000
3.800000  0.808000  2.558000  2.545000
3.900000  0.815000  2.639000  2.665000
4.000000  0.823000  2.721000  2.779000
4.100000  0.830000  2.804000  2.888000
4.200000  0.837000  2.887000  2.992000
4.300000  0.844000  2.971000  3.093000
4.400000  0.851000  3.056000  3.189000
4.500000  0.858000  3.142000  3.283000
4.600000  0.866000  3.228000  3.373000
4.700000  0.873000  3.315000  3.461000
4.800000  0.880000  3.403000  3.547000
4.900000  0.887000  3.491000  3.630000
5.000000  0.894000  3.580000  3.711000
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5.100000  0.901000  3.670000  4.096000
5.200000  0.909000  3.761000  4.732000
5.300000  0.916000  3.852000  5.531000
5.400000  0.923000  3.944000  6.462000
5.500000  0.930000  4.037000  7.506000
5.600000  0.937000  4.130000  8.652000
5.700000  0.945000  4.225000  9.890000
5.800000  0.952000  4.319000  11.21300
5.900000  0.959000  4.415000  12.61600
6.000000  0.966000  4.511000  14.09500
6.100000  0.974000  4.608000  15.64500
6.200000  0.981000  4.706000  17.26300
6.300000  0.988000  4.805000  18.94600
6.400000  0.995000  4.904000  20.69200
6.500000  1.002000  5.004000  22.49900
6.600000  1.010000  5.105000  24.36300
6.700000  1.017000  5.206000  26.28400
6.800000  1.024000  5.308000  28.26000
6.900000  1.031000  5.411000  30.28900
7.000000  1.039000  5.514000  32.37000
7.100000  1.046000  5.619000  34.50200
7.200000  1.053000  5.724000  36.68300
7.300000  1.060000  5.829000  38.91200
7.400000  1.068000  5.936000  41.18800
7.500000  1.075000  6.043000  43.51000
7.600000  1.082000  6.151000  45.95200
7.700000  1.090000  6.259000  48.74500
7.800000  1.097000  6.368000  52.53400
7.900000  1.104000  6.478000  56.95900
8.000000  1.111000  6.589000  61.89300
8.100000  1.119000  6.701000  999.0000
END FTABLE 21
FTABLE     22
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.001000
0.100000  0.104000  0.010000  0.018000
0.200000  0.108000  0.021000  0.046000
0.300000  0.112000  0.032000  0.062000
0.400000  0.116000  0.044000  0.075000
0.500000  0.120000  0.056000  0.086000
0.600000  0.124000  0.068000  0.096000
0.700000  0.128000  0.081000  0.105000
0.800000  0.132000  0.094000  0.113000
0.900000  0.135000  0.107000  0.121000
1.000000  0.139000  0.121000  0.128000
1.100000  0.143000  0.135000  0.135000
1.200000  0.147000  0.150000  0.141000
1.300000  0.151000  0.165000  0.148000
1.400000  0.155000  0.180000  0.153000
1.500000  0.159000  0.196000  0.159000
1.600000  0.162000  0.212000  0.165000
1.700000  0.166000  0.228000  0.170000
1.800000  0.170000  0.245000  0.175000
1.900000  0.174000  0.262000  0.180000
2.000000  0.178000  0.280000  0.185000
2.100000  0.182000  0.298000  0.190000
2.200000  0.185000  0.316000  0.195000
2.300000  0.189000  0.335000  0.199000
2.400000  0.193000  0.354000  0.204000
2.500000  0.197000  0.373000  0.208000
2.600000  0.201000  0.393000  0.212000
2.700000  0.204000  0.413000  0.216000
2.800000  0.208000  0.434000  0.220000
2.900000  0.212000  0.455000  0.224000
3.000000  0.216000  0.476000  0.228000
3.100000  0.220000  0.498000  0.232000
3.200000  0.223000  0.520000  0.236000
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3.300000  0.227000  0.542000  0.240000
3.400000  0.231000  0.565000  0.244000
3.500000  0.235000  0.588000  0.247000
3.600000  0.238000  0.612000  0.251000
3.700000  0.242000  0.636000  0.254000
3.800000  0.246000  0.660000  0.258000
3.900000  0.250000  0.685000  0.261000
4.000000  0.253000  0.710000  0.335000
4.100000  0.257000  0.735000  0.467000
4.200000  0.261000  0.761000  0.636000
4.300000  0.265000  0.787000  0.792000
4.400000  0.268000  0.814000  0.896000
4.500000  0.272000  0.841000  0.985000
4.600000  0.276000  0.868000  1.066000
4.700000  0.280000  0.896000  1.139000
4.800000  0.283000  0.924000  1.207000
4.900000  0.287000  0.952000  1.270000
5.000000  0.291000  0.981000  1.330000
5.100000  0.294000  1.010000  1.387000
5.200000  0.298000  1.040000  1.442000
5.300000  0.302000  1.070000  1.494000
5.400000  0.306000  1.100000  1.544000
5.500000  0.309000  1.131000  1.592000
5.600000  0.313000  1.162000  1.797000
5.700000  0.317000  1.193000  2.131000
5.800000  0.320000  1.225000  2.549000
5.900000  0.324000  1.257000  3.035000
6.000000  0.328000  1.290000  3.579000
6.100000  0.331000  1.323000  4.175000
6.200000  0.335000  1.356000  4.819000
6.300000  0.339000  1.390000  5.507000
6.400000  0.342000  1.424000  6.235000
6.500000  0.346000  1.458000  7.003000
6.600000  0.350000  1.493000  7.639000
6.700000  0.353000  1.528000  8.123000
6.800000  0.357000  1.564000  8.576000
6.900000  0.361000  1.600000  9.002000
7.000000  0.364000  1.636000  9.407000
7.100000  0.368000  1.673000  9.793000
7.200000  0.372000  1.710000  10.16300
7.300000  0.375000  1.747000  10.51800
7.400000  0.379000  1.785000  10.86100
7.500000  0.382000  1.823000  11.19300
7.600000  0.386000  1.862000  11.51400
7.700000  0.390000  1.901000  11.82600
7.800000  0.393000  1.940000  12.12900
7.900000  0.397000  1.980000  12.42400
8.000000  0.401000  2.020000  12.71300
8.100000  0.404000  2.060000  999.0000
END FTABLE 22
FTABLE     69
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.200872  0.000000  0.000000
0.333333  0.202212  0.067181  4.887855
0.666667  0.203552  0.134808  15.33176
1.000000  0.204891  0.202882  29.78675
1.333333  0.206231  0.271402  47.57501
1.666667  0.207570  0.340369  68.26373
2.000000  0.208910  0.409782  91.54075
2.333333  0.210249  0.479642  117.1660
2.666667  0.211589  0.549949  144.9474
3.000000  0.212929  0.620702  174.7268
3.333333  0.214268  0.691901  206.3715
3.666667  0.215608  0.763547  239.7688
4.000000  0.216948  0.835640  274.8211
4.333333  0.218287  0.908179  311.4438
4.666667  0.219627  0.981164  349.5627
5.000000  0.220967  1.054597  389.1120
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5.333333	0.222306	1.128476	430.0337
5.666667	0.223646	1.202801	472.2758
6.000000	0.224986	1.277573	515.7917
6.333333	0.226325	1.352791	560.5397
6.666667	0.227665	1.428456	606.4818
7.000000	0.229005	1.504568	653.5840
7.333333	0.230344	1.581126	701.8152
7.666667	0.231684	1.658131	751.1473
8.000000	0.233024	1.735582	801.5544
8.333333	0.234363	1.813480	853.0131
8.666667	0.235703	1.891824	905.5019
9.000000	0.237043	1.970615	959.0011
9.333333	0.238383	2.049853	1013.493
9.666667	0.239722	2.129537	1068.960
10.00000	0.241062	2.209668	1125.387
10.33333	0.242402	2.290245	1182.761
10.66667	0.243741	2.371269	1241.068
11.00000	0.245081	2.452739	1300.296
11.33333	0.246421	2.534656	1360.435
11.66667	0.247761	2.617020	1421.473
12.00000	0.249101	2.699830	1483.402
12.33333	0.250440	2.783087	1546.213
12.66667	0.251780	2.866790	1609.897
13.00000	0.253120	2.950940	1674.447
13.33333	0.254460	3.035537	1739.856
13.66667	0.255799	3.120580	1806.119
14.00000	0.257139	3.206070	1873.228
14.33333	0.258479	3.292006	1941.178
14.66667	0.259819	3.378389	2009.964
15.00000	0.261159	3.465219	2079.582
15.33333	0.262499	3.552495	2150.026
15.66667	0.263838	3.640218	2221.294
16.00000	0.265178	3.728387	2293.381
16.33333	0.266518	3.817003	2366.284
16.66667	0.267858	3.906066	2440.000
17.00000	0.269198	3.995575	2514.525
17.33333	0.270538	4.085531	2589.857
17.66667	0.271877	4.175933	2665.995
18.00000	0.273217	4.266783	2742.934
18.33333	0.274557	4.358078	2820.674
18.66667	0.275897	4.449821	2899.212
19.00000	0.277237	4.542010	2978.547
19.33333	0.278577	4.634645	3058.677
19.66667	0.279917	4.727728	3139.601
20.00000	0.281257	4.821257	3221.318
20.33333	0.282597	4.915232	3303.826
20.66667	0.283936	5.009654	3387.125
21.00000	0.285276	5.104523	3471.213
21.33333	0.286616	5.199838	3556.090
21.66667	0.287956	5.295601	3641.756
22.00000	0.289296	5.391809	3728.209
22.33333	0.290636	5.488465	3815.450
22.66667	0.291976	5.585567	3903.478
23.00000	0.293316	5.683115	3992.292
23.33333	0.294656	5.781111	4081.893
23.66667	0.295996	5.879553	4172.281
24.00000	0.297336	5.978441	4263.455
24.33333	0.298676	6.077777	4355.416
24.66667	0.300016	6.177559	4448.163
25.00000	0.301356	6.277787	4541.697
25.33333	0.302696	6.378463	4636.018
25.66667	0.304036	6.479585	4731.127
26.00000	0.305376	6.581153	4827.023
26.33333	0.306716	6.683169	4923.708
26.66667	0.308056	6.785631	5021.181
27.00000	0.309396	6.888539	5119.443
27.33333	0.310736	6.991894	5218.495
27.66667	0.312076	7.095696	5318.337
28.00000	0.313416	7.199945	5418.970
28.33333	0.314756	7.304640	5520.395

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28.66667  0.316096  7.409783  5622.612
29.00000  0.317436  7.515371  5725.622
29.33333  0.318776  7.621407  5829.426
29.66667  0.320116  7.727889  5934.025
30.00000  0.321456  7.834818  6039.419
END FTABLE 69
FTABLE     23
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.001000
0.100000  0.104000  0.010000  0.022000
0.200000  0.108000  0.021000  0.057000
0.300000  0.112000  0.032000  0.078000
0.400000  0.116000  0.044000  0.094000
0.500000  0.119000  0.056000  0.108000
0.600000  0.123000  0.068000  0.120000
0.700000  0.127000  0.081000  0.131000
0.800000  0.131000  0.094000  0.142000
0.900000  0.135000  0.107000  0.151000
1.000000  0.139000  0.121000  0.160000
1.100000  0.143000  0.135000  0.169000
1.200000  0.146000  0.150000  0.177000
1.300000  0.150000  0.165000  0.184000
1.400000  0.154000  0.180000  0.192000
1.500000  0.158000  0.196000  0.199000
1.600000  0.162000  0.212000  0.206000
1.700000  0.166000  0.228000  0.213000
1.800000  0.169000  0.245000  0.219000
1.900000  0.173000  0.262000  0.225000
2.000000  0.177000  0.280000  0.231000
2.100000  0.181000  0.298000  0.237000
2.200000  0.185000  0.316000  0.243000
2.300000  0.189000  0.335000  0.249000
2.400000  0.192000  0.354000  0.254000
2.500000  0.196000  0.373000  0.260000
2.600000  0.200000  0.393000  0.265000
2.700000  0.204000  0.413000  0.270000
2.800000  0.208000  0.434000  0.276000
2.900000  0.211000  0.455000  0.281000
3.000000  0.215000  0.476000  0.286000
3.100000  0.219000  0.498000  0.290000
3.200000  0.223000  0.520000  0.295000
3.300000  0.227000  0.542000  0.300000
3.400000  0.230000  0.565000  0.304000
3.500000  0.234000  0.588000  0.309000
3.600000  0.238000  0.612000  0.314000
3.700000  0.242000  0.636000  0.318000
3.800000  0.245000  0.660000  0.322000
3.900000  0.249000  0.685000  0.327000
4.000000  0.253000  0.710000  0.331000
4.100000  0.257000  0.735000  0.335000
4.200000  0.260000  0.761000  0.339000
4.300000  0.264000  0.787000  0.343000
4.400000  0.268000  0.814000  0.347000
4.500000  0.272000  0.841000  0.351000
4.600000  0.275000  0.868000  0.355000
4.700000  0.279000  0.896000  0.359000
4.800000  0.283000  0.924000  0.363000
4.900000  0.286000  0.952000  0.367000
5.000000  0.290000  0.981000  0.371000
5.100000  0.294000  1.010000  0.374000
5.200000  0.298000  1.040000  0.378000
5.300000  0.301000  1.070000  0.382000
5.400000  0.305000  1.100000  0.385000
5.500000  0.309000  1.131000  0.418000
5.600000  0.312000  1.162000  0.517000
5.700000  0.316000  1.193000  0.654000
5.800000  0.320000  1.225000  0.740000
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5.900000  0.323000  1.257000  0.810000
6.000000  0.327000  1.290000  0.870000
6.100000  0.331000  1.323000  0.994000
6.200000  0.334000  1.356000  1.172000
6.300000  0.338000  1.390000  1.384000
6.400000  0.342000  1.424000  1.623000
6.500000  0.345000  1.458000  1.887000
6.600000  0.349000  1.493000  2.173000
6.700000  0.353000  1.528000  2.478000
6.800000  0.356000  1.564000  2.802000
6.900000  0.360000  1.600000  3.143000
7.000000  0.364000  1.636000  3.501000
7.100000  0.367000  1.673000  3.874000
7.200000  0.371000  1.710000  4.262000
7.300000  0.375000  1.747000  4.665000
7.400000  0.378000  1.785000  5.081000
7.500000  0.382000  1.823000  5.510000
7.600000  0.386000  1.862000  5.953000
7.700000  0.389000  1.901000  6.408000
7.800000  0.393000  1.940000  6.875000
7.900000  0.396000  1.980000  7.355000
8.000000  0.400000  2.020000  7.845000
8.100000  0.404000  2.060000  999.0000
END FTABLE 23
FTABLE     68
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.545225  0.000000  0.000000
0.333333  0.548860  0.182348  4.660386
0.666667  0.552495  0.365907  14.61826
1.000000  0.556131  0.550678  28.40055
1.333333  0.559766  0.736661  45.36100
1.666667  0.563401  0.923855  65.08691
2.000000  0.567036  1.112261  87.28068
2.333333  0.570672  1.301879  111.7134
2.666667  0.574307  1.492709  138.2019
3.000000  0.577942  1.684751  166.5954
3.333333  0.581577  1.878004  196.7676
3.666667  0.585213  2.072469  228.6106
4.000000  0.588848  2.268146  262.0316
4.333333  0.592483  2.465034  296.9500
4.666667  0.596118  2.663134  333.2949
5.000000  0.599754  2.862446  371.0038
5.333333  0.603389  3.062970  410.0211
5.666667  0.607024  3.264706  450.2973
6.000000  0.610660  3.467653  491.7881
6.333333  0.614295  3.671812  534.4536
6.666667  0.617930  3.877183  578.2577
7.000000  0.621566  4.083766  623.1679
7.333333  0.625201  4.291560  669.1546
7.666667  0.628836  4.500566  716.1908
8.000000  0.632472  4.710784  764.2521
8.333333  0.636107  4.922214  813.3161
8.666667  0.639742  5.134856  863.3622
9.000000  0.643378  5.348709  914.3717
9.333333  0.647013  5.563774  966.3273
9.666667  0.650648  5.780051  1019.213
10.00000  0.654284  5.997540  1073.015
10.33333  0.657919  6.216240  1127.718
10.66667  0.661554  6.436153  1183.312
11.00000  0.665190  6.657277  1239.784
11.33333  0.668825  6.879612  1297.124
11.66667  0.672461  7.103160  1355.321
12.00000  0.676096  7.327920  1414.368
12.33333  0.679731  7.553891  1474.256
12.66667  0.683367  7.781074  1534.976
13.00000  0.687002  8.009469  1596.523
13.33333  0.690638  8.239075  1658.888
13.66667  0.694273  8.469894  1722.067
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14.00000  0.697909  8.701924  1786.052
14.33333  0.701544  8.935166  1850.840
14.66667  0.705179  9.169620  1916.425
15.00000  0.708815  9.405286  1982.803
15.33333  0.712450  9.642163  2049.970
15.66667  0.716086  9.880253  2117.921
16.00000  0.719721  10.11955  2186.653
16.33333  0.723357  10.36007  2256.163
16.66667  0.726992  10.60179  2326.448
17.00000  0.730628  10.84473  2397.506
17.33333  0.734263  11.08888  2469.332
17.66667  0.737899  11.33424  2541.926
18.00000  0.741534  11.58081  2615.285
18.33333  0.745170  11.82859  2689.407
18.66667  0.748805  12.07759  2764.290
19.00000  0.752441  12.32780  2839.933
19.33333  0.756076  12.57922  2916.334
19.66667  0.759712  12.83185  2993.492
20.00000  0.763347  13.08569  3071.406
20.33333  0.766983  13.34075  3150.075
20.66667  0.770618  13.59701  3229.497
21.00000  0.774254  13.85449  3309.672
21.33333  0.777889  14.11318  3390.599
21.66667  0.781525  14.37308  3472.278
22.00000  0.785160  14.63420  3554.708
22.33333  0.788796  14.89652  3637.889
22.66667  0.792431  15.16006  3721.820
23.00000  0.796067  15.42481  3806.501
23.33333  0.799703  15.69077  3891.933
23.66667  0.803338  15.95795  3978.114
24.00000  0.806974  16.22633  4065.045
24.33333  0.810609  16.49593  4152.726
24.66667  0.814245  16.76674  4241.157
25.00000  0.817881  17.03876  4330.338
25.33333  0.821516  17.31199  4420.270
25.66667  0.825152  17.58644  4510.952
26.00000  0.828787  17.86209  4602.386
26.33333  0.832423  18.13896  4694.571
26.66667  0.836059  18.41704  4787.508
27.00000  0.839694  18.69633  4881.197
27.33333  0.843330  18.97684  4975.640
27.66667  0.846965  19.25855  5070.836
28.00000  0.850601  19.54148  5166.786
28.33333  0.854237  19.82562  5263.490
28.66667  0.857872  20.11097  5360.950
29.00000  0.861508  20.39754  5459.167
29.33333  0.865144  20.68531  5558.140
29.66667  0.868779  20.97430  5657.871
30.00000  0.872415  21.26450  5758.360
END FTABLE 68
FTABLE     40
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.172635  0.000000  0.000000
0.088889  0.176472  0.015516  0.513243
0.177778  0.180309  0.031373  1.609011
0.266667  0.184146  0.047571  3.126586
0.355556  0.187983  0.064110  4.997880
0.444444  0.191820  0.080990  7.181295
0.533333  0.195657  0.098211  9.648294
0.622222  0.199494  0.115773  12.37809
0.711111  0.203331  0.133677  15.35496
0.800000  0.207168  0.151921  18.56674
0.888889  0.211005  0.170507  22.00385
0.977778  0.214842  0.189433  25.65865
1.066667  0.218679  0.208701  29.52501
1.155556  0.222516  0.228309  33.59800
1.244444  0.226353  0.248259  37.87362
1.333333  0.230190  0.268550  42.34865
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1.422222	0.234027	0.289182	47.02050
1.511111	0.237865	0.310155	51.88711
1.600000	0.241702	0.331469	56.94686
1.688889	0.245539	0.353124	62.19848
1.777778	0.249376	0.375120	67.64103
1.866667	0.253214	0.397458	73.27383
1.955556	0.257051	0.420136	79.09643
2.044444	0.260888	0.443156	85.10857
2.133333	0.264726	0.466516	91.31018
2.222222	0.268563	0.490218	97.70131
2.311111	0.272400	0.514261	104.2822
2.400000	0.276238	0.538645	111.0530
2.488889	0.280075	0.563370	118.0144
2.577778	0.283913	0.588436	125.1666
2.666667	0.287750	0.613843	132.5103
2.755556	0.291588	0.639591	140.0462
2.844444	0.295425	0.665681	147.7749
2.933333	0.299263	0.692111	155.6972
3.022222	0.303100	0.718883	163.8139
3.111111	0.306938	0.745996	172.1258
3.200000	0.310775	0.773450	180.6339
3.288889	0.314613	0.801245	189.3389
3.377778	0.318451	0.829381	198.2419
3.466667	0.322288	0.857858	207.3439
3.555556	0.326126	0.886677	216.6458
3.644444	0.329964	0.915836	226.1487
3.733333	0.333801	0.945337	235.8536
3.822222	0.337639	0.975179	245.7616
3.911111	0.341477	1.005362	255.8737
4.000000	0.345315	1.035886	266.1910
4.088889	0.349152	1.066751	276.7146
4.177778	0.352990	1.097957	287.4457
4.266667	0.356828	1.129505	298.3853
4.355556	0.360666	1.161393	309.5347
4.444444	0.364504	1.193623	320.8948
4.533333	0.368342	1.226194	332.4670
4.622222	0.372180	1.259106	344.2523
4.711111	0.376018	1.292359	356.2518
4.800000	0.379856	1.325954	368.4669
4.888889	0.383694	1.359889	380.8985
4.977778	0.387532	1.394166	393.5480
5.066667	0.391370	1.428784	406.4165
5.155556	0.395208	1.463743	419.5051
5.244444	0.399046	1.499043	432.8151
5.333333	0.402884	1.534684	446.3476
5.422222	0.406722	1.570667	460.1038
5.511111	0.410560	1.606991	474.0850
5.600000	0.414399	1.643655	488.2923
5.688889	0.418237	1.680661	502.7268
5.777778	0.422075	1.718009	517.3899
5.866667	0.425913	1.755697	532.2827
5.955556	0.429752	1.793726	547.4063
6.044444	0.433590	1.832097	562.7621
6.133333	0.437428	1.870809	578.3511
6.222222	0.441266	1.909862	594.1746
6.311111	0.445105	1.949257	610.2337
6.400000	0.448943	1.988992	626.5298
6.488889	0.452782	2.029069	643.0638
6.577778	0.456620	2.069486	659.8372
6.666667	0.460458	2.110246	676.8510
6.755556	0.464297	2.151346	694.1064
6.844444	0.468135	2.192787	711.6046
6.933333	0.471974	2.234570	729.3469
7.022222	0.475812	2.276694	747.3344
7.111111	0.479651	2.319159	765.5683
7.200000	0.483490	2.361965	784.0497
7.288889	0.487328	2.405112	802.7800
7.377778	0.491167	2.448601	821.7601
7.466667	0.495005	2.492431	840.9915
7.555556	0.498844	2.536602	860.4751

```
7.644444  0.502683  2.581114  880.2123
7.733333  0.506521  2.625968  900.2041
7.822222  0.510360  2.671163  920.4518
7.911111  0.514199  2.716699  940.9565
8.000000  0.518038  2.762576  961.7194
END FTABLE 40
FTABLE     70
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.567034  0.000000  0.000000
0.333333  0.570817  0.189642  12.41798
0.666667  0.574600  0.380545  38.95156
1.000000  0.578383  0.572708  75.67561
1.333333  0.582166  0.766133  120.8681
1.666667  0.585949  0.960819  173.4294
2.000000  0.589732  1.156766  232.5666
2.333333  0.593515  1.353974  297.6696
2.666667  0.597299  1.552443  368.2504
3.000000  0.601082  1.752173  443.9073
3.333333  0.604865  1.953164  524.3034
3.666667  0.608649  2.155417  609.1517
4.000000  0.612432  2.358930  698.2049
4.333333  0.616215  2.563705  791.2479
4.666667  0.619999  2.769740  888.0918
5.000000  0.623782  2.977037  988.5702
5.333333  0.627566  3.185595  1092.535
5.666667  0.631349  3.395414  1199.854
6.000000  0.635133  3.606495  1310.410
6.333333  0.638916  3.818836  1424.096
6.666667  0.642700  4.032439  1540.815
7.000000  0.646484  4.247303  1660.482
7.333333  0.650267  4.463428  1783.018
7.666667  0.654051  4.680814  1908.350
8.000000  0.657835  4.899462  2036.413
8.333333  0.661619  5.119371  2167.148
8.666667  0.665403  5.340541  2300.500
9.000000  0.669187  5.562973  2436.419
9.333333  0.672971  5.786666  2574.859
9.666667  0.676755  6.011620  2715.777
10.00000  0.680539  6.237836  2859.136
10.33333  0.684323  6.465312  3004.899
10.66667  0.688107  6.694051  3153.032
11.00000  0.691891  6.924050  3303.506
11.33333  0.695675  7.155311  3456.293
11.66667  0.699459  7.387834  3611.366
12.00000  0.703243  7.621617  3768.701
12.33333  0.707028  7.856663  3928.276
12.66667  0.710812  8.092969  4090.071
13.00000  0.714596  8.330537  4254.066
13.33333  0.718381  8.569367  4420.244
13.66667  0.722165  8.809458  4588.588
14.00000  0.725950  9.050810  4759.084
14.33333  0.729734  9.293424  4931.717
14.66667  0.733519  9.537299  5106.474
15.00000  0.737303  9.782436  5283.343
15.33333  0.741088  10.02883  5462.314
15.66667  0.744872  10.27649  5643.375
16.00000  0.748657  10.52542  5826.518
16.33333  0.752442  10.77560  6011.734
16.66667  0.756226  11.02704  6199.014
17.00000  0.760011  11.27975  6388.351
17.33333  0.763796  11.53372  6579.739
17.66667  0.767581  11.78895  6773.172
18.00000  0.771366  12.04544  6968.643
18.33333  0.775151  12.30319  7166.147
18.66667  0.778936  12.56221  7365.679
19.00000  0.782721  12.82248  7567.236
19.33333  0.786506  13.08402  7770.813
19.66667  0.790291  13.34682  7976.407
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20.00000  0.794076  13.61088  8184.015
20.33333  0.797861  13.87620  8393.634
20.66667  0.801646  14.14279  8605.260
21.00000  0.805431  14.41063  8818.894
21.33333  0.809217  14.67974  9034.531
21.66667  0.813002  14.95011  9252.171
22.00000  0.816787  15.22174  9471.813
22.33333  0.820572  15.49464  9693.455
22.66667  0.824358  15.76879  9917.097
23.00000  0.828143  16.04421  10142.74
23.33333  0.831929  16.32089  10370.38
23.66667  0.835714  16.59883  10600.01
24.00000  0.839500  16.87803  10831.65
24.33333  0.843285  17.15849  11065.28
24.66667  0.847071  17.44022  11300.91
25.00000  0.850857  17.72321  11538.54
25.33333  0.854642  18.00746  11778.17
25.66667  0.858428  18.29297  12019.81
26.00000  0.862214  18.57974  12263.44
26.33333  0.866000  18.86778  12509.07
26.66667  0.869785  19.15708  12756.71
27.00000  0.873571  19.44764  13006.35
27.33333  0.877357  19.73946  13258.00
27.66667  0.881143  20.03254  13511.66
28.00000  0.884929  20.32689  13767.33
28.33333  0.888715  20.62249  14025.00
28.66667  0.892501  20.91936  14284.69
29.00000  0.896287  21.21749  14546.40
29.33333  0.900073  21.51689  14810.12
29.66667  0.903859  21.81754  15075.86
30.00000  0.907646  22.11946  15343.63
END FTABLE 70
FTABLE     71
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.567034  0.000000  0.000000
0.333333  0.570817  0.189642  12.41798
0.666667  0.574600  0.380545  38.95156
1.000000  0.578383  0.572708  75.67561
1.333333  0.582166  0.766133  120.8681
1.666667  0.585949  0.960819  173.4294
2.000000  0.589732  1.156766  232.5666
2.333333  0.593515  1.353974  297.6696
2.666667  0.597299  1.552443  368.2504
3.000000  0.601082  1.752173  443.9073
3.333333  0.604865  1.953164  524.3034
3.666667  0.608649  2.155417  609.1517
4.000000  0.612432  2.358930  698.2049
4.333333  0.616215  2.563705  791.2479
4.666667  0.619999  2.769740  888.0918
5.000000  0.623782  2.977037  988.5702
5.333333  0.627566  3.185595  1092.535
5.666667  0.631349  3.395414  1199.854
6.000000  0.635133  3.606495  1310.410
6.333333  0.638916  3.818836  1424.096
6.666667  0.642700  4.032439  1540.815
7.000000  0.646484  4.247303  1660.482
7.333333  0.650267  4.463428  1783.018
7.666667  0.654051  4.680814  1908.350
8.000000  0.657835  4.899462  2036.413
8.333333  0.661619  5.119371  2167.148
8.666667  0.665403  5.340541  2300.500
9.000000  0.669187  5.562973  2436.419
9.333333  0.672971  5.786666  2574.859
9.666667  0.676755  6.011620  2715.777
10.00000  0.680539  6.237836  2859.136
10.33333  0.684323  6.465312  3004.899
10.66667  0.688107  6.694051  3153.032
11.00000  0.691891  6.924050  3303.506
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11.33333  0.695675  7.155311  3456.293
11.66667  0.699459  7.387834  3611.366
12.00000  0.703243  7.621617  3768.701
12.33333  0.707028  7.856663  3928.276
12.66667  0.710812  8.092969  4090.071
13.00000  0.714596  8.330537  4254.066
13.33333  0.718381  8.569367  4420.244
13.66667  0.722165  8.809458  4588.588
14.00000  0.725950  9.050810  4759.084
14.33333  0.729734  9.293424  4931.717
14.66667  0.733519  9.537299  5106.474
15.00000  0.737303  9.782436  5283.343
15.33333  0.741088  10.02883  5462.314
15.66667  0.744872  10.27649  5643.375
16.00000  0.748657  10.52542  5826.518
16.33333  0.752442  10.77560  6011.734
16.66667  0.756226  11.02704  6199.014
17.00000  0.760011  11.27975  6388.351
17.33333  0.763796  11.53372  6579.739
17.66667  0.767581  11.78895  6773.172
18.00000  0.771366  12.04544  6968.643
18.33333  0.775151  12.30319  7166.147
18.66667  0.778936  12.56221  7365.679
19.00000  0.782721  12.82248  7567.236
19.33333  0.786506  13.08402  7770.813
19.66667  0.790291  13.34682  7976.407
20.00000  0.794076  13.61088  8184.015
20.33333  0.797861  13.87620  8393.634
20.66667  0.801646  14.14279  8605.260
21.00000  0.805431  14.41063  8818.894
21.33333  0.809217  14.67974  9034.531
21.66667  0.813002  14.95011  9252.171
22.00000  0.816787  15.22174  9471.813
22.33333  0.820572  15.49464  9693.455
22.66667  0.824358  15.76879  9917.097
23.00000  0.828143  16.04421  10142.74
23.33333  0.831929  16.32089  10370.38
23.66667  0.835714  16.59883  10600.01
24.00000  0.839500  16.87803  10831.65
24.33333  0.843285  17.15849  11065.28
24.66667  0.847071  17.44022  11300.91
25.00000  0.850857  17.72321  11538.54
25.33333  0.854642  18.00746  11778.17
25.66667  0.858428  18.29297  12019.81
26.00000  0.862214  18.57974  12263.44
26.33333  0.866000  18.86778  12509.07
26.66667  0.869785  19.15708  12756.71
27.00000  0.873571  19.44764  13006.35
27.33333  0.877357  19.73946  13258.00
27.66667  0.881143  20.03254  13511.66
28.00000  0.884929  20.32689  13767.33
28.33333  0.888715  20.62249  14025.00
28.66667  0.892501  20.91936  14284.69
29.00000  0.896287  21.21749  14546.40
29.33333  0.900073  21.51689  14810.12
29.66667  0.903859  21.81754  15075.86
30.00000  0.907646  22.11946  15343.63
END FTABLE 71
FTABLE     46
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.044169  0.000000  0.000000
0.088889  0.045152  0.003970  0.766700
0.177778  0.046134  0.008027  2.403597
0.266667  0.047117  0.012171  4.670604
0.355556  0.048100  0.016403  7.466009
0.444444  0.049083  0.020723  10.72767
0.533333  0.050066  0.025129  14.41296
0.622222  0.051048  0.029623  18.49082
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0.711111	0.052031	0.034204	22.93778
0.800000	0.053014	0.038873	27.73565
0.888889	0.053998	0.043629	32.87012
0.977778	0.054981	0.048473	38.32979
1.066667	0.055964	0.053404	44.10550
1.155556	0.056947	0.058422	50.18987
1.244444	0.057930	0.063527	56.57694
1.333333	0.058914	0.068721	63.26190
1.422222	0.059897	0.074001	70.24088
1.511111	0.060880	0.079369	77.51080
1.600000	0.061864	0.084824	85.06922
1.688889	0.062847	0.090367	92.91428
1.777778	0.063831	0.095997	101.0446
1.866667	0.064815	0.101715	109.4590
1.955556	0.065798	0.107520	118.1570
2.044444	0.066782	0.113412	127.1382
2.133333	0.067766	0.119392	136.4024
2.222222	0.068749	0.125459	145.9497
2.311111	0.069733	0.131614	155.7804
2.400000	0.070717	0.137856	165.8950
2.488889	0.071701	0.144186	176.2940
2.577778	0.072685	0.150603	186.9783
2.666667	0.073669	0.157108	197.9486
2.755556	0.074653	0.163700	209.2060
2.844444	0.075637	0.170380	220.7514
2.933333	0.076622	0.177147	232.5860
3.022222	0.077606	0.184001	244.7110
3.111111	0.078590	0.190943	257.1276
3.200000	0.079574	0.197973	269.8372
3.288889	0.080559	0.205090	282.8411
3.377778	0.081543	0.212294	296.1408
3.466667	0.082528	0.219586	309.7376
3.555556	0.083512	0.226966	323.6332
3.644444	0.084497	0.234433	337.8289
3.733333	0.085481	0.241988	352.3264
3.822222	0.086466	0.249630	367.1273
3.911111	0.087451	0.257359	382.2331
4.000000	0.088436	0.265177	397.6455
4.088889	0.089420	0.273081	413.3660
4.177778	0.090405	0.281074	429.3965
4.266667	0.091390	0.289153	445.7385
4.355556	0.092375	0.297321	462.3938
4.444444	0.093360	0.305576	479.3640
4.533333	0.094345	0.313918	496.6509
4.622222	0.095330	0.322348	514.2561
4.711111	0.096315	0.330866	532.1815
4.800000	0.097301	0.339471	550.4288
4.888889	0.098286	0.348164	568.9996
4.977778	0.099271	0.356944	587.8959
5.066667	0.100257	0.365812	607.1192
5.155556	0.101242	0.374767	626.6715
5.244444	0.102227	0.383810	646.5544
5.333333	0.103213	0.392941	666.7697
5.422222	0.104198	0.402159	687.3193
5.511111	0.105184	0.411465	708.2049
5.600000	0.106170	0.420859	729.4282
5.688889	0.107155	0.430340	750.9911
5.777778	0.108141	0.439909	772.8953
5.866667	0.109127	0.449565	795.1426
5.955556	0.110113	0.459309	817.7349
6.044444	0.111099	0.469141	840.6738
6.133333	0.112084	0.479060	863.9612
6.222222	0.113070	0.489067	887.5989
6.311111	0.114056	0.499161	911.5886
6.400000	0.115043	0.509343	935.9322
6.488889	0.116029	0.519613	960.6314
6.577778	0.117015	0.529971	985.6880
6.666667	0.118001	0.540416	1011.104
6.755556	0.118987	0.550949	1036.881
6.844444	0.119974	0.561569	1063.020

```
6.933333  0.120960  0.572277  1089.524
7.022222  0.121946  0.583073  1116.394
7.111111  0.122933  0.593957  1143.633
7.200000  0.123919  0.604928  1171.241
7.288889  0.124906  0.615987  1199.221
7.377778  0.125892  0.627133  1227.574
7.466667  0.126879  0.638368  1256.303
7.555556  0.127866  0.649690  1285.408
7.644444  0.128853  0.661099  1314.892
7.733333  0.129839  0.672597  1344.757
7.822222  0.130826  0.684182  1375.003
7.911111  0.131813  0.695855  1405.634
8.000000  0.132800  0.707615  1436.650
END FTABLE 46
FTABLE     24
 82    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.100000  0.001000  0.000000
0.100000  0.104000  0.010000  0.013000
0.200000  0.108000  0.021000  0.028000
0.300000  0.112000  0.032000  0.037000
0.400000  0.116000  0.044000  0.044000
0.500000  0.120000  0.056000  0.050000
0.600000  0.124000  0.068000  0.055000
0.700000  0.128000  0.081000  0.060000
0.800000  0.132000  0.094000  0.065000
0.900000  0.135000  0.107000  0.069000
1.000000  0.139000  0.121000  0.073000
1.100000  0.143000  0.135000  0.077000
1.200000  0.147000  0.150000  0.080000
1.300000  0.151000  0.165000  0.084000
1.400000  0.155000  0.180000  0.087000
1.500000  0.159000  0.196000  0.090000
1.600000  0.162000  0.212000  0.093000
1.700000  0.166000  0.228000  0.096000
1.800000  0.170000  0.245000  0.099000
1.900000  0.174000  0.262000  0.102000
2.000000  0.178000  0.280000  0.131000
2.100000  0.182000  0.298000  0.182000
2.200000  0.185000  0.316000  0.247000
2.300000  0.189000  0.335000  0.306000
2.400000  0.193000  0.354000  0.347000
2.500000  0.197000  0.373000  0.382000
2.600000  0.201000  0.393000  0.413000
2.700000  0.204000  0.413000  0.442000
2.800000  0.208000  0.434000  0.468000
2.900000  0.212000  0.455000  0.493000
3.000000  0.216000  0.476000  0.517000
3.100000  0.220000  0.498000  0.539000
3.200000  0.223000  0.520000  0.560000
3.300000  0.227000  0.542000  0.581000
3.400000  0.231000  0.565000  0.601000
3.500000  0.235000  0.588000  0.620000
3.600000  0.238000  0.612000  0.726000
3.700000  0.242000  0.636000  0.904000
3.800000  0.246000  0.660000  1.130000
3.900000  0.250000  0.685000  1.393000
4.000000  0.253000  0.710000  1.688000
4.100000  0.257000  0.735000  2.013000
4.200000  0.261000  0.761000  2.364000
4.300000  0.265000  0.787000  2.740000
4.400000  0.268000  0.814000  3.139000
4.500000  0.272000  0.841000  3.559000
4.600000  0.276000  0.868000  4.000000
4.700000  0.280000  0.896000  4.461000
4.800000  0.283000  0.924000  4.940000
4.900000  0.287000  0.952000  5.438000
5.000000  0.291000  0.981000  5.952000
```

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5.100000  0.294000  1.010000  6.484000
5.200000  0.298000  1.040000  7.032000
5.300000  0.302000  1.070000  7.595000
5.400000  0.306000  1.100000  8.174000
5.500000  0.309000  1.131000  8.768000
5.600000  0.313000  1.162000  9.376000
5.700000  0.317000  1.193000  9.999000
5.800000  0.320000  1.225000  11.88900
5.900000  0.324000  1.257000  14.60600
6.000000  0.328000  1.290000  17.99000
6.100000  0.331000  1.323000  21.91100
6.200000  0.335000  1.356000  26.29600
6.300000  0.339000  1.390000  31.09500
6.400000  0.342000  1.424000  36.27100
6.500000  0.346000  1.458000  41.79700
6.600000  0.350000  1.493000  47.64900
6.700000  0.353000  1.528000  53.81000
6.800000  0.357000  1.564000  60.26300
6.900000  0.361000  1.600000  66.99500
7.000000  0.364000  1.636000  73.99500
7.100000  0.368000  1.673000  81.25100
7.200000  0.372000  1.710000  88.75500
7.300000  0.375000  1.747000  96.49900
7.400000  0.379000  1.785000  104.4740
7.500000  0.382000  1.823000  112.6750
7.600000  0.386000  1.862000  121.0940
7.700000  0.390000  1.901000  129.7270
7.800000  0.393000  1.940000  138.5670
7.900000  0.397000  1.980000  147.6100
8.000000  0.401000  2.020000  999.0000
END FTABLE 24
FTABLE     25
  9    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  0.400000  23.00000
1.500000  1.700000  1.090000  54.00000
2.500000  1.800000  2.320000  96.00000
3.500000  2.000000  4.540000  144.0000
5.500000  2.200000  7.830000  195.0000
7.500000  3.600000  12.26000  258.0000
9.500000  4.200000  18.19000  324.0000
10.00000  4.500000  20.00000  999.0000
END FTABLE 25
FTABLE     26
 10    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  2.140000  251.0000
1.500000  1.700000  7.080000  520.0000
2.500000  1.800000  10.91000  640.0000
3.500000  2.000000  15.21000  768.0000
5.500000  2.200000  19.84000  880.0000
7.500000  3.600000  24.92000  960.0000
9.500000  4.200000  30.37000  1040.000
11.50000  5.900000  61.40000  1392.000
12.00000  6.500000  70.00000  9999.000
END FTABLE 26
FTABLE     27
 98    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  1.400000  0.014000  0.009000
0.200000  1.344000  0.105000  0.844000
0.400000  1.386000  0.272000  2.387000
0.600000  1.429000  0.448000  4.385000
0.800000  1.473000  0.633000  6.751000
```

1.000000	1.518000	0.828000	9.435000
1.200000	1.564000	1.034000	12.40300
1.400000	1.610000	1.248000	15.62900
1.600000	1.658000	1.473000	19.09500
1.800000	1.706000	1.707000	22.78500
2.000000	1.756000	1.951000	26.68600
2.200000	1.806000	2.204000	30.78800
2.400000	1.858000	2.468000	35.08000
2.600000	1.910000	2.741000	39.62800
2.800000	1.963000	3.023000	42.46200
3.000000	2.018000	3.316000	45.11800
3.200000	2.073000	3.618000	47.62700
3.400000	2.129000	3.930000	50.00900
3.600000	2.186000	4.251000	52.28400
3.800000	2.244000	4.583000	54.46300
4.000000	2.303000	4.924000	56.55900
4.200000	2.363000	5.274000	58.57900
4.400000	2.424000	5.635000	60.53200
4.600000	2.485000	6.005000	62.42400
4.800000	2.548000	6.385000	64.26100
5.000000	2.612000	6.774000	66.04600
5.200000	2.676000	7.174000	67.78500
5.400000	2.742000	7.583000	69.47900
5.600000	2.808000	8.001000	71.13400
5.800000	2.876000	8.430000	72.75100
6.000000	2.944000	8.868000	74.33200
6.200000	3.014000	9.316000	75.88100
6.400000	3.084000	9.773000	77.39900
6.600000	3.155000	10.24000	78.88800
6.800000	3.227000	10.71700	80.34900
7.000000	3.300000	11.20400	81.78400
7.200000	3.375000	11.70000	83.19400
7.400000	3.450000	12.20600	84.58000
7.600000	3.525000	12.72200	85.94500
7.800000	3.602000	13.24800	87.28800
8.000000	3.680000	13.78300	88.61000
8.200000	3.759000	14.32800	89.91300
8.400000	3.839000	14.88200	91.19800
8.600000	3.919000	15.44700	92.46500
8.800000	4.001000	16.02100	93.71400
9.000000	4.084000	16.60500	94.94700
9.200000	4.167000	17.19800	96.16500
9.400000	4.252000	17.80100	97.36700
9.600000	4.337000	18.41400	102.7660
9.800000	4.423000	19.03700	121.6140
10.00000	4.511000	19.66900	147.9800
10.20000	4.599000	20.31100	180.0440
10.40000	4.688000	20.96300	216.8960
10.60000	4.778000	21.62400	257.9600
10.80000	4.869000	22.29500	302.8310
11.00000	4.961000	22.97600	351.2000
11.20000	5.054000	23.66700	402.8250
11.40000	5.148000	24.36700	457.5060
11.60000	5.243000	25.07700	515.0770
11.80000	5.339000	25.79700	575.3970
12.00000	5.436000	26.52600	638.3440
12.20000	5.533000	27.26500	703.8090
12.40000	5.632000	28.01400	771.6970
12.60000	5.731000	28.77300	841.9230
12.80000	5.832000	29.54100	914.4110
13.00000	5.933000	30.31900	989.0900
13.20000	6.036000	31.10700	1065.897
13.40000	6.139000	31.90400	1144.774
13.60000	6.244000	32.71100	1225.666
13.80000	6.349000	33.52800	1308.525
14.00000	6.455000	34.35500	1393.302
14.20000	6.562000	35.19100	1479.957
14.40000	6.670000	36.03700	1568.447
14.60000	6.779000	36.89200	1658.736
14.80000	6.889000	37.75800	1750.788

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15.00000  7.000000  38.63300  1844.568
15.20000  7.112000  39.51800  1940.046
15.40000  7.225000  40.41200  2037.191
15.60000  7.339000  41.31600  2135.975
15.80000  7.453000  42.23000  2236.371
16.00000  7.569000  43.15400  2338.352
16.20000  7.685000  44.08700  2441.896
16.40000  7.803000  45.03000  2546.977
16.60000  7.921000  45.98300  2653.573
16.80000  8.041000  46.94600  2761.664
17.00000  8.161000  47.91800  2871.229
17.20000  8.283000  48.90000  2982.247
17.40000  8.405000  49.89100  3094.699
17.60000  8.528000  50.89300  3208.569
17.80000  8.652000  51.90400  3323.837
18.00000  8.777000  52.92400  3440.487
18.20000  8.903000  53.95500  3558.503
18.40000  9.030000  54.99500  3677.869
18.60000  9.158000  56.04500  3798.569
18.80000  9.287000  57.10400  3920.590
19.00000  9.417000  58.17400  4043.916
19.20000  9.548000  59.25300  4168.534
END FTABLE 27
FTABLE     28
  9    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  0.050000  2.100000
1.500000  1.700000  0.180000  5.080000
2.500000  1.800000  0.420000  8.720000
3.500000  2.000000  0.770000  12.92000
5.500000  2.200000  1.230000  29.14000
7.500000  3.600000  1.800000  36.96000
9.500000  4.200000  2.490000  43.21000
10.00000  4.500000  2.700000  999.0000
END FTABLE 28
FTABLE     29
 11    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.500000  1.600000  0.030000  2.850000
1.500000  1.700000  0.080000  4.270000
2.500000  1.800000  0.170000  5.710000
3.500000  2.000000  0.290000  6.840000
5.500000  2.200000  0.450000  7.760000
7.500000  3.600000  0.650000  13.30000
9.500000  4.200000  0.900000  15.99000
11.50000  5.900000  1.220000  18.17000
16.50000  7.600000  1.600000  20.06000
17.50000  8.000000  1.800000  999.0000
END FTABLE 29
FTABLE     30
 82    4
    Depth      Area    Volume  Outflow1 Velocity  Travel Time***
     (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.150000  0.002000  0.001000
0.200000  0.160000  0.030000  0.074000
0.300000  0.164000  0.047000  0.126000
0.400000  0.169000  0.064000  0.158000
0.500000  0.173000  0.081000  0.184000
0.600000  0.177000  0.099000  0.207000
0.700000  0.182000  0.117000  0.228000
0.800000  0.186000  0.136000  0.247000
0.900000  0.191000  0.155000  0.265000
1.000000  0.195000  0.174000  0.281000
1.100000  0.200000  0.194000  0.297000
1.200000  0.204000  0.214000  0.312000
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1.300000  0.209000  0.235000  0.326000
1.400000  0.213000  0.256000  0.340000
1.500000  0.218000  0.278000  0.353000
1.600000  0.222000  0.300000  0.365000
1.700000  0.226000  0.322000  0.378000
1.800000  0.231000  0.345000  0.389000
1.900000  0.235000  0.369000  0.401000
2.000000  0.240000  0.393000  0.412000
2.100000  0.244000  0.417000  0.423000
2.200000  0.249000  0.441000  0.433000
2.300000  0.253000  0.467000  0.444000
2.400000  0.257000  0.492000  0.454000
2.500000  0.262000  0.518000  0.464000
2.600000  0.266000  0.544000  0.473000
2.700000  0.271000  0.571000  0.483000
2.800000  0.275000  0.598000  0.492000
2.900000  0.279000  0.626000  0.501000
3.000000  0.284000  0.654000  0.510000
3.100000  0.288000  0.683000  0.519000
3.200000  0.293000  0.712000  0.528000
3.300000  0.297000  0.741000  0.536000
3.400000  0.301000  0.771000  0.545000
3.500000  0.306000  0.801000  0.553000
3.600000  0.310000  0.832000  0.561000
3.700000  0.314000  0.863000  0.569000
3.800000  0.319000  0.895000  0.577000
3.900000  0.323000  0.927000  0.585000
4.000000  0.327000  0.959000  0.592000
4.100000  0.332000  0.992000  0.600000
4.200000  0.336000  1.025000  0.607000
4.300000  0.340000  1.059000  0.615000
4.400000  0.345000  1.093000  0.622000
4.500000  0.349000  1.128000  0.629000
4.600000  0.353000  1.163000  0.637000
4.700000  0.358000  1.198000  0.644000
4.800000  0.362000  1.234000  0.651000
4.900000  0.366000  1.270000  0.658000
5.000000  0.371000  1.307000  0.664000
5.100000  0.375000  1.344000  0.671000
5.200000  0.379000  1.382000  0.678000
5.300000  0.384000  1.420000  0.685000
5.400000  0.388000  1.459000  0.691000
5.500000  0.392000  1.498000  0.698000
5.600000  0.397000  1.537000  0.704000
5.700000  0.401000  1.577000  0.711000
5.800000  0.405000  1.617000  0.717000
5.900000  0.409000  1.657000  0.723000
6.000000  0.414000  1.699000  0.729000
6.100000  0.418000  1.740000  0.736000
6.200000  0.422000  1.782000  0.742000
6.300000  0.427000  1.824000  0.748000
6.400000  0.431000  1.867000  0.754000
6.500000  0.435000  1.910000  0.760000
6.600000  0.439000  1.954000  0.766000
6.700000  0.444000  1.998000  0.772000
6.800000  0.448000  2.043000  0.777000
6.900000  0.452000  2.088000  0.783000
7.000000  0.456000  2.133000  0.789000
7.100000  0.461000  2.179000  0.795000
7.200000  0.465000  2.225000  0.800000
7.300000  0.469000  2.272000  0.806000
7.400000  0.473000  2.319000  0.812000
7.500000  0.477000  2.367000  0.817000
7.600000  0.482000  2.415000  0.823000
7.700000  0.486000  2.463000  0.828000
7.800000  0.490000  2.512000  0.834000
7.900000  0.494000  2.561000  0.839000
8.000000  0.499000  2.611000  0.844000
8.100000  0.503000  2.661000  999.0000
END FTABLE 30
```

FTABLE 41
93 4

Depth (ft)	Area (acres)	Volume (acre-ft)	Outflow1 (cfs)	Velocity (ft/sec)	Travel Time*** (Minutes)***
0.000000	0.000000	0.000000	0.000000		
0.100000	0.310000	0.031000	0.088000		
0.200000	0.294000	0.439000	0.248000		
0.400000	0.304000	0.462000	0.702000		
0.600000	0.313000	0.488000	1.290000		
0.800000	0.323000	0.518000	1.986000		
1.000000	0.333000	0.551000	2.775000		
1.200000	0.343000	0.588000	3.648000		
1.400000	0.354000	0.629000	4.597000		
1.600000	0.364000	0.673000	5.616000		
1.800000	0.375000	0.721000	6.701000		
2.000000	0.386000	0.772000	7.849000		
2.200000	0.397000	0.828000	9.055000		
2.400000	0.408000	0.886000	10.31800		
2.600000	0.419000	0.949000	11.63400		
2.800000	0.431000	1.015000	13.00200		
3.000000	0.442000	1.085000	14.41900		
3.200000	0.454000	1.158000	15.69500		
3.400000	0.466000	1.235000	16.59200		
3.600000	0.478000	1.316000	17.44400		
3.800000	0.491000	1.400000	18.25600		
4.000000	0.503000	1.488000	19.03300		
4.200000	0.516000	1.580000	19.78000		
4.400000	0.529000	1.675000	20.49900		
4.600000	0.542000	1.774000	21.19400		
4.800000	0.555000	1.877000	21.86700		
5.000000	0.569000	1.983000	22.52000		
5.200000	0.582000	2.093000	23.15400		
5.400000	0.596000	2.206000	24.08800		
5.600000	0.610000	2.323000	26.01500		
5.800000	0.624000	2.444000	28.49300		
6.000000	0.638000	2.568000	31.38600		
6.200000	0.653000	2.696000	34.62600		
6.400000	0.667000	2.828000	38.17100		
6.600000	0.682000	2.963000	41.99200		
6.800000	0.697000	3.102000	46.06500		
7.000000	0.712000	3.245000	50.37300		
7.200000	0.727000	3.391000	54.90300		
7.400000	0.743000	3.541000	59.64000		
7.600000	0.758000	3.694000	64.57700		
7.800000	0.774000	3.852000	69.70300		
8.000000	0.790000	4.012000	75.01100		
8.200000	0.806000	4.177000	80.49400		
8.400000	0.822000	4.345000	86.14600		
8.600000	0.839000	4.517000	91.96200		
8.800000	0.856000	4.692000	97.93700		
9.000000	0.872000	4.871000	103.5650		
9.200000	0.889000	5.054000	107.5340		
9.400000	0.907000	5.240000	111.3360		
9.600000	0.924000	5.430000	118.5670		
9.800000	0.941000	5.624000	128.6280		
10.00000	0.959000	5.821000	140.5020		
10.20000	0.977000	6.022000	153.8290		
10.40000	0.995000	6.226000	168.4060		
10.60000	1.013000	6.434000	184.0980		
10.80000	1.031000	6.646000	200.8070		
11.00000	1.050000	6.861000	218.4560		
11.20000	1.069000	7.080000	236.9850		
11.40000	1.088000	7.303000	256.3440		
11.60000	1.107000	7.530000	276.4920		
11.80000	1.126000	7.760000	297.3930		
12.00000	1.145000	7.993000	319.0160		
12.20000	1.165000	8.230000	341.3330		
12.40000	1.184000	8.471000	364.3190		
12.60000	1.204000	8.716000	387.9540		
12.80000	1.224000	8.964000	412.2170		

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13.00000  1.245000  9.216000  437.0910
13.20000  1.265000  9.471000  462.5590
13.40000  1.286000  9.730000  488.6050
13.60000  1.306000  9.993000  515.2170
13.80000  1.327000  10.26000  542.3800
14.00000  1.348000  10.53000  570.0840
14.20000  1.370000  10.80300  598.3160
14.40000  1.391000  11.08100  627.0660
14.60000  1.413000  11.36200  656.3240
14.80000  1.435000  11.64600  686.0820
15.00000  1.457000  11.93400  716.3290
15.20000  1.479000  12.22600  747.0580
15.40000  1.501000  12.52200  778.2610
15.60000  1.523000  12.82100  809.9290
15.80000  1.546000  13.12400  842.0570
16.00000  1.569000  13.43000  874.6370
16.20000  1.592000  13.74000  907.6630
16.40000  1.615000  14.05400  941.1280
16.60000  1.638000  14.37100  975.0260
16.80000  1.662000  14.69200  1009.352
17.00000  1.685000  15.01700  1044.099
17.20000  1.709000  15.34500  1079.264
17.40000  1.733000  15.67700  1114.840
17.60000  1.757000  16.01300  1150.824
17.80000  1.782000  16.35200  1187.209
18.00000  1.806000  16.69500  1223.991
18.20000  1.831000  17.04100  9999.000
END FTABLE 41
FTABLE     31
 93    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.340000  0.003000  0.001000
0.100000  0.346000  0.034000  0.044000
0.200000  0.353000  0.069000  0.124000
0.300000  0.360000  0.105000  0.228000
0.400000  0.367000  0.141000  0.351000
0.500000  0.375000  0.178000  0.451000
0.600000  0.382000  0.216000  0.523000
0.700000  0.389000  0.254000  0.586000
0.800000  0.396000  0.293000  0.643000
0.900000  0.404000  0.333000  0.695000
1.000000  0.411000  0.374000  0.744000
1.100000  0.418000  0.415000  0.789000
1.200000  0.425000  0.457000  0.832000
1.300000  0.433000  0.500000  0.873000
1.400000  0.440000  0.544000  0.913000
1.500000  0.447000  0.588000  0.950000
1.600000  0.454000  0.633000  0.986000
1.700000  0.461000  0.679000  1.021000
1.800000  0.469000  0.725000  1.055000
1.900000  0.476000  0.772000  1.087000
2.000000  0.483000  0.820000  1.119000
2.100000  0.490000  0.869000  1.150000
2.200000  0.498000  0.918000  1.180000
2.300000  0.505000  0.968000  1.209000
2.400000  0.512000  1.019000  1.238000
2.500000  0.519000  1.070000  1.265000
2.600000  0.527000  1.123000  1.293000
2.700000  0.534000  1.176000  1.320000
2.800000  0.541000  1.229000  1.346000
2.900000  0.548000  1.284000  1.371000
3.000000  0.555000  1.339000  1.397000
3.100000  0.563000  1.395000  1.421000
3.200000  0.570000  1.451000  1.446000
3.300000  0.577000  1.509000  1.470000
3.400000  0.584000  1.567000  1.493000
3.500000  0.592000  1.625000  1.517000
3.600000  0.599000  1.685000  1.539000
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3.700000  0.606000  1.745000  1.562000
3.800000  0.613000  1.806000  1.584000
3.900000  0.620000  1.868000  1.606000
4.000000  0.628000  1.930000  1.628000
4.100000  0.635000  1.993000  1.649000
4.200000  0.642000  2.057000  1.670000
4.300000  0.649000  2.122000  1.691000
4.400000  0.657000  2.187000  1.711000
4.500000  0.664000  2.253000  1.732000
4.600000  0.671000  2.320000  1.752000
4.700000  0.678000  2.387000  1.772000
4.800000  0.686000  2.455000  1.791000
4.900000  0.693000  2.524000  1.811000
5.000000  0.700000  2.594000  1.830000
5.100000  0.707000  2.664000  1.849000
5.200000  0.714000  2.735000  1.868000
5.300000  0.722000  2.807000  1.886000
5.400000  0.729000  2.880000  1.905000
5.500000  0.736000  2.953000  1.923000
5.600000  0.743000  3.027000  1.941000
5.700000  0.751000  3.102000  1.959000
5.800000  0.758000  3.177000  1.977000
5.900000  0.765000  3.253000  1.994000
6.000000  0.772000  3.330000  2.012000
6.100000  0.780000  3.408000  2.029000
6.200000  0.787000  3.486000  2.046000
6.300000  0.794000  3.565000  2.063000
6.400000  0.801000  3.645000  2.080000
6.500000  0.808000  3.725000  2.097000
6.600000  0.816000  3.807000  2.113000
6.700000  0.823000  3.889000  2.130000
6.800000  0.830000  3.971000  2.146000
6.900000  0.837000  4.055000  2.162000
7.000000  0.845000  4.139000  2.179000
7.100000  0.852000  4.224000  2.194000
7.200000  0.859000  4.309000  2.210000
7.300000  0.866000  4.396000  2.226000
7.400000  0.873000  4.483000  2.242000
7.500000  0.881000  4.570000  2.257000
7.600000  0.888000  4.659000  2.273000
7.700000  0.895000  4.748000  2.288000
7.800000  0.902000  4.838000  2.303000
7.900000  0.910000  4.929000  2.318000
8.000000  0.917000  5.020000  2.333000
8.200000  0.931000  5.205000  2.363000
8.400000  0.946000  5.393000  2.393000
8.600000  0.960000  5.584000  2.422000
8.800000  0.975000  5.777000  2.450000
9.000000  0.989000  5.974000  2.479000
9.200000  1.004000  6.173000  2.507000
9.400000  1.018000  6.376000  2.534000
9.600000  1.033000  6.581000  2.562000
9.800000  1.047000  6.789000  2.589000
10.00000  1.061000  7.000000  2.616000
10.20000  1.076000  7.214000  999.0000
END FTABLE 31
FTABLE     57
 97    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.600000  0.006000  0.007000
0.100000  0.611000  0.060000  0.211000
0.200000  0.622000  0.122000  0.596000
0.300000  0.633000  0.184000  1.094000
0.400000  0.645000  0.248000  1.685000
0.500000  0.656000  0.313000  2.355000
0.600000  0.667000  0.379000  3.095000
0.700000  0.679000  0.446000  3.901000
0.800000  0.690000  0.514000  4.766000
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0.900000	0.702000	0.584000	5.686000
1.000000	0.714000	0.655000	6.660000
1.100000	0.726000	0.727000	7.459000
1.200000	0.738000	0.800000	8.057000
1.300000	0.751000	0.874000	8.613000
1.400000	0.763000	0.950000	9.136000
1.500000	0.775000	1.026000	9.630000
1.600000	0.788000	1.104000	10.10000
1.700000	0.801000	1.184000	10.54900
1.800000	0.814000	1.265000	10.98000
1.900000	0.827000	1.346000	11.39400
2.000000	0.840000	1.430000	11.79400
2.100000	0.853000	1.514000	12.18100
2.200000	0.867000	1.600000	12.55600
2.300000	0.880000	1.688000	12.92000
2.400000	0.894000	1.776000	13.27400
2.500000	0.908000	1.866000	13.61900
2.600000	0.922000	1.958000	13.95500
2.700000	0.936000	2.051000	14.28400
2.800000	0.950000	2.145000	14.60500
2.900000	0.964000	2.240000	14.91900
3.000000	0.978000	2.338000	15.22600
3.100000	0.993000	2.436000	15.89600
3.200000	1.008000	2.536000	16.86600
3.300000	1.022000	2.638000	18.02900
3.400000	1.037000	2.741000	19.34800
3.500000	1.052000	2.845000	20.80000
3.600000	1.067000	2.951000	22.37200
3.700000	1.083000	3.059000	24.05200
3.800000	1.098000	3.168000	25.83300
3.900000	1.114000	3.278000	27.70800
4.000000	1.129000	3.390000	29.67100
4.100000	1.145000	3.504000	31.71800
4.200000	1.161000	3.620000	33.84400
4.300000	1.177000	3.736000	36.04800
4.400000	1.193000	3.855000	37.99100
4.500000	1.209000	3.975000	39.45800
4.600000	1.226000	4.097000	40.85300
4.700000	1.242000	4.220000	42.18500
4.800000	1.259000	4.345000	43.46300
4.900000	1.276000	4.472000	44.69400
5.000000	1.293000	4.601000	45.88300
5.100000	1.310000	4.731000	47.71900
5.200000	1.327000	4.863000	50.08900
5.300000	1.344000	4.996000	52.79600
5.400000	1.362000	5.132000	55.77400
5.500000	1.379000	5.269000	58.98400
5.600000	1.397000	5.407000	62.40000
5.700000	1.414000	5.548000	66.00400
5.800000	1.432000	5.690000	69.78100
5.900000	1.450000	5.835000	73.72100
6.000000	1.469000	5.980000	77.81400
6.100000	1.487000	6.128000	82.05200
6.200000	1.505000	6.278000	86.42900
6.300000	1.524000	6.429000	90.93900
6.400000	1.542000	6.583000	95.57700
6.500000	1.561000	6.738000	100.3380
6.600000	1.580000	6.895000	105.2190
6.700000	1.599000	7.054000	110.2160
6.800000	1.618000	7.215000	115.3260
6.900000	1.638000	7.377000	120.5450
7.000000	1.657000	7.542000	125.8710
7.200000	1.696000	7.877000	136.8350
7.400000	1.736000	8.221000	148.1980
7.600000	1.776000	8.572000	159.9450
7.800000	1.817000	8.931000	172.0620
8.000000	1.858000	9.298000	184.5360
8.200000	1.900000	9.674000	197.3570
8.400000	1.942000	10.05800	210.5130
8.600000	1.984000	10.45000	225.1410

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8.800000  2.028000  10.85100  234.3000
9.000000  2.071000  11.26000  243.0610
9.200000  2.115000  11.67900  253.5810
9.400000  2.160000  12.10600  270.5260
9.600000  2.205000  12.54200  290.9620
9.800000  2.251000  12.98700  314.0080
10.00000  2.297000  13.44200  339.2300
10.20000  2.344000  13.90500  366.3600
10.40000  2.391000  14.37800  395.2130
10.60000  2.439000  14.86000  425.6470
10.80000  2.487000  15.35200  457.5550
11.00000  2.536000  15.85400  490.8470
11.20000  2.585000  16.36500  525.4510
11.40000  2.634000  16.88600  561.3040
11.60000  2.685000  17.41700  598.3530
11.80000  2.735000  17.95800  636.5520
12.00000  2.786000  18.51000  9999.000
END FTABLE 57
FTABLE     58
 91    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.022957  0.000000  0.000000
0.066667  0.023110  0.001536  0.525649
0.133333  0.023264  0.003081  1.661848
0.200000  0.023417  0.004637  3.253183
0.266667  0.023571  0.006204  5.233866
0.333333  0.023724  0.007780  7.562607
0.400000  0.023878  0.009367  10.20988
0.466667  0.024031  0.010964  13.15301
0.533333  0.024185  0.012571  16.37383
0.600000  0.024338  0.014188  19.85729
0.666667  0.024491  0.015816  23.59068
0.733333  0.024645  0.017454  27.56307
0.800000  0.024798  0.019102  31.76491
0.866667  0.024952  0.020760  36.18783
0.933333  0.025105  0.022429  40.82438
1.000000  0.025259  0.024108  45.66787
1.066667  0.025413  0.025797  50.71233
1.133333  0.025566  0.027496  55.95231
1.200000  0.025720  0.029206  61.38289
1.266667  0.025873  0.030925  66.99956
1.333333  0.026027  0.032655  72.79822
1.400000  0.026180  0.034396  78.77508
1.466667  0.026334  0.036146  84.92665
1.533333  0.026487  0.037907  91.24974
1.600000  0.026641  0.039678  97.74138
1.666667  0.026794  0.041459  104.3988
1.733333  0.026948  0.043250  111.2195
1.800000  0.027102  0.045052  118.2010
1.866667  0.027255  0.046864  125.3412
1.933333  0.027409  0.048686  132.6381
2.000000  0.027562  0.050518  140.0896
2.066667  0.027716  0.052361  147.6941
2.133333  0.027870  0.054214  155.4497
2.200000  0.028023  0.056077  163.3551
2.266667  0.028177  0.057950  171.4087
2.333333  0.028330  0.059834  179.6091
2.400000  0.028484  0.061728  187.9551
2.466667  0.028638  0.063632  196.4455
2.533333  0.028791  0.065546  205.0791
2.600000  0.028945  0.067471  213.8549
2.666667  0.029099  0.069405  222.7718
2.733333  0.029252  0.071350  231.8291
2.800000  0.029406  0.073306  241.0257
2.866667  0.029559  0.075271  250.3609
2.933333  0.029713  0.077247  259.8339
3.000000  0.029867  0.079233  269.4440
3.066667  0.030020  0.081229  279.1905
3.133333  0.030174  0.083236  289.0728
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3.200000  0.030328  0.085252  299.0903
3.266667  0.030482  0.087279  309.2424
3.333333  0.030635  0.089317  319.5286
3.400000  0.030789  0.091364  329.9485
3.466667  0.030943  0.093422  340.5015
3.533333  0.031096  0.095490  351.1873
3.600000  0.031250  0.097568  362.0054
3.666667  0.031404  0.099656  372.9556
3.733333  0.031558  0.101755  384.0373
3.800000  0.031711  0.103864  395.2504
3.866667  0.031865  0.105983  406.5946
3.933333  0.032019  0.108113  418.0695
4.000000  0.032172  0.110252  429.6749
4.066667  0.032326  0.112402  441.4106
4.133333  0.032480  0.114563  453.2764
4.200000  0.032634  0.116733  465.2720
4.266667  0.032788  0.118914  477.3973
4.333333  0.032941  0.121105  489.6522
4.400000  0.033095  0.123306  502.0365
4.466667  0.033249  0.125517  514.5500
4.533333  0.033403  0.127739  527.1926
4.600000  0.033556  0.129971  539.9643
4.666667  0.033710  0.132213  552.8650
4.733333  0.033864  0.134466  565.8945
4.800000  0.034018  0.136728  579.0529
4.866667  0.034172  0.139001  592.3400
4.933333  0.034326  0.141285  605.7558
5.000000  0.034479  0.143578  619.3003
5.066667  0.034633  0.145882  632.9735
5.133333  0.034787  0.148196  646.7753
5.200000  0.034941  0.150520  660.7058
5.266667  0.035095  0.152855  674.7649
5.333333  0.035249  0.155200  688.9527
5.400000  0.035402  0.157555  703.2692
5.466667  0.035556  0.159920  717.7144
5.533333  0.035710  0.162295  732.2884
5.600000  0.035864  0.164681  746.9912
5.666667  0.036018  0.167077  761.8229
5.733333  0.036172  0.169484  776.7834
5.800000  0.036326  0.171900  791.8730
5.866667  0.036480  0.174327  807.0916
5.933333  0.036633  0.176764  822.4394
6.000000  0.036787  0.179211  837.9164
END FTABLE 58
FTABLE     55
 83    4
   Depth      Area    Volume  Outflow1 Velocity  Travel Time***
    (ft)   (acres) (acre-ft)   (cfs)   (ft/sec)    (Minutes)***
0.000000  0.000000  0.000000  0.000000
0.010000  0.010000  0.010000  0.003000
0.200000  0.013000  0.013000  0.298000
0.400000  0.017000  0.017000  0.842000
0.600000  0.022000  0.022000  1.548000
0.800000  0.028000  0.028000  2.383000
1.000000  0.036000  0.036000  3.330000
1.200000  0.047000  0.047000  4.377000
1.400000  0.060000  0.060000  5.516000
1.600000  0.078000  0.078000  6.739000
1.800000  0.101000  0.101000  8.042000
2.000000  0.130000  0.130000  9.419000
2.200000  0.185000  0.157000  10.86600
2.400000  0.240000  0.190000  12.38100
2.600000  0.295000  0.230000  13.96100
2.800000  0.350000  0.278000  15.60200
3.000000  0.405000  0.336000  17.30300
3.200000  0.460000  0.407000  18.83400
3.400000  0.515000  0.492000  19.91100
3.600000  0.570000  0.595000  21.12200
3.800000  0.625000  0.719000  22.89200
4.000000  0.680000  0.870000  24.95900
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  4.200000  0.766000  0.980000  27.24600
  4.400000  0.851000  1.103000  29.71700
  4.600000  0.937000  1.242000  32.34800
  4.800000  1.023000  1.399000  35.12500
  5.000000  1.108000  1.575000  38.03600
  5.200000  1.194000  1.774000  41.07100
  5.400000  1.280000  1.997000  44.22500
  5.600000  1.366000  2.249000  47.42900
  5.800000  1.451000  2.533000  50.56000
  6.000000  1.537000  2.852000  56.24900
  6.200000  1.611000  3.194000  63.33500
  6.400000  1.686000  3.554000  71.47000
  6.600000  1.761000  3.930000  80.48600
  6.800000  1.838000  4.324000  90.27700
  7.000000  1.917000  4.735000  100.7700
  7.200000  1.996000  5.164000  111.9100
  7.400000  2.076000  5.610000  123.6540
  7.600000  2.158000  6.073000  135.9650
  7.800000  2.240000  6.554000  148.8160
  8.000000  2.324000  7.052000  162.1800
  8.200000  2.409000  7.567000  176.0360
  8.400000  2.495000  8.099000  190.3650
  8.600000  2.582000  8.649000  205.1500
  8.800000  2.670000  9.216000  220.3770
  9.000000  2.759000  9.801000  236.0300
  9.200000  2.849000  10.40300  252.0980
  9.400000  2.940000  11.02200  268.5700
  9.600000  3.033000  11.65800  285.4350
  9.800000  3.127000  12.31200  302.6830
  10.00000  3.221000  12.98300  320.3060
  10.20000  3.317000  13.67200  338.2940
  10.40000  3.414000  14.37700  356.6420
  10.60000  3.512000  15.10000  375.3400
  10.80000  3.611000  15.84100  394.3830
  11.00000  3.711000  16.59900  419.9530
  11.20000  3.813000  17.37400  441.9030
  11.40000  3.915000  18.16600  467.1990
  11.60000  4.019000  18.97600  494.9680
  11.80000  4.123000  19.80300  524.7890
  12.00000  4.229000  20.64700  556.4040
  12.20000  4.336000  21.50900  589.6330
  12.40000  4.444000  22.38800  624.3450
  12.60000  4.553000  23.28400  660.4370
  12.80000  4.663000  24.19700  697.8260
  13.00000  4.775000  25.12800  736.4450
  13.20000  4.887000  26.07700  776.2360
  13.40000  5.001000  27.04200  817.1490
  13.60000  5.115000  28.02500  859.1430
  13.80000  5.231000  29.02500  902.1790
  14.00000  5.348000  30.04300  946.2250
  14.20000  5.466000  31.07800  991.2480
  14.40000  5.585000  32.13000  1037.223
  14.60000  5.705000  33.20000  1084.125
  14.80000  5.826000  34.28600  1131.930
  15.00000  5.948000  35.39000  1180.618
  15.20000  6.072000  36.51200  1230.170
  15.40000  6.196000  37.65100  1280.566
  15.60000  6.322000  38.80700  1331.792
  15.80000  6.449000  39.98000  1383.830
  16.00000  6.577000  41.17100  1436.665
  16.20000  6.706000  42.37900  9999.000
  END FTABLE 55
END FTABLES

EXT SOURCES
<-Volume-> <Member> SsysSgap<--Mult-->Tran <-Target vols> <-Grp> <-Member->  ***
<Name>   # <Name> # tem strg<-factor->strg <Name>   #   #        <Name> # #  ***
WDM      2 PREC     ENGL    1.091          PERLND   1 999 EXTNL  PREC
WDM      2 PREC     ENGL    1.091          IMPLND   1 999 EXTNL  PREC
WDM      1 EVAP     ENGL    1              PERLND   1 999 EXTNL  PETINP
```

```
WDM      1 EVAP     ENGL    1                IMPLND   1 999 EXTNL  PETINP
WDM     22 IRRG     ENGL    0.7        SAME PERLND  59     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  58     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  60     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  42     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  25     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  41     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  57     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  43     EXTNL  SURLI
WDM     22 IRRG     ENGL    0.7        SAME PERLND  27     EXTNL  SURLI
WDM      2 PREC     ENGL    1.091            RCHRES   1     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   2     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   3     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   4     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   5     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   6     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   7     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES   8     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  11     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  12     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  13     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  14     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  15     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  16     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  17     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  18     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  19     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  20     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  21     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  22     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  23     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  24     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  30     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  31     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  39     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  41     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  55     EXTNL  PREC
WDM      2 PREC     ENGL    1.091            RCHRES  57     EXTNL  PREC
WDM      1 EVAP     ENGL    1                RCHRES   1     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   2     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   3     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   4     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   5     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   6     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   7     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES   8     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  11     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  12     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  13     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  14     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  15     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  16     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  17     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  18     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  19     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  20     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  21     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  22     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  23     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  24     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  25     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  26     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  27     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  28     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  29     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  30     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  31     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  39     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  41     EXTNL  POTEV
WDM      1 EVAP     ENGL    1                RCHRES  55     EXTNL  POTEV
```

```
WDM      1 EVAP     ENGL    1             RCHRES  57     EXTNL  POTEV

END EXT SOURCES

EXT TARGETS
<-Volume-> <-Grp> <-Member-><--Mult-->Tran <-Volume-> <Member> Tsys Tgap Amd ***
<Name>   #        <Name> # #<-factor->strg <Name>   #  <Name>    tem strg strg***
RCHRES   32 HYDR   RO     1 1         1      WDM   1002 FLOW     ENGL       REPL
RCHRES   32 HYDR   STAGE  1 1         1      WDM   1003 STAG     ENGL       REPL
COPY     26 OUTPUT MEAN   1 1      12.1      WDM    726 FLOW     ENGL       REPL
COPY    526 OUTPUT MEAN   1 1      12.1      WDM    826 FLOW     ENGL       REPL
RCHRES   47 HYDR   RO     1 1         1      WDM   1006 FLOW     ENGL       REPL
RCHRES   47 HYDR   STAGE  1 1         1      WDM   1007 STAG     ENGL       REPL
COPY     24 OUTPUT MEAN   1 1      12.1      WDM    724 FLOW     ENGL       REPL
COPY    524 OUTPUT MEAN   1 1      12.1      WDM    824 FLOW     ENGL       REPL
RCHRES   50 HYDR   RO     1 1         1      WDM   1010 FLOW     ENGL       REPL
RCHRES   50 HYDR   STAGE  1 1         1      WDM   1011 STAG     ENGL       REPL
COPY     23 OUTPUT MEAN   1 1      12.1      WDM    723 FLOW     ENGL       REPL
COPY    523 OUTPUT MEAN   1 1      12.1      WDM    823 FLOW     ENGL       REPL
RCHRES   33 HYDR   RO     1 1         1      WDM   1024 FLOW     ENGL       REPL
RCHRES   33 HYDR   STAGE  1 1         1      WDM   1025 STAG     ENGL       REPL
COPY     28 OUTPUT MEAN   1 1      12.1      WDM    728 FLOW     ENGL       REPL
COPY    528 OUTPUT MEAN   1 1      12.1      WDM    828 FLOW     ENGL       REPL
RCHRES   48 HYDR   RO     1 1         1      WDM   1028 FLOW     ENGL       REPL
RCHRES   48 HYDR   STAGE  1 1         1      WDM   1029 STAG     ENGL       REPL
COPY     25 OUTPUT MEAN   1 1      12.1      WDM    725 FLOW     ENGL       REPL
COPY    525 OUTPUT MEAN   1 1      12.1      WDM    825 FLOW     ENGL       REPL
RCHRES   60 HYDR   RO     1 1         1      WDM   1036 FLOW     ENGL       REPL
RCHRES   60 HYDR   STAGE  1 1         1      WDM   1037 STAG     ENGL       REPL
COPY     20 OUTPUT MEAN   1 1      12.1      WDM    720 FLOW     ENGL       REPL
COPY    520 OUTPUT MEAN   1 1      12.1      WDM    820 FLOW     ENGL       REPL
RCHRES   61 HYDR   RO     1 1         1      WDM   1042 FLOW     ENGL       REPL
RCHRES   61 HYDR   STAGE  1 1         1      WDM   1043 STAG     ENGL       REPL
COPY     17 OUTPUT MEAN   1 1      12.1      WDM    717 FLOW     ENGL       REPL
COPY    517 OUTPUT MEAN   1 1      12.1      WDM    817 FLOW     ENGL       REPL
RCHRES   63 HYDR   RO     1 1         1      WDM   1048 FLOW     ENGL       REPL
RCHRES   63 HYDR   STAGE  1 1         1      WDM   1049 STAG     ENGL       REPL
COPY      6 OUTPUT MEAN   1 1      12.1      WDM    706 FLOW     ENGL       REPL
COPY    506 OUTPUT MEAN   1 1      12.1      WDM    806 FLOW     ENGL       REPL
RCHRES   51 HYDR   RO     1 1         1      WDM   1050 FLOW     ENGL       REPL
RCHRES   51 HYDR   STAGE  1 1         1      WDM   1051 STAG     ENGL       REPL
COPY      7 OUTPUT MEAN   1 1      12.1      WDM    707 FLOW     ENGL       REPL
COPY    507 OUTPUT MEAN   1 1      12.1      WDM    807 FLOW     ENGL       REPL
RCHRES   13 HYDR   RO     1 1         1      WDM   1052 FLOW     ENGL       REPL
RCHRES   13 HYDR   STAGE  1 1         1      WDM   1053 STAG     ENGL       REPL
COPY      8 OUTPUT MEAN   1 1      12.1      WDM    708 FLOW     ENGL       REPL
COPY    508 OUTPUT MEAN   1 1      12.1      WDM    808 FLOW     ENGL       REPL
RCHRES   15 HYDR   RO     1 1         1      WDM   1054 FLOW     ENGL       REPL
RCHRES   15 HYDR   STAGE  1 1         1      WDM   1055 STAG     ENGL       REPL
COPY     13 OUTPUT MEAN   1 1      12.1      WDM    713 FLOW     ENGL       REPL
COPY    513 OUTPUT MEAN   1 1      12.1      WDM    813 FLOW     ENGL       REPL
RCHRES   65 HYDR   RO     1 1         1      WDM   1056 FLOW     ENGL       REPL
RCHRES   65 HYDR   STAGE  1 1         1      WDM   1057 STAG     ENGL       REPL
COPY      5 OUTPUT MEAN   1 1      12.1      WDM    705 FLOW     ENGL       REPL
COPY    505 OUTPUT MEAN   1 1      12.1      WDM    805 FLOW     ENGL       REPL
RCHRES   67 HYDR   RO     1 1         1      WDM   1058 FLOW     ENGL       REPL
RCHRES   67 HYDR   STAGE  1 1         1      WDM   1059 STAG     ENGL       REPL
COPY      3 OUTPUT MEAN   1 1      12.1      WDM    703 FLOW     ENGL       REPL
COPY    503 OUTPUT MEAN   1 1      12.1      WDM    803 FLOW     ENGL       REPL
RCHRES   39 HYDR   RO     1 1         1      WDM   1060 FLOW     ENGL       REPL
RCHRES   39 HYDR   STAGE  1 1         1      WDM   1061 STAG     ENGL       REPL
COPY     12 OUTPUT MEAN   1 1      12.1      WDM    712 FLOW     ENGL       REPL
COPY    512 OUTPUT MEAN   1 1      12.1      WDM    812 FLOW     ENGL       REPL
RCHRES   45 HYDR   RO     1 1         1      WDM   1062 FLOW     ENGL       REPL
RCHRES   45 HYDR   STAGE  1 1         1      WDM   1063 STAG     ENGL       REPL
COPY     11 OUTPUT MEAN   1 1      12.1      WDM    711 FLOW     ENGL       REPL
COPY    511 OUTPUT MEAN   1 1      12.1      WDM    811 FLOW     ENGL       REPL
RCHRES   21 HYDR   RO     1 1         1      WDM   1064 FLOW     ENGL       REPL
RCHRES   21 HYDR   STAGE  1 1         1      WDM   1065 STAG     ENGL       REPL
COPY     10 OUTPUT MEAN   1 1      12.1      WDM    710 FLOW     ENGL       REPL
```

```
COPY   510 OUTPUT MEAN   1 1     12.1      WDM    810 FLOW     ENGL      REPL
RCHRES  69 HYDR   RO     1 1        1      WDM   1072 FLOW     ENGL      REPL
RCHRES  69 HYDR   STAGE  1 1        1      WDM   1073 STAG     ENGL      REPL
COPY     2 OUTPUT MEAN   1 1     12.1      WDM    702 FLOW     ENGL      REPL
COPY   502 OUTPUT MEAN   1 1     12.1      WDM    802 FLOW     ENGL      REPL
RCHRES  71 HYDR   RO     1 1        1      WDM   1074 FLOW     ENGL      REPL
RCHRES  71 HYDR   STAGE  1 1        1      WDM   1075 STAG     ENGL      REPL
COPY     1 OUTPUT MEAN   1 1     12.1      WDM    701 FLOW     ENGL      REPL
COPY   501 OUTPUT MEAN   1 1     12.1      WDM    801 FLOW     ENGL      REPL
RCHRES  24 HYDR   RO     1 1        1      WDM   1080 FLOW     ENGL      REPL
RCHRES  24 HYDR   STAGE  1 1        1      WDM   1081 STAG     ENGL      REPL
COPY     9 OUTPUT MEAN   1 1     12.1      WDM    709 FLOW     ENGL      REPL
COPY   509 OUTPUT MEAN   1 1     12.1      WDM    809 FLOW     ENGL      REPL
RCHRES  41 HYDR   RO     1 1        1      WDM   1084 FLOW     ENGL      REPL
RCHRES  41 HYDR   STAGE  1 1        1      WDM   1085 STAG     ENGL      REPL
COPY    27 OUTPUT MEAN   1 1     12.1      WDM    727 FLOW     ENGL      REPL
COPY   527 OUTPUT MEAN   1 1     12.1      WDM    827 FLOW     ENGL      REPL
RCHRES  57 HYDR   RO     1 1        1      WDM   1088 FLOW     ENGL      REPL
RCHRES  57 HYDR   STAGE  1 1        1      WDM   1089 STAG     ENGL      REPL
COPY    21 OUTPUT MEAN   1 1     12.1      WDM    721 FLOW     ENGL      REPL
COPY   521 OUTPUT MEAN   1 1     12.1      WDM    821 FLOW     ENGL      REPL
RCHRES  55 HYDR   RO     1 1        1      WDM   1086 FLOW     ENGL      REPL
RCHRES  55 HYDR   STAGE  1 1        1      WDM   1087 STAG     ENGL      REPL
COPY    22 OUTPUT MEAN   1 1     12.1      WDM    722 FLOW     ENGL      REPL
COPY   522 OUTPUT MEAN   1 1     12.1      WDM    822 FLOW     ENGL      REPL
END EXT TARGETS

MASS-LINK
<Volume>   <-Grp> <-Member-><--Mult-->     <Target>       <-Grp> <-Member->***
<Name>             <Name> # #<-factor->     <Name>              <Name> # #***
  MASS-LINK        2
PERLND     PWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    2

  MASS-LINK        3
PERLND     PWATER IFWO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    3

  MASS-LINK        5
IMPLND     IWATER SURO       0.083333      RCHRES         INFLOW IVOL
  END MASS-LINK    5

  MASS-LINK        6
RCHRES     ROFLOW                          RCHRES         INFLOW
  END MASS-LINK    6

  MASS-LINK       12
PERLND     PWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   12

  MASS-LINK       13
PERLND     PWATER IFWO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   13

  MASS-LINK       15
IMPLND     IWATER SURO       0.083333      COPY           INPUT  MEAN
  END MASS-LINK   15

  MASS-LINK       16
RCHRES     ROFLOW                          COPY           INPUT  MEAN
  END MASS-LINK   16


END MASS-LINK

END RUN
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1973/ 2/27 18: 0

RCHRES:    10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 3.9431E+04 3.9976E+04 4.0562E+04
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1973/ 2/27 18: 0

RCHRES:    10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
6.8346E+01 3.2665E+04 -6.785E+04     2.0683     2.0683       3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1973/ 2/27 18: 0

RCHRES:    26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.2170E+05 1.2348E+05 1.2733E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1973/ 2/27 18: 0

RCHRES:    26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.3721E+02 5.3236E+04 -1.688E+05    3.1454  3.1454E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES:    10
```

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	3.9431E+04	3.9976E+04	4.1183E+04

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
6.8346E+01	3.2665E+04	-1.051E+05	3.1970	3.1969E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.7961E+05	1.8231E+05	2.0103E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2507E+02	8.0576E+04	-6.426E+05	7.8045	7.8045E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	8.5237E+04

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-1.815E+05	5.1721	5.1721E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	1.5484E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-9.942E+05	17.853	1.7853E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.2552E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0).

Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-1.290E+06	15.899	1.5898E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.3855E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-1.675E+06	22.534	2.2533E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	6.7254E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.0495E+02	1.7481E+05	-1.197E+06	6.7948	6.7947E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	4.7208E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1978/ 3/ 2 12: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-9.932E+05	10.489	1.0489E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1983/ 1/26 21: 0

RCHRES: 10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	3.9431E+04	3.9976E+04	4.0018E+04

ERROR/WARNING ID: 341   5

DATE/TIME: 1983/ 1/26 21: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
6.8346E+01	3.2665E+04	-3.523E+04	1.0768	1.0761E+00	2

ERROR/WARNING ID: 341   6

DATE/TIME: 1983/ 1/26 21: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

```
NROWS         V1         V2         VOL
91 1.2170E+05 1.2348E+05 1.2397E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1983/ 1/26 21: 0

RCHRES:    26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.3721E+02 5.3236E+04 -6.796E+04    1.2724  1.2724E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 3.9431E+04 3.9976E+04 5.1505E+04
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
6.8346E+01 3.2665E+04 -7.245E+05   21.235     21.235        4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 1.7961E+05 1.8231E+05 2.3293E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    17
```

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2507E+02	8.0576E+04	-1.600E+06	18.858	1.8858E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 20

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8275E+05	1.8549E+05	2.1429E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 20

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2904E+02	8.1985E+04	-9.461E+05	11.190	1.1190E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	1.0283E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-7.094E+05	19.501	1.9501E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 25

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.5815E+05	1.6023E+05	1.6480E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 25

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.4841E+02	9.3171E+04	-2.993E+05	3.1956	3.1956	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	1.8514E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-1.903E+06	32.951	3.2951E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the

simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.8252E+05 1.8513E+05 2.5650E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
1.8700E+02 7.8168E+04 -2.219E+06   26.689   26.689   4

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.8272E+05 1.8512E+05 2.6946E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
1.1430E+02 7.1762E+04 -2.602E+06   34.379   3.4379E+01   4

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 32

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.9961E+05 2.0232E+05 2.2536E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 32

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1835E+02	6.0995E+04	-5.794E+05	9.3304	9.3303E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	7.3383E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.0495E+02	1.7481E+05	-2.576E+06	14.491	1.4491E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	5.2481E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
1.0424E+02 9.3596E+04 -1.942E+06   20.294     20.294        3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:     3

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 2.9469E+05 2.9911E+05 3.5545E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:     3

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
3.6930E+02 1.3220E+05 -1.823E+06   13.295     13.294        3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 3.9431E+04 3.9976E+04 5.3996E+04
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
6.8346E+01 3.2665E+04 -8.739E+05   25.403     25.403        4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES:    10
```

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	3.9431E+04	3.9976E+04	5.3620E+04

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
6.8346E+01	3.2665E+04	-8.514E+05	24.778	2.4778E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	3.9431E+04	3.9976E+04	5.6586E+04

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
6.8346E+01	3.2665E+04	-1.029E+06	29.669	2.9669E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL

```
91 3.9431E+04 3.9976E+04 4.1872E+04
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
6.8346E+01 3.2665E+04 -1.465E+05    4.4429  4.4429E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 1.7961E+05 1.8231E+05 2.0956E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
2.2507E+02 8.0576E+04 -8.985E+05   10.824     10.824        3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES:    17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 1.7961E+05 1.8231E+05 2.0641E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES:    17

Calculation of relative depth, using Newton's method of successive
```

approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
2.2507E+02 8.0576E+04 -8.040E+05    9.7144  9.7143E+00      3
```

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

```
NROWS         V1         V2        VOL
91 1.7961E+05 1.8231E+05 2.1686E+05
```

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
2.2507E+02 8.0576E+04 -1.118E+06   13.370   1.3370E+01      3
```

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

```
NROWS         V1         V2        VOL
91 1.7961E+05 1.8231E+05 3.1467E+05
```

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
2.2507E+02 8.0576E+04 -4.052E+06   44.702   4.4702E+01      4
```

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.7961E+05	1.8231E+05	1.9446E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2507E+02	8.0576E+04	-4.454E+05	5.4448	5.4448E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.7961E+05	1.8231E+05	1.8587E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2507E+02	8.0576E+04	-1.876E+05	2.3133	2.3133E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 20

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.

Relevant data are:

NROWS	V1	V2	VOL
91	1.8275E+05	1.8549E+05	2.1382E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 20

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2904E+02	8.1985E+04	-9.321E+05	11.029	1.1029E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 20

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.8275E+05	1.8549E+05	2.1848E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 20

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2904E+02	8.1985E+04	-1.072E+06	12.627	1.2627E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 20

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.8275E+05	1.8549E+05	2.2253E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 20

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2904E+02	8.1985E+04	-1.193E+06	14.008	1.4008E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 20

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8275E+05	1.8549E+05	2.1131E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 20

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.2904E+02	8.1985E+04	-8.568E+05	10.162	10.162	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	1.0055E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-6.408E+05	17.693	17.693	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	1.0155E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-6.710E+05	18.489	18.489	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	1.0438E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-7.558E+05	20.715	2.0715E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the

simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 7.9185E+04 8.0343E+04 1.1057E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
8.9297E+01 3.4638E+04 -9.415E+05   25.504   2.5504E+01   4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 25

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.5815E+05 1.6023E+05 1.6176E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 25

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
1.4841E+02 9.3171E+04 -1.621E+05   1.7350 1.7350E+00   3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 25

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.5815E+05 1.6023E+05 1.6463E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 25

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.4841E+02	9.3171E+04	-2.914E+05	3.1125	3.1125E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 25

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.5815E+05	1.6023E+05	1.6723E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 25

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.4841E+02	9.3171E+04	-4.084E+05	4.3536	4.3536	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 25

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.5815E+05	1.6023E+05	1.7190E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 25

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
1.4841E+02 9.3171E+04 -6.188E+05    6.5725  6.5725E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.2170E+05 1.2348E+05 1.7788E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.3721E+02 5.3236E+04 -1.685E+06   29.424   2.9424E+01      4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES:    26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.2170E+05 1.2348E+05 1.7396E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES:    26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.3721E+02 5.3236E+04 -1.568E+06   27.498   2.7498E+01      4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  6: 0

RCHRES:    26
```

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	1.8439E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-1.880E+06	32.587	32.587	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	2.1327E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-2.747E+06	46.117	46.117	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL

91 1.2170E+05 1.2348E+05 1.3610E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-4.320E+05	7.9521	7.9520E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.3862E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-1.683E+06	20.525	2.0525E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.0042E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive

approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-5.371E+05	6.7612	6.7611E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.4539E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-1.886E+06	22.878	2.2878E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	3.4644E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-4.918E+06	55.532	5.5532E+01	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	1.8900E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-1.943E+05	2.4716	2.4716E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.0102E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-5.549E+05	6.9817	6.9817E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.

Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.4912E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-1.992E+06	26.630	26.630	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.1200E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-8.784E+05	12.011	1.2011E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.5608E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-2.201E+06	29.302	2.9302E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	3.6723E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-5.535E+06	69.452	69.452	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.0350E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-6.234E+05	8.5701	8.5701E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.1287E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-9.044E+05	12.360	12.360	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 32

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.9961E+05	2.0232E+05	2.0597E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 32

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1835E+02	6.0995E+04	-1.432E+05	2.3376	2.3376E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 32

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the

simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.9961E+05 2.0232E+05 2.1131E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 32

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
1.1835E+02 6.0995E+04 -2.634E+05   4.2823   4.2823   3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 32

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.9961E+05 2.0232E+05 3.1093E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 32

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
1.1835E+02 6.0995E+04 -2.505E+06   38.229   38.229   4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 6.1933E+05 6.2711E+05 6.3944E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT	
2.0495E+02	1.7481E+05	-4.526E+05	2.5811	2.5811E+00		3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	6.5603E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT	
2.0495E+02	1.7481E+05	-8.257E+05	4.6974	4.6974E+00		3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	1.1435E+06

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
2.0495E+02 1.7481E+05 -1.179E+07   62.837   6.2837E+01      4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  8: 0

RCHRES:    33

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 6.1933E+05 6.2711E+05 7.1323E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  8: 0

RCHRES:    33

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
2.0495E+02 1.7481E+05 -2.113E+06   11.919   1.1919E+01      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    34

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 3.7869E+05 3.8342E+05 4.7158E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    34

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
9.4695E+01 8.5019E+04 -1.672E+06   19.252   1.9252E+01      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES:    35
```

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	4.7001E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 21: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-9.559E+05	10.100	10.100	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	4.4170E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 23: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-4.464E+05	4.7442	4.7442E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL

91 4.1691E+05 4.2211E+05 4.8529E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 6: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-1.231E+06	12.965	1.2965E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	7.7555E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-6.456E+06	64.360	64.360	4

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	5.0361E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive

approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-1.561E+06	16.377	1.6377E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	4.2539E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-1.528E+05	1.6295	1.6295E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 36

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.5562E+05	1.5762E+05	2.0636E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 36

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
3.4063E+01	2.4014E+04	-6.089E+05	24.505	2.4504E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 37

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	5.5031E+05	5.5739E+05	7.6632E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 37

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.2032E+02	8.4906E+04	-2.592E+06	29.312	29.312	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 38

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	2.1297E+05	2.1597E+05	2.1714E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 38

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
4.0686E+01	1.7979E+04	-2.503E+04	1.3880	1.3880	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 39

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.

Relevant data are:

NROWS	V1	V2	VOL
91	9.1364E+05	9.2628E+05	1.0694E+06

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 39

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.5839E+02	7.5688E+04	-9.345E+05	12.043	1.2043E+01	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 40

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	3.3663E+05	3.4128E+05	3.8263E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 40

Calculation of relative depth, using Newton's method of successive approximations, converged to an invalid value (not in range 0.0 to 1.0). Probably ftable was extrapolated. If extrapolation was small, no problem. Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
5.8369E+01	2.7889E+04	-2.760E+05	9.7010	9.7009E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 10

The volume of water in this reach/mixed reservoir is greater than the value in the "volume" column of the last row of RCHTAB(). To continue the simulation the table has been extrapolated, based on information contained in the last two rows. This will usually result in some loss of accuracy. If depth is being calculated it will also cause an error condition. Relevant data are:

NROWS	V1	V2	VOL
91	3.9431E+04	3.9976E+04	4.8039E+04

ERROR/WARNING ID: 341 5

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
6.8346E+01	3.2665E+04	-5.165E+05	15.321	1.5321E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	7.9185E+04	8.0343E+04	8.4628E+04

ERROR/WARNING ID: 341   5

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-1.633E+05	4.6580	4.6580E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	1.4673E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-7.507E+05	13.624	13.623	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	1.9487E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.8700E+02	7.8168E+04	-3.705E+05	4.6874	4.6874E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.0346E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1996/ 4/ 1 17: 0

RCHRES: 31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-6.223E+05	8.5549	8.5549E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 10

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the

simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 3.9431E+04 3.9976E+04 4.0585E+04

ERROR/WARNING ID: 341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 10

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
6.8346E+01 3.2665E+04 -6.926E+04   2.1110 2.1110E+00   3

ERROR/WARNING ID: 341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 17

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 1.7961E+05 1.8231E+05 1.9042E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 17

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A   B   C   RDEP1   RDEP2 COUNT
2.2507E+02 8.0576E+04 -3.241E+05   3.9783 3.9783E+00   3

ERROR/WARNING ID: 341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 24

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS   V1   V2   VOL
91 7.9185E+04 8.0343E+04 8.1056E+04

ERROR/WARNING ID: 341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 24

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
8.9297E+01	3.4638E+04	-5.612E+04	1.6134	1.6134E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 26

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.2170E+05	1.2348E+05	1.4672E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 26

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.3721E+02	5.3236E+04	-7.504E+05	13.618	1.3618E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 29

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8252E+05	1.8513E+05	2.0970E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES: 29

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

```
A          B          C      RDEP1      RDEP2  COUNT
1.8700E+02 7.8168E+04 -8.154E+05   10.183     10.183        3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES:    31

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.8272E+05 1.8512E+05 2.2222E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES:    31

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.1430E+02 7.1762E+04 -1.185E+06   16.099   1.6099E+01      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1997/ 1/22 19: 0

RCHRES:    35

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 4.1691E+05 4.2211E+05 4.3989E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1997/ 1/22 19: 0

RCHRES:    35

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.0424E+02 9.3596E+04 -4.136E+05    4.3979  4.3979E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.8272E+05 1.8512E+05 1.9769E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.1430E+02 7.1762E+04 -4.491E+05     6.1976  6.1976E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1986/ 2/18 24: 0

RCHRES:    60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2        VOL
91 1.8272E+05 1.8512E+05 2.0060E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1986/ 2/18 24: 0

RCHRES:    60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.1430E+02 7.1762E+04 -5.365E+05     7.3890  7.3890E+00      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1986/ 2/18 23: 0

RCHRES:    64
```

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	4.1691E+05	4.2211E+05	4.4601E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1986/ 2/18 23: 0

RCHRES: 64

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.0424E+02	9.3596E+04	-5.239E+05	5.5631	5.5631	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/ 9 22: 0

RCHRES: 60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	1.9491E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/ 9 22: 0

RCHRES: 60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-3.658E+05	5.0560	5.0560E+00	3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	3.4524E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-4.875E+06	61.847	6.1847E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	2.8196E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-2.977E+06	39.057	3.9057E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 60

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.8272E+05	1.8512E+05	1.8921E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 9: 0

RCHRES: 60

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).

Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.1430E+02	7.1762E+04	-1.946E+05	2.7005	2.7005E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 61

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	2.6253E+05	2.6622E+05	2.9014E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 61

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.4793E+02	6.6262E+04	-4.970E+05	7.3791	7.3791	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 62

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	1.0218E+06

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 62

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.0495E+02	1.7481E+05	-9.055E+06	48.987	4.8987E+01	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 62

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	6.1933E+05	6.2711E+05	8.7050E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 62

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
2.0495E+02	1.7481E+05	-5.651E+06	31.187	31.187	4

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 63

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	3.7869E+05	3.8342E+05	4.5812E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 63

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
9.4695E+01	8.5019E+04	-1.430E+06	16.512	1.6512E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 64

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

```
NROWS         V1         V2         VOL
91 4.1691E+05 4.2211E+05 7.3648E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    64

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.0424E+02 9.3596E+04 -5.752E+06   57.745   5.7745E+01      4
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  8: 0

RCHRES:    64

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 4.1691E+05 4.2211E+05 5.6983E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  8: 0

RCHRES:    64

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated.  If extrapolation was small, no problem.
Remedy; extend ftable.  Relevant data are:

A          B          C      RDEP1      RDEP2  COUNT
1.0424E+02 9.3596E+04 -2.753E+06   28.506   2.8506E+01      3
```

```
ERROR/WARNING ID:   341   6

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    65

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB().  To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows.  This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS         V1         V2         VOL
91 1.5562E+05 1.5762E+05 1.9752E+05
```

```
ERROR/WARNING ID:   341   5

DATE/TIME: 1995/ 1/10  7: 0

RCHRES:    65
```

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
3.4063E+01	2.4014E+04	-5.029E+05	20.353	20.353	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 65

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	1.5562E+05	1.5762E+05	1.6092E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 65

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
3.4063E+01	2.4014E+04	-6.363E+04	2.6400	2.6400E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 66

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	5.5031E+05	5.5739E+05	7.2581E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 66

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.2032E+02	8.4906E+04	-2.106E+06	23.990	2.3989E+01	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 66

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	5.5031E+05	5.5739E+05	5.8867E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 8: 0

RCHRES: 66

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
1.2032E+02	8.4906E+04	-4.604E+05	5.3813	5.3813E+00	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 67

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS	V1	V2	VOL
91	2.1296E+05	2.1596E+05	2.2449E+05

ERROR/WARNING ID: 341   5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 67

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A	B	C	RDEP1	RDEP2	COUNT
4.0686E+01	1.7978E+04	-6.917E+04	3.8145	3.8145	3

ERROR/WARNING ID: 341   6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 68

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the

simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS V1 V2 VOL
91 9.1364E+05 9.2628E+05 9.9383E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 68

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A B C RDEP1 RDEP2 COUNT
1.5839E+02 7.5688E+04 -4.811E+05 6.2746 6.2746E+00 3

ERROR/WARNING ID: 341 6

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 69

The volume of water in this reach/mixed reservoir is greater than the value
in the "volume" column of the last row of RCHTAB(). To continue the
simulation the table has been extrapolated, based on information contained
in the last two rows. This will usually result in some loss of accuracy.
If depth is being calculated it will also cause an error condition.
Relevant data are:

NROWS V1 V2 VOL
91 3.3663E+05 3.4128E+05 3.5700E+05

ERROR/WARNING ID: 341 5

DATE/TIME: 1995/ 1/10 7: 0

RCHRES: 69

Calculation of relative depth, using Newton's method of successive
approximations, converged to an invalid value (not in range 0.0 to 1.0).
Probably ftable was extrapolated. If extrapolation was small, no problem.
Remedy; extend ftable. Relevant data are:

A B C RDEP1 RDEP2 COUNT
5.8369E+01 2.7889E+04 -1.223E+05 4.3444 4.3443E+00 3

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Clear Creek Solutions, Inc.
6200 Capitol Blvd. Ste F
Olympia, WA. 98501
Toll Free 1(866)943-0304
Local (360)943-0304

www.clearcreeksolutions.com

Appendix F: Hydromod, Water Quality, & Detention Basin Design Parameters

Folsom Plan Area
Water Quality/Hydro-modification Basin Pre and Post Development Shed Area Comparison Table

7919.YR4
Date: July 31, 2013
Revised: Nov. 4, 2013

Off-Stream Hydro-modification Basin

Basin No.	Detention Basin Developed Sub-Shed Area (Acres)	Cummulative Post-Development Shed Area (Acres)	Cummulative Pre-Development Shed Area (Acres)	Increase in Pre-Development Shed Area due to Development (Acres)	Percent Increase in Pre-Development Shed Area
1	59.3	5,443.7	5,441.3	2.4	0%
2	17.4	5,298.9	5,316.4	-17.5	0%
3	30.3	4,855.9	4,842.8	13.1	0%
4	12.9	4,855.9	4,842.8	13.1	0%
5	32.4	3,401.0	3,405.1	-4.1	0%
6	120.6	3,314.4	3,334.0	-19.6	-1%
7	11.8	412.0	541.8	-129.8	-24%
8	468.1	472.2	439.5	32.7	7%
9	17.0	17.0	15.7	1.3	9%
10	100.4	100.4	107.3	-6.9	-6%
11	14.5	130.8	138.0	-7.2	-5%
12	82.3	82.3	111.3	-29.0	-26%
13	24.4	25.6	42.2	-16.6	-39%
14	63.6	92.9	86.0	6.9	8%
15	66.8	84.4	95.5	-11.1	-12%
16	114.7	2,047.4	1,923.2	124.3	6%
17	91.1	535.1	540.1	-5.1	-1%
18	83.4	1,385.9	1,366.8	19.1	1%
19	158.1	468.7	448.7	20.0	4%
20	178.2	806.5	776.3	30.2	4%
21	8.4	540.0	564.6	-24.7	-4%
22	105.2	526.2	520.4	5.8	1%
23	39.3	294.3	326.9	-32.6	-10%
24	130.2	161.3	146.1	15.3	10%
25	116.9	141.8	161.4	-19.6	-12%
26	72.4	90.8	83.5	7.3	9%
24	174.8	241.4	203.7	37.7	19%
Total	**2,394.1**				

Folsom Plan Area
Water Quality/Hydro-modification Basin Pre and Post Development Shed Area Comparison Table

7919.YR4
Date: July 31, 2013
Revised: Nov. 4, 2013

Off-Stream Hydro-modification/Detention Basin (Combo Basins)

Basin No.	Detention Basin Developed Sub-Shed Area (Acres)	Cummulative Post-Development Shed Area (Acres)	Cummulative Pre-Development Shed Area (Acres)	Increase in Pre-Development Shed Area due to Development (Acres)	Percent Increase in Pre-Development Shed Area
1	37.9	37.9	34.2	3.7	11%
2	151.8	151.8	147.3	4.5	3%
3	81.1	187.2	156.0	31.2	20%
4	24.9	28.1	32.8	-4.7	-14%
5	84.4	84.4	95.5	-11.1	-12%
Total	**380.1**				

In-Stream Detention Basin (10-Year Storm and Above)

Basin No.	Detention Basin Developed Sub-Shed Area (Acres)	Cummulative Post-Development Shed Area (Acres)	Cummulative Pre-Development Shed Area (Acres)	Increase in Pre-Development Shed Area due to Development (Acres)	Percent Increase in Pre-Development Shed Area
1	92.9	92.9	86.0	6.9	8%
2	104.9	104.9	111.3	-6.3	-6%
3	30.9	30.9	42.2	-11.4	-27%
4	51.4	51.4	34.0	17.4	51%
5	1301.0	1,301.0	1,330.1	-29.1	-2%
6	468.7	468.7	448.7	20.0	4%
7	576.2	576.2	685.2	-109.0	-16%
8	161.3	161.3	146.1	15.3	10%
9	141.8	141.8	161.4	-19.6	-12%
10	90.8	90.8	83.5	7.3	9%
11	215.4	241.4	203.7	37.7	19%
Total	**3,235.3**				

Developed Shed Cummulative Areas are at the point of concentration in the tributary or creek.

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

Off-Stream Hydro-modification Basins				
Basin No.	Water Surface Elevation	Water Surface Area (Acres)	Additional Basin Volume (Acre-Feet)	Basin Volume (Acre-Feet)
1	250.0	0.15		
	252.0	0.24	0.39	0.39
	254.0	0.33	0.57	0.96
	256.0	0.41	0.74	1.70
	258.0	0.50	0.91	**2.61**
			2.61	
2	270.0	0.10		
	272.0	0.18	0.28	0.28
	274.0	0.25	0.43	0.71
	276.0	0.33	0.58	1.29
	278.0	0.40	0.73	**2.02**
			2.02	
3	257.0	0.10		
	259.0	0.18	0.28	0.28
	261.0	0.25	0.43	0.71
	263.0	0.33	0.58	1.29
	265.0	0.40	0.73	**2.02**
			2.02	
4	272.0	0.10		
	274.0	0.20	0.29	0.29
	276.0	0.30	0.50	0.79
	278.0	0.39	0.69	1.48
	280.0	0.49	0.88	**2.36**
			2.36	
5	298.0	0.10		
	300.0	0.18	0.28	0.28
	302.0	0.25	0.43	0.71
	304.0	0.33	0.58	1.29
	306.0	0.40	0.73	**2.02**
			2.02	
6	272.0	0.42		
	274.0	0.60	1.01	1.01
	276.0	0.79	1.39	2.40
	278.0	0.97	1.76	4.16
	280.0	1.05	2.12	**6.28**
			6.28	
7	320.0	0.10		
	322.0	0.18	0.28	0.28
	324.0	0.25	0.43	0.71
	326.0	0.33	0.58	1.29
	328.0	0.40	0.73	**2.02**
			2.02	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

8	324.0	1.50		
	326.0	1.68	3.18	3.18
	328.0	1.87	3.55	6.73
	330.0	2.05	3.92	10.65
	332.0	2.23	4.28	14.93
	334.0	2.42	4.65	19.58
	336.0	2.60	5.02	24.60
	338.0	2.78	5.38	29.98
	340.0	2.96	5.74	35.72
	342.0	3.15	6.11	41.83
	344.0	3.33	6.48	**48.31**
			48.31	
9	310.0	0.10		
	312.0	0.18	0.28	0.28
	314.0	0.25	0.43	0.71
	316.0	0.33	0.58	1.29
	318.0	0.40	0.73	**2.02**
			2.02	
10	316.0	0.54		
	318.0	0.68	1.22	1.22
	320.0	0.82	1.5	2.72
	322.0	0.97	1.79	4.51
	324.0	1.11	2.08	**6.59**
			6.59	
11	282.0	0.10		
	284.0	0.18	0.28	0.28
	286.0	0.25	0.43	0.71
	288.0	0.33	0.58	1.29
	290.0	0.40	0.73	**2.02**
			2.02	
12	322.0	0.34		
	324.0	0.44	0.77	0.77
	326.0	0.54	0.98	1.75
	328.0	0.64	1.18	2.93
	330.0	0.74	1.38	**4.31**
			4.31	
13	350.0	0.10		
	352.0	0.18	0.28	0.28
	354.0	0.25	0.43	0.71
	356.0	0.33	0.58	1.29
	358.0	0.40	0.73	**2.02**
			2.02	
14	310.0	0.45		
	312.0	0.61	1.06	1.06
	314.0	0.78	1.39	2.45
	316.0	0.94	1.72	4.17
	318.0	1.10	2.04	**6.21**
			6.21	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

15	332.0	0.50		
	334.0	0.70	1.20	1.20
	336.0	0.90	1.60	2.80
	338.0	1.10	2.00	4.80
	340.0	1.30	2.40	7.20
	342.0	1.50	2.80	**10.00**
			10.00	
16	330.0	1.56		
	332.0	1.78	3.34	3.34
	334.0	2.00	3.78	7.12
	336.0	2.23	4.22	11.34
	338.0	2.45	4.68	16.02
	340.0	2.67	5.12	**21.14**
			21.14	
17	344.0	0.68		
	346.0	0.89	1.57	1.57
	348.0	1.09	1.98	3.55
	350.0	1.30	2.39	5.94
	352.0	1.50	2.80	**8.74**
			8.74	
18	336.0	0.60		
	338.0	0.80	1.39	1.39
	340.0	0.99	1.79	3.18
	342.0	1.19	2.18	5.36
	344.0	1.39	2.58	7.94
	346.0	1.58	2.97	10.91
	348.0	1.78	3.46	**14.37**
			14.37	
19	380.0	0.34		
	382.0	0.48	0.82	0.82
	384.0	0.63	1.11	1.93
	386.0	0.77	1.40	3.33
	388.0	0.92	1.69	5.02
	390.0	1.06	1.98	**7.00**
			7.00	
20	364.0	0.18		
	366.0	0.32	0.49	0.49
	368.0	0.46	0.78	1.27
	370.0	0.59	1.05	2.32
	372.0	0.73	1.32	3.64
	374.0	0.87	1.60	**5.24**
			5.24	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

21	377.0	0.10		
	379.0	0.18	0.28	0.28
	381.0	0.25	0.43	0.71
	383.0	0.33	0.58	1.29
	385.0	0.40	0.73	**2.02**
			2.02	
22	388.0	0.40		
	390.0	0.61	1.00	1.00
	392.0	0.82	1.42	2.42
	394.0	1.02	1.84	4.26
	396.0	1.23	2.25	6.51
	398.0	1.44	2.67	**9.18**
			9.18	
23	433.0	0.59		
	435.0	0.81	1.39	1.39
	437.0	1.03	1.84	3.23
	439.0	1.24	2.27	5.50
	441.0	1.46	2.70	8.20
	443.0	1.68	3.14	**11.34**
			11.34	
24	436.0	0.55		
	438.0	0.67	1.22	1.22
	440.0	0.79	1.46	2.68
	442.0	0.91	1.70	4.38
	444.0	1.03	1.92	6.30
	446.0	1.15	2.18	**8.48**
			8.48	
25	490.0	0.35		
	492.0	0.44	0.79	0.79
	494.0	0.53	0.97	1.76
	496.0	0.61	1.14	2.90
	498.0	0.70	1.31	**4.21**
			4.21	
26	480.0	0.32		
	482.0	0.41	0.73	0.73
	484.0	0.50	0.91	1.64
	486.0	0.59	1.09	2.73
	488.0	0.68	1.27	4.00
	490.0	0.78	1.46	5.46
	492.0	0.87	1.65	7.11
	494.0	0.96	1.83	8.94
	496.0	1.05	2.01	10.95
	498.0	1.14	2.19	**13.14**
			13.14	
27	537.0	0.33		
	539.0	0.44	0.77	0.77
	541.0	0.56	1.00	1.77
	543.0	0.67	1.23	3.00
	545.0	0.78	1.45	**4.45**
			4.45	
Off-Stream Hydro-modification Basin Total			**210.12**	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

Off-Stream Combination Basins

Basin No.	Water Surface Elevation	Water Surface Area (Acres)	Additional Basin Volume (Acre-Feet)	Basin Volume (Acre-Feet)
1	306.0	0.55		
	308.0	0.70	1.25	1.25
	310.0	0.82	1.52	2.77
	312.0	0.99	1.81	4.58
	314.0	1.12	2.11	**6.69**
			6.69	
2	302.0	1.11		
	304.0	1.28	2.39	2.39
	306.0	1.47	2.75	5.14
	308.0	1.65	3.12	8.26
	310.0	1.87	3.52	11.78
	312.0	2.09	3.96	**15.74**
			15.74	
3	600.0	1.64		
	602.0	1.90	3.54	3.54
	604.0	2.15	4.05	7.59
	606.0	2.41	4.56	12.15
	608.0	2.66	5.07	**17.22**
			17.22	
4	608.0	0.01		
	610.0	0.04	0.05	0.05
	612.0	0.14	0.17	0.22
	614.0	0.30	0.43	0.65
	616.0	0.48	0.77	1.42
	618.0	0.69	1.16	**2.58**
			2.58	
5	347.0	1.00		
	349.0	1.23	2.23	2.23
	351.0	1.47	2.70	4.93
	353.0	1.70	3.17	8.10
	355.0	1.93	3.63	11.73
			11.73	
Off-Stream Combination Basin Total			**53.96**	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

In-Stream Detention Basins

Basin No.	Water Surface Elevation	Water Surface Area (Acres)	Additional Basin Volume (Acre-Feet)	Basin Volume (Acre-Feet)
1	310.0	0.69		
	312.0	1.25	1.91	1.91
	314.0	1.90	3.13	5.04
	316.0	2.57	4.45	**9.49**
			9.49	
2	312.0	1.94		
	314.0	2.67	4.59	4.59
	316.0	3.30	5.96	10.55
	318.0	3.95	7.24	**17.79**
			17.79	
3	336.0	1.87		
	338.0	2.43	4.29	4.29
	340.0	2.95	5.37	9.66
	342.0	3.32	6.27	**15.93**
			15.93	
4	333.0	0.28		
	335.0	1.18	1.36	1.36
	337.0	1.71	2.87	4.23
	339.0	2.30	4.00	8.23
	341.0	2.43	4.73	**12.96**
			12.96	
5	334.0	0.12		
	336.0	0.41	0.50	0.50
	338.0	1.02	1.38	1.88
	340.0	1.90	2.87	4.75
	342.0	2.79	4.66	9.41
	344.0	3.90	6.66	16.07
	346.0	5.25	9.12	25.19
	348.0	6.68	11.9	37.09
	350.0	8.20	14.85	51.94
	352.0	9.53	17.71	69.65
	354.0	10.91	20.42	**90.07**
			90.07	
6	376.0	0.60		
	378.0	0.84	1.43	1.43
	380.0	1.13	1.96	3.39
	382.0	1.47	2.59	5.98
	384.0	1.86	3.32	9.30
	386.0	2.29	4.14	13.44
	388.0	2.79	5.07	18.51
	389.0	3.06	5.85	**24.36**
			24.36	

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin
Depth - Volume Table

7	360.0	0.02		
	362.0	0.13	0.13	0.13
	364.0	0.68	0.74	0.87
	366.0	1.60	2.22	3.09
	368.0	2.40	3.97	7.06
	370.0	3.15	5.53	12.59
	372.0	4.46	7.57	20.16
	374.0	5.27	9.72	29.88
	376.0	6.52	11.77	**41.65**
			41.65	
8	432.0	0.14		
	434.0	0.21	0.35	0.35
	436.0	0.38	0.58	0.93
	438.0	0.65	1.02	1.95
	440.0	0.87	1.51	3.46
	442.0	1.17	2.03	5.49
	444.0	1.52	2.68	8.17
	446.0	1.84	3.35	**11.52**
			11.52	
9	480.0	0.31		
	482.0	0.37	0.68	0.68
	484.0	0.50	0.87	1.55
	486.0	0.61	1.11	2.66
	488.0	0.77	1.38	4.04
	490.0	0.98	1.75	5.79
	492.0	1.18	2.16	7.95
	494.0	1.35	2.53	10.48
	496.0	1.57	2.92	13.40
	498.0	1.79	3.36	**16.76**
			16.76	
10	490.0	0.10		
	492.0	0.16	0.26	0.26
	494.0	0.22	0.38	0.64
	496.0	0.28	0.50	1.14
	498.0	0.34	0.62	**1.76**
			1.76	
11	530.0	0.25		
	532.0	0.36	0.61	0.61
	534.0	0.63	0.98	1.59
	536.0	0.96	1.58	3.17
	538.0	1.72	2.64	5.81
	540.0	2.33	4.03	9.84
	542.0	2.53	4.86	14.70
	544.0	2.73	5.26	**19.96**
			19.96	
In-Stream Detention Basin Total			**262.25**	
Total Off-Stream Hydromodification Basin Volume				**210.12**
Total Off-StreamCombination Basin Volume				**53.96**
Total In-Stream Detention Basin Volume				**262.25**
Total Folsom Plan Area Stormwater Storage Volume				**526.33**

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin Design Parameters

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Off-Stream Hydro-modification Basin

Basin No.	Shed Area (Acres)	Basin Vol. (AF)	Max. Water Surface El.	Bottom Elev.	W. Surface Area (ac.)	Bottom Area (ac.)	Side Slope Ratio	Outlet Pipe US FL	Outlet Pipe DS FL	Pipe Length (lf)	Pipe Slope
1	59.3	2.61	258.0	250.0	0.50	0.15	3:1	247.6	247.0	120	0.005
2	17.4	2.02	278.0	270.0	0.40	0.10	4:1	270.0	269.0	150	0.007
3	30.3	2.02	265.0	257.0	0.40	0.10	4:1	257.0	256.0	170	0.006
4	12.9	2.36	280.0	272.0	0.49	0.10	4:1	272.0	271.0	120	0.008
5	32.4	2.02	306.0	298.0	0.40	0.10	4:1	298.0	296.0	430	0.005
6	120.6	6.28	280.0	272.0	1.05	0.42	4:1	290.0	277.0	200	0.005
7	11.8	2.02	328.0	320.0	0.40	0.10	4:1	320.0	319.0	120	0.008
8	468.1	48.31	344.0	324.0	3.33	1.50	3:1	324.0	323.0	210	0.005
9	17.0	2.02	318.0	310.0	0.40	0.10	4:1	310.0	309.0	130	0.008
10	100.4	6.59	324.0	316.0	1.11	0.54	4:1	316.0	315.0	130	0.008
11	14.5	2.02	290.0	282.0	0.40	0.10	4:1	282.0	281.0	130	0.008
12	82.3	4.31	330.0	322.0	0.74	0.34	4:1	322.0	321.0	160	0.006
13	24.4	2.02	358.0	350.0	0.40	0.10	4:1	350.0	349.0	150	0.007
14	63.6	6.21	318.0	310.0	1.10	0.45	4:1	310.0	307.0	1100	0.003
15	47.4	10.00	342.0	332.0	1.50	0.50	4:1	332.0	327.0	800	0.006
16	114.7	21.14	340.0	330.0	2.67	1.56	5:1	330.0	329.0	150	0.007
17	91.1	8.74	352.0	344.0	1.50	0.68	5:1	344.0	339.0	300	0.005
18	83.4	14.37	348.0	338.0	1.78	0.60	4:1	336.0	335.0	150	0.007
19	158.1	7.00	390.0	380.0	1.06	0.34	4:1	380.0	379.0	120	0.008
20	178.2	5.24	376.0	364.0	0.85	0.13	4:1	364.0	363.0	680	0.004
21	8.4	2.02	385.0	377.0	0.40	0.10	4:1	377.0	376.0	120	0.008
22	105.2	9.18	398.0	388.0	1.44	0.40	5:1	388.0	385.0	480	0.006
23	39.3	11.34	443.0	433.0	1.68	0.59	5:1	433.0	432.0	160	0.006
24	130.2	8.48	446.0	436.0	1.15	0.55	3:1	436.0	435.0	120	0.008
25	116.9	4.21	498.0	490.0	0.70	0.35	3:1	490.0	467.0	440	0.005
26	72.4	13.14	498.0	480.0	1.14	0.32	3:1	480.0	477.0	600	0.005
27	174.8	4.45	545.0	537.0	0.78	0.33	4:1	537.0	536.0	200	0.005
Total	**2,374.7**	**210.12**									

Folsom Plan Area
Water Quality/Hydro-modification and Detention Basin Design Parameters

7919.YR4
July 31, 2013
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Off-Stream Combination Basins (Hydro-modification & Detention Basin)

Basin No.	Shed Area (Acres)	Basin Vol. (AF)	Max. Water Surface El.	Bottom Elev.	W. Surface Area (ac.)	Bottom Area (ac.)	Side Slope Ratio	Outlet Pipe US FL	Outlet Pipe DS FL	Pipe Length (lf)	Pipe Slope
1	37.9	6.69	314.0	306.0	1.12	0.55	4:1	306.0	305.0	300	0.003
2	151.8	15.74	312.0	302.0	2.09	1.11	3:1	302.0	301.0	130	0.008
3	81.1	17.22	608.0	600.0	2.66	1.64	4:1	600.0	599.0	150	0.007
4	24.9	2.58	618.0	608.0	0.69	0.01	Varies	599.0	596.0	150	0.005
5	84.4	11.73	355.0	347.0	1.73	1.00	5:1	347.0	346.0	320	0.003
Total	**380.1**	**53.96**									

FPA Hydro-Combo Basin Volume Total: 264.08 Acre-Feet

In-Stream Detention Basin

Basin No.	Shed Area (Acres)	Basin Vol. (AF)	Max. Water Surface El.	Bottom Elev.	W. Surface Area (ac.)	Bottom Area (ac.)	Side Slope Ratio	Outlet Pipe US FL	Outlet Pipe DS FL	Pipe Length (lf)	Pipe Slope
1	92.9	9.49	316.0	310.0	2.57	0.69	Varies	308.0	307.0	300	0.003
2	104.9	17.79	318.0	312.0	3.95	1.94	Varies	304.0	306.0	280	0.007
3	30.9	15.93	342.0	336.0	3.32	1.87	Varies	331.0	330.0	150	0.007
4	51.4	12.96	341.0	333.0	2.43	0.28	3:1	333.0	327.0	700	0.006
5	1301.0	90.07	354.0	334.0	10.91	0.12	Varies	333.0	332.0	300	0.003
6	468.7	18.51	388.0	376.0	2.79	0.6	Varies	372.0	370.0	200	0.010
7	576.2	41.65	376.0	360.0	6.52	0.02	Varies	358.0	357.0	250	0.004
8	161.3	11.52	446.0	432.0	1.84	0.14	Varies	430.0	428.0	400	0.005
9	141.8	16.76	498.0	480.0	1.79	0.31	Varies	478.0	467.0	300	0.005
10	90.8	1.76	498.0	490.0	0.34	0.1	Varies	489.0	487.0	280	0.007
11	215.4	19.96	545.0	530.0	2.73	0.25	Varies	528.0	518.0	400	0.025
Total	**3,235.3**	**256.40**									

FPA Hydro-Combo-Detention Basin Volume Total: 520.48 Acre-Feet

Appendix G: Suggested Detention Basin Inspection Checklist

Appendix G
Suggested Detention Basin Inspection Checklist

Defect	Conditions When Maintenance Is Needed	Maintenance Needed? (Y/N)	Comments (Describe maintenance completed and if any needed maintenance was not conducted, note when it will be done.)	Results Expected When Maintenance Is Performed
GENERAL				
Trash & Debris	• Trash and debris accumulated in basin. • Visual evidence of dumping.			Trash and debris cleared from site and disposed of properly.
Poisonous Vegetation and noxious weeds	Poisonous or nuisance vegetation or noxious weeds, e.g., morning glory, English ivy, reed canary grass, Japanese knotweed, purple loosestrife, blackberry, Scotch broom, poison oak, stinging nettles, or devil's club.			Use Integrated Pest Management techniques to control noxious weeds or invasive species.
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants or other pollutants.			No contaminants or pollutants present.
Rodent Holes	If facility acts as a dam or berm, any evidence of rodent holes, or any evidence of water piping through dam or berm via rodent holes.			The design specifications are not compromised by holes. Any rodent control activities are in accordance with applicable laws and do not affect any protected species.

Defect	**Conditions When Maintenance Is Needed**	**Maintenance Needed? (Y/N)**	**Comments** (Describe maintenance completed and if any needed maintenance was not conducted, note when it will be done.)	**Results Expected When Maintenance Is Performed**
Insects	Insects such as wasps and hornets interfere with maintenance activities.			Insects do not interfere with maintenance activities.
Tree/Brush Growth and Hazard Trees	• Growth does not allow maintenance access or interferes with maintenance activity. • Dead, diseased, or dying trees.			• Trees do not hinder maintenance activities. • Remove hazard trees as approved by the City. (Use a certified Arborist to determine health of tree or removal requirements).
Drainage time	Standing water remains in basin more than five days.			Correct any circumstances that restrict the flow of water from the system. Restore drainage to design condition. If the problem cannot be corrected and problems with standing water recur, then mosquitoes should be controlled with larvicides, applied by a licensed pesticide applicator.
Outfall structure	Debris or silt build-up obstructs an outfall structure.			Remove debris and/or silt build-up and dispose of properly.
SIDE SLOPES				
Erosion	• Eroded over 2 in. deep where cause of damage is still present or where there is potential for continued erosion. • Any erosion on a compacted berm embankment.			Cause of erosion is managed appropriately. Side slopes or berm are restored to design specifications, as needed.

Defect	Conditions When Maintenance Is Needed	Maintenance Needed? (Y/N)	Comments (Describe maintenance completed and if any needed maintenance was not conducted, note when it will be done.)	Results Expected When Maintenance Is Performed
STORAGE AREA				
Sediment	Accumulated sediment >10% of designed basin depth or affects inletting or outletting condition of the facility.			• Sediment cleaned out to designed basin shape and depth; basin reseeded if necessary to control erosion. Sediment disposed of properly. • Sediment removal shall utilize line and grade markers within each basin.
Liner (If Applicable)	Liner is visible and has more than three 1/4-inch holes in it.			Liner repaired or replaced. Liner is fully covered.
Emergency Overflow/ Spillway and Berms				
Settlement	Berm settlement 4 inches lower than the design elevation.			Dike is built back to the design elevation.
Tree Growth	Tree growth on berms or emergency spillway >4 ft in height or covering more than 10% of spillway.			• Trees should be removed. If root system is small (base less than 4 inches) the root system may be left in place. Otherwise the roots should be removed and the berm restored. • A civil engineer should be consulted for proper berm/spillway restoration.
Emergency Overflow/ Spillway	Rock is missing and soil is exposed at top of spillway or outside slope.			Rocks and pad depth are restored to design standards.
Debris Barriers (e.g., Trash Racks)				
Trash and Debris	Trash or debris is plugging openings in the barrier.			Trash or debris is removed and disposed of properly.
Damaged/ Missing Bars	Bars are missing, loose, bent out of shape, or deteriorating due to excessive rust.			Bars are repaired or replaced to allow proper functioning of trash rack.
Inlet/Outlet Pipe	Debris barrier is missing or not attached to pipe.			Debris barrier is repaired or replaced to allow proper functioning of trash rack.

Defect	**Conditions When Maintenance Is Needed**	**Maintenance Needed? (Y/N)**	**Comments** (Describe maintenance completed and if any needed maintenance was not conducted, note when it will be done.)	**Results Expected When Maintenance Is Performed**
Fencing and Gates				
Missing or broken parts	Any defect in or damage to the fence or gate that permits easy entry to a facility.			Fencing and gate are restored to design specifications.
Deteriorating Paint or Protective Coating	Part or parts that have a rusting or scaling condition that has affected structural adequacy.			Paint or protective coating is sufficient to protect structural adequacy of fence or gate.

Flow Duration Control Outlet (if included in design to meet Hydromodification Management Standard)				
Risers, orifices and screens	Any debris or clogging			Restore unobstructed flow through discharge structure; to meet original design; dispose of debris properly.
Miscellaneous				
Miscellan-ous	Any condition not covered above that needs attention to restore extended detention basin to design conditions.			Meets the design specifications.