

SacCalc Model Data

For

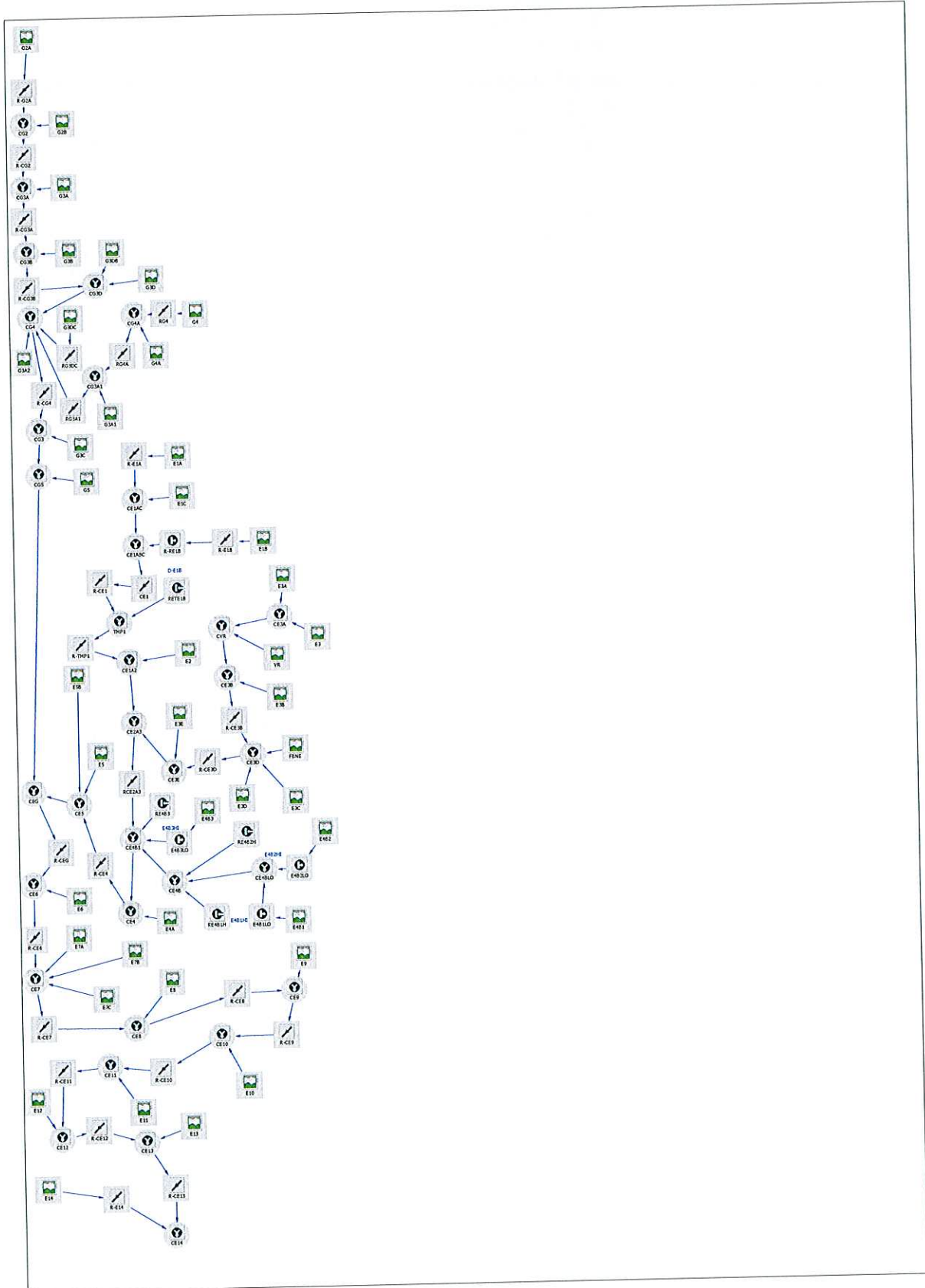
Elder and Gerber Creeks – Standalone Fvcp

Model Schematic Layout

Peak Flow Summary

Report

ELDER/GERBER CREEK BASINS - FVCP STAND-ALONE



Sacramento method results
(Project: ELDER/GERBER CREEK BASINS - FVCP STAND-ALONE)
(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)
G2A	374.	14:04	1.29			
R-G2A	269.	17:03	1.29	.0	14.	
G2B	237.	13:22	.63			
CG2	327.	16:38	1.92			
R-CG2	326.	17:07	1.92	.0	2.5	
G3A	285.	13:29	.80			
CG3A	549.	13:38	2.71			
R-CG3A	473.	15:09	2.71	.0	7.5	
G3B	73.	12:47	.13			
CG3B	493.	15:07	2.85			
R-CG3B	492.	15:19	2.85	.0	1.8	
G3D	103.	13:12	.25			
G3DB	58.	12:28	.08			
CG3D	541.	15:13	3.17			
G3A1	134.	12:33	.19			
G4	115.	12:28	.15			
RG4	98.	12:46	.15			
G4A	148.	12:27	.19			
CG4A	217.	12:32	.34			
RG4A	202.	12:42	.34			
CG3A1	330.	12:36	.53			
RG3A1	327.	12:38	.53			
G3A2	19.	12:32	.03			
G3DC	44.	12:10	.03			
RG3DC	44.	12:10	.03			
CG4	658.	12:43	3.77			
R-CG4	626.	13:29	3.77	.0	4.6	
G3C	134.	12:45	.24			
CG3	705.	13:19	4.00			
G5	144.	13:21	.37			
CG5	849.	13:20	4.37			
E2	291.	14:15	1.02			
E1A	454.	13:42	1.38			
R-E1A	378.	15:19	1.38	.0	7.8	
E1C	475.	13:31	1.34			
CE1AC	703.	13:44	2.73			
E1B	350.	14:32	1.38			
R-E1B	275.	15:30	1.38			

Sacramento method results

R-RE1B	81.	13:59	1.38			76.18
CE1ABC	784.	13:44	4.10			
CE1	669.	17:07	4.10	.0	22.	
R-CE1	668.	17:31	4.10	.0	5.5	
RETE1B	194.	15:30	.00			
TMP1	812.	17:01	4.10			
R-TMP1	742.	19:50	4.10	.0	36.	
CE1A2	820.	19:39	5.12			
E3E	95.	12:21	.10			
E3C	130.	12:17	.13			
E3D	80.	12:20	.09			
E3	99.	13:03	.22			
E3A	42.	12:50	.08			
CE3A	139.	12:58	.30			
VR	42.	12:09	.03			
CVR	147.	12:57	.33			
E3B	27.	12:10	.02			
CE3B	153.	12:57	.36			
R-CE3B	150.	13:10	.36			
FBNE	85.	12:12	.07			
CE3D	369.	12:18	.64			
R-CE3D	320.	12:37	.64			
CE3E	385.	12:35	.74			
CE2A3	851.	19:32	5.86			
RCE2A3	834.	20:53	5.86	.0	24.	
E4B1	176.	12:27	.22			7.26
E4B1LO	50.	12:19	.22			
E4B2	266.	12:53	.49			7.22
E4B2LO	151.	12:21	.49			
CE4BLO	201.	12:21	.71			
RE4B2H	115.	12:53	.00			
RE4B1H	126.	12:27	.00			
CE4B	376.	12:45	.71			
E4B3	122.	12:49	.22			4.28
E4B3LO	59.	12:39	.22			
RE4B3	63.	12:49	.00			
CE4B1	869.	20:51	6.79			
E4A	243.	13:36	.70			
CE4	892.	20:47	7.49			
R-CE4	852.	23:04	7.49	.0	30.	
E5	131.	12:41	.21			
E5B	69.	13:28	.19			
CE5	860.	23:02	7.89			
CEG	1496.	15:47	12.27			

Sacramento method results

R-CEG	1495.	16:03	12.27	.0	14.
E6	229.	12:34	.33		
CE6	1526.	15:59	12.60		
R-CE6	1526.	16:54	12.60	.0	.0
E7A	163.	12:31	.22		
E7B	161.	12:37	.25		
E7C	152.	12:52	.28		
CE7	1586.	16:50	13.35		
R-CE7	1585.	17:07	13.35	.0	6.0
E8	169.	12:34	.25		
CE8	1602.	17:06	13.59		
R-CE8	1601.	17:19	13.59	.0	8.6
E9	309.	12:33	.44		
CE9	1641.	14:56	14.03		
R-CE9	1641.	15:00	14.03	.0	4.8
E10	228.	12:27	.29		
CE10	1681.	14:59	14.32		
R-CE10	1679.	15:07	14.32	.0	4.9
E11	200.	12:23	.23		
CE11	1707.	15:06	14.55		
R-CE11	1705.	15:14	14.55	.0	4.8
E12	299.	12:34	.43		
CE12	1767.	15:13	14.99		
R-CE12	1766.	15:20	14.99	.0	4.9
E13	123.	12:26	.15		
CE13	1784.	15:19	15.14		
R-CE13	1781.	15:30	15.14	.0	6.1
E14	804.	12:46	1.39		
R-E14	174.	15:56	1.39	.0	83.
CE14	1954.	15:30	16.53		
E7	472.	12:40	.75		

(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)
G2A	218.	14:07	1.29			
R-G2A	159.	17:03	1.29	.0	8.3	
G2B	133.	13:23	.63			
CG2	187.	16:43	1.92			
R-CG2	187.	17:08	1.92	.0	1.5	
G3A	162.	13:31	.80			
CG3A	307.	13:40	2.71			
R-CG3A	282.	14:43	2.71	.0	3.5	

Sacramento method results

G3B	40.	12:47	.13		
CG3B	295.	14:41	2.85		
R-CG3B	294.	14:59	2.85	.0	1.0
G3D	58.	13:13	.25		
G3DB	31.	12:27	.08		
CG3D	326.	14:54	3.17		
G3A1	84.	12:25	.19		
G4	68.	12:23	.15		
RG4	56.	12:44	.15		
G4A	84.	12:24	.19		
CG4A	122.	12:28	.34		
RG4A	114.	12:40	.34		
CG3A1	188.	12:29	.53		
RG3A1	186.	12:32	.53		
G3A2	11.	12:30	.03		
G3DC	23.	12:10	.03		
RG3DC	23.	12:10	.03		
CG4	380.	13:01	3.77		
R-CG4	377.	13:27	3.77	.0	2.5
G3C	72.	12:45	.24		
CG3	429.	13:17	4.00		
G5	82.	13:23	.37		
CG5	510.	13:19	4.37		
E2	177.	14:14	1.02		
E1A	260.	13:44	1.38		
R-E1A	234.	14:51	1.38	.0	4.7
E1C	270.	13:33	1.34		
CE1AC	422.	14:18	2.73		
E1B	205.	14:34	1.38		
R-E1B	157.	15:48	1.38		
R-RE1B	81.	13:47	1.38		22.24
CE1ABC	503.	14:18	4.10		
CE1	432.	16:05	4.10	.0	13.
R-CE1	425.	16:35	4.10	.0	3.8
RETE1B	76.	15:48	.00		
TMP1	494.	16:32	4.10		
R-TMP1	423.	19:58	4.10	.0	21.
CE1A2	467.	19:45	5.12		
E3E	55.	12:18	.10		
E3C	78.	12:13	.13		
E3D	47.	12:15	.09		
E3	55.	13:05	.22		
E3A	23.	12:51	.08		
CE3A	76.	12:59	.30		

Sacramento method results

VR	24.	12:06	.03		
CVR	83.	12:58	.33		
E3B	16.	12:07	.02		
CE3B	87.	12:58	.36		
R-CE3B	86.	13:13	.36		
FBNE	51.	12:09	.07		
CE3D	212.	12:14	.64		
R-CE3D	181.	12:37	.64		
CE3E	216.	12:34	.74		
CE2A3	485.	19:39	5.86		
RCE2A3	468.	21:36	5.86	.0	13.
E4B1	109.	12:20	.22		
E4B1LO	50.	12:18	.22		2.19
E4B2	167.	12:45	.49		
E4B2LO	151.	12:34	.49		.36
CE4BLO	201.	12:34	.71		
RE4B2H	16.	12:45	.00		
RE4B1H	59.	12:20	.00		
CE4B	234.	12:39	.71		
E4B3	72.	12:44	.22		
E4B3LO	59.	12:29	.22		.43
RE4B3	13.	12:44	.00		
CE4B1	491.	21:35	6.79		
E4A	141.	13:37	.70		
CE4	507.	13:34	7.49		
R-CE4	481.	23:46	7.49	.0	16.
E5	82.	12:32	.21		
E5B	39.	13:30	.19		
CE5	495.	16:26	7.89		
CEG	903.	15:18	12.27		
R-CEG	898.	15:51	12.27	.0	10.
E6	142.	12:26	.33		
CE6	916.	15:48	12.60		
R-CE6	916.	16:23	12.60	.0	.0
E7A	101.	12:24	.22		
E7B	101.	12:28	.25		
E7C	95.	12:43	.28		
CE7	957.	15:03	13.35		
R-CE7	957.	15:12	13.35	.0	4.0
E8	102.	12:28	.25		
CE8	976.	15:10	13.59		
R-CE8	974.	15:28	13.59	.0	6.2
E9	182.	12:28	.44		
CE9	1004.	15:23	14.03		

Sacramento method results

R-CE9	1003.	15:30	14.03	.0	3.3
E10	140.	12:21	.29		
CE10	1019.	15:28	14.32		
R-CE10	1019.	15:31	14.32	.0	3.4
E11	120.	12:18	.23		
CE11	1032.	15:28	14.55		
R-CE11	1031.	15:35	14.55	.0	3.5
E12	179.	12:28	.43		
CE12	1061.	15:30	14.99		
R-CE12	1060.	15:39	14.99	.0	3.5
E13	70.	12:23	.15		
CE13	1068.	15:38	15.14		
R-CE13	1067.	15:50	15.14	.0	4.1
E14	513.	12:37	1.39		
R-E14	171.	14:25	1.39	.0	38.
CE14	1238.	15:50	16.53		
E7	295.	12:32	.75		

Sacramento Hydrologic Calculator Report

October 12, 2007 12:52

Project Title: ELDER/GERBER CREEK BASINS - FVCP STAND-ALONE
 Comments: EG24E100 ELDER/GERBER CREEK BASINS -
 Prepared by: BAT

Method: Sacramento County HEC-1 method
 Date: 4/21/2005

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 (%)
G2A	825	85	Basin "n"	-	Computed	-	Computed	-	Computed	-
G2B	403	75	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3A	509.1	70	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3B	86.2	60	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3D	157.3	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
G4	97	60	Basin "n"	-	Computed	-	Computed	-	Computed	-
G5	237.32	48	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1A	885.18	125	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1C	860.69	100	Basin "n"	-	Computed	-	Computed	-	Computed	-
E1B	881	0	Basin "n"	-	Computed	-	Computed	-	Computed	-
E2	650.3	65	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3	141.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4B3	139.4	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4A	447.6	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E5	136.3	49	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7A	143.4	44	Basin "n"	-	Computed	-	Computed	-	Computed	-
E8	156.9	40	Basin "n"	-	Computed	-	Computed	-	Computed	-
E9	280.71	36	Basin "n"	-	Computed	-	Computed	-	Computed	-
E10	185.71	32	Basin "n"	-	Computed	-	Computed	-	Computed	-
E11	147.52	30	Basin "n"	-	Computed	-	Computed	-	Computed	-
E12	276.48	25	Basin "n"	-	Computed	-	Computed	-	Computed	-
E13	97.05	24	Basin "n"	-	Computed	-	Computed	-	Computed	-
E14	892.73	20	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3C	151.6	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
E6	209.9	45	Basin "n"	-	Computed	-	Computed	-	Computed	-
E5B	120	49	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3C	80.45	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3E	66.484	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3D	55.537	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4B1	142	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4B2	315.4	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7B	157.2	40	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7C	181.3	38	Basin "n"	-	Computed	-	Computed	-	Computed	-
G4A	123	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3A1	120.9	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3A2	17.4	54	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3DC	22.1	62	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7	481.9	40	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3A	52.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
VR	19.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3B	13.124	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
FBNE	45.1	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
G3DB	49.2	59	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'
G2A	14399.	5998.	.0031	Undeveloped													0	0	0	709.9		
				Developed															29.1	78.8	7.2	0
G2B	8369.	4752.	.0032	Undeveloped													39.2	1.4	135.7	0		
				Developed																		447.4
G3A	6399.	4599.	.0028	Undeveloped													0	0	0	0		
				Developed															3.7	38.8	19.2	0
G3B	3152.	2001.	.0026	Undeveloped													7.6	19.7	0.9	0		
				Developed																		0
G3D	9900.	5502.	.0016	Undeveloped																0		
				Developed																		100
G4	2700	1500	.0015	Undeveloped	0							0	0		0					2.5		
				Developed	1.1								2.7	9.7		51						0
G5	5940.	3300.	.0015	Undeveloped																0		
				Developed																		183.4
E1A	10798.	5998.	.0050	Undeveloped																0		
				Developed																		725.45
E1C	9900.	5000.	.005	Undeveloped			0													0		
				Developed			6.61															665.16
E1B	15750.	8501.	.0029	Undeveloped																0		
				Developed																		834.98
E2	14509.	7202.	.0013	Undeveloped	0		0													0		
				Developed	5.8		158.2															463.1
E3	5193	2202	.0039	Undeveloped																0		
				Developed																		129.2
E4B3	5000	2500	.0012	Undeveloped	0	0	0													0		
				Developed	4.3	2.6	78.7															348.9
E4A	7302.	4298.	.0015	Undeveloped																0		
				Developed																		0
E5	5760.	3099.	.0014	Undeveloped			0													0		
				Developed			21															9.3
E7A	3540	2000	.0010	Undeveloped	0	0	0				0	0								5.5		
				Developed	9	0.1	6.2				12.9	79.7	29.9									0
E8	4800.	2408.	.0014	Undeveloped		0	0	0	0											0		
				Developed		1.9	28.1	0.1	13.2													0
E9	4604.	2497.	.0025	Undeveloped																0		
				Developed		13.95					66.54	7.38										87.39
E10	4050.	1843.	.0024	Undeveloped			0													0		
				Developed		12.06		8.85				10.7	17.38	128.57								7.92
E11	3400.	1399.	.0024	Undeveloped																0		
				Developed		20.62					0.45	32.65	0.19	77.15								16.37
E12	4599.	2339.	.0012	Undeveloped																0		
				Developed		31.57						63.87	83.06	3.16	22.45							71.13
E13	3200.	1800.	.0022	Undeveloped																0		
				Developed		23.37						19.11	10.63	0.2								43.73
E14	9002.	4499.	.0024	Undeveloped			0													0		
				Developed		229.5		71.89				38.63		90.94	397.71							51.88
G3C	3332	1299	0.0049	Undeveloped																0		
				Developed																		0
E6	3930	2500	.0014	Undeveloped	0	0	0													0		
				Developed	6.6	12.3		21.8														10.1
E5B	5760.	3099.	.0014	Undeveloped																0		
				Developed																		0
E3C	2561	1525	.0023	Undeveloped	0		0													0		
				Developed	0.561		76.98							0.001								2.204
E3E	3070	1200	.00195	Undeveloped	0	0	0													0		
				Developed	4.254	0.101	40.678															21.451
E3D	2330	1000	.0026	Undeveloped	0	0														0		
				Developed	4.635	1.998																0
E4B1	4100	1200	.0012	Undeveloped	0		0													0		
				Developed	1.4		0.5															1.8
E4B2	9200	4000	.0012	Undeveloped	0		0													0		
				Developed	0.2		265															49.2
E7B	4150	2700	.0014	Undeveloped																0		
				Developed																		5.1
E7C	5610	3500	.0007	Undeveloped				0	0											0		
				Developed				0.1	73.6													8.6
G4A	2870	1300	.0014	Undeveloped																0		
				Developed																		0

G3A1	4350	3000	.0018	Undeveloped	0	0		0						0	0	0	0			2.4			
				Developed	5.4	25.6		17.8									68.9	0.3	0.2	0.3			0
G3A2	1970	1000	.001	Undeveloped	0			0						0						0			
				Developed	1.5			0.1									7					0	
G3DC	855.9	400	.00186	Undeveloped	0									0					18.8				
				Developed	0.3												3					0	27.3
E7	5518	2519	.0012	Undeveloped	0	0		0	0	0	0	0	0	0						8.7	0		
				Developed	9	0.1		6.3	73.7	4.6	12.9	79.9	259.4								0.6	0.1	6
E3A	3485	1508	.0034	Undeveloped															0	0	0	0	
				Developed																	0	0	0
VR	1472	351	.0041	Undeveloped	0		0														0	0.202	
				Developed	0.387			0.031									19.095						
E3B	1482	723	.0027	Undeveloped	0		0																
				Developed	0.208			0.07	12.846														
FBNE	2070	1010	.0029	Undeveloped	0	0	0	0						0									
				Developed	0.963	29.505	0.53	14.06														0	0
G3DB	2200	1000	.0009	Undeveloped																7	2.1	0.5	39.9
				Developed																			

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*
G2A	B																		
	C												5.1	34.4	1	89.3			
	D												24	44.4	6.2	620.6			
G2B	B												28.4	1.4	97.6	88.9			
	C												10.8		38.2	137.8			
	D																		
G3A	B											2.4	23.1	17		163.9			
	C											1.3	15.7	2.2		283.5			
	D																		
G3B	B												2.5			0.2			
	C											7.6	17.2	0.9		57.9			
	D																		
G3D	B												1.9			0.9			
	C												52.6		2.5	99			
	D																		
G4	B																		
	C																		
	D	1.1							2.7	9.7		51		30			2.5		
G5	B																		
	C													34		20.1	183.4		
	D																0.6		
E1A	B												2.2	1.8	80	179.2			
	C												62.9	0.2	12.6	545.7			
	D														1.3	21.9			
E1C	B												15.6	19.2	7.9	190.3			
	C			3.3									28.3		116.6	452.9			
	D			3.3															
E1B	B																		
	C												2.8			81.5			
	D												43.2			753.4			
E2	B																		
	C												14.8			121.6			
	D	5.8		158.2									5.5	3		341.5			
E3	B																		
	C														7	30.7			
	D												5.5			98.4			
E4B3	B																		
	C	0.3		7															
	D	4	2.6	71.7					0.1									53.7	
E4A	B																		
	C												1.8		1.6	6.4			
	D												19.7	36.3	18.1	21.1	342.5		
E5	B																		
	C																		
	D				21					104		2					9.3		
E7A	B																		
	C																		
	D	9	0.1		6.2				12.9	79.7	29.9						5.5		
E8	B																		
	C																		
	D		1.9	28.1	0.1	13.2						77.6		0.4	13.1	22.6			
E9	B																		
	C																		
	D		14					66.5	7.4		104.2					87.4	1.3		
E10	B																		
	C																		
	D		12.1		8.8				10.7	17.4	128.6					7.9	0.2		
E11	B																		
	C																		
	D		20.6					0.5	32.7	0.2	77.2					16.4	0.1		
E12	B																		
	C																		
	D		31.6					63.9	83.1	3.2	22.5					71.1	1.2		
	B																		

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"
RG4	G4	CG4A	Trapezoidal	2710	.00147	4	3:1	.045
RG4A	CG4A	CG3A1	Trapezoidal	1125	.0010	4	3:1	.045
RG3A1	CG3A1	CG4	Trapezoidal	417	.0020	4	3:1	.045
RG3DC	G3DC	CG4	Pipe	90	.003	4		.024
R-CE3B	CE3B	CE3D	Trapezoidal	2163	.0027	10	4:1	.06
R-CE3D	CE3D	CE3E	Trapezoidal	3150	.0022	10	4:1	.06

Hydrograph Routing – Muskingum-Cunge 8-Point Cross Section

Routing ID	Route From	Route To	Channel Length (ft)	Slope (ft/ft)	Cross Section Geometry								
					Left OB 1	Left OB 2	Left Bank	Channel Point 1	Channel Point 2	Right Bank	Right OB 1	Right OB 2	
R-E1B	E1B	R-RE1B	4000	.0003	Station	0	50	100	104	108	116	166	216
					Elevation	3.7	3	1.2	6	4	1.5	3.7	5.5
					Mannings "n"	.06			.035			.06	

Hydrograph Routing – Modified Puls (Storage)

Routing ID	Route From	Route To	No. Steps	Initial Flow (cfs)	Storage-Discharge Relationship											
					Volume (acre-ft)	0	15.2	27.7	51.6	76	100.8	122.7	145.4	169	191.8	221.6
R-G2A	G2A	CG2	5	0	Volume (acre-ft)	0	50	100	200	300	400	500	600	700	800	900
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG2	CG2	CG3A	5	0	Volume (acre-ft)	0	2.5	4.5	7.9	11.3	15.2	20.7	24	26	28.1	30
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG3A	CG3A	CG3B	5	0	Volume (acre-ft)	0	1.9	4.4	10.9	18.9	28.4	40.6	50.6	57.2	63.3	68.6
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG3B	CG3B	CG3D	5	0	Volume (acre-ft)	0	0.8	1.3	2.8	5.3	7.6	9.2	11	13.1	15.3	18
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-CG4	CG4	CG3	5	0	Volume (acre-ft)	0	2.1	3.8	7	10	13.4	17.1	21.4	27	34.1	41.5
					Flow (cfs)	0	50	100	200	300	400	500	600	700	800	900
R-E1A	E1A	CE1AC	5	0	Volume (acre-ft)	0	11.2	29.2	34.5	42.4	60.3	77.5	93.3	116.1	141.6	171.8
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
CE1	CE1ABC	R-CE1	5	0	Volume (acre-ft)	0	7.7	35.6	45	60.3	68.5	91.3	115.9	141.2	166.4	190.9
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CE1	CE1	TMP1	5	0	Volume (acre-ft)	0	5.1	14.2	16.2	18.1	21.7	25.1	28.5	31.7	34.9	41
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
RCE2A3	CE2A3	CE4B1	5	0	Volume (acre-ft)	0	7.6	39.9	47.6	55.2	71.4	87.5	102.9	115.6	126.3	136.2
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CE4	CE4	CE5	5	0	Volume (acre-ft)	0	13.1	44.1	53.5	63.7	83.6	102.7	121.1	139.7	158.4	177.7
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000
R-CEG	CEG	CE6	5	0	Volume (acre-ft)	0	2.8	16.8	31.8	46.4	56.1	62.3	67.1	71.5	75.6	79.5
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE6	CE6	CE7	4451.04	0	Volume (acre-ft)	0	5.2	15.4	22.9	31.3	40.9	51.7	64.7	79.7	94.1	110.7
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE7	CE7	CE8	5	0	Volume (acre-ft)	0	6.1	12.4	15.6	17.9	20.5	23	25.9	30.5	36.4	64.5
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE8	CE8	CE9	5	0	Volume (acre-ft)	0	7.3	17.3	22.6	27.3	31.7	35.8	39.7	43.2	47.2	56.2
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE9	CE9	CE10	4	0	Volume (acre-ft)	0	3	7	10	12	13	15	17	19	20	23
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE10	CE10	CE11	3	0	Volume (acre-ft)	0	2	5	7	8	10	11	13	14	16	17
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE11	CE11	CE12	5	0	Volume (acre-ft)	0	4	9	12	14	17	19	21	23	25	27
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE12	CE12	CE13	5	0	Volume (acre-ft)	0	6	9	12	14	17	19	21	23	25	27
					Flow (cfs)	0	100	400	600	800	1000	1200	1400	1600	1800	2000
R-CE13	CE13	CE14	5	0	Volume (acre-ft)	0	8.6	13.7	18.2	22.4	26.4	30.8	34.6	39	64	
					Flow (cfs)	0	300	600	900	1200	1500	1800	2100	2400	2700	
R-E14	E14	CE14	1	0	Volume (acre-ft)	0	2.35	4.71	7.04	100						
					Flow (cfs)	0	56	113	169	175						
R-TMP1	TMP1	CE1A2	5	0	Volume (acre-ft)	0	22.8	74.4	86.6	98.7	122.8	146.6	169.7	193.5	216.8	239.1
					Flow (cfs)	0	100	300	350	400	500	600	700	800	900	1000

