SacCalc Model Data

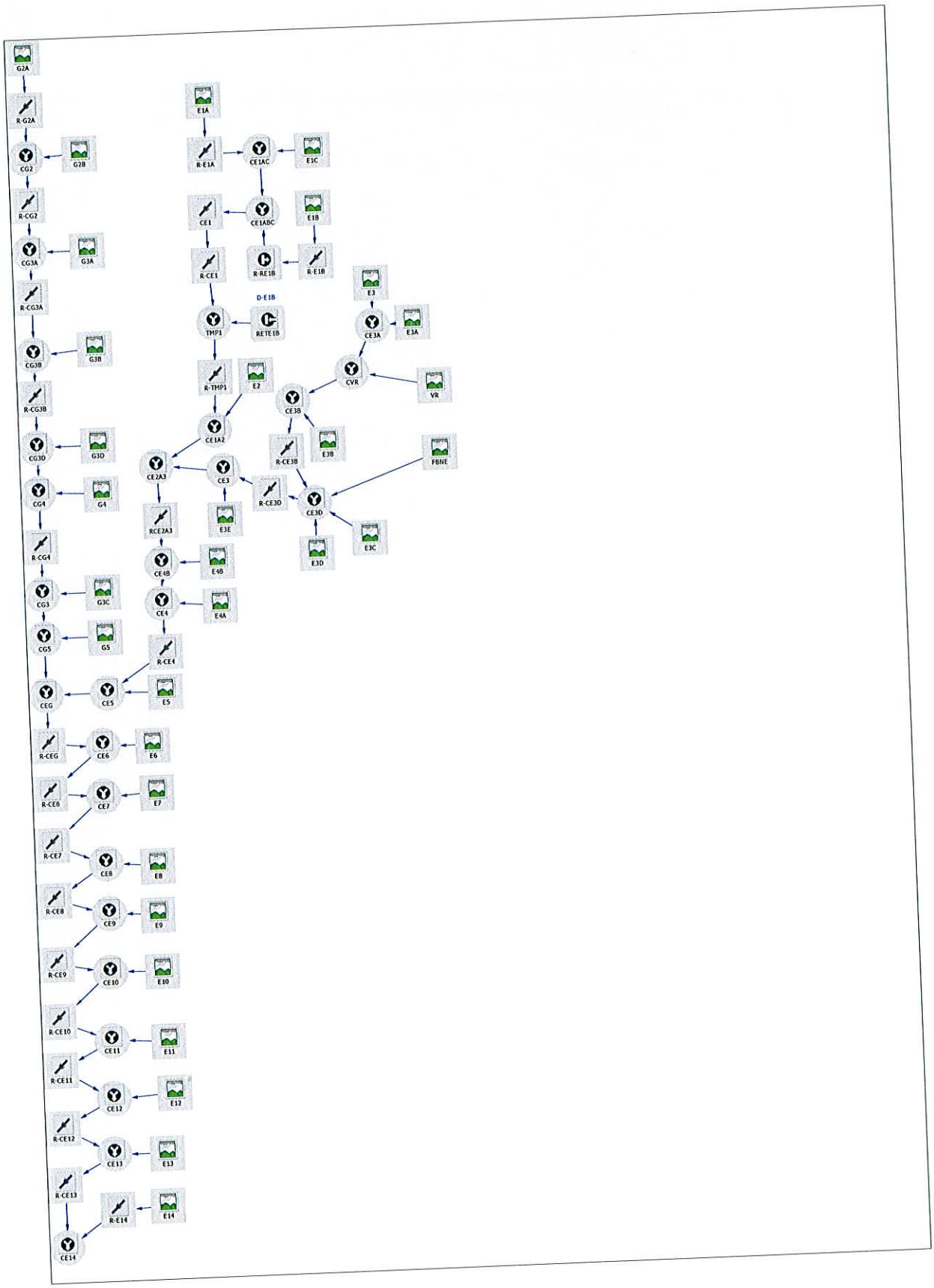
For

Elder and Gerber Creeks – Interim Ultimate

Model Schematic Layout

Peak Flow Summary

Report


G2A
R-G2A
CG2
G2B
R-CG2
CG3A
G3A
R-CG3A
CG3B
G3B
R-CG3B
CG3D
G3D
CG4
G4
R-CG4
CG3
G3C
CG5
G5
CEG
R-CEG
CE6
E6
R-CE6
CE7
E7
R-CE7
CE8
E8
R-CE8
CE9
E9
R-CE9
CE10
E10
R-CE10
CE11
E11
R-CE11
CE12
E12
R-CE12
CE13
E13
R-CE13
R-E14
E14
CE14
E1A
R-E1A
CE1AC
E1C
CE1
CE1ABC
E1B
R-CE1
R-RE1B
R-E1B
D-E1B
TMP1
RETE1B
R-TMP1
E2
CE1A2
CE2A3
CE3
RCE2A3
E3E
CE4B
E4B
CE4
E4A
R-CE4
CE5
E5
E3
CE3A
E3A
CVR
VR
CE3B
E3B
R-CE3B
FBNE
R-CE3D
CE3D
E3C
E3D

6/14/2007 - RDH

Sacramento method results

(Project: Vintage Ranch and Florin-Bradshaw developments)

(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	375.	14:04	1.29			
R-G2A	270.	17:03	1.29	.0	14.	
G2B	238.	13:22	.63			
CG2	328.	16:38	1.92			
R-CG2	327.	17:07	1.92	.0	2.5	
G3A	286.	13:29	.80			
CG3A	551.	13:38	2.71			
R-CG3A	475.	15:09	2.71	.0	7.5	
G3B	74.	12:47	.13			
CG3B	494.	15:07	2.85			
R-CG3B	494.	15:19	2.85	.0	1.8	
G3D	189.	13:45	.57			
CG3D	609.	15:04	3.42			
G4	145.	13:15	.35			
CG4	674.	14:54	3.78			
R-CG4	669.	15:32	3.78	.0	5.1	
G3C	134.	12:45	.24			
CG3	698.	15:26	4.01			
G5	156.	13:19	.39			
CG5	764.	15:13	4.41			
E2	264.	14:19	.97			
E1A	456.	13:42	1.38			
R-E1A	379.	15:19	1.38	.0	7.8	
E1C	477.	13:31	1.34			
CE1AC	705.	13:44	2.73			
E1B	351.	14:32	1.38			
R-E1B	276.	15:30	1.38			
R-RE1B	40.	14:37	1.38			114.56
CE1ABC	745.	13:44	4.10			
CE1	637.	17:01	4.10	.0	20.	
R-CE1	635.	17:26	4.10	.0	5.3	
RETE1B	236.	15:30	.00			
TMP1	826.	16:53	4.10			
R-TMP1	753.	19:42	4.10	.0	36.	
CE1A2	821.	19:32	5.08			
E3E	83.	12:27	.10			
E3C	130.	12:17	.13			
E3D	80.	12:20	.09			

FBNE	91.	12:12	.07		
E3B	27.	12:10	.02		
VR	47.	12:08	.03		
E3	100.	13:03	.22		
E3A	43.	12:50	.08		
CE3A	139.	12:58	.30		
CVR	148.	12:57	.34		
CE3B	154.	12:57	.36		
R-CE3B	151.	13:10	.36		
CE3D	378.	12:18	.64		
R-CE3D	327.	12:37	.64		
CE3	399.	12:35	.75		
CE2A3	853.	19:25	5.83		
RCE2A3	836.	20:46	5.83	.0	24.
E4B	310.	13:54	.98		
CE4B	882.	20:38	6.81		
E4A	244.	13:36	.70		
CE4	906.	20:33	7.51		
R-CE4	866.	22:48	7.51	.0	30.
E5	125.	13:20	.32		
CE5	870.	22:47	7.82		
CEG	1496.	16:11	12.23		
R-CEG	1494.	16:27	12.23	.0	14.
E6	147.	12:36	.22		
CE6	1509.	16:25	12.46		
R-CE6	1509.	17:20	12.46	.0	.0
E7	351.	12:57	.70		
CE7	1566.	17:16	13.16		
R-CE7	1564.	17:33	13.16	.0	5.9
E8	170.	12:34	.25		
CE8	1581.	17:33	13.40		
R-CE8	1580.	17:45	13.40	.0	8.6
E9	310.	12:33	.44		
CE9	1607.	17:45	13.84		
R-CE9	1607.	17:49	13.84	.0	4.8
E10	229.	12:27	.29		
CE10	1626.	17:48	14.13		
R-CE10	1625.	17:56	14.13	.0	4.7
E11	201.	12:23	.23		
CE11	1640.	17:56	14.36		
R-CE11	1639.	18:03	14.36	.0	4.7
E12	301.	12:34	.43		
CE12	1668.	18:03	14.80		
R-CE12	1668.	18:10	14.80	.0	4.7

Sacramento method results

E13	124.	12:26	.15			
CE13	1677.	18:10	14.95			
R-CE13	1677.	18:21	14.95	.0	5.8	
E14	808.	12:46	1.39			
R-E14	174.	15:57	1.39	.0	84.	
CE14	1850.	18:20	16.34			

(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	8.4	
G2B	134.	13:23	.63			
CG2	188.	16:43	1.92			
R-CG2	187.	17:08	1.92	.0	1.5	
G3A	162.	13:31	.80			
CG3A	308.	13:40	2.71			
R-CG3A	283.	14:43	2.71	.0	3.5	
G3B	41.	12:47	.13			
CG3B	296.	14:41	2.85			
R-CG3B	295.	14:59	2.85	.0	1.0	
G3D	111.	13:47	.57			
CG3D	374.	14:48	3.42			
G4	83.	13:16	.35			
CG4	418.	14:39	3.78			
R-CG4	416.	15:05	3.78	.0	2.8	
G3C	73.	12:45	.24			
CG3	435.	15:01	4.01			
G5	89.	13:21	.39			
CG5	482.	14:24	4.41			
E2	155.	14:21	.97			
E1A	261.	13:44	1.38			
R-E1A	235.	14:51	1.38	.0	4.7	
E1C	271.	13:33	1.34			
CE1AC	424.	14:17	2.73			
E1B	206.	14:34	1.38			
R-E1B	157.	15:48	1.38			
R-RE1B	40.	14:51	1.38			48.72
CE1ABC	464.	14:17	4.10			
CE1	386.	17:03	4.10	.0	11.	
R-CE1	386.	17:30	4.10	.0	3.5	
RETE1B	117.	15:48	.00			
TMP1	484.	16:54	4.10			

Sacramento method results

R-TMP1	439.	19:53	4.10	.0	22.
CE1A2	474.	19:43	5.08		
E3E	47.	12:24	.10		
E3C	79.	12:13	.13		
E3D	48.	12:15	.09		
FBNE	54.	12:09	.07		
E3B	16.	12:07	.02		
VR	27.	12:06	.03		
E3	55.	13:05	.22		
E3A	23.	12:51	.08		
CE3A	77.	12:59	.30		
CVR	83.	12:59	.34		
CE3B	88.	12:59	.36		
R-CE3B	86.	13:13	.36		
CE3D	217.	12:14	.64		
R-CE3D	185.	12:36	.64		
CE3	224.	12:34	.75		
CE2A3	493.	19:38	5.83		
RCE2A3	474.	21:31	5.83	.0	13.
E4B	184.	13:54	.98		
CE4B	494.	21:23	6.81		
E4A	141.	13:37	.70		
CE4	516.	14:13	7.51		
R-CE4	486.	23:30	7.51	.0	16.
E5	71.	13:21	.32		
CE5	487.	23:29	7.82		
CEG	874.	15:31	12.23		
R-CEG	869.	16:07	12.23	.0	10.0
E6	79.	12:35	.22		
CE6	878.	16:05	12.46		
R-CE6	878.	16:39	12.46	.0	.0
E7	205.	12:54	.70		
CE7	918.	16:34	13.16		
R-CE7	917.	16:43	13.16	.0	3.9
E8	103.	12:28	.25		
CE8	928.	16:42	13.40		
R-CE8	928.	16:59	13.40	.0	6.0
E9	183.	12:28	.44		
CE9	945.	16:58	13.84		
R-CE9	945.	17:01	13.84	.0	3.2
E10	141.	12:21	.29		
CE10	957.	17:01	14.13		
R-CE10	957.	17:09	14.13	.0	3.2
E11	121.	12:18	.23		

Sacramento method results

CE11	967.	17:08	14.36		
R-CE11	967.	17:20	14.36	.0	3.3
E12	180.	12:28	.43		
CE12	986.	17:19	14.80		
R-CE12	986.	17:30	14.80	.0	3.4
E13	71.	12:23	.15		
CE13	992.	17:30	14.95		
R-CE13	992.	17:40	14.95	.0	3.9
E14	515.	12:37	1.39		
R-E14	171.	14:26	1.39	.0	39.
CE14	1162.	17:40	16.34		

Sacramento Hydrologic Calculator Report

October 12, 2007 12:31

Project Title: Vintage Ranch and Florin-Bradshaw developments
Comments: EXISTING CONDS. with Vintage Ranch and Florin-Bradshaw developed
Prepared by: RDH

Method: Sacramento County HEC-1 method
Date: 6/14/2007

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	367.9	59	Basin "n"	-	Computed	-	Computed	-	Computed	-
G4	226.2	60	Basin "n"	-	Computed	-	Computed	-	Computed	-
G5	252.5	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	623.5	65	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3	141.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4B	628	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E4A	447.6	56	Basin "n"	-	Computed	-	Computed	-	Computed	-
E5	203.2	49	Basin "n"	-	Computed	-	Computed	-	Computed	-
E7	449.9	40	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	143.3	45	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3A	52.7	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3B	13.1	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3C	80.45	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3D	55.537	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
E3E	66.5	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
VR	20.4	68	Basin "n"	-	Computed	-	Computed	-	Computed	-
FBNE	47.5	68	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													0	0	0	226.7		
				Developed													39.2	1.4	135.7	0		
G3A	6399.	4599.	.0028	Undeveloped												0	0	0		447.4		
				Developed												3.7	38.8	19.2		0		
G3B	3152.	2001.	.0026	Undeveloped												0	0	0		58		
				Developed												7.6	19.7	0.9		0		
G3D	9900.	5502.	.0016	Undeveloped		0										0	0		0	242.2		
				Developed		5.8										7.5	89.8		22.6	0		
G4	6199.	2999.	.0017	Undeveloped	0												0	0	0	158.8		
				Developed	2												33.5	23.4	8.6	0		
G5	5940.	3300.	.0015	Undeveloped													0		0	183.4		
				Developed													34		35.1	0		
E1A	10798.	5998.	.0050	Undeveloped													0	0	0	725.45		
				Developed													65.15	1.96	92.61	0		
E1C	9900.	5000.	.005	Undeveloped			0										0	0	0	665.16		
				Developed			6.61										43.89	19.21	125.82	0		
E1B	15750.	8501.	.0029	Undeveloped													0			834.98		
				Developed													46.02			0		
E2	14509.	7202.	.0013	Undeveloped			0				0						0	0		430.5		
				Developed			11.6				3.9						23.7	153.8		0		
E3	5193	2202	.0039	Undeveloped													0		7	129.2		
				Developed													5.5		0	0		
E4B	8100.	5998.	.0012	Undeveloped							0				0		0		0	497.7		
				Developed							92.9				11.3		25.1		0.9	0		
E4A	7302.	4298.	.0015	Undeveloped												0	0	0	0	348.9		
				Developed												21.5	36.3	19.8	21.1	0		
E5	5760.	3099.	.0014	Undeveloped												0	0	0	0	158.4		
				Developed												4.2	15.3	24.3	0.9	0		
E7	5518.	2519.	.0012	Undeveloped		0			0		0		0				0	0	0	186.2		
				Developed		4.5			78.6		4.6		107.7				23	31.3	14.1	0		
E8	4800.	2408.	.0014	Undeveloped		0	0	0	0				0		0		0	0				
				Developed		1.9	28.1	0.1	13.2				77.6		0.4		13.1	22.6				
E9	4604.	2497.	.0025	Undeveloped		0				0	0		0						0	1.27		
				Developed		13.95				66.54	7.38		104.18						87.39	0		
E10	4050.	1843.	.0024	Undeveloped		0		0			0	0	0						0	0.22		
				Developed		12.06		8.85			10.7	17.38	128.57						7.92	0		
E11	3400.	1399.	.0024	Undeveloped		0				0	0	0	0						0	0.09		
				Developed		20.62				0.45	32.65	0.19	77.15						16.37	0		
E12	4599.	2339.	.0012	Undeveloped		0				0	0	0	0						0	1.23		
				Developed		31.57				63.87	83.06	3.16	22.45						71.13	0		
E13	3200.	1800.	.0022	Undeveloped		0				0		0	0						0	0.02		
				Developed		23.37				19.11		10.63	0.2						43.73	0		
E14	9002.	4499.	.0024	Undeveloped		0		0		0		0	0						0	12.18		
				Developed		229.5		71.89		38.63		90.94	397.71						51.88	0		
G3C	3332	1299	0.0049	Undeveloped																151.61		
				Developed															0	0		
E6	3802	1800	.0035	Undeveloped															64.2	44.7	34.4	
				Developed														0.6	0.1	6	0	
E3A	3485	1508	.0034	Undeveloped														0	0	0	46.1	
				Developed																	0	
E3B	1482	723	.0027	Undeveloped	0		0	0														
				Developed	0.208		0.07	12.846											0		0	
E3C	2561	1525	.0023	Undeveloped	0		0						0						0.711		2.204	
				Developed	0.561		76.98						0.001						0	0	0	
E3D	2330	1000.	.0026	Undeveloped	0	0							0			0	0		0.32	1.57	3.511	
				Developed	4.635	1.998							12.595			30.817	0.091				21.5	
E3E	3070	1200	0.00195	Undeveloped	0	0	0														0	
				Developed	4.3	0.1	40.7															
VR	1472	351	.0041	Undeveloped					0				0									
				Developed					10.1				10.3									
FBNE	2070	1010	.0029	Undeveloped		0																
				Developed		47.4																

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																		
	C													28.4	1.4	97.6	88.9		
	D													10.8		38.2	137.8		
G3A	B																		
	C												2.4	23.1	17		163.9		
	D												1.3	15.7	2.2		283.5		
G3B	B																		
	C													2.5			0.2		
	D												7.6	17.2	0.9		57.9		
G3D	B																		
	C													1.9			0.9		
	D		5.8										7.5	87.9		22.6	241.4		
G4	B																		
	C																		
	D	2												33.5	23.4	8.6	158.8		
G5	B																		
	C																		
	D													34		35.1	183.4		
E1A	B																0.6		
	C													2.2	1.8	80	179.2		
	D													62.9	0.2	12.6	545.7		
E1C	B															1.3	21.9		
	C			3.3										15.6	19.2	7.9	190.3		
	D			3.3										28.3		116.6	452.9		
E1B	B																		
	C													2.8			81.5		
	D													43.2			753.4		
E2	B																		
	C													14.8			121.6		
	D			11.6				3.9						8.9	153.8		308.9		
E3	B																		
	C															7	30.7		
	D													5.5			98.4		
E4B	B																		
	C											7.5					0.2		
	D							92.9				3.7		25.1		0.9	497.5		
E4A	B																		
	C												1.8		1.6		6.4		
	D												19.7	36.3	18.1	21.1	342.5		
E5	B																		
	C																		
	D												4.2	15.3	24.3	0.9	158.4		
E7	B																		
	C																		
	D		4.5			78.6		4.6		107.7				23	31.3	14.1	186.2		
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																		

E13	C																			
	D		23.4				19.1		10.6	0.2						43.7				
E14	B																			
	C																			
	D		229.5		71.9		38.6		90.9	397.7						51.9	12.2			
G3C	B																			
	C																151.6			
	D																			
E6	B																			
	C														64.2	44.7	34.4			
	D																			
E3A	B														0.1	5.7	17.6			
	C													0.6		0.2	28.5			
	D																			
E3B	B																			
	C	0.133		0.035	10.579															
	D	0.075		0.035	2.267															
E3C	B																			
	C			7.378					0.001						0.043		0.028			
	D	0.561		69.602											0.668		2.176			
E3D	B																			
	C	2.839	0.589						1.605			25.8	0.084		0.144	0.95	1.583			
	D	1.796	1.409						10.99			5.016	0.007		0.176	0.621	1.927			
E3E	B																			
	C																21.5			
	D	4.3	0.1	40.7																
VR	B																			
	C				6.7				9.6											
	D				3.3				0.7											
FBNE	B																			
	C		26.2																	
	D		21.2																	

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"
R-CE3B	CE3B	CE3D	Trapezoidal	2163	0.0027	10	4:1	0.06
R-CE3D	CE3D	CE3	Trapezoidal	3150	0.0022	10	4:1	0.06

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											
R-G2A	G2A	CG2	5	0	Volume (acre-ft)	0	15.2	27.7	51.6	76	100.8	122.7	145.4	169	191.8	221.6
					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	CE4B	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