

**APPENDIX I**

**HYDROLOGIC / HYDRAULIC MODEL  
PARAMETERIZATION**



Table A1 - Existing Conditions Model, Subcatchment Parameterization

Subcatchment ID	Size (ha)	Total Imeprvious (%)	Flow Length (m)	Slope (%)	% Imp Routed over Pervious	Hydraulic Conductivity (mm/hr)
120	0.09	45.7	22	2.0	25	2.5
109	0.87	37.5	45	3.4	25	2.5
118	0.08	62.0	80	5.0	25	2.5
161	0.09	91.7	20	2.0	25	2.5
162	0.14	58.9	31	2.0	25	2.5
150	0.49	44.0	40	2.0	55	2.5
149	0.43	44.9	36	2.0	55	2.5
158	0.51	54.4	80	3.8	55	2.5
145	0.11	63.8	52	0.5	55	2.5
169	1.05	30.4	150	3.0	55	2.5
168	1.02	28.3	150	3.0	55	2.5
S20	0.15	52.3	71	0.5	55	2.5
170	0.42	52.8	100	2.0	55	2.5
402	1.36	33.1	280	2.0	55	2.5
503	7.36	11.6	1000	0.5	55	2.5
504	2.69	42.3	440	0.5	55	2.5
143	0.31	55.3	22	2.0	55	2.5
137	0.31	43.2	124	3.2	55	2.5
181	3.05	25.0	112	3.2	55	2.5
129	0.39	32.7	37	5.4	25	2.5
103	1.62	24.2	175	3.4	25	2.5
101	7.91	0.0	360	3.3	25	2.5
111	0.30	45.1	32	2.0	25	2.5
119	0.18	82.1	20	2.0	25	2.5
153	0.32	48.1	30	2.0	55	2.5
501	1.17	23.6	53	0.5	55	2.5
182	1.99	14.7	103	5.1	55	2.5
151	0.65	35.2	45	2.0	55	2.5
146	0.55	50.3	40	5.0	55	2.5
144	0.69	38.8	72	2.8	55	2.5
133	0.57	30.3	40	1.2	25	2.5

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Subcatchment ID	Size (ha)	Total Imeprvious (%)	Flow Length (m)	Slope (%)	% Imp Routed over Pervious	Hydraulic Conductivity (mm/hr)
108	0.32	22.0	38	0.5	25	2.5
107	0.74	41.3	38	0.5	25	2.5
138	0.46	37.3	121	2.6	55	2.5
102	0.36	8.8	70	1.0	25	2.5
167	0.55	32.2	65	0.5	55	2.5
403	0.82	47.3	231	2.0	55	2.5
505	5.62	4.7	112	0.5	55	2.5
110	0.59	36.2	32	6.3	55	2.5
114	0.24	41.8	25	0.5	55	2.5
115	0.22	43.0	25	3.7	55	2.5
112	0.36	39.3	25	2.0	55	2.5
113	0.22	47.2	20	2.0	55	2.5
117	0.20	25.9	40	4.9	55	2.5
116	0.46	35.4	81	4.9	55	2.5
123	0.16	50.6	13	2.0	55	2.5
121	0.17	48.6	15	0.5	55	2.5
124	0.07	47.9	6	2.0	55	2.5
125	1.60	17.9	67	4.5	55	2.5
122	1.01	21.2	57	3.5	55	2.5
178	0.71	36.8	110	1.4	55	2.5
128	0.14	61.4	112	0.5	55	2.5
179	0.10	95.8	69	1.0	55	2.5
180	0.70	18.6	63	3.2	55	2.5
176	0.16	50.6	12	2.0	55	2.5
502	0.56	33.0	40	0.5	55	2.5
165	0.09	68.2	33	0.5	55	2.5
166	0.07	27.7	33	0.5	55	2.5
152	0.35	57.5	74	2.0	55	2.5
157	0.11	99.7	17	2.0	55	2.5
139	0.16	52.0	70	2.1	55	2.5
140	0.73	33.4	34	5.7	55	2.5

Table A1 - Existing Conditions Model, Subcatchment Parameterization

Subcatchment ID	Size (ha)	Total Imeprvious (%)	Flow Length (m)	Slope (%)	% Imp Routed over Pervious	Hydraulic Conductivity (mm/hr)
141	1.23	47.6	62	3.2	55	2.5
136	1.44	22.8	115	4.3	55	2.5
142	1.89	22.2	114	3.9	55	2.5
134	1.03	32.8	84	3.6	55	2.5
160	0.45	27.9	42	1.4	55	2.5
148	0.50	40.2	57	1.8	55	2.5
147	0.38	56.2	51	2.1	55	2.5
172	0.36	43.2	32	0.5	55	2.5
175	0.26	28.9	35	2.0	55	2.5
159	0.29	82.3	35	2.0	55	2.5
171	0.29	57.8	25	2.0	55	2.5
104	0.32	31.3	93	3.2	25	2.5
130	0.11	64.1	50	0.5	25	2.5
105	0.30	37.6	93	3.2	25	2.5
154	0.09	58.1	23	0.5	55	2.5
156	0.32	45.2	38	2.0	55	2.5
155	0.11	40.2	23	0.5	55	2.5
173	0.15	68.0	15	0.5	55	2.5
177	0.09	82.2	8	2.0	55	2.5
127_1	0.62	30.4	18	4.7	55	2.5
127_2	2.44	25.2	72	4.7	55	2.5
126_1	0.15	22.9	19	0.5	55	2.5
126_2	0.25	35.2	8	2.0	55	2.5
404	5.52	12.5	84	2.0	55	2.5
302_2	0.76	11.8	12	0.5	55	2.5
301_3	2.52	11.8	66	0.5	55	2.5
301_4	0.48	47.7	66	0.5	55	2.5
301_2	0.58	38.3	66	0.5	55	2.5
301_5	1.37	41.3	66	0.5	55	2.5
202_3	2.51	14.5	113	0.5	55	2.5
202_4	0.69	29.8	113	0.5	55	2.5

Table A1 - Existing Conditions Model, Subcatchment Parameterization

Subcatchment ID	Size (ha)	Total Imepvious (%)	Flow Length (m)	Slope (%)	% Imp Routed over Pervious	Hydraulic Conductivity (mm/hr)
202_2	1.30	0.7	113	0.5	55	2.5
202_1	0.63	0.0	113	0.5	55	2.5
202_6	0.69	0.1	113	0.5	55	2.5
135_1	0.54	29.4	123	3.7	55	2.5
135_2	0.22	43.4	123	3.7	55	2.5
S1	1.67	24.0	300	3.3	55	2.5
401_1	0.32	21.2	80	2.0	55	2.5
401_2	0.85	24.2	80	2.0	55	2.5
132_2	0.33	20.4	40	1.5	25	2.5
132_3	0.12	34.8	65	1.5	25	2.5
S2	0.07	30.2	34	2.1	25	2.5
131_1	0.15	17.9	80	2.0	25	2.5
131_2	0.14	43.6	40	2.0	25	2.5
106_2	0.51	17.1	93	4.2	25	2.5
106_3	0.32	14.3	93	4.2	25	2.5
106_4	0.22	45.9	93	4.2	25	2.5
164_1	0.04	63.8	10	2.0	25	2.5
164_2	0.04	70.9	10	2.0	25	2.5