

APPENDIX B

Facility	100 Year	Area (ha)	impervious - ness (%)	Impervious Area (ha)	Total DS	Facility Area (ha)	Percent of Total Area
	Depth				m ³		
A1	2.5	17.57	60.51%	10.63	15105	1.29	7.4
A2	2.5	13.39	60.08%	8.04	11458	1.06	7.9
6	2.5	36.15	66.85%	24.17	33198	2.38	6.6
A4	2.5	35.35	58.39%	20.64	29699	2.18	6.2
A5A	2.5	29.31	61.08%	17.90	25353	1.92	6.6
A5B	2.5	22.61	62.99%	14.24	19957	1.59	7.0
A7	2.5	10.79	71.77%	7.74	10400	0.99	9.2
B1	2.5	12.43	55.71%	6.93	5172	0.61	4.9
B2	2.5	41.71	63.44%	26.46	19529	1.57	3.8
B3	2.5	5.65	60.84%	3.44	2546	0.39	7.0
C1	2.5	12.77	50.03%	6.39	8942	0.88	6.9
C2	2.5	45.44	58.18%	26.44	34782	2.46	5.4
X	2.5	5.24	60.00%	3.14	4087	0.53	10.1
D1	2.5	18.27	61.63%	11.26	5630	0.65	3.6
E1	2.5	21.18	73.49%	15.56	12452	1.13	5.3

Tributary	ED (m3/ha)	100 Yr unit (m3/imp. Ha)
A	300	925
B	40	675
C	300	800
D	0	500
E	0	800



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Facility	Regional	Area (ha)	impervious - ness (%)	Impervious Area (ha)	Total DS	Facility Area (ha)	Percent of Total Area
	Depth				m ³		
A1	3.5	17.57	60.51%	10.63	19091	1.30	7.4
A2	3.5	13.39	60.08%	8.04	14474	1.07	8.0
6	3.5	36.15	66.85%	24.17	42260	2.35	6.5
A4	3.5	35.35	58.39%	20.64	37440	2.14	6.1
A5A	3.5	29.31	61.08%	17.90	32067	1.91	6.5
A5B	3.5	22.61	62.99%	14.24	25298	1.61	7.1
A7	3.5	10.79	71.77%	7.74	13305	1.01	9.4
B1	3.5	12.43	55.71%	6.93	8115	0.73	5.8
B2	3.5	41.71	63.44%	26.46	30775	1.85	4.4
B3	3.5	5.65	60.84%	3.44	4007	0.47	8.4
C1	3.5	12.77	50.03%	6.39	11498	0.92	7.2
C2	3.5	45.44	58.18%	26.44	45357	2.49	5.5
X	3.5	5.24	60.00%	3.14	5345	0.57	10.8
D1	3.5	18.27	61.63%	11.26	6193	0.62	3.4
E1	3.5	21.18	73.49%	15.56	21791	1.43	6.7

Tributary	ED (m3/ha)	Reg unit (m3/imp. Ha)
A	300	1300
B	40	1100
C	300	1200
D	0	550
E	0	1400

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Facility	Area (ha)	impervious - ness (%)	Impervious Area (ha)	AECOM		WOOD		Difference (%)	
				100 Yr Total DS	Facility Area (ha)	100 Yr Total DS	Facility Area (ha)	100 Yr Total DS	Facility Area (ha)
				m ³		m ³		m ³	
A1	17.57	60.51%	10.63	17258	1.43	15105	1.29	-12.48%	-9.73%
A2	13.39	60.08%	8.04	13350	1.18	11458	1.06	-14.17%	-10.76%
6	36.15	66.85%	24.17	36042	2.54	33198	2.38	-7.89%	-6.59%
A4	35.35	58.39%	20.64	35244	2.49	29699	2.18	-15.73%	-12.47%
A5A	29.31	61.08%	17.90	29222	2.15	25353	1.92	-13.24%	-10.68%
A5B	22.61	62.99%	14.24	22542	1.76	19957	1.59	-11.47%	-9.53%
A7	10.79	71.77%	7.74	10758	1.01	10400	0.99	-3.32%	-2.17%
B1	12.43	55.71%	6.93	7955	0.82	5172	0.61	-34.99%	-25.32%
B2	41.71	63.44%	26.46	26694	2.00	19529	1.57	-26.84%	-21.58%
B3	5.65	60.84%	3.44	3616	0.49	2546	0.39	-29.58%	-18.97%
C1	12.77	50.03%	6.39	13434	1.18	8942	0.88	-33.43%	-25.40%
C2	45.44	58.18%	26.44	47803	3.19	34782	2.46	-27.24%	-22.99%
X	5.24	60.00%	3.14	5512	0.64	4087	0.53	-25.86%	-17.58%
D1	18.27	61.63%	11.26	19713	1.58	5630	0.65	-71.44%	-58.85%
E1	21.18	73.49%	15.56	22705	1.76	12452	1.13	-45.16%	-36.06%

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Facility	Area (ha)	Impervious - ness (%)	Impervious Area (ha)	AECOM		WOOD		Difference (%)	
				Reg Total DS	Facility Area (ha)	Reg Total DS	Facility Area (ha)	Reg Total DS	Facility Area (ha)
				m ³		m ³		m ³	
A1	17.57	60.51%	10.63	34499	2.02	19091	1.30	-44.66%	-35.54%
A2	13.39	60.08%	8.04	26686	1.66	14474	1.07	-45.76%	-35.63%
6	36.15	66.85%	24.17	72047	3.59	42260	2.35	-41.34%	-34.44%
A4	35.35	58.39%	20.64	70453	3.53	37440	2.14	-46.86%	-39.30%
A5A	29.31	61.08%	17.90	58415	3.04	32067	1.91	-45.10%	-37.24%
A5B	22.61	62.99%	14.24	45062	2.47	25298	1.61	-43.86%	-35.02%
A7	10.79	71.77%	7.74	21504	1.42	13305	1.01	-38.13%	-28.52%
B1	12.43	55.71%	6.93	15736	1.14	8115	0.73	-48.43%	-36.29%
B2	41.71	63.44%	26.46	52805	2.80	30775	1.85	-41.72%	-34.02%
B3	5.65	60.84%	3.44	7153	0.68	4007	0.47	-43.98%	-30.32%
C1	12.77	50.03%	6.39	25234	1.59	11498	0.92	-54.43%	-41.98%
C2	45.44	58.18%	26.44	89789	4.31	45357	2.49	-49.49%	-42.29%
X	5.24	60.00%	3.14	10354	0.86	5345	0.57	-48.38%	-34.00%
D1	18.27	61.63%	11.26	45803	2.51	6193	0.62	-86.48%	-75.19%
E1	21.18	73.49%	15.56	52908	2.80	21791	1.43	-58.81%	-49.02%