APPENDIX C

Total and Effective Impervious Surface Areas

APPENDIX C

Impervious Surface Area Calculations

		Corridor Alternative		East Alternative	
Sub-Basin	Receiving Water	Total Imp. Area (sqft)	Effective Imp. Area (sqft)	Total Imp. Area (sqft)	Effective Imp. Area (sqft)
101A	Bear Creek	13,966	12,166	13,966	12,166
102A	Unconcentrated flow	54,270	0	54,272	0
103A	Unconcentrated flow	35,229	0	35,227	0
104A	Wetland 34A/Unnamed Stream	17,420	10,820	17,422	10,822
105A	Unnamed Stream	8,204	5,564	8,205	5,565
106A	Wetland 34A	5,109	3,879	5,108	3,878
107A	Wetland 34A	15,436	10,786	15,436	10,786
108A	Stream 0143A	2,124	2,124	2,124	2,124
109A	No Stream	7,494	6,534	7,494	6,534
110A	No Stream	10,488	8,058	10,488	8,058
111A	No Stream	6,597	4,497	6,597	4,497
112A	Unnamed Stream	5,612	3,992	5,611	3,991
113A	Unnamed Stream	16,930	11,110	16,939	11,119
114A	Unnamed Stream	8,965	6,505	7,984	7,984
115A	No Stream	16,490	11,600	16,699	11,809
116A	Stream 0143B	10,981	10,981	10,953	10,953
117A	Stream 0143D; Wetland 32A	22,721	17,171	22,750	17,170
118A	Stream 0143E	5,848	5,848	5,848	5,848
119A	Stream 0143F	8,449	6,529	8,449	6,529
120A	Stream 0143G	10,973	7,913	10,962	8,382
121A	Unconcentrated flow	15,565	15,565[a]	20,305	20,305[a]
122A	Stream 0143M	15,317	15,317[a]	15,312	15,312
123A	Stream 0143H Unnamed Stream	34,002	34,002[a]	34,006	34,006[a]
124A	Unnamed Stream	10,281	Needs Analysis	10,281	Needs Analysis
125A	Unnamed Stream	7,185	7,185	7,185	7,185
126A	Stream 0143I	1,375	1,375	1,375	1,375
127A	Stream 0143J	6,972	6,072	6,972	5,892
128A	Unconcentrated flow	15,604	0	16,044	16,044
129A	Stream 0143K	17,402	14,822	10,625	10,625
130A	Stream 0143L; Wetland 30B	15,594	11,574	13,505	13,505
131A	No Stream	7,367	7,367	5,423	5,423
132A	Unnamed Stream	5,738	5,738	4,153	4,153
133A	Unnamed Stream	3,425	3,425	3,904	3,904
134A	Unnamed Stream	5,958	5,958	5,425	5,425
135A	Unnamed Stream	10,910	10,910	12,605	12,605
136A	George Davis Creek	8,460	8,460	6,017	6,017
137A	piped to lake	8,114	8,114	7,710	7,710
138A	Unnamed Stream	2,566	2,566	2,614	2,614
139A	Zaccuse Creek; Wetland 26A, 26B, 26C	25,991	17,621	26,045	18,215
140A	Ebright Creek; Wetland 25C, 25D	17,270	9,350	17,402	9,242
141A	Stream 0150A; Wetland 25A, 25B	23,300	16,760	23,294	17,324
142A	Piped to Lake, Wetland 24D, 24C	13,593	7,383	13,507	9,517
143A	Stream 0155	9,656	9,656	9,490	9,490
144A	Pine Lake Creek	4,707	3,267	4,961	4,961
145A	No Stream	12,887	11,087	12,159	12,159

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		Corridor Alternative		East Alternative	
Sub-Basin	Receiving Water	Total Imp. Area (sqft)	Effective Imp. Area (sqft)	Total Imp. Area (sqft)	Effective Imp. Area (sqft)
146A	Unnamed Stream	9,487	9,487	8,053	8,053
147A	No Stream	4,491	4,491	3,773	3,773
148A	Unnamed Stream	12,577	8,317	12,694	12,694
149A	No Stream	2,564	2,564	890	890
150A	No Stream	2,050	2,050	1,606	1,606
151A	Wetland 19B	21,639	16,239	14,207	14,207
152A	Unconcentrated Flow	7,710	5,310	2,371	2,371
153A	Wetland 18C	11,000	7,100	10,153	10,153
154A	Piped to Lake	10,183	9,283	5,828	5,828
155A	Unnamed Stream	11,131	11,131	8,880	8,880
156A	No Stream	3,806	3,806	2,819	2,819
157A	No Stream	20,652	12,852	7,188	7,188
158A	Piped to Lake	12,502	12,502	11,365	11,365
159A	Stream 0162A	15,852	10,992	8,503	8,503
160A	Unconcentrated Flow	41,848	0	36,399	0
161A	Unnamed Stream	33,723	17,343	32,336	18,716
162A	Wetland 12A	3,832	2,362	3,185	3,185
163A	Stream 0163 and 0163 Tributary	3,613	3,613	5,208	5,208
164A	Unconcentrated Flow	8,027	5,297	4,387	4,387
165A	Wetland 13A	18,973	12,283	19,628	13,328
166A	Unnamed Stream	10,036	10,036	10,036	10,036
167A	Many Springs	12,798	12,798	12,312	12,312
168A	Laughing Jacobs	9,298	9,298	9,203	9,203
169A	Wetland 1A	4,458	4,458	4,458	4,458
170A	Wetland 4D, 4E	31,398	31,398	31,398	31,398
171A	Wetand 4D, 4E	3,669	3,669	3,669	3,669
172A	Unnamed Stream	57,574	57,574	57,574	57,574
173A	Unnamed Stream/Wetland 8A, 8B, 8C, 7A	28,356	20,376	28,356	20,376
174A	N.F. Issaquah Ck/Wetland 10A, 9A, 9B	26,736	22,536	26,736	22,536
175A	Ditch/Wetland 10C	20,631	20,631	20,631	20,631
Total (acres)		23.9	15.3	22.4	15.7

[a] Needs additional analysis to determine the amount of effective impervious surface, for the puroposes of this analysis it was assumed that all new impervious surface is effective.