

Appendix F: Impervious Areas

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PURPOSE

An estimate of impervious surface coverage by sub-basin was conducted to quantitatively measure differences in environmental impacts among proposed land use planning alternatives.

METHODS

Methods for calculating the anticipated impervious surface coverage under each of the alternatives were based on those developed for the 2006 Draft Comprehensive Plan EIS (Jones and Stokes et al. 2006). Methods are summarized below.

1. Calculate total acres by classification for each alternative.
2. Identify likely critical areas and generalized buffers from total acreage based on Exhibit 1.

Exhibit 1. Area reductions applied for critical areas and generalized buffer

Critical Area	Generalized Standard Buffer	Basis for generalized buffer	Area reduction applied to total
Marine shorelines	50 feet	KCC 22.400.120.B Standard buffer for High Intensity, reduced buffer for Shoreline Residential, max reduced buffer for Urban Conservancy	75%
Type S freshwater waterbodies	200 feet	KCC 22.400.120 B	75%
Type F streams	150 feet	KCC 19.300.315	75%
Type N streams	50 feet	KCC 19.300.315	75%
Wetlands	110 feet	KCC 19.200.220 Category III, moderate function, and moderate land use intensity	75%
Geologically hazardous areas	40 feet	KCC 19.400.415.C	75% for high hazard; 50% for "Areas of Concern"
Floodways	No buffer	KCC 19.500.505 and KCC 15.12.120	75%

3. Merge critical area features and buffers. Where features overlap, the larger buffer was used.
4. Apply designated reduction to total critical area coverage.
5. Deduct adjusted critical area coverage from total area.
6. Overlay zoning in each basin.
7. Apply impervious surface estimates by zoning. Estimates were generally based on assumptions in the 2006 EIS, but estimates were adjusted to correlate to zoning, rather than to comprehensive plan designation, as used in the 2006 EIS (Exhibit 2).

Exhibit 2. Impervious Surface Assumptions

Zoning Description	Low Impervious Estimate	High Impervious Estimate
Business Center	0.85	0.85
Business Park	0.85	0.85
Incorporated City ¹	0.70	0.70
Incorporated City Bainbridge	0.48	0.48
Commercial	0.85	0.85
Forest Resource Lands	0.01	0.01
Highway/Tourist Commercial	0.85	0.85
Illahee Greenbelt	0.48	0.60
Industrial	0.85	0.85
Keyport Village Commercial	0.85	0.85
Keyport Village Low Residential	0.85	0.85
Keyport Village Residential	0.85	0.85
Lake	0.00	0.00
Light Industrial	0.85	0.85
Low Intensity Commercial	0.85	0.85
Military	0.48	0.60
Military PSNS	0.85	0.85
Manchester Village Commercial	0.85	0.85
Manchester Village Low Residential	0.40	0.60
Manchester Village Residential	0.40	0.60
Mixed Use	0.85	0.85
Neighborhood Commercial	0.85	0.85
Park	0.03	0.15
Public Facility	0.65	0.65
Regional Center	0.85	0.85
Rural Commercial	0.85	0.85
Rural Employment Center	0.60	0.85
Rural Historic Town Commercial	0.85	0.85
Rural Historic Town Residential	0.60	0.60
Rural Historic Town Waterfront	0.85	0.85
Rural Industrial	0.85	0.85
Residential Low	0.40	0.60
Rural Protection	0.05	0.05
Rural Residential	0.10	0.10
Rural Wooded	0.02	0.02
Senior Living Homestead	0.48	0.60
Suquamish Village Commercial	0.85	0.85

¹ Post-hoc analysis applied an impervious cover of 0.01 to City of Bremerton utility lands managed for watershed purposes.

Zoning Description	Low Impervious Estimate	High Impervious Estimate
Suquamish Village Low Residential	0.40	0.60
Suquamish Village Residential	0.40	0.60
Salt Water	0.00	0.00
Tribal Land	0.48	0.48
Twelve Trees Employment Center	0.60	0.85
Urban Cluster Residential	0.48	0.60
Urban High Residential	0.85	0.85
Urban Low Residential	0.48	0.60
Urban Medium Residential	0.60	0.85
Urban Reserve	0.05	0.05
Urban Restricted	0.15	0.48
Urban Village Center	0.85	0.85

Source: Jones and Stokes et al. 2006; BERK 2015

RESULTS

Results of the impervious surface analysis are presented in Exhibits 3 through 6 below.

Exhibit 3. Estimated (Low and High) Impervious Surface Coverage for Each Alternative by Basin

Basin	Total Acreage	Alternative 1				Alternative 2				Alternative 3			
		Low Estimate		High Estimate		Low Estimate		High Estimate		Low Estimate		High Estimate	
		Area	%	Area	%	Area	%	Area	%	Area	%	Area	%
Bainbridge Island	17,379	5,814	33.5%	5,814	33.5%	5,814	48.8%	5,814	48.8%	5,814	48.8%	5,814	48.8%
Blackjack Creek	23,414	6,953	27.9%	7,231	29.1%	6,673	28.5%	6,954	29.7%	6,661	28.5%	6,935	29.6%
Chico	15,423	3,349	21.4%	3,476	22.2%	3,491	21.8%	3,699	23.4%	3,503	21.9%	3,718	23.5%
East/Southwest Kitsap	10,663	2,495	23.4%	2,495	23.4%	2,495	23.4%	2,495	23.4%	2,495	23.4%	2,495	23.4%
Elgin	21,519	2,148	10.0%	2,285	10.6%	2,119	9.8%	2,287	10.6%	2,142	10.0%	2,311	10.7%
Northwest Kitsap	27,818	4,050	14.6%	4,703	16.9%	4,186	15.0%	4,882	17.5%	4,201	15.1%	4,901	17.6%
Poulsbo	37,689	5,480	14.4%	5,773	15.2%	5,748	15.2%	6,052	16.1%	5,741	15.2%	6,086	16.1%
Puget	32,580	2,734	8.2%	3,119	9.3%	2,706	8.3%	3,073	9.4%	2,697	8.3%	3,057	9.4%
Puget (island)	464	38	8.2%	38	8.2%	38	8.2%	38	8.2%	38	8.2%	38	8.2%
Silverdale	22,858	7,048	28.7%	8,396	34.5%	7,004	30.6%	8,285	36.2%	7,280	31.8%	8,696	38.0%
Southwest Kitsap	12,008	182	1.5%	182	1.5%	182	1.5%	182	1.5%	182	1.5%	182	1.5%
West Kitsap	31,831	1,459	4.6%	1,515	4.8%	1,476	4.6%	1,544	4.8%	1,484	4.7%	1,552	4.9%
Grand Total	253,645	41,750	16.0%	45,028	17.3%	41,932	17.5%	45,304	18.9%	42,239	17.6%	45,785	19.1%

Source: Kitsap County GIS; The Watershed Company 2015

Exhibit 4 Alternative 1 (No Action) Impervious Surface Estimates (Low and High) by Zoning and Basin

Basin No Action Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Bainbridge Island	17,379	5,814	5,814
Incorporated City Bainbridge	17,379	5,814	5,814
Blackjack Creek	23,414	6,953	7,231
Business Center	101	82	82
Forest Resource Lands	109	0	0
Incorporated City	172	117	117
Industrial	10,554	4,911	4,911
Low Intensity Commercial	181	89	89
Neighborhood Commercial	62	28	28
Park	376	250	250
Rural Commercial	17	14	14
Rural Protection	341	7	34
Rural Residential	25	14	14
Rural Wooded	1,590	49	49
Urban High Residential	5,489	404	404
Urban Low Residential	279	3	3
Urban Medium Residential	5	5	5
Urban Restricted	2,118	864	1,080
(blank)	125	55	78
Chico	1,804	57	57
Forest Resource Lands	65	5	17
Incorporated City	15,423	3,349	3,476
Industrial	1,607	8	8
Lake	61	31	31
Military	4,459	2,211	2,211
Military PSNS	62	39	39
Park	358	0	0
Rural Commercial	722	449	488
Rural Industrial	18	13	13
Rural Residential	143	4	18
Rural Wooded	61	44	44
Urban Low Residential	10	5	5
Urban Medium Residential	3,042	226	226
(blank)	3,678	46	46
East/Southwest Kitsap	663	210	263
Business Center	145	52	74

Basin No Action Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Forest Resource Lands	393	10	10
Incorporated City	10,663	2,495	2,495
Industrial	37	26	26
Lake	468	2	2
Rural Protection	5,139	2,281	2,281
Rural Residential	64	52	52
Rural Wooded	99	0	0
Elgin	2,194	73	73
Business Center	590	36	36
Incorporated City	2,070	24	24
Lake	21,519	2,148	2,285
Park	44	21	21
Rural Commercial	1,899	1,146	1,146
Rural Industrial	175	0	0
Rural Residential	1,416	34	171
Rural Wooded	0	0	0
Northwest Kitsap	117	95	95
Incorporated City	8,603	703	703
Industrial	9,265	149	149
Military	27,818	4,050	4,703
Neighborhood Commercial	1	0	0
Park	53	25	25
Rural Commercial	5,065	2,263	2,828
Rural Employment Center	16	11	11
Rural Historic Town Commercial	76	2	8
Rural Historic Town Residential	7	5	5
Rural Historic Town Waterfront	285	143	202
Rural Industrial	14	10	10
Rural Protection	72	36	36
Rural Residential	35	21	21
Rural Wooded	10	7	7
Tribal Land	1,617	48	48
Twelve Trees Employment Center	11,217	884	884
Poulsbo	7,998	116	116
Incorporated City	1,238	428	428
Industrial	115	51	73
Keyport Village Commercial	37,689	5,480	5,773
Keyport Village Low Residential	53	41	41
Keyport Village Residential	2,996	1,714	1,714

Basin No Action Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Light Industrial	25	15	15
Military	11	9	9
Neighborhood Commercial	33	21	21
Park	27	20	20
Residential Low	36	29	29
Rural Commercial	411	168	210
Rural Employment Center	50	33	33
Rural Industrial	720	13	66
Rural Protection	392	156	195
Rural Residential	31	19	19
Rural Wooded	6	4	5
Salt Water	63	45	45
Suquamish Village Commercial	6,182	193	193
Suquamish Village Low Residential	19,937	1,506	1,506
Suquamish Village Residential	2,493	33	33
Tribal Land	2	0	0
Urban Cluster Residential	14	12	12
Urban High Residential	131	44	66
Urban Low Residential	235	88	132
Urban Medium Residential	2,887	990	990
Urban Restricted	330	99	124
Urban Village Center	10	7	7
(blank)	383	139	173
Puget	95	41	59
Industrial	92	7	22
Lake	45	34	34
Manchester Village Commercial	32,580	2,734	3,119
Manchester Village Low Residential	89	73	73
Manchester Village Residential	2	1	1
Military	330	0	0
Neighborhood Commercial	9	7	7
Park	585	185	278
Rural Commercial	482	169	254
Rural Industrial	265	98	123
Rural Protection	6	4	4
Rural Residential	6	5	5
Salt Water	858	21	106
Urban High Residential	30	24	24
Urban Low Residential	34	24	24

Basin No Action Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Urban Medium Residential	9,771	310	310
Urban Restricted	19,115	1,465	1,465
(blank)	99	0	0
Puget (island)	0	0	0
Rural Residential	818	331	414
Silverdale	26	11	16
Business Center	57	5	14
Business Park	464	38	38
Illahee Greenbelt	464	38	38
Incorporated City	22,858	7,048	8,396
Industrial	226	139	139
Lake	5	4	4
Military	307	212	212
Neighborhood Commercial	600	172	216
Park	1,891	1,027	1,027
Regional Center	366	233	233
Rural Commercial	45	0	0
Rural Industrial	1,818	819	1,024
Rural Protection	339	223	223
Rural Residential	81	62	62
Urban High Residential	894	20	101
Urban Low Residential	665	479	479
Urban Medium Residential	28	12	12
Urban Restricted	10	8	8
(blank)	594	23	23
Southwest Kitsap	6,762	516	516
Forest Resource Lands	180	59	74
Incorporated City	490	386	386
Lake	5,646	2,273	2,841
Rural Protection	447	227	322
Rural Residential	1,464	155	497
Rural Wooded	12,008	182	182
West Kitsap	973	4	4
Industrial	7	2	2
Lake	226	0	0
Military	401	13	13
Park	475	33	33
Rural Commercial	9,926	130	130
Rural Protection	31,831	1,459	1,515

Basin No Action Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Rural Residential	249	193	193
Rural Wooded	59	0	0
Salt Water	42	15	19
Urban Low Residential	248	6	30
Grand Total	253,645	41,750	45,028

Source: Kitsap County GIS; The Watershed Company 2015

Exhibit 5. Alternative 2 Impervious Surface Estimates (Low and High) by Zoning and Basin

Basin Alternative 2 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Bainbridge Island	17,379	5,814	5,814
Incorporated City	17,379	5,814	5,814
Blackjack Creek	23,415	6,673	6,954
Business Center	101	82	82
Commercial	165	108	108
Forest Resource Lands	109	0	0
Incorporated City	10,554	4,911	4,911
Industrial	111	55	55
Low Intensity Commercial	62	28	28
Neighborhood Commercial	17	14	14
Park	533	12	60
Public Facility	98	63	63
Rural Commercial	44	26	26
Rural Industrial	37	24	24
Rural Protection	3,230	97	97
Rural Residential	6,124	458	458
Rural Wooded	279	3	3
Urban High Residential	5	5	5
Urban Low Residential	1,534	620	775
Urban Medium Residential	357	161	228
Urban Restricted	55	5	15
Chico	15,423	3,491	3,699
Commercial	78	44	44
Forest Resource Lands	1,607	8	8
Incorporated City	4,459	2,211	2,211
Industrial	105	49	49

Basin Alternative 2 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Lake	358	0	0
Military	722	449	488
Park	734	15	77
Public Facility	26	11	11
Rural Commercial	62	45	45
Rural Industrial	10	5	5
Rural Protection	176	4	4
Rural Residential	2,935	218	218
Rural Wooded	2,956	36	36
Urban Low Residential	1,051	343	429
Urban Medium Residential	144	52	74
East/Southwest Kitsap	10,663	2,495	2,495
Business Center	37	26	26
Forest Resource Lands	468	2	2
Incorporated City	5,139	2,281	2,281
Industrial	64	52	52
Lake	99	0	0
Rural Protection	2,194	73	73
Rural Residential	590	36	36
Rural Wooded	2,070	24	24
Elgin	21,519	2,119	2,287
Business Center	44	21	21
Incorporated City	1,899	1,146	1,146
Lake	175	0	0
Park	1,465	35	176
Rural Employment Center	116	66	94
Rural Industrial	2	2	2
Rural Residential	8,553	699	699
Rural Wooded	9,265	149	149
Northwest Kitsap	27,818	4,186	4,882
Incorporated City	1	0	0
Industrial	53	25	25
Military	5,065	2,263	2,828
Neighborhood Commercial	16	11	11
Park	540	12	62
Public Facility	33	19	19
Rural Commercial	7	5	5
Rural Employment Center	285	143	202
Rural Historic Town Commercial	14	10	10

Basin Alternative 2 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Rural Historic Town Residential	72	36	36
Rural Historic Town Waterfront	35	21	21
Rural Industrial	10	7	7
Rural Protection	1,614	48	48
Rural Residential	11,171	879	879
Rural Wooded	7,188	104	104
Tribal Land	1,601	550	550
Twelve Trees Employment Center	115	51	73
Poulsbo	37,689	5,748	6,052
Commercial	53	41	41
Incorporated City	2,996	1,714	1,714
Industrial	25	15	15
Keyport Village Commercial	11	9	9
Keyport Village Low Residential	33	21	21
Keyport Village Residential	27	20	20
Light Industrial	36	29	29
Military	413	169	211
Neighborhood Commercial	58	37	37
Park	1,023	19	95
Public Facility	253	118	118
Residential Low	392	156	195
Rural Commercial	25	17	17
Rural Employment Center	6	4	5
Rural Industrial	55	38	38
Rural Protection	6,370	200	200
Rural Residential	18,889	1,428	1,428
Rural Wooded	2,211	29	29
Salt Water	2	0	0
Suquamish Village Commercial	3	3	3
Suquamish Village Low Residential	123	41	62
Suquamish Village Residential	235	88	132
Tribal Land	3,599	1,259	1,259
Urban Cluster Residential	330	99	124
Urban High Residential	10	7	7
Urban Low Residential	308	112	140
Urban Medium Residential	78	36	52
Urban Restricted	79	6	19
Urban Village Center	45	34	34

Basin Alternative 2 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Puget	32,580	2,706	3,073
Commercial	30	26	26
Lake	330	0	0
Manchester Village Commercial	9	7	7
Manchester Village Low Residential	585	185	278
Manchester Village Residential	469	164	246
Military	265	98	123
Neighborhood Commercial	6	5	5
Park	896	21	105
Public Facility	86	50	50
Rural Commercial	55	46	46
Rural Industrial	42	30	30
Rural Protection	9,888	315	315
Rural Residential	19,050	1,463	1,463
Salt Water	99	0	0
Urban High Residential	0	0	0
Urban Low Residential	699	279	349
Urban Medium Residential	26	11	16
Urban Restricted	45	4	13
Puget (island)	464	38	38
Rural Residential	464	38	38
Silverdale	22,858	7,004	8,285
Business Center	181	105	105
Business Park	5	4	4
Commercial	542	371	371
Illahee Greenbelt	787	213	266
Incorporated City	1,891	1,027	1,027
Industrial	488	315	315
Lake	45	0	0
Military	1,820	821	1,026
Neighborhood Commercial	70	54	54
Park	771	18	89
Public Facility	297	172	172
Regional Center	687	514	514
Rural Commercial	31	15	15
Rural Industrial	10	8	8
Rural Protection	1,303	44	44
Rural Residential	6,469	502	502
Urban Cluster Residential	180	59	74

Basin Alternative 2 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Urban High Residential	512	379	379
Urban Low Residential	4,855	2,002	2,503
Urban Medium Residential	442	228	323
Urban Restricted	1,471	155	495
Southwest Kitsap	12,008	182	182
Forest Resource Lands	973	4	4
Incorporated City	7	2	2
Lake	226	0	0
Rural Protection	401	13	13
Rural Residential	475	33	33
Rural Wooded	9,926	130	130
West Kitsap	31,831	1,476	1,544
Industrial	249	193	193
Lake	59	0	0
Military	42	15	19
Park	377	9	44
Public Facility	23	14	14
Rural Commercial	15	12	12
Rural Protection	7,065	217	217
Rural Residential	9,869	719	719
Rural Wooded	13,867	181	181
Salt Water	0	0	0
Urban Low Residential	265	116	144
Grand Total	253,646	41,932	45,304

Source: Kitsap County GIS; The Watershed Company 2015

Exhibit 6. Alternative 3 Impervious Surface Estimates (Low and High) by Zoning and Basin

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Bainbridge Island	17,379	5,814	5,814
Incorporated City	17,379	5,814	5,814
Blackjack Creek	23,414	6,661	6,935
Business Center	101	82	82
Commercial	168	110	110
Forest Resource Lands	109	0	0
Incorporated City	10,554	4,911	4,911
Industrial	14	10	10

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Low Intensity Commercial	62	28	28
Neighborhood Commercial	17	14	14
Park	533	12	60
Public Facility	98	63	63
Rural Commercial	44	26	26
Rural Industrial	37	24	24
Rural Protection	3,230	97	97
Rural Residential	6,010	450	450
Rural Wooded	279	3	3
Urban High Residential	5	5	5
Urban Low Residential	1,964	766	957
Urban Medium Residential	125	55	78
Urban Restricted	64	5	17
Chico	15,423	3,503	3,718
Commercial	78	44	44
Forest Resource Lands	1,607	8	8
Incorporated City	4,459	2,211	2,211
Industrial	107	51	51
Lake	358	0	0
Military	722	449	488
Park	734	15	77
Public Facility	26	11	11
Rural Commercial	67	47	47
Rural Industrial	10	5	5
Rural Protection	176	4	4
Rural Residential	2,923	217	217
Rural Wooded	2,956	36	36
Urban Low Residential	7	3	4
Urban Medium Residential	964	316	395
East/Southwest Kitsap	47	17	24
Business Center	182	69	98
Forest Resource Lands	10,663	2,495	2,495
Incorporated City	37	26	26
Industrial	468	2	2
Lake	5,139	2,281	2,281
Rural Protection	64	52	52
Rural Residential	99	0	0
Rural Wooded	2,194	73	73

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Elgin	590	36	36
Business Center	2,070	24	24
Incorporated City	21,519	2,142	2,311
Lake	44	21	21
Park	1,899	1,146	1,146
Rural Employment Center	175	0	0
Rural Industrial	1,465	35	176
Rural Residential	116	66	94
Rural Wooded	2	2	2
Northwest Kitsap	8,939	729	729
Incorporated City	8,879	143	143
Industrial	27,818	4,201	4,901
Military	1	0	0
Park	102	46	46
Public Facility	5,065	2,263	2,828
Rural Commercial	540	12	62
Rural Employment Center	33	19	19
Rural Historic Town Commercial	7	5	5
Rural Historic Town Residential	301	151	213
Rural Historic Town Waterfront	14	10	10
Rural Industrial	72	36	36
Rural Protection	35	21	21
Rural Residential	10	7	7
Rural Wooded	1,614	48	48
Tribal Land	11,121	877	877
Twelve Trees Employment Center	7,188	104	104
Poulsbo	1,601	550	550
Commercial	115	51	73
Incorporated City	37,689	5,741	6,086
Industrial	53	41	41
Keyport Village Commercial	2,996	1,714	1,714
Keyport Village Low Residential	25	15	15
Keyport Village Residential	11	9	9
Light Industrial	33	21	21
Military	27	20	20
Neighborhood Commercial	36	29	29
Park	413	169	211
Public Facility	24	16	16
Residential Low	1,019	19	94

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Rural Commercial	155	77	77
Rural Employment Center	392	156	195
Rural Industrial	30	21	21
Rural Protection	41	18	26
Rural Residential	106	65	65
Rural Wooded	6,351	200	200
Salt Water	18,796	1,422	1,422
Suquamish Village Commercial	2,211	29	29
Suquamish Village Low Residential	2	0	0
Suquamish Village Residential	3	3	3
Tribal Land	123	41	62
Urban Cluster Residential	235	88	132
Urban High Residential	3,599	1,259	1,259
Urban Low Residential	330	99	124
Urban Medium Residential	10	7	7
Urban Restricted	308	112	140
Urban Village Center	78	36	52
Puget	237	22	70
Commercial	45	34	34
Lake	32,580	2,697	3,057
Manchester Village Commercial	89	73	73
Manchester Village Low Residential	330	0	0
Manchester Village Residential	9	7	7
Military	585	185	278
Neighborhood Commercial	469	164	246
Park	265	98	123
Public Facility	6	5	5
Rural Commercial	896	21	105
Rural Industrial	86	50	50
Rural Protection	30	24	24
Rural Residential	36	25	25
Salt Water	9,969	318	318
Urban High Residential	19,048	1,462	1,462
Urban Low Residential	99	0	0
Urban Medium Residential	0	0	0
Urban Restricted	593	248	310
Puget (island)	26	11	16
Rural Residential	45	4	13

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Silverdale	464	38	38
Business Center	464	38	38
Business Park	22,858	7,280	8,696
Commercial	167	97	97
Illahee Greenbelt	5	4	4
Incorporated City	2	1	1
Industrial	494	339	339
Lake	889	254	318
Military	1,891	1,027	1,027
Neighborhood Commercial	622	408	408
Park	45	0	0
Public Facility	1,820	821	1,026
Regional Center	70	54	54
Rural Commercial	771	18	89
Rural Industrial	297	172	172
Rural Protection	770	566	566
Rural Residential	29	14	14
Urban Cluster Residential	10	8	8
Urban High Residential	967	34	34
Urban Low Residential	5,633	440	440
Urban Medium Residential	180	59	74
Urban Restricted	504	373	373
Southwest Kitsap	521	178	223
Forest Resource Lands	4,827	1,993	2,491
Incorporated City	442	228	323
Lake	1,900	193	617
Rural Protection	12,008	182	182
Rural Residential	973	4	4
Rural Wooded	7	2	2
West Kitsap	226	0	0
Industrial	401	13	13
Lake	475	33	33
Military	9,926	130	130
Park	31,831	1,484	1,552
Public Facility	261	203	203
Rural Commercial	59	0	0
Rural Protection	42	15	19
Rural Residential	377	9	44
Rural Wooded	23	14	14

Basin Alternative 3 Zoning	Total Area (Acres)	Low Impervious Surface Estimate (Acres)	High Impervious Surface Estimate (Acres)
Salt Water	15	12	12
Urban Low Residential	7,065	217	217
Grand Total	253,645	42,239	45,785

Source: Kitsap County GIS; The Watershed Company 2015