

# Changes in Operable Acres Used in the School District Analysis

The potential impact of the marbled murrelet long-term conservation strategy alternatives on school districts that have high proportions of low-income or minority student enrollment were evaluated using changes in operable acres (acres available for harvest) from the no action alternative (Alternative A) within a school district's taxing area. An explanation of how operable acres are calculated is available in Appendix M, "Data and Assumptions Used in the Socioeconomics Analysis."

Tables M-1 and M-2 present the percent change in operable acres for each action alternative from the no action alternative for school districts within the analysis area that have State Forest Purchase Lands or State Forest Transfer Lands within their taxing district(s). A few school districts that have raw acres of State Forest Purchase Lands or State Forest Transfer Lands within their taxing district, but little to no operable acres, were included in the analysis and also included in this appendix. Nine school districts had taxing districts within two counties; the acreage and subsequent changes in operable acres were calculated for these school district by combining the taxing district data. Student enrollment data for the 2017 through 2018 school year was obtained from the State of Washington Office of Superintendent of Public Instruction's Report Card report.

Table M-1. 2017 through 2018 School Year Low-Income and Minority Student Enrollment and Percent Change in Operable Acres From the No Action Alternative (Alternative A) for School Districts With State Forest Purchase Lands Within the Analysis Area

County	School district	Alternative A State Forest Purchase operable acres	2017-2018 Minority student enrollment (% of total student enrollment)	2017-2018 Low-income student enrollment (% of total student enrollment)	Action alternative % change in operable acres from Alternative A						
					Alt. B	Alt. C	Alt. D	Alt. E	Alt. F	Alt. G	Alt. H
Clallam	Sequim	135	23%	49%	14.0%	-4.6%	-4.6%	-4.6%	2.9%	-4.6%	-4.6%
Clallam	Quillayute Valley	2	43%	61%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grays Harbor	McCleary	1,725	11%	63%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%
Grays Harbor	Elma	12,393	31%	81%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%
Grays Harbor	Oakville	5,883	44%	80%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Jefferson	Quilcene	11	16%	23%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Kitsap	Central Kitsap	46	40%	33%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Mossyrock	2,224	31%	66%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Toledo	<1	18%	52%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Pe Ell	7	17%	55%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mason	Hood Canal	237	56%	84%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Pacific	Naselle-Grays River Valley	1,774	27%	50%	16.4%	-47.5%	-83.2%	-47.5%	-70.6%	-47.5%	-11.6%
Pacific	Willapa Valley	1,729	18%	48%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Pierce	Eatonville	1,324	16%	44%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Skagit	Conway	1	17%	22%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Snohomish	Arlington	1,054	25%	37%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Snohomish	Granite Falls	245	20%	52%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Thurston	Tumwater	7,500	28%	33%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Thurston	Olympia	1,863	32%	31%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Thurston	Rochester	6,629	33%	55%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Whatcom	Bellingham	375	33%	39%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Whatcom	Mount Baker	247	28%	59%	0.0%	0.0%	0.0%	0.0%	-26.2%	-26.2%	0.0%
<b>Total or Average (average for enrollment only)</b>		45,404	28%	51%	35.2%	-47.3%	-83.0%	-47.3%	-89.1%	-73.5%	-11.4%

Table M-2. 2017 through 2018 School Year Low-Income and Minority Student Enrollment and Percent Change in Operable Acres From the No Action Alternative (Alternative A) for School Districts With State Forest Transfer Lands Within the Analysis Area

County	School district	Alternative A State Forest Transfer operable acres	2017-2018 Minority student enrollment (% of total student enrollment)	2017-2018 Low-income student enrollment (% of total student enrollment)	Action alternative % change in operable acres from Alternative A							
					Alt. B	Alt. C	Alt. D	Alt. E	Alt. F	Alt. G	Alt. H	
Clallam	Cape Flattery	6,111	88%	78%	0.7%	-18.3%	-0.4%	-18.3%	-9.6%	-21.7%	-13.9%	
Clallam	Crescent	11,257	14%	56%	6.1%	0.1%	-6.8%	-6.9%	3.1%	-7.0%	-5.3%	
Clallam	Port Angeles	8,219	27%	56%	14.0%	5.7%	5.8%	5.7%	9.7%	5.4%	5.8%	
Clallam	Quillayute Valley	9,086	43%	61%	6.8%	2.1%	3.6%	2.1%	0.4%	-5.2%	4.5%	
Clallam	Sequim	11,643	23%	49%	14.3%	9.2%	10.1%	9.2%	11.9%	9.2%	10.1%	
Cowlitz	Longview	1,745	33%	65%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Cowlitz and Lewis	Castle Rock	1,764	16%	55%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Grays Harbor	Elma	1,268	31%	81%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	
Grays Harbor	McCleary	<1	11%	63%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Grays Harbor and Lewis	Oakville	508	44%	80%	9.9%	9.9%	9.9%	9.9%	-10.9%	9.9%	9.9%	
Jefferson	Brinnon	138	8%	81%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Jefferson	Chimacum	2,112	19%	53%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	
Jefferson	Port Townsend	335	18%	53%	16.0%	16.0%	16.0%	16.0%	16.0%	16.0%	16.0%	
Jefferson	Queets-Clearwater	0	100%	100%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Jefferson	Quilcene	7,899	16%	23%	2.4%	2.1%	2.2%	2.1%	2.3%	2.1%	2.2%	
King	Enumclaw	2,254	22%	34%	0.9%	-1.9%	0.5%	-1.9%	-9.1%	-1.9%	0.7%	
King	Issaquah	2,903	47%	10%	0.3%	0.3%	0.3%	0.4%	0.3%	0.3%	0.3%	
King	Riverview	3,381	21%	16%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
King	Snoqualmie Valley	500	21%	11%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
King	Tahoma	543	27%	15%	0.0%	-2.7%	0.0%	-2.7%	-13.2%	-2.7%	0.0%	
Kitsap	Central Kitsap	4,385	40%	33%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	

County	School district	Alternative A State Forest Transfer operable acres	2017-2018 Minority student enrollment (% of total student enrollment)	2017-2018 Low-income student enrollment (% of total student enrollment)	Action alternative % change in operable acres from Alternative A							
					Alt. B	Alt. C	Alt. D	Alt. E	Alt. F	Alt. G	Alt. H	
Lewis	Adna	3,132	10%	30%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Boistfort	40	19%	57%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Centralia	3,075	41%	76%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Chehalis	64	29%	49%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Morton	2,989	22%	68%	1.9%	-0.1%	1.9%	-0.1%	-8.2%	-0.1%	1.9%	
Lewis	Mossyrock	2,063	31%	66%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Napavine	77	20%	50%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	Onalaska	77	18%	60%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Lewis	White Pass	24	11%	72%	0.0%	-11.6%	0.0%	-11.6%	-10.3%	-11.6%	0.0%	
Lewis and Pacific	Pe Ell	6,775	17%	55%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Lewis and Pierce	Eatonville	2,894	16%	44%	0.0%	-0.6%	0.0%	-0.6%	-4.5%	-0.6%	0.0%	
Lewis and Thurston	Rochester	3,599	33%	55%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mason	Hood Canal	5,944	56%	84%	0.7%	-0.1%	0.1%	-0.1%	0.4%	-0.1%	0.1%	
Mason	North Mason	11,832	31%	64%	0.4%	0.3%	0.4%	0.3%	0.4%	0.3%	0.4%	
Pacific	Naselle-Grays River Valley	832	27%	50%	25.1%	-43.5%	-83.4%	-43.6%	-86.5%	-43.6%	-18.9%	
Pacific	Raymond	359	38%	63%	29.7%	-8.3%	-8.3%	-8.3%	-95.7%	-8.3%	-8.3%	
Pacific	Willapa Valley	6,184	18%	48%	5.5%	-1.1%	-1.1%	-1.1%	-3.2%	-1.1%	2.9%	
Pierce and Thurston	Yelm	144	32%	46%	3.8%	3.8%	3.8%	3.8%	-14.5%	3.8%	3.8%	
Skagit	Burlington-Edison	5,210	50%	54%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	
Skagit	Conway	1,882	17%	22%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Skagit and Snohomish	Darrington	5,651	21%	53%	0.5%	-7.7%	-8.3%	-7.8%	-17.3%	-14.4%	0.0%	
Skagit and Whatcom	Concrete	6,522	15%	71%	0.7%	-6.2%	0.0%	-6.2%	-6.9%	-6.2%	-2.0%	

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					Alt. B	Alt. C	Alt. D	Alt. E	Alt. F	Alt. G	Alt. H	
Skagit and Whatcom	Sedro-Woolley	27,135	28%	54%	0.4%	-1.4%	-1.2%	-1.4%	-4.1%	-3.6%	-0.1%	
Snohomish	Arlington	11,186	25%	37%	0.4%	-1.6%	-1.5%	-1.6%	-0.4%	-1.8%	-1.1%	
Snohomish	Granite Falls	4,933	20%	52%	0.0%	-0.3%	0.0%	-0.3%	-5.3%	-4.3%	-0.9%	
Snohomish	Index	530	8%	6%	0.0%	-0.6%	0.0%	-0.6%	-3.5%	-0.6%	0.0%	
Snohomish	Monroe	1,629	31%	31%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Snohomish	Snohomish	3,540	23%	21%	0.0%	-0.1%	0.0%	-0.1%	0.0%	-0.1%	-0.3%	
Snohomish	Sultan	10,550	27%	55%	0.5%	-0.8%	-0.6%	-0.8%	-2.1%	-2.1%	-0.2%	
Thurston	Griffin	716	22%	22%	6.4%	6.4%	6.4%	6.4%	6.4%	6.4%	6.4%	
Thurston	Olympia	6,406	32%	31%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	
Thurston	Rainier	517	21%	52%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Thurston	Tenino	3,528	15%	51%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	
Thurston	Tumwater	1,674	28%	33%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%	
Whatcom	Bellingham	<1	33%	39%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Whatcom	Mount Baker	15,117	28%	59%	0.5%	-3.5%	-1.9%	-3.5%	-24.2%	-5.2%	0.0%	
Whatcom	Nooksack Valley	293	44%	58%	0.0%	0.0%	-49.8%	-49.8%	-49.8%	-49.8%	-49.8%	
<b>Total or Average (average for enrollment only)</b>		233,174	28%	50%	155.3%	-47.2%	-95.0%	-104.1%	-321.0%	-131.3%	-28.5%	