

Marbled Murrelet Long-Term Conservation Strategy and the Sustainable Harvest Calculation

A report to the Board of Natural Resources

presented by

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December 6, 2016



Trust Mandate

As manager of state trust lands, DNR has legal fiduciary responsibilities under the State Constitution to:

- Generate revenue and other benefits for each trust, in perpetuity
- Preserve the corpus of the trust
- Exercise reasonable care and skill
- Act prudently to reduce the risk of loss for the trusts
- Maintain undivided loyalty to beneficiaries
- Act impartially with respect to current and future beneficiaries

Evaluation Criteria

- To the maximum extent practicable, minimize and mitigate the impacts of take.
- Not appreciably reduce the likelihood of the survival and recovery of the species in the wild.
- Make a significant contribution to maintaining and protecting marbled murrelet populations in western Washington over the life of the HCP.

Draft Environmental Impact Statements





More information
 dnr.wa.gov/MMLTCS
 dnr.wa.gov/SHC



90-day Public Comment Period

December 2, 2016 – March 1, 2017



Commenting

SEPACENTER@dnr.wa.gov

or

SEPA Center PO Box 47015 Olympia, WA 98504

or

Public Meetings



Public Meetings 6-8pm

January 10
Sedro Woolley

January 12 Seattle

January 17
Port Angeles

January 19
Cathlamet



&

Public Meetings

Short presentations on each DEIS. (~1hr)

Open house to view posters, talk with staff, and submit written comments. (~1hr)



Webinars 2-3pm

MM January 24, 2017 SHC January 26, 2017



More information
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Sustainable Harvest Alternatives

Alternative Components

	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5
Marbled murrelet LTCS alternative	Alt. A	Alt. B	Alt. C	Alt. D	Alt. F
Arrearage	Assume no harvest of arrearage	702 MMBF over five years.	462 MMBF over ten years	462 MMBF over one year	Arrearage is incorporated into the inventory
Riparian thinning in the five west-side planning units	Up to 10% of the riparian area	Up to 10% of the riparian area	Up to 1% of total upland harvest and thinning area	Up to 1% of total upland harvest and thinning area	Up to 1% of total upland harvest and thinning area



Murrelet Conservation by Alternative

by Alternative	A	В	C	D	E	F
Occupied sites	✓	✓	✓	✓	✓	✓
Occupied site buffers	✓		✓	✓	✓	✓
Habitat identified under interim strategy	✓					
Marbled murrelet management areas						✓
Emphasis areas			✓		✓	
Special habitat areas			✓	✓	✓	
High quality P-stage habitat (>=.47)			✓		✓	
Low quality NSO Habitat						✓



Acres of Long-term Forest Cover (LTFC)

Forest Cover (LIFC)	A	В	C	D	E	F
Existing conservation that provides benefits to marbled murrelets	583,000	583,000	583,000	583,000	583,000	583,000
Marbled murrelet- specific conservation	37,000	10,000	53,000	51,000	57,000	151,000
Total approximate acres	620,000	593,000	636,000	634,000	640,000	734,000



Volume over 10 Decades (MMBF/Decade)





Trust - Volume (MMBF/Decade) First Decade	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5
TOTAL	5,500	4,893	4,447	4,414	3,982
Agricultural School	138	113	107	114	93
Capitol Grant	493	529	475	472	427
CEPRI	153	128	103	105	95
Common School	1,907	1,610	1,437	1,429	1,222
Normal School	98	72	64	62	60
Scientific School	315	225	215	214	158
State Forest Purchase	365	363	344	346	340
State Forest Transfer	1,832	1,698	1,587	1,555	1,493
University	136	118	78	80	58

37



37

38

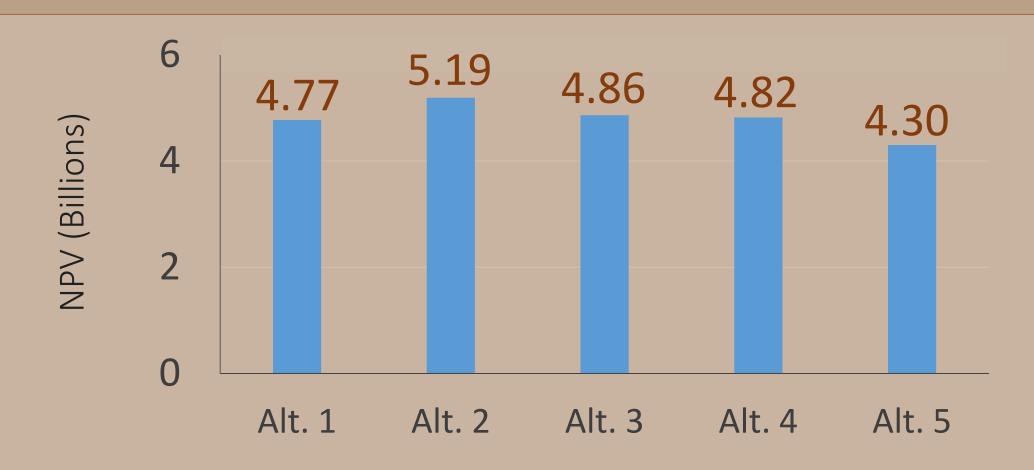
64

Others*

36

^{*}Others include CCFR, Water Pollination Board, Administrative Sites, and unknown trust status

Cumulative NPV (billions) 10 Decade Total





More info at: dnr.wa.gov/MMLTCS dnr.wa.gov/SHC

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Additional Material

State Forest Transfer Lands – Volume (MMBF/Decade) First Decade

	Clallam	Clark	Cowlitz	Grays Harbor	Jefferson	King	Kitsap	Lewis	Mason	Pacific	Pierce	Skagit	Skamania	Snohomish	Thurston	Wahkiakum	Whatcom
Alt. 1	300	93	42	6	68	57	17	192	99	55	17	294	109	244	116	47	75
Alt. 2	436	68	33	7	50	37	12	166	96	63	14	208	85	194	108	63	59
Alt. 3	392	69	34	7	51	37	12	161	94	46	14	199	82	192	110	35	53
Alt. 4	369	68	34	7	52	36	12	161	94	48	14	197	82	189	108	34	50
Alt. 5	397	68	35	5	51	34	12	149	94	42	8	173	81	160	111	25	48

Sustainable Harvest Unit – Volume (MMBF/Decade) First Decade

Policy on use of Sustainable Harvest Units:

www.dnr.wa.gov/publications/lm_psf_policy_sustainable_forests.pdf (pg. 29)

	Federal	Capitol	OESF	Clallam	Clark	Cowlitz	Grays Harbor	Jefferson	King	Kitsap	Lewis	Mason	Pacific	Pierce	Skagit	Skamania	Snohomish	Thurston	Wahkiakum	Whatcom
Alt. 1	2,623	523	704	210	93	42	4	68	57	17	192	99	55	17	299	109	244	21	47	75
Alt. 2	2,002	499	992	229	68	33	4	50	37	12	166	96	63	14	211	85	194	17	63	59
Alt. 3	1,726				69	34	4	51	37	12	161	94	46	14	203	82	192	18	35	53
Alt. 4	1,724				68	34	4	52	36	12	161	94	48	14	200	82	189	18	34	50
Alt. 5	1,408				68	35	3	51	34	12	149	94	42	8	176	81	160	17	25	48