

MMLTCS

Marbled Murrelet Long Term Conservation Strategy

Presented by:

Kristen Ohlson-Kiehn

Marbled Murrelet Project Lead Washington Department of Natural Resources

June 14, 2016

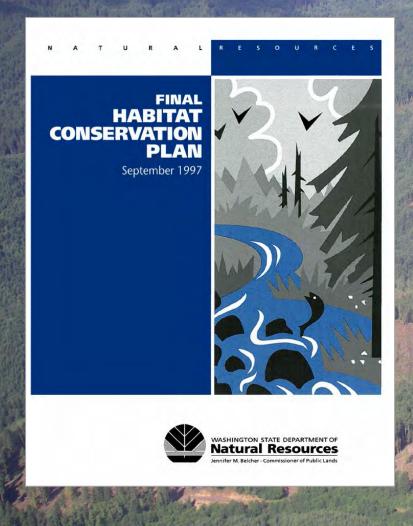
1973 Endangered Species Act

1990 Northern Spotted Owl

1997 Habitat Conservation Plan (HCP)



HCP



A voluntary tool for non-federal landowners to receive an <u>incidental take permit</u>.

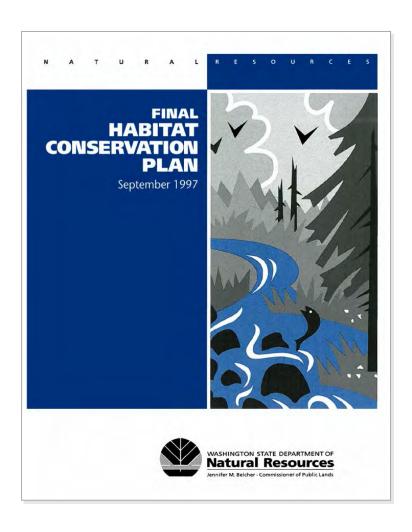
Incidental Take Permit

"... allows incidental <u>take</u> of a threatened or endangered species; permit also requires permitee to... minimize and mitigate the incidental take, and may contribute to the recovery of the species."

Take

To harass, harm.... listed threatened or endangered species. Take may include disturbance of the listed species, nest, or habitat, when disturbance disrupt(s) normal behavioral patterns...

HCP



Northern Spotted Owls

Riparian

Marbled Murrelets

Multi-species strategy for unlisted species

Olympic Experimental State Forest

1997 Figure 1: Regression models used to develop Platform Units table. The data is combined from 36 stands sampled in 1996 and 8 stands sampled in 1997. Platform Distribution in Tree Size Classes Combined Data from Sampled Stands, Twin Harbors, 1995-97 %TWP = 96.461 - 6.044*DBH + 0.0742*DBH² RECOVERY PLAN FOR THE MARBLED MURRELET (Washington: Oregon, and California Populations) DBH (inches) Juveniles U.S. Fish and Wildlife Service Portland, Oregon II. П Ш Stage 0 : Stage 1 : Stage 2 :



NEPA/SEPA Joint EIS

(environmental impact statement)



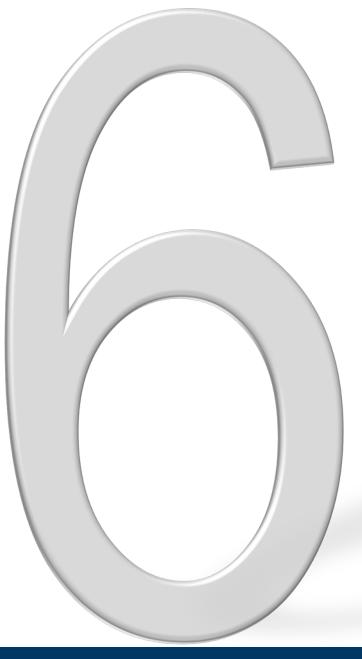


Board of Natural Resources

RCW 43.30.215

"The board shall...establish policies... based on sound principles designed to achieve the maximum effective development and use of such lands and resources..."





alternatives

Major differences:

Overall acres of conservation

Location and configuration of conservation areas

Conservation Measures

Conservation Measures

New measures proposed to protect murrelets from harm and harassment



Nesting and Reproduction

Require secure nest sites

Single large egg

Adults share incubation in 24-hour shifts

Nestlings are fed only fish

Adults spend up to 3.5 hours per day commuting between the sea and nests

High energy expenditure



Appearance and Behavior

Small

Dark plumage

Silent and motionless at nest

Generally fly before sunrise and at twilight

Easily stressed, spooked, and flushed



Harm and Harassment

Susceptible to Auditory and Visual Disturbance

- Delays or prevents nest establishment
- Flushes birds from active nest sites
- Causes adults to abort feeding attempts
- Increases risk of predation

Resulting in reduced hatching success, individual fitness, or survival of chicks, juveniles, and adults.



Conservation Measures

Applied to a variety of land uses:

- Timber management and timber harvest
- Road-building and maintenance
- Wildfire control
- Research

- Recreation
- Utility transportation corridors
- Tribal and Cultural Uses
- Forest health treatments and salvage

Conservation Measures

Recreation:

C, D

No new or expanded development inside certain sensitive areas

B, E, F

Require consultation with USFWS for any new or expanded development inside certain sensitive areas



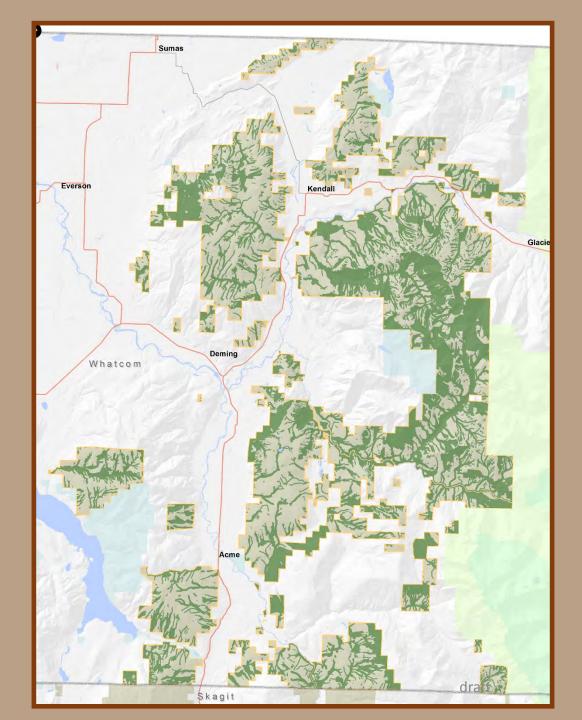
Where are the alternatives?





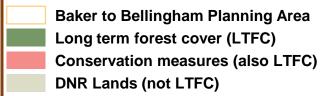






Base LTFC

Long-term Forest Cover



Sumas Everson Whatcom

Alternative A

No new Conservation Measures

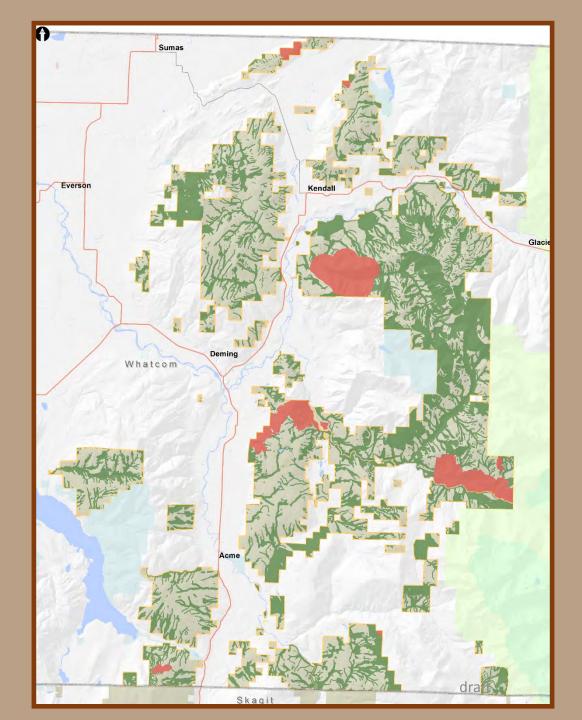


Sumas Everson Whatcom Skagit

Alternative B

Occupied Sites

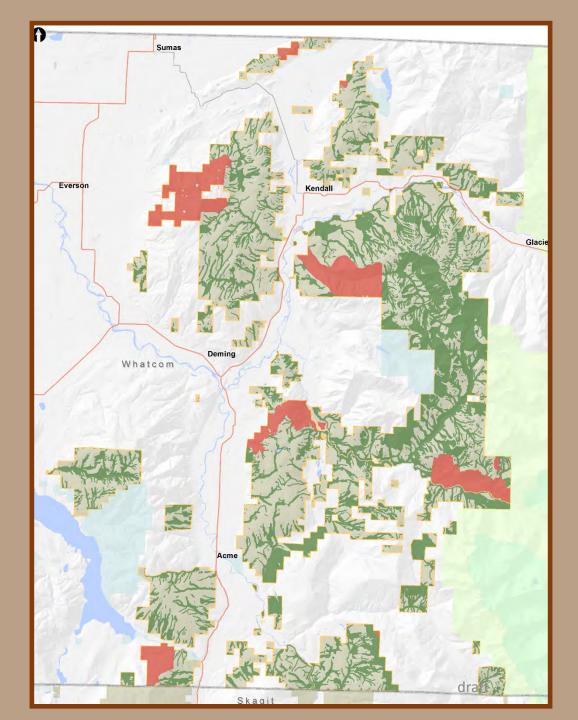
Baker to Bellingham Planning Area
Long term forest cover (LTFC)
Conservation measures (also LTFC)
DNR Lands (not LTFC)



Alternative C

- Occupied Sites
- Buffers
- Emphasis Areas
- Special HabitatAreas

- Baker to Bellingham Planning Area
 - Long term forest cover (LTFC)
 - Special conservation measures (also LTFC)
 - DNR Lands (not LTFC)



Alternative D

- Occupied Sites
- Buffers
- Special HabitatAreas

Baker to Bellingham Planning Area

Long term forest cover (LTFC)

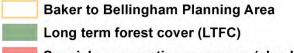
Special conservation measures (also LTFC)

DNR Lands (not LTFC)

Sumas Everson Deming Whatcom

Alternative E

Combination of C & D



Special conservation measures (also LTFC)

DNR Lands (not LTFC)

Sumas Everson Whatcom

Alternative F

- Occupied Sites
- Buffers
- Marbled Murrelet
 Management Areas

Baker to Bellingham Planning Area

Long term forest cover (LTFC)

Special conservation measures (also LTFC)

DNR Lands (not LTFC)

Project Timeline

Scoping

- 2 Phases Public Comment
- Scoping Summary

Draft EIS

Public Comment

Final EIS

Response toComments



Fall of 2016 — End of 2017 –



Board of Natural Resources

Approves conservation strategy



US Fish and Wildlife Service

 Completes Biological Opinion, Findings, Record of Decision



Board of Natural Resources

Adopts conservation strategy



12+

months

MMLTCS & Baker to Bellingham

MMLTCS has a longer timeline.

How to Comment?

Public Comment Periods Board of Natural Resources

