

Attachment 2. Western Oregon Forest HCP Draft Outline

1 Introduction

1.1 Overview

- 1.1.1 Purpose
- 1.1.2 Background
- 1.1.3 Document Organization

1.2 Scope of the Plan

- 1.2.1 Plan Area and Permit Area
- 1.2.2 Permit Term
- 1.2.3 Covered Activities
- 1.2.4 Covered Species
 - 1.2.4.1 Covered Species Selection
 - 1.2.4.2 Proposed Covered Species

1.3 Regulatory Setting

1.3.1 Federal and State Endangered Species Laws

- 1.3.1.1 Federal Endangered Species Act
 - 1.3.1.1.1 Section 7
 - 1.3.1.1.2 Section 10
 - 1.3.1.1.3 Oregon Endangered Species Act
 - 1.3.1.1.4 ODFW Scientific Collectors Permit

1.3.2 National Environmental Policy Act

1.3.3 Other Relevant State Laws

- 1.3.3.1 Oregon Forest Practices Act ORS 527.610 to 527.770, 527.990, and 527.992
- 1.3.3.2 Oregon Plan for Salmon and Watersheds 541.895
- 1.3.3.3 Oregon Fish Passage
- 1.3.3.4 State Forests Enabling Statutes ORS 530
- 1.3.3.5 State ESA ORS 496
- 1.3.3.6 Forestry Administration ORS 526
- 1.3.3.7 Scenic Waterways ORS 390

1.4 Overview of Planning Process

2 Environmental Setting

2.1 Introduction

2.1.1 History

2.2 Physical Setting (Determine organizational principal)

2.2.1 Location

2.2.2 Topography

2.2.3 Geology

2.2.4 Soils

2.2.5 Climate

2.2.6 Hydrology and Water Quality

2.3 Forest Types

2.3.1 Methods

2.3.1.1 Forest Stand Inventory Data

2.3.1.2 Data Review and Mapping Procedures

2.3.2 Overview of Forest Types

2.3.3 Land Ownership and Forest Cover

2.3.4 Tree Species

2.3.5 Ecological Disturbances and Forest Health

2.3.6 Disturbance Agents: Fire and Storms

2.3.7 Disturbance Agents: Insects and Disease

2.3.8 Climate and Forest Types

2.3.9 Forest Age and Structure

2.3.10 Riparian Forests

2.4 Covered Species

2.5 References

3 Covered Activities

3.1 Introduction

3.2 Harvest Activities

3.2.1 Timber Harvest

3.2.2 Minor Forest-Product Harvest

3.3 Stand Management Activities

- 3.3.1 Yard and Burn Slash**
- 3.3.2 Vegetation Control**
- 3.3.3 Tree Planting**
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- 3.3.6 Precommercial Thinning and Pruning**
- 3.3.7 Commercial Thinning**
- 3.3.8 Conservation Forestry**
- 3.3.9 Prescribed Burning**
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3.4 Road System Management Activities

- 3.4.1 Road Construction**
- 3.4.2 Road Use**
- 3.4.3 Road Maintenance**
- 3.4.4 Road Abandonment**
- 3.4.5 Drainage Structures**
- 3.4.6 Landings**
- 3.4.7 Quarries**

3.5 Plan Implementation Activities

- 3.5.1 Aquatic Habitat Restoration**
- 3.5.2 Barred Owl Management**
- 3.5.3 Monitoring and Adaptive Management Activities**

3.6 Activities Not Covered

3.7 References

4 Conservation Strategy

4.1 Conservation Overview

- 4.1.1 Relationship to Other Conservation Plans in the Region**
- 4.1.2 Conservation Approach and Methods**

4.2 Biological Goals and Objectives

- 4.2.1 Northern Spotted Owl**

- 4.2.2 Marbled Murrelet
- 4.2.3 Red Tree Vole
- 4.2.4 Coastal Marten
- 4.2.5 Oregon Slender Salamander
- 4.2.6 Columbia Torrent Salamander
- 4.2.7 Cascade Torrent Salamander
- 4.2.8 Oregon Coast Coho
- 4.2.9 Lower Columbia River Coho
- 4.2.10 Upper Willamette River Spring Chinook
- 4.2.11 Upper Willamette River Winter Steelhead
- 4.2.12 Lower Columbia River Chum
- 4.2.13 Southern Oregon/Northern California Coast Coho
- 4.2.14 Lower Columbia River Chinook
- 4.2.15 Lower Columbia River Steelhead
- 4.2.16 Eulachon

4.3 Conservation Measures

- 4.3.1 Conservation Measure 1: TBD
- 4.3.2 Conservation Measure 2: TBD

4.4 Avoidance and Minimization Measures for Covered Species

- 4.4.1 AMM 1: TBD
- 4.4.2 AMM 2: TBD

4.5 References

5 Effects Analysis and Level of Take

5.1 Introduction

5.2 Approach

- 5.2.1 Impact Methodology

5.3 Summary of Effects

5.4 Effects Analysis for Northern Spotted Owl

- 5.4.1 Impact Mechanisms and Covered Activities
- 5.4.2 Effects on Northern Spotted Owl
- 5.4.3 Effects on Critical Habitat

5.4.4 Cumulative Effects on Northern Spotted Owl

5.5 [Repeat same structure for each covered species]

5.5.1 Impact Mechanisms and Covered Activities

5.5.2 Effects on Marbled Murrelet

5.5.3 Effects on Critical Habitat

5.5.4 Cumulative Effects on Marbled Murrelet

5.6

5.7References

6 Monitoring and Adaptive Management

6.1 Monitoring and Adaptive Management Program

6.1.1 Types of Monitoring

6.1.1.1 Compliance Monitoring

6.1.1.2 Effectiveness Monitoring

6.1.2 Monitoring and Adaptive Management

6.1.3 Monitoring Actions

6.1.4 Data and Reporting

6.2 References

7 Assurances

7.1 Introduction

7.2 Assurances Requested

7.2.1 Changed and Unforeseen Circumstances

7.2.1.1 Changed Circumstances

7.2.1.2 Unforeseen Circumstances

7.2.1.3 Changed and Unforeseen Circumstances Addressed by this Plan

7.2.2 Federal No Surprises

7.2.3 Federal Section 7 Consultations

7.2.4 Staff Support by State and Federal Agencies

7.2.5 Assurances for Neighboring Private Landowners

7.3 References

8 Plan Implementation

8.1 Implementation Roles and Responsibilities

8.1.1 Permittee

8.1.2 National Marine Fisheries Service and U.S. Fish and Wildlife Service

8.1.2.1 Dispute Resolution

8.1.2.2 Permit Suspension or Revocation

8.2 Implementation Overview

8.3 Implementation Schedule

8.4 Data Tracking and Annual Reporting

8.5 Modifications to the Plan

8.5.1 Administrative Changes

8.5.2 Minor Modifications to the Plan

8.5.3 Amendments

8.6 References

9 Costs and Funding

9.1 Introduction

9.2 Implementation Costs

9.2.1 Cost Estimation Methods

9.2.2 Estimated Costs

9.2.2.1 Plan Administration and Staffing

9.2.2.2 Mitigation

9.2.2.3 Monitoring and Adaptive Management

9.2.2.4 Remedial Measures for Changed Circumstances

9.2.2.5 Contingency

9.3 Implementation Funding

9.3.1 State Funding Sources

9.3.2 Other Funding Sources

9.3.3 Funding Contingencies

9.4 References

10 Alternatives to Take

10.1 Introduction

10.2 Alternatives to Take

10.2.1 Description of Alternatives

- 10.2.1.1 No Take Alternative
- 10.2.1.2 District Level HCPs
- 10.2.1.3 Reduced Number of Covered Species
- 10.2.1.4 Reduced Permit Term

10.3 References

- Appendix A** **Glossary**
- Appendix B** **Species Considered for Coverage**
- Appendix C** **Species Accounts**
- Appendix D** **Effects Analysis Approach**