

# Table of Contents

Title	Page
<b>Chapter 1-Purpose and Need</b>	
Introduction.....	1
Document Organization.....	1
Location and Overview of Project Area.....	1
Allotment Management History.....	1
Purpose and Need for Action.....	3
Proposed Action.....	4
Tribal Consultation.....	4
Public Involvement.....	5
Significant Issues from Scoping.....	5
Laws and Policy	
Forest Plan Direction.....	6
Forest Service Regional Policy.....	10
Federal Laws.....	11
Tiering to and Incorporating by Reference.....	13
Project Record.....	15
Treaty Rights.....	15
Decision Framework.....	16
Decisions to be Made.....	16
<b>Chapter 2-Description of Alternatives</b>	
Introduction.....	17
Range of Alternatives.....	17
Alternatives Considered in Detail.....	17
Alternative 1-Proposed Action.....	17
Alternative 2-Current Management.....	19
Monitoring and Other Activities Common to Both Action Alternatives.....	20
Monitoring Unique to Alternative 1.....	22
Alternative 3-No Domestic Livestock Grazing (No Grazing).....	23
Alternative Considered but Not Developed in Detail.....	23
Management Objectives.....	23
Comparison of Alternatives.....	24
<b>Chapter 3-Affected Environment and Current Condition</b>	
Scale of the Analysis.....	25
Physical and Biological Environment.....	25
Forest Vegetation.....	25
Native Hardwood Vegetation.....	25
Rangeland Vegetation.....	25
Rare Plants (TES Species).....	26
Soils.....	26
Hydrology.....	27
Fisheries.....	28
Wildlife.....	31

Current Resource Conditions.....	34
Road Infrastructure .....	34
Silviculture (Forest and Hardwood Management).....	34
Rangeland Vegetation (Riparian, Meadow and Upland Understory).....	35
Invasive Species .....	38
Wildlife.....	43
Soils.....	44
Hydrology.....	45
Fisheries.....	48
Current Social and Economic Environment .....	49
Cultural and Historic Resources.....	52
Climate Change .....	53
Soil Carbon and Greenhouse Gas Emissions.....	53

## **Chapter 4-Environmental Effects Analysis**

Introduction.....	54
Physical and Biological Resources.....	54
Rangeland and Forest Vegetation.....	54
Herbaceous species (riparian, meadow and upland understory).....	54
Hardwoods and Forest species.....	57
Comparison of Alternatives.....	58
Rare Plants.....	59
Invasive Species .....	59
Wildlife Habitat .....	61
Soils .....	68
Hydrology.....	69
Fisheries.....	71
Social and Economic Effects.....	75
Climate Change .....	77
Soil Carbon and Greenhouse Gas Emissions.....	77
Forest Plan Consistency Findings.....	78
Other Laws, Regulations and Policies .....	81
Forest Service Climate Change Strategy .....	81
National Historic Preservation Act and Treaty Rights .....	82
Endangered Species Act.....	82
Migratory Bird Treaty Act and Executive Order 13186.....	82
Clean Water Act.....	82
National Forest Management Act.....	83
Floodplains, Executive Order 11988 .....	83
Wetlands, Executive Order 11990.....	83
Municipal Watersheds .....	83
Safe Drinking Water Act .....	83
Civil Rights, Women and Minorities.....	83
Environmental Justice, Executive Order 12898 .....	83
Multiple Use-Sustained Yield Act of 1960.....	84
Magnuson-Stevens Fishery Conservation and Management Act, Essential Fish Habitat .....	84

## List of Tables

Table 1-1. Forest Plan Management Allocation and Land ownership within the Brock Allotment.....	7
Table 2-1. Alternative 1. Proposed permitted annual use .....	18
Table 2-2. Proposed Distribution of Grazing Use.....	18
Table 2-3. Alternative 2. Current permitted use.....	19
Table 2-4. Current distribution of grazing use .....	19
Table 2-5. Forest Plan Utilization Standards on Brock Allotment.....	20
Table 2-6. Stubble Height Implementation Monitoring objectives.....	20
Table 2-7. Summary of Alternatives’ Responsiveness to the Purpose, Need and Issues.....	24
Table 3-1. Forest Stand Species Composition on National Forest System lands, Brock Allotment.....	25
Table 3-2. Dominant and Special Soils Types on the Brock Allotments.....	27
Table 3-3. Sensitive and Listed Fish Currently in or near the Sheep and Jarboe Creek subwatersheds.....	29
Table 3-4. Potential habitat within the Brock allotment for Forest Plan Management Indicator, Old-Growth Dependent and Neotropical Bird species .....	33
Table 3-5. Previous timber harvest by year and harvest type in Brock Allotment .....	34
Table 3-6. Current key areas, type and assigned utilization standards.....	36
Table 3-7. Utilization monitoring results, 2002-2008.....	37
Table 3-8. Treatment and Monitoring History of Previously Mapped Invasive Plant Sites .....	38
Table 3-9. Newly Found Invasive Species Sites in the Brock allotment .....	40
Table 3-10. Characteristics of Invasive plant species currently present within the Brock Allotment.....	42
Table 3-11. Invasive plant species within 0.5 miles of the Brock Allotment .....	42
Table 3-12. Categories of Beneficial Uses for streams in the Grande Ronde River Basin.....	47
Table 3-13. Water Quality-impaired streams, ODEQ 303(d) List Category 5-associated with Brock Allotment.....	48
Table 3-14. Population Demographics for Race and Gender on General and Ranching Populations.....	50
Table 3-15. Farms, Acreages and Beef Cattle Production and Sales for Oregon State and Baker and Union Counties.....	51
Table 4-1. Comparison of alternatives response to the Purpose, Need and Issue .....	58
Table 4-2. Priority bird habitat features present on the Brock Allotment.....	63
Table 4-3. Summary of effects for Threatened, Endangered and Sensitive Wildlife Species .....	67
Table 4-4. Summary of effects for Threatened, Endangered and Sensitive Fish Species.....	74
Table 4-5. Social & Economic Indicators by Alternative .....	75

## List of Figures

Figure 3-1. Fish distribution in the Lookingglass and Grande Ronde/Grossman Creek watersheds .....	30
Figure 3-2. Past timber and fuels management activities in watersheds associated with the Brock allotment .....	39
Figure 3-3. Invasive plants mapped and observed on the Brock Allotment .....	41
Figure 3-4. Change in population in Baker and Union Counties from 1990 to 2020.....	49

## **Appendices**

- Appendix A. Maps
- Appendix B. Lower Sheep Timber Sale Mitigations for Range
- Appendix C. Historic Livestock Use
- Appendix D. Upland and Meadow Stubble Height Monitoring Results
- Appendix E. Condition and Trend Analysis
- Appendix F. Soils Information
- Appendix G. Literature Cited
- Appendix H. Invasive Species Prevention Policy
- Appendix I. Concerns from Public Scoping
- Appendix J. Glossary
- Appendix K. Forest Plan Management Area Direction
- Appendix L. List of Preparers
- Appendix M. Wolf-Livestock Conflicts Recommendations
- Appendix N. Response to Comments on the Environmental Assessment
- Appendix O. Changes to EA following public review