

# Table of Contents

---

## [Final Environmental Impact Statement](#)

## [Acronyms..... Inside back Cover](#)

### [Chapter 1—Purpose and Need](#)

Summary .....	1-1
Proposed Action .....	1-1
Purpose and Need .....	1-1
Project Area .....	1-2
Decisions to be Made .....	1-2
Planning Issues .....	1-4
Modifications Made to Supplemental Draft EIS Chapter 1 .....	1-5

### [Chapter 2—Affected Environment](#)

Summary .....	2-1
Conditions and Trends in the Project Area .....	2-1
Physical Setting .....	2-1
Hydrology and Watershed Processes .....	2-2
Air Quality .....	2-2
Terrestrial (Upland) Vegetation .....	2-2
Terrestrial Species .....	2-2
Aquatic-Riparian-Hydrologic Component .....	2-3
Aquatic and Riparian Habitats .....	2-3
Water Quality .....	2-3
Aquatic Species .....	2-3
Social-Economic-Tribal Component .....	2-4
Social and Economic Considerations .....	2-4
Federal Trust Responsibility and Tribal Rights and Interests .....	2-4
Modifications Made to Supplemental Draft EIS Chapter 2 .....	2-5

### [Chapter 3—Description of the Alternatives](#)

Summary .....	3-1
Description of Alternatives .....	3-1
Alternative S1 .....	3-1
Design and Architecture of Alternative S1 .....	3-2
Management Direction .....	3-2
Forestland Vegetation Management .....	3-2
Rangeland Vegetation Management .....	3-2
Wildlife Habitat Management .....	3-2

Aquatic/Riparian Management .....	3-2
Restoration .....	3-3
Alternatives S2 and S3 .....	3-3
Design/Architecture of Alternatives S2 and S3 .....	3-3
Integrated Management Direction .....	3-4
Landscape Dynamics .....	3-4
Terrestrial Source Habitat .....	3-5
Aquatic Species and Riparian and Hydrologic Processes .....	3-5
Socio-economic and Tribal Considerations .....	3-5
Step-down .....	3-6
Adaptive Management .....	3-7
Monitoring and Evaluation .....	3-7
Modifications Made to Supplemental Draft EIS Chapter 3 .....	3-8

## **Chapter 4—Environmental Consequences**

Summary .....	4-1
Environmental Consequences .....	4-1
Physical Setting .....	4-1
Soil Functions and Processes, Including Soil Productivity .....	4-1
Hydrology and Watershed Processes .....	4-2
Air Quality .....	4-2
Succession/Disturbance .....	4-3
Vegetation Composition and Structure .....	4-3
Terrestrial Species .....	4-4
Plants .....	4-4
Terrestrial Invertebrates .....	4-4
Broad-scale Terrestrial Vertebrates .....	4-4
Terrestrial Riparian and Wetland Species .....	4-4
Special Status Terrestrial Species .....	4-5
Aquatic–Riparian–Hydrologic Component .....	4-5
Aquatic and Riparian Habitats .....	4-5
Water Quality .....	4-5
Aquatic Species .....	4-5
Social–Economic–Tribal Component .....	4-6
Social and Economic Considerations .....	4-6
Products and Services .....	4-6
Jobs and Employment .....	4-7
Communities .....	4-7
Federal Trust Responsibility and Tribal Rights and Interests .....	4-7
Modifications Made to Supplemental Draft EIS Chapter 4 .....	4-9

## **Chapter 5—Preparation, Consultation, and Coordination**

Summary .....	5-1
EIS Team Members—Corrections .....	5-2
Science Advisory Group—Update .....	5-2
Content Analysis .....	5-3
Data Entry .....	5-3
Coders .....	5-3
Writers .....	5-3
Document Production—Additions .....	5-3

[Glossary](#)  
[Literature Cited](#)  
[Index](#)

Maps

[Map 1-1. BLM- and Forest Service-Administered Lands ..... 1-3](#)  
[Map 2-11b. Carnivore Habitat with Low Road Density ..... 2-11](#)  
[Map 2-28a. Natural Areas ..... 2-12](#)  
[Map 3-11a. Aquatics \(A1 and A2\) Subwatersheds: Alternative S2 ..... 3-42](#)  
[Map 4-4. “Wildland Fire Use for Resource Benefit” Activity Classes: Change from Current ..... 4-26](#)

Tables

[Table 2-22a. Number of Species Analyzed for the ICBEMP ..... 2-6](#)

## Appendices

Only the appendices marked (\*) are included with the ICBEMP Final EIS. The other appendices are incorporated by reference, summarized on page A-1 or A-2 in this Final EIS, and are available on the ICBEMP website ([www.icbemp.gov](http://www.icbemp.gov)) or from: ICBEMP, 304 N. 8<sup>th</sup> Street, Room 250, Boise, Idaho 83702; telephone (208) 334-1770 fax (208) 334-1769.

### **Appendix 1—Scientific, Legal, and Planning Background..... A-1**

### **Appendix 2—GIS Data and Databases ..... A-1**

### **Appendix 3—Public Involvement..... A-1**

### **\*Appendix 4—Response to Comments**

Summary of Appendix 3 and Appendix 4 .....	4-1
Public Involvement Efforts .....	4-2
Public Briefings and Presentations (March to November 2000) .....	4-2
Project Briefings and Consultations .....	4-2
Special Presentations .....	4-2
Tribal Discussions .....	4-2
Sources of Project Information During Final EIS Development (March to November 2000) .....	4-3
Mailing List, Newsletters, and Mailers .....	4-3
Project Information Binder .....	4-3
Electronic Library / Internet / Toll-free Telephone Number .....	4-3
Responses to Public Comments .....	4-3
Introduction .....	4-3
Proposed Action, Purpose and Need .....	4-4
Purpose and Need .....	4-4
Ecosystem Management .....	4-6
General .....	4-6
Ecosystem Health and Ecological Integrity .....	4-7
Tradeoff / Balance .....	4-8
Manage to Preserve Natural State .....	4-9
Manage for Multiple Use .....	4-10
Restoration .....	4-10
Short-term vs. Long-term Risk .....	4-11
Step-down Process .....	4-11
Analysis Levels, General .....	4-11
Subbasin Review .....	4-12
Ecosystem Analysis at the Watershed Scale .....	4-12
Adaptive Management .....	4-13
Monitoring .....	4-13
Scale and Decisions .....	4-14
Scale .....	4-14
Decision-making .....	4-19
Use of Science .....	4-22
Incomplete, Unavailable, or New Information .....	4-29
EIS Document - General .....	4-30
Outcome-based vs. Prescriptive Direction .....	4-30
Chapter 2, Affected Environment .....	4-30
Chapter 3, Alternatives .....	4-31
Alternative S1, No Action .....	4-31
Objectives, Standards, and Guidelines.....	4-31

Range of Alternatives .....	4-32
Chapter 4, Environmental Consequences .....	4-32
Collaboration and Public Involvement .....	4-33
Adequacy of Public Involvement .....	4-33
Collaboration and Intergovernmental Coordination .....	4-34
Accessibility to Science .....	4-34
Implementation .....	4-34
Accountability and Oversight .....	4-34
Organization Structure .....	4-36
Timing .....	4-36
Priorities and Conflicts .....	4-37
Relationship to Laws and Other Plans .....	4-38
Relationship to Laws .....	4-38
Relationship to County Land Use Plans .....	4-41
Land Status, Ownership, and Uses .....	4-41
Historical, Prehistoric Use of Public Lands .....	4-41
Effects on Private Lands .....	4-41
Land Status .....	4-41
Biophysical Components .....	4-42
Soil, Air, Climate Change .....	4-42
Soil Quality and Productivity .....	4-42
Air Quality .....	4-43
Global Climate Change .....	4-44
Disturbance Processes and Mechanisms .....	4-44
Disturbance Processes .....	4-44
Wildfire and Suppression .....	4-47
Prescribed Fire .....	4-48
Fuels .....	4-49
Insects and Disease .....	4-50
Forest Health and Management .....	4-50
Sucession and Disturbance .....	4-50
Forest Potential Vegetation Groups .....	4-51
Forest Land Restoration .....	4-52
Forest Vegetation Composition and Structure .....	4-52
Stewardship Harvest .....	4-53
Mature and Old Forest Management .....	4-54
Rangeland Health and Management .....	4-55
Rangeland Restoration .....	4-55
Livestock Grazing Effects .....	4-56
Rangeland Vegetation Composition and Structure .....	4-57
Biological Crusts .....	4-57
Noxious Weeds .....	4-58
Rare Plants .....	4-59
Aquatic - Riparian - Hydrologic Health and Management .....	4-59
Aquatic - Riparian - Hydrologic Strategies .....	4-59
Aquatic and Riparian Processes and Management .....	4-61
RCA Management .....	4-62
Watershed Condition Indicators .....	4-62
Water Quality and Quantity .....	4-64
Water Quality .....	4-64
Water Quantity .....	4-66
Water Rights .....	4-66

Terrestrial Species .....	4-67
General .....	4-67
Viability .....	4-69
Habitat Linkages, Connectivity, Patch Sizes, Corridors, Fragmentation, Fringe Habitats, Edges ....	4-70
Mature/Old Forest Habitat Associated Species .....	4-72
Rangeland Habitat Dependent Species .....	4-72
Snags and Downed Wood .....	4-73
Source Habitats/Terrestrial Families .....	4-74
Terrestrial T Watershed Direction .....	4-75
Threatened, Endangered, Proposed, Candidate, Sensitive Wildlife Species .....	4-76
Wide-ranging Carnivores (Gray Wolf, Grizzly Bear, Lynx) .....	4-78
Wildlife - Human Interactions .....	4-79
Aquatic Species .....	4-80
Social-Economic-Tribal Components .....	4-81
Economics .....	4-81
Economic Direction .....	4-81
Economic Analysis .....	4-84
Timber .....	4-87
Livestock Grazing .....	4-90
Special Forest Products .....	4-91
Mining and Minerals .....	4-91
Hydroelectric Power Generation .....	4-92
Predictability and Sustainability .....	4-93
Employment and Jobs .....	4-93
Community Impacts .....	4-95
Economic Diversity and Resiliency .....	4-98
Relative Values .....	4-99
Implementation and Monitoring of Economic Direction .....	4-100
Social .....	4-102
General .....	4-102
Scenery .....	4-103
Recreation .....	4-104
Wilderness, Roadless, Unroaded Areas .....	4-105
Roads, Transportation, Access .....	4-109
Road Management .....	4-112
New Road Construction .....	4-112
Road Closures, Obliteration .....	4-113
Road-related Adverse Effects .....	4-113
Roads Analysis and Inventory .....	4-114
Road Densities .....	4-114
Access .....	4-115
Tribal Rights and Interests .....	4-115
Federal Treaty Rights and Responsibilities .....	4-115
Collaboration, Consultation, Coordination, and Cooperation with Tribes .....	4-116
Other Comments .....	4-116
Congressional Report .....	4-116
Appendices .....	4-117
Outside the Scope .....	4-118
Funding for/Cost of ICBEMP Process .....	4-119

Appendix 5—Terrestrial Source Habitat Acreage Table .....	A-2
<b>*<a href="#">Appendix 6—Terrestrial And Aquatic Species</a></b>	
Summary .....	6-1
Modifications Made to Supplemental Draft EIS Appendix 6 .....	6-2
<b>*<a href="#">Appendix 7—Socio-Economic Information for Counties and Communities</a></b>	
Summary .....	7-1
Modifications Made to Supplemental Draft EIS Appendix 7 .....	7-3
Appendix 8a—Tribal Background Information, Part A .....	A-2
Appendix 8b—Tribal Background Information, Part B .....	A-2
<b>*<a href="#">Appendix 9—Additional Aquatics Guidance and USFWS and NMFS Matrices</a></b>	
Summary .....	9-1
Modifications Made to Supplemental Draft EIS Appendix 9 .....	9-2
<b>*<a href="#">Appendix 10—Implementation Framework</a></b>	
Summary .....	10-1
Modifications Made to Supplemental Draft EIS Appendix 10 .....	10-2
Appendix 11—Integrated Weed Management .....	A-2
<b>*<a href="#">Appendix 12—Requirements for Snags and Downed Wood</a></b>	
Summary .....	10-1
Modifications Made to Supplemental Draft EIS Appendix 10 .....	10-2
Appendix 13a—Biological Crust Evaluation .....	A-2
Appendix 13b—Healthy Rangelands Standards and Guidelines .....	A-2
Appendix 14—EIS Team Guidance to SAG .....	A-2
Appendix 15—Development of Restoration Priorities .....	A-2
<b>*<a href="#">Appendix 16—Science Advisory Group Assumptions for Modeling the Supplemental Draft EIS Alternatives</a></b>	
Summary .....	16-1
Modifications Made to Supplemental Draft EIS Appendix 16 .....	16-2
<b>*<a href="#">Appendix 17a—Definitions for Old Forest</a></b>	
Summary .....	17-1
Modifications Made to Supplemental Draft EIS Appendix 17 .....	17-2

Appendix 17b—Regional Definitions for Old Forest ..... A-2

[\\*Appendix 18—A1 and A2 Subwatersheds Update Process](#)

Introduction ..... 1

Aquatic/Riparian/Hydrologic Component ..... 1

A1 and A2 Subwatersheds ..... 2

Validating/Refining A1/A2 Designations Through Step-Down ..... 3

Extending Favorable Conditions to Meet Overall Aquatic/Riparian/Hydrologic Objectives ..... 3

Monitoring ..... 3

Summary ..... 4