
LAND AND RESOURCE MANAGEMENT PLAN

SIX RIVERS NATIONAL FOREST 1995

*Located within
Del Norte, Humboldt, Siskiyou, and Trinity Counties, California*

Responsible Agency:

USDA, Forest Service
Six Rivers National Forest
1330 Bayshore Way
Eureka, CA 95501

Responsible Official:

G. Lynn Sprague, Regional Forester
Pacific Southwest Region
630 Sansome Street
San Francisco, CA 94111

Recommending Official:

Martha J. Kettle, Forest Supervisor
Six Rivers National Forest
1330 Bayshore Way
Eureka, CA 95501
(707) 442-1721
(707) 442-1721 TTY

This Land and Resource Management Plan was developed for the Six Rivers National Forest for the next ten to fifteen years, after which it must be revised. If the need arises, it will be revised or amended sooner.

The United States Department of Agriculture (USDA) Forest Service is a diverse organization committed to equal opportunity in employment and program delivery. USDA prohibits discrimination on the basis of race, color, national origin, sex, religion, age, disability, political affiliation and familial status. Persons believing they have been discriminated against should contact the Secretary, U.S. Department of Agriculture, Washington, DC 20250, or call 202/720-7327 (voice) or 202/720-1127 (TDD).


 Printed on recycled paper

TABLE OF CONTENTS

	PAGE
CHAPTER 1. INTRODUCTION	
Purpose of the Forest Plan	I-1
Relationship of the Forest Plan to Other Documents	I-1
Plan Implementation	I-2
Monitoring and Evaluation	I-2
Revisions, Amendments	I-3
Plan Organization	I-3
Forest Description	I-4
CHAPTER 2. PUBLIC ISSUES AND MANAGEMENT CONCERNS	
Driving Issues	II-1
Physical Environment	II-2
Biological Environment	II-3
Social and Economic Environment	II-4
Resource Management Programs	II-4
CHAPTER 3. SUMMARY OF THE ANALYSIS OF THE MANAGEMENT SITUATION	
Physical Environment	III-1
Biological Environment	III-2
Social and Economic Environment	III-7
Resource Management Programs	III-9
CHAPTER 4. FOREST MANAGEMENT DIRECTION	
Preface	IV-i
Introduction	IV-1
Forest Management Goals	IV-1
Desired Future Condition of the Forest	IV-2
Forest Management Objectives	IV-4
Management Areas	IV-8
Management Area 1 - Wilderness	IV-11
Management Area 2 - Wild River	IV-26
Management Area 3 - Experimental Forest	IV-28
Management Area 4 - Humboldt Nursery	IV-29
Management Area 5 - Research Natural Area	IV-30
Management Area 6 - Native American Contemporary Use Area	IV-32
Management Area 7 - Smith River NRA	IV-34
Management Area 8 - Special Habitat	IV-34
Management Area 9 - Riparian Reserves	IV-44
Management Area 10 - Special Interest Area	IV-50
Management Area 11 - Special Regeneration	IV-53
Management Area 12 - Scenic River	IV-54
Management Area 13 - Retention VQO	IV-56
Management Area 14 - Managed Habitat	IV-57
Management Area 15 - Recreational River	IV-60
Management Area 16 - Partial Retention VQO	IV-62
Management Area 17 - General Forest	IV-63
Hayfork Adaptive Management Area	IV-64
Resource Goals, Direction, and Forest-wide Standards and Guidelines	IV-70

TABLE OF CONTENTS

continued

	PAGE
CHAPTER 4. FOREST MANAGEMENT DIRECTION (continued)	
Physical Environment	
Geology, Soil, and Watershed Management.....	IV-70
Air Quality	IV-72
Biological Environment	
Biological Diversity	IV-73
Vegetation Management (including Timber)	IV-74
Native Plant Material Use	IV-81
Sensitive Plant Species	IV-83
Survey and Manage	IV-84
Wildlife Resource Management	IV-96
Aquatic and Riparian Ecosystems	IV-106
Social Environment	
Native American Trust Responsibility	IV-112
Rural Community Assistance	IV-113
Resource Management Programs	
Heritage Resources	IV-114
Transportation and Facilities Management	IV-115
Fire and Fuels Management	IV-116
Lands	IV-118
Minerals	IV-119
Range	IV-120
Recreation	IV-122
Special Forest Products	IV-125
Pests	IV-129
Visual Quality	IV-131
CHAPTER 5. MONITORING AND EVALUATION	
Introduction	V-1
Implementation	V-1
Planning and Program Development	V-1
Project Environmental Analysis	V-5
Program Budget Process	V-9
Monitoring and Evaluation	V-9
Adaptive Management	V-9
Monitoring Actions	V-10
Evaluation and Management Responses	V-23
Amendment and Revision	V-24

TABLE OF CONTENTS

continued

	PAGE
CHAPTER 6. LIST OF PREPARERS	VI-1
CHAPTER 7. LITERATURE CITED	VII-1
APPENDICES	
A. Smith River NRA Management Plan and Addendum	A-1
B. Tentative 10-Year Timber Sale Action Plan	B-1
C. Sensitive Plant Species	C-1
D. Threatened, Endangered, Candidate and Sensitive Wildlife Species	D-1
E. Timber Data	E-1
F. Range Allotment Maps and Project Decision Priorities	F-1
G. Research Needs	G-1
H. Resource-Specific Monitoring Programs	H-1
I. Recreation Opportunity Spectrum (ROS) Maps	I-1
J. Wild and Scenic River Corridor Maps	J-1
K. Port-Orford-cedar Action Plan	K-1
L. Soil Quality Standards	L-1
M. Best Management Practices	M-1
N. Budgets and their Relationship to the Plan	N-1
O. Landownership Adjustment Strategy	O-1
P. Tentative Watershed Analysis Schedule	P-1

LIST OF FIGURES AND TABLES

FIGURE		PAGE
IV-1	Siskiyou Wilderness Opportunity Classes.....	IV-18
V-1	Forest Planning and Project Implementation.....	V-3
E-1	Long Term Sustained Yield and ASQ.....	E-3
E-2	Harvest Types Acres per Year.....	E-4
E-3	Harvest Type Volume per Year.....	E-4
F-1	Range Allotment Maps - Lower Trinity Ranger District.....	F-2
F-2	Range Allotment Maps - Mad River Ranger District.....	F-3
N-1	Budget Process Flow Chart.....	N-2
N-2	Comparison of Plan Budget and Average 1988-1990 Budget.....	N-6
O-1	Land Adjustment Parcels - Smith River NRA.....	O-3
O-2	Land Adjustment Parcels - Orleans Ranger District.....	O-4
O-3	Land Adjustment Parcels - Lower Trinity Ranger District.....	O-5
O-4	Land Adjustment Parcels - Mad River Ranger District.....	O-6

TABLE		PAGE
IV-1	Acres by Management Area and FSEIS ROD Allocation.....	IV-iii
IV-2	Projected Forest Outputs.....	IV-5
IV-3	Six Rivers National Forest Management Areas.....	IV-9
IV-4	Management Area Acreage.....	IV-10
IV-5	Siskiyou Wilderness Resource and Social Indicators.....	IV-17
IV-6	North Fork Wilderness Limits of Acceptable Change.....	IV-22
IV-7	Recommended Management Range for Vegetation.....	IV-76
IV-8	Snag and Log Numbers.....	IV-79
IV-9	Survey and Manage Species.....	IV-86
IV-10	Wildlife Management Indicator Species.....	IV-97
IV-11	Wildlife Standards and Guidelines and Restriction Periods.....	IV-98
IV-12	Key Watersheds.....	IV-109
IV-13	Range Ecological Conditions.....	IV-120
IV-14	Range Minimum Residual Dry Matter.....	IV-120
IV-15	Range Maximum Utilization Standards.....	IV-120
IV-16	Special Forest Products List.....	IV-127
IV-17	Special Forest Product Groups.....	IV-128
V-1	Supplemental Strategies Needed to Implement the Forest Plan.....	V-7
V-2	Existing Plans or Strategies to be Incorporated into the Forest Plan.....	V-8
V-3	Effectiveness Monitoring Program.....	V-14
B-1	Tentative 10-Year Timber Sale Action Plan.....	B-1
C-1	Sensitive Plant Species on the Six Rivers NF.....	C-1
D-1	Threatened, Endangered, Candidate and Sensitive Wildlife Species.....	D-1
E-1	Land Classification.....	E-1
E-2	Present and Future Forest Conditions.....	E-2
E-3	Vegetation Management Practices.....	E-2
E-4	Timber Productivity Classification.....	E-2
E-5	Allowable Sale Quantity and Timber Sale Program Quantity.....	E-3
F-1	Range Project Decision Priorities.....	F-1
N-1	Comparison of 1988-1990 Budget with Plan Budget.....	N-3
P-1	Tentative Schedule for Watershed Analysis.....	P-1
P-2	Acres by Watershed, Management Area, and President's Plan Allocation.....	P-2

Standards and Guidelines

Fire/Fuels Management

1. Aerial retardants that have short lived dye qualities should be used, if available, when suppressing fires.
2. Hand tools will be used to construct fire lines unless otherwise approved by the Forest Supervisor. The development or use of helicopter landing sites should not occur.

Lands

1. Commercial uses or activities are inappropriate and will not be permitted.

Minerals

1. These lands will be considered for recommendation to withdraw them from mineral entry, subject to valid existing rights.
2. Authorized activities will preclude undue and unnecessary degradation of the NACUA characteristics if surface-disturbing activities are permitted by valid existing rights. All claimed valid existing rights will be verified by a Forest Service mineral examiner prior to authorizing any surface-disturbing mineral activities or access development.

Native American Trust Responsibility

1. If management activities are contemplated, contemporary American Indian users will be consulted and their concerns addressed. Additional protective measures should be designated as necessary. As contemporary users come forth with additional information regarding NACUAs, Forest staff should evaluate and give consideration to the issues raised. Resolution could include relocating the protective zones, adopting additional protective measures, or revising existing protective measures.

Pest Management

1. In order to reduce the spread of Port-Orford-cedar root disease, a risk analysis will be completed for all projects (see 20-7) in watersheds containing Port-Orford-cedar.

Plant Management

1. Any projects needed to meet the objectives of recovery plans for endangered or threatened species, or management plans for sensitive species, will be coordinated with Native American groups.

Recreation

1. Recreational use will not be encouraged because of the solitude and privacy desired by the American Indian users. Additional recreational developments should not be undertaken unless needed to protect cultural values. The placement of protective improvements is consistent with the management goals.
2. Maintain a semi-primitive non-motorized ROS class where existing conditions allow.

Timber

1. There will be no regulated timber harvest from the NACUAs.

Transportation and Facilities Management

1. Existing facilities will be allowed to remain. New roads and trails should not be built.

Visual Resources

1. Visual management will meet preservation VQOs.

Wildlife Resource Management

1. When salvage occurs, maintain the retention legacy as described in the vegetation section of the standards and guidelines in this chapter.

Timber and other Forest Products

1. Cutting and removing vegetation, including firewood and Christmas tree cutting, will be prohibited, except as part of an approved scientific investigation.
2. Collection of plant material as a special forest product for personal or commercial use is not compatible with the management direction for RNAs.
3. Plants collected for scientific purposes as a component of a research project proposal require a collection permit from the Supervisor's Office.

Transportation and Facilities Management

1. New facilities will not be built except on or to access valid existing mining claims with approved operating plans, or as required by an authorized study. New roads, trails, fences, or signs will not be permitted on RNAs unless they contribute to the objectives or protection of the area.
2. Existing roads or trails identified as contributing to resource damage shall be repaired to mitigate the problem, closed on a seasonal or year-round basis, or decommissioned. The course of action will depend on the severity of the resource problem and the potential for continued damage.

Visual Resources

1. RNAs should meet preservation VQOs, except in limited areas containing existing roads and trails.

MANAGEMENT AREA 6 - NATIVE AMERICAN CONTEMPORARY USE AREA (NACUA)

The need for the designation of NACUAs was identified specifically on the Forest for eleven cultural sites as a result of the Blue Creek Unit Plan administrative review decision by Forest Service Chief Max Peterson (11-17-81). The sites have been included in the Helkau District which is eligible for the National Register of Historic Places. Established is a one-half mile radius protective zone to minimize potential for conflicts between recreation and Native American spiritual uses around each of the following cultural sites: (1) Dr. Rock #1, (2) Peak 8, (3) Bad Place, (4) Chimney Rock, (5) South Red Mountain #1, (6) South Red Mountain #2, (7) Dr. Rock #2, (8) Meadow Seat, (9) Classic Prayer Seat, and (10) Turtle Rock. Also, a one-quarter mile wide protective zone was established along the Golden Stairs Trail from the Forest boundary to Road 15N01. Other dispersed recreation uses of the areas are not prohibited, and will undoubtedly occur, but this use will be secondary to the intent for the establishment of this management area.

Goals

These NACUA sites will be preserved and protected for the solitude and privacy of Native American users. Provide protection of the ceremonial values that exist in these areas.

Desired Condition

NACUAs will be influenced primarily by ecological processes. Native American spiritual use will be the most frequent activity in these areas, and other types of visitation will be rare. Signs of management activity will not be readily apparent. The integrity of the areas will be maintained in a manner consistent with Indian Tribes' customs and culture.