U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management

ONRC Action v. Bureau of Land Management
Civil Case No. 96-00422-HA
Administrative Record

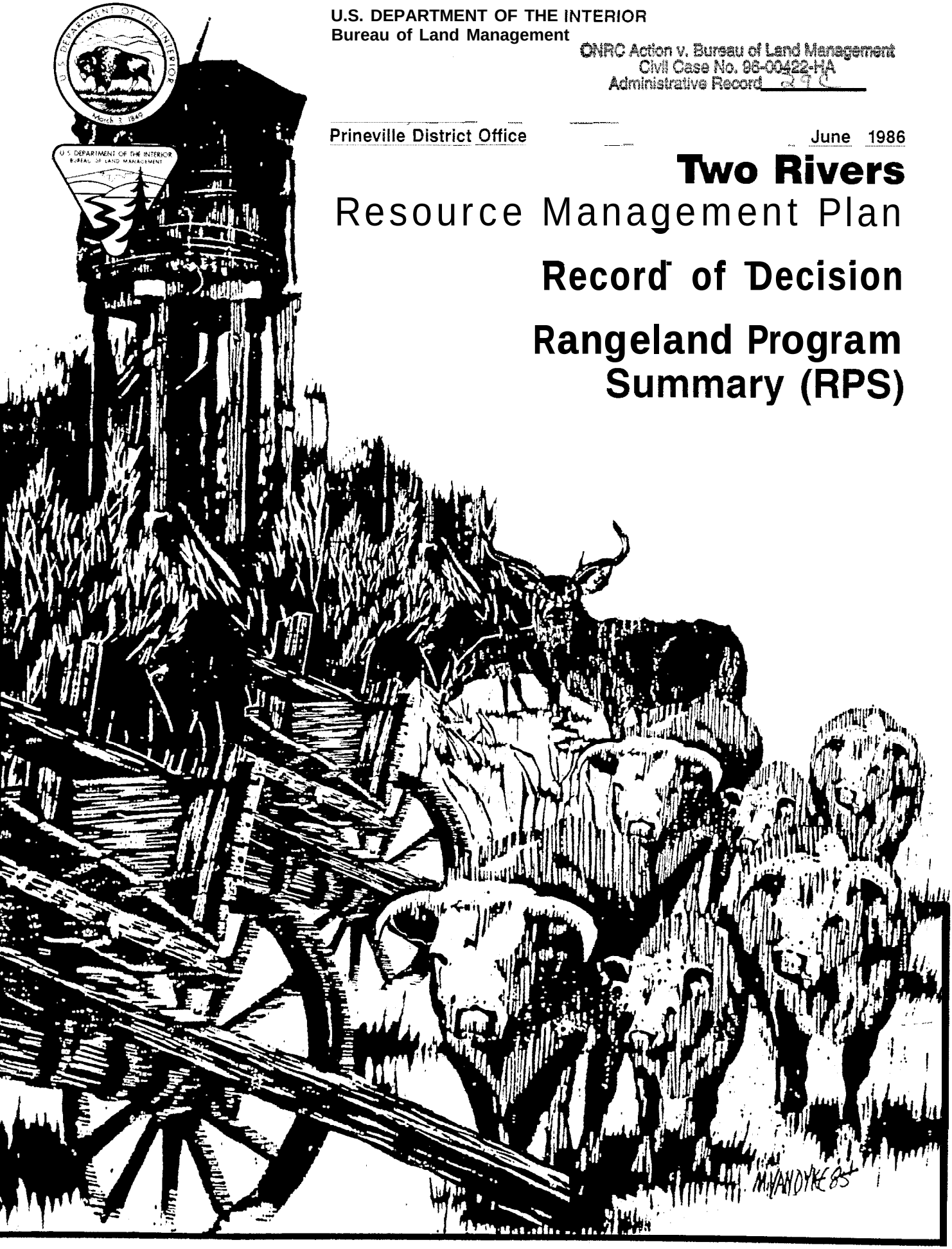
Prineville District Office

June 1986

# Two Rivers
# Resource Management Plan

# Record of Decision

# Rangeland Program Summary (RPS)



BLM-OR-PT-86-014-1792

**U.S. DEPARTMENT OF THE INTERIOR**
**Bureau of Land Management**

# Two Rivers
## Resource Management Plan

# Record of Decision

## Rangeland Program Summary (RPS)

Prepared By
**Department of the Interior**
Bureau of Land Management

# Record of Decision

# Two Rivers Resource Management Plan
# Prineville District, Prineville, Oregon

This resource management plan documents decisions reached by the Bureau of Land Management (BLM) for resource management on 324,795 acres of public lands in the Prineville District. Implementation of the decision provides for harvest of timber on 10,715 acres with a sustainable harvest level of 14.1 million board feet (MMbf) per decade; grazing management will continue on 292,736 acres (233 grazing allotments) of public land; riparian vegetation condition will be enhanced on 1,057 acres; wildlife and fish habitat will be maintained or improved; approximately 1,000 acres of public land may be offered for sale annually: and cultural. soil! water. botanical, visual and recreational resources will be protected.

## Alternatives Considered and Rationale for Decision

Five alternatives for managing the public lands in the Two Rivers Planning Area were analyzed in the Resource Management Plan/Environmental Impact Statement (RMP/EIS). The environmental consequences of implementing each of the alternatives were described in detail in chapter 4 of the Draft Two Rivers RMP/EIS. They are summarized in Table 1 of this document.

The selected Resource Management Plan (the Preferred Alternative in the Draft RMP/EIS) emphasizes pro= duction on a sustained yield basis, and use of renewable resources on the majority of public lands in the Two Rivers Planning Area, It also provides for protection, maintenance or enhancement of riparian, soil, water, botanical and recreational resource values as well as wildlife habitat. This alternative is the environmentally preferable alternative. This Resource Management Plan best meets national guidance, best satisfies the planning criteria, including consistency with other Federal, state, local and tribal plans and best resolves issues while contributing to the local economy.

The Emphasize Commodity Production and Enhancement of Economic Benefits Alternative would have emphasized economic benefits to the economy through production of goods and services on public lands to meet local and possibly regional demands.

The Continue Existing Management Alternative would have provided for management of all resources at current levels. This is the No Action Alternative required by the National Environmental Policy Act.

The Emphasize Natural Values While Accommodating Commodity Production Alternative would have provided for protection, maintenance and enhancement of the natural environment. The production of commodities would have occurred where significant conflicts with the protection of natural values could be avoided or mitigated.

The Emphasize Natural Values Alternative would have enhanced natural values in all areas.

## Mitigation Measures

All protective measures and standard operating procedures identified in the plan will be taken to mitigate adverse impacts. These measures will be strictly enforced during implementation, Monitoring and evaluation will tell how effective these measures are in minimizing environmental impacts. Therefore, additional measures to protect the environment may be taken during or following monitoring.

# District Manager Recommendation

I recommend adoption of the Two Rivers RMP/EIS of September, 1985,

Signed: James L. Hancock
James L. Hancock
District Manager, Prineville

Date: JUN 6 1986

# State Director Approval

I approve the Two Rivers RMP/EIS decisions as recommended. Individual grazing decisions will be issued all affected lessees for those allotments where changes are proposed and agreement has not been reache Those decisions will explain and provide for the protest and/or appeal procedures under 43 CFR 41160 and 43 CFR 4.470.

This document meets the requirement for a Record of Decision as provided in 40 CFR 1505.2.

Signed: William G. Leavell
William G. Leavell
State Director, Oregon/Washington
Bureau of Land Management

Date: JUN 6 1986

## Table I--Summary, Long Term Environmental Consequences: Comparison of Alternatives

| Resource | Unit of Measure | Existing Situation | Alternative A (Preferred) | Alternative B (Commodity Production) | Alternative C (Existing Management) | Alternative D (Natural Values w/Commodities) | Alternative E (Natural Values) |
|---|---|---|---|---|---|---|---|
| Soil | | | | | | | |
| Streambank Stability | — | — | +M | +L | NC | +M | +M |
| Water | | | | | | | |
| Quality | — | — | +L | +L | NC | +L | +L |
| Vegetation | | | | | | | |
| Vegetation Type | — | — | L | L | NC | L | L |
| Ecological Conditions | 000's of acres | | | | | | |
| Climax | | 25 | 24 | 24 | 17 | 24 | 24 |
| Late Seral | | 107 | 168 | 168 | 101 | 168 | 175 |
| Mid Seral | | 95 | 65 | 64 | 90 | 65 | 59 |
| Early Seral | | 88 | 58 | 56 | 107 | 58 | 57 |
| Other | | 9 | 9 | 12 | 9 | 9 | 9 |
| Plant Diversity | 000's of acres | | | | | | |
| High | | 95 | 116 | 115 | 94 | 115 | 116 |
| Low | | 220 | 199 | 200 | 221 | 200 | 199 |
| Unknown | | 9 | 9 | 9 | 9 | 9 | 9 |
| Riparian | acres | | | | | | |
| Climax | | 223 | 1,024 | 821 | 363 | 1,024 | 1,024 |
| Late Seral | | 196 | 0 | 0 | 140 | 0 | 0 |
| Mid Seral | | 137 | 256 | 332 | 63 | 256 | 256 |
| Early Seral | | 724 | 0 | 127 | 712 | 0 | 0 |
| Threatened, Endangered or Sensitive Species | — | — | NC | NC | NC | NC | NC |
| Wildlife | | | | | | | |
| Upland Habitat | | — | +M | -L | NC | +M | +M |
| Riparian Habitat | | — | +H | +L | NC | +H | +H |
| Fish | | — | +M | +L | NC | +H | +H |
| Livestock Grazing | | | | | | | |
| Available Forage | AUMs | 17,778 | 19.920 | 24.217 | 17,778 | 13,834 | 0 |
| Forest Products | | | | | | | |
| Sustained Harvest Level/decade | MMbf | 14.3 | 14.1 | 14.5 | 14.3 | 14 2 | 2. |
| Energy & Minerals | | | | | | | |
| No Oil & Gas Leasing | | 3,000 | 3,000 | 3,000 | 3.000 | 3.000 | 3,000 |
| No Surgace Occupancy (Oil and Gas) | | 132.000 | 132,000 | 60,000 | 132,000 | 150.000 | 200,000 |
| Economic Conditions | | | | | | | |
| Long Term Loss or Gain in Value | dollars | -- | +129,000 | +386000 | 0 | -237,000 | -1,066,000 |
| Recreation | | | | | | | |
| Visitors Use Levels | visitor davs | 62,000 | +L | +L | NC | +L | +L |
| Off Road Vehicle | | | | | | | |
| Limitation/Closure | acres | — | 20,000 | 10,000 | 20,000 | 150,000 | 200,000 |
| Cultural Resources | | | | | | | |
| Protection of Values | — | — | +L | +L | NC | +L | +M |
| Visual Resources | | | | | | | |
| Protection/Enhancement of Visual Quality | — | — | +L | +L | NC | +! | +M |
| Special Management Areas | | | | | | | |
| Protection of Values | — | — | +L | +L | -L | +L | +L |

+ = beneficial impact
— = adverse impact
NC = no change
L = low
M = moderate
H = high

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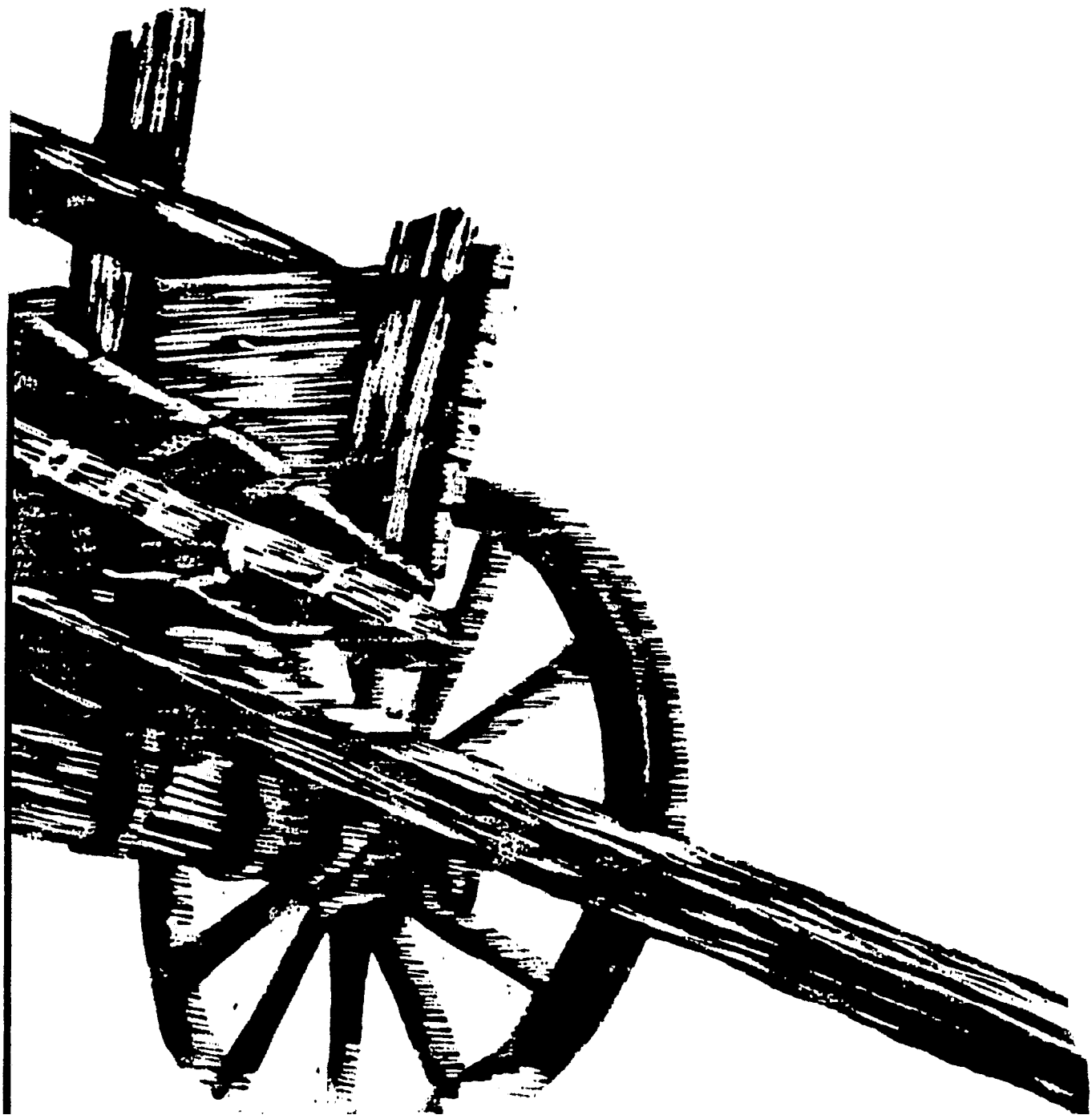
# Chapter 1
# Introduction



**Old wagons on the banks of the John Day River**

# Introduction

This plan contains the decisions on all land use proposals presented in the September 1985 final environmental impact statement (EIS) and describes in general terms the implementation. monitoring and amendment processes for those decisions. It describes how each resource will be managed: the order in which projects will be implemented, and what support will be needed.

The plan does not present information on environmental consequences, rationale, consistency. or effects of the management. This information was previously covered in the draft and final EIS's, which may be obtained by contacting the Prineville District Office,

Wilderness study areas within the planning area will be addressed in the BLM Oregon Statewide Wilderness EIS. A supplement to the draft wilderness EIS is being prepared to analyze wilderness values of public lands acquired after the passage of the Federai Lands Policy and Management Act in 1976 and lands that have been reinstated as WSA land through the court decision in Sierra Club vs. Watt. This analysis involves the North Pole Ridge and Lower John Pay WSAs. After public comments on this supplement have been reviewed! a final be prepared and a recommendation will be submitted to Congress for action.

The rangeland program summary portion of this document summarizes the livestock grazing management program and grazing decisions reached through this plan and consultation with affected parties. The rangeland program summary describes the selective management category for each allotment and gives a proposed schedule for issuance of grazing decisions where grazing capacities are known. It also details the studies and actions to be taken to determine use levels for those allotments where grazing capacity is not known.

# Purpose and Need

This plan provides a bread framework for multiple use management on public land. This plan makes land use allocations. sets broad production goals, and protects important resource values.

This plan meets the requirements in the Federal Land Policy and Management Act of 1976 for land use planning (43 CFR. Par? 1600). Ii also satisfies the BLM's policy to (1) complete livestock grazing environmental impact statements; and (2) ideniify public land as open, closed! or limited for off road vehicle use (Executive Order 11989). II also will be used to calculate a sustained yield harvest level of forest products from BLM managed commercial forestlands in the Two Rivers Planning Area.

# Description of the Planning Area

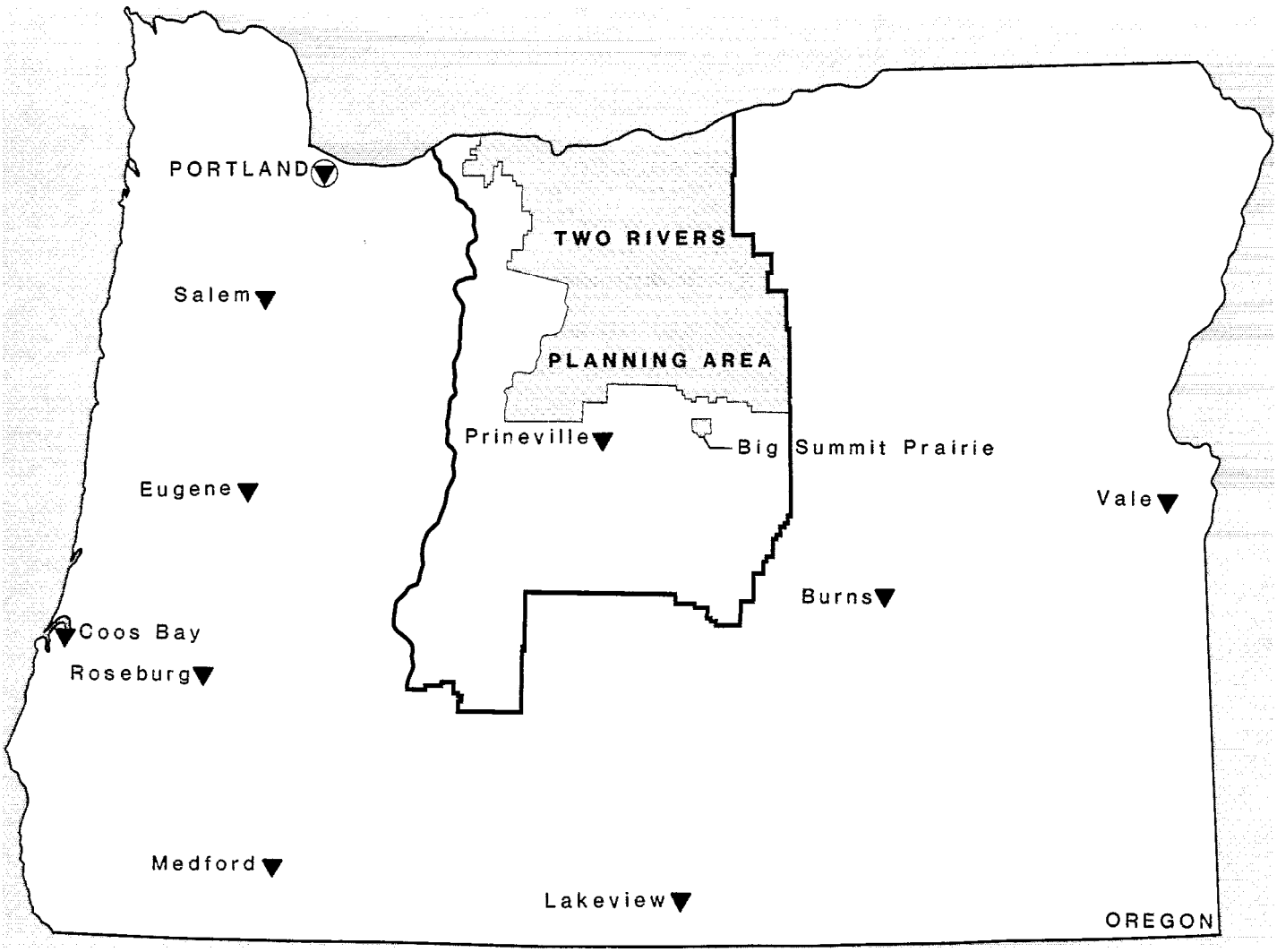
This document provides a comprehensive framework for managing public lands and allocating resources in the Two Rivers Planning Area for the next 10 to 15 years. It provides the direction and policy for the management of 324,705 acres of public land and 384,074 acres of subsurface mineral estate underlying private land where the Bureau of Land Management (BLM) is the administering agency. All acreages and other figures contained in this document are accurate as of January 1, 1986. As land tenure adjustments and other actions continue, these figures will change accordingly,

The land being considered in the Two Rivers RMP/EIS is located in the Central Oregon corridor between the Cascade Mountain Range on the west, and Morrow and Grant counties to the east, in an area north from Crook and Jefferson counties to the Columbia River as shown on Map 1. The area includes public lands scattered across seven counties as shown in Table 2 and on Map 2.

The planning area is bounded by four national forests—Mt. Hood, Deschutes. Ochoco and Umatilla-and the John Day Fossil Beds National Monument, which is administered by the National Park Service. Also located adjacent to the Planning area is the reservation of the Confederated Tribes of Warm Springs.

**Table 2 - Public Land Acreage by County**

| County | Public Land Administered by BLM | Private Surface Federal Subsurface Mineral Estate | Total Acreage of County |
|---|---|---|---|
| Crook (Big Summit Prairie) | 4,431 | 1,201 | 1,908,000 |
| Gilliam | 52,913 | 53,825 | 1,312,000 |
| Hood River | 360 | 96 | 343,000 |
| Jefferson | 45,844 | 79,570 | 1,149,000 |
| Sherman | 54,576 | 24,357 | 534,000 |
| Wasco | 71,429 | 103,901 | 1,531,000 |
| Wheeler | 95,157 | 121,124 | 1,092,000 |
| Total Acreage | 324,705 | 384,074 | 7,869,000 |




BLM State Office

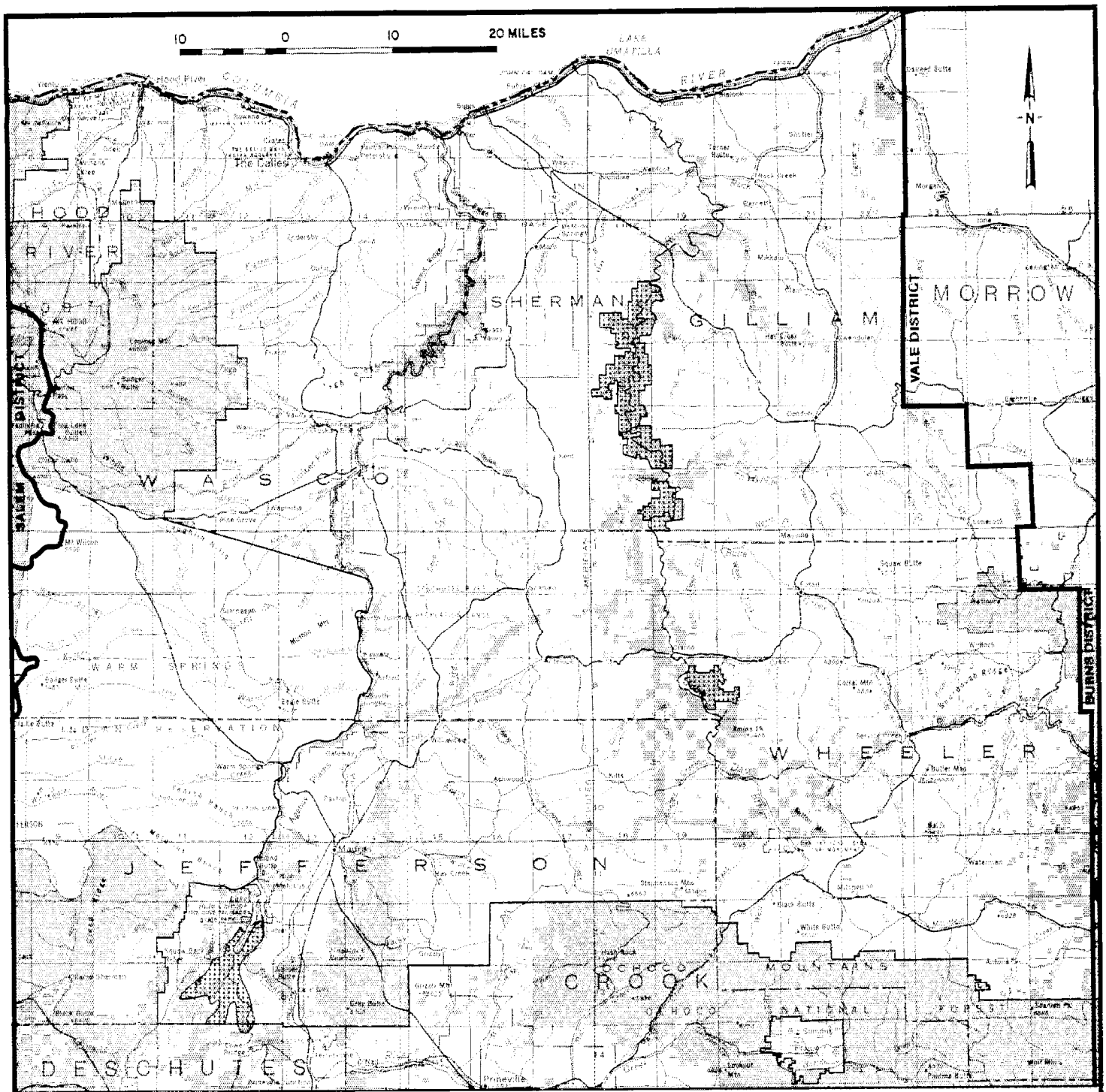
BLM District Office

District Boundary

Two Rivers Planning Area

U. S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
PRINEVILLE DISTRICT
1986

**MAP 1**
**General Location**




U. S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
PRINEVILLE DISTRICT
1986

BLM Land (Public Land)

U. S. Forest Service

Areas Considered for Wilderness Designation in Seperate Studies

Two Rivers Planning Area Boundary

## MAP 2
## Planning Area and Land Status

Also included is Big Summit Prairie, an island of public and private land surrounded by the Ochoco National Forest in Crook County. The proposed interchange of lands between the Bureau of Land Management and the U.S. Forest Service would transfer public lands in Big Summit Prairie along with 360 acres in Hood River County, 6,120 acres in Wasco County, 3,900 acres in Jefferson County and 50,147 acres in Wheeler County from the Bureau of Land Management to the U.S. Forest Service. These public lands will, however, continue to be managed under the decisions contained in this plan regardless of which agency has administrative responsibility.

The Bureau of Land Management administers the public lands in the planning area from the District Office in Prineville, Oregon. The intermingling of public land with other Federal lands administered by other agencies has led to cooperative management on some of the lands.

# Implementation

Decisions in this plan will be implemented over a period of years and are tied to the BLM budgeting process. Therefore, priorities have been established for each resource to guide the order of implementation. Priorities for each program will be reviewed annually to help develop the work plan commitments for the coming year. The priorities of implementation are presented by resource in Chapter 2.

# Valid Existing Rights

This plan will not repeal valid existing rights on public lands, Valid existing rights are those claims or rights to public land that take precedence over the actions in this plan. Valid existing rights may be held by other federal agencies or by private individuals or companies. Valid existing rights may pertain to mining claims, oil and gas leases, rights-of-way, and water rights.

# Administrative Actions

Various types of administrative actions will require special attention beyond the scope of this plan. Administrative actions are the day to day transactions required to serve the public and to provide optimal use of the resources. These actions are in conformance with the plan. They include issuance of permits for fuelwood, sawtimber, Christmas trees, and competitive and commercial recreation activities; lands actions, including issuance of grants, leases, permits, and resolution of trespass; facility maintenance; law enforcement; enforcement and monitoring of permit stipulations; cadastral surveys to determine legal land ownership: and engineering support to assist in mapping, designing, and implementing projects. These and other administrative actions will be conducted at the resource area, district, or state level. The degree to which these actions are carried out will be based upon BLM policy. available personnel, and funding levels.

# Public Involvement

The Two Rivers RMP/EIS was prepared by an interdisciplinary team of specialists from the Prineville BLM District Office. Writing of the RMP/EIS began in October 1984; however, the RMP/EIS process began much earlier and included resource inventory, public participation, interagency coordination, and preparation of a management situation analysis (on file at the Prineville District Office). Consultation and coordination with agencies, organizations, and individuals occurred throughout the planning process.

A notice was published in the Federal Register and local news media in April 1984 to announce the formal start of the RMP/EIS planning process. At that time a planning brochure was sent to the public to request further definition of issues within the planning area. An opportunity was provided to submit comments on tentative alternatives and the proposed criteria to be used in formulating the final alternatives to be analyzed in the RMP/EIS alternatives,

In August 1984 a notice of document availability was published in the Federal Register and in the local news media for the Two Rivers Resource Management Plan Proposed Land Use Alternatives brochure. An outline of proposed alternatives and major issues were included in this document. Three alternatives portrayed various resource programs showing a range from emphasis on production of commodities to an emphasis on enhancement of natural values with a middle ground alternative attempting to provide a balance between the two. A fourth alternative (no action) reflected existing management. The proposed alternatives brochure included a map showing the categorization of grazing allotments and another map which divided the public lands into three different zones for the purpose of identifying public land values. Neither map generated any public comment during the EIS scoping process.

On April 12, 1985, a notice of document availability was published in the Federal Register and in local news media for the Draft Two Rivers Resource Management Plan/Environmental Impact Statement. Public meetings were held in Condon on May 21, 1985, and in Grass Valley on May 22, 1985, for the purpose of receiving oral and written comments. Twenty four public comment letters were received

and responded to in the final EIS. The Draft RMP/EIS was also discussed with the Prineville District Advisory Council and Grazing Baard on June 14 and respectively, The District Advisory Council and Grazing Board supported riparian management as proposed and the need for maintaining a balance with livestock grazing was voiced, Land sales! mineral leasing and agricultural permits were supported as proposed. Concern was expressed about ORV use and rockhounding as it could affect private land.

On September 27, 1985, a notice of document availability was published in the Federal Register for the Proposed Two Rivers Resource Management Plan and Final Environmental Impact Statement, Five comment letters were received. Three of the comment letters discussed concerns regarding levels of livestock grazing on public lands and the economic costs to the taxpayer. One commentor felt that minerals data was lacking in the planning area and the potential for minerals exploration and development was unduly constrained under the proposed plan. The last commentor supported the proposed plan. One protest was filed against the proposed resource management plan. The protestor stated that livestock grazing on public land at the current fee of $1.35 per animal unit month was a subsidy by the taxpayer and the environmental impact statement should analyze the loss to the taxpayer as a result of continuing or increasing levels of livestock grazing. The protest **was** addressed and subsequently denied by the Director of BLM because the fee issue is beyond the scope of a planning document such as the Two Rivers RMP/EIS.

# Summary of Alternatives

Five multiple use alternatives for the management of public lands in the Two Rivers Planning Area were developed and analyzed in accordance with the Bureau's planning regulations issued under authority of the Federal Land Policy and Management Act of 1976. The alternatives responded to eight major issues: livestock grazing, riparian management, wildlife habitat, land tenure and access! minerals management, forestry, recreation and special management areas identified through the planning process. The purpose of the proposed alternatives were to present and evaluate options for managing, protecting and enhancing public resources,

**Mule team pulling wheat combine near the Columbia River**

# Environmental Preferability of the Alternatives

Environmental preferability is judged using the criteria in the National Environmental Policy Act of 1969 (NEPA). Title 1, Section 101(b) of NEPA establishes the following goals:

1. Fulfill the responsibilities of each generation as trustee of the environment for succeeding generations;

2. Assure for all Americans a safe, healthful, productive, and esthetically and culturally pleasing surroundings;

3. Attain the widest range of beneficial uses of the environment without degradation, risk to health or safety, or other undesirable and unintended consequences;

4. Preserve important historic, cultural. and natural aspects of our national heritage, and maintain, wherever possible, and environment which supports a diversity and variety of individual choice;

5. Achieve a balance between population and resource use which will permit high standards of living and a wide sharing of life's amenities; and

6. Enhance the quality of renewable resources and approach the maximum attainable recycling of depletable resources.

The Preferred Alternative in the EIS ranked first in overall environmental preferability. It was considered to be in compliance with all NEPA goals, especially goals 1, 3, 5 and 6. The Preferred Alternative was followed by the Emphasize Natural Values While Accommodating Commodity Production Alternative (Alternative D). The Emphasize Natural Value Alternative (Alternative E) followed Alternative D in environmental preferability. While Alternatives D and E were in greater compliance with goal 2 than the Preferred Alternative, they did not comply as well with goals 5 and 6.

The Emphasize Commodity Production and Enhancement of Economic Benefits Alternative (Alternative B) was in greatest compliance with goal 6 and to a lesser degree goals 1 and 5 because of its emphasis on economic and commodity production. The Continue Existing Management or No Action Alternative (Alternative C) was in compliance with goals 2 and 4 because it maintains current conditions. This alternative was not in compliance with goals 1, 3, 5 and 6 since it makes no attempt to enhance environmental quality of diversity and does not improve social or economic well being.

# Chapter 2
# Two Rivers Resource Management Plan Decisions

**Old railroad trestle at Gordon Canyon**

# Introduction

This chapter describes the RMP, which provides a middle ground or balance between the protection of resources and the produG?ion and development of renewable and nonrenewable resources. Management actions were selected on the basis of their ability to resolve issues raised during the planning process, satisfy planning criteria and public input. and mitigate environmental consequences.

The plan is the Preferred Alternative {Alternative A) identified in the Two Rivers Resource Management Plan and Environmental Impact Statement (RMP/EIS). No changes have occurred from the proposed plan in the Final RMP/EIS.

Approval of the RMP marks the completion of one stage of the planning process. The RMP is not a final implementation decision on actions which require further specific plans, process steps, or decisions under specific provisions of law and regulations. More site specific plans or activity plans, such as habitat management plans (HMPs) will be done through the resource activity programs. Procedures and methods for accomplishing the objectives of the RMP will be developed through activity planning. Further environmental analyses will be conducted and additional engineering and other studies or project plans will be done if needed,

# Goal and Objectives of the Plan

Goal: Provide for Commodity Production While Protecting Natural Values

Objectives:

1. Maintain forage production and livestock use at 17,776 AUMs. Maintain current livestock grazing levels and meet riparian and upland vegetation management objectives.

2. Manage riparian areas along the Deschutes and John Day rivers and their major tributaries to full potential, with a minimum of 60 percent of the vegetative potential to be achieved within 20 years.

3. Provide forage to meet management objective numbers of the Oregon Department of Fish and wildlife for deer and elk. Manage upland vegetation to achieve maximum wildlife habitat diversity. Manage. all streams with fisheries or fisheries potential to achieve a good to excellent aquatic habitat condition.

4. Place emphasis on retaining and expanding, by exchange of public land, holdings in: (1) areas of national significance, (2) areas where management is cost effective, and (3) where land is most appropriately managed in public ownership due to significant multiple resource values. Public lands having no reasonable opportunity for exchange would be offered for sale if they are: (1) difficult and uneconomical to manage and are not needed by another agency; (2) no longer needed for the specific purpose for which they were acquired or for any other Federal purpose: and (3) provide greater benefits to the public in private ownership. The transfer of public lands to other public land management agencies would occur if more efficient management of the land would result.

Authorize agricultural use of public lands if proposals are consistent with the management and protection of other values. Pursue attempts to acquire limited public access through exchange or negotiated easement, consistent with management objectives.

5. intensively manage commercial forestlands suitable for timber production but recognize harvest restrictions or exclusions to protect riparian vegetation, wildlife, visual and other resource values.

6. Keep public lands open for exploration and development of mineral resources and related rights of way. Retain restrictive stipulations for oil and gas exploration and development on 132,000 acres of public land.

7. Designate public lands as open to off road vehicles except in areas where that use would not be appropriate or where significant damage to soils, vegetation, wildlife or other natural values is resulting from that use.

Keep areas which have high or moderate quality collectible mineral resources, including plant and invertebrate fossils available for rockhounding. Public use areas would be reviewed on a case by case basis to insure that no significant conflict exists with the protection of other natural values.

8. Designate areas with identified outstanding natural or cultural values as areas of critical environmental concern. Maintain or improve other unique wildlife or ecological values.

# Planned Management Actions

This section describes the planned actions and determines priorities for implementing those actions. The management actions would be used to resolve the planning issues identified.

The priorities were established based on public input, administration policy, and Department of the Interior and BLM directives. These priorities may be revised as policy and directives change.

The highest priority for each resource includes funding normal operating costs, completing administrative duties, and processing public inquiries, Priorities are placed in one of three categories—high, medium or low based on comparative ranking of the management actions.

The listed support actions are foreseeable at this time. The need for additional support actions, such as engineering and other studies, or specific project plans may be identified as a result of further planning. All such actions will be designed to achieve the objectives of the RMP. Additional environmental analyses will be conducted where appropriate to supplement the analysis in the Draft RMP/EIS.

# Wildlife and Fish Habitat

## Direction

Livestock use on approximately 16,000 acres of deer and elk winter range and 7,500 acres of curlew nesting habitat as shown on Map 3 will be managed to be compatible with, or improve, wildlife habitat values. Upland vegetation will be managed through grazing management and range/wildlife habitat development to provide maximum wildlife habitat diversity (ecological condition of high mid seral to low late seral stage) and to provide sufficient forage to meet the big game management objectives of the Oregon Department of Fish and Wildlife.

Fish habitat developments on approximately 87 miles of tributary streams will include log and rock placements, gabion developments, as well as tree and shrub plantings. Riparian habitat improvement will be used to achieve a good to excellent aquatic habitat condition. The fish habitat developments will be concentrated on the tributary streams of the Deschutes and John Day rivers and will not include direct instream improvements in the main river channel.

## Implementation

Range developments will be designed to achieve both wildlife and range objectives. Existing fences may be modified, and new fences will be built to allow wildlife passage. Where natural springs exist, development will provide a more dependable water source for wildlife and livestock. Water troughs will accommodate use by wildlife and livestock. The spring area and the overflow will be fenced to prevent trampling.

Vegetative manipulation projects will be designed to minimize wildlife habitat impacts and to improve habitat when possible. The Oregon Department of Fish and Wildlife will have an opportunity to review all projects involving vegetation manipulation.

Habitat management plans will be written for selected areas of wildlife habitat, e.g., bighorn sheep, bald eagles, resident and anadromous fish. The plans will include detailed information on species emphasis, management objectives, constraints, planned actions! coordination with other programs and agencies, environmental analyses, implementation schedule and cost analyses and evaluation procedures. Priorities will be determined by need (shortage of habitat, conflict with other uses, potential or opportunity for improvement, etc.).

Crucial habitats will be monitored for forage production, habitat condition changes, and overall effectiveness of improvements. Monitoring studies will include browse, trend and remote sensing studies Wildlife habitat monitoring will enable the Bureau to make decisions on forage allocation and seasonal use restrictions based on monitoring as described in the livestock grazing section.

Streams will be monitored to ensure maintenance of water quality and riparian conditions and to evaluate the effectiveness of stream improvement practices. This monitoring includes riparian inventory and photo trend, water quality inventory, biotic condition index, fish census and remote sensing of riparian habitat. The priority in which these streams will be monitored for improvement is based upon characteristics of the fisheries, intensity of management, and available funding.

Continued seasonal restrictions will be applied to mitigate impacts of human activities on important seasonal wildlife habitat, Some important types of habitat include deer winter range, raptor nesting habitat, and curlew nesting habitat.

The priority for implementation will be as follows:

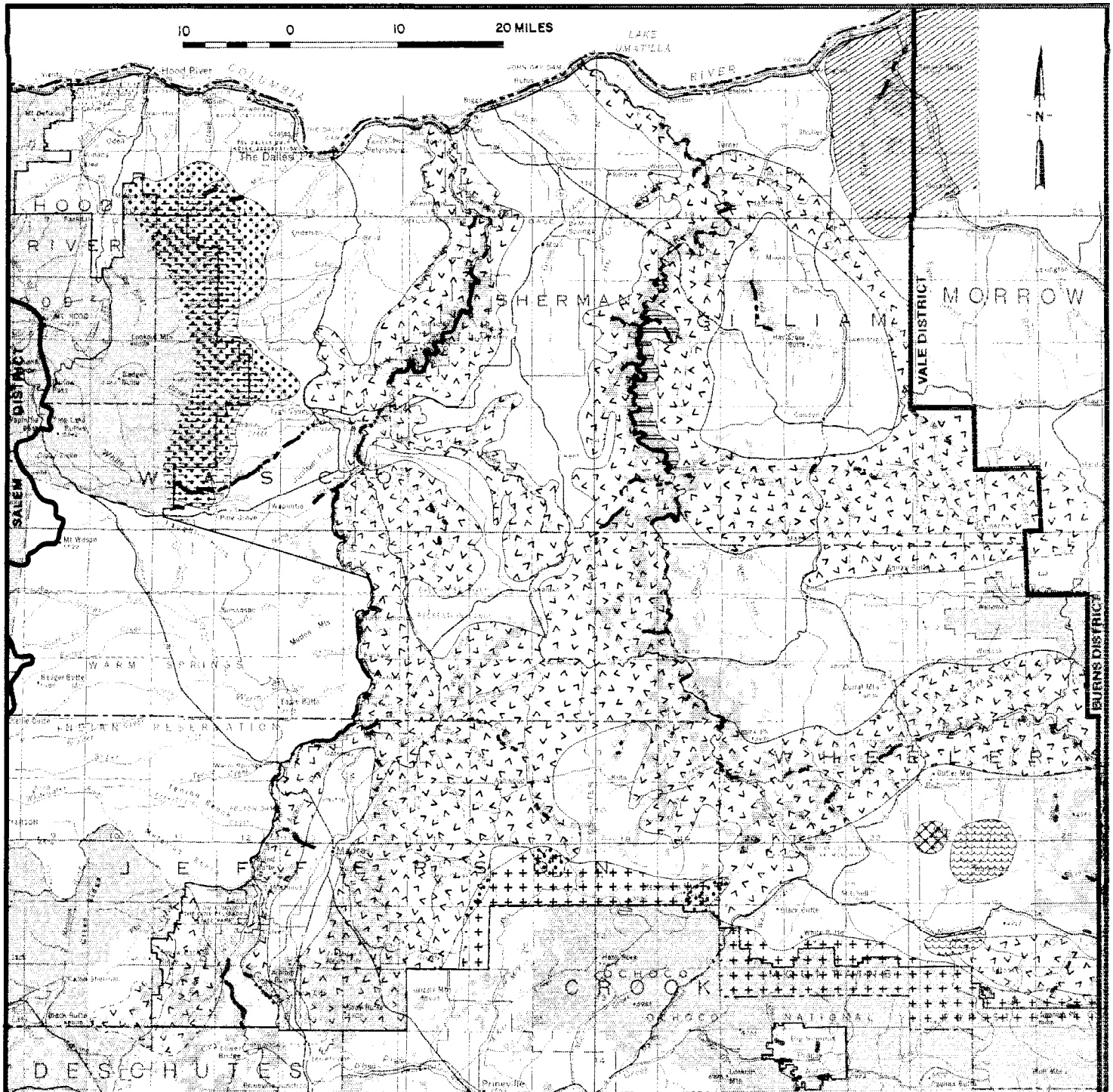
High--Monitor, maintain or improve habitat for threatened or endangered species (bald eagles),

Monitor, maintain or improve aquatic habitat on streams having good potential for fish management. Priorities will be based upon criteria set forth in the Draft RMPIEIS. Monitor, maintain or improve riparian habitat as identified in the Draft RMP/EIS. Monitor, maintain or improve bighorn sheep range.

**Medium**—Monitor, **maintain** or **improve winter** range for deer and elk. Place priorities for specific treatment in those areas having the greatest problems, the best potential or both. Monitor. maintain or improve aquatic habitat streams having nonintensive management values.

Low-Monitor and maintain aquatic habitat on streams having little or no fish management value. Monitor. maintain or improve habitat for game and nongame species.

**Mule deer near Stephenson Mountain**




Deer Winter Range

Elk Winter Range

Elk Yearlong Range

Antelope Yearlong Range

Potential California Bighorn Sheep Range

Deer/Elk Winter Range

Long Billed Curlew Nesting Habitat

Wild Turkey Habitat

Riparian Areas on Public Land

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# MAP 3
# Riparian Areas and Wildlife Habitat

# Livestock Grazing

## Direction

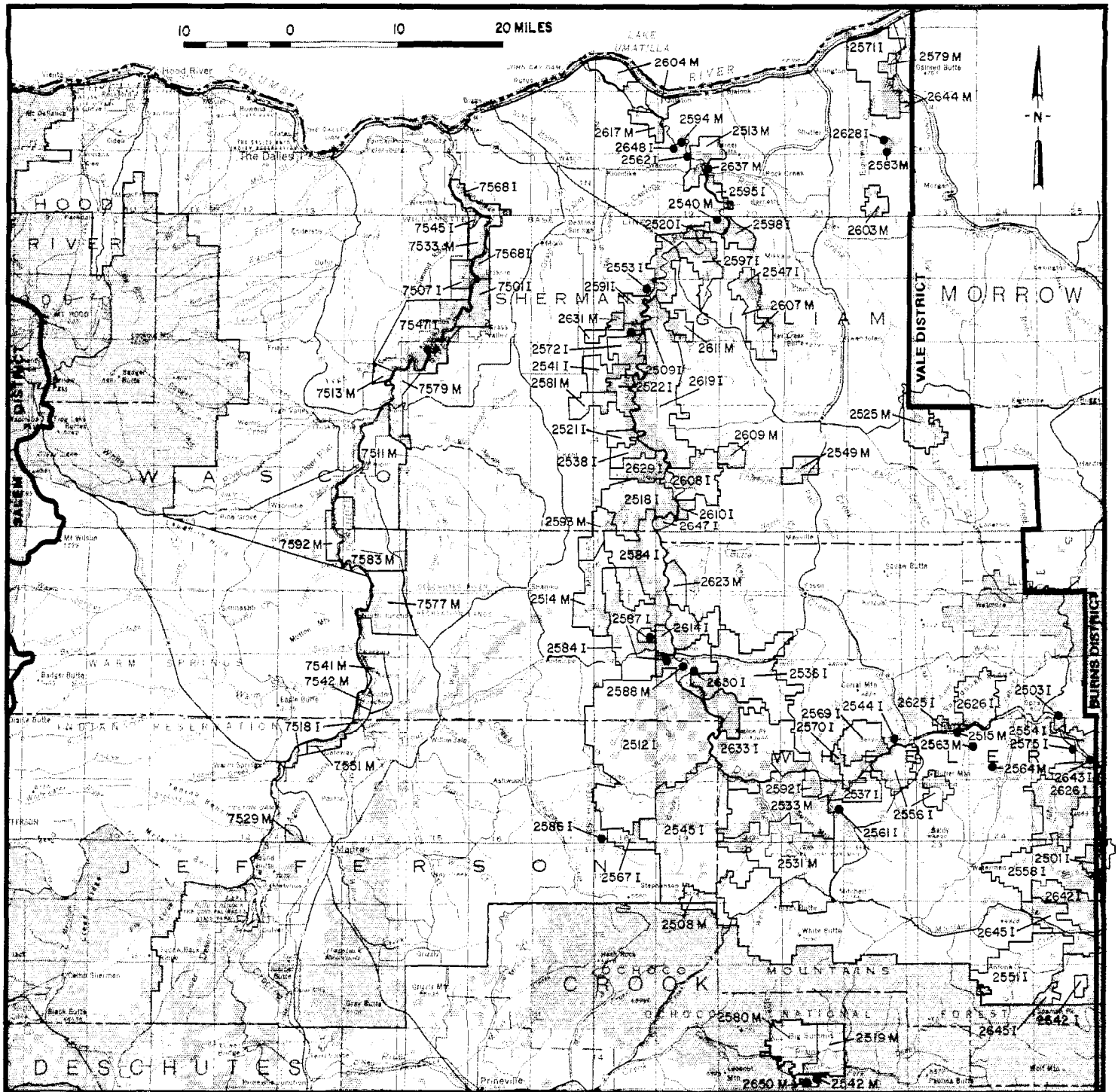
The availability of forage will remain at 17,778 AUMs in the short term. Sixty miles of fence will be constructed, approximately 7,800 acres of sagebrush will be controlled through prescribed burning. and 13 springs will be developed as shown in Appendix A. The design standards and standard operating procedures to be followed in constructing these range developments are discussed in Appendix B. As a result of range developments and improving ecological condition, and if substantiated by monitoring, available forage for livestock will be increased to 19,920 AUMs in the long term as shown in Appendix C. Livestock use in the Horn Butte (2571) and Hi Meadows (2644) Allotments as shown on Map 4 will be managed to enhance habitat for the long billed curlew.

Changes in periods of use or exclusion through construction of 131 miles of riparian protection fence! or a combination of both will occur where necessary to meet objectives, Intensive management, which will encourage a change in ecological condition toward climax, will be implemented on 259,000 acres. On the remaining 34,000 acres there will be less intensive management which will either improve or maintain existing conditions. Table 3 summarizes the number of allotments and acreages of public land and current grazing systems. It also indicates how these same allotments will be grazed in the future. Appendix D indicates current levels of livestock grazing and present ecological condition for all allotments. No allotments or entire pastures within allotments are proposed for exclusion of livestock,

**Table 3-Existing and Revised Grazing Systems**

| System[1] | Existing Situation No. Allot./Acres | Revised Grazing System No. Allot./Acres |
|---|---|---|
| Improve | | |
| 1 | 12150,178 | 591183,692 |
| 2 | 22163.243 | 0 |
| 3 | 25/70,271 | 0 |
| Maintain | | |
| 1 | 12/15,560 | 32/47,284 |
| 2 | 14/17,514 | 9/5,250 |
| 3 | 15/19.460 | 0 |
| Custodial | | |
| 1 | 1213,568 | 66128,643 |
| 2 | 47/25,078 | 67128,467 |
| 3 | 64327,864 | 0 |
| Total | | |
| 1 | 36169,306 | 157/259.019 |
| 2 | 93/105,835 | 76133,717 |
| 3 | 104/117,959 | 0 |
| Totals | 2331292,736 | 2331292,736 |

1 Systems which will encourage an upward change in ecological condition (early spring, deferred, deferred rotation, winter rest rotation).
Systems which will maintain or improve existing ecological conditions (deferred use one of three years).
Systems which will encourage a downward change in ecological condition (spring/summer).

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c I • Allotment Areas

2538 Allotment Number

I Improve Category

M Maintain Category

The remaining unmarked parcels of public land are either custodial category (C) allotments or unallotted areas.

## MAP 4
## Grazing Allotments
## (I and M Category Only)

## Implementation

Implementing and monitoring the livestock grazing portion of this plan will require several separate actions that overlap in time, some of which are underway. These actions are described in Appendix E and include development of allotment management plans (AMPs) and Cooperative Resource Management Plans (CRMPs).

The priority for implementation will be as follows:

**High**—Implement AMPs/CRMPs based upon selective management. Priorities for AMP/CRMP implementation are as follows:

with completed or partially completed AMPs/CRMPs;

- Improve category allotments;
- Maintain category allotments:

- Issue grazing decisions where reductions are negotiated with lessee.

**Medium-Monitor** allotments to establish stocking rates where data indicates reduction in forage use or where data is inconclusive or nonexistent.

Low-Issue grazing decisions where no reductions are required,

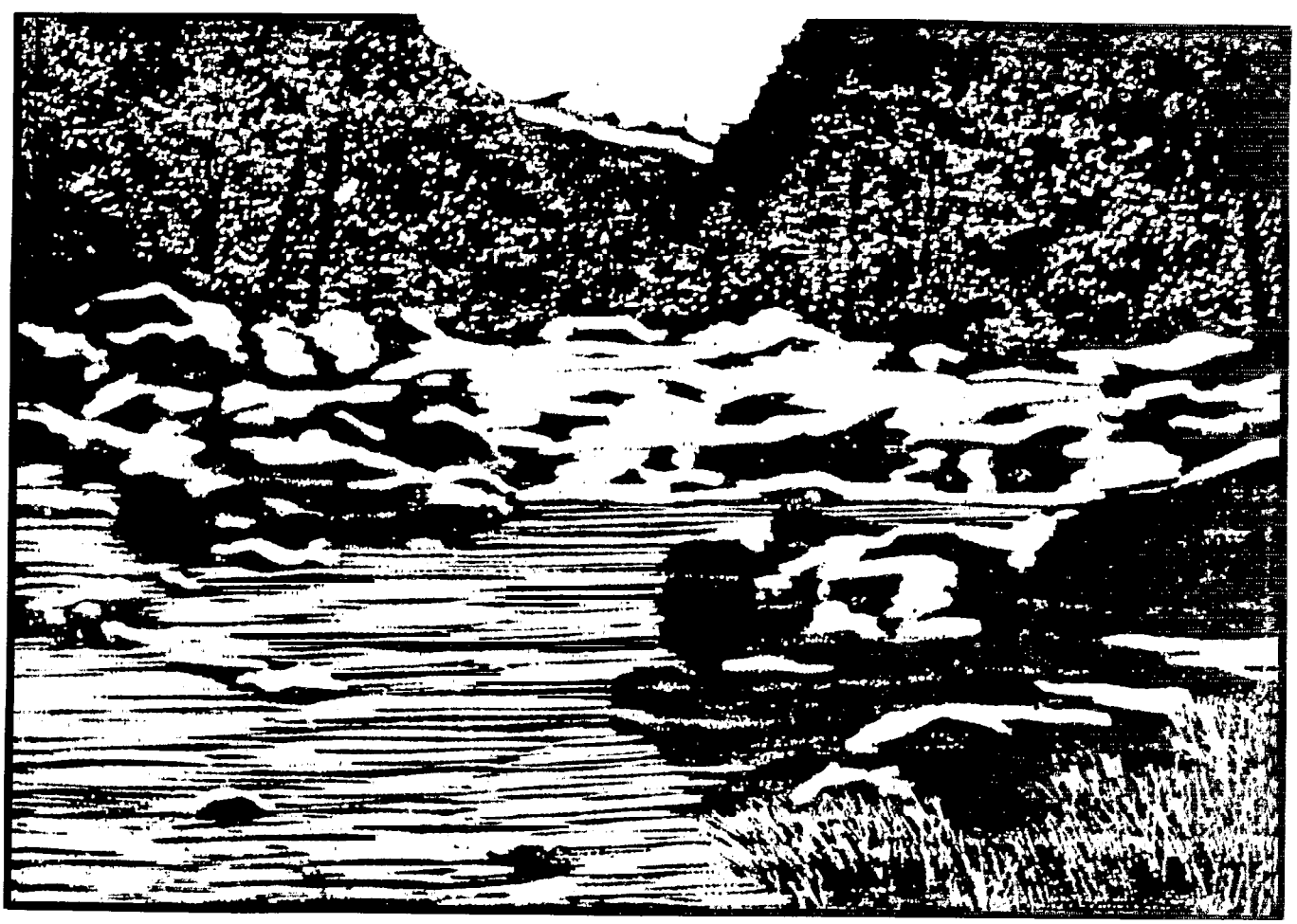
Cattle grazing on public lands

## Direction

All riparian areas along the Deschutes and John Day rivers and their major tributaries as shown on Map 3 will be managed to reach full potential, with a minimum of 60 percent of the vegetative potential to be achieved within 20 years. Livestock grazing will be managed to reach the stated riparian objectives. Appendix F describes the factors used to determine riparian site potential. It also includes examples of riparian areas at different levels of ecological condition.

## Implementation

Management actions within riparian areas will include measures to protect or restore natural functions, as defined by Executive Orders 11988 and 11990. Management techniques will be used to minimize degradation of stream banks and the loss of riparian vegetation. Roads and other linear facilities will avoid riparian areas where feasible. Riparian habitat needs will be considered in developing livestock grazing systems,



**Trout Creek near Ashwood**

# Forestry

## Direction

Maintaining or improving site productivity will be a basic objective in all forestry practices. Harvesting minor forest products such as posts, poles, firewood. etc., will be guided by similar considerations.

Decisions on forestry practices (treatments) will be made with two primary objectives: (1) Successful reforestation: and (2) increasing subsequent growth of commercial species. Specific mitigation recommendations wil! be used to minimize unavoidable. adverse impacts and to resolve conflicts with other resource values. They are discussed in greater detail in Appendix G.

There are 10.715 acres of commercial forestland located within the areas shown on Map 5 on which a sustained **harvest** level will be based. The sustainable harvest level will be approximately 1.41 MMbf annually or 14.1 MMbf for a ten year period. Management practices as shown in Table 4, will be designed to recognize harvest restrictions for the protection of riparian vegetation. wildlife. cultural or other natural values.

Minor forest products, such as posts, poles, firewood, etc. , will be sold from both commercial forestlands and woodlands where those sales are Gompatibie with other resource values.

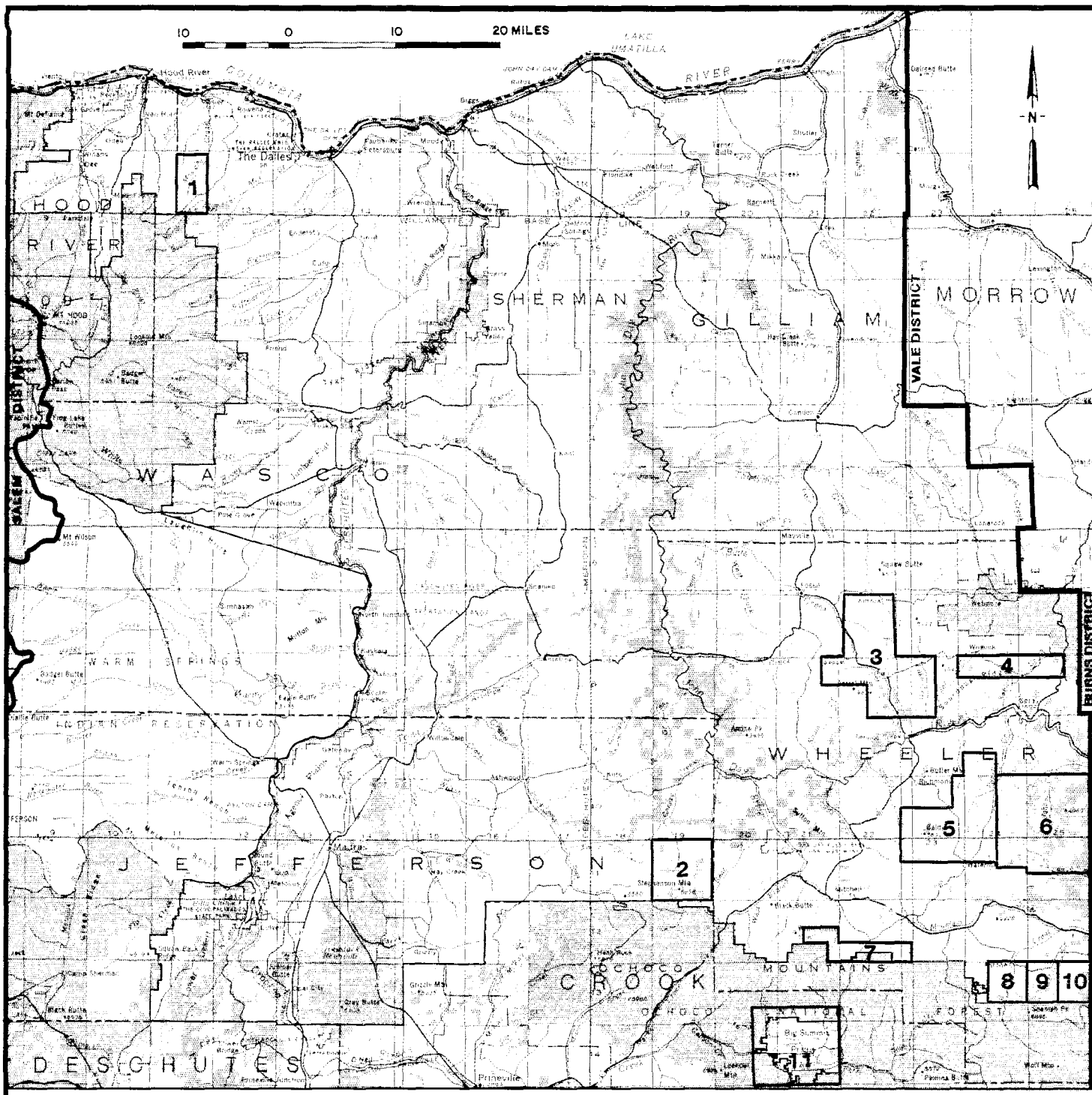
## Implementation

**Table 4 Forestry Practices and Land Use Allocations Under the Plan**

| | |
|---|---|
| Intensive Timber Production Base (acres) | 10,715 |
| Harvest Level[1] | |
| Yearly Average | 1.41 MMbf |
| Treatments[2] | |
| Transportation System | |
| New Construction | 6 miles/17 acres |
| Improvement | 7 miles/15 acres |
| Timber Harvest | |
| Clearcut | 65 acres |
| Partial Cut | 2261 acres |
| Timber Harvesting Method | |
| Cable | 84 acres |
| Tractor | 2242 acres |
| Slash Disposal | |
| Broadcast Burn | 65 acres |
| Pile and Burn | 1658 acres |
| Lop and Scatter | 365 acres |

[1] For purposes of analysis, volume calculations are based on the current annual sustainable harvest level of 132 board feet per acre. This figure may change when an extensive forest inventory is completed and the sustainable harvest level is recalculated, however, the associated land use allocations and management direction will not change.
[2] Figures are estimates based on a five year timber sale plan and were made to facilitate impact analysis. Acreages may vary with implementation.

**Ponderosa Pine in Johnson Heights**

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Area

1 Mosier Creek
2 Stephenson Mtn.
3 Kinzua
4 Spray
5 Baldy Mountain
6 Johnson Heights
7 Mitchell
8 Rock Creek
9 Birch Creek
10 Day Creek
11 Big Summit Prairie

# MAP 5
# Areas Suitable for Timber Production

# Mineral Resources

## Leasable Minerals

### Direction

Leasable minerals will continue to be made available on most of the land where the surface is also publicly owned. Restrictions or changes in lease stipulations will apply only to areas not presently leased or areas presently leased where leases will be renewed. Leases will not be granted on 12.5 acres of public lands within the Governor Tom McCall Preserve; two parcels of public land totaling 76 acres within the Columbia Gorge; 250 acres of public lands which make up The Island; and 2,617 acres of public lands within The Cove Palisades State Park as shown in Map 6.

Approximately 188,000 acres of public land will be open to exploration—subject to standard lease requirements and stipulations. A restrictive no surface occupancy stipulation for fluid minerals exploration and development will be maintained on 132,000 acres of public lands in the planning area—lands identified as nationally significant or visually sensitive[1], as shown on Map 6. Table 5 summarizes how the mineral leasing decision will be implemented under the plan.

Exceptions to the stipulation of no surface occupancy will be evaluated using the following criteria:

(1) Evidence of exploration or similar activities would not be visible from the surface of either the John Day River or the Deschutes River. Activities within other areas of the river corridors may be visible, but should not attract attention, or leave long term visual impacts.

(2) All activities involving exploration would use existing roads to the fullest extent possible.

(3) Any proposed exploratory drilling pad or road construction for access to a drilling site would be located to avoid canyon slopes and areas of high visibility. In these areas, roads and drilling sites would be fully rehabilitated when operations have been completed.

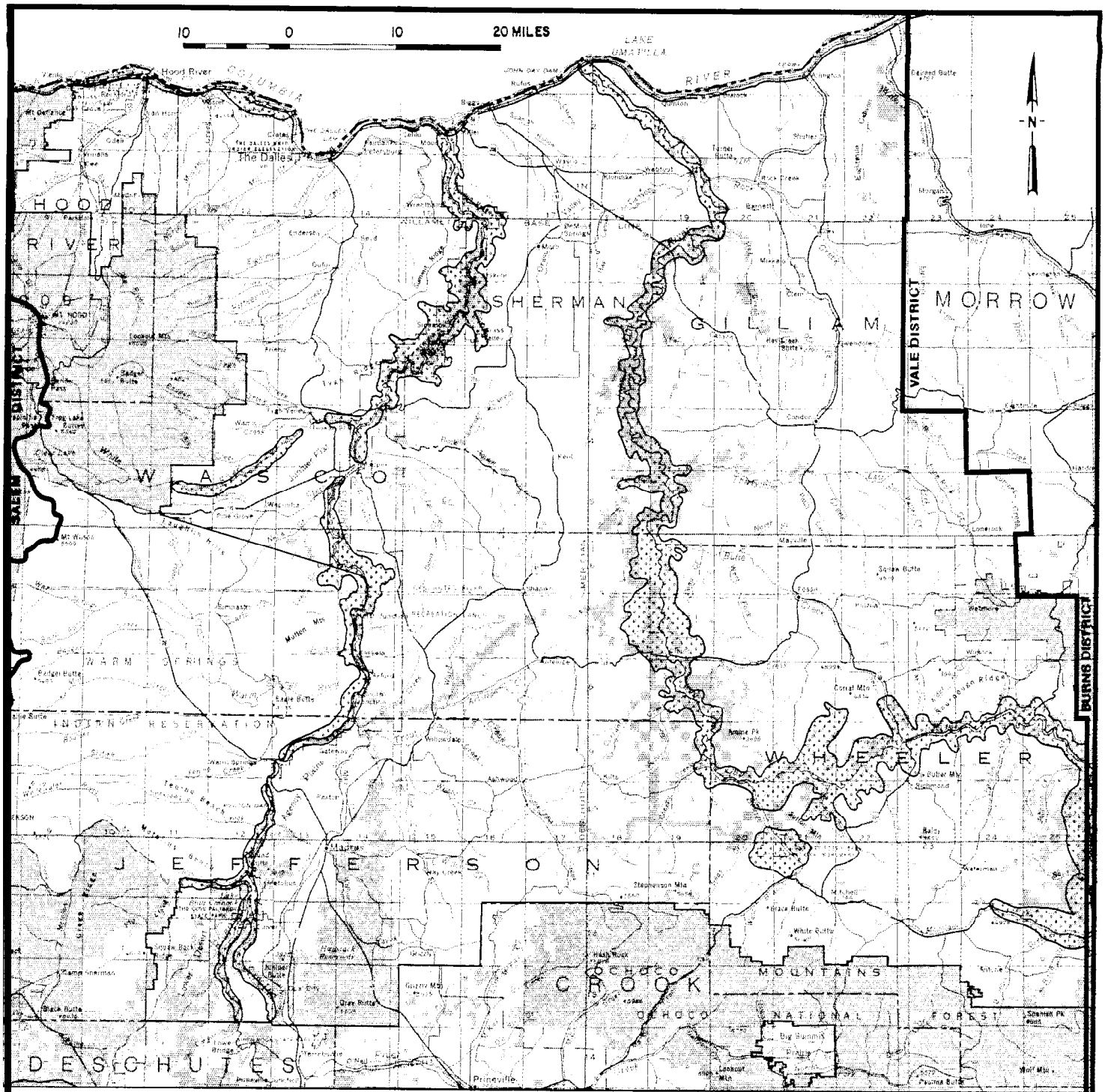
When leases are issued or renewed with the no surface occupancy stipulation, the criteria for exception will be included in the stipulation.

[1] The restrictive no surface occupancy stipulations reads as follows: "Because of the high scenic and recreational values, no surface occupancy is allowed on the part of the lease falling within the John Day River Canyon or the Deschutes River Canyon, unless written permission is granted by the BLM Deputy State Director for Minerals with the consent of the Prineville BLM District Manager." (Restrictions or changes in lease stipulations would apply only to areas not presently leased or areas presently leased where leases are renewed.)

## Implementation

**Table 5 Mineral Leasing Direction Under the Plan**

| | | |
|---|---|---|
| Public Land Open to Development with Standard Stipulations | 190,000 | 26.9% |
| Open to Development with Restrictive No Surface Occupancy Stipulations | 132,000 | 18.6% |
| Closed to Leasing | 3,000 | .4% |
| Reserved Federal Mineral Estate Open to Leasing With Standard Stipulations | 383,000 | 54.1% |
| Totals | 708,000 | 100% |

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**Areas of High Visual Quality**

# MAP 6
# Areas of High Visual Quality

## Locatable Minerals

Areas not specifically withdrawn from mineral entry will continue to be open under the mining laws to help meet the demand for minerals. Mineral exploration and development on public land will be regulated under 43 CFR 3809 to prevent unnecessary and undue land degradation, No new mineral withdrawals are proposed in this plan, The Bureau will recommend that the existing 240 acre protective withdrawal at the Macks Canyon Archaeological Site be retained,

## Salable Minerals

Salable minerals: including common varieties of sand. gravel, and stone will continue to be made available for local governments. The salable mineral program involves several quarries where State and County road departments obtain rock for road surfacing material. New quarry sites may be developed as needed if they are consistent with the protection of other resource values.

All public lands are open to recreational mineral collection unless specific minerals are subject to prior rights such as mining claims,

## Reserved Federal Mineral Estate

The reserved Federal mineral estate will continue to be open for mineral development. Conveyance of mineral interest owned by the United States, where the surface is. or will be. in non Federal ownership. may be enacted after a determination made under Section 209(b) of FLPMA finds:

(1) That there are no known mineral values in the land, or

(2) That the reservation of mineral rights in the United States would interfere with or preclude non mineral development of the land and that such development is a more beneficial use of the land than mineral development.

AI! land tenure adjustments will consider the effect on the mineral estate. if the lands are not known to have mineral development potential, the mineral interest will normally be transferred simultaneously with the surface.

# Land Tenure and Access

## Exchange, Transfer or Sale

The preferred method of disposal will be through exchange to achieve goals of public value enhance= ment in all three zones, as shown on Map 7. The transfer of public lands to land management agencies will occur if more efficient management of the land will result. Public lands listed in Appendix H will be considered for sale (totaling 33,310 acres) if no apparent exchange opportunity exists and if no significant resource values are identified. This as much as 1.000 acres per year. Public lands in Zone 1 on Map 7 will be retained, or may be exchanged for lands with even higher public value, Lands in Zone 2 will require site specific analysis to determine sale potential. The criteria to be considered in ail land ownership adjustments are discussed in Appendix I.

## Agricultural Use of Public Lands

Public lands with agricultural potential will be considered for sale if they meet the sale criteria. Existing and potential agricultural use of public lands in the planning area will be authorized by permit or lease if the following criteria are met:

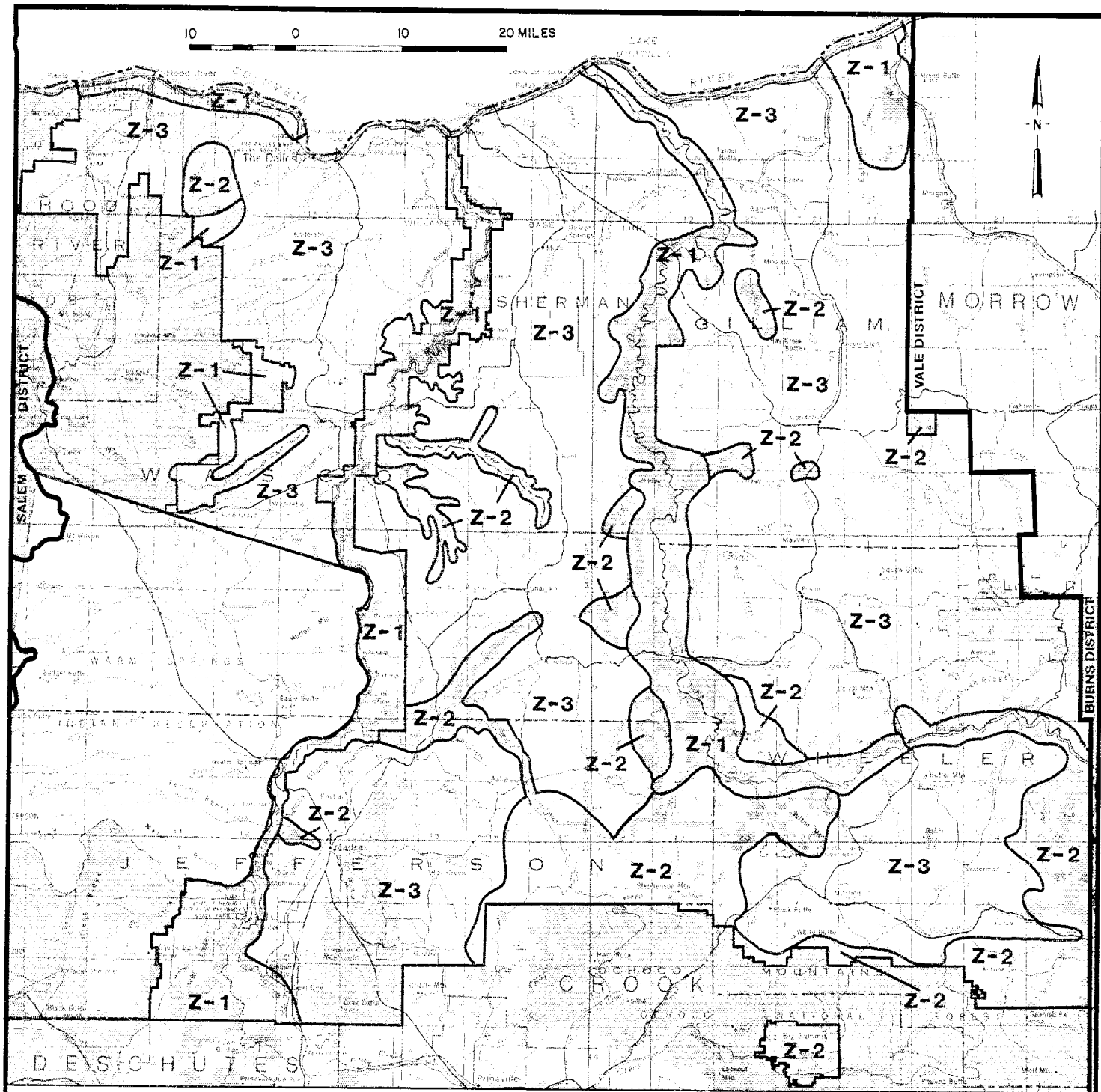
(1) The use does not conflict with riparian area management, important wildlife habitat. recreational use of public lands, or other significant resource values.

(2) The use is compatible with historical use on adjacent private lands.

(3) The use would maintain or enhance other resource values, such as providing feeding or nesting areas for wildlife.

Agricultural use will be permitted on an estimated 450 acres and another 300 acres now under cultivation will be reclaimed. Private appropriation of water from the John Bay River as it relates to agricultural use on adjacent public lands will be coordinated through the Oregon Department of Fish and Wildlife. the Oregon Water Resources Board, and the Oregon State Parks and Recreation Division of the Department of Transportation.

When significant conflicts occur. resource values on public lands will be protected and agricultural use will not be authorized,

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Z-1 Areas currently identified as having high public resource values

Z 2 Areas with potential for high public resource values

Z-3 Areas with public lands which may be suitable for disposal through transfer to another agency, exchange or public sale

## MAP 7
## Land Tenure

## Public Access

As opportunities arise. additional public access will be acquired to serve tracts in Zones 1 and 2 if access is consistent with management objectives. Where public access is desired. the minimum access needed to achieve management objectives will be acquired. The preferred method will be through negotiated purchase of an easement or exchange.

### Implementation

The plan designates the following land transfer actions in priority order:

1. BLM/Other Federal Jurisdictional Transfers; 2. Transfers to State and Local Agencies (R&PP and other actions); 3. State Exchanges 4. Private Exchanges: 5. Sales: 6. Desert Land Entries

There are 33,310 acres of public land in the planning area which are potentially suitable for sale depending on resource considerations. Therefore, 291,395 acres of public land do not lend themselves for sale designation.

# Recreation

## Off Road Vehicles

The use of off road vehicles on public lands will be regulated in accordance with the authority and requirements of Executive Orders 11644 and 11989 and regulations contained in 43 CFR 8340.

### Open Design atisn

Public lands which total approximately 263,000 acres will be open to off road vehicle use since no significant impacts are occurring and off road vehicle use is essential for conducting other authorized resource uses.

### Limited Designation

Vehicle travel on 53,860 acres of public land in the following areas will be restricted to existing roads and trails, year long. In addition, a seasonal closure will be implemented when appropriate to prevent excessive damage to soil and vegetation. During this period vehicle travel will be confined to designated roads only.

1. Deschutes River as shown on Map 8—2,500 acres.
2. Horn Butte Wildlife Area as shown on Map 9—6,000 acres,
3. Macks Canyon Archaeological Site as shown on Map 9-25 acres,
4. Spanish Gulch Mining District as shown on Map 9-335 acres.
5. Existing ORV use areas in and adjacent to the John Day River Canyon as shown on Map 8—10,000 acres
6. John Day River Canyon from Butte Creek to Cottonwood Bridge-35,000 acres,

Vehicle travel on 7,027 acres of public land in the following areas will be restricted to designated roads and trails on public land, year long:

1. Primitive and developed recreation sites adjacent to the Deschutes River (including but not limited to Steelhead Falls. Trout Creek, South Junction, Macks Canyon and Beavertaiij-603 acres.
2. Spring Basin near the John Day River—6,000 acres.
3. Oregon Trail Historic Sites at McDonald and Fourmile Canyon as shown on Map 9-324 acres.

### Closed Designation

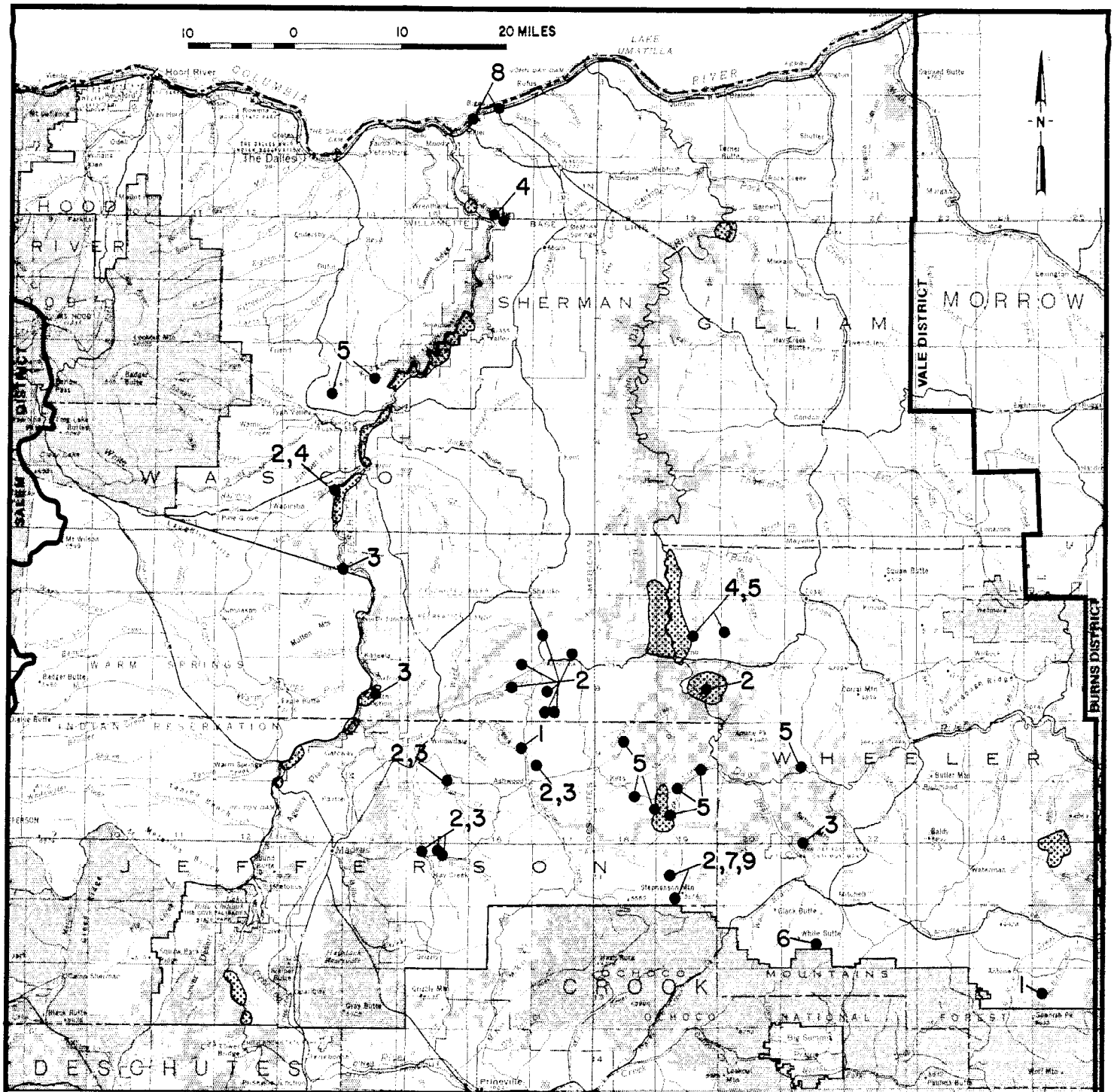
Vehicle travel on 818 acres of public lands in the following areas will not be allowed so as to protect unique natural values and riparian habitat as well as preventing excessive soil and vegetation disturbance.

1. The Governor Tom McCall Preserve at Rowena as shown on Map 9—12 acres.
2. The botanical/scenic areas within the Columbia Gorge as shown on Map 9—76 acres
3. The Island in The Cove Palisades State Park as shown on Map 9—250 acres.
4. Mecca Flat adjacent to the Deschutes River near Warm Springs-320 acres.
5. Public lands in the vicinity of the BLM field head= quarters at Maupin-160 acres.

ORV use in wilderness study areas is guided by the Bureau's "interim Management Policy and Guidelines for Lands Under Wilderness Review." Areas designated as wilderness through legislation would have ORV use restricted by the specific legislation and/or Bureau's "Wilderness Management Policy."

### Implementation

All public lands in the planning area will be designated under the BLM off road vehicle regulations as part of this Two Rivers Resource Management Plan Record of Decision and publication of the designation order in the Federal Register.




MINERAL TYPE

1 Gold and Silver
2 Agate
3 Thunder Eggs
4 Petrified Wood
5 Plant Fossils
6 Marine Fossils
7 Opal (Fire)
a Wascoite
9 Dendritic Nodules

Areas Presently Being Used by Off-Road Vehicles

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# MAP 8

## Off-Road Vehicle Use and Areas Having Rockhounding Potential (Moderate or High)

## Rockhounding

Collectible mineral resources with moderate or high value as shown on Map 8, will be available for rockhounding and recognized in land use decisions.

# Special Management Areas

The thirteen special management areas identified on Map 9 will be managed as follows:

## The Island in The Cove Palisades State Park

The 250 acres of public land will be designated and managed as an Area of Critical Environmental Concern; Research Natural Area. This includes 80 acres of USFS land which will require a cooperative management agreement,

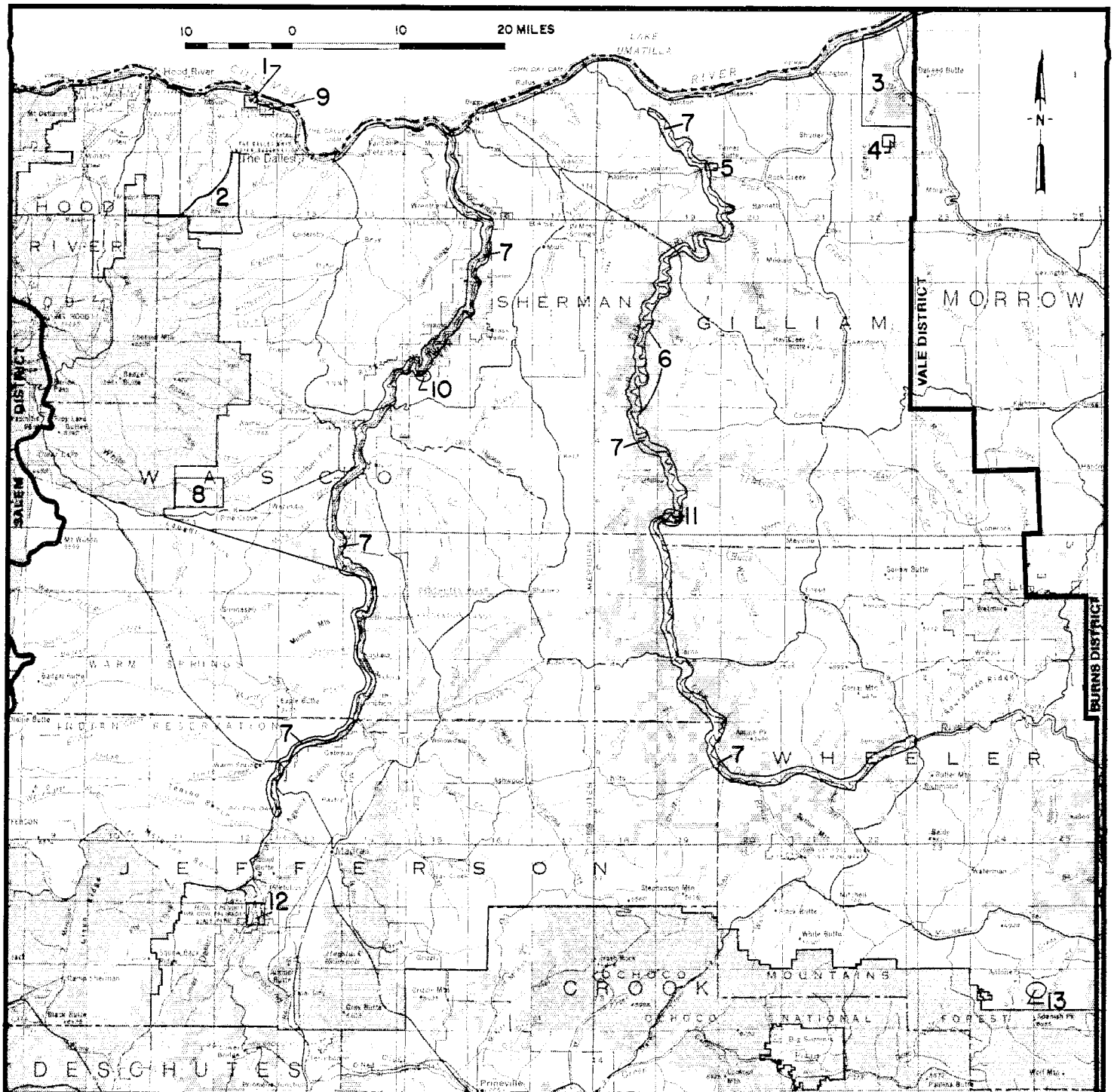
The designation and management of this area will be designed to protect and preserve what is considered to be the best remaining example of the western juniper/big sagebrushibluebunch wheatgrass plant association in the region. It is also a raptor, deer, and waterfowl use area and contains outstanding scenic vistas of Lake Billy Chinook and the Cascades.

Specific management actions to be taken include closing the area to off road vehicle use, continuing to not lease the area for fluid mineral exploration and development, to not sell mineral material in the area (rock, sand or gravel), to continue to exclude livestock grazing, preclude the use of mechanized equipment in fire suppression and prohibit the collection of rocks, plants, plant parts and animals,

## Deschutes and John Day River Canyons (Including the. Red Wall)

Areas of high visual and natura! quality in the canyon areas (approximately 139,000 acres) will continue to be protected while allowing other compatible uses in the same area. A cooperative role with the State Parks and Recreation Division of the Oregon Department of Transportation in managing the public lands consistent with the intent of the Oregon Scenic Waterways Act will be continued,

**The island in The Cove Palisades State Park**




1. Governor Tom McCall Preserve at Rowena
2. The Dalles Watershed Area
3. Horn Butte (Curlew) Wildlife Area
4. Oregon Trail Historic Site at Fourmile Canyon
5. Oregon Trail Historic Site at McDonald Crossing
6. John Day River State Wildlife Refuge
7. Deschutes and John Day State Scenic Waterways
8. White River Wildlife Management Area
9. Botanical/Scenic Areas Within Columbia Gorge
10. Macks Canyon Archaeological and Recreation Area
11. Red Wall Scenic Area
12. The Island at The Cove Palisades State Park
13. Spanish Gulch Mining District

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## MAP 9
## Special Management Areas

## John Day River State Wildlife Refuge, Horn Butte Curlew Area and White River Wildlife Areas

Incompatible uses will be excluded. The areas will be managed to meet forage and habitat needs for big game and non game species as recommended by the Oregon Department of Fish and Wildlife, The Horn Butte Curlew Area which totals 6,000 acres will be designated as an Area of Critical Environmental Concern, The designation and management of this area will be designed to protect and preserve the important nesting habitat for the long Specific management actions to be taken include limiting vehicle travel on public lands to existing roads and trails and by managing livestock grazing in the area to enhance habitat for the long billed curlew.

## The Dalles Watershed

The management agreement with the City of The Dalles will be continued. Surface disturbing activities will be excluded from this 410 acre area if they would have an adverse effect on the watershed.

## The Governor Tom McCall Preserve at Rowena and the Botanical/Scenic Areas within the Columbia Gorge.

The 12.5 acres of public land within The Governor Tom McCall Preserve will be designated as an Area of Critical Environmental Concern; Outstanding Natural Area to preserve the outstanding botanic values of this area. The important botanic/zoologic and scenic qualities of 76 additional acres (in two parcels) outside this preserve, but within the Columbia Gorge, will also be preserved with a designation as an Area of Critical Environmental Concern; Outstanding Natural Area. Specific management actions to be taken include closing the areas to off road vehicle use, continuing to not lease the areas for fluid mineral exploration and development, to not sell mineral material (rock, sand or gravel), to continue to exclude livestock grazing from the areas, preclude the use of mechanized equipment in fire suppression and prohibit the collection of rocks, plants! plant parts or animals.

## Historic Spanish Gulch Mining District

The 335 acre Spanish Gulch Mining District has been determined to be eligible for the National Register of Historic Places. It will be designated as an Area of Critical Environmental Concern to protect and maintain significant historical values, The designation will recognize valid existing mineral rights,

This mining district is an important historic gold mining area dating back to the mid 1800s. Remnants of early mining activities include an old stamp mill, mineshafts and several old cabins. Specific management actions to be taken include limiting vehicle travel to existing roads and trails and requiring plans of operation from mining claimants before beginning any mining operations in the area.

## The Oregon Trail Historic Sites at Fourmile Canyon and McDonald and the Macks Canyon Archaeological Site.

The unusual qualities of these sites will he maintained and protected. Intensive management plans. as well as public information and interpretive plans will be developed for these areas.

### Implementation

Five of the special management areas are hereby designated as areas of critical environmental concern with three areas being managed as either a research natural area, or an outstanding natural area. This action is completed with the publication of this record of decision and filing of the designation order in the Federal Register. Additional survey work will be initiated on Sutton Mountain and on the Sherars Bridge Road to determine if the areas meet the criteria for one of the above designations. Any areas which are nominated and found to meet the criteria for classification as an Area of Critical Environmental Concern in the future will receive interim protective management until formal designation occurs.

# Monitoring the Two Rivers Resource Management Plan

The implementation of the Two Rivers RMP will be monitored during the life of the plan to ensure that management actions are meeting their intended purposes. Specific management actions arising from proposed activity plan decisions will be compared with the RMP objectives to ensure consistency with the intent of the plan. Formal plan evaluations will take place at intervals not to exceed 5 years These evaluations will assess the progress of plan implementation and determine if:

- management actions are resulting in satisfactory progress toward achieving objectives,
- actions are consistent with current policy,
- original assumptions were correctly applied and impacts correctly predicted,
- mitigation measures are satisfactory,
- it is still consistent with the plans and policies of State or local government, other Federal agencies, and Indian tribes,
- new data are available that would require alteration of the plan.

As part of plan evaluations interested or affected government entities will be requested to review the plan and advise the District Manager of its continued consistency with their officially approved resource management related plans, programs and policies. The District Advisory Council will also be consulted during evaluations in order to secure their input.

Upon completion of a periodic evaluation or in the event that modifying the plan becomes necessary, the Prineville District Manager will determine what, if any, changes are necessary to ensure that the management actions of the plan are consistent with its objectives. If the District Manager finds that a plan amendment is necessary, an environmental analysis of the proposed change will be conducted and a recommendation on the amendment will be made to the State Director. If the amendment is approved, it may be implemented 30 days after public notice.

Potential minor changes, refinements or clarifications in the plan may take the form of maintenance actions. Maintenance actions respond to minor data changes and incorporation of activity plans. Such maintenance is limited to further refining or documenting a previously approved decision incorporated in the plan. Plan maintenance will not result in expansion in the scope of resource uses or restrictions or change the terms, conditions, and decisions of the approved RMP. Maintenance actions are not considered a plan amendment and do not require the formal public involvement and interagency coordination process undertaken for plan amendments, A plan amendment may be initiated because of the need to consider monitoring findings, new data, new or revised policy a change in circumstances, or a proposed action that may result in a change in the terms, conditions and decisions of the approved plan.

**A "one holer" at an abandoned homestead**

# Ongoing Management Programs

The Two Rivers RMP focuses on eight significant resource management issues or management programs. Other ongoing BLM management programs and actions discussed in the proposed plan will continue. This section briefly describes these programs and management actions to eliminate confusion regarding their status relevant to the RMP.

## Soil, Water and Air Management

The inventory and evaluation of soil, water and air resources on public lands will continue, Soils will be managed to maintain productivity and to minimize erosion. Corrective actions will take place, where practicable, to resolve erosive conditions. Water sources necessary to meet BLM program objectives will be developed and filed on according to applicable State and Federal laws and regulations. Water quality of perennial streams will continue to be monitored, and climatological data will continue to be gathered.

## Threatened, Endangered or Sensitive Species, and Cultural Resources

Informal and formal consultation with the U.S. Fish and Wildlife Service (USFWS) will be initiated on all proposed actions which may affect any Federally listed or candidate threatened or endangered species. Consultation will be done in accordance with Section 7 of the Endangered Species Act, as amended.

An appropriate level of inventory to identify historic and prehistoric sites or features will be conducted in areas proposed for Bureau initiated or authorized surface disturbing projects (e.g., range developments, timber sales, road construction), land sales and exchanges. Sites discovered will be evaluated using criteria for placement on the National Register of Historic Places (36 CFR 60.6) in consultation with the State Historic Preservation Officer. The BLM considers the effect of any proposed undertaking on sites which meet the National Register criteria by following regulations of the Advisory Council on Historic Preservation (36 CFR 800) or a memoranda of agreement negotiated with the Council.

In most cases, adverse effects to National Register quality sites are avoided by relocating ground disturbing activities. Where relocating a planned project is not feasible, the project will either not be allowed or mitigation of adverse effects to significant cultural properties may be necessary. Mitigation will usually be an attempt to extract and preserve those attributes of a site which qualify it for the National Register. For example, many prehistoric sites are significant for the information they may provide about ancient Indian lifestyles and cultural adaptations. Various levels of site recording, excavation, and analysis can often retrieve the important information. preserving it in records and reports.

Sites with socio-cultural values or aesthetic and recreational values suitable for public interpretation may be more difficult to mitigate by data recovery. Decisions about the treatment of such sit&s will be made on a case by case basis in consultation with the State Historic Preservation Officer and Advisory Council on Historic Preservation.

**Old rock shelter on the banks of the Deschutes River**

## Fire Management

The main emphasis of a fire management program in the Two Rivers Planning Area will continue to be prevention and suppression of wildfire to protect public values such as timber, vegetation, visual resources and adjacent private property. Prescribed fire may be used to reach multiple use objectives. When prescribed fire is considered under various programs it will be coordinated with the Oregon Department of Forestry and adjacent landowners and carried out in accordance with approved fire management plans and appropriate smoke management goals and objectives.

## Noxious Weed Control

Infestations of noxious weeds are known to occur on some public lands in the planning area. The most common noxious weeds are diffuse, spotted and Russian knapweed, yellow star thistle, dalmation toadflax, and poison hemlock. Control methods will be proposed consistant with the Record of Decision on BLM's Northwest Area Noxious Weed Control Program EIS. Control methods will then be subjected to site specific environmental analyses tiered to that EIS. Control will be considered on public iands where efforts are coordinated with owners of adjoining infested, non public lands. Proper grazing management will be emphasized after control to minimize possible reinfestation. Coordination and cooperation with county weed control officers will continue on a regular basis.

## Withdrawal Review

Lands along the John Day River have been withdrawn by filings with the Federal Energy Regulatory Commission for potential hydroelectric projects and by the U.S. Geological Survey for powersite purposes. However, there are no developments or current proposals The USGS withdrawals are now administered by the BLM and retention or revocation will be determined through the withdrawal review process.

Review of withdrawals will be completed by 1991. Revocation, termination, or modification of withdrawals will be recommended by BLM where they are no longer needed or where they are in conflict with the RMP if the withdrawal review process determines they are no longer needed or should be modified, Their revocation and opening to applicable public land or mineral laws would be consistent with the plan. Upon revocation, termination, or modification. part or all of the withdrawn land may revert to BLM management. No new BLM withdrawals are proposed.

## Gadastral Survey and Engineering Programs

Cadastral surveys and engineering activities will continue to be conducted in support of resource management programs. The road maintenance program will continue. Existing approved contracts will not be affected by the RMP

## Land Sales and Exchanges

Sales of public land will continue to be conducted under the authority of Section 203 of the Federal Land Policy and Management Act of 1976 (FLPMA) which requires that one of the following conditions exist before land is put up for sale: (1) Such tract because of its location or other characteristics, is difficult and uneconomical to manage as part of the public lands, and is not suitable for management by another Federal department or agency: or (2) Such tract was acquired for a specific purpose and the tract is no longer required for that or any other Federal purpose; or (3) Disposal of such tract will service important public objectives, including but not limited to, expansion of communities and economic development, which cannot be achieved prudently or feasibly on land other than public land and which outweigh other public objectives and values, including, but not limited to, recreation and scenic values which would be served by maintaining such tract in Federal ownership.

All sales of public land will be preceeded by field inventories, environmental assessments and public notification procedures. Activity plans for land sales are not required under BLM policy.

Exchanges of public land will continue under Section 206 of FLPMA which requires that:

- A determination that the public interest will be well served by making an exchange.
- Lands to be exchanged are located in the same state; and
- Exchanges must be for equal value but differences can be equalized by payment of money by either party not to exceed 25 percent of the total value of the lands transferred out of Federal ownership.

Exchanges will be made only when they will enhance public resource values and only when they improve land patterns and management capabilities of both private and public lands within the planning area by consolidating ownership and reducing the potential for conflicting land use,

## Utility and Transportation Corridors

All utility/transportation corridors identified by the Western Regional Corridor Study of May 1980. prepared by the Ad Hoc Western Utility Group and shown on Map 10 are currently occupied and will be designated without further review. Corridor widths vary, but are a minimum of 2,000 feet. No additional crossing sites on the BLM managed portions of the Deschutes and John Day rivers will be permitted. No facilities will be allowed parallel to the railroad right of way in the Deschutes Canyon. Applicants will be encouraged to locate new facilities (including communication sites) adjacent to existing facilities to the extent possible.

All rights of way applications will be reviewed using the criteria of following existing corridors wherever practical and avoiding proliferation of separate rights Gf way. Recommendations made to applicants and actions approved will be consistent with the objectives Gf the RMP. Ail designated areas of critical environmental concern and wilderness study areas will be considered right of way exclusion areas. Public lands will continue to be available for local rights of way. including multiple use and single use utilityitranspsrtation corridors following existing routes, communication sites, and roads. Issuance of leases and/or patents under the Recreation and Public Purposes Act and other permits or leases for development of public lands will also continue. Applications will be reviewed on an individual basis for conformance with the Two Rivers RMP to minimize conflicts with Gther resources or users.

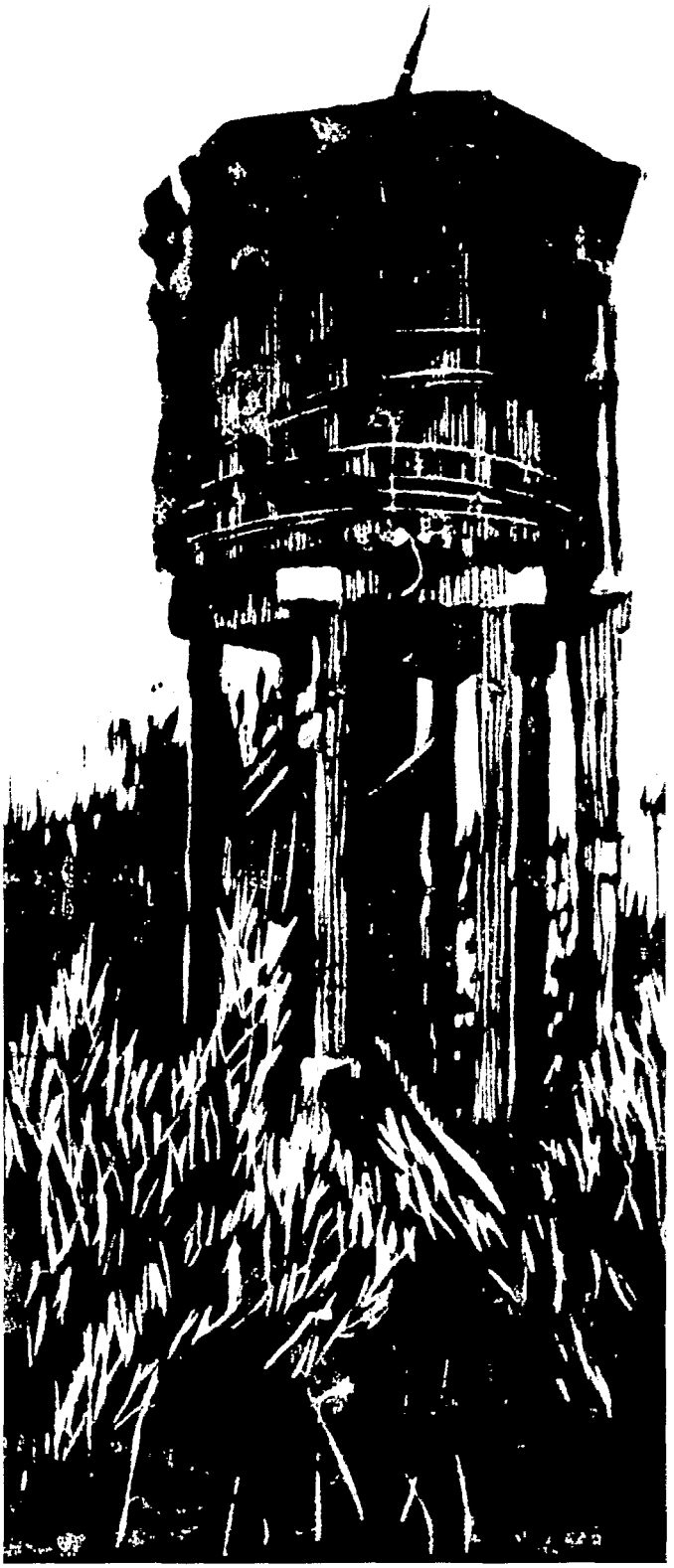
## Visual Resources

Before the BLM initiates or permits any major surface disturbing activities on public land. an analysis will be completed to determine adverse effects on visual qualities. Activities that will result in significant, long term adverse effects on the visual resources of the John Cay or Deschutes River canyons in areas normally seen from these rivers will not be permitted.

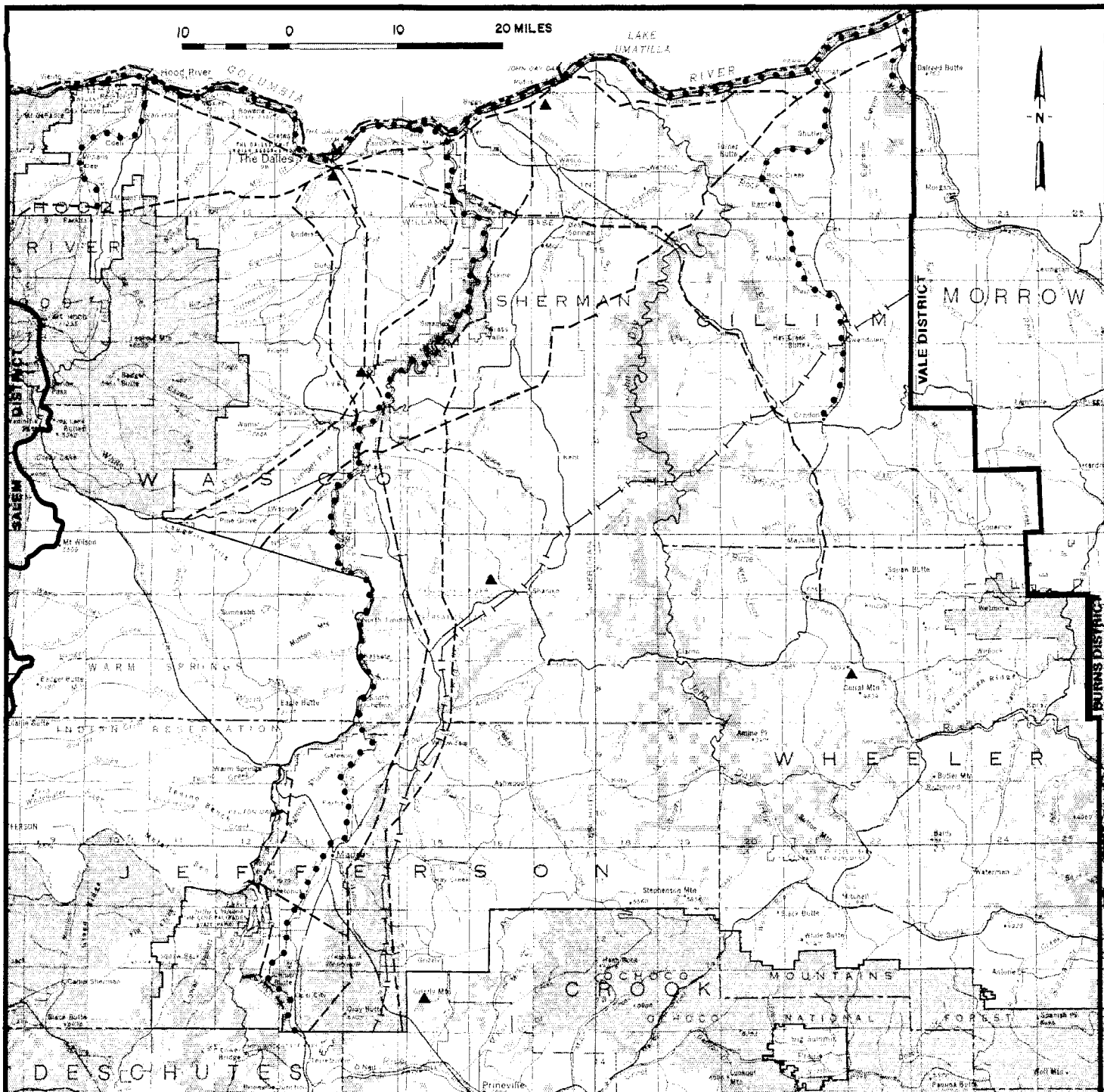
Activities within other areas of high visual quality that may be seers might be permitted if they do not attract attention Gr leave long term visual changes on the land. Activities in other areas may change the landscape but will be designed to minimize any adverse effect Gn visual quality.

## Wilderness

Areas under wilderness review will continue to be managed following the guidance of the Bureau's Interim Management Policy for Lands Under Wilderness Review. This policy will be in effect until areas are released from interim management. Areas designated wilderness will be managed under the guidelines of BLM's Wilderness Management Policy.



**Old railroad water tower at Harris Canyon**




U. S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
**PRINEVILLE** DISTRICT
1986

--- **Electric Transmission Line**

**Natural Gas Transmission Pipeline**

**Railroad**

**Hydroelectric Impoundment**

A **Communication Site**

# MAP 10
# Utility/Transportation Corridors
# Communication Sites

| ALLOTMENT NUMBER | NAME | FENCE(MI.) MGT. | FENCE(MI.) RIPAR. | SPNG. DEVEL. (NO.) | BRUSH CTRL. (ACRES) |
|---|---|---|---|---|---|
| 2565 | LEROY A. BRITT | 0.00 | 0.60 | ** | **** |
| 2566 | JUSTESON | 0.00 | 0.00 | ** | **** |
| 2567 | KASER BROTHERS | 2.00 | 0.00 | ** | **** |
| 2568 | KEEGAN | 0.00 | 0.50 | ** | **** |
| 2569 | ZACK T. KEYS | 0.00 | 1.00 | ** | 400 |
| 2570 | ZACK T. KEYS | 0.00 | 0.00 | ** | 400 |
| 2571 | HORN BUTTE | 5.00 | 2.00 | ** | 1,500 |
| 2572 | LAFFOON AND CARLSON | 0.00 | 2.50 | ** | **** |
| 2574 | LEAR | 0.00 | 0.00 | ** | **** |
| 2575 | ANDREW F. LECKIE,JR. | 0.00 | 0.25 | ** | **** |
| 2578 | LOGAN | 0.00 | 0.00 | ** | ---- |
| 2579 | EUGENE LOGAN JR. | 0.00 | 0.30 | ** | 300 |
| 2580 | BIG SUMMIT WEST | 0.00 | 1.35 | ** | **** |
| 2581 | ELSIE MARTIN | 0.00 | 0.00 | ** | **** |
| 2582 | GRAY PRAIRIE | 0.00 | 0.00 | ** | ---- |
| 2583 | MULKEY | 0.00 | 0.00 | ** | **** |
| 2584 | CATHERINE MAURER | 10.00 | 9.00 | ** | **** |
| 2585 | SEEK PEAK | 0.00 | 0.00 | ** | **** |
| 2586 | TOM MCDONALD | 0.00 | 0.50 | -- | ---- |
| 2587 | HERBERT F. MCKAY | 0.00 | 0.00 | ** | **** |
| 2588 | SPUD | 0.00 | 0.75 | ** | **** |
| 2589 | MCQUINN | 0.00 | 0.00 | ** | **** |
| 2591 | MILLER | 0.00 | 1.25 | ** | - - |
| 2592 | MARY MISENER | 0.00 | 0.00 | ** | **** |
| 2593 | VERNE A. MOBLEY | 0.00 | 2.50 | ** | **** |
| 2594 | MOREHOUSE AND ELLIOT | 0.00 | 0.00 | ** | **** |
| 2595 | MORRIS | 0.00 | 1.25 | ** | **** |
| 2596 | HOWARD MORTIMORE | 0.00 | 0.00 | ** | **** |
| 2597 | JOHN T. MURTHA | 0.00 | 4.75 | ** | **** |
| 2598 | HAY CREEK | 0.00 | 1.00 | ** | **** |
| 2599 | KENNETH MYERS | 0.00 | 0.00 | ** | **** |
| 2600 | J. WILLIS NARTZ | 0.00 | 0.00 | ** | **** |
| 2601 | VICTOR B. NASH | 0.00 | 0.00 | ** | **** |
| 2602 | ERNEST L. PARSLEY | 0.00 | 0.00 | ** | **** |
| 2603 | LEE H. PETTYJOHN | 0.00 | 0.00 | ** | **** |
| 2604 | PHILIPPI | 0.00 | 0.00 | ** | **** |
| 2605 | E. GLENN POTTER | 0.00 | 0.00 | ** | **** |
| 2606 | WILLIAM W. POTTER | 0.00 | 0.00 | ** | **** |
| 2607 | PRYOR FARMS | 0.00 | 2.00 | ** | 100 |
| 2608 | RATTRAY A | 0.00 | 1.00 | ** | **** |
| 2609 | RATTRAY B | 0.00 | 0.00 | ** | **_ |
| 2610 | RATTRAY C | 0.00 | 0.00 | ** | **** |
| 2611 | VAN RIETMAN | 0.00 | 0.00 | ** | **** |
| 2612 | ARTHUR N. ROBISON | 0.00 | 0.00 | ** | **** |
| 2613 | FRANK R. ROBISON | 0.00 | 0.00 | ** | **** |
| 2614 | R AND R ROLFE | 0.00 | 1.00 | ** | **** |
| 2615 | ROLFE | 0.00 | 0.00 | ** | **** |
| 2616 | ORVILLE RUGGLES | 0.00 | 0.00 | ** | **** |
| 2617 | SCHARF | 0.25 | 1.50 | ** | 100 |
| 2619 | SID SEALE | 0.00 | 2.00 | ** | 1,500 |
| 2620 | EVELYN E. SEE | 0.00 | 0.50 | ** | * - |
| 2621 | EARL A. SMITH | 0.00 | 0.00 | ** | **** |
| 2622 | ALTA M. SPAULDING | 0.00 | 0.00 | ** | **** |
| 2623 | STEIWER RANCHES | 0.00 | 1.50 | ** | ---- |
| 2624 | THOMAS M. STEPHENS | 0.00 | 1.00 | ** | **** |
| 2625 | DAVID M. STIREWALT | 0.00 | 0.00 | ** | **** |
| 2626 | J.M. STIREWALT | 5.00 | 2.50 | ** | **** |
| 2627 | ROBERT W. STRAUB | 0.00 | 0.00 | ** | **** |
| 2628 | THOMAS F. SUMNER | 0.00 | 0.00 | ** | 600 |
| 2629 | TATUM | 0.00 | 1.00 | ** | **** |
| 2630 | TRIPP | 0.00 | 0.00 | ** | **** |
| 2631 | DIPPING VAT | 0.00 | 0.50 | ** | **** |
| 2632 | LARSON | 0.00 | 0.00 | ** | **** |
| 2633 | RATTLESNAKE | 3.00 | 2.00 | 2 | **** |

| ALLOTMENT NUMBER | NAME | FENCE(MI.) MGT. | RIPAR. | SPNG. DEVEL. (NO.) | BRUSH CTRL. (ACRES) |
|---|---|---|---|---|---|
| 2634 | WADE BROTHERS | 0.00 | 0.00 | -- | ---- |
| 2635 | RICHARD FOSTER | 0.00 | 0.00 | -- | ---- |
| 2636 | GEORGE WEEDMAN | 0.00 | 0.40 | -- | ---- |
| 2637 | V.O. WEST | 0.00 | 0.25 | -- | ---- |
| 2638 | VIRGIL M. WOELPERN | 0.00 | 0.00 | -- | ---- |
| 2639 | TUBB CREEK | 0.00 | 1.00 | -- | ---- |
| 2641 | JESS L. ROSS | 0.00 | 0.00 | -- | ---- |
| 2642 | MASCALL, LILLIAN C. | 3.00 | 0.00 | -- | ---- |
| 2643 | CHARLES H. HILL | 0.00 | 0.00 | -- | ---- |
| 2644 | HI MEADOWS | 0.00 | 0.00 | -- | ---- |
| 2645 | CLARK | 0.00 | 3.00 | -- | ---- |
| 2646 | LONEROCK | 0.00 | 0.00 | -- | ---- |
| 2647 | RATTRAY D | 0.00 | 0.00 | -- | ---- |
| 2648 | HARTUNG | 0.00 | 0.00 | -- | 200 |
| 2649 | RIM | 0.00 | 0.00 | -- | ---- |
| 2650 | FOX CANYON | 0.00 | 0.00 | -- | ---- |
| 2651 | BULL CANYON | 0.00 | 0.00 | -- | ---- |
| 2652 | LIGHTHART | 0.00 | 0.00 | -- | ---- |
| 2653 | BROOKS LEASE | 0.00 | 0.00 | -- | ---- |
| 2654 | CROSSROADS | 0.00 | 0.00 | -- | ---- |
| 2655 | NORTON RANCH | 0.00 | 0.00 | -- | ---- |
| 2656 | DRY KNOB | 0.00 | 0.00 | -- | ---- |
| 2657 | BRIDGE CREEK | 0.00 | 0.00 | -- | ---- |
| 2660 | RATTLESNAKE CREEK | 0.00 | 0.00 | -- | ---- |
| 2661 | PEBBLE SPRINGS | 0.00 | 0.00 | -- | ---- |
| 4076 | COTTONWOOD CREEK | 0.00 | 0.50 | -- | ---- |
| 4131 | DAY CREEK | 0.00 | 0.50 | -- | ---- |
| 4145 | TWO COUNTY | 0.00 | 4.00 | -- | ---- |
| 7501 | BIRD | 1.50 | 2.00 | 2 | ---- |
| 7503 | BORTHWICK | 0.00 | 0.00 | -- | ---- |
| 7505 | BEUTHER | 0.00 | 0.00 | -- | ---- |
| 7507 | CLAUSEN | 1.00 | 0.00 | -- | ---- |
| 7508 | CLAYMIER,L | 0.00 | 0.00 | -- | ---- |
| 7510 | CONLEY | 0.00 | 0.00 | -- | ---- |
| 7511 | CONNOLLY | 2.00 | 2.00 | 1 | 240 |
| 7512 | CONROY,P.J. | 0.00 | 2.00 | -- | ---- |
| 7513 | CONROY,J | 0.00 | 0.00 | -- | ---- |
| 7514 | COOPER | 0.00 | 0.00 | -- | ---- |
| 7516 | GOMES | 0.00 | 0.00 | -- | ---- |
| 7517 | DRIVER | 0.00 | 0.00 | -- | ---- |
| 7518 | DELUDE | 2.50 | 0.50 | -- | ---- |
| 7519 | DICK | 0.00 | 0.00 | -- | ---- |
| 7520 | DULING | 0.00 | 0.50 | -- | ---- |
| 7521 | DURETTE | 0.00 | 1.50 | -- | ---- |
| 7523 | WHITE RIVER ODFW CMA | 0.00 | 0.00 | | ---- |
| 7524 | FESSLER | 0.00 | 0.00 | -- | ---- |
| 7525 | FOLMSBEE | 0.00 | 0.50 | -- | ---- |
| 7526 | FORMAN,C | 0.00 | 0.50 | -- | ---- |
| 7527 | FORMAN,R | 0.00 | 0.00 | -- | ---- |
| 7528 | FUSTON | 0.00 | 0.00 | -- | ---- |
| 7529 | GRANT | 0.00 | 0.00 | -- | ---- |
| 7530 | GRIFFITH | 0.00 | 0.00 | -- | ---- |
| 7531 | HAGHLER | 0.00 | 0.50 | -- | **_ |
| 7532 | HAMMEL,L.E. | 0.00 | 0.00 | -- | **** |
| 7533 | HAMMEL,E.W. | 0.00 | 0.00 | -- | ---- |
| 7534 | HASTINGS,J.R. | 0.00 | 0.00 | -- | ---- |
| 7535 | HAY CREEK | 0.00 | 0.00 | -- | ---- |
| 7536 | KASKELA FARMS | 0.00 | 0.00 | -- | ---- |
| 7537 | HIX | 0.00 | 0.00 | -- | ---- |
| 7538 | HOGAN | 0.00 | 0.00 | -- | ---- |
| 7539 | HOLMES | 0.00 | 0.50 | -- | ---- |
| 7540 | K AND P | 0.00 | 5.00 | -- | ---- |
| 7541 | KASKELA RANCH | 0.00 | 0.00 | -- | ---- |
| 7542 | GREENVALLEY FARMS | 0.00 | 0.00 | -- | ---- |

# Standard Operating Procedures

In addition to guidance common to all alternatives (Chapter 2), these procedures would be followed in construction of all management facilities and for vegetation manipulations,

1. All actions would be consistent with the BLM's Visual Resource Management criteria. The management criteria for the specific visual class would be followed.

2. In crucial wildlife habitat (winter ranges, fawning/calving areas, curlew nest areas and so forth), construction work would be scheduled during appropriate season to avoid or minimize disturbances. In addition, wildlife needs would govern the size and design of the projects.

3. Surface disturbance at all project sites would be held to a minimum. Disturbed soil would be rehabilitated to blend with surrounding soil surface and would be reseeded as needed with a mixture of grasses, forbs, and browse to replace ground cover and reduce soil loss from wind and water erosion.

4. Analysis of cost effectiveness would be completed on an Allotment Management Plan (AMP) basis before installation of any management facility or land treatment.

5. All areas where vegetative manipulation occurs would be totally rested from grazing for a least two growing seasons after treatment.

6. No BLM action would be taken that could jeopardize the continued existence of any Federally listed threatened or endangered plant or animal species. An endangered species clearance with the U.S. Fish and Wildlife Service (FWS) would be required before any part of the Preferred Alternative or other alternatives would be implemented that could affect an endangered species or its habitat.

In situations where data are insufficient to make an assessment of proposed actions, surveys of potential habitats would be made before a decision is made to take any action that could affect threatened or endangered species. Should the BLM determine there could be an effect on a Federally listed species, formal consultation with the USFS would be initiated. Before formal consultation, the BLM would not take any action that would make an irreversible or irretrievable commitment of resources that would foreclose consideration of modifications or alternatives to the proposed action. If the FWS opinion indicates the action would be likely to jeopardize continued existence of a listed species or result in destruction or adverse modification of crucial habitat, the action would be abandoned or altered as necessary.

# Appendix C Initial and Predicted Long Term Livestock Forage Use

| NO. | ALLOTMENT NAME | ACRES PL | CURRENT ACTIVE USE | CATEGORY | SHORT TERM | LONG TERM |
|---|---|---|---|---|---|---|
| 2500 | FRANK ANDERSON | 80 | 10 | CUSTODIAL | 10 | 10 |
| 2501 | ASHER, HERBERT | 1.999 | 101 | IMPROVE | 101 | 140 |
| 2502 | BRUSHCREEK | 280 | 35 | CUSTODIAL | 35 | 35 |
| 2503 | ASHER, HUBERT | 360 | 17 | IMPROVE | 17 | 22 |
| 2504 | BARKER | 160 | 18 | CUSTODIAL | 18 | 18 |
| 2505 | BARN ETT | 400 | 55 | CUSTODIAL | 55 | 55 |
| 2506 | MAXINE BARNETT | 200 | 19 | CUSTODIAL | 19 | 19 |
| 2507 | BROOKS | 120 | 9 | CUSTODIAL | 9 | 9 |
| 2508 | BEAR CREEK | 842 | 45 | MAINTAIN | 45 | 45 |
| 2509 | BELSHE | 1,840 | 62 | IMPROVE | 62 | 70 |
| 2512 | BIG MUDDY | 14,890 | 605 | IMPROVE | 605 | 900 |
| 2513 | BIG SKY | 1,215 | 60 | MAINTAIN | 60 | 80 |
| 2514 | BLACK ROCK | 3,325 | 224 | MAINTAIN | 224 | 262 |
| 2515 | DONALD R. JOHNSON | 280 | 9 | MAINTAIN | 9 | 9 |
| 2517 | BORSCHOWA | 119 | 6 | CUSTODIAL | 6 | 6 |
| 2518 | PINE CREEK | 5,418 | 346 | IMPROVE | 346 | 400 |
| 2519 | BIG SUMMIT EAST | 1,301 | 149 | MAINTAIN | 149 | 149 |
| 2520 | BOYNTON | 2,596 | 93 | IMPROVE | 93 | 93 |
| 2521 | HORSESHOE BEND | 737 | 43 | IMPROVE | 43 | 43 |
| 2522 | JAMES BROWN | 2,527 | 66 | IMPROVE | 66 | 66 |
| 2523 | BUCK | 130 | 2 | CUSTODIAL | 2 | 2 |
| 2524 | JACK CAMPBELL | 441 | 10 | CUSTODIAL | 10 | 10 |
| 2525 | ROCK CREEK | 2,074 | 231 | MAINTAIN | 231 | 231 |
| 2526 | PETER CAMPBELL | 760 | 60 | CUSTODIAL | 60 | 60 |
| 2528 | W.I. CHAPMAN | 1,240 | 44 | CUSTODIAL | 44 | 44 |
| 2529 | F.C. CHERRY | 3,480 | 304 | CUSTODIAL | 304 | 304 |
| 2530 | CIMMIYOTTI | 712 | 118 | CUSTODIAL | 118 | 138 |
| 2531 | CIRCLE BAR | 5,294 | 192 | MAINTAIN | 192 | 238 |
| 2532 | T. COLE | 1,633 | 102 | CUSTODIAL | 102 | 102 |
| 2533 | SUTTON MOUNTAIN | 6,995 | 403 | MAINTAIN | 403 | 460 |
| 2534 | COLLINS RANCHES, INC. | 80 | 6 | CUSTODIAL | 6 | 6 |
| 2535 | HAYFIELD | 345 | 11 | CUSTODIAL | 11 | 11 |
| 2536 | SPRING BASIN | 5,219 | 45 | IMPROVE | 45 | 300 |
| 2537 | DAVIS | 1,360 | 72 | IMPROVE | 72 | 85 |
| 2538 | DECKER | 2,999 | 206 | IMPROVE | 206 | 230 |
| 2539 | DORMAIER | 109 | 14 | CUSTODIAL | 14 | 14 |
| 2540 | PERSIMMON WOODS | 40 | 5 | CUSTODIAL | 5 | 5 |
| 2541 | EAKIN | 1,760 | 12 | IMPROVE | 12 | 12 |
| 2542 | BIG SUMMIT | 970 | 133 | MAINTAIN | 133 | 133 |
| 2543 | ELLSWORTH | 583 | 32 | CUSTODIAL | 32 | 32 |
| 2544 | CIRCLE S RANCH | 518 | 9 | IMPROVE | 9 | 9 |
| 2545 | FORREST SOLOMON | 11,095 | 438 | IMPROVE | 438 | 510 |
| 2546 | GREEN | 40 | 2 | CUSTODIAL | 2 | 2 |
| 2547 | GRIFFITH | 2,397 | 245 | IMPROVE | 245 | 245 |
| 2548 | HOGAN CREEK | 160 | 12 | CUSTODIAL | 12 | 12 |
| 2549 | HARDIE | 1,002 | 84 | MAINTAIN | 84 | 95 |
| 2550 | FRED HANSON | 200 | 25 | CUSTODIAL | 25 | 25 |
| 2551 | CLINTON O. HARRIS | 1,646 | 98 | IMPROVE | 98 | 110 |
| 2552 | BUCKHORN | 40 | 2 | CUSTODIAL | 2 | 2 |
| 2553 | HIGLEY | 1,127 | 20 | IMPROVE | 20 | 25 |
| 2554 | CHARLES H. HILL | 2,557 | 120 | IMPROVE | 120 | 120 |
| 2556 | MURRAY HOWARD | 1,045 | 43 | IMPROVE | 43 | 50 |
| 2557 | HULDEN | 160 | 15 | CUSTODIAL | 15 | 15 |
| 2558 | HUMPHREYS BROTHERS | 5,741 | 352 | IMPROVE | 352 | 400 |
| 2559 | FOPIANO | 762 | 86 | CUSTODIAL | 86 | 86 |
| 2560 | BASE LINE | 598 | 30 | MAINTAIN | 30 | 30 |
| 256-i | JACKSON | 587 | 61 | IMPROVE | 61 | 75 |
| 2562 | J BAR S | 115 | 4 | IMPROVE | 4 | 4 |
| 2563 | DONALD R. JOHNSON | 1.062 | 63 | MAINTAIN | 63 | 75 |

| NO. | ALLOTMENT NAME | ACRES PL | CURRENT ACTIVE USE | CATEGORY | SHORT TERM | LONG TERM |
|---|---|---|---|---|---|---|
| 2564 | DONALD R. JOHNSON | 325 | 28 | MAINTAIN | 28 | 30 |
| 2565 | LEROY A. BRITT | 431 | 33 | CUSTODIAL | 33 | 33 |
| 2566 | JUSTESON | 113 | 3 | CUSTODIAL | 3 | 3 |
| 2567 | KASER BROTHERS | 1,509 | 59 | IMPROVE | 59 | 75 |
| 2568 | KEEGAN | 618 | 29 | CUSTODIAL | 29 | 29 |
| 2569 | ZACK T. KEYS | 2,001 | 71 | IMPROVE | 71 | 98 |
| 2570 | ZACK T. KEYS | 1,607 | 58 | IMPROVE | 58 | 75 |
| 2571 | HORN BUTTE | 5,023 | 836 | IMPROVE | 836 | 900 |
| 2572 | LAFFOON AND CARLSON | 3,655 | 85 | IMPROVE | 85 | 85 |
| 2574 | LEAR | 200 | 13 | CUSTODIAL | 13 | 1 |
| 2575 | ANDREW F. LECKIE,JR. | 55 | 1 | IMPROVE | 1 | 1 |
| 2578 | LOGAN | 2,194 | 166 | CUSTODIAL | 166 | 166 |
| 2579 | EUGENE LOGAN JR. | 840 | 42 | MAINTAIN | 42 | 85 |
| 2580 | BIG SUMMIT WEST | 1,267 | 145 | MAINTAIN | 145 | 170 |
| 2581 | ELSIE MARTIN | 920 | 22 | MAINTAIN | 22 | 22 |
| 2582 | GRAY PRAIRIE | 40 | 6 | CUSTODIAL | 6 | 6 |
| 2583 | MULKEY | 200 | 15 | MAINTAIN | 15 | 15 |
| 2584 | CATHERINE MAURER | 14,683 | 526 | IMPROVE | 526 | 700 |
| 2585 | SEEK PEAK | 320 | 11 | CUSTODIAL | 11 | 11 |
| 2586 | TOM MCDONALD | 1,800 | 70 | IMPROVE | 70 | 96 |
| 2587 | HERBERT F. MCKAY | 2,101 | 78 | IMPROVE | 78 | 110 |
| 2588 | SPUD | 608 | 40 | MAINTAIN | 40 | 40 |
| 2589 | MCQUINN | 40 | 1 | CUSTODIAL | 1 | 1 |
| 2591 | MILLER | 1,875 | 46 | IMPROVE | 46 | 55 |
| 2592 | MARY MISENER | 595 | 51 | IMPROVE | 51 | 60 |
| 2593 | VERNE A. MOBLEY | 1,240 | 133 | MAINTAIN | 133 | 133 |
| 2594 | MOREHOUSE AND ELLIOT | 65 | 3 | MAINTAIN | 3 | 3 |
| 2595 | MORRIS | 833 | 53 | IMPROVE | 53 | 65 |
| 2596 | HOWARD MORTIMORE | 120 | 12 | CUSTODIAL | 12 | 12 |
| 2597 | JOHN T. MURTHA | 7,585 | 227 | IMPROVE | 227 | 310 |
| 2598 | HAY CREEK | 1,518 | 37 | IMPROVE | 37 | 45 |
| 2599 | KENNETH MYERS | 160 | 10 | CUSTODIAL | 10 | 10 |
| 2600 | J. WILLIS NARTZ | 935 | 48 | CUSTODIAL | 48 | 48 |
| 2601 | VICTOR B. NASH | 160 | 14 | CUSTODIAL | 14 | 14 |
| 2602 | ERNEST L. PARSLEY | 40 | 4 | CUSTODIAL | 4 | 4 |
| 2603 | LEE H. PETTYJOHN | 360 | 14 | MAINTAIN | 14 | 14 |
| 2604 | PHILIPPI | 1,022 | 64 | MAINTAIN | 64 | 64 |
| 2605 | E. GLENN POTTER | 280 | 12 | CUSTODIAL | 12 | 12 |
| 2606 | WILLIAM W. POTTER | 80 | 4 | CUSTODIAL | 4 | 4 |
| 2607 | PRYOR FARMS | 800 | 50 | MAINTAIN | 50 | 50 |
| 2608 | RATTRAY A | 4,487 | 163 | IMPROVE | 163 | 200 |
| 2609 | RATTRAY B | 1,085 | 56 | MAINTAIN | 56 | 56 |
| 2610 | RATTRAY C | 1,671 | 29 | IMPROVE | 29 | 29 |
| 2611 | VAN RIETMAN | 680 | 25 | MAINTAIN | 25 | 25 |
| 2612 | ARTHUR N. ROBISON | 40 | 1 | CUSTODIAL | 1 | 1 |
| 2613 | FRANK R. ROBISON | 200 | 4 | CUSTODIAL | 4 | 4 |
| 2614 | R AND R ROLFE | 1,893 | 73 | IMPROVE | 73 | 100 |
| 2615 | ROLFE | 145 | 4 | CUSTODIAL | 4 | 4 |
| 2616 | ORVILLE RUGGLES | 162 | 11 | CUSTODIAL | 11 | 11 |
| 2617 | SCHARF | 661 | 26 | MAINTAIN | 26 | 26 |
| 2619 | SID SEALE | 12,597 | 708 | IMPROVE | 708 | 780 |
| 2620 | EVELYN E. SEE | 177 | 3 | CUSTODIAL | 3 | 3 |
| 2621 | EARL A. SMITH | 232 | 35 | CUSTODIAL | 35 | 35 |
| 2622 | ALTA M. SPAULDING | 121 | 7 | CUSTODIAL | 7 | 7 |
| 2623 | STEIWER RANCHES | 2,826 | 174 | MAINTAIN | 174 | 190 |
| 2624 | THOMAS M. STEPHENS | 328 | 7 | CUSTODIAL | 7 | 7 |
| 2625 | DAVID M. STIREWALT | 1,340 | 65 | IMPROVE | 65 | 80 |
| 2626 | J.M. STIREWALT | 8,618 | 469 | IMPROVE | 469 | 550 |
| 2627 | ROBERT W. STRAUB | 678 | 30 | CUSTODIAL | 30 | 30 |
| 2628 | THOMAS F. SUMNER | 840 | 152 | IMPROVE | 152 | 175 |
| 2629 | TATUM | 2,889 | 113 | IMPROVE | 113 | 130 |
| 2630 | TRIPP | 80 | 7 | IMPROVE | 7 | 7 |
| 2631 | DIPPING VAT | 1,160 | 25 | MAINTAIN | 25 | 25 |

| NO. | ALLOTMENT NAME | ACRES PL | CURRENT ACTIVE USE | CATEGORY | SHORT TERM | LONG TERM |
|---|---|---|---|---|---|---|
| 2632 | LARSON | 400 | 27 | CUSTODIAL | 27 | 27 |
| 2633 | RATTLESNAKE | 2,780 | 167 | IMPROVE | 167 | 190 |
| 2634 | WADE BROTHERS | 160 | 32 | CUSTODIAL | 32 | 32 |
| 2635 | RICHARD FOSTER | 289 | 20 | CUSTODIAL | 20 | 20 |
| 2636 | GEORGE WEEDMAN | 343 | 6 | CUSTODIAL | 6 | 6 |
| 2637 | V.O. WEST | 223 | 15 | MAINTAIN | 15 | 15 |
| 2638 | VIRGIL M. WOELPERN | 144 | 10 | CUSTODIAL | 10 | 10 |
| 2639 | TUBB CREEK | 429 | 50 | CUSTODIAL | 50 | 50 |
| 2641 | JESS L. ROSS | 78 | 3 | CUSTODIAL | 3 | 3 |
| 2642 | MASCALL, LILLIAN C. | 4,308 | 265 | IMPROVE | 265 | 315 |
| 2643 | CHARLES H. HILL | 80 | 5 | IMPROVE | 5 | 5 |
| 2644 | HI MEADOWS | 640 | 98 | MAINTAIN | 98 | 98 |
| 2645 | CLARK | 3,967 | 152 | IMPROVE | 152 | 200 |
| 2646 | LONEROCK | 147 | 27 | CUSTODIAL | 27 | 27 |
| 2647 | RATTRAY D | 1,191 | 64 | IMPROVE | 64 | 75 |
| 2648 | HARTUNG | 540 | 16 | IMPROVE | 16 | 25 |
| 2649 | RIM | 301 | 3 | CUSTODIAL | 3 | 3 |
| 2650 | FOX CANYON | 550 | 65 | MAINTAIN | 65 | 65 |
| 2651 | BULL CANYON | 280 | 3 | CUSTODIAL | 3 | 3 |
| 2652 | LIGHTHART | 40 | 1 | CUSTODIAL | 1 | 1 |
| 2653 | BROOKS LEASE | 38 | 2 | CUSTODIAL | 2 | 2 |
| 2654 | CROSSROADS | 15 | 1 | CUSTODIAL | 1 | 1 |
| 2655 | NORTON RANCH | 356 | 21 | CUSTODIAL | 21 | 21 |
| 2656 | DRY KNOB | 275 | 7 | CUSTODIAL | 7 | 7 |
| 2657 | BRIDGE CREEK | 51 | 2 | CUSTODIAL | 2 | 2 |
| 2660 | RATTLESNAKE CREEK | 280 | 11 | CUSTODIAL | 11 | 11 |
| 2661 | PEBBLE SPRINGS | 320 | 53 | CUSTODIAL | 53 | 53 |
| 4076 | COTTONWOOD CREEK | 280 | ---- | CUSTODIAL | ---- | ---- |
| 4131 | DAY CREEK | 871 | ---- | CUSTODIAL | ---- | ---- |
| 4145 | TWO COUNTY | 3.587 | ---- | CUSTODIAL | ---- | ---- |
| 750f | BIRD | 4,737 | 265 | IMPROVE | 265 | 265 |
| 7503 | BORTHWICK | 1,615 | 191 | CUSTODIAL | 191 | 191 |
| 7505 | BEUTHER | 160 | 8 | CUSTODIAL | 8 | 8 |
| 7567 | CLAUSEN | 1,760 | 112 | IMPROVE | 112 | 120 |
| 7508 | CLAYMIER,L | 360 | 48 | CUSTODIAL | 48 | 48 |
| 7510 | CONLEY | 120 | 27 | CUSTODIAL | 27 | 27 |
| 7511 | CONNOLLY | 2,494 | 373 | IMPROVE | 373 | 400 |
| 7512 | CONROY,P.J. | 440 | 45 | CUSTODIAL | 45 | 45 |
| 7513 | CONROY.J | 375 | 48 | MAINTAIN | 48 | 48 |
| 7514 | COOPER | 455 | 27 | CUSTODIAL | 27 | 27 |
| 7516 | GOMES | 120 | 11 | CUSTODIAL | 11 | 11 |
| 7517 | DRIVER | 90 | 6 | CUSTODIAL | 6 | 6 |
| 7518 | DELUDE | 1,350 | 76 | IMPROVE | 76 | 76 |
| 7519 | DICK | 740 | 35 | CUSTODIAL | 35 | 35 |
| 7520 | DULING | 197 | 8 | CUSTODIAL | 8 | 8 |
| 7521 | DURETTE | 190 | 14 | CUSTODIAL | 14 | 14 |
| 7523 | WHITE RIVER ODFW CMA | 265 | 0 | CUSTODIAL | 0 | 0 |
| 7524 | FESSLER | 213 | 25 | CUSTODIAL | 25 | 25 |
| 7525 | FOLMSBEE | 500 | 21 | CUSTODIAL | 21 | 21 |
| 7526 | FORMAN.C | 400 | 38 | CUSTODIAL | 38 | 38 |
| 7527 | FORMAN.R | 779 | 57 | CUSTODIAL | 57 | 57 |
| 7528 | FUSTON | 150 | 20 | CUSTODIAL | 20 | 20 |
| 7529 | GRANT | 1,062 | 96 | MAINTAIN | 96 | 96 |
| 7530 | GRIFFITH | 32 | 32 | CUSTODIAL | 32 | 32 |
| 7531 | HACHLER | 261 | 10 | CUSTODIAL | IO | 10 |
| 7532 | HAMMEL,L.E. | 425 | 32 | CUSTODIAL | 32 | 32 |
| 7533 | HAMMEL.E.W. | 1,577 | 120 | MAINTAIN | 120 | 120 |
| 7534 | HASTINGS,J.R. | 655 | 56 | CUSTODIAL | 56 | 56 |
| 7535 | HAY CREEK | 434 | 52 | CUSTODIAL | 52 | 52 |
| 7536 | KASKELA FARMS | 342 | 28 | CUSTODIAL | 28 | 28 |
| 7537 | HIX | 39 | 7 | CUSTODIAL | 7 | 7 |
| 7538 | HOGAN | 181 | 26 | CUSTODIAL | 26 | 26 |
| 7539 | HOLMES | 647 | 80 | CUSTODIAL | 80 | 80 |

| NO. | ALLOTMENT NAME | ACRES PL | CURRENT ACTIVE USE | CATEGORY | SHORT TERM | LONG TERM |
|---|---|---|---|---|---|---|
| 7540 | K AND P | 1,695 | 172 | CUSTODIAL | 172 | 172 |
| 7541 | KASKELA RANCH | 1,004 | 165 | MAINTAIN | 165 | 165 |
| 7542 | GREENVALLEY FARMS | 279 | 50 | MAINTAIN | 50 | 50 |
| 7543 | KETCHUM RANCH | 208 | 18 | CUSTODIAL | 18 | 18 |
| 7544 | KINZEY | 55 | 7 | CUSTODIAL | 7 | 7 |
| 7545 | KORTG E | 438 | 54 | IMPROVE | 54 | 54 |
| 7546 | NARTZ | 80 | 12 | CUSTODIAL | | 12 |
| 7547 | LIMMEROTH | 6,489 | 551 | IMPROVE | 5:: | 600 |
| 7548 | LINDLEY | 595 | 41 | CUSTODIAL | 41 | 41 |
| 7549 | MCDERMID | 80 | 6 | CUSTODIAL | 6 | 6 |
| 7550 | JOHNSON | 2,235 | 291 | CUSTODIAL | 291 | 291 |
| 7551 | METTEER | 883 | 87 | MAINTAIN | 87 | 87 |
| 7553 | MORELLI | 647 | 12 | CUSTODIAL | 12 | 12 |
| 7555 | MORROW BROTHERS | 160 | 21 | CUSTODIAL | 21 | 21 |
| 7556 | NORTHUP | 160 | 18 | CUSTODIAL | 18 | 18 |
| 7557 | OCHS | 120 | 12 | CUSTODIAL | 12 | 12 |
| 7558 | PATJENS | 1,028 | 131 | CUSTODIAL | 131 | 131 |
| 7560 | PRIDAY,J. | 960 | 85 | CUSTODIAL | 85 | 85 |
| 7561 | PRIDAY BROS. | 2,616 | 193 | CUSTODIAL | 193 | 193 |
| 7562 | QUAALE | | 7 | CUSTODIAL | 7 | 7 |
| 7563 | RANCH AND REC. | 3% | 36 | CUSTODIAL | 36 | 36 |
| 7564 | RECKMANN,J.P. | 3,194 | 198 | IMPROVE | 198 | 240 |
| 7565 | RECKMANN,J.H. | 560 | 53 | CUSTODIAL | 53 | 53 |
| 7566 | RICHARDSON | 40 | 10 | CUSTODIAL | 10 | 10 |
| 7567 | WAGENBLAST | 80 | 10 | CUSTODIAL | 10 | 10 |
| 7568 | SHARP,A.J. | 2,576 | 82 | IMPROVE | 82 | 95 |
| 7569 | SHARP,P. | 480 | 42 | CUSTODIAL | 42 | 42 |
| 7570 | JOHNSON | 120 | 15 | CUSTODIAL | 15 | 15 |
| 7571 | SMITH,E.V. | 170 | 26 | CUSTODIAL | 26 | 26 |
| 7572 | SMITH,W.C. | 41 | 7 | CUSTODIAL | 7 | 7 |
| 7573 | WOODSIDE,VAN | 80 | 8 | CUSTODIAL | 8 | 8 |
| 7576 | URBACH | 65 | 119 | CUSTODIAL | 119 | 119 |
| 7577 | TWO SPRINGS | 1,534 | 116 | MAINTAIN | 116 | 116 |
| 7578 | GEORGE WARD | 1,804 | 291 | CUSTODIAL | 291 | 291 |
| 7579 | WEBB,W.L. | 2,978 | 242 | MAINTAIN | 242 | 242 |
| 7580 | VIBBERT | 162 | 10 | CUSTODIAL | 10 | 10 |
| 7581 | ROSE | 42 | 43 | CUSTODIAL | 43 | 43 |
| 7582 | WILLIAMS | 89 | 7 | CUSTODIAL | 7 | 7 |
| 7583 | NIELSEN | 1,245 | 92 | MAINTAIN | 92 | 92 |
| 7584 | WOODSIDE,H. | 105 | 11 | CUSTODIAL | 11 | 11 |
| 7585 | WOODSIDE,L. | 300 | 51 | CUSTODIAL | 51 | 51 |
| 7587 | AUSTIN | 160 | 8 | CUSTODIAL | 8 | 8 |
| 7588 | ASHLEY | 314 | 35 | CUSTODIAL | 35 | 35 |
| 7590 | MILLER | 40 | 8 | CUSTODIAL | 8 | 8 |
| 7591 | ROTH | 720 | 34 | CUSTODIAL | 34 | 34 |
| 7592 | GRIFFITH | 1,167 | 95 | MAINTAIN | 95 | 95 |
| 7594 | IRIBARREN | 799 | 58 | CUSTODIAL | 58 | 58 |
| 7596 | GAY | 718 | 28 | CUSTODIAL | 28 | 28 |
| | **TOTALS** | 292,736 | 17,778 | | 17,778 | **19,920** |

# Appendix D
# Selective Management Category, Acres Public Land, Current Livestock Use and Ecological Condition by Allotment

| ALLOT. NUMBER | SELECTIVE MANAGEMENT CATEGORY | ACRES PUBLIC LAND | LIVESTOCK KIND | GRAZING PERIOD BEGIN-END | CURRENT ACTIVE USE | BLM ACRES BY ECOLOGICAL CONDITION CLASS: CLIMAX | LATE SERAL | MID SERAL | EARLY SERAL | UNCLASS/ OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| 2500 | CUSTODIAL | 80 | CATTLE | 1001-228 | 10 | 18 | 16 | 0 | 44 | 2 |
| 2501 | IMPROVE | 1.999 | CATTLE | 401-1231 | 101 | 0 | 608 | 223 | 1,093 | 75 |
| 2502 | CUSTODIAL | 280 | CATTLE | 615-1130 | 35 | 23 | 95 | 85 | 77 | 0 |
| 2503 | IMPROVE | 360 | CATTLE | 615-1021 | 17 | 29 | 122 | 109 | 100 | 0 |
| 2504 | CUSTODIAL | 160 | CATTLE | 501-1031 | 18 | 39 | 102 | 13 | 0 | 6 |
| 2505 | CUSTODIAL | 400 | CATTLE | 301- 501 | 55 | 73 | 248 | 64 | 0 | 15 |
| 2506 | CUSTODIAL | 200 | CATTLE | 401-1107 | 19 | 3 | 78 | 68 | 38 | 7 |
| 2507 | CUSTODIAL | 120 | CATTLE | 901- 930 | 3 | 10 | 41 | 36 | 33 | 0 |
| 2508 | MAINTAIN | 842 | CATTLE | 415-1129 | 45 | 68 | 285 | 255 | 234 | 0 |
| 2509 | IMPROVE | .840 | CATTLE | 401-614 | 62 | 1,246 | 166 | 133 | 257 | 68 |
| 2512 | IMPROVE | ,890 | CATTLE | 301-1218 | 505 | i97 | 1,861 | 4.211 | 8.070 | 551 |
| 2513 | MAINTAIN | ,215 | CATTLE | 401-1217 | 60 | 63 | 439 | ,464 | 204 | 45 |
| 2514 | MAINTAIN | 3.325 | CATTLE | 401-1031 | 224 | 0 | 658 | .799 | 745 | 123 |
| 2515 | MAINTAIN | 280 | CATTLE | 616-1031 | 9 | 0 | 270 | 0 | 0 | 10 |
| 2517 | CUSTODIAL | 119 | CATTLE | m-1031 | 6 | 0 | 56 | 0 | 59 | 4 |
| 2518 | IMPROVE | 5.418 | CATTLE | 416-1117 | 346 | 1,188 | 3,132 | 785 | 113 | 200 |
| 2519 | MAINTAIN | 1,301 | CATTLE | m-1223 | 14% | 105 | 441 | 394 | 361 | 0 |
| 2520 | IMPROVE | 2.596 | CATTLE | 401- 930 | 93 | 552 | 999 | 0 | 949 | 96 |
| 2521 | IMPROVE | 737 | CATTLE | | 43 | 0 | 80 | 630 | 0 | 27 |
| 2522 | IMPROVE | 2,527 | CATTLE | 501-1031 | 66 | 540 | 1,060 | 457 | 377 | 93 |
| 2523 | CUSTODIAL | 130 | CATTLE | 301- 430 | 2 | 10 | 44 | 39 | 36 | 1 |
| 2524 | CUSTODIAL | 44' | CATTLE | 501- 930 | 10 | 123 | 169 | 132 | 0 | 17 |
| 2525 | MAINTAIN | 2,074 | CATTLE | 301-228 | 231 | 0 | 930 | 780 | 287 | 77 |
| 2526 | CUSTODIAL | 760 | CATTLE | 315-131 | 60 | 208 | 191 | 250 | 83 | 28 |
| 2528 | CUSTODIAL | 1,240 | CATTLE | 415-1124 | 44 | 0 | 474 | 0 | 720 | 46 |
| 2529 | CUSTODIAL | 3,480 | CATTLE | 601- 930 | 304 | 23 | ',258 | 2.007 | 63 | 129 |
| 2530 | CUSTODIAL | 712 | CATTLE | 401-1123 | 118 | 93 | 480 | 0 | 112 | 27 |
| 2531 | MAINTAIN | 5,294 | CASTLE | 601- 930 | 192 | 0 | 3,832 | 0 | 1,246 | 196 |
| 2532 | CUSTODIAL | 1,633 | CATTLE | 401-1215 | 102 | 21 | 864 | 54 | 634 | 60 |
| 2533 | MAINTAIN | 6.995 | CATTLE | 401-1215 | 403 | 897 | 1,311 | 988 | 2,940 | 259 |
| 2534 | CUSTODIAL | 80 | CATTLE | | 6 | 6 | 27 | 24 | 22 | 1 |
| 2535 | CUSTODIAL | 345 | CATTLE | 520-1104 | 11 | 0 | 301 | 31 | 0 | 13 |
| 2536 | IMPROVE | 5.219 | CATTLE | 401-1231 | 45 | 0 | 3.188 | 436 | 1,399 | 194 |
| 2537 | IMPROVE | 1.360 | CATTLE | 1101-228 | 72 | 176 | 414 | 408 | 312 | 50 |
| 2538 | IMPROVE | 2,939 | CATTLE | 416-1014 | 206 | 146 | 2,153 | 24% | 339 | 112 |
| 2539 | CUSTODIAL | 109 | CATTLE | 401- 715 | 14 | 0 | 0 | 0 | 105 | 4 |
| 2540 | CUSTODIAL | 40 | CATTLE | 401- 901 | 5 | 3 | 14 | 12 | 11 | 0 |
| 2541 | IMPROVE | 1.760 | CATTLE | 401- 630 | 12 | 1,333 | 242 | 83 | 36 | 66 |
| 2542 | MAINTAIN | 970 | CATTLE | 501-1031 | 133 | 78 | 329 | 294 | 269 | 0 |
| 2543 | CUSTODIAL | 583 | CATTLE | 501-831 | 32 | 0 | 0 | 335 | 226 | 22 |
| 2544 | IMPROVE | 518 | CATTLE | 401-1231 | 9 | 0 | 0 | 439 | 0 | 19 |
| 2545 | IMPROVE | 11.095 | CATTLE | 301-228 | 438 | 892 | 3.759 | 3.362 | 3,082 | 0 |
| 2546 | CUSTODIAL | 40 | CATTLE | 901-1031 | 2 | 10 | 0 | 0 | 29 | 1 |
| 2547 | IMPROVE | 2,397 | CATTLE | 301-525 | 245 | 102 | 1,873 | 333 | 0 | 89 |
| 2548 | CUSTODIAL | 160 | CATTLE | 301-228 | 12 | 0 | 52 | 57 | 44 | 7 |
| 2549 | MAINTAIN | 1,002 | CATTLE | 301-1209 | 84 | 0 | 66 | 850 | 48 | 38 |
| 2550 | CUSTODIAL | 200 | CATTLE | 501-715 | 25 | 16 | 68 | 61 | 55 | 0 |
| 2551 | IMPROVE | 1.646 | CATTLE | 301-126 | 98 | 0 | 377 | 869 | 340 | 60 |
| 2552 | CUSTODIAL | 40 | CATTLE | 801- 930 | 2 | 3 | ii | 12 | 11 | 0 |
| 2553 | IMPROVE | 1,127 | CATTLE | 401-831 | 20 | 301 | 3 | 401 | 384 | 41 |
| 2554 | IMPROVE | 2.557 | CATTLE | 401-1130 | 120 | 0 | 556 | 1.751 | 156 | 94 |
| 2556 | IMPROVE | 1,045 | CATTLE | 401-1219 | 43 | 59 | i22 | 362 | 463 | 39 |
| 2557 | CUSTODIAL | 160 | CATTLE | 301-1015 | 15 | 13 | 54 | 38 | 44 | 1 |
| 2558 | IMPROVE | 5,741 | SHEEP | 401-1002 | 352 | 28 | 1,833 | 2,663 | 999 | 213 |
| 2559 | CUSTODIAL | 762 | CATTLE | 401-1115 | 86 | 61 | 258 | 231 | 212 | 0 |

| ALLOT. NUMBER | SELECTIVE MANAGEMENT CATEGORY | ACRES PUBLIC LAND | LIVESTOCK KIND | GRAZING PERIOD BEGIN-END | CURRENT ACTIVE USE | BLM ACRES BY ECOLOGICAL CONDITION CLASS CLIMAX | LATE SERAL | MID SERAL | EARLY SERAL | UNCLASS/ OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| 2560 | MAINTAIN | 598 | CATTLE | 416-1015 | 30 | 17 | 121 | 145 | 293 | 22 |
| 2561 | IMPROVE | 587 | CATTLE | 301-1115 | 61 | 0 | 268 | 298 | 0 | 21 |
| 2562 | IMPROVE | 115 | CATTLE | 401-731 | 4 | 9 | 39 | 35 | 32 | 0 |
| 2563 | MAINTAIN | 1,062 | CATTLE | 501-1109 | 63 | 0 | 160 | 530 | 333 | 39 |
| 2564 | MAINTAIN | 325 | CATTLE | 401-1031 | 28 | 0 | 0 | 62 | 251 | 12 |
| 2565 | CUSTODIAL | 431 | CATTLE | 415-1103 | 33 | 0 | 210 | 205 | 0 | 16 |
| 2566 | CUSTODIAL | 113 | CATTLE | 316-430 | 3 | 9 | 38 | 34 | 31 | 1 |
| 2567 | IMPROVE | 1.509 | CATTLE | 301- 228 | 59 | 0 | 499 | 309 | 645 | 56 |
| 2568 | CUSTODIAL | 618 | CATTLE | 501-1023 | 29 | 0 | 0 | 0 | 595 | 23 |
| 2569 | IMPROVE | 2,001 | CATTLE | 401-202 | 71 | 203 | 1,239 | 219 | 266 | 74 |
| 2570 | IMPROVE | 1,607 | CATTLE | 401-127 | 58 | 0 | 0 | 1.548 | 0 | 59 |
| 2571 | .IMPROVE | 5,023 | SHEEP | 301-228 | 836 | 0 | 632 | 3,481 | 725 | 185 |
| 2572 | IMPROVE | 3.655 | CATTLE | 601-1031 | 85 | 2,266 | 45 | 365 | 841 | 135 |
| 2574 | CUSTODIAL | 200 | CATTLE | 401-1015 | 13 | 0 | 193 | 0 | 0 | 7 |
| 2575 | IMPROVE | 55 | CATTLE | 501-531 | 1 | 0 | 0 | 14 | 39 | 2 |
| 2578 | CUSTODIAL | 2,194 | SHEEP | 501-930 | 166 | 421 | 774 | 0 | 918 | 81 |
| 2579 | MAINTAIN | 840 | CATTLE | 901-226 | 42 | 0 | 545 | 15 | 250 | 30 |
| 2580 | MAINTAIN | 1.267 | CATTLE | 501-1031 | 135 | 102 | 429 | 384 | 352 | 0 |
| 2581 | MAINTAIN | 920 | CATTLE | 501-1015 | 22 | 68 | 623 | 195 | 0 | 34 |
| 2582 | CUSTODIAL | 40 | CATTLE | 501-1031 | 6 | 3 | 14 | 12 | 11 | 0 |
| 2583 | MAINTAIN | 200 | CATTLE | 701.1022 | 15 | 0 | 0 | 47 | 146 | 7 |
| 2584 | IMPROVE | 14,683 | CATTLE | 301-228 | 526 | 151 | 3.421 | 4,017 | 6,550 | 543 |
| 2585 | CUSTODIAL | 320 | CATTLE | 401- 719 | 11 | 0 | 285 | 0 | 23 | 12 |
| 2585 | IMPROVE | 1,800 | CATTLE | 401-1115 | 70 | 0 | 141 | 378 | 1,214 | 67 |
| 2587 | IMPROVE | 2,101 | CATTLE | 301-1215 | 78 | 0 | 17 | 0 | 2.006 | 78 |
| 2588 | MAINTAIN | 608 | CATTLE | 1001-228 | 40 | 0 | 427 | 0 | 159 | 22 |
| 2569 | CUSTODIAL | 40 | CATTLE | 601-630 | 1 | 3 | 14 | 12 | 11 | 0 |
| 2591 | IMPROVE | 1,875 | CATTLE | 510-1031 | 46 | 171 | 731 | 741 | 162 | 70 |
| 2592 | IMPROVE | 595 | SHEEP | | 51 | 0 | 172 | ill | 289 | 23 |
| 2593 | MAINTAIN | 1.240 | CATTLE | 401-1031 | 133 | 0 | 1,036 | 138 | 0 | 46 |
| 2594 | MAINTAIN | 65 | CATTLE | 301-531 | 3 | 5 | 22 | 20 | 18 | 0 |
| 2595 | IMPROVE | 833 | CATTLE | 325-1031 | 53 | 0 | 80 | 141 | 581 | 31 |
| 2536 | CUSTODIAL | 120 | CATTLE | 501-1031 | 12 | 10 | 41 | 36 | 33 | 0 |
| 2597 | IMPROVE | 7,585 | CATTLE | 301-124 | 227 | 981 | 3,407 | 2,092 | 825 | 280 |
| 2598 | IMPROVE | 1,518 | CATTLE | 1015-228 | 37 | 122 | 514 | 460 | 422 | 0 |
| 2599 | CUSTODIAL | 160 | CATTLE | 401-228 | 10 | 27 | 42 | 0 | 85 | 6 |
| 2600 | CUSTODIAL | 935 | CATTLE | 301-1218 | 48 | 0 | 0 | 333 | 567 | 35 |
| 2601 | CUSTODIAL | 160 | CATTLE | 601-131 | 14 | 13 | 54 | 48 | 44 | 1 |
| 2602 | CUSTODIAL | 40 | CATTLE | 601-930 | 4 | 3 | 14 | 12 | 11 | 0 |
| 2603 | MAINTAIN | 360 | CATTLE | 801-228 | 14 | 0 | 0 | 76 | 271 | 13 |
| 2604 | MAINTAIN | 1,022 | CATTLE | 301-228 | 64 | 0 | 193 | 184 | 608 | 37 |
| 2605 | CUSTODIAL | 280 | CATTLE | 1001-131 | 12 | 23 | 95 | 85 | 77 | 0 |
| 2606 | CUSTODIAL | 80 | CATTLE | 601-930 | 4 | 0 | 77 | 0 | 0 | 3 |
| 2607 | MAINTAIN | 800 | CATTLE | 401-1104 | 50 | 120 | 651 | 0 | 0 | 23 |
| 2608 | IMPROVE | 4.487 | CATTLE | 815-228 | 163 | 122 | 1,556 | 2,142 | 502 | 165 |
| 2609 | MAINTAIN | .085 | CATTLE | 325- 228 | 56 | 87 | 368 | 329 | 301 | 0 |
| 2610 | IMPROVE | 1,671 | CATTLE | 401-228 | 29 | 0 | 998 | 259 | 352 | 62 |
| 2611 | MAINTAIN | 680 | CATTLE | 301- 705 | 25 | 0 | 467 | 161 | 27 | 25 |
| 2612 | CUSTODIAL | 40 | CATTLE | 301- 401 | 1 | 3 | 14 | 12 | ii | 0 |
| 2613 | CUSTODIAL | 200 | CATTLE | 501-831 | 4 | 0 | 0 | 193 | 0 | 7 |
| 2613 | IMPROVE | .893 | CATTLE | 401-214 | 73 | 0 | 0 | 0 | 1,823 | 70 |
| 2615 | CUSTODIAL | 145 | CATTLE | 810-1009 | 4 | 0 | | 0 | 140 | 5 |
| 2616 | CUSTCDIAL | 162 | CATTLE | 601-920 | 11 | 0 | 14: | 0 | 15 | 6 |
| 2617 | MAINTAIN | 661 | CATTLE | 316-1001 | 26 | 55 | 254 | 0 | 327 | 25 |
| 2619 | IMPROVE | 12,597 | CATTLE | 301-228 | 708 | 3.362 | 4,863 | 1.900 | 2,006 | 465 |
| 2620 | CUSTODIAL | 177 | CATTLE | 416-715 | 3 | 170 | 0 | 0 | 0 | 7 |
| 2621 | CUSTODIAL | 232 | CATTLE | 416-915 | 35 | 19 | 79 | 70 | 64 | 0 |
| 2622 | CUSTODIAL | 121 | CATTLE | 401-1031 | 7 | 0 | 0 | 117 | 0 | 4 |
| 2623 | MAINTAIN | 2,826 | SHEEP | 301-228 | 174 | 53 | 817 | 274 | 1.578 | 104 |
| 2624 | CUSTODIAL | 328 | CATTLE | 315-1014 | 7 | 0 | 0 | 0 | 316 | 12 |
| 2625 | IMPROVE | 1,340 | CATTLE | 301- 607 | 65 | 0 | 0 | 1.121 | 169 | 50 |
| 2626 | IMPROVE | 8,618 | CATTLE | 401-1031 | 469 | 461 | 1,423 | 4.022 | 2,393 | 319 |
| 2627 | CUSTODIAL | 678 | CATTLE | 901-1130 | 30 | 0 | 0 | 288 | 365 | 25 |

| ALLOT. NUMBER | SELECTIVE MANAGEMENT CATEGORY | ACRES PUBLIC LAND | LIVESTOCK KIND | GRAZING PERIOD BEGIN-END | CURRENT ACTIVE USE | BLM ACRES BY ECOLOGICAL CONDITION CLASS CLIMAX | LATE SERAL | MID SERAL | EARLY SERAL | UNCLASS/ OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| 2628 | IMPROVE | 840 | CATTLE | 301- 228 | 152 | 0 | 97 | 265 | 447 | 31 |
| 2629 | IMPROVE | 2,889 | CATTLE | 516-1019 | 113 | 532 | 1,281 | 458 | 511 | 107 |
| 2630 | IMPROVE | 80 | CATTLE | 915-1231 | 7 | 6 | 27 | 24 | 22 | 1 |
| 2631 | MAINTAIN | 1,160 | CATTLE | 401-1007 | 25 | 696 | 292 | 0 | 129 | 43 |
| 2632 | CUSTODIAL | 400 | CATTLE | 401-1231 | 27 | 0 | 385 | 0 | 0 | 15 |
| 2633 | IMPROVE | 2,780 | CATTLE | 301- 228 | 167 | 224 | 942 | 842 | 772 | 0 |
| 2634 | CUSTODIAL | 160 | CATTLE | 315- 605 | 32 | 0 | 154 | 0 | 0 | 6 |
| 2635 | CUSTODIAL | 269 | CATTLE | 401-1019 | 20 | 0 | 28 | 91 | 169 | 11 |
| 2636 | CUSTODIAL | 343 | CATTLE | 416-1015 | 6 | 0 | 0 | 159 | 171 | 13 |
| 2637 | MAINTAIN | 223 | CATTLE | 401- 228 | 15 | 0 | 67 | 23 | 124 | 9 |
| 2638 | CUSTODIAL | 144 | CATTLE | 301-1231 | 10 | 12 | 49 | 44 | 39 | 0 |
| 2639 | CUSTODIAL | 429 | CATTLE | 301-1110 | 50 | 34 | 145 | 130 | 119 | 1 |
| 2641 | CUSTODIAL | 78 | CATTLE | 301- 331 | 3 | 6 | 26 | 24 | 22 | 0 |
| 2642 | IMPROVE | 4,308 | CATTLE | 401-1105 | 265 | 0 | 1,496 | 1,366 | 1,287 | 159 |
| 2643 | IMPROVE | 80 | CATTLE | 516-1015 | 5 | 6 | 27 | 24 | 22 | 1 |
| 2644 | MAINTAIN | 640 | CATTLE | 301- 228 | 98 | 0 | 616 | 0 | 0 | 24 |
| 2645 | IMPROVE | 3,967 | CATTLE | 415-1016 | 152 | 37 | 2,132 | 874 | 776 | 148 |
| 2646 | CUSTODIAL | 147 | CATTLE | 501-1012 | 27 | 12 | 50 | 45 | 40 | 0 |
| 2647 | IMPROVE | 1,191 | CATTLE | 410- 228 | 64 | 0 | 212 | 728 | 206 | 45 |
| 2648 | IMPROVE | 540 | CATTLE | 301-1031 | 16 | 43 | 183 | 164 | 150 | 0 |
| 2649 | CUSTODIAL | 301 | CATTLE | 415- 731 | 3 | 0 | 172 | 0 | 118 | 11 |
| 2650 | MAINTAIN | 550 | CATTLE | 501-1031 | 65 | 0 | 0 | 530 | 0 | 20 |
| 2651 | CUSTODIAL | 280 | CATTLE | 520- 819 | 3 | 0 | 0 | 228 | 42 | 10 |
| 2652 | CUSTODIAL | 40 | CATTLE | 801- 831 | 1 | 3 | 14 | 12 | 11 | 0 |
| 2653 | CUSTODIAL | 38 | CATTLE | 401- 531 | 2 | 0 | 0 | 0 | 37 | 1 |
| 2654 | CUSTODIAL | 15 | CATTLE | 801- 831 | 1 | 1 | 5 | 5 | 4 | 0 |
| 2655 | CUSTODIAL | 356 | CATTLE | 401-1031 | 21 | 0 | 0 | 128 | 214 | 14 |
| 2656 | CUSTODIAL | 275 | CATTLE | 416-1115 | 7 | 22 | 93 | 83 | 76 | 1 |
| 2657 | CUSTODIAL | 51 | CATTLE | 415- 614 | 2 | 4 | 17 | 15 | 14 | 1 |
| 2660 | CUSTODIAL | 280 | CATTLE | 301- 130 | 11 | 23 | 95 | 85 | 77 | 0 |
| 2661 | CUSTODIAL | 320 | CATTLE | 401-1117 | 53 | 26 | 108 | 97 | 89 | 0 |
| 4076 | CUSTODIAL | 280 | CATTLE | --------- | ---- | 23 | 95 | 85 | 77 | 0 |
| 4131 | CUSTODIAL | 871 | CATTLE | --------- | ---- | 70 | 295 | 264 | 242 | 0 |
| 4145 | CUSTODIAL | 3,587 | CATTLE | --------- | ---- | 288 | 1,215 | 1,087 | 996 | 1 |
| 7501 | IMPROVE | 4,737 | CATTLE | 301-1116 | 265 | 704 | 2,967 | 521 | 369 | 176 |
| 7503 | CUSTODIAL | 1,615 | CATTLE | 501-1031 | 191 | 0 | 0 | 1,066 | 489 | 60 |
| 7505 | CUSTODIAL | 160 | CATTLE | 301-1030 | 8 | 0 | 65 | 0 | 89 | 6 |
| 7507 | IMPROVE | 1,760 | CATTLE | 401- 731 | 112 | 120 | 508 | 787 | 280 | 65 |
| 7508 | CUSTODIAL | 360 | CATTLE | 301- 516 | 48 | 29 | 122 | 109 | 100 | 0 |
| 7510 | CUSTODIAL | 120 | CATTLE | 315-1101 | 27 | 0 | 77 | 0 | 39 | 4 |
| 7511 | IMPROVE | 2,494 | CATTLE | 301- 228 | 373 | 34 | 592 | 973 | 803 | 92 |
| 7512 | CUSTODIAL | 440 | CATTLE | 301- 228 | 45 | 0 | 131 | 292 | 0 | 17 |
| 7513 | MAINTAIN | 375 | CATTLE | 301- 228 | 48 | 30 | 127 | 114 | 104 | 0 |
| 7514 | CUSTODIAL | 455 | CATTLE | 516- 630 | 27 | 0 | 0 | 0 | 438 | 17 |
| 7516 | CUSTODIAL | 120 | CATTLE | 701- 906 | 11 | 10 | 41 | 36 | 33 | 0 |
| 7517 | CUSTODIAL | 90 | CATTLE | 301- 430 | 6 | 7 | 30 | 27 | 25 | 1 |
| 7518 | IMPROVE | 1,350 | CATTLE | 407- 630 | 76 | 0 | 0 | 605 | 695 | 50 |
| 7519 | CUSTODIAL | 740 | CATTLE | 301- 531 | 35 | 459 | 72 | 181 | 0 | 28 |
| 7520 | CUSTODIAL | 197 | CATTLE | 301-1031 | 8 | 16 | 67 | 60 | 54 | 0 |
| 7521 | CUSTODIAL | 190 | CATTLE | 301- 415 | 14 | 0 | 31 | 53 | 99 | 7 |
| 7523 | CUSTODIAL | 265 | CATTLE | --------- | 0 | 0 | 0 | 0 | 255 | 10 |
| 7524 | CUSTODIAL | 213 | CATTLE | 401- 407 | 25 | 0 | 77 | 0 | 128 | 8 |
| 7525 | CUSTODIAL | 500 | CATTLE | 401- 630 | 21 | 0 | 141 | 223 | 117 | 19 |
| 7526 | CUSTODIAL | 400 | CATTLE | 501-1130 | 38 | 0 | 385 | 0 | 0 | 15 |
| 7527 | CUSTODIAL | 779 | CATTLE | 501-1115 | 57 | 0 | 0 | 502 | 248 | 29 |
| 7528 | CUSTODIAL | 150 | CATTLE | 401-1031 | 20 | 0 | 0 | 144 | 0 | 6 |
| 7529 | MAINTAIN | 1,062 | CATTLE | 301- 228 | 96 | 0 | 0 | 1,023 | 0 | 39 |
| 7530 | CUSTODIAL | 32 | CATTLE | 501- 731 | 32 | 3 | 11 | 10 | 8 | 0 |
| 7531 | CUSTODIAL | 261 | CATTLE | 301- 930 | 10 | 0 | 0 | 219 | 32 | 10 |
| 7532 | CUSTODIAL | 425 | CATTLE | 501- 930 | 32 | 0 | 409 | 0 | 0 | 16 |
| 7533 | MAINTAIN | 1,577 | CATTLE | 401- 815 | 120 | 0 | 1,190 | 119 | 210 | 58 |
| 7534 | CUSTODIAL | 655 | CATTLE | 301- 228 | 56 | 0 | 0 | 429 | 202 | 24 |
| 7535 | CUSTODIAL | 434 | CATTLE | 301- 228 | 52 | 0 | 112 | 52 | 254 | 16 |

| ALLOT. NUMBER | SELECTIVE MANAGEMENT CATEGORY | ACRES PUBLIC LAND | LIVESTOCK KIND | GRAZING PERIOD BEGIN-END | CURRENT ACTIVE USE | BLM ACRES BY ECOLOGICAL CONDITION CLASS: CLIMAX | LATE SERAL | MID SERAL | EARLY SERAL | UNCLASS/ OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| 7536 | CUSTODIAL | 342 | CATTLE | 516-1015 | 28 | 0 | 0 | 329 | o | 13 |
| 7537 | CUSTODIAL | 39 | CATTLE | 601-930 | 7 | 0 | 0 | 23 | 15 | 1 |
| 7538 | CUSTODIAL | 181 | CATTLE | 302-915 | 26 | 0 | 0 | 0 | 174 | 7 |
| 7539 | CUSTODIAL | 647 | CATTLE | 501-731 | 80 | 0 | 496 | 0 | 127 | 24 |
| 7540 | CUSTODIAL | 1,635 | CATTLE | 501-930 | 172 | 0 | 1,214 | 418 | 0 | 63 |
| 7541 | MAINTAIN | 1.004 | CATTLE | 301-228 | 165 | 116 | 21 | 214 | 616 | 37 |
| 7542 | MAINTAIN | 279 | CATTLE | 301-439 | 50 | 0 | 30 | 0 | 239 | 10 |
| 7543 | CUSTODIAL | 208 | CATTLE | EC'-1110 | la | 0 | 63 | 67 | 70 | 8 |
| 7544 | CUSTODIAL | 55 | CATTLE | 401-1130 | | 0 | 0 | 0 | 53 | 2 |
| 7545 | IMPROVE | 438 | CATTLE | 301-831 | 5: | 0 | 318 | 104 | 0 | 16 |
| 7546 | CUSTODIAL | 80 | CATTLE | 701-831 | 12 | 0 | 77 | 0 | 0 | 3 |
| 7547 | IMPROVE | 6,489 | CATTLE | 1101-228 | 551 | 193 | 729 | 3,365 | 1,961 | 241 |
| 7548 | CUSTODIAL | 595 | CATTLE | 515-1015 | 41 | 0 | 83 | 490 | 0 | 22 |
| 7549 | CUSTODIAL | 80 | CATTLE | 315-1015 | 6 | 0 | 0 | 0 | 77 | 3 |
| 7550 | CUSTODIAL | 2,235 | CATTLE | 401-225 | 29' | 0 | 1,233 | 291 | 628 | 83 |
| 7551 | MAINTAIN | 883 | CATTLE | 1101-11 | 30 | 87 | 0 | 330 | 427 | 423 |
| 7553 | CUSTODIAL | 547 | CATTLE | 401-831 | 12 | 228 | 256 | 42 | 97 | 24 |
| 7555 | CUSTODIAL | 160 | CATTLE | 301-930 | 21 | 13 | 53 | 48 | 44 | 1 |
| 7556 | CUSTODIAL | 160 | CATTLE | 501-630 | 18 | 0 | 0 | 154 | 0 | 6 |
| 7557 | CUSTODIAL | 120 | CATTLE | 401-1215 | 12 | 0 | 0 | 116 | 0 | 4 |
| 7558 | CUSTODIAL | 1,028 | CATTLE | 315-1115 | 131 | 0 | a79 | 26 | 85 | 38 |
| 7560 | CUSTODIAL | 960 | CATTLE | 415-1130 | 85 | 0 | 411 | 221 | 293 | 35 |
| 7561 | CUSTODIAL | 2.616 | CATTLE | 415-1115 | 193 | 0 | 199 | 1,945 | 375 | 97 |
| 7562 | CUSTODIAL | 40 | CATTLE | 301-930 | 7 | 3 | 14 | 12 | 11 | 0 |
| 7563 | CUSTODIAL | 360 | CATTLE | 416-1130 | 36 | 29 | 122 | 109 | 100 | 0 |
| 7564 | IMPROVE | 3,196 | CATTLE | 301-1205 | 198 | 158 | 1,258 | 816 | 844 | 118 |
| 7565 | CUSTODIAL | 560 | CATTLE | 301-228 | 53 | 0 | 241 | 150 | 148 | 21 |
| 7566 | CUSTODIAL | 40 | CATTLE | 301-930 | 10 | 3 | 14 | 12 | 11 | 0 |
| 7567 | CUSTODIAL | 80 | CATTLE | 415-1014 | 10 | 6 | 27 | 24 | 22 | 1 |
| 7568 | IMPROVE | 2,576 | CATTLE | 401-1110 | 82 | 185 | 1,504 | 481 | 31i | 95 |
| 7569 | CUSTODIAL | 480 | CATTLE | 601-1015 | 42 | 0 | 428 | 34 | 0 | 18 |
| 7570 | CUSTODIAL | 120 | CATTLE | 301-831 | 15 | 10 | 41 | 36 | 33 | 0 |
| 7571 | CUSTODIAL | 170 | CATTLE | 301-1118 | 26 | 14 | 58 | 52 | 46 | 0 |
| 7572 | CUSTODIAL | 41 | CATTLE | 401-1130 | 7 | 3 | 14 | '2 | 11 | 1 |
| 7573 | CUSTODIAL | 80 | CATTLE | 401-731 | 8 | 6 | 27 | 24 | 22 | 1 |
| 7576 | CUSTODIAL | 65 | CATTLE | 401-930 | 119 | 5 | 22 | 20 | 18 | 0 |
| 7577 | MAINTAIN | 1,533 | CATTLE | 301-223 | 116 | 0 | 756 | 444 | 278 | 56 |
| 7578 | CUSTODIAL | 1.804 | CATTLE | 301-228 | 291 | 78 | 474 | 1,092 | 34 | 66 |
| 7579 | MAINTAIN | 2.978 | CATTLE | 915-228 | 242 | 0 | 1,240 | 1,243 | 385 | 110 |
| 7580 | CUSTODIAL | 162 | CATTLE | 414-l 130 | 10 | 0 | 0 | 0 | 156 | 6 |
| 7581 | CUSTODIAL | 42 | CATTLE | 501-1001 | 43 | 3 | 14 | 13 | 12 | 0 |
| 7582 | CUSTODIAL | 89 | CATTLE | 401-630 | 7 | 7 | 30 | 27 | 25 | 0 |
| 7583 | MAINTAIN | 1,245 | CATTLE | 301-228 | 92 | 13 | 179 | 891 | 116 | 46 |
| 7584 | CUSTODIAL | 105 | CATTLE | 301-22a | 11 | 8 | 36 | 32 | 29 | 0 |
| 7585 | CUSTODIAL | 300 | CATTLE | 401-530 | 51 | 0 | 27 | 213 | 49 | 11 |
| 7587 | CUSTODIAL | 160 | CATTLE | 301-630 | a | 13 | 54 | 48 | 44 | 1 |
| 7588 | CUSTODIAL | 314 | CATTLE | 401-924 | 35 | 0 | 228 | 74 | 0 | 12 |
| 7590 | CUSTODIAL | 40 | CATTLE | 315-601 | 8 | 3 | 14 | 12 | 11 | 0 |
| 7591 | CUSTODIAL | 720 | CATTLE | 401-707 | 34 | 218 | 0 | 414 | 62 | 26 |
| 7592 | MAINTAIN | 1,167 | SHEEP | 601-930 | 95 | 94 | 395 | 354 | 324 | 0 |
| 7594 | CUSTODIAL | 799 | CATTLE | 301-228 | 58 | 64 | 271 | 242 | 222 | 0 |
| 7596 | CUSTODIAL | 718 | CATTLE | 315-i030 | 28 | 0 | 70 | 221 | 400 | 27 |
| TOTALS | | 292,736 | | | 17,770 | 22,774 | 195,978 | 85,814 | 78,659 | 9,511 |

# Appendix E
# Rangeland Monitoring and Evaluation

The effects of implementation will be monitored and evaluated on a periodic basis over the life of the plan, The general purposes of this monitoring and evaluation will be:

(1) To determine if an action is fulfilling the purpose and need for which it was designed, or if there is a need for modification or termination of an action.

(2) To discover unanticipated and/or unpredictable effects.

(3) To determine if mitigation measures are working as prescribed,

(4) To ensure that decisions are being implemented as scheduled.

(5) To provide continuing evaluation of consistency with state and local plans and programs.

(6) To provide for continuing comparison of plan benefits versus costs, including social. economic, and environmental.

A rangeland monitoring guidance document has been adopted by Oregon ELM. This document provides a framework for choosing the timing and study methods to collect the information needed to issue and implement specific management decisions which affect range! watershed. wildlife, and sensitive species. More specific objectives will be developed in the AMPs. These objectives are site specific and relevant to specific management applications, Monitoring efforts will focus on allotments in the Improve category as funding levels allow.

For the range program. methodologies are available for monitoring vegetative trend. forage utilization, actual use (livestock numbers and periods of grazing). and climate. The data collected from these studies will be used to evaluate current stocking rates, to schedule pasture moves by livestock, to determine levels of forage competition, to detect changes in plant communities. and to identify patterns for forage use. The methodology and intensity of study that is chosen for a particular allotment will be determined by the nature and severity of the resource conflicts that are present in that allotment.

For the wildlife program. monitoring will be directed at the biotic resource components using both temporary and permanent studies. The findings from these studies can be used to monitor responses in habitat condition and trend: monitor forage availability, composition: and vigor; monitor changes in cover and habitat effectiveness: and monitor habitat management objectives.

For the watershed program, studies will concentrate 5n monitoring water quality and quantity to determine what effects. if any, management may have on these important parameters.

For sensitive species, monitoring will concentrate on determining the effects of management actions on populations. and also to determine existing conditions for future reference. Monitoring will concentrate on species which are candidates for Federai listing,

The data collected from the monitoring and evaluation process will be analyzed and fed back into the decision making process. This will provide information regarding the effects of the land use decisions, the adequacy of mitigation methods, etc. If monitoring indicates that significant unexpected adverse impacts are occurring or that mitigating measures are not working as predicted, it may be necessary to amend or revise the AMPs. Conversely, if implementation and mitigating efforts are highiy successful. monitoring and evaluation efforts may be reduced. In this case, an allotment could be reclassified from an Improve to a Maintain Selective Management category.

# Appendix F
# Description of Riparian Site Potential

The site potential of a riparian system is based on the capability of the area to support various vegetative communities. The factors used include flows (intermittent, perennial, seasonal variations) soils (rocky, alluvial, loamy, etc.) stream gradient, aspect, sediment load. wetted area. bank stability, and the present veqetative community. Vegetative improvement is the difference between the riparian ecological potential and the present plant community. When potential was estimated for the streams in the Prineville District comparison areas that have received protection for periods of up to 20 years were used, Camp Creek, near Paulina (see photos 1 and 2) has had total livestock exclusion for nearly 20 years, however, it is estimated to only be at 40% of potential. Other areas may respond more quickly, however, many do not. The ability to produce willows is not the only factor in estimating potential and setting a realistic goal for improvement, A description of different vegetative potential is shown in photos 3 and 4.

**Photo 1 Camp Creek Exclosure (Crooked River Drainage) 1966**

**Present Condition:**
Stream gradient-less than 5%
Sediment load-high
Soils-principally Legler silt loams-very deep fine textured, gravel layers present
Stream flow-intermittent
Elevation-greater than 4,000 ft.
Wetted area-less than 10 ft. wide
Estimated at 5% of site potential.

**The full potential of the area is:**
Dominant tree-Peachleaf willow, lemon willow
Understory tree-coyote willow! McKenzie willow, whiplash willow
Herbaceous-Nebraska sedge, Baltic rush, 3 square bullrush, red top, Kentucky bluegrass
Wetted Area-More than 100 ft. wide

**Photo 2-Camp Creek Exclosure (Crooked River Drainage) 1985, 19** years **of livestock exclusion (same as is shown in photo 1)**

Currently estimated at 40% of site potential

**Present vegetation:**
Herbaceous-Nebraska sedge, Baltic rush, 3 square bullrush. cattail. Kentucky bluegrass, occasional red top
Tree-Seedling coyote willow and McKenzie willow in scattered patches
Wetted area—80% of potential

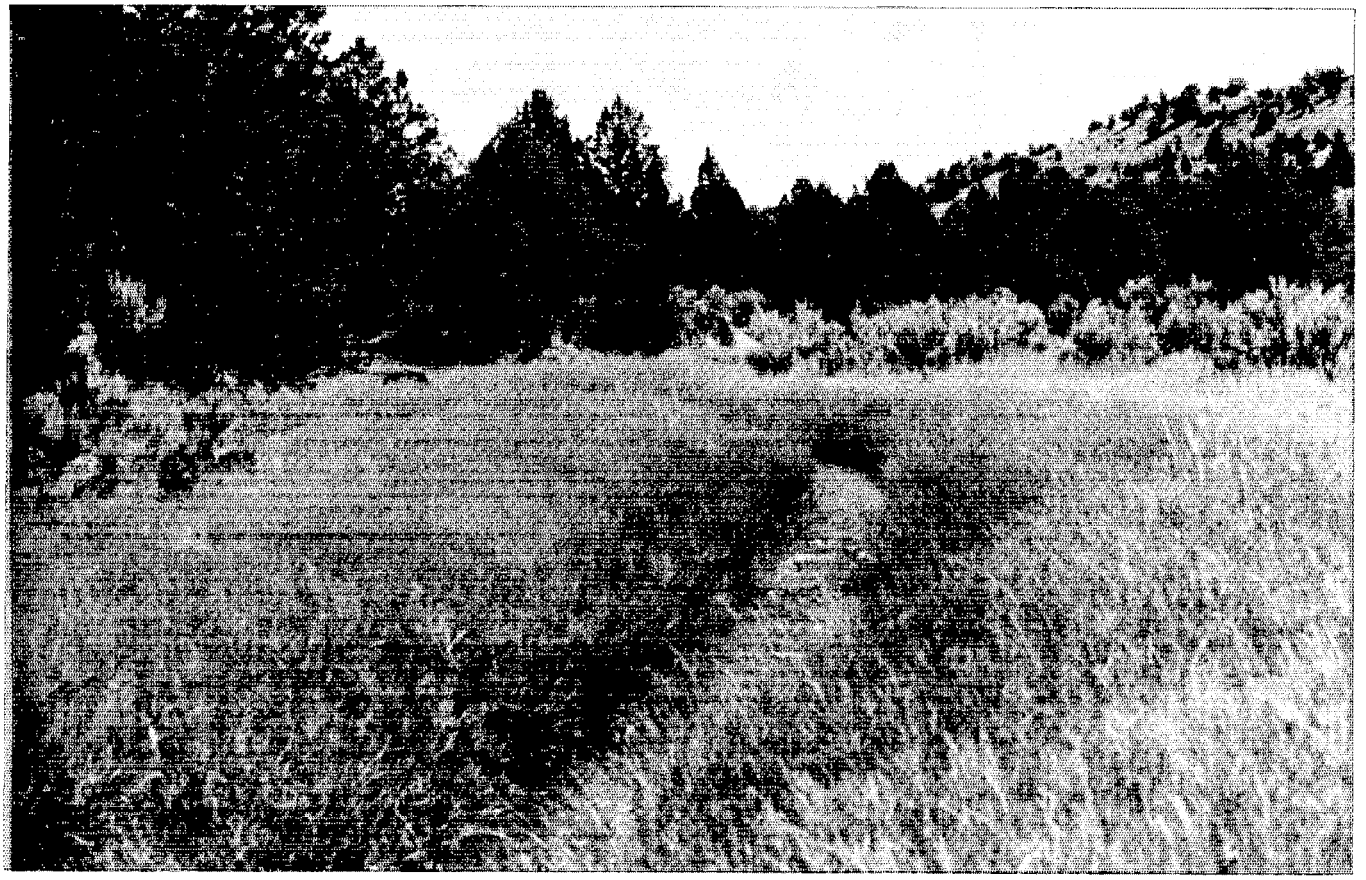


**Photo 3-Bear Creek-Crooked River drainage 1978. 3 years of non use by livestock.**

**Present condition:**
Stream gradient-less than 5%
Sediment load-low to medium
Soils-principally willowdale loam, very deep. well drained, stratified alluvium, medium textured. gravel layers common.
Elevation-3500 ft.
Estimated at 35% of site potential.
Present vegetation-mixed grass, sedge, rush with timothy, orchard grass and Kentucky bluegrass.

**The full potential of this area is:**
Dominant tree-Patches of water birch/alder
Understory-Coyote willow, silverleaf willow, yellow willow, McKenzie willow.
Herbaceous-Mixed grass, sedge, rush

**Photo 4-Birch Creek (John Day Drainage) 1980**

**Present condition:**
Stream gradient-less than 5%
Sediment load-low to medium
Debris load-medium to high
Spring flow-high
Summer flow-perennial
Soils--moderately deep.
Textures highly stratified sands and loams. Gravel and cobble deposits are 25% to 75% of profile
Elevation-3200 ft.
Estimated at 75% of site potential.

**The full potential of the area is:**
Dominant tree-Black cottonwood: white alder
Understory-McKenzie willow, chokecherry, Bitter cherry. woods rose. dogwood
Herbaceous-Mixed grass/forb/sedge/rush/shrub

# Appendix G
# Standard Operating Procedures for Forest Practices

## Roads

Oregon Manual Supplement, Release 5-115 of April 10, 1975. would be used in preparing road construction requirements for timber sale contracts, Engineering terminology and types of construction equipment are defined in the manual supplement and specifications are provided for all aspects of construction, reconstruction, and surfacing.

Slope protection methods to avoid collapse of cut and fill embankments are described. Specifications for rock pits and quarries include provisions for minimum visual intrusion, drainage and control of runoff, and restoration after the activity ends.

One section of the manual supplement provides design features to control and minimize erosion during road construction and throughout the design life of the road. Another section addresses soil stabilization practices, including planting, seeding, mulching, and fertilizing to establish soil binding vegetation.

Construction standards in areas such as stream crossings, subgrade width, cut and fill slope requirements, and type of surfacing, would be determined in the timber sale planning process. Basic construction operations are described in detail in the programmatic environmental impact statement in BLM prepared on timber management in the western United States 1975), referred to as the BLM Timber Management FEIS. Road closures would occur where significant impacts to wildlife may result from uncontrolled vehicle access.

## Timber Harvest

Cutting areas would be shaped and designed to blend as closely as possible with natural terrain and landscape. minimizing the effect on total forest vistas. Consideration will be given to future harvesting, impacts of road construction and other relevant factors.

Silvicultural practices would be used which best meet management goals, and related land use prescriptions and assure prompt forest regeneration. Available harvest options include clearcutting or a variety of partial cutting techniques.

Clearcutting would not be used as a cutting practice where:

1. Soil slope or other watershed conditions are fragile and subject to unacceptable damage:

2. There is no assurance that the area can be adequately restocked within five years of harvest:

3, Aesthetic values outweigh other considerations.

The selection of trees in partial cuts would be made in a manner to improve the genetic composition of the reforested stand. Cut over areas would be artificially reforested when natural regeneration of commercial species cannot be reasonably expected in five to 15 years.

Logging activities would be timed to minimize adverse impacts to other resource values.

Logging systems which least disturb the soil surface and streamside buffer strips are preferred. Logging across any stream supporting fisheries would be avoided.

Tractor skid trails would be designed and located to avoid cross ridge and cross drainage operations. Tractor skidding would be avoided on slopes greater than 35 percent. Maximum acceptable soil compaction within a sale area would be 12 percent, Waterbars would be installed on skid trails when logging is finished.

Landings would be the minimum size commensurate with safety and equipment requirements and located on stable areas to minimize the risk of material entering adjacent streams and waters. Landings would be on firm ground above the high water level of any stream, Landing locations would be avoided on unstable areas, on steep side hill areas or areas which require excessive excavation.

Buffer strips along perennial streams. springs, and wet meadows would be provided. Intermittent streams producing enough flow for trout or anadromous fish spawning areas or which carry heavy silt loads to perennial streams, would receive the same considerations as a perennial stream.

Debris entering a stream would be removed while logging to avoid disturbing natural streambed conditions and stream bank vegetation.

Evenly distributed management would be provided for creatures that live in tree cavities if safety hazards are not created and decisions on the allowable cut plan are not violated,

Slash disposal would be accomplished in a manner conducive to reforestation and advantageous to wildlife. Slash would be burned when necessary; in conformance with state fire protection and air pollution regulations,

## Contracts

Contracts, usually awarded on a competitive basis, is the way all timber harvest and many forest development practices are accomplished. Standard and special provisions (which include mitigating measures) in a contract describe performance standards for the contractor in carrying out the action in accordance with applicable laws, regulations and policies. The selection of special provisions is governed by the scope of the action to be undertaken and the physical characteristics of the specific site. The standard provisions of the basic timber sale contract, Bureau Form 5450-3, are applicable for all timber sales. Limitations on timber harvesting and related activities, as identified in the Church Report (U.S. Congress, Senate 1973) and analyzed in the BLM Timber Management Final EIS 1975, have been adopted by the BLM. Bureau manuals and manual supplements provide a variety of approved special provisions for use, as appropriate, in individual contracts. The combination of selected special provisions constitutes Section 42 of the timber sale contract (Form 5450-3).

# Appendix H
# Potential Land Disposal Tracts in Zone 3

**Two Rivers Zone 3 Acreages**

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| 1 N. | 18 E. | 24 | ENE,SWNE | 120.00 |
| | | 25 | NWNE | 40.00 |
| | | 26 | SENW,NESW | 80.00 |
| | 19 E. | 19 | L2 | 57.37 |
| | 22 E. | 20 | SNESE | 240.00 |
| | | 28 | NNE | 80.00 |
| | | 34 | SWNW | 40.00 |
| 1 S. | 20 E. | 21 | E | 320.00 |
| | | 32 | SENE,ESE | 120.00 |
| | 21 E. | 13 | SESW | 40.00 |
| 10 S. | 17 E. | 12 | SWNE | 40.00 |
| | | 2 | SWSE | 40.00 |
| | 18 E. | 1 | NESW | 40.00 |
| | | 10 | NENE,NWSE | 80.00 |
| | | 14 | NWNE,NNW | 120.00 |
| | | 18 | L1,3,4,SESW | 153.33 |
| | | 27 | swsw | 40.00 |
| | | 33 | NENW | 40.00 |
| | | 6 | L5 | 37.20 |
| | 19 E. | 11 | WSW,SESW | 120.00 |
| | | 21 | NWNE,NENW | 80.00 |
| | | 4 | ESE.L2-4.SNW | 282.58 |
| | 20 E. | 17 | swsw | 40.00 |
| | | 18 | SWNE,ENW | 120.00 |
| | | 7 | L4 | 39.93 |
| | 21 E. | 25 | SWSE | 40.00 |
| | 22 E. | 1 | L2,3 | 80.80 |
| | | 3 | SWNE,SWNW | 80.00 |
| | | 30 | SWNW,NSW | 121.00 |
| | | 41 | swsw | 40.00 |
| | | 9 | NWNW | 40.00 |
| | 23 E. | 1 | L2 | 40.37 |
| | | 25 | SESW | 40.00 |
| | | 28 | SESW,WSE | 120.00 |
| | | 30 | L3,4 | 81.36 |
| | | 32 | NESE | 40.00 |
| | | 33 | NNE,SWNE,NNW, SENW,NS | 400.00 |
| | | 4 | L4 | 39.42 |
| | 24 E. | 10 | SWNE,NWSE | 80.00 |
| | | 11 | NENE | 40.00 |
| | | 12 | SWNW | 40.00 |
| | | 15 | NSW | 80.00 |
| | | 17 | wsw | 80.00 |
| | | 19 | SWNE | 40.00 |
| | | 2 | L2-4,SENW | 163.91 |
| | | 20 | NWNW | 40.00 |
| | | 22 | SSE,NESE 120.00 | |
| | | 23 | swsw | 40.00 |
| | | 27 | SENE | 40.00 |
| 10 S. | 24 E. | 29 | SSW | 80.00 |
| | | 3 | LI | 41.19 |
| | | 31 | ENW,NESW | 120.00 |
| | | 32 | SENW.SWSW | 80.00 |
| | | 4 | L4,SSE | 120.83 |
| | | 5 | LI-3,SWNE | 161.71 |
| | | 6 | SESW | 40.00 |
| | | 7 | ENW | 80.00 |
| | | 8 | SENW,NESW | 80.00 |
| 11 s. | 20 E. | 24 | L14 | 50.90 |
| | | 26 | SENE,NWNW,SESE | 120.00 |
| | | 27 | NENE,SESW | 80.00 |
| | 21 E. | 26 | NENE | 40.00 |
| | 22 E. | 1 | SENE | 40.00 |
| | | 18 | ss | 161.02 |
| | | 28 | SESW,ESE,SWSE | 160.00 |
| | | 30 | NN | i 60.69 |
| | 23 E. | 17 | NWNE,NENW | 80.00 |
| | | 26 | SWSE | 40.00 |
| | | 27 | NSW,NWSE | 120.00 |
| | | 35 | NWNE | 40.00 |
| | | 7 | L4 | 41.76 |
| | 24 E. | 10 | NWNW | 40.00 |
| | | 12 | ssw | 80.00 |
| | | 13 | NENE,NNW | 120.00 |
| | | 14 | SWNE,SENW,SW,NWSE | 280.00 |
| | | 15 | SESE | 40.00 |
| | | 19 | SESE | 40.00 |
| | | 21 | NENW | 40.00 |
| | | 24 | ENE,NESE | 120.00 |
| | | 30 | L2,3,ENW | 154.25 |
| | | 31 | SSE | 80.00 |
| | | 32 | SESW.SSE,NESE | 160.00 |
| | | 33 | ssw | 80.00 |
| | | 35 | NWSE | 40.00 |
| | | 6 | L5 | 38.30 |
| | | 9 | SESW | 40.00 |
| 12 S. | 20 E. | 1 | L6 | 50.90 |
| | 21 E. | 10 | SWNE | 40.00 |
| | | 17 | SWSE | 40.00 |
| | | 20 | NWNE,NENW | 80.00 |
| | | 3 | SESE | 40.00 |
| | 22 E. | 10 | ESE | 80.00 |
| | | 14 | NNW | 80.00 |
| | | 2 | swsw | 40.00 |
| | 23 E. | 1 | L1 | 39.95 |
| | 24 E. | 10 | WNE,SNW | 160.00 |
| | | 2 | NESE | 40.00 |
| | | 4 | L2-4 | 124.35 |
| | | 5 | L2-4 | 123.34 |
| 2 N. | 16 E. | 10 | L2 | 20.00 |
| | | 9 | L1,2 | 88.70 |
| | 20 E. | 24 | NE | 160.00 |
| 2 S. | 19 E. | 11 | SWNE,NWSE | 80.00 |
| | | 25 | NWNE | 40.00 |
| | | 34 | SENE,NESE | 80.00 |
| | | 8 | SWNE,NESW | 80.00 |
| | 20 E. | 25 | SESE | 40.00 |
| | 21 E. | 29 | L8 | 38.94 |

## Two Rivers Zone 3 Acreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | | 30 | L7-10 | '56.05 |
| | | 31 | L12.13.9.16 | 158.06 |
| | | 32 | L10,9 | 79.44 |
| | | 33 | SSW | 80.00 |
| | | 35 | SWSW | 40.00 |
| | | 6 | NSE,SWSE | 120.00 |
| 3 N. | 20 E. | 32 | L2-4,S2,NE | 145.00 |
| 3 S. | 18 E. | 31 | L3,4,SESE | 111.92 |
| | 19 E. | 1 | NWSW | 40.00 |
| | | 10 | SESE | 40.00 |
| | | 11 | SESW | 40.03 |
| | | 2: | SSW | SO.00 |
| | | 28 | NNW | 80.00 |
| | | 23 | SESE | 40.00 |
| | 20 E. | 11 | NENE | 40.00 |
| | | 2 | L3,SWSE | 79.66 |
| | 21 E. | 13 | NENE,NESE | 80.00 |
| | | 6 | SESW,WSE | 120.00 |
| | | 7 | NWNE | 40.00 |
| | | 9 | WW | 160.00 |
| | 22 E. | 19 | NWNE | 40.00 |
| | | 30 | SWSE | 40.00 |
| 4 S. | 17 E. | 1 | SENW | 40.00 |
| | 18 E. | 18 | L1,2,NENW | 112.56 |
| | | 27 | SESW | 40.00 |
| | | 34 | ENE,NSW,SSE,NESE | 280.00 |
| | | 35 | SWSW | 40.00 |
| | | 5 | SWNE.NSW | 120.00 |
| | | 6 | L1,SENE,NESE | li9.77 |
| | 19 E. | 13 | SSE | 80.00 |
| | | 18 | NENW | 40 00 |
| | | 24 | NWNE | 40.00 |
| | 20 E. | 15 | SESE | 40.00 |
| | | 22 | ENW,NESE | 120.00 |
| | | 35 | NWNW | 40.00 |
| | 22 E. | 3 | NESE | 40.00 |
| | | 32 | SWSW | 40.00 |
| | 23 E. | 15 | SW | 160.00 |
| | | 20 | NWSW | 40.00 |
| | | 22 | NWNW,SWNE | 30.00 |
| | | 28 | NWSW | 40.00 |
| | | 31 | L3.NESW,SENE | 120.02 |
| | | 33 | SENW | 40.00 |
| 5 S. | 18 E. | 20 | SWSW | 40.00 |
| | | 9 | SWSE | 40.00 |
| | 19 E. | '5 | SWSE | 40.00 |
| | | 24 | NWNW | 40.00 |
| | 20 E. | 10 | NN | 160.00 |
| | | 19 | L3 | 40.41 |
| 5 3. | 20 E. | 3 | SWSW | 40.00 |
| | 21 E. | 6 | L3.SENW | 80.00 |
| | 22 E. | 11 | SENE | 40.00 |
| | | 12 | NWSW | 40.00 |
| | | 33 | SENE | 40.00 |
| | | 4 | NESW | 40.00 |
| | 23 E. | 10 | ESW | 80.00 |
| | | 11 | NENE,SENW,SESW.WSE | 200.00 |
| | | 12 | WW | 160.00 |
| | | 13 | NWSW | 30.00 |

## Two River Zone 3 Acreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | | 14 | SWSE | 40.00 |
| | | 15 | ENE,SWNW.SESW.SWSE | 200.00 |
| | | 31 | SWNE | 40.00 |
| | | 35 | NENW | 40.00 |
| | 24 E. | 1 | SWSE | 40.00 |
| | | 10 | SWNW,NESW | 80.00 |
| | | 3 | SENE | 40.00 |
| 6 S. | 17 E. | 12 | NNE | 80.00 |
| | 18 E. | 27 | SWNE,SENW,NSW | 160.00 |
| | | 32 | NSW,SESW | 120.00 |
| | | 6 | L3.ESW | 120.56 |
| | 19 E. | 3 | NESW,SSE | 120.00 |
| | 23 E. | 12 | NENW | 40.00 |
| | | 23 | NESW | 40.00 |
| | 24 E. | 1 | L2 | 27.25 |
| | | 10 | NESW | 40.00 |
| 7 S. | 17 E. | 14 | NN | 160.00 |
| | | 2 | L3,SENW | 80.04 |
| | | 24 | EE | 160.00 |
| | 18 E. | 32 | NSW,SWSW,NESE | 160.00 |
| | 19 E. | 10 | SESW.WSE | 120.00 |
| | | 13 | SNE | 80.00 |
| | | 14 | SWSW | 40.00 |
| | | 15 | WE,NENW,ESE | 280.00 |
| | | 22 | NNE,SS | 240.00 |
| | | 23 | NWSE | 40.00 |
| | | 24 | SESE | 40.00 |
| | | 25 | ENE,SWSW,NESE | 160.00 |
| | 20 E. | 19 | L2,SWNE,SESW | 126.89 |
| | | 20 | SESW,SSE | 120.00 |
| | | 21 | SSW | 80.00 |
| | | 28 | SWNW | 40.00 |
| | | 29 | NWNW | 40.00 |
| | | 32 | SWNE.NSE.SWSE | 160.00 |
| | | 33 | SSE | 80.00 |
| | 21 E. | 19 | SESW | 40.00 |
| | 22 E. | 12 | NWNE,L3 | 74.10 |
| | | '4 | NWSE | 40.00 |
| | | 20 | SWNE | 40.00 |
| | | 23 | NWSW | 40.00 |
| | | 25 | NENE.SNW | 40.00 |
| | | 26 | SNE,SESE | 120.00 |
| | | 34 | NESW | 120.00 |
| 8 S. | '8 E. | 11 | SESW | 40.00 |
| | 20 E. | 11 | SENE | 40.00 |
| | | 12 | L2.3 | 111.28 |
| | | a | WSE | 80.00 |
| | | 9 | L3 | 33.92 |
| | 21 E. | 14 | L5 | 38.41 |
| | | 20 | NWSE | 40.00 |
| | | | L1 | 28.22 |
| | 22 E. | 1 | L1.3.5 | 111.48 |
| | | 10 | L4 | 36.58 |
| | | 1' | SESW | 40.00 |
| | | 26 | L1,2,WSE.SESE | 190.28 |
| | | 34 | NESE | 40.00 |
| | | 35 | NNE | 80.00 |
| | | | SENW | 40.00 |
| | | 6 | SESW | 40.00 |

## Two Rivers Zone 3 Acreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | | 7 | L6,NENW | 81.19 |
| | 23 E. | 23 | NWNE | 40.00 |
| | | 26 | SESW | 40.00 |
| | | 3 | L2,SENW | 78.79 |
| | | 35 | NWNE,NENW,SESE | 120.00 |
| | | 9 | s s w | 80.00 |
| | 24 E. | 10 | N WSW | 80.00 |
| | | 17 | s w s w | 40.00 |
| | | 21 | NWSE,SESE | 80.00 |
| | | 23 | ESW,WSE,NESE | 200.00 |
| | | 25 | SWNE | 40.00 |
| | | 27 | NWNW | 40.00 |
| | | 28 | NENE | 40.00 |
| | | 29 | SESW | 40.00 |
| | | 30 | NESW | 40.00 |
| | | 5 | SESW | 40.00 |
| | | 8 | ENW,SWNW | 120.00 |
| | 25 E. | 19 | L4 | 39.49 |
| | | 2 | SESW | 40.00 |
| | | 20 | SE | 160.00 |
| | | 22 | SWSE | 40.00 |
| | | 27 | SWNW,WSW | 120.00 |
| | | 28 | SENE,SE | 200.00 |
| | | 29 | NNE,SWNE,NENW | 160.00 |
| | | 3 | SWNE,NESW,NSE | 160.00 |
| | | 30 | L1 | 39.56 |
| | | 33 | NWNE | 40.00 |
| | | 35 | SWNE,SENW | 80.00 |
| | | 7 | NESW | 40.00 |
| 9 S. | 17 E. | 13 | NWSW | 40.00 |
| | | 14 | SESE | 40.00 |
| | 18 E. | 20 | SENE,NESE | 80.00 |
| | | 21 | ENW,SWNW,NWSW | 160.00 |
| | | 8 | SESE | 40.00 |
| | | 9 | SSE | 80.00 |
| | 19 E. | 26 | ESE | 80.00 |
| | | 34 | SESW,SE | 200.00 |
| | 21 E. | 12 | SENW,SESW,WSE,NESE | 200.00 |
| | | 13 | NW.NSW | 240.00 |
| 9 S. | 21 E. | 14 | SENE | 40.00 |
| | | 18 | L2,SENW | 77.09 |
| | | 19 | SENE,SWSE | 80.00 |
| | | 22 | ENE,SWNE,NESE | 160.00 |
| | 2 2 E . | 7 | LI-3,NENW | 185.23 |
| | 23 E. | 13 | SENE,ESE | 120.00 |
| | | 24 | NENE | 40.00 |
| | | 25 | NESE | 40.00 |
| | | 31 | L4.SESW | 95.17 |
| | | 32 | SESE | 40.00 |
| | | 33 | NWNE,ENW.SWNW.WSW | 240.00 |
| | 24 E. | 12 | SWSE | 40.00 |
| | | 14 | NESE | 40.00 |
| | | 17 | NWNE | 40.00 |
| | | 18 | L3 | 38.95 |
| | | 22 | NWNE | 40.00 |
| | | 23 | SNE.NESW | 120.00 |
| | | 24 | NWSW | 40.00 |
| | | 25 | SW ESE | 240.00 |
| | | 26 | N WSW | 40.00 |

## Two River Zone 3 Agreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | | 27 | SESW | 40.00 |
| | | 28 | NESW | 40.00 |
| | | 29 | NSW | 80.00 |
| | | 30 | L3,NESW | 79.01 |
| | | 33 | WNE,SENW | 120.00 |
| | | 34 | NENW,SESE | 80.00 |
| | | 35 | SENE.SSW.SE | 280.00 |
| | | 8 | SESE | 40.00 |
| | 25 E. | 12 | SENE | 40.00 |
| | | 19 | L1.2.4,NENW | 183.34 |
| | | 21 | NSE | 80.00 |
| | | 30 | L4,SESW | 87.85 |
| 1 N. | 11 E. | 18 | NENE | 40.00 |
| | 12 E. | 11 | SESE | 40.00 |
| | | 35 | NESE | 40.00 |
| 1 S. | 10 E. | 21 | NESW,ESE | 120.00 |
| | | 9 | ESE | 80.00 |
| | 11 E. | 13 | SESE | 40.00 |
| | 12 E. | 1 | NWSE | 40.00 |
| | | 17 | NWNE | 40.00 |
| | | 19 | L2 | 37.73 |
| | | 31 | SNE,NESW,NSE | 200.00 |
| | | 32 | SWNW,NWSW | 80.00 |
| | 13 E. | 6 | L2,3 | 77.38 |
| | | 7 | SESE | 40.00 |
| 10 s | 13 E. | 1 | L1 | 40.05 |
| | 15 E. | 11 | WNE.NENW | 120.00 |
| | | 17 | N WSW | 40.00 |
| | | 2 | L2-4.SESW | 158.31 |
| | | 22 | SWNW.NWSW | 80.00 |
| | | 30 | NENE | 40.00 |
| | | 33 | SWNE | 40.00 |
| 10 S | 16 E. | 7 | | 4067 |
| 11 S. | 13 E. | 6 | & S E | 40.00 |
| | 14 E. | 25 | SW NW | 40.00 |
| | | 32 | NESW | 40.00 |
| | 15 E. | 10 | NWNE | 40.00 |
| | | 3 | s s w | 80.00 |
| | | 31 | NWSE | 40.00 |
| | | 4 | SESE | 40.00 |
| | | 5 | L1 | 34.00 |
| 12 S. | 15 E. | 18 | NWNE | 40.00 |
| | | 19 | SESW | 40.00 |
| | | 28 | SWN W | 40.00 |
| | | 29 | NESE | 40.00 |
| 2 N. | 10 E. | 32 | NSW | 80.00 |
| | 11 E. | a | s w s w | 40.00 |
| | 12 E. | 32 | NESENE | 10.00 |
| | | 33 | NWNE | 40.00 |
| | 15 E. | 16 | SSW.SSWSE | 60.00 |
| | | 7 | L1 | 0.22 |
| | 16 E. | 18 | L5 | 50.52 |
| 2 S. | 12 E. | 20 | NENW | 40.00 |
| 3 S. | 13 E. | 14 | NESE | 30.00 |
| | | 24 | NESE | 40.00 |
| | | 7 | L3 | 38.81 |
| 4 s. | 13 E. | 10 | N WSW | 40.00 |
| | | 18 | NEN'W | 40.00 |
| 5 s. | 11 E. | 35 | L4 | 36.03 |

## Two Rivers Zone 3 Acreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | 13 E | 33 | L3,4 | 60.27 |
| | 14 E. | 10 | SESE | 40.00 |
| | | 1-I | NESE | 40.00 |
| | | 35 | NWSW | 40.00 |
| | 16 E. | 10 | N ESW | 40.00 |
| | | 22 | SWNE | 40.00 |
| | | 23 | SENE | 40.00 |
| | | 25 | SWSE | 40.00 |
| | | 34 | NESW.SWSE | 80.00 |
| 6 S. | 13 E. | 10 | sSW | 80.00 |
| | | 15 | L1-4,SW,NSE,SWSE | 429.61 |
| | | 16 | | 180.00 |
| | | | L1,2 NWSW | 120.00 |
| | | 5 | SENW | 40.00 |
| | | 6 | S2 Lot 6 | 12.00 |
| | | 8 | N.NWSE | 360.00 |
| | | 9 | EE | 160.00 |
| | 16 E | 1 | NESW,NWSE | 80.00 |
| | | 10 | NESW | 40.00 |
| | | 11 | NENW | 40.00 |
| | | 12 | NNE.NESE | 120.00 |
| | | 13 | NENW.SNW | 120.00 |
| | | 17 | NWNE | 40.00 |
| | | 2 | SWNE.SESE | 80.00 |
| 6 S. | 16 E. | 20 | SESE | 40.00 |
| | | 23 | WNW | 80.00 |
| | | 27 | NNW | 80.00 |
| | | 28 | NENE | 40.00 |
| | | 29 | NENE | 30.00 |
| | | 3 | L2.3.SENE | 134.3' |
| | | 31 | L1,2,SWSE | 120.43 |
| | | 33 | SENE,SWSW | 80.00 |
| | | 4 | NESE | 40.00 |
| | 17 E. | 10 | SWSW | 40.00 |
| | | 6 | L3,5,6 | 112.28 |
| 7 S. | '5 E. | 12 | NWSW | 40.00 |
| | | 25 | NESE | 40.00 |
| | | 31 | L1 | 32.23 |
| | | 32 | NWSE | 40.00 |
| | 16 E. | 15 | NNE.NENW | 120.00 |
| | | 20 | SWNE | 40.00 |
| | | 21 | NWNE.NENW | 80.00 |
| | | 25 | SENW | 40.00 |
| | | 29 | NWSE | 40.00 |
| | | 31 | SENE | 40.00 |
| | | 5 | L1,SWNE.SENW | 119.28 |
| | 17 E. | 20 | NWNW.NWSW | 80.00 |
| | | 34 | SENE | 40.00 |
| | | 8 | SESW.SE | 200.00 |
| 8 S. | 15 E. | 1 | L1,2,SENE,NESE | 160.30 |
| | | 11 | SWNW | 40.00 |
| | | 15 | NWSE | 40.00 |
| | | 2 | SESW | 40.00 |
| | | | L3,4 | 78.90 |
| | '6 E. | 1 | SWNW | 40.00 |
| | | 14 | NWSW | 40.00 |

## Two River Zone 3 Acreages

| Township | Range | Section | Subdivisions | Acreage |
|---|---|---|---|---|
| | | 19 | SENW | 40.00 |
| | | 8 | NESE | 40.00 |
| | | 9 | NWSW | 40.00 |
| | 17 E. | 17 | NWSE | 40.00 |
| | | 32 | NENW | 40.00 |
| | | 33 | NWNW | 40.00 |
| 9 S. | 13 E. | 25 | SSE | 80.00 |
| | 14 E. | 15 | ESE | 80.00 |
| | | 22 | NWNE,SENE,ESW,ESE, SWSE | 280.00 |
| | | 23 | SWSW | 40.00 |
| | | 26 | NWNE | 40.00 |
| | | 27 | SENE | 40.00 |
| | | 30 | L2,SENW | 82.42 |
| | 15 E. | 1 | SESE | 40.00 |
| | | 14 | SWSE | 40.00 |
| | | 15 | NENE | 40.00 |
| | | 2 | SWSW | 40.00 |
| | | 30 | NWSE | 40.00 |
| | 16 E. | 16 | NESW | 40.00 |
| | | 6 | L7.SESW | 81.88 |

# Appendix I
# Criteria for Land Ownership Adjustment

The Federal Land Policy and Management Act of 1976 includes specific criteria for use in categorizing public land for retention or disposal, and for identifying acquisition priorities. This list is not considered all inclusive. but represents the major factors to be evaluated. They include:

- Threatened or Endangered or sensitive plant and animal species habitat;
- riparian areas;
- fish habitat;
- nesting/breeding habitat for game animals;
- key big game seasonal habitat;
- developed recreation sites and recreation access;
- Class A scenery;
- municipal watersheds;
- energy and mineral potential;
- significant cultural resources and sites eligible for inclusion on the National Register of Historic Places:
- wilderness and areas being studied for wilderness:
- accessibility of the land for public uses;
- amount of public investments in facilities or improvements and the potential for recovering those investments;
- difficulty or cost of administration (manageability);
- suitability of the land for management by another federal agency;
- significance of the decision in stabilizing business, social and economic conditions, and/or lifestyles;
- whether private sites exist for the proposed use:
- encumbrances, including but not limited to withdrawals, or existing leases or permits;
- consistency with cooperative agreements and plans or policies of other agencies; and
- suitability (need for change in land ownership or use) for purposes including but not limited to community expansion or economic development, such as industrial, residential, or agricultural (other than grazing) development

The land ownership adjustment criteria identified above will be considered in land reports and environmental analyses prepared for specific adjustment proposals

Transfers to other public agencies will be considered where improved management efficiency would result. Minor adjustments involving sales or exchanges or both may be permitted based on site specific application of the land ownership adjustment criteria.

Land to be acquired by the BLM through exchanges generally, must:

- facilitate access to public land and resource, or
- maintain or enhance important public values and uses, or
- maintain or enhance local social and economic values in public ownership, or
- facilitate implementation of other aspects of the Two Rivers RMP.

Public land to be sold must meet the following disposal criteria derived from the Federal Land Policy and Management Act:

- such land must be difficult and uneconomic to manage as part of the public lands, and must not be suitable for management by another federal department or agency; or
- such land must have been acquired for a specific purpose and must no longer be required for that or any other federal purpose; or
- disposal of such land will serve important public objectives than can only be achieved prudently or feasibly if the land is removed from public ownership, and if these objectives outweight other public objectives and values that would be served by maintaining such land in federal ownership.

Generally, exchanges are the preferred method of disposal but sales will be utilized when:

- it is required by national policy; or
- it is required to achieve disposal objectives on a timely basis, and where disposal through exchange would cause unacceptable delays;
- the level of interest in a specific tract indicates that competitive bidding is desirable for reasons of fairness; or
- disposal through exchange is not feasible.

The preferred method of selling public land will be by competitive bidding at public auction to qualifying purchasers. However, modified competitive bidding procedures may be used when there is not legal public access to a tract, when necessary to avoid jeopardizing an existing use on adjacent land, or to avoid dislocation of existing public land users.

Public land may be sold by direct sale at fair market value when:

- such land is needed by state or local governments; or
- direct sale is needed to protect equities arising from authorized use; or
- direct sale is needed to protect equities resulting from inadvertent, unauthorized use that was caused by surveying errors or title defects; or
- there is only one adjacent landowner and no legal public access.



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