

# Appendix I-3: Wild and Scenic River Draft Suitability Study for North Fork John Day River

## Introduction

The process used by BLM to identify and evaluate river segments for inclusion into the National Wild and Scenic Rivers system is guided by the provisions of the Wild and Scenic Rivers Act and BLM planning guidance.

Section 5(d)(1) of the Act directs federal agencies to consider potential wild and scenic rivers in the land and water planning processes. To fulfill this requirement, the BLM inventories and evaluates rivers when it develops comprehensive resource management plans for public lands in a specified area.

An eligibility inventory was conducted during the data gathering stage of John Day Basin Resource Management Plan. Sixteen segments of the North Fork John Day River that flow through public lands were reviewed, totaling 25.55 miles. The shortest segment is 0.13 mile and the longest segment is 7.79 miles. All 16 segments are located within a section of the river that is 36.24 miles long, beginning along County Road 31, roughly 3 miles northeast from Monument in Section 23, T. 7 S., R. 28 E., in Grant County, and ending at the confluence of Camas Creek in Section 26, T. 6 S., R. 31 E., in Umatilla County. The 16 review segments through public lands make up 70.5 percent of this section of river.

In the fall of 2006, BLM released the Analysis of the Management Situation (AMS) and Preliminary Public Involvement document. The AMS included the June 11, 2006 Final Report of Potential Wild & Scenic Rivers in the John Day Basin Resource Management Planning Area. This final report identified the North Fork John Day River as eligible for further study in the land use plan.

This suitability report was written during the formulation of the Draft RMP.

## Outstandingly Remarkable Values along the North Fork John Day River:

The Final Eligibility Report identified the following Outstandingly Remarkable Values (ORVs) for the North Fork John Day River in all studied segments:

Scenic values: The North Fork John Day River “flows through some of the finest scenery in Oregon” (BLM 2000, p. 110), which includes a river valley bordered by steep, rugged hillsides with rock outcroppings and a variety of vegetarian types, including stands of ponderosa pines and Douglas fir, grassy meadows, and scattered clumps of riparian vegetation. Views of adjacent mountain peaks are offered along some sections of the river. This mix of landform, vegetation, water, and color add to the visual values along the river.

While such features are not unique among rivers in the Blue Mountains ecoregion of northeastern Oregon, they are notable and of a quality to attract visitors from outside the area. The state of Oregon valued the scenic quality of the North Fork enough to include the entire study section in the State Scenic Waterway System under the Oregon Scenic Waterways Act (ORS 390.826). Only 18 other waterways and one lake in Oregon are afforded this protective status.

A BLM-maintained native surface road runs adjacent to the river from Hwy 395 to Potamus Creek, which occasionally can intrude on the scenic nature of the river, while, at the same time, provides easy access for visitors to view the scenery. The river corridor in this section is narrow and the hills rise over 2,000 feet, with dense strands of mixed conifer on north-facing slopes. The warmer south facing slopes are characterized by well spaced ponderosa pine, a few junipers, and a terraced grassy understory. A few houses and ranches are located along this section of the river.

A primitive road (with no public easement through private sections) located from Potamus Creek downstream to the confluence with Wall Creek, is less conspicuous and the scenery more primitive. Only a few structures and primitive roads are seen along this segment of the river, leaving much of the area in a natural appearing state. Here, the river flows through a wide valley with adjacent mountain peaks rising less than 2,000 feet. The area is mostly rangeland, with steep hillsides dotted with strands of ponderosa pine.

**Recreation Values:** The North Fork John Day offers numerous recreational opportunities, including boating, hunting, fishing, camping, hiking, sightseeing, watchable wildlife, recreational gold panning, nature study, and photography. The boating opportunities are particularly rare or unique in northeastern Oregon as visitors are offered opportunities for solitude and a natural environment with easily negotiated Class I & II rapids and multiple boat launch and take-out areas..

This access provides opportunities for trips that vary, from a few hours to multiple days. While the mainstem John Day, from Service Creek to Clarno, offers similar river rafting experiences (e.g., Class I & II rapids and numerous access points) the North Fork (from Dale to Monument, which encompasses the study section) is considered by some as having better scenery and whitewater (Cassady et al. 1994). The rafting season is generally limited to May and June with weather earlier and flow levels later in the season being limiting factors.

Boater registration data (albeit incomplete) collected between 1998 and 2005 documented that nearly one third of trip leaders traveled from outside of Oregon to float the river, while the majority of those coming from Oregon (all except one) traveled over 100 miles. This data suggest that visitors are willing to travel long distances to visit the river for recreational purposes.

**Fish Values:** All steelhead trout in the John Day River Basin are genetically grouped into the Middle Columbia Evolutionarily Significant Unit (ESU). Steelhead in this ESU were listed as threatened under the Endangered Species Act (ESA) on March 25, 1999 ([64 FR 14517], effective May 24, 1999, with threatened status reaffirmed on January 5, 2006). The John Day basin is included in the ESU.

The North Fork John Day including the 25.55 miles of river that flow through BLM land is an important contributor to the total population of Middle Columbia summer steelhead trout in the Middle Columbia ESU.

In addition, the North Fork John Day population of the Middle Columbia Summer Steelhead Species Management Unit meets all six criteria used to determine near-term sustainability (e.g., existing populations, distribution, abundance, productivity, reproductive independence, and hybridization; ODFW 2005). This includes the study segment as well as approximately 54 miles upstream from the study managed by USDA-Forest Service that are already part of the national WSR system.

The U.S. Forest Service WSR designation is partially due to possessing outstandingly remarkable fisheries values, including steelhead trout. The protection afforded by the upstream WSR designation adds to the integrity of the fisheries in the review segments and helps ensure that the biological needs (i.e., migration corridor) of the species are met.

## **Classification**

At the same time that eligibility recommendations are made, rivers that meet the eligibility criteria are given a tentative classification (either wild, scenic, or recreational), as required by the WSR Act. Tentative classification is based on the type and degree of human development associated with waterway and adjacent lands as they exist at the time of the review. This classification, however, is a planning recommendation and is tentative to Congressional legislative determination.

The tentative classifications are further defined as follows:

- **1 Wild River Area** – Wild river areas are those where the rivers or sections of rivers that are free of impoundments and generally inaccessible except by trail, with watersheds or shorelines essentially primitive and waters unpolluted. These represent vestiges of primitive America. Wild means undeveloped; roads, dams, or diversion works are generally absent from a one-quarter mile corridor on both sides of the river.
- **Scenic River Area** – Scenic river areas are those where the rivers or sections of rivers that are generally free of impoundments, with shorelines or watersheds still largely primitive and shorelines largely undeveloped, but accessible in places by roads. Scenic does not necessarily mean the river corridor has to have scenery as an outstandingly remarkable value; however, it means the waterway or segment may contain more development (except for major dams or diversion works) than a wild segment and less development than a recreational segment. For example, roads may cross the river in places but generally do not run immediately parallel to it. In certain cases, if a parallel road is unpaved and well-screened from the river by vegetation, a hill, etc., it could qualify for scenic river area classification.
- **Recreational River Area** – Recreational river areas are those rivers or sections of rivers that are readily accessible by road or railroad, that may have some development along their shorelines, and that may have undergone some impoundment or diversion in the past. Parallel roads or railroads, or the existence of small dams or diversions can be allowed in this classification. A recreational river area classification does not imply that the river or section of river will be managed or have priority for recreational use or development.

The North Fork WSR Eligibility Report recommended;

1. BLM public lands from the Wrightman County Road to Wall Creek (river segments 2.02-2.10) have a tentative classification as Scenic and should be managed for semi-primitive non-motorized, to semi-primitive motorized settings.
2. BLM public lands West of Highway 395 to the Wrightman County Road, and just upriver from Monument; (river segments 2.01 and 2.11 to 2.16) are recommended a tentative classification as Recreational and should be managed for roaded to rural settings.

Additional information describing the inventory, evaluation process and recommended tentative classification is in the Final Wild & Scenic River Eligibility report on a CD in the back page of the Analysis of the Management Situation for the John Day Basin Resource Management Plan.

The recommendations of this report are included in one or more RMP alternatives, to provide a range of management options to protect the ORVs of this river and also satisfy BLM guidance. The planning team considered the WSR Final Report information in developing different land management alternatives for the two river segments of the North Fork John Day River.

## SUITABILITY

The final step in the river assessment process is the determination of suitability. BLM Manual 8351 (BLM 1992) guidance identifies eight factors to answer when completing this study. Suitability determination results from a combined assessment of river attributes and other land uses associated with a river. Additional factors may be considered if applicable to a river segment.

Congressional legislation is required to actually designate a river as a federal Wild & Scenic River. The suitability evaluation does not automatically result in designation. If the suitability study determines that a river segment(s) is suitable for WSR designation, then BLM will make that recommendation to Congress. However, if the suitability study determines that a river segment(s) is not suitable, BLM would not recommend this river segment as suitable for Congressional WSR designation. This conclusion would be stated in the RMP, releasing it from further W&S review.

The following eight factors, identified in BLM Manual Section 8351, have been reviewed to determine the suitability for Wild and Scenic River status of the North Fork John Day River between Camas Creek and river mile 20.4 north of Monument.

## **1. Characteristics that do or do not make the river a worthy addition to the National System**

The Eligibility Report for the North Fork John Day River determined that this river has scenic quality, recreational opportunities and fisheries values that are Outstandingly Remarkable and make this river segment a worthy addition to the National WSR System. These values are summarized in the Eligibility Study.

## **2. The status of land and mineral ownership, use in the area, and associated or incompatible uses;**

**Rights-of-way:** 1) Oregon Fish and Wildlife Commission Right of Way for public access on road and river area from Camas Creek to private land, just upriver from the Wrightman Canyon County Road. At this time the current landowner does not prevent public access across on the road across private land. There is, however no public right of way across this land and permission to cross may be revoked at any time. 2) Power/Phone line Right of Way(s) to several homes downriver from Camas Creek for power and telephone service.

**Mining Claims and Mineral Leases:** As of June, 2007, there are no known mineral, saleable or oil, gas or geothermal leases or activities on public, private or State Lands that would conflict with potential Wild & Scenic River designation on public lands along the North Fork John Day River, from its junction with Camas Creek at State Highway 395, downriver to Monument. There are several parcels adjacent to or near the river with mineral rights owned by private parties, Due to the relatively low mineral potential of the proposed WSR corridor the probability of mineral development and conflicts with WSR Outstandingly Remarkable values is low.

**Livestock Grazing Status:** Isolated tracts of public lands south of the North Fork John Day River near Monument have been grazed under BLM permit prior to the Oregon Land Exchange Act (OLEA). Range grazing allotments include Slick Ear, Neal Butte, Johnny Cake, Big Bend and North Fork. BLM has temporarily suspended grazing on these public lands until the JDBRMP is completed. Some lands north of Monument adjacent to the river that were owned prior to the exchange are still grazed.

Grazing has historically occurred on recently acquired BLM lands before BLM obtained ownership of these lands. After OLEA was completed, BLM decided to not authorize any grazing until the issue of authorizing grazing on acquired public lands is evaluated and decided in the JDBRMP. Grazing use and its potential effect on ORVs will be evaluated in this land use plan.

**Fire/Fuels:** The North Fork has been subject to wildfires over time. In 2001, the Monument Complex wildfire burned approximately 21,000 acres of public lands in Wall, Little Wall, Squaw, Cabin Creeks, Graves, Mallory, and Potamus Creeks, extending north into the Umatilla National Forest (FEMA report via Google). These values are summarized in the Eligibility portion of this report.

Other recent, but smaller fires have occurred in this area: Wall and Graves Creek, Little Wall Creek (2003), and Hunter Creek (2006). In 2007 a second Monument Fire Complex burned about 54,000 acres, up to the west bank of river between river miles 39 and 31 and both sides of the river between river miles 31 and 24.

**Other:** Scattered private/public land ownership exists from the Camas Creek to Wrightman County Road Bridge. The private land ownership pattern increases along the North Fork John Day River downriver, from the Wrightman Canyon county road. The outstandingly remarkable values that qualify this river segment as eligible for inclusion are not affected by the Skull Canyon bridge, or the Wrightman Canyon bridge; these bridges do not affect the free-flowing nature of the river.

### **3. Reasonably foreseeable potential uses of the land and related waters that would be enhanced, foreclosed, or curtailed if the area were included in the National System and values that would be foreclosed or diminished if the area were not designated;**

Management consistent with wild and Scenic River status would maintain existing opportunities for fishing, big game hunting for deer and elk, rafting/kayaking/ canoeing, camping, wildlife observation, photography, and driving or riding ATV's for pleasure. Due to the restrictions associated with Wild and Scenic river status highly developed recreation opportunities would be precluded in the future on the North Fork of the John Day River.

Prior to BLM obtaining private lands through the Oregon Land Exchange Act of 2000 (OLEA) timber harvest and livestock grazing occurred on lands near the North Fork John Day River.

Existing and proposed management limits timber management to treatments to improve forest health. Similarly grazing has been restricted to ensure the congressional objectives stated in the OLEA

No additional restrictions on livestock grazing, or timber harvest would result from Wild & Scenic River designation.

Existing private land uses and motorized access to private property are not expected to change if the North Fork were designated as a Wild & Scenic River. These uses will continue, regardless of what decision is made regarding WSR designation. WSR designation would have no direct impact on private lands but could impact future requests for either vehicle or utility access to private land in order to protect ORVs associated with Wild and Scenic River Status.

### **4. Federal, state, tribal, local, public, or other interest in designating or not designating the river;**

The 1988 Omnibus Oregon Rivers Act designated a 54.1- mile segment of the North Fork John Day River, from its headwaters in the North Fork of the John Day Wilderness Area, to its confluence with Camas Creek.

By protecting lands adjacent to 25.5 miles the North Fork below Camas Creek designation of the BLM portion of the North Fork as a Wild and Scenic River would also help protect the outstandingly remarkable fish values associated with the Wild & Scenic River designation on U.S. Forest Service managed public lands upriver from Camas Creek.

BLM received several comments for and against WSR designation during the Scoping process for the John Day Basin Resource Management Plan. Comments for designation described this river as worthy of designation due to its scenic beauty, fisheries, and natural appearance. Comments against designation felt that designation restricted management and attracted more visitations resulting in resource degradation. Appendix 1 of this report contains public comment quotes during the 2006-7 BLM public scoping meetings; for and against WSR designation.

As noted above the State of Oregon valued the scenic quality of the North Fork enough to include the entire study section in the State Scenic Waterway System under the Oregon Scenic Waterways Act (ORS 390.826). State Scenic waterway guidance and the participation of the Oregon Department of Parks and Recreation are important components in protecting the integrity of outstandingly remarkable values.

Existing and future management of mining within the potential WSR corridor would rely upon restrictions of existing State Scenic waterway guidance, even if the state were to change guidance in the future, to protect scenic quality, and after the completion of the John Day RMP, visual resource management guidance and

Several tribes have participated in the John Day Basin Resource Management Plan planning process and have indicated concerns about preserving the fishery in the John Day River.

## **5. Estimated cost of acquiring necessary lands and interests in lands and administering the area, if designated;**

Federal Wild and Scenic River Designation with a Recreation or Scenic classification from Camas Creek to public lands downriver from Wall Creek would not result in the need to acquire any additional lands to manage the ORVs on existing BLM public lands adjacent to the North Fork John Day River. BLM would consider acquisition of private lands and leases adjacent to this river only from willing sellers, to enhance manageability of the area.

Estimated costs would depend on location and acreage of private land. Funding for acquisition would be expected to come from Land & Water Conservation Act funding by Congress. No additional costs are anticipated from the management of the area as a Wild & Scenic River. BLM currently manages this river to protect scenic, fishery and recreation values.

## **6. Ability of the agency to manage and protect the river area or segment as a wild and scenic river or other means to protect the identified values other than wild and scenic river designation;**

BLM management currently maintains or protects fishery ORVs through existing regulations to preserve and maintain habitat for special status fish (bull trout, and Steelhead), through the Endangered Species Act (ESA), Pac fish, and the proposed Aquatic Conservation Strategy in the John Day Basin Resource Management Plan.

Water quantity is protected through a 1986 instream water right held by the Oregon Department of Fish and Wildlife. Water quality is protected by the State of Oregon water quality regulations.

The Federal government can also exert federal water right laws to protect ORVs within a river;

“The designation of a river as a wild, scenic or recreational river under the Wild and Scenic Rivers Act of October 2, 1968, explicitly reserves sufficient unappropriated water to fulfill the purposes of the Act.

The BLM will use a variety of tools, authorities and strategies to achieve in-stream flow levels that support Wild and Scenic River values. These tools include: leasing (in the short term) and transferring existing BLM consumptive use rights to in-stream uses (in the long term); entering co-operative agreements with the State of Oregon, other agencies, and organizations for the purchase of water rights from willing sellers for transfer to in-stream uses.

If these other tools are not effective, BLM may quantify and assert the BLM’s Federal reserved water right.” Recreation values for water-based recreation activities also benefit from in-stream flows for rafting, canoeing, kayaking, and fishing.

The amount of water reserved is the minimum amount necessary to fulfill the purposes of the Act. The amount of water reserved is the minimum amount necessary to protect the particular aesthetic, recreational, scientific, biotic, or historic features (‘values’) which led to the river’s designation. The amount of flow reserved will vary on a case-by-case basis.

The John Day Basin RMP proposes a Visual Resource Management Class 2 for the North Fork John Day. Under this classification scenic quality ORV would receive a higher level of protection than under current management standards. A WSR designation would add weight and consideration to any decision regarding a proposed project within this river canyon which could be seen from the river or adjacent road.

Future project proposals such as timber harvests would require review for compliance with the WSR Act if the Camas- Wrightman Canyon and Wrightman Canyon to Monument river segments were designated as federal Wild and Scenic Rivers. Overall, the BLM would be able to manage and protect the river area with minimal effort.

## **7. Historical or existing rights that could be adversely affected with designation; and**

The BLM has a responsibility to ensure tribal members satisfy their treaty rights and to maintain cultural practices on all public lands managed by BLM. Government-to-government consultation is part of the RMP process and on-going public land management necessary to ensure tribal rights to access and use resources and places

important to Native Americans are not affected. Wild & Scenic River designation would not affect or impair activities traditionally pursued by tribal members as they exercise their treaty rights and cultural practices.

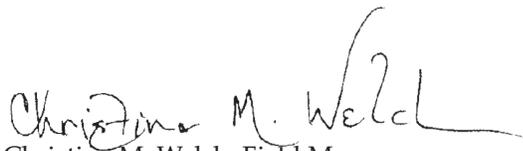
Wild and Scenic river status would have no impact on historical or existing rights except as described in sections 3 and 4 above.

## **8. Other**

BLM would work with private landowners to minimize conflicts or trespass with public use of this waterway. No other issues or concerns regarding suitability of this segment have been identified in the land use planning process.

Recommendation:

Based on my review of both the Eligibility Study and the information provided in this Suitability Study my preliminary recommendation is that the North Fork John Day River between River Mile 55 (Camas Creek) and River Mile 20.4 (four miles up river from monument) are Suitable for inclusion in the National Wild and Scenic Rivers System.



Christina M. Welch, Field Manager  
Central Oregon Resource Area  
Prineville District, Bureau of Land Management

**References**

Jonas, Lil. 2006. Final Report. Prineville District Office Eligibility Inventory of potential Wild and Scenic Rivers in the John Day Basin Resource Management Plan Planning Area. Prepared for the Bureau of Land Management Prineville District Office. Prineville, Oregon. 97754.

Bureau of Land Management. 2004. "Clarification of Policy in the BLM Manual Section 8351, Wild and Scenic Rivers, with Respect to Eligibility Criteria and Protective Management," Instruction Memorandum No. 2004-196, Washington, D.C.

Bureau of Land Management. 1993. Manual 8351 – Wild and Scenic Rivers – Policy and Program Direction for Identification, Evaluation, and Management. Washington, D.C.

**2006-7 Public Comments Regarding Wild & Scenic River Issue  
John Day Basin Resource Management Plan**

June 20, 2007

**I. AMS Scoping Period Comments; Subject Source: SMA Special Management Areas**

**For WSR Designation;**

- \* We support ONDA's proposal that BLM evaluate and recommend and recommend for designation as Wild & Scenic the North Fork John Day from Camas Creek to Monument. (292/14)
- \* Special management designations for suitable lands. Give careful consideration to management of roadless areas. Designate special resource management for Wild & Scenic River status to improve protective status retaining the natural values permanently for future generations. (18/6)
- \* Nominating the North Fork for Wild and Scenic River status would be consistent with previous BLM and U.S. Forest Service planning decisions to seek protection for lands between Service Creek and Tumwater Falls on the main John Day, as well as on the upper North Fork above Camas Creek. The designation would also assist the BLM's effectiveness in carrying out the provisions of the Oregon Land Exchange Act of 2000 because the agency has acquired a nearly contiguous block of public land along the river between Dale and Monument. The North Fork John Day is a valuable public asset for scenery, for resource protection, and for recreation, and nominating it for National Wild and Scenic River status would help accomplish the central goals of the planning process. ( 29/1)
- \* The new RMP should consider adding additional Wild and Scenic river designations. The existing 54 miles of the designated North Fork John Day River lies immediately upstream of river segment 7 ( as described in the John Day River RMP), which now contains significantly more public land after recent acquisitions. This 41 mile segment is remote, forested and includes high scenic and wildlife values. According to the current John Day River RMP, this segment contains important habitat for elk, Lewis' woodpeckers and bald eagles. Steep, forested hillsides border the river. This section should be studied and considered for addition to the North Fork John Day Wild & Scenic River. (52/2)
- \* Please consider assessing the suitability of streams and rivers such as the North Fork John Day from Camas Creek to Monument for Wild and Scenic River status. (15/4)
- \* Please consider the North Fork of the John Day River from Camas Creek to Monument for Wild and Scenic status. (17/5); (pg. 55)
- \* Assess suitability of the North Fork John Day from Camas Creek to Monument for Wild and Scenic River Status. (21/4)
- \* Consider nominating streams and rivers such as North Fork John Day from Camas Creek to Monument for Wild and Scenic River Status. (27/6)
- \* Consider nominating streams and rivers such as North Fork John Day from Camas Creek to Monument for Wild and Scenic River Status. (30/5)
- \* The new RMP should consider adding additional Wild and Scenic river designations. The existing 54 miles of the designated North Fork John Day River lies immediately upstream of river segment 7 ( as described in the John Day River RMP), which now contains significantly more public land after recent acquisitions. This 41 mile segment is remote, forested and includes high scenic and wildlife values. According to the current John Day River RMP, this segment contains important habitat for elk, Lewis' woodpeckers and bald eagles. Steep, forested hillsides border the river. This section should be studied and considered for addition to the North Fork John Day Wild and Scenic River. (49/2))
- \* The new RMP must address designating additional Wild and Scenic River areas. Newly acquired North Fork John Day lands should be inventoried for potential addition to the Wild & Scenic River System. The North Fork John Day River from Camas Creek to Monument, is one area that merits WSR designation. (49/6)
- \* You must consider nominating streams and rivers such as North Fork John Day from Camas Creek to Monument for Wild and Scenic River status in order to gain the most protection for this area. (54/6)

### **Against WSR Designation**

- \* Do not add any Wild or Scenic rivers to the existing inventory and do not allow verbal cultural history as valid. (35/9)
- \* Designation of more Wild and Scenic Rivers will serve no purpose and in fact is counterproductive to keeping these streams in a healthy condition. Designation of these streams eliminates the ability to manage them. If at this current date, they still qualify for Wild and Scenic designation, it tells me we have been doing ok without this designation and can continue to do so through proper management. (290/2)
- \* I am opposed to any additional designation of Wild & Scenic Rivers for the same reasons I am opposed to additional Wilderness designations...Don't take away your [management] options by designating them.... (No additional wording).

## **II. 2007 February and March Public Scoping Meetings\***

(\* public comments sorted by key words)

### **For WSR Designation;**

- \* Wild and Scenic Rivers - Please consider for designation the North Fork John Day River between Wall and Camas Creek as well as BLM managed sections of Bridge Creek and Jackknife canyon. (pg.4)
- Special designations (WSR, Wilderness, ACEC, etc.) attracts tourism opportunities for education; also attracts tourists. (pg. 55)

### **Against WSR Designation**

- \* Designation [as Wild & Scenic River] does not save it, degrades it causes overuse from recreationists. Like overuse in Strawberry Mtn Wilderness, then it burned. It put it on the map for more people to visit. Same with wild & scenic rivers- overuse causes degradation.
- \* Pototmus Cr. - Not qual'd for wild and scenic river spawning & rearing habitat. (pg. 11 & 55)
- \* WSR. Designation does not save it, degrades it causes overuse from recreationists. Like overuse in Strawberry Mtn. Wilderness, then it burned. It put it on the map for more people to visit. Same with wild & scenic rivers- overuse causes degradation. (pg. 38 & 55)

## **III. Monument Landowner meeting Tuesday June 5, 2007**

BLM held a public meeting in Monument on June 5, 2007, specifically inviting 26 private landowners along the North Fork from Camas Creek to Monument. Sixteen individuals attended this meeting; most were landowners who had the following concerns regarding Wild and Scenic River designation:

1. Does what the public say matter, or has someone within government already made a decision?
2. If this became a federal WSR would it change the state designation or jurisdiction?
3. I was on two different committees, one for the WSR designation [1988] there were a lot of tough battles. We had Kimberly to Wall Creek taken out of the WSR provision. Is this still the case? So it (WSR designation) may come up again?
4. I have a specific question. If a WSR decision is made will it be difficult to tear down our existing house and build something different?

BLM is aware that landowners would like to maintain their motorized access to their private lands and do not want public trespass on their private lands.

# Appendix J: Grazing

This appendix is divided into two sets of tables. The first set (Table J-1) summarizes allotments by area, status of Rangeland Health Standard and Guidelines, and Grazing Matrix Outcomes by alternative. The second set (Table J-2) summarizes allotments by the values of specific Grazing Matrix factors and ratings by alternative (see Chapter 2, Livestock Grazing section for an explanation of factors and ratings).

## Key (Table J-1)

AUMs = Animal Unit Months

S&Gs = Rangeland Health Standards and Guides

Standard 1 = Watershed Function - Uplands

Standard 2 = Watershed Function - Riparian/Wetland Areas

Standard 3 = Ecological Processes

Standard 4 = Water Quality

Standard 5 = Native, T&E, and Locally Important Species

**Bolded allotment names are managed under the Oregon Land Exchange Act of 2000. Forage for these allotments (AUMs appearing in parentheses) is currently unavailable for livestock.**

O = Allotment is available ("O") for livestock grazing

- = If permit is voluntarily relinquished (or allotment is already vacant), allotment would be unavailable ("Closed") for livestock grazing

R = If permit is voluntarily relinquished, it would be used as a Reserve Forage Allotment (RFA)

O/R = If permit is voluntarily relinquished, allotment would be available ("Open") for livestock grazing, or used as an RFA

-/R = If permit is voluntarily relinquished, allotment would be unavailable ("Closed") for livestock grazing, or used as an RFA

CLOSE = Allotment would be unavailable for livestock grazing, regardless of permit relinquishment

**Table J-1. Allotments in the John Day Basin planning area by area, status of Rangeland Health Standard and Guidelines, and Grazing Matrix Outcomes by alternative.**

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2500	Frank Anderson	7,467	79	10					O	-/R	-/R	-/R
2501	Herbert Asher	3,585	2,522	101	2005	NO	NO	2	O	-/R	-/R	-
2503	Asher Hubert	580	317	17					O	O	O	-/R
2504	Barker	5,823	157	18	2003	YES			O	-/R	-/R	-/R
2505	Barnett	2,099	394	55	2003	YES			O	O	O	O
2506	Maxine Barnett	3,284	195	19	2004	NO	YES	1,2,3,4,5	O	-/R	-/R	-/R
2507	Brooks	7,059	121	3					O	-/R	-/R	-/R
2508	Bear Creek	3,717	723	45					O	O	O	O
2509	Belshe	2,688	1,596	62	2003	YES			O	O	O	R
2511	Haystack	1,895	151	11					O	-	-	CLOSE
2512	Big Muddy	77,040	15,708	615	2002	NO	NO	1,2,3,4,5	O	O	O	R
2513	Big Sky	7,124	592	26	2002	YES			O	-/R	-/R	-/R
2514	Black Rock	15,751	3,408	224	2003	NO		1,2,3,4,5	O	O	O	O
2515	Bantam	319	40	6					O	-/R	-/R	-/R
2516	Gable Creek	4,979	4,979	210	2003	NO	NO	2,3,4,5	O	O	O	O
2517	Borschowa	2,170	76	4					O	-/R	-/R	-/R
2518	Pine Creek	16,518	5,437	346					O	O	O	R
2520	Smith Point	2,712	2,422	93	2002	NO	NO	2,4,5	O	O	O	R
2521	Horseshoe Bend	2,326	850	43	2003	YES			O	O	O	R
2522	James Brown	4,624	2,649	68	2003	YES			O	R	R	R
2524	Buck Hollow	4,987	441	10					O	-/R	-/R	-/R
2525	Rock Creek	11,232	2,619	231	2004	YES			O	O	O	O
2526	Peter Campbell	15,786	771	60	2004	YES			O	O	O	O
2528	Sentinel Peak	1,477	568	44					O	O	O	-/R
2529	F.C. Cherry	19,498	161	88					O	O	O	O
2530	Cimmiyotti	6,844	669	118					O	O	O	O
2531	Circle Bar	18,501	18,224	637	2003	NO	NO	3,4,5	O	-/R	-/R	-

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2532	T. Cole	24,828	454	19	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2533	Sutton Mountain	26,352	25,788	489	2003	NO	NO	2,4,5	O	-	-	-
2534	Richmond	5,823	239	10					O	-/R	-/R	-/R
2535	Hayfield	491	309	11	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2536	Spring Basin	29,247	5,659	146	2002	YES			O	O	O	R
2537	Dead Dog Canyon	4,263	4,013	243	2003	NO	NO	2,4,5	O	O	O	R
2538	Decker	4,656	2,875	206	2003	YES			O	R	R	R
2539	Biggs Junction	1,472	114	14					O	-/R	-/R	-/R
2540	Persimmon Woods	2,298	82	5	2002	YES			O	-/R	-/R	-
2541	Eakin	6,248	1,758	12					O	-/R	-/R	-/R
2543	Ellsworth	1,696	642	32					O	-/R	-/R	-/R
2544	Circle S Ranch	2164	664	16	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2545	Cherry Creek	57428	11645	438					O	O	O	O/R
2546	Freeway	2021	160	2					O	-/R	-/R	-/R
2547	Sixmile	4926	2356	245	2004	NO	YES	2	O	O	O	O
2548	Hogan Creek	2823	41	3					O	-/R	-/R	-/R
2549	Hardie	4576	1062	84					O	O	O	O
2551	Clinton O. Harris	26525	862	98					O	-/R	-/R	-
2553	Willow Spring	1648	1093	20	2003	YES			O	-/R	-/R	-/R
2554	Charles H. Hill	3782	1584	86					O	-	-	CLOSE
2555	Hoag	1180	369	10	2002	YES			O	-/R	-/R	-/R
2556	Murray Howard	8488	638	33	2004	NO	NO	4	O	-	-	CLOSE
2557	Hulden	4590	157	17					O	-/R	-/R	-/R
2558	Squaw Creek	12594	4747	301	2004	NO	YES		O	O/R	O/R	O/R
2559	Fopiano	15160	163	17					O	-/R	-/R	-/R
2560	Baseline	1101	535	27	2002	NO	NO	1,2,3,4,5	O	-/R	-/R	-/R
2561	Girds Creek	21243	1696	61	2003	NO	NO	2,4,5	O	-	-	CLOSE
2562	J Bar S	4533	707	34	2004	YES			O	-	-	CLOSE

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2563	Horseshoe Creek	28,865	1,612	100					O	O	O	-/R
2564	Cactus Ridge	1,045	323	20	2004	NO	YES	1,3	O	-/R	-/R	-
2565	Leroy A. Britt	8,954	212	33					O	-/R	-/R	-/R
2566	Justesen	2,545	113	3					O	-/R	-/R	-/R
2567	Kaser Brothers	6,049	1,526	59					O	O	O	O
2568	Keegan	7,102	610	29					O	-/R	-/R	-/R
2569	Zack T. Keys	9,800	1,812	58	2004	NO	NO	4	O	O	O	O
2570	Zack T Keys	3,246	1,595	64	2004	NO	NO	4	O	O	O	R
2571	Horn Butte	17,819	4,521	836	2004	NO	YES	2,4,5	O	O/R	O/R	R
2572	Laffoon and Carlson	6,712	2,823	83	2003	YES			O	-	-	-
2573	L.B. Ranch	457	24	2					O	-/R	-/R	-/R
2574	Lear	2,994	200	13					O	-/R	-/R	-/R
2575	Andrew F. Leckie, Jr	2,187	33	1					O	-/R	-/R	-
2576	Left Hand Canyon	4,759	117	3	2004	YES			O	-/R	-/R	-/R
2577	Byrds Point	6,469	1,690	94	2002	NO	NO	2,4,5	O	O	O	O
2578	Logan	15,713	1,428	111					O	O	O	O
2579	Eugene Logan Jr.	1,582	831	42	2004	YES			O	-/R	-/R	-
2581	Elsie Martin	4,806	985	22					O	-/R	-/R	-/R
2583	Mulkey	1,354	199	15	2004	YES			O	-	-	CLOSE
2584	Catherine Maurer	45,880	14,213	789					O	O	O	O/R
2585	Seek Peak	1,681	317	11					O	-/R	-/R	-/R
2586	Tom McDonald	6,947	458	27	2005	YES			O	-/R	-/R	-/R
2587	Corral Canyon	9,023	2,361	78	2002	NO	NO	1,2,3,4,5	O	-/R	-/R	-
2588	Spud	1,319	619	40	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2589	McQuinn	392	40	1					O	-/R	-/R	-/R
2590	Carroll Rim	3,704	3,471	101	2003	NO	NO	3,5	O	-	-	-
2591	Miller	3,815	1,822	47	2003	YES			O	-/R	-/R	-/R

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2592	Mary Miscner	1,020	511	51	2003	NO	NO	1,3,5	O	-	-	CLOSE
2593	Verne A. Mobley	6,415	1,316	133					O	O	O	O
2594	Morehouse and Elliot	232	64	3	2002	YES			O	-	-	CLOSE
2595	Windy River	1,772	721	53	2002	NO	NO	1,3,4,5	O	-/R	-/R	-/R
2596	Howard Mortimore	8,495	40	6					O	-/R	-/R	-/R
2597	John T. Murtha	15,458	8,894	283					O	O	O	R
2598	Hay Creek	4,186	1,757	126	2002	YES			O	O	O	O/R
2599	Kenneth Myers	6,363	159	10					O	-/R	-/R	-/R
2600	J. Willis Nartz	2,371	473	48					O	O	O	O
2601	Victor B. Nash	2,347	152	14					O	-/R	-/R	-/R
2603	Lee H. Petty John	9,874	355	14					O	-/R	-/R	-/R
2604	Philippi	8,097	1,039	64	2004	NO	NO	1,3,4,5	O	O	O	O
2605	E. Glenn Potter	1,268	76	3					O	-/R	-/R	-/R
2606	William W. Potter	884	82	4					O	-/R	-/R	-/R
2607	Pryor Farms	5,280	787	50	2005	NO	YES	2,4,5	O	O	O	O
2608	Rattray	27,646	10,795	517	2004	YES			O	O	O	R
2609	Crown Rock	4,277	4,257	105	2003	NO	NO	2,3,4,5	O	-/R	-/R	-
2611	Van Rietmann	3,398	843	25					O	-/R	-/R	-/R
2612	Arthur N. Robinson	819	39	1					O	-/R	-/R	-/R
2613	Frank R. Robinson	2,851	794	2					O	-/R	-/R	-
2614	Clarno Homestead	2,255	2,181	63	2003	YES			O	O	O	R
2616	Orville Ruggles	2,680	8	11	2003	YES			O	-/R	-/R	-/R
2617	Emigrant Canyon	5,759	609	20	2002	NO	NO	1,3,4,5	O	-/R	-/R	-/R
2619	Sid Seale	40,052	14,705	733	2003	NO		2,4,5	O	O	O	R
2620	Evelyn E. See	2,041	176	3					O	-/R	-/R	-/R
2621	Earl A. Smith	16,032	221	35	2003	YES			O	-/R	-/R	-/R
2622	Alta M. Spalding	620	130	7					O	-/R	-/R	-/R

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2623	Butte Creek	62,597	4,176	230	2003	YES			O	O	O	R
2624	Burnt Ranch	1,566	293	5	2002	NO	NO	1,2,3,4,5	O	-	-	CLOSE
2625	David M. Stirewalt	5,100	1,216	65					O	O	O	O
2626	Harper Mountain	10,808	718	25					O	-/R	-/R	-
2627	Robert W. Straub	5,322	1,585	69					O	-	-	CLOSE
2628	Fourmile Canyon	2,408	835	152	2004	NO	YES	1	O	-/R	-/R	-
2629	Tatum	6,080	2,860	113	2003	YES			O	O	O	R
2630	Tripp		71	7	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2631	Dipping Vat	2,123	1,151	25					O	-/R	-/R	-/R
2632	Larson	474	77	5					O	-/R	-/R	-/R
2633	Amine Peak	146,31	4,372	294	2002	NO	NO	2,4,5	O	-/R	-/R	-
2634	Corral Hollow	4,451	157	32					O	-/R	-/R	-/R
2635	Richard Foster	708	252	20					O	-	-	CLOSE
2636	Weedman Ranches	3,196	301	6					O	-/R	-/R	-/R
2637	V.O. West	3,389	232	15	2002	NO	NO	1,3,4,5	O	-	-	-
2639	Tubb Creek	6,510	407	50					O	O	O	O
2641	North Eighty	144	78	3	2004	YES			O	O	O	O
2642	Mascall-Cant	9,932	4,162	265	2004	NO	YES		O	-/R	-/R	-
2644	Hi-Meadows		544	98	2003	YES			O	-/R	-/R	-
2645	Clark	15,531	4,135	158					O	O	O	O
2646	Lonerock	87	68	27	2003	YES			O	O	O	O
2648	Hartung	1,884	697	22	2002	YES			O	-/R	-/R	-/R
2649	W Rim	2,023	349	3	2002	NO	NO	1,3	O	-/R	-/R	-/R
2651	Bull Canyon	1,879	278	3					O	-/R	-/R	-/R
2653	Brooks Lease	16,658	36	2					O	-/R	-/R	-/R
2655	Norton Ranch	25,499	316	21					O	-/R	-/R	-/R
2656	Dry Knob	1,087	334	7	2002	NO	NO	2,4,5	O	-/R	-/R	-/R
2657	Bridge Creek	553	52	2					O	-/R	-/R	-/R

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
2659	Packsaddle Mountain	1,100	397	20	2003	YES			O	-	-	CLOSE
2660	Rattlesnake Creek	4,218	283	11					O	-/R	-/R	-
2661	Pebble Springs	5,742	158	53					O	O	O	O
2662	Johnson Creek	21,031	7,115	436					O	O	O	R
2663	Smith Hollow	8,858	570	51					O	O	O	O
2664	Speckle Canyon	134	79	2	2004	YES			O	O	O	O
2665	Workman	2,667	40	3					O	-/R	-/R	-/R
2667	Gooseberry Mountain	3,475	1,266	43					O	O	O	O
2669	Kiosk	4,738	159	16	2004	NO	YES	1,3,5	O	-	-	CLOSE
2670	Rowe Creek	1379	360	16					O	-/R	-/R	-/R
2671	Red Rock	2728	964	40	2002	NO	NO	2,4,5	O	-	-	-
2672	Table Mountain	10,836	123	11					O	-/R	-/R	-/R
4001	Johnny Creek	6788	2,114	423	2005	NO	NO	2,3,5	O	-/R	-/R	-
4003	Slickear Mtn.	41,724	2,840	537					O	-/R	-/R	-
4007	Windy Point	5,878	2,585	407	2005	NO	NO	2,3,5	O	-/R	-/R	-
4009	Birch Creek	7,917	2,851	350	2005	NO	NO	2,3,5	O	-	-	-
4012	River	258	114	13					O	-/R	-/R	-/R
4013	John Day	91	40	5					O	-/R	-/R	-/R
4014	Middle Fork	81	81	16					O	-/R	-/R	-/R
4015	MUD SPRINGS	3,542	1,913	-128					-	CLOSE	CLOSE	CLOSE
4016	Dixie	6,599	2,215	236					O	O	O	O
4020	Murderer's Creek	37,181	16,917	860					O	-/R	-/R	-
4028	Neal Butte	3,565	684	119					O	-	-	CLOSE
4029	North Fork	5,666	2,279	316					O	-/R	-/R	-
4035	Rim	724	677	41					O	O	O	O
4036	Stonehill	2,895	511	80					O	O	O	O
4038	Dayville	3,945	1,667	141					O	-/R	-/R	-

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
4039	Aldrich Mtn.	9,995	40	5					O	-/R	-/R	-/R
4040	Merrell	15	5	9					O	-/R	-/R	-/R
4041	Franks Creek	3,703	2,109	196	2005	NO	YES	1,2,3,5	O	-	-	-
4042	Johnny Cake Mtn.	2,930	290	30					O	-	-	CLOSE
4043	Mahogany	10,514	319	64					O	O	O	-/R
4044	Soda Creek	6,317	1,968	405	2003	NO	YES	1,2,3,4,5	O	-	-	-
4049	Battle Creek	6,713	4,781	830	2004	YES			O	-/R	-/R	-
4050	Jinks Creek	5,750	80	16					O	-/R	-/R	-/R
4052	Big Baldy	15,139	12,036	1743	2004	YES			O	-/R	-/R	-
4056	Pointer	219	219	12					O	O	O	O
4058	Sugarloaf	214	160	45					O	O	O	O
4061	Scott Creek	4,420	913	119	2005	NO	NO	1,3,5	O	O	O	O
4064	Antelope	501	40	2					O	-/R	-/R	-/R
4065	East Franks Creek	1,625	630	81	2005	NO	NO	1,3,5	O	O	O	O
4066	Kidd Creek	6,211	720	91	2005	NO	NO	1,3,5	O	O	O	O
4067	Sheep CR Butte	17,598	810	153					O	O	O	-/R
4068	Sheep Gulch	5,804	3,561	250	2005	NO	NO	3,5	O	-/R	-/R	-
4072	Tamarack Creek	6,206	1,046	64					O	O	O	O
4074	McCarty Creek	1,471	1,158	20	2005	NO	YES	2	O	-	-	CLOSE
4075	Echo	80	40	5	2004	NO			O	-/R	-/R	-/R
4076	Cottonwood Creek	8,985	3,372	204	2004	NO	YES		O	-	-	-
4078	Gibson Hill	5,261	40	8					O	-/R	-/R	-
4080	South Stonehill	805	389	63					O	O	O	O
4082	Jack Of Clubs	1,574	83	8					O	-/R	-/R	-
4083	19 20	981	157	26					O	-	-	CLOSE
4086	Rudio Mtn.	4,999	3,788	590	2005	NO	NO	2,3,5	O	-/R	-/R	-/R
4087	Blue Basin	2,118	932	305	2005	NO	NO	2,4	O	-/R	-/R	-/R
4093	West Bologna Creek	4,453	79	12					O	-/R	-/R	-/R

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
4095	Fields Creek	4,051	1,011	214					O	O	O	O
4099	Indian	3,108	41	5					O	-/R	-/R	-/R
4103	Rockpile	9,830	4,925	928	2004	YES			O	-/R	-/R	-
4104	South Fork	4,841	240	47					O	O	O	-/R
4106	Izee	1,744	227	41					O	-	-	CLOSE
4107	Canyon Terrace	181	147	20					O	O	O	O
4108	Little Wall Creek	678	319	53					O	O	O	O
4109	Big Canyon Creek		146	20					O	-/R	-/R	-/R
4115	Canyon Mtn.	50	49	5					O	O	O	O
4119	Black Canyon	4,684	954	188	2004	YES			O	-/R	-/R	-
4120	Ferris Creek	5,364	3,374	277	2005	NO	NO	1,2,3,5	O	-	-	-
4122	Big Bend	712	266	25					O	-/R	-/R	-
4124	Smokey Creek	4,556	2,449	307	2002	YES			O	-/R	-/R	-
4125	UMATILLA	2,014	1,848	-123					-	-	-	-
4127	Kimberly	273	233	40					O	O	O	O
4131	Day Creek	2,511	1,586	160					O	-/R	-/R	-
4135	Gibson Creek	1,363	41	7					O	-/R	-/R	-
4139	BONE YARD	21,023	20,536	-1369					-	-/R	-/R	-
4145	Two County	29,203	14,010	1105	2005	NO	NO	4	O	-/R	-/R	-
4151	Kinzua	39,089	8,002	539	2005	NO	NO	2,3,5	O	O	O	O
4154	Morgan Creek	4,834	1,411	290					O	-/R	-/R	-
4155	Blackhorse Draw	4,276	476	29					O	-/R	-/R	-/R
4156	Rudio Creek	8,444	2,271	369	2005	YES			O	-/R	-/R	-
4159	Miller Mountain	1,683	41	5					O	-/R	-/R	-/R
4160	Bologna Creek	995	393	37					O	-/R	-/R	-/R
4163	Creek	1,105	757	51					O	-/R	-/R	-
4164	Corral Gulch	5,606	2,953	318					O	-	-	-
4184	Pass Creek	3,816	79	10					O	-/R	-/R	-

Number	Name	Total Acres	BLM Acres	BLM AUMs	Year S&G Completed	S&Gs Met?	1 or More Failures Caused by Livestock?	Standards not met	Alt 1	Alts 2 and 5	Alt 3	Alt 4
4186	Big Flats	12,581	924	100					O	-/R	-/R	-
4190	POTAMUS	4,341	4,304	-287					-	-	-/R	-
4191	Jack Rhodden	39,983	101	26					O	-/R	-/R	-/R
4192	WILLIAM HEALY	7,082	5,160	-344					-	-	-/R	-
4193	DOHERTY	4,310	4,272	-285					-	-	-/R	-
4195	JERICHO CREEK	7,400	63,03	-420					-	-	-/R	-
4196	Big Wall Creek	1,536	40	3					O	-/R	-/R	-/R
4197	SCAFFOLD CREEK	1,846	1,614	-108					-	-/R	O	-
4198	WALL CREEK	485	485	-32					-	CLOSE	-/R	CLOSE
4352	Cow Creek	1,648	149	10					O	-/R	-/R	-/R

Table J-2. Allotments in the John Day Basin planning area by the values of specific Grazing Matrix factors and ratings by alternative.

Allotment Number	ALTERNATIVE 2 Indicators (factors)														Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
2500	0	0	0	50	0	92	1	0	0	0	0	0	L	20	L	0	L
2501	36	36	100	1	100	16	0.25	112	0	75	0	68	M	75	M	37	M
2503	30	30	0	100	0	86	1	100	0	0	0	15	L	58	M	32	M
2504	0	0	0	50	0	85	1	0	0	0	0	0	L	20	L	0	L
2505	0	0	0	55	100	54	1	0	0	0	0	0	L	72	M	0	L
2506	0	0	0	70	0	84	1	0	0	0	100	0	L	19	L	25	L
2507	0	0	0	50	0	98	1	100	0	0	0	0	L	18	L	25	L
2508	0	0	0	10	0	63	1	14	0	0	0	0	L	90	M	3	L
2509	123	23	100	1	79	48	2	15	48	0	0	112	M	77	M	21	L
2511	100	100	0	100	0	91	2	72	0	0	0	50	M	13	L	43	M
2512	7	7	100	1	36	1	0.25	16	0	75	0	54	M	144	M	6	L
2513	41	41	43	20	0	78	1.5	23	0	0	0	42	M	19	L	16	L
2514	2	2	0	1	0	1	0.25	4	100	0	0	1	L	174	H	27	M
2515	0	0	0	70	0	95	1	100	0	0	0	0	L	17	L	25	L
2516	0	0	100	1	100	1	0.25	100	0	75	0	50	M	113	M	25	L
2517	0	0	0	50	0	97	1	100	0	0	0	0	L	18	L	25	M
2518	46	6	100	1	100	1	1	0	82	0	0	73	M	121	M	22	L
2520	50	50	100	1	83	23	1	42	0	75	0	75	M	85	M	23	L
2521	126	26	85	1	47	64	2	32	0	0	0	105	M	59	M	14	L
2522	138	38	100	1	66	43	2	40	0	0	0	119	H	83	M	19	L
2524	0	0	0	10	0	92	1	0	0	0	0	0	L	22	L	0	L
2525	0	0	0	1	0	1	0.25	100	0	0	0	0	L	179	H	25	L
2526	0	0	4	1	0	50	0.25	100	0	0	0	2	L	84	M	25	L
2528	0	0	36	50	0	63	1	100	100	0	0	18	L	57	M	50	M
2529	0	0	0	20	0	27	0.25	0	0	0	0	0	L	93	M	0	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)				
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2530	0	0	0	1	0	2	0.25	0	0	0	0	L	100	M	0	L
2531	125	66	100	1	100	1	2	100	0	75	0	M	83	M	42	M
2532	1	1	0	30	0	84	1	49	0	75	0	L	18	L	13	L
2533	161	77	100	1	100	1	2	100	0	75	0	H	75	M	44	M
2534	0	0	0	75	0	92	1	0	0	0	0	L	19	L	0	L
2535	108	37	31	70	100	91	2	0	0	75	0	M	39	L	9	L
2536	78	3	100	1	100	1	1	0	0	0	0	M	133	M	1	L
2537	10	10	100	1	100	1	0.25	72	0	75	0	M	116	M	21	L
2538	136	41	100	1	100	1	2	33	0	0	0	H	112	M	18	L
2539	0	0	0	60	0	88	1	0	0	0	0	L	20	L	0	L
2540	52	52	0	100	0	96	2	79	0	0	0	L	14	L	33	M
2541	100	0	100	30	75	90	1.5	1	38	0	0	M	12	L	10	L
2543	0	0	0	1	0	73	1	0	0	0	0	L	23	L	0	L
2544	17	17	20	80	38	87	1	100	0	75	0	L	12	L	29	M
2545	2	2	100	1	2	1	0.25	66	0	0	0	M	161	H	17	L
2546	0	0	0	50	100	98	1	0	0	0	0	L	17	L	0	L
2547	0	0	100	1	100	1	0.25	0	0	0	20	M	151	H	5	L
2548	0	0	0	90	0	98	1	0	0	0	0	L	18	L	0	L
2549	0	0	96	1	0	30	0.25	0	72	0	0	M	77	M	18	L
2551	39	39	4	95	100	18	0.25	100	0	0	0	L	52	L	35	M
2553	113	13	100	50	0	83	1.5	12	0	0	0	M	55	L	6	L
2554	0	0	100	1	100	28	0.25	100	100	0	0	M	51	L	50	M
2555	36	36	37	100	0	92	1	58	0	0	0	M	14	L	24	L
2556	61	61	44	20	0	73	1.5	72	0	75	0	M	15	L	33	M
2557	0	0	0	80	0	86	1	0	0	0	0	L	19	L	0	L
2558	0	0	100	1	0	1	0.25	42	0	0	80	M	167	H	31	M

Allotment Number	ALTERNATIVE 2 Indicators (factors)													Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)			
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
2559	0	0	0	50	0	86	1	0	87	0	0	0	L	18	L	22	L
2560	44	44	54	90	100	78	1.5	42	0	75	0	49	M	9	L	22	L
2561	82	42	100	1	100	49	1	98	89	75	0	91	M	32	L	57	M
2562	39	39	71	50	100	72	1	11	100	0	0	55	M	11	L	37	M
2563	0	0	0	1	0	17	0.25	41	95	0	0	0	L	83	M	34	M
2564	0	0	0	70	100	83	1	100	0	0	40	0	L	14	L	35	M
2565	0	0	0	100	100	73	1	81	0	0	0	0	L	13	L	20	L
2566	0	0	0	50	100	98	1	0	0	0	0	0	L	17	L	0	L
2567	0	0	100	40	0	51	1	51	0	0	0	50	M	70	M	13	L
2568	0	0	0	50	0	76	1	69	0	0	0	0	L	19	L	17	L
2569	11	11	64	20	0	52	1	89	0	75	0	37	M	64	M	25	L
2570	5	5	100	20	44	47	0.25	53	0	75	0	53	M	59	M	15	L
2571	96	96	0	1	0	1	1	84	0	0	60	48	M	160	H	60	M
2572	145	47	100	1	78	31	2	47	9	0	0	122	H	52	L	26	M
2573	0	0	0	85	0	98	1	0	0	0	0	0	L	18	L	0	L
2574	0	0	0	80	0	89	1	0	0	0	0	0	L	19	L	0	L
2575	0	0	3	60	100	99	1	100	100	0	0	2	L	11	L	50	M
2576	0	0	0	80	0	98	1	100	0	0	0	0	L	16	L	25	L
2577	10	10	20	1	0	22	0.25	100	0	75	0	15	L	75	M	27	M
2578	0	0	0	1	0	8	0.25	94	0	0	0	0	L	90	M	24	L
2579	100	100	83	1	0	65	1.5	100	0	0	0	91	M	92	M	50	M
2581	65	0	58	60	100	82	1.5	0	0	0	0	61	M	13	L	0	L
2583	100	100	20	20	0	88	1.5	100	0	0	0	60	M	16	L	50	M
2584	14	10	100	1	2	1	0.25	7	19	0	0	57	M	166	H	9	L
2585	0	0	0	60	0	91	1	100	0	0	0	0	L	17	L	25	L
2586	0	0	46	70	0	78	1	75	0	0	0	23	L	16	L	19	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)					
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
2587	0	0	100	1	64	35	0.25	1	101	75	0	50	M	55	M	26	M
2588	24	24	62	20	0	67	1	0	0	75	0	43	M	18	L	6	L
2589	0	0	0	100	0	99	1	100	0	0	0	0	L	15	L	25	L
2590	187	93	100	1	100	16	2	100	0	75	0	143	H	66	M	48	M
2591	128	32	100	1	87	61	2	39	25	0	0	114	M	49	L	24	L
2592	200	100	51	30	100	58	2	100	0	75	0	125	H	41	L	50	M
2593	0	0	0	50	0	1	0.25	0	100	0	0	0	L	156	H	25	L
2594	100	100	6	1	100	98	2	95	0	0	0	53	M	14	L	49	M
2595	53	53	72	80	100	56	1.5	40	0	75	0	63	M	38	L	23	L
2596	0	0	0	80	0	95	1	0	0	0	0	0	L	19	L	0	L
2597	85	53	100	1	7	1	1	42	0	0	0	93	M	145	M	24	L
2598	18	18	100	1	63	1	0.25	17	0	0	0	59	M	152	H	9	L
2599	0	0	0	80	0	92	1	23	0	0	0	0	L	18	L	6	L
2600	0	0	0	30	0	60	1	0	0	0	0	0	L	88	M	0	L
2601	0	0	0	90	0	88	1	0	0	0	0	0	L	18	L	0	L
2603	0	0	0	30	0	88	1	0	0	0	0	0	L	21	L	0	L
2604	3	3	0	1	0	47	0.25	31	0	75	0	1	L	83	M	8	L
2605	0	0	0	70	0	98	1	68	0	0	0	0	L	17	L	17	L
2606	0	0	0	50	0	97	1	0	0	0	0	0	L	20	L	0	L
2607	0	0	0	1	0	58	1	0	23	0	60	0	L	91	M	21	L
2608	100	50	100	1	73	1	1	1	8	0	0	100	M	132	M	14	L
2609	29	0	100	1	100	13	0.25	100	20	75	0	65	M	99	M	30	M
2611	0	0	84	50	100	79	1	0	0	0	0	42	M	15	L	0	L
2612	0	0	0	50	0	99	1	0	0	0	0	0	L	20	L	0	L
2613	0	0	0	70	0	98	1	100	100	0	0	0	L	14	L	50	M
2614	22	22	100	1	100	48	0.25	0	45	0	0	61	M	126	M	17	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)					
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
2616	0	0	0	70	0	91	1	0	0	0	0	0	L	19	L	0	L
2617	35	35	0	10	0	83	1	53	0	75	0	17	L	18	L	22	L
2619	128	43	100	1	43	1	2	35	0	75	0	114	M	109	M	20	L
2620	0	0	0	70	0	98	1	0	0	0	0	0	L	19	L	0	L
2621	0	0	0	20	0	71	1	100	0	0	0	0	L	20	L	25	L
2622	0	0	4	60	0	94	1	100	0	0	0	2	L	17	L	25	L
2623	38	36	100	1	96	1	0.25	0	0	0	0	69	M	143	M	9	L
2624	61	61	12	90	100	96	2	100	0	75	0	37	M	8	L	40	M
2625	0	0	0	10	0	46	0.25	100	0	0	0	0	L	83	M	25	L
2626	0	0	0	30	0	79	1	100	100	0	0	0	L	16	L	50	M
2627	7	7	92	50	100	43	0.25	95	100	0	0	49	M	40	L	50	M
2628	95	95	71	1	85	1	1	86	0	0	20	83	M	122	M	50	M
2629	39	15	100	1	53	6	0.25	13	64	0	0	70	M	67	M	23	L
2630	100	100	7	100	43	94	2	0	0	75	0	54	M	11	L	25	L
2631	79	0	100	1	92	79	1.5	0	100	0	0	90	M	47	L	25	L
2632	0	0	0	90	0	96	1	0	0	0	0	0	L	18	L	0	L
2633	21	21	100	1	100	1	0.25	93	0	75	0	61	M	110	M	29	M
2634	0	0	0	60	100	73	1	0	0	0	0	0	L	17	L	0	L
2635	100	100	0	98	0	83	1.5	100	0	0	0	50	M	13	L	50	M
2636	4	4	12	40	0	95	1	20	0	0	0	8	L	20	L	6	L
2637	80	80	12	90	67	88	1.5	25	0	75	0	46	M	11	L	26	M
2639	0	0	36	75	10	58	1	0	99	0	0	18	L	62	M	25	L
2641	0	0	8	100	0	98	1	100	0	0	0	4	L	59	M	25	L
2642	0	0	100	50	0	1	0.25	83	0	0	60	50	M	139	M	36	M
2644	100	100	0	1	0	18	1	100	0	0	0	50	M	76	M	50	M
2645	10	10	44	10	0	1	0.25	82	0	0	0	27	L	166	H	23	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)			
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological	
2646	0	0	0	70	0	78	1	100	0	0	0	0	L 68	M 25	L
2648	44	44	70	30	100	82	1.5	30	0	0	0	57	M 14	L 18	L
2649	161	93	35	80	0	98	2	0	0	75	0	98	M 10	L 23	L
2651	39	0	0	100	0	98	1	0	0	0	0	19	L 16	L 0	L
2653	0	0	0	70	0	98	1	0	0	0	0	0	L 19	L 0	L
2655	0	0	0	70	0	83	1	20	0	0	0	0	L 19	L 5	L
2656	121	40	28	50	0	94	2	0	0	75	0	74	M 13	L 10	L
2657	0	0	0	50	0	98	1	100	0	0	0	0	L 18	L 25	L
2659	200	100	40	60	100	83	2	100	0	0	0	120	H 7	L 50	M
2660	0	0	16	99	0	91	1	196	0	0	0	8	L 12	L 49	M
2661	100	100	0	1	0	56	1.5	0	0	0	0	50	M 82	M 25	L
2662	9	9	100	80	0	1	0.25	22	24	0	0	54	M 131	M 14	L
2663	0	0	0	30	0	58	1	0	0	0	0	0	L 88	M 0	L
2664	0	0	0	90	0	98	1	100	0	0	0	0	L 62	M 25	L
2665	0	0	0	100	0	98	1	0	0	0	0	0	L 18	L 0	L
2667	0	0	100	10	0	64	1	28	0	0	0	50	M 77	M 7	L
2669	100	100	16	1	0	87	1.5	100	0	0	0	58	M 17	L 65	M
2670	0	0	0	50	0	87	1	0	0	0	0	0	L 20	L 0	L
2671	23	23	72	50	100	67	1	100	0	75	0	48	M 10	L 31	M
2672	0	0	0	80	0	91	1	0	49	0	0	0	L 17	L 12	L
4001	19	19	100	50	0	1	0.25	163	0	75	0	60	M 101	M 46	M
4003	22	22	100	85	9	1	0.25	135	0	0	0	61	M 107	M 39	M
4007	0	0	100	50	0	1	0.25	160	0	75	0	50	M 106	M 40	M
4009	31	31	100	50	0	1	0.25	193	99	75	0	65	M 68	M 81	H
4012	0	0	11	75	100	89	1	100	0	0	0	6	L 13	L 25	L
4013	0	0	0	100	0	96	1	100	0	0	0	0	L 15	L 25	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
4014	0	0	8	95	100	87	1	100	0	0	0	4	L 49	L 25
4015	241	241	100	1	100	58	2	103	0	0	0	170	H 51	L 86
4016	0	0	100	1	100	1	0.25	11	0	0	0	50	M 149	M 3
4020	52	11	100	1	100	1	1	236	0	0	0	76	M 92	M 62
4028	85	85	20	55	42	1	1	186	0	0	0	52	M 53	L 68
4029	100	100	100	1	100	22	1	154	0	0	0	100	M 90	M 71
4035	0	0	68	1	0	66	1	100	0	0	0	34	L 150	M 25
4036	0	0	0	100	0	33	0.25	31	17	0	0	0	L 72	M 12
4038	0	0	100	1	0	1	0.25	188	0	0	0	50	M 138	M 47
4039	0	0	4	100	0	96	1	100	0	0	0	2	L 15	L 25
4040	0	0	0	50	0	93	1	100	0	0	0	0	L 18	L 25
4041	3	3	100	1	100	1	0.25	169	100	0	80	51	M 93	M 88
4042	74	74	29	50	100	75	1.5	100	0	0	0	51	M 12	L 43
4043	0	0	32	1	0	47	0.25	195	0	0	0	16	L 72	M 49
4044	0	0	100	50	0	1	0.25	200	0	0	100	50	M 116	M 75
4049	0	0	100	1	100	1	0.25	224	0	0	0	50	M 107	M 56
4050	0	0	0	100	0	87	1	100	0	0	0	0	L 15	L 25
4052	31	31	100	1	100	1	0.25	197	0	0	0	65	M 105	M 57
4056	0	0	22	50	0	90	1	91	0	0	0	11	L 69	M 23
4058	0	0	0	1	0	63	1	0	0	0	0	0	L 140	M 0
4061	0	0	0	70	0	1	0.25	89	0	75	0	0	L 68	M 22
4064	0	0	4	100	100	98	1	0	0	0	0	2	L 14	L 0
4065	0	0	63	1	0	33	0.25	100	0	75	0	32	L 70	M 25
4066	0	0	36	45	0	24	0.25	51	0	75	0	18	L 70	M 13
4067	39	39	12	98	0	1	0.25	164	0	0	0	25	L 116	M 51
4068	1	1	100	10	0	1	0.25	174	0	75	0	50	M 119	M 44

Allotment Number	ALTERNATIVE 2 Indicators (factors)													Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)			
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
4072	0	0	0	40	0	47	0.25	0	0	0	0	0	L	87	M	0	L
4074	85	85	100	50	100	83	1.5	129	0	0	20	93	M	35	L	58	M
4075	0	0	4	1	0	96	1	14	0	0	0	2	L	22	L	4	L
4076	8	8	100	1	0	1	0.25	230	68	0	100	54	M	111	M	102	H
4078	0	0	0	100	0	93	1	200	0	0	0	0	L	13	L	50	M
4080	0	0	39	95	0	48	0.25	100	0	0	0	20	L	62	M	25	L
4082	0	0	8	100	0	93	1	125	78	0	0	4	L	12	L	51	M
4083	70	70	12	70	100	78	1.5	100	0	0	0	41	M	12	L	42	M
4086	0	0	100	1	100	1	0.25	111	0	75	0	50	M	111	M	28	M
4087	0	0	93	50	100	1	0.25	113	0	75	0	47	M	93	M	28	M
4093	0	0	0	100	100	90	1	0	94	0	0	0	L	12	L	24	L
4095	0	0	100	1	0	1	0.25	63	0	0	0	50	M	163	H	16	L
4099	13	0	4	100	0	96	1	94	0	0	0	9	L	15	L	24	L
4103	55	55	100	1	0	1	1	225	0	0	0	77	M	117	M	70	M
4104	33	33	24	100	0	61	1	100	0	0	0	29	L	57	M	33	M
4106	96	96	0	100	0	66	1.5	200	0	0	0	48	M	42	L	74	M
4107	0	0	0	60	0	83	1	98	0	0	0	0	L	70	M	25	L
4108	0	0	32	50	100	56	1	0	0	0	0	16	L	69	M	0	L
4109	0	0	14	90	0	83	1	100	0	0	0	7	L	15	L	25	L
4115	0	0	5	90	0	96	1	72	0	0	0	3	L	65	M	18	L
4119	4	4	89	50	0	1	0.25	205	0	0	0	46	M	117	M	52	M
4120	17	17	100	1	100	1	0.25	185	100	75	0	58	M	69	M	75	H
4122	37	37	0	40	0	79	1	200	0	0	0	18	L	15	L	59	M
4124	93	0	100	1	0	1	1	211	0	0	0	97	M	111	M	53	M
4125	203	203	100	1	100	63	2	100	0	0	0	151	H	73	M	76	H
4127	0	0	23	52	0	67	1	100	0	0	0	12	L	70	M	25	L

Allotment Number	ALTERNATIVE 2 Indicators (factors)												Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)				
	SMA Social	SMA Eco	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
4131	0	0	100	1	26	1	0.25	174	0	0	0	50	M	134	M	44	M
4135	0	0	4	50	0	94	1	200	0	0	0	2	L	15	L	50	M
4139	93	93	100	1	100	1	1	126	0	0	0	97	M	103	M	56	M
4145	16	16	100	1	7	1	0.25	134	52	75	0	58	M	113	M	50	M
4151	0	0	100	1	0	1	0.25	30	0	75	0	50	M	151	H	8	L
4154	0	0	100	1	0	1	0.25	200	0	0	0	50	M	135	M	50	M
4155	13	13	0	1	0	76	1	100	0	0	0	6	L	20	L	28	M
4156	25	25	100	50	0	1	0.25	143	0	0	0	62	M	121	M	42	M
4159	0	0	0	100	0	96	1	0	0	0	0	0	L	18	L	0	L
4160	0	0	39	10	0	69	1	100	0	0	0	20	L	19	L	25	L
4163	0	0	76	1	100	58	1	265	0	0	0	38	M	70	M	66	M
4164	9	9	100	1	100	1	0.25	300	100	0	0	54	M	65	M	102	H
4184	0	0	0	100	0	92	1	200	0	0	0	0	L	13	L	50	M
4186	47	47	92	1	0	17	1	200	0	0	0	70	M	61	M	62	M
4190	90	90	100	1	100	1	1	200	0	0	0	95	M	80	M	83	H
4191	1	0	0	100	0	78	1	60	0	0	0	0	L	17	L	15	L
4192	159	159	100	20	100	1	2	125	0	0	0	130	H	81	M	71	M
4193	202	202	100	1	100	1	2	100	0	0	0	151	H	83	M	76	H
4195	189	189	100	1	100	1	2	70	0	0	0	144	H	92	M	65	M
4196	0	0	0	1	0	98	1	0	0	0	0	0	L	23	L	0	L
4197	100	100	100	1	100	23	1	1	0	0	0	100	M	127	M	25	M
4198	101	101	48	1	100	80	1.5	200	0	0	0	75	M	40	L	82	H
4352	0	0	15	99	0	92	1	100	0	0	0	8	L	15	L	25	L

Allotment Number	ALTERNATIVE 3 Indicators (factors)													Estimated Levels Total Score in Category, and rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2500	0	0	0	50	0	92	1	0	0	0	0	L	20	L	0	L
2501	36	36	100	1	100	16	0.25	112	0	75	0	M	75	M	37	M
2503	30	30	0	100	0	86	1	100	0	0	0	L	58	M	32	M
2504	0	0	0	50	0	85	1	0	0	0	0	L	20	L	0	L
2505	0	0	0	55	100	54	1	0	0	0	0	L	72	M	0	L
2506	0	0	0	70	0	84	1	0	0	100	0	L	19	L	25	L
2507	0	0	0	50	0	98	1	100	0	0	0	L	18	L	25	L
2508	0	0	0	10	0	63	1	14	0	0	0	L	90	M	3	L
2509	123	23	100	1	79	48	2	15	48	0	0	M	77	M	21	L
2511	100	100	0	100	0	91	2	72	0	0	0	M	13	L	43	M
2512	7	7	100	1	36	1	0.25	16	0	75	0	M	144	M	6	L
2513	41	41	43	20	0	78	1.5	23	0	0	0	M	19	L	16	L
2514	2	2	0	1	0	1	0.25	4	100	0	0	L	174	H	27	M
2515	0	0	0	70	0	95	1	100	0	0	0	L	17	L	25	L
2516	0	0	100	1	100	1	0.25	100	0	75	0	M	113	M	25	L
2517	0	0	0	50	0	97	1	100	0	0	0	L	18	L	25	M
2518	46	6	100	1	100	1	1	0	82	0	0	M	121	M	22	L
2520	50	50	100	1	83	23	1	42	0	75	0	M	85	M	23	L
2521	126	26	85	1	47	64	2	32	0	0	0	M	59	M	14	L
2522	138	38	100	1	66	43	2	40	0	0	0	H	83	M	19	L
2524	0	0	0	10	0	92	1	0	0	0	0	L	22	L	0	L
2525	0	0	0	1	0	1	0.25	100	0	0	0	L	179	H	25	L
2526	0	0	4	1	0	50	0.25	100	0	0	0	L	84	M	25	L
2528	0	0	36	50	0	63	1	100	100	0	0	L	57	M	50	M
2529	0	0	0	20	0	27	0.25	0	0	0	0	L	93	M	0	L

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2530	0	0	0	1	0	2	0.25	0	0	0	0	L	100	M	0	L
2531	125	66	100	1	100	1	2	100	0	75	0	H	83	M	42	M
2532	1	1	0	30	0	84	1	49	0	75	0	L	18	L	13	L
2533	161	77	100	1	100	1	2	100	0	75	0	H	75	M	44	M
2534	0	0	0	75	0	92	1	0	0	0	0	L	19	L	0	L
2535	108	37	31	70	100	91	2	0	0	75	0	M	39	L	9	L
2536	78	3	100	1	100	1	1	0	0	0	0	M	133	M	1	L
2537	10	10	100	1	100	1	0.25	72	0	75	0	M	116	M	21	L
2538	136	41	100	1	100	1	2	33	0	0	0	H	112	M	18	L
2539	0	0	0	60	0	88	1	0	0	0	0	L	20	L	0	L
2540	52	52	0	100	0	96	2	79	0	0	0	L	14	L	33	M
2541	100	0	100	30	75	90	1.5	1	38	0	0	M	12	L	10	L
2543	0	0	0	1	0	73	1	0	0	0	0	L	23	L	0	L
2544	17	17	20	80	38	87	1	100	0	75	0	L	12	L	29	M
2545	2	2	100	1	2	1	0.25	66	0	0	0	M	161	H	17	L
2546	0	0	0	50	100	98	1	0	0	0	0	L	17	L	0	L
2547	0	0	100	1	100	1	0.25	0	0	20	0	M	151	H	5	L
2548	0	0	0	90	0	98	1	0	0	0	0	L	18	L	0	L
2549	0	0	96	1	0	30	0.25	0	72	0	0	M	77	M	18	L
2551	39	39	4	95	100	18	0.25	100	0	0	0	L	52	L	35	M
2553	113	13	100	50	0	83	1.5	12	0	0	0	M	55	L	6	L
2554	0	0	100	1	100	28	0.25	100	100	0	0	M	51	L	50	M
2555	36	36	37	100	0	92	1	58	0	0	0	M	14	L	24	L
2556	61	61	44	20	0	73	1.5	72	0	75	0	M	15	L	33	M
2557	0	0	0	80	0	86	1	0	0	0	0	L	19	L	0	L

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2558	0	0	100	1	0	1	0.25	42	0	0	50	M	167	H	31	M
2559	0	0	0	50	0	86	1	0	87	0	0	L	18	L	22	L
2560	44	44	54	90	100	78	1.5	42	0	75	49	M	9	L	22	L
2561	82	42	100	1	100	49	1	98	89	75	91	M	32	L	57	M
2562	39	39	71	50	100	72	1	11	100	0	55	M	11	L	37	M
2563	0	0	0	1	0	17	0.25	41	95	0	0	L	83	M	34	M
2564	0	0	0	70	100	83	1	100	0	40	0	L	14	L	35	M
2565	0	0	0	100	100	73	1	81	0	0	0	L	13	L	20	L
2566	0	0	0	50	100	98	1	0	0	0	0	L	17	L	0	L
2567	0	0	100	40	0	51	1	51	0	0	50	M	70	M	13	L
2568	0	0	0	50	0	76	1	69	0	0	0	L	19	L	17	L
2569	11	11	64	20	0	52	1	89	0	75	37	M	64	M	25	L
2570	5	5	100	20	44	47	0.25	53	0	75	53	M	59	M	15	L
2571	96	96	0	1	0	1	1	84	0	60	48	M	160	H	60	M
2572	145	47	100	1	78	31	2	47	9	0	122	H	52	L	26	M
2573	0	0	0	85	0	98	1	0	0	0	0	L	18	L	0	L
2574	0	0	0	80	0	89	1	0	0	0	0	L	19	L	0	L
2575	0	0	3	60	100	99	1	100	100	0	2	L	11	L	50	M
2576	0	0	0	80	0	98	1	100	0	0	0	L	16	L	25	L
2577	10	10	20	1	0	22	0.25	100	0	75	15	L	75	M	27	M
2578	0	0	0	1	0	8	0.25	94	0	0	0	L	90	M	24	L
2579	100	100	83	1	0	65	1.5	100	0	0	91	M	92	M	50	M
2581	65	0	58	60	100	82	1.5	0	0	0	61	M	13	L	0	L
2583	100	100	20	20	0	88	1.5	100	0	0	60	M	16	L	50	M
2584	14	10	100	1	2	1	0.25	7	19	0	57	M	166	H	9	L

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
2585	0	0	0	60	0	91	1	100	0	0	0	0	L 17	L 25
2586	0	0	46	70	0	78	1	75	0	0	0	23	L 16	L 19
2587	0	0	100	1	64	35	0.25	1	101	75	0	50	M 55	M 26
2588	24	24	62	20	0	67	1	0	0	75	0	43	M 18	L 6
2589	0	0	0	100	0	99	1	100	0	0	0	0	L 15	L 25
2590	187	93	100	1	100	16	2	100	0	75	0	143	H 66	M 48
2591	128	32	100	1	87	61	2	39	25	0	0	114	H 49	L 24
2592	200	100	51	30	100	58	2	100	0	75	0	125	H 41	L 50
2593	0	0	0	50	0	1	0.25	0	100	0	0	0	L 156	H 25
2594	100	100	6	1	100	98	2	95	0	0	0	53	M 14	L 49
2595	53	53	72	80	100	56	1.5	40	0	75	0	63	M 38	L 23
2596	0	0	0	80	0	95	1	0	0	0	0	0	L 19	L 0
2597	85	53	100	1	7	1	1	42	0	0	0	93	M 145	M 24
2598	18	18	100	1	63	1	0.25	17	0	0	0	59	M 152	H 9
2599	0	0	0	80	0	92	1	23	0	0	0	0	L 18	L 6
2600	0	0	0	30	0	60	1	0	0	0	0	0	L 88	M 0
2601	0	0	0	90	0	88	1	0	0	0	0	0	L 18	L 0
2603	0	0	0	30	0	88	1	0	0	0	0	0	L 21	L 0
2604	3	3	0	1	0	47	0.25	31	0	75	0	1	L 83	M 8
2605	0	0	0	70	0	98	1	68	0	0	0	0	L 17	L 17
2606	0	0	0	50	0	97	1	0	0	0	0	0	L 20	L 0
2607	0	0	0	1	0	58	1	0	23	0	60	0	L 91	M 21
2608	100	50	100	1	73	1	1	1	8	0	0	100	M 132	M 14
2609	29	0	100	1	100	13	0.25	100	20	75	0	65	M 99	M 30
2611	0	0	84	50	100	79	1	0	0	0	0	42	M 15	L 0
2612	0	0	0	50	0	99	1	0	0	0	0	0	L 20	L 0

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological	
2613	0	0	0	70	0	98	1	100	100	0	0	L 14	L 50	
2614	22	22	100	1	100	48	0.25	0	45	0	0	M 126	M 17	
2616	0	0	0	70	0	91	1	0	0	0	0	L 19	L 0	
2617	35	35	0	10	0	83	1	53	0	75	0	L 18	L 22	
2619	128	43	100	1	43	1	2	35	0	75	0	H 109	M 20	
2620	0	0	0	70	0	98	1	0	0	0	0	L 19	L 0	
2621	0	0	0	20	0	71	1	100	0	0	0	L 20	L 25	
2622	0	0	4	60	0	94	1	100	0	0	2	L 17	L 25	
2623	38	36	100	1	96	1	0.25	0	0	0	69	M 143	M 9	
2624	61	61	12	90	100	96	2	100	0	75	0	M 8	L 40	
2625	0	0	0	10	0	46	0.25	100	0	0	0	L 83	M 25	
2626	0	0	0	30	0	79	1	100	100	0	0	L 16	L 50	
2627	7	7	92	50	100	43	0.25	95	100	0	49	M 40	L 50	
2628	95	95	71	1	85	1	1	86	0	0	83	M 122	M 50	
2629	39	15	100	1	53	6	0.25	13	64	0	70	M 67	M 23	
2630	100	100	7	100	43	94	2	0	0	75	0	M 11	L 25	
2631	79	0	100	1	92	79	1.5	0	100	0	90	M 47	L 25	
2632	0	0	0	90	0	96	1	0	0	0	0	L 18	L 0	
2633	21	21	100	1	100	1	0.25	93	0	75	0	M 110	M 29	
2634	0	0	0	60	100	73	1	0	0	0	0	L 17	L 0	
2635	100	100	0	98	0	83	1.5	100	0	0	50	M 13	L 50	
2636	4	4	12	40	0	95	1	20	0	0	8	L 20	L 6	
2637	80	80	12	90	67	88	1.5	25	0	75	0	M 11	L 26	
2639	0	0	36	75	10	58	1	0	99	0	18	L 62	M 25	
2641	0	0	8	100	0	98	1	100	0	0	4	L 59	M 25	

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)					
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
2642	0	0	100	50	0	1	0.25	83	0	0	60	50	M	139	M	36	M
2644	100	100	0	1	0	18	1	100	0	0	0	50	M	76	M	50	M
2645	10	10	44	10	0	1	0.25	82	0	0	0	27	L	166	H	23	L
2646	0	0	0	70	0	78	1	100	0	0	0	0	L	68	M	25	L
2648	44	44	70	30	100	82	1.5	30	0	0	0	57	M	14	L	18	L
2649	161	93	35	80	0	98	2	0	0	75	0	98	M	10	L	23	L
2651	39	0	0	100	0	98	1	0	0	0	0	19	L	16	L	0	L
2653	0	0	0	70	0	98	1	0	0	0	0	0	L	19	L	0	L
2655	0	0	0	70	0	83	1	20	0	0	0	0	L	19	L	5	L
2656	121	40	28	50	0	94	2	0	0	75	0	74	M	13	L	10	L
2657	0	0	0	50	0	98	1	100	0	0	0	0	L	18	L	25	L
2659	200	100	40	60	100	83	2	100	0	0	0	120	H	7	L	50	M
2660	0	0	16	99	0	91	1	196	0	0	0	8	L	12	L	49	M
2661	100	100	0	1	0	56	1.5	0	0	0	0	50	M	82	M	25	L
2662	9	9	100	80	0	1	0.25	22	24	0	0	54	M	131	M	14	L
2663	0	0	0	30	0	58	1	0	0	0	0	0	L	88	M	0	L
2664	0	0	0	90	0	98	1	100	0	0	0	0	L	62	M	25	L
2665	0	0	0	100	0	98	1	0	0	0	0	0	L	18	L	0	L
2667	0	0	100	10	0	64	1	28	0	0	0	50	M	77	M	7	L
2669	100	100	16	1	0	87	1.5	100	0	0	60	58	M	17	L	65	H
2670	0	0	0	50	0	87	1	0	0	0	0	0	L	20	L	0	L
2671	23	23	72	50	100	67	1	100	0	75	0	48	M	10	L	31	M
2672	0	0	0	80	0	91	1	0	49	0	0	0	L	17	L	12	L
4001	19	19	100	50	0	1	0.25	163	0	75	0	60	M	101	M	46	M
4003	22	22	100	85	9	1	0.25	135	0	0	0	61	M	107	M	39	M

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
4007	0	0	100	50	0	1	0.25	160	0	75	0	50	106	M	40	M
4009	31	31	100	50	0	1	0.25	193	99	75	0	65	68	M	81	H
4012	0	0	11	75	100	89	1	100	0	0	0	6	13	L	25	L
4013	0	0	0	100	0	96	1	100	0	0	0	0	15	L	25	L
4014	0	0	8	95	100	87	1	100	0	0	0	4	49	L	25	L
4015	149	149	100	1	100	27	2	103	0	0	0	125	46	L	63	H
4016	0	0	100	1	100	1	0.25	11	0	0	0	50	149	M	3	L
4020	52	11	100	1	100	1	1	236	0	0	0	76	92	M	62	M
4028	85	85	20	55	42	1	1	186	0	0	0	52	53	L	68	H
4029	69	69	100	1	100	1	1	154	28	0	0	85	86	M	56	M
4035	0	0	68	1	0	66	1	100	0	0	0	34	150	M	25	L
4036	0	0	0	100	0	33	0.25	31	17	0	0	0	72	M	12	L
4038	0	0	100	1	0	1	0.25	188	0	0	0	50	138	M	47	M
4039	0	0	4	100	0	96	1	100	0	0	0	2	15	L	25	L
4040	0	0	0	50	0	93	1	100	0	0	0	0	18	L	25	L
4041	3	3	100	1	100	1	0.25	169	100	0	80	51	93	M	88	H
4042	53	53	29	50	100	75	1.5	100	0	0	0	41	12	L	38	M
4043	0	0	32	1	0	47	0.25	195	0	0	0	16	72	M	49	M
4044	0	0	100	50	0	1	0.25	200	0	0	100	50	116	M	75	H
4049	0	0	100	1	100	1	0.25	224	0	0	0	50	107	M	56	M
4050	0	0	0	100	0	87	1	100	0	0	0	0	15	L	25	L
4052	31	31	100	1	100	1	0.25	197	0	0	0	65	105	M	57	M
4056	0	0	22	50	0	90	1	91	0	0	0	11	69	M	23	L
4058	0	0	0	1	0	63	1	0	0	0	0	0	140	M	0	L
4061	0	0	0	70	0	1	0.25	89	0	75	0	0	68	M	22	L

Allotment Number	ALTERNATIVE 3 Indicators (factors)										Estimated Levels Total Score in Category, and rating (Low, Moderate, High)			
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
4064	0	0	4	100	100	98	1	0	0	0	0	2	L 14	L 0
4065	0	0	63	1	0	33	0.25	100	0	75	0	32	L 70	M 25
4066	0	0	36	45	0	24	0.25	51	0	75	0	18	L 70	M 13
4067	39	39	12	98	0	1	0.25	164	0	0	0	25	L 116	M 51
4068	1	1	100	10	0	1	0.25	174	0	75	0	50	M 119	M 44
4072	0	0	0	40	0	47	0.25	0	0	0	0	0	L 87	M 0
4074	85	85	100	50	100	83	1.5	129	0	0	20	93	M 35	L 58
4075	0	0	4	1	0	96	1	14	0	0	0	2	L 22	L 4
4076	8	8	100	1	0	1	0.25	230	68	100	0	54	M 111	M 102
4078	0	0	0	100	0	93	1	200	0	0	0	0	L 13	L 50
4080	0	0	39	95	0	48	0.25	100	0	0	0	20	L 62	M 25
4082	0	0	8	100	0	93	1	125	78	0	0	4	L 12	L 51
4083	70	70	12	70	100	78	1.5	100	0	0	0	41	M 12	L 42
4086	0	0	100	1	100	1	0.25	111	0	75	0	50	M 111	M 28
4087	0	0	93	50	100	1	0.25	113	0	75	0	47	M 93	M 28
4093	0	0	0	100	100	90	1	0	94	0	0	0	L 12	L 24
4095	0	0	100	1	0	1	0.25	63	0	0	0	50	M 163	H 16
4099	13	0	4	100	0	96	1	94	0	0	0	9	L 15	L 24
4103	55	55	100	1	0	1	1	225	0	0	0	77	M 117	M 70
4104	33	33	24	100	0	61	1	100	0	0	0	29	L 57	M 33
4106	96	96	0	100	0	66	1.5	200	0	0	0	48	M 42	L 74
4107	0	0	0	60	0	83	1	98	0	0	0	0	L 70	M 25
4108	0	0	32	50	100	56	1	0	0	0	0	16	L 69	M 0
4109	0	0	14	90	0	83	1	100	0	0	0	7	L 15	L 25
4115	0	0	5	90	0	96	1	72	0	0	0	3	L 65	M 18

Allotment Number	ALTERNATIVE 3 Indicators (factors)										Estimated Levels Total Score in Category, and rating (Low, Moderate, High)					
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
4119	4	4	89	50	0	1	0.25	205	0	0	46	M	117	M	52	M
4120	17	17	100	1	100	1	0.25	185	100	75	58	M	69	M	75	H
4122	37	37	0	40	0	79	1	200	0	0	18	L	15	L	59	M
4124	93	0	100	1	0	1	1	211	0	0	97	M	111	M	53	M
4125	127	127	100	1	100	48	2	100	0	0	114	H	70	M	57	M
4127	0	0	23	52	0	67	1	100	0	0	12	L	70	M	25	L
4131	0	0	100	1	26	1	0.25	174	0	0	50	M	134	M	44	M
4135	0	0	4	50	0	94	1	200	0	0	2	L	15	L	50	M
4139	1	1	100	1	100	1	0.25	126	4	0	50	M	103	M	32	M
4145	16	16	100	1	7	1	0.25	134	52	75	58	M	113	M	50	M
4151	0	0	100	1	0	1	0.25	30	0	75	50	M	151	H	8	L
4154	0	0	100	1	0	1	0.25	200	0	0	50	M	135	M	50	M
4155	13	13	0	1	0	76	1	100	0	0	6	L	20	L	28	M
4156	25	25	100	50	0	1	0.25	143	0	0	62	M	121	M	42	M
4159	0	0	0	100	0	96	1	0	0	0	0	L	18	L	0	L
4160	0	0	39	10	0	69	1	100	0	0	20	L	19	L	25	L
4163	0	0	76	1	100	58	1	265	0	0	38	M	70	M	66	H
4164	9	9	100	1	100	1	0.25	300	100	0	54	M	65	M	102	H
4184	0	0	0	100	0	92	1	200	0	0	0	L	13	L	50	M
4186	47	47	92	1	0	17	1	200	0	0	70	M	61	M	62	M
4190	2	2	100	1	100	1	0.25	200	42	0	51	M	80	M	50	M
4191	1	0	0	100	0	78	1	60	0	0	0	L	17	L	15	L
4192	79	79	100	20	100	1	1	125	0	0	89	M	81	M	51	M
4193	124	124	100	1	100	1	2	100	0	0	112	M	83	M	56	M
4195	102	102	100	1	100	1	1	70	0	0	101	M	92	M	43	M

Allotment Number	ALTERNATIVE 3 Indicators (factors)											Estimated Levels Total Score in Category, and rating (Low, Moderate, High)					
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
4196	0	0	0	1	0	98	1	0	0	0	0	0	L	23	L	0	L
4197	0	0	100	1	100	1	0.25	1	0	0	0	50	M	123	M	0	L
4198	1	1	48	1	100	73	1	200	25	0	0	25	L	39	L	50	M
4352	0	0	15	99	0	92	1	100	0	0	0	8	L	15	L	25	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)													Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2500	0	0	0	50	0	92	1	0	0	0	0	L	20	L	0	L
2501	36	36	100	1	100	16	0.25	112	0	75	0	H	75	M	37	H
2503	30	30	0	100	0	86	1	100	0	0	0	L	58	M	32	H
2504	0	0	0	50	0	85	1	0	0	0	0	L	20	L	0	L
2505	0	0	0	55	100	54	1	0	0	0	0	L	72	M	0	L
2506	0	0	0	70	0	84	1	0	0	100	0	L	19	L	25	L
2507	0	0	0	50	0	98	1	100	0	0	0	L	18	L	25	L
2508	0	0	0	10	0	63	1	14	0	0	0	L	90	M	3	L
2509	123	23	100	1	79	48	2	15	48	0	0	H	77	M	21	L
2511	100	100	0	100	0	91	2	72	0	0	0	M	13	L	43	H
2512	7	7	100	1	36	1	0.25	16	0	75	0	H	144	M	6	L
2513	41	41	43	20	0	78	1.5	23	0	0	0	M	19	L	16	L
2514	2	2	0	1	0	1	0.25	4	100	0	0	L	174	H	27	M
2515	0	0	0	70	0	95	1	100	0	0	0	L	17	L	25	L
2516	0	0	100	1	100	1	0.25	100	0	75	0	M	113	M	25	L
2517	0	0	0	50	0	97	1	100	0	0	0	L	18	L	25	M
2518	46	6	100	1	100	1	1	0	82	0	0	H	121	M	22	L
2520	50	50	100	1	83	23	1	42	0	75	0	H	85	M	23	L
2521	126	26	85	1	47	64	2	32	0	0	0	H	59	M	14	L
2522	138	38	100	1	66	43	2	40	0	0	0	H	83	M	19	L
2524	0	0	0	10	0	92	1	0	0	0	0	L	22	L	0	L
2525	0	0	0	1	0	1	0.25	100	0	0	0	L	179	H	25	L
2526	0	0	4	1	0	50	0.25	100	0	0	0	L	84	M	25	L
2528	0	0	36	50	0	63	1	100	100	0	0	L	57	M	50	H
2529	0	0	0	20	0	27	0.25	0	0	0	0	L	93	M	0	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
2530	0	0	0	1	0	2	0.25	0	0	0	0	L	100	M	0	L
2531	125	66	100	1	100	1	2	100	0	75	0	H	83	M	42	H
2532	1	1	0	30	0	84	1	49	0	75	0	L	18	L	13	L
2533	161	77	100	1	100	1	2	100	0	75	0	H	75	M	44	H
2534	0	0	0	75	0	92	1	0	0	0	0	L	19	L	0	L
2535	108	37	31	70	100	91	2	0	0	75	0	H	39	L	9	L
2536	78	3	100	1	100	1	1	0	0	0	0	H	133	M	1	L
2537	10	10	100	1	100	1	0.25	72	0	75	0	H	116	M	21	L
2538	136	41	100	1	100	1	2	33	0	0	0	H	112	M	18	L
2539	0	0	0	60	0	88	1	0	0	0	0	L	20	L	0	L
2540	52	52	0	100	0	96	2	79	0	0	0	L	14	L	33	H
2541	100	0	100	30	75	90	1.5	1	38	0	0	H	12	L	10	L
2543	0	0	0	1	0	73	1	0	0	0	0	L	23	L	0	L
2544	17	17	20	80	38	87	1	100	0	75	0	L	12	L	29	M
2545	2	2	100	1	2	1	0.25	66	0	0	0	H	161	H	17	L
2546	0	0	0	50	100	98	1	0	0	0	0	L	17	L	0	L
2547	0	0	100	1	100	1	0.25	0	0	20	50	M	151	H	5	L
2548	0	0	0	90	0	98	1	0	0	0	0	L	18	L	0	L
2549	0	0	96	1	0	30	0.25	0	72	0	48	M	77	M	18	L
2551	39	39	4	95	100	18	0.25	100	0	0	21	L	52	L	35	H
2553	113	13	100	50	0	83	1.5	12	0	0	107	H	55	L	6	L
2554	0	0	100	1	100	28	0.25	100	100	0	50	M	51	L	50	H
2555	36	36	37	100	0	92	1	58	0	0	37	M	14	L	24	L
2556	61	61	44	20	0	73	1.5	72	0	75	53	H	15	L	33	H
2557	0	0	0	80	0	86	1	0	0	0	0	L	19	L	0	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
2558	0	0	100	1	0	1	0.25	42	0	0	50	167	H	31
2559	0	0	0	50	0	86	1	0	87	0	0	18	L	22
2560	44	44	54	90	100	78	1.5	42	0	75	49	9	L	22
2561	82	42	100	1	100	49	1	98	89	75	91	32	L	57
2562	39	39	71	50	100	72	1	11	100	0	55	11	L	37
2563	0	0	0	1	0	17	0.25	41	95	0	0	83	M	34
2564	0	0	0	70	100	83	1	100	0	40	0	14	L	35
2565	0	0	0	100	100	73	1	81	0	0	0	13	L	20
2566	0	0	0	50	100	98	1	0	0	0	0	17	L	0
2567	0	0	100	40	0	51	1	51	0	0	50	70	M	13
2568	0	0	0	50	0	76	1	69	0	0	0	19	L	17
2569	11	11	64	20	0	52	1	89	0	75	37	64	M	25
2570	5	5	100	20	44	47	0.25	53	0	75	53	59	M	15
2571	96	96	0	1	0	1	1	84	0	60	48	160	H	60
2572	145	47	100	1	78	31	2	47	9	0	122	52	L	26
2573	0	0	0	85	0	98	1	0	0	0	0	18	L	0
2574	0	0	0	80	0	89	1	0	0	0	0	19	L	0
2575	0	0	3	60	100	99	1	100	100	0	2	11	L	50
2576	0	0	0	80	0	98	1	100	0	0	0	16	L	25
2577	10	10	20	1	0	22	0.25	100	0	75	15	75	M	27
2578	0	0	0	1	0	8	0.25	94	0	0	0	90	M	24
2579	100	100	83	1	0	65	1.5	100	0	0	91	92	M	50
2581	65	0	58	60	100	82	1.5	0	0	0	61	13	L	0
2583	100	100	20	20	0	88	1.5	100	0	0	60	16	L	50
2584	14	10	100	1	2	1	0.25	7	19	0	57	166	H	9

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
2585	0	0	0	60	0	91	1	100	0	0	0	L	L	L
2586	0	0	46	70	0	78	1	75	0	0	23	L	L	L
2587	0	0	100	1	64	35	0.25	1	101	75	0	H	M	M
2588	24	24	62	20	0	67	1	0	0	75	0	M	L	L
2589	0	0	0	100	0	99	1	100	0	0	0	L	L	L
2590	187	93	100	1	100	16	2	100	0	75	0	H	M	H
2591	128	32	100	1	87	61	2	39	25	0	0	H	L	L
2592	200	100	51	30	100	58	2	100	0	75	0	H	L	H
2593	0	0	0	50	0	1	0.25	0	100	0	0	L	H	L
2594	100	100	6	1	100	98	2	95	0	0	53	H	L	H
2595	53	53	72	80	100	56	1.5	40	0	75	0	H	L	L
2596	0	0	0	80	0	95	1	0	0	0	0	L	L	L
2597	85	53	100	1	7	1	1	42	0	0	93	H	M	L
2598	18	18	100	1	63	1	0.25	17	0	0	59	H	H	L
2599	0	0	0	80	0	92	1	23	0	0	0	L	L	L
2600	0	0	0	30	0	60	1	0	0	0	0	L	M	L
2601	0	0	0	90	0	88	1	0	0	0	0	L	L	L
2603	0	0	0	30	0	88	1	0	0	0	0	L	L	L
2604	3	3	0	1	0	47	0.25	31	0	75	0	L	M	L
2605	0	0	0	70	0	98	1	68	0	0	0	L	L	L
2606	0	0	0	50	0	97	1	0	0	0	0	L	L	L
2607	0	0	0	1	0	58	1	0	23	0	0	L	M	L
2608	100	50	100	1	73	1	1	1	8	0	100	H	M	L
2609	29	0	100	1	100	13	0.25	100	20	75	0	H	M	M
2611	0	0	84	50	100	79	1	0	0	0	42	M	L	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)			
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological	
2612	0	0	0	50	0	99	1	0	0	0	0	L	20	L	0
2613	0	0	0	70	0	98	1	100	100	0	0	L	14	L	50
2614	22	22	100	1	100	48	0.25	0	45	0	0	H	126	M	17
2616	0	0	0	70	0	91	1	0	0	0	0	L	19	L	0
2617	35	35	0	10	0	83	1	53	0	75	0	L	18	L	22
2619	128	43	100	1	43	1	2	35	0	75	0	H	109	M	20
2620	0	0	0	70	0	98	1	0	0	0	0	L	19	L	0
2621	0	0	0	20	0	71	1	100	0	0	0	L	20	L	25
2622	0	0	4	60	0	94	1	100	0	0	0	L	17	L	25
2623	38	36	100	1	96	1	0.25	0	0	0	0	H	143	M	9
2624	61	61	12	90	100	96	2	100	0	75	0	M	8	L	40
2625	0	0	0	10	0	46	0.25	100	0	0	0	L	83	M	25
2626	0	0	0	30	0	79	1	100	100	0	0	L	16	L	50
2627	7	7	92	50	100	43	0.25	95	100	0	0	M	40	L	50
2628	95	95	71	1	85	1	1	86	0	0	20	H	122	M	50
2629	39	15	100	1	53	6	0.25	13	64	0	0	H	67	M	23
2630	100	100	7	100	43	94	2	0	0	75	0	H	11	L	25
2631	79	0	100	1	92	79	1.5	0	100	0	0	H	47	L	25
2632	0	0	0	90	0	96	1	0	0	0	0	L	18	L	0
2633	21	21	100	1	100	1	0.25	93	0	75	0	H	110	M	29
2634	0	0	0	60	100	73	1	0	0	0	0	L	17	L	0
2635	100	100	0	98	0	83	1.5	100	0	0	0	M	13	L	50
2636	4	4	12	40	0	95	1	20	0	0	0	L	20	L	6
2637	80	80	12	90	67	88	1.5	25	0	75	0	M	11	L	26
2639	0	0	36	75	10	58	1	0	99	0	0	L	62	M	25

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
2641	0	0	8	100	0	98	1	100	0	0	4	L	M	25
2642	0	0	100	50	0	1	0.25	83	0	60	50	M	M	36
2644	100	100	0	1	0	18	1	100	0	0	50	M	M	50
2645	10	10	44	10	0	1	0.25	82	0	0	27	L	H	23
2646	0	0	0	70	0	78	1	100	0	0	0	L	M	25
2648	44	44	70	30	100	82	1.5	30	0	0	57	H	L	18
2649	161	93	35	80	0	98	2	0	75	0	98	H	L	23
2651	39	0	0	100	0	98	1	0	0	0	19	L	L	0
2653	0	0	0	70	0	98	1	0	0	0	0	L	L	0
2655	0	0	0	70	0	83	1	20	0	0	0	L	L	5
2656	121	40	28	50	0	94	2	0	75	0	74	H	L	10
2657	0	0	0	50	0	98	1	100	0	0	0	L	L	25
2659	200	100	40	60	100	83	2	100	0	0	120	H	L	50
2660	0	0	16	99	0	91	1	196	0	0	8	L	L	49
2661	100	100	0	1	0	56	1.5	0	0	0	50	M	M	25
2662	9	9	100	80	0	1	0.25	22	24	0	54	H	M	14
2663	0	0	0	30	0	58	1	0	0	0	0	L	M	0
2664	0	0	0	90	0	98	1	100	0	0	0	L	M	25
2665	0	0	0	100	0	98	1	0	0	0	0	L	L	0
2667	0	0	100	10	0	64	1	28	0	0	50	M	M	7
2669	100	100	16	1	0	87	1.5	100	0	60	58	H	L	65
2670	0	0	0	50	0	87	1	0	0	0	0	L	L	0
2671	23	23	72	50	100	67	1	100	0	75	48	M	L	31
2672	0	0	0	80	0	91	1	0	49	0	0	L	L	12
4001	19	19	100	50	0	1	0.25	163	0	75	60	H	M	46

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
4003	22	22	100	85	9	1	0.25	135	0	0	0	61	107	M	39	H
4007	0	0	100	50	0	1	0.25	160	0	75	0	50	106	M	40	H
4009	31	31	100	50	0	1	0.25	193	99	75	0	65	68	M	81	H
4012	0	0	11	75	100	89	1	100	0	0	0	6	13	L	25	L
4013	0	0	0	100	0	96	1	100	0	0	0	0	15	L	25	L
4014	0	0	8	95	100	87	1	100	0	0	0	4	49	L	25	L
4015	241	241	100	1	100	27	2	103	0	0	0	170	51	L	86	H
4016	0	0	100	1	100	1	0.25	11	0	0	0	50	149	M	3	L
4020	52	11	100	1	100	1	1	236	0	0	0	76	92	M	62	H
4028	85	85	20	55	42	1	1	186	0	0	0	52	53	L	68	H
4029	100	100	100	1	100	1	1	154	28	0	0	100	90	M	71	H
4035	0	0	68	1	0	66	1	100	0	0	0	34	150	M	25	L
4036	0	0	0	100	0	33	0.25	31	17	0	0	0	72	M	12	L
4038	0	0	100	1	0	1	0.25	188	0	0	0	50	138	M	47	H
4039	0	0	4	100	0	96	1	100	0	0	0	2	15	L	25	L
4040	0	0	0	50	0	93	1	100	0	0	0	0	18	L	25	L
4041	3	3	100	1	100	1	0.25	169	100	0	80	51	93	M	88	H
4042	74	74	29	50	100	75	1.5	100	0	0	0	51	12	L	43	H
4043	0	0	32	1	0	47	0.25	195	0	0	0	16	72	M	49	H
4044	0	0	100	50	0	1	0.25	200	0	0	100	50	116	M	75	H
4049	0	0	100	1	100	1	0.25	224	0	0	0	50	107	M	56	H
4050	0	0	0	100	0	87	1	100	0	0	0	0	15	L	25	L
4052	31	31	100	1	100	1	0.25	197	0	0	0	65	105	M	57	H
4056	0	0	22	50	0	90	1	91	0	0	0	11	69	M	23	L
4058	0	0	0	1	0	63	1	0	0	0	0	0	140	M	0	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)													Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)			
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological			
4061	0	0	0	70	0	1	0.25	89	0	75	0	0	L	68	M	22	L
4064	0	0	4	100	100	98	1	0	0	0	0	2	L	14	L	0	L
4065	0	0	63	1	0	33	0.25	100	0	75	0	32	L	70	M	25	L
4066	0	0	36	45	0	24	0.25	51	0	75	0	18	L	70	M	13	L
4067	39	39	12	98	0	1	0.25	164	0	0	0	25	L	116	M	51	H
4068	1	1	100	10	0	1	0.25	174	0	75	0	50	H	119	M	44	H
4072	0	0	0	40	0	47	0.25	0	0	0	0	0	L	87	M	0	L
4074	85	85	100	50	100	83	1.5	129	0	0	20	93	H	35	L	58	H
4075	0	0	4	1	0	96	1	14	0	0	0	2	L	22	L	4	L
4076	8	8	100	1	0	1	0.25	230	68	0	100	54	H	111	M	102	H
4078	0	0	0	100	0	93	1	200	0	0	0	0	L	13	L	50	H
4080	0	0	39	95	0	48	0.25	100	0	0	0	20	L	62	M	25	L
4082	0	0	8	100	0	93	1	125	78	0	0	4	L	12	L	51	H
4083	70	70	12	70	100	78	1.5	100	0	0	0	41	M	12	L	42	H
4086	0	0	100	1	100	1	0.25	111	0	75	0	50	M	111	M	28	M
4087	0	0	93	50	100	1	0.25	113	0	75	0	47	M	93	M	28	M
4093	0	0	0	100	100	90	1	0	94	0	0	0	L	12	L	24	L
4095	0	0	100	1	0	1	0.25	63	0	0	0	50	M	163	H	16	L
4099	13	0	4	100	0	96	1	94	0	0	0	9	L	15	L	24	L
4103	55	55	100	1	0	1	1	225	0	0	0	77	H	117	M	70	H
4104	33	33	24	100	0	61	1	100	0	0	0	29	L	57	M	33	H
4106	96	96	0	100	0	66	1.5	200	0	0	0	48	M	42	L	74	H
4107	0	0	0	60	0	83	1	98	0	0	0	0	L	70	M	25	L
4108	0	0	32	50	100	56	1	0	0	0	0	16	L	69	M	0	L
4109	0	0	14	90	0	83	1	100	0	0	0	7	L	15	L	25	L

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)		
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological
4115	0	0	5	90	0	96	1	72	0	0	3	65	M	18
4119	4	4	89	50	0	1	0.25	205	0	0	46	117	M	52
4120	17	17	100	1	100	1	0.25	185	100	75	58	69	M	75
4122	37	37	0	40	0	79	1	200	0	0	18	15	L	59
4124	93	0	100	1	0	1	1	211	0	0	97	111	M	53
4125	203	203	100	1	100	48	2	100	0	0	151	73	M	76
4127	0	0	23	52	0	67	1	100	0	0	12	70	M	25
4131	0	0	100	1	26	1	0.25	174	0	0	50	134	M	44
4135	0	0	4	50	0	94	1	200	0	0	2	15	L	50
4139	93	93	100	1	100	1	1	126	4	0	97	103	M	56
4145	16	16	100	1	7	1	0.25	134	52	75	58	113	M	50
4151	0	0	100	1	0	1	0.25	30	0	75	50	151	H	8
4154	0	0	100	1	0	1	0.25	200	0	0	50	135	M	50
4155	13	13	0	1	0	76	1	100	0	0	6	20	L	28
4156	25	25	100	50	0	1	0.25	143	0	0	62	121	M	42
4159	0	0	0	100	0	96	1	0	0	0	0	18	L	0
4160	0	0	39	10	0	69	1	100	0	0	20	19	L	25
4163	0	0	76	1	100	58	1	265	0	0	38	70	M	66
4164	9	9	100	1	100	1	0.25	300	100	0	54	65	M	102
4184	0	0	0	100	0	92	1	200	0	0	0	13	L	50
4186	47	47	92	1	0	17	1	200	0	0	70	61	M	62
4190	90	90	100	1	100	1	1	200	42	0	95	80	M	83
4191	1	0	0	100	0	78	1	60	0	0	0	17	L	15
4192	159	159	100	20	100	1	2	125	0	0	130	81	M	71
4193	202	202	100	1	100	1	2	100	0	0	151	83	M	76

Allotment Number	ALTERNATIVE 4 Indicators (factors)											Estimated Levels Total Score in Category, and Rating (Low, Moderate, High)				
	SMA Soc	SMA E	Recreation	Waiting List	Seasonal	Forage	Admin Efficiency	Wildlife	ESA Fish	S&Gs D	S&Gs E	Social	Demand	Ecological		
4195	189	189	100	1	100	1	2	70	0	0	144	H	92	M	65	H
4196	0	0	0	1	0	98	1	0	0	0	0	L	23	L	0	L
4197	100	100	100	1	100	1	1	1	0	0	100	H	127	M	25	M
4198	101	101	48	1	100	73	1.5	200	25	0	75	H	40	L	82	H
4352	0	0	15	99	0	92	1	100	0	0	8	L	15	L	25	L



# Appendix K: Recreation Management Areas

## Overview

Two types of Recreation Management Areas are identified in the land use plan for BLM lands: Special Recreation Management Areas (SRMAs) and Extensive Recreation Management Areas (ERMAs). This appendix only discusses SRMAs. Chapter 2 identifies management actions pertaining to ERMAs.

## Managing Recreation Resources for Beneficial Outcomes

This appendix briefly describes the foundation for Benefits Based Management and its application to recreation management. It then summarizes proposed implementation direction for Special Recreation Management Areas in the John Day Basin planning area. General plan direction for each SRMA is detailed in Chapter 2.

The purpose of Benefits Based Recreation (BBR) management is to provide opportunities for visitors to participate in a variety of quality non-motorized and motorized recreation opportunities within specific areas of public lands referred to as Special Recreation Management Areas (SRMA). SRMAs are areas where BLM will focus management and development of facilities, if necessary for public health and safety.

BLM guidance in the BLM planning Handbook H-1610-1 requires the application of a BBR protocol to SRMAs, involving the identification of the Recreation Niche Objectives, Setting, and Actions to help visitors experience quality recreation activities and experiences. Identifying the Appropriate Marketing Strategy is also required for each SRMA, ranging from “Undeveloped” (no marketing at all), or “Community” (working with local communities), or “Designation” (working with state or national markets to bring in visitors outside the area or region).

Within each SRMA, one or more Recreation Management Zones (RMZs) may also be identified. RMZs are “nested” in SRMAs and are usually smaller areas in SRMAs where specific recreation activities occur. RMZs are identified when different opportunities and management exist within the same SRMA boundary. Bridge Creek, North Fork and South Fork of the John Day River are the only SRMAs having one or more RMZs within a SRMA boundary.

Within each SRMA, BLM has also identified related land use allocations that interact with the recreation setting of an area, such as a proposed Off-Highway Vehicle designation, or Visual Resource Management Class. These actions, along with proposed recreation setting combine to influence the type and quality of recreation opportunities and experiences.

The recreation setting can be defined along a continuum ranging from primitive to urban. The planning area contains settings ranging from primitive to rural. Setting character is directly influenced and determined by the management, marketing, and administrative actions of BLM and other recreation-tourism providers. Those actions and the resulting setting character also affect and actually determine the kinds of recreation opportunities being produced.

There are three broad recreation settings categories. The settings include:

- **Physical** – considers the resources and facilities
- **Social** – looks at visitor use
- **Administrative** – management controls and services

The classifications further define the settings within a range of “Primitive” to “Urban”. A brief description of the classification is as follows:

- **Primitive (P)** – The landscape is relatively undisturbed with few signs of human presence. Very few encounters with other visitors occur. Regulations and information will normally be posted prior to entering this zone and agency presence is very rare.
- **Back Country (BC)** – The landscape is more natural and the limited improvements tend to blend with the environment. Access does not include motorized vehicles and signing and agency presence is scarce.
- **Middle Country (MC)** – The landscape is natural in appearance with some modifications not highly noticeable. Visitors will encounter other groups utilizing the area, but agency presence is random. Information and signing are present.
- **Front Country (FC)** – The landscape is partially modified with visitors prevalent and agency personnel periodically available. Rules and information are clearly posted.
- **Rural (R)** – Includes a substantially modified landscape with visitors dispersed throughout and a prominent level of agency presence and regulation.
- **Urban** – Not found within the planning area.

Benefits based recreation management objectives focus on specific experiences and beneficial outcomes from recreation activities. In the following pages, these benefits-based management objectives have been written in a one page summary for each SRMA: the John Day River, South and North Forks of the John Day River, Bridge Creek, and Little Canyon Mountain Special Recreation Management Areas (SRMAs).

Public lands along the John Day River will continue to be managed under the 2003 BLM John Day Wild & Scenic River Management Plan. Prescribed Setting descriptions for river segments from Tumwater Falls to Monument (Segments 1, 2, 3, 4, and 6), are from the John Day Wild & Scenic River Management Plan. River Segment 5 is not mentioned because no public lands exist along this river segment.

Each summary identifies proposed marketing, recreation niche, outcome objectives, targeted recreation opportunities, character settings and land use allocations from other resource programs. SRMA specific implementing actions for each SRMA will be contained in the implementation plan for this RMP.

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties		Undeveloped
<b>John Day River Segment 1 Recreation Management Zone</b> (Tumwater Falls to Cottonwood Bridge)		
<b>RMZ MARKET NICHE</b>		
In the River Zone, visitors engage in day or overnight river based recreation opportunities such as steelhead and bass fishing, rafting, canoeing and kayaking in a scenic river canyon environment. In the Upland Zone, visitors engage in day use, upland bird and deer hunting, photography and sightseeing; in the future, overnight camping in a developed State Park facility.		
<b>RMZ OUTCOME OBJECTIVE</b>		
Within the River Zone, visitors engage in water-based day use and overnight activities, year-round land-based day uses, boat-in camping, fishing, hiking, sightseeing, photography and wildlife observation experiences. Within the Upland Zone, visitors engage in diverse non-motorized activities such as hiking, upland bird and big game hunting experiences. Both zones provide opportunities for friends and family to participate in scenic water based activities as well as upland recreation experiences in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e., 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b> (See final BLM John Day WSR Plan and LAC Study)		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Steelhead fishing</li> <li>• Bass fishing</li> <li>• Upland bird &amp; big game hunting</li> <li>• Major watercraft take-out for upriver floaters</li> <li>• Driving for pleasure Seasonal motorized boating (Oct. 1 – Apr.30)</li> </ul>	<ul style="list-style-type: none"> <li>• Fishing for pleasure</li> <li>• Being close to nature</li> <li>• Pursue upland birds and challenging big game hunting during seasons</li> <li>• Being with family and friends in a river canyon &amp; upland landscape</li> <li>• Enjoying solitude and/or river canyon scenery while participating in a favorite recreation activity.</li> <li>• Enjoying physical exercise</li> </ul>	<p><b>Personal:</b> Greater appreciation for family and friends and natural landscapes. Greater environmental awareness with family &amp; friends.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship.</p> <p><b>Environmental:</b> Increased awareness and compliance for protection of natural landscapes.</p> <p><b>Economic:</b> Increased desirability as a place to visit. Increased contributions to local and regional economy.</p>

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties	Undeveloped	
<b>John Day River Segment 1 Recreation Management Zone</b> (Tumwater Falls to Cottonwood Bridge)		
<b>PRESCRIBED SETTING CHARACTER: Routed Natural River</b>		
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>
<p><b>Remoteness:</b> Moderate evidence of the sights and sounds of humans. Opportunities for challenge in a natural environment but less expectation of risk.</p> <p><b>Naturalness:</b> Alterations to the landscape are subtle. Natural characteristics remain dominant. Moderate evidence of human development. Impoundments, diversions or channel modifications may be evident.</p> <p><b>Facilities:</b> Rustic facilities developed for resource protection and to accommodate visitor use. Rustic facilities providing some comfort for the user as well as site protection. Use native materials but with more refinement in design. Synthetic materials should not be evident.</p>	<p><b>Social Encounters:</b> Moderate use occurs – contact with others is expected and occasionally continual, with some chance for isolation. Some evidence of other users. Moderate to high contact with other users, particularly at rapids and access points. Moderate to high contact on access roads. Moderate to low contact on trails and at developed sites.</p> <p><b>Visitor Impacts:</b> Natural ecosystems may be modified by human use. Human impacts obvious but subordinate. Sites may be subtly hardened to accommodate motorized use.</p>	<p><b>Visitor Management:</b> A few on-site visitor management controls or regulations may be expected. Contact with management personnel is frequent. On guided trips, visitors perceive a moderate to low degree of challenge and risk. On-site regimentation and controls are noticeable but harmonize with the natural environment. Simple information facilities.</p>
<b>Related Management Prescriptions</b>		
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>John Day WSR Plan:</b> Provide public access to river for fishing and rafting, kayaking, boating, emphasizing river-related activities consistent with John Day River Plan. Provide seasonal motorized boating opportunities Oct. 1 – Apr. 30 annually. Seek viable partnership opportunities with user groups, and County and State agencies to provide stated recreation opportunities and help maintain existing public access along the John Day River.</p> <p><b>OHV:</b> Alternative 1: Open. All other alternatives: Limited.</p> <p><b>VRM:</b> Class II for all alternatives.</p>	

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, Wheeler, and Grant counties		Undeveloped
<b>John Day River Segment 2 Recreation Management Zone</b> (Cottonwood Bridge to Clarno)		
<b>RMZ MARKET NICHE</b>		
In the River Zone, visitors engage in day or overnight river based recreation opportunities, primarily rafting, canoeing, kayaking, bass and steelhead fishing, and camping in a rugged, scenic river canyon environment. In the Upland Zone, visitors engage in e hiking, upland, water fowl (upriver from Thirtymile) deer and big horn sheep hunting, photography and sightseeing. Visitors value these primitive landscapes and enjoy challenging recreation activities with friends and family.		
<b>RMZ OUTCOME OBJECTIVE</b>		
Within the River Zone, visitors engage in year round water-based day use and overnight activities, rafting, canoeing, kayaking, camping, fishing for smallmouth bass and steelhead, wildlife watching, photography, hiking, sightseeing, and swimming experiences. Within the Upland Zone, visitors engage in non-motorized activities such as chukar, deer and big horn sheep hunting and hiking experiences. Visitors enjoy and value primitive, unconfined recreation activities with family and friends in a predominately undeveloped and rugged setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b> (See final BLM John Day WSR Plan and LAC Study)		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Rafting, canoeing, kayaking</li> <li>• Bass fishing</li> <li>• Steelhead fishing</li> <li>• Chukar, deer, and big horn sheep hunting,</li> <li>• Wildlife watching</li> <li>• Photography</li> <li>• Swimming</li> <li>• Camping</li> </ul>	<ul style="list-style-type: none"> <li>• River floating through a highly scenic and rugged primitive basalt river canyon</li> <li>• Being close to nature</li> <li>• Challenging big game hunting</li> <li>• Bass/steelhead fishing for pleasure</li> <li>• Being with family and friends in a river canyon and upland landscape</li> <li>• Enjoying solitude while participating in a favorite recreation activity.</li> <li>• Enjoying physical exercise</li> </ul>	<p><b>Personal:</b> Improved physical fitness; stronger ties with family and friends, improved mental well-being, greater environmental awareness for river canyon environment.</p> <p><b>Community/Social:</b> Greater family bonding, improved image of land management agencies, enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Increased awareness and compliance for protection of natural landscapes.</p> <p><b>Economic:</b> Increased desirability as a place to visit. Increased contributions to local and regional economy.</p>

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, Wheeler, and Grant counties		Undeveloped	
<b>John Day River Segment 2 Recreation Management Zone</b> (Cottonwood Bridge to Clarno)			
<b>PRESCRIBED SETTING CHARACTER: Semi-Primitive Non-Motorized</b>			
<b>Physical</b>		<b>Social</b>	
<p><b>Remoteness:</b> Few trailed access sites along the river. Fairly high expectation of experiencing isolation from the sights and sounds of humans. Fairly high sense of remoteness. Self-reliance through application of outdoor skills in an environment that offers a high to moderate degree of challenge and risk. Out of sight and sound of human activity. Sense of commitment to river trip and perception of no return.</p> <p><b>Naturalness:</b> Largely undisturbed natural environment. Little evidence of development. No impoundments, diversions or channel modifications.</p> <p><b>Facilities:</b> Minimal facility development primarily for resource protection. Parties on river responsible for human waste disposal and leave no trace camping practices. No facilities for user comfort. Rustic and rudimentary facilities for site protection only. Native material only.</p>		<p><b>Social Encounters:</b> Few contacts with other users, primarily at rapids and access points. Little, but some evidence of other users. Small party size. Very few contacts while on the river (no more than 5.) No more than one other party within sight or sound of a campsite.</p> <p><b>Visitor Impacts:</b> Natural ecosystems operate freely. Human impacts are generally limited to campsites of small to moderate size. Unnoticeable impacts, no site hardening or modification of camp areas.</p>	
<p><b>Administrative</b></p> <p><b>Visitor Management:</b> Only a few subtle on-site visitor management controls or regulations are apparent. Contact with management personnel is occasional. On guided trips, visitors perceive a high to moderate degree of challenge and risk. Low regimentation. No on-site controls or information facilities.</p>			
<b>Related Management Prescriptions</b>			
<p><b>Recreation, Travel, and Visual Resource Management</b></p>	<p><b>John Day WSR Plan:</b> Provide primitive, non-motorized public access to river for fishing and rafting, kayaking, boating, camping in river area, emphasizing non-motorized river-related activities consistent with John day River Plan and LAC Study. Seek viable partnership opportunities with user groups, private landowners, County and State agencies to provide stated recreation opportunities. Monitor river and upland visitor satisfaction based on stated John Day Plan and LAC. Physical, social and managerial LAC Indicators and Standards for this river segment.</p> <p><b>OHV:</b> Closed to OHV use under all alternatives.</p> <p><b>Visual Resource Management:</b> WSAs are VRM Class I under all alternatives; remaining public lands vary from Class II to Class III.</p>		

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, Wheeler, and Grant counties		Undeveloped
<b>John Day River Segment 3 Recreation Management Zone</b> (Clarno (RM109) to Service Creek (RM157))		
<b>RMZ MARKET NICHE</b>		
In the River Zone, visitors engage in day or overnight river based recreation opportunities such as steelhead and bass fishing, rafting, canoeing, kayaking, and camping in a scenic river canyon with or without an adjacent road. In the Upland Zone, visitors engage in hiking, upland bird, deer and elk hunting, photography, sightseeing, driving for pleasure and vehicle or walk-in camping in authorized dispersed areas and at the BLM Priest Hole Recreation Site and Service Creek.		
<b>RMZ OUTCOME OBJECTIVE</b>		
Within the River Zone, visitors engage in water-based day use and overnight activities, year-round land-based day and overnight uses camping, fishing, hiking, sightseeing, photography and wildlife observation experiences. In the Upland Zone, visitors engage in diverse recreation activities such as hiking, upland bird, deer and elk hunting, sightseeing, driving for pleasure and camping experiences in authorized dispersed areas and at the Priest Hole BLM Recreation Site and Service Creek. Both zones provide opportunities for friends and family to participate in scenic water based activities as well as upland recreation experiences in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b> (Final BLM John Day WSR Plan and LAC Study)		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Bass fishing</li> <li>• Steelhead fishing</li> <li>• Upland waterfowl and deer or elk hunting</li> <li>• Camping</li> <li>• Seasonal Motorized Boating (Oct. 1 – Apr. 30)</li> </ul>	<ul style="list-style-type: none"> <li>• Being close to nature</li> <li>• Challenging big game hunting</li> <li>• Fishing for pleasure</li> <li>• Being with family and friends in a river canyon and upland landscape</li> <li>• Enjoying solitude and/or river canyon scenery while participating in a favorite recreation activity</li> <li>• Enjoying physical exercise</li> </ul>	<p>Personal: Improved physical fitness, stronger ties with family &amp; friends; improved mental well-being, greater environmental awareness.</p> <p>Community/Social: Greater family bonding, improved image of land management agencies, enlarged sense of community dependency and value of public lands.</p> <p>Environmental: Increased awareness and need to protect natural landscapes and greater environmental stewardship.</p> <p>Economic: Increased desirability as a place to visit. Increased contributions to local and regional economy.</p>

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, Wheeler, and Grant counties	Undeveloped	
<b>John Day River Segment 3 Recreation Management Zone</b> (Clarno (RM109) to Service Creek (RM157))		
<b>PRESCRIBED SETTING CHARACTER: Roaded Natural</b>		
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>
<p><b>Remoteness:</b> Moderate evidence of the sights and sounds of humans. Opportunity for challenge in a natural setting but low expectation of risk.</p> <p><b>Naturalness:</b> Alterations to the landscape are subtle. Natural characteristics remain dominant. Moderate evidence of human development. Impoundments, diversions or channel modifications may be evident.</p> <p><b>Facilities:</b> Rustic facilities developed for resource protection and to accommodate visitor use. Rustic facilities providing some comfort for the user as well as site protection. Use native materials but with more refinement in design. Synthetic materials should not be evident.</p>	<p><b>Social Encounters:</b> Moderate use occurs. Contact with others is expected and occasionally continual; some chance for isolation. Some evidence of other users. Moderate to high contact with other users, particularly at rapids and access points. Moderate to high contact on access roads. Moderate to low contact on trails and at developed sites.</p> <p><b>Visitor Impacts:</b> Natural ecosystems may be modified by human use. Human impacts obvious but subordinate. Sites may be subtly hardened to accommodate motorized use.</p>	<p><b>Visitor Management:</b> A few on-site visitor management controls or regulations may be expected. Contact with management personnel is frequent. On guided trips, visitors perceive a moderate to low degree of challenge and risk. On-site regimentation and controls are noticeable but harmonize with the natural environment. Simple information facilities.</p>
<b>Related Management Prescriptions</b>		
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>John Day WSR Plan:</b> Provide public access to river for fishing and rafting, kayaking, boating, emphasizing river-related activities consistent with John Day River Plan. Seek viable partnership opportunities with user groups, and County and State agencies to provide stated recreation opportunities and help maintain existing public access along the John Day River. Apply administrative actions to maintain Roaded Natural River recreation experiences in River and Uplands consistent with John Day River Plan and LAC Study. Administrative actions include, but are not limited to: identifying camping, boat launch, and boater registration areas. Partnering with the National Park Service to provide consistent interpretative information. Occasional on-site presence.</p> <p><b>OHV:</b> Alternative 1: Open. All other alternatives: Limited.</p> <p><b>VRM:</b> Class II for all other alternatives.</p>	

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties	Undeveloped	
<b>John Day River Segment 4 Recreation Management Zone</b> (Service Creek to Dayville)		
<b>RMZ MARKET NICHE</b>		
Visitors drive for pleasure. Dispersed camping on BLM lands, overnight camping opportunities at Mule Shoe: bass and steelhead fishing, boating, wildlife and scenic landscape viewing, photography, swimming, tubing, and picnicking at the BLM Shady Grove Picnic Area.		
<b>RMZ OUTCOME OBJECTIVE</b>		
Visitor drive for pleasure. Viewing and photographing scenic geologic land formations on BLM and NPS public lands. Some visitors engage in bird and big game hunting experiences. Within the River Zone area, visitors raft from Kimberly to Service Creek, fish, day-use, and some engage in overnight vehicle camping at the BLM Mule Shoe campground, have boat-in camping experiences, or picnics at the BLM Shady Grove Picnic Site. The river and upland areas provide opportunities for friends and family to participate in upland and water based activities in a predominately roadside setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b> (Final BLM John Day WSR Plan and LAC Study)		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Driving for pleasure</li> <li>• Sightseeing</li> <li>• Vehicle and boat-in camping</li> <li>• Steelhead fishing</li> <li>• Bass fishing</li> <li>• Upland bird and big game hunting</li> <li>• Watercraft access points</li> <li>• Natural landscape views</li> <li>• Education and interpretation of historic, geologic, and paleontological resources</li> <li>• Motor boating</li> </ul>	<ul style="list-style-type: none"> <li>• Driving and sightseeing for pleasure</li> <li>• Geologic study</li> <li>• Photography</li> <li>• Camping and picnics</li> <li>• Being with family and friends in a river canyon &amp; roadside landscape</li> <li>• Enjoying river canyon scenery while participating in a favorite recreation activity</li> <li>• Enjoying physical exercise</li> </ul>	<p><b>Personal:</b> Greater appreciation for family and friends and natural landscapes. Greater environmental awareness with family and friends.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship.</p> <p><b>Environmental:</b> Increased awareness and compliance for protection of natural landscapes.</p> <p><b>Economic:</b> Increased desirability as a place to visit. Increased contributions to local and regional economy.</p>

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties	Undeveloped	
<b>John Day River Segment 4 Recreation Management Zone</b> (Service Creek to Dayville)		
<b>PRESCRIBED SETTING CHARACTER: Rural</b>		
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>
<p><b>Access:</b> Some parallel roads, bridges, and power lines evident. Highway vehicle and off-road vehicle use is consistent and may be seen from the river. Limited public access due to private land.</p> <p><b>Remoteness:</b> Evidence of sights and sounds of humans common from other river user, traffic, and agricultural activity. Distant sight and/or sound of human activity.</p> <p><b>Naturalness:</b> Modified landscape having both human-made and natural features. Evidence of human development prevalent. Impoundments, diversions or channel modifications may be evident.</p> <p><b>Facilities:</b> Some development for resource protection, visitor comfort due to number of visitors. Sites developed to provide health/ sanitation. Land-based recreation facility development more prevalent. Some synthetic materials may be used.</p>	<p><b>Social Encounters:</b> Contact with others expected, including frequent interface between river users and shore users. Frequent evidence of other users. Frequent interface between river users and shore users. Moderate to high contact with other river users.</p> <p><b>Visitor Impacts:</b> Ecosystems are modified by human use. Human impacts obvious. Site hardening provided to minimize impacts and to provide for user convenience.</p>	<p><b>Visitor Management:</b> Visitor management controls are visible and expected. Contact with management personnel is frequent. On guided trips visitors perceive a low degree of challenge and risk. Regimentation and controls obvious and numerous, but harmonious. More complex information facilities.</p>
<b>Related Management Prescriptions</b>		
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>John Day WSR Plan:</b> Provide public access for fishing and rafting, kayaking, boating, consistent with John Day River Plan. Seek viable partnership opportunities with user groups, County and State agencies to provide stated recreation opportunities and help maintain existing public access along the John Day River. Apply administrative actions to maintain Rural Developed recreation experiences in River and Uplands consistent with John Day River Plan and LAC Study. Administrative actions include, but not limited to partnering with the National Park Service to provide consistent interpretative information. Occasional on-site presence.</p> <p><b>OHV:</b> Alternative 1: Open. All other alternatives: Limited.</p> <p><b>VRM:</b> Class II</p>	

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties	Undeveloped	
<b>John Day River Segment 6 Recreation Management Zone</b> (Kimberly to Monument)		
<b>RMZ MARKET NICHE</b>		
Visitors drive for pleasure. Overnight camping opportunities at Lone Pine and Big Bend BLM Campgrounds; bass and steelhead fishing, boating, wildlife and scenic landscape viewing, photography, swimming, tubing, and picnicking at the BLM Monument picnic/boat take-out/put-in area.		
<b>RMZ OUTCOME OBJECTIVE</b>		
Visitor drive for pleasure on State Highway 402 along the John Day River. Some visitors engage in bird and big game hunting experiences in the uplands where limited public land exists. Within the River Zone area, visitors raft from Kimberly to Monument, fish, day-use, and some engage in overnight vehicle camping at the BLM Lone Pine and Bid Bend campgrounds, or have boat-in camping experiences, or picnics at the BLM Monument Picnic Site. The river and upland areas provide opportunities for friends and family to participate in upland and water based activities in a predominately roadside setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b> (Final BLM John Day WSR Plan)		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Driving for pleasure</li> <li>• Sightseeing</li> <li>• Vehicle and boat-in camping</li> <li>• Steelhead fishing</li> <li>• Bass fishing</li> <li>• Day use</li> <li>• Upland bird and big game hunting</li> <li>• Watercraft access</li> <li>• Natural landscape view</li> <li>• Motorized boating</li> </ul>	<ul style="list-style-type: none"> <li>• Driving and sightseeing for pleasure</li> <li>• Photography</li> <li>• Camping and picnics</li> <li>• Being with family and friends in a river canyon and roadside landscape</li> <li>• Enjoying river canyon scenery while participating in a favorite recreation activity</li> </ul>	<p><b>Personal:</b> Greater appreciation for family and friends and natural landscapes. Greater environmental awareness with family &amp; friends.</p> <p><b>Community/Social:</b> Enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Greater retention of distinctive natural landscapes.</p> <p><b>Economic:</b> Contribution to local economy.</p>
<b>PRESCRIBED SETTING CHARACTER: Rural</b>		

## John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>	<b>SRMA MARKET</b>	
Local communities in Sherman, Gilliam, Umatilla, Morrow, Wasco, and Wheeler counties	Undeveloped	
<b>John Day River Segment 6 Recreation Management Zone</b> (Kimberly to Monument)		
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>
<p><b>Access:</b> Some parallel roads, bridges and power lines evident. Highway vehicle and off-road vehicle use is consistent and may be seen from the river. Limited public access due to private land.</p> <p><b>Remoteness:</b> Evidence of sights and sounds of humans common from other river users and from people off the river. Distant sight and/or sound of human activity.</p> <p><b>Naturalness:</b> Modified landscape having both human-made and natural features. Evidence of human development prevalent. Impoundments, diversions or channel modifications may be evident.</p> <p><b>Facilities:</b> Some facility development for resource protection, visitor comfort and number of visitors. Specific sites developed to provide health/sanitation. Land-based recreation facility development more prevalent. Some synthetic materials may be used.</p>	<p><b>Social Encounters:</b> Contact with others expected, including frequent interface between river users and shore users. Frequent evidence of other users. Frequent interface between river users and shore users. Moderate to high contact with other river users.</p> <p><b>Visitor Impacts:</b> Ecosystems are modified by human use. Human impacts obvious. Site hardening provided to minimize impacts and to provide for user convenience.</p>	<p><b>Visitor Management:</b> Visitor management controls are visible and expected. Contact with management personnel is frequent. On guided trips, visitors perceive a low degree of challenge and risk. Regimentation and controls obvious and numerous, but harmonious. More complex information facilities.</p>
<b>Related Management Prescriptions</b>		
<p><b>Recreation, Travel, and Visual Resource Management</b></p>	<p><b>John Day WSR Plan:</b> Provide public access to river for fishing and rafting, kayaking, boating, consistent with John Day River Plan. Maintain existing public access along the John Day River. Continue to provide recreation opportunities on public lands and pull-outs along State Highway 402. Pursue partnerships with the local communities to identify land and water-based recreation opportunities on BLM public lands, emphasizing "Leave No Trace" and "Tread Lightly" principles. Look for opportunities to interpret natural history and past historical events in the area, such as the historic use of a route between Kimberly and Monument.</p> <p><b>OHV:</b> Alternative 1: Open. All other alternatives: Limited.</p> <p><b>VRM:</b> Class II for all alternatives.</p>	

## South Fork John Day River Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY	SRMA MARKET	
Local communities in Grant and Wheeler counties	Community	
River and Upland Recreation Management Zones (RMZs)		
MARKET NICHE		
<p>In the River Zone, visitors engage in day or overnight river based recreation opportunities such as fishing, day-use, and camping in a scenic river canyon environment. In the Upland Zone, visitors engage in day use and overnight camping, hunting, hiking, mountain bike, horseback riding, and seasonal Class I, II and III motorized use activities. Recreation activities within the Aldrich Mountain WSA are managed to protect wilderness character and provide primitive, unconfined recreation opportunities such as big game hunting, hiking and back-country exploration.</p>		
OUTCOME OBJECTIVE		
<p>Within the River Zone, visitors engage in water-based day use and overnight activities, year-round land-based day and overnight uses, camping, fishing and driving for pleasure experiences. Within the Upland Zone, visitors engage in diverse non-motorized experiences such as hiking, horseback trail experiences, and big game hunting within the Aldrich Mountain WSA. In other upland areas, visitors engage in these activities and seasonal motorized trail Class I, II and III trail and route riding experiences. Both Recreation Management Zones provide opportunities for friends and family to participate in water based activities in the River Zone, as well as non-motorized and motorized trail experiences in the Upland Zone, in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)</p>		
TARGETED OPPORTUNITIES AND OUTCOMES; River/Upland Zones		
Activity Opportunities	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes
<p><b>River RMZ:</b> Day-use, fishing, hiking camping, driving for pleasure, wildlife viewing and photography.</p> <p><b>Upland RMZ:</b> Hiking, mountain bike, and horseback trail riding, big game hunting and seasonal motorized trail Class I, II and III trail and route riding. Primitive Recreation in the Aldrich Mtn. WSA.</p>	<ul style="list-style-type: none"> <li>• Being in a relatively natural landscape</li> <li>• Viewing scenic landscapes</li> <li>• Pursue upland bird and big game during hunting seasons</li> <li>• Fishing for pleasure</li> <li>• Viewing wild horses</li> <li>• Being with family and friends in a river canyon and upland landscape</li> <li>• Finding solitude while participating in a favorite recreation activity</li> <li>• Different types of physical exercise</li> </ul>	<p><b>Personal:</b> Greater appreciation for natural landscapes and environmental awareness.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship. Increased involvement in recreation and land use decisions.</p> <p><b>Environmental:</b> Increased awareness of “Leave No Trace” and “Tread Lightly” practices on public lands.</p> <p><b>Economic:</b> Increased desirability as a place to visit or work. Positive contributions to local and regional economy.</p>

## South Fork John Day River Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET	
Local communities in Grant and Wheeler counties		Community	
River and Upland Recreation Management Zones (RMZs)			
PRESCRIBED SETTING CHARACTER: Middle Country			
Physical	Social		Administrative
<p><b>River Remoteness:</b> On or near improved gravel roads, but at least ½ mile from highways (FC).</p> <p><b>Upland Remoteness:</b> On or near motorized routes but at least ½ mile from all improved roads, through they may be in sight (MC).</p> <p><b>River Naturalness:</b> Landscape partially modified by roads/trails, utility lines, etc., but none overpower natural landscape features (FC).</p> <p><b>Upland Naturalness:</b> Naturally-appearing landscapes except for obvious motorized routes (MC).</p> <p><b>River Facilities:</b> Maintained and marked trails, simple trailhead developments, improved signs, and very basic toilets (MC).</p> <p><b>Upland Facilities:</b> Some primitive trails made of native materials such as log bridges and carved wooden signs (BC).</p>	<p><b>River Contacts:</b> 15-29 encounters/day off travel routes and 30 or more encounters/day on routes (FC).</p> <p><b>Upland Contacts:</b> 7-14 encounters/day off travel routes (e.g., Staging Areas) and 15-29 encounters/day on route (MC).</p> <p><b>River Group Size:</b> 13-25 per group (FC).</p> <p><b>Upland Group Size:</b> 7-12 people per group (MC).</p> <p><b>River Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with compacted soils observed. Sounds of people regularly heard (FC).</p> <p><b>Upland Evidence of Use:</b> Small areas altered. Vegetation showing wear with some bare soils. Sounds of people occasionally heard (MC).</p>		<p><b>River Mechanized Use:</b> Two-wheel drive vehicles predominant, but also four wheel drives and non-motorized, mechanized use (FC).</p> <p><b>Upland Mechanized Use:</b> Four wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>River and Upland Visitor Services:</b> Basic Maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>River and Upland Management Controls:</b> Occasional regulatory signing. Motorized and mechanized use restrictions. Random enforcement presence (MC).</p>
Related Management Prescriptions for River and Upland RMZs			
<p><b>Recreation, Travel, and Visual Resource Management</b></p>	<p><b>Recreation and Travel Management:</b> OHV use is limited to designated routes with seasonal restrictions in all alternatives.</p> <p><b>Visual Resource Management:</b> For all alternatives, VRM Class II along the South Fork John Day River. VRM Class IV in the Uplands away from the South fork John Day River. VRM Class I in Aldrich Mountain WSA.</p>		

## North Fork John Day River Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET
Local communities in Grant, Umatilla, Morrow, and Wheeler Counties		Community
River and Upland Recreation Management Zones		
MARKET NICHE		
<p>In the River Zone, visitors engage in day or overnight river based recreation opportunities such as fishing, rafting, canoeing, kayaking, day-use, camping and driving for pleasure in a scenic river canyon environment. In the Upland Zone, visitors engage in day use and overnight camping, upland and big game hunting, hiking, mountain bike, horseback riding, and seasonal Class I, II and III motorized use activities.</p>		
OUTCOME OBJECTIVE		
<p>Within the River Zone, visitors engage in water-based day use and overnight activities, year-round land-based day and overnight uses, river floating, camping, fishing, and driving for pleasure experiences. Within the Upland Zone, visitors engage in diverse non-motorized activities such as hiking, mountain bike, and horseback trail experiences, big game hunting and seasonal motorized trail Class I, II and III trail and route riding experiences. Provide opportunities for friends and family to participate in water based activities in the River Zone, as well as non-motorized and motorized trail experiences in the Upland Zone in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale; 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)</p>		
TARGETED OPPORTUNITIES AND OUTCOMES		
Activity Opportunities	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes
<p><b>River RMZ:</b> Day-use, fishing, rafting, canoeing, kayaking, motored boating, camping, hiking, driving for pleasure.</p> <p><b>Upland RMZ:</b> Hiking, mountain bike, and horseback trail experiences, big game hunting and seasonal motorized Class I, II and III trail and route riding.</p>	<ul style="list-style-type: none"> <li>• Explore the landscape</li> <li>• Viewing scenic landscapes</li> <li>• Pursue upland bird and big game during hunting seasons</li> <li>• Fishing for pleasure</li> <li>• Being with family and friends in a river canyon and upland landscape</li> <li>• Finding solitude while participating in a favorite recreation activity</li> <li>• Opportunities for different types of physical exercise</li> </ul>	<p><b>Personal:</b> Greater awareness of natural landscapes and environmental awareness.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship. Increased involvement in recreation and land use decisions.</p> <p><b>Environmental:</b> Increased awareness of "Leave No Trace" and "Tread Lightly" practices on public lands</p> <p><b>Economic:</b> Increased desirability as a place to visit, live or retire. Positive contributions to local and regional economy.</p>

## North Fork John Day River Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Local communities in Grant, Umatilla, Morrow, and Wheeler Counties		Community	
<b>River and Upland Recreation Management Zones</b>			
<b>PRESCRIBED SETTING CHARACTER: Middle Country</b>			
<b>Physical (River/Upland)</b>		<b>Social (River/Upland)</b>	
<p><b>River Remoteness:</b> On or near motorized routes but at least ½ mile from all improved roads, through they may be in sight (MC).</p> <p><b>Upland Remoteness:</b> More than ½ mile from any kind of motorized route/use area, but not as distant as 3 miles (BC).</p> <p><b>River and Upland Naturalness:</b> Naturally-appearing landscapes except for obvious motorized routes (MC).</p> <p><b>River Facilities:</b> Maintained and marked trails, simple trailhead developments, improved signs and very basic toilets (MC).</p> <p><b>Upland River Facilities:</b> Maintained and marked trails, simple trailhead developments, improved signs, and very basic toilets (MC).</p> <p><b>Upland Facilities:</b> Some primitive trails made of native materials such as log bridges and carved wooden signs (BC).</p>		<p><b>River and Upland Contacts:</b> 7-14 encounters/day off travel routes (e.g., Staging Areas) and 15-29 encounters/day on route (MC).</p> <p><b>River and Upland Group Size:</b> 7 -12 people group (MC).</p> <p><b>River Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with compacted soils observed. Sounds of people regularly heard (FC).</p> <p><b>Upland Evidence of Use:</b> Small areas of alteration. Surface vegetation showing wear with some bare soils. Sounds of people occasionally heard (BC).</p>	
		<p><b>Administrative (River/Upland)</b></p> <p><b>River Mechanized Use:</b> Two-wheel drive vehicles predominant, but also four wheel drives and non-motorized, mechanized use (FC).</p> <p><b>Upland Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>River Visitor Services:</b> Area brochures and maps, plus area personnel occasional present to provide on-site assistance (MC).</p> <p><b>Upland Visitor Services:</b> Basic Maps, but area personnel seldom available for on-site assistance (BC).</p> <p><b>River and Upland Management Controls:</b> Occasional regulatory signing. Motorized and mechanized use restrictions. Random enforcement presence (MC).</p>	
<b>Related Management Prescriptions for River and Upland RMZs</b>			
<b>Recreation, Travel, and Visual Resource Management</b>		<p><b>Recreation:</b> Two semi-primitive campgrounds proposed in Alternatives 2-5. Developed campgrounds on the North Fork will be seasonally closed from December 1 thru April 15.</p> <p><b>Travel Management:</b> Varies by alternative, but all OHV use is limited to designated routes under all alternatives. All alternatives close OHV use seasonally to protect big game, soil and water. Alternatives 1, 3, and 2 have the most interim routes available for OHV use.</p> <p><b>Visual Resource Management:</b> VRM Class III and IV in Alternative 1. VRM Class II and III in all other alternatives.</p>	

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community
<b>Sutton Mtn.; Pats Cabin WSAs and Wilderness Character Areas Recreation Management Zones</b>		
<b>RMZ MARKET NICHE</b>		
Visitors engage in cross-country hiking and primitive overnight camping, big game and upland hunting, hiking, horseback riding, back-country navigation & exploration, photography and rock and fossil study in steep, challenging terrain. Recreation activities within the Sutton and Pats Cabin WSAs and adjacent areas with wilderness characteristics are managed to protect wilderness character and provide primitive, unconfined recreation opportunities listed above. Visitors value these primitive landscapes and enjoy participating in these challenging recreation activities with friends and family		
<b>RMZ OUTCOME OBJECTIVE</b>		
Visitors engage in cross-country hiking, horseback trail experiences, big game and upland hunting, back-country navigation & exploration, photography and rock/fossil study within the WSAs and areas with wilderness characteristics. Visitors enjoy and value challenging primitive, unconfined recreation activities with family and friends in a predominately undeveloped and rugged setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction..		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b>		
Activity Opportunities	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes
<ul style="list-style-type: none"> <li>• Hiking</li> <li>• Horseback riding</li> <li>• Big game and upland hunting</li> <li>• Back-country exploration</li> <li>• Photography of natural landscapes</li> <li>• Rock and fossil study</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoying physical exercise</li> <li>• Being with family and friends</li> <li>• Enjoying solitude</li> <li>• Enjoying challenging hunting opportunities</li> <li>• Learning more about rocks and fossils</li> <li>• Increasing skills in back-country navigation and trekking</li> <li>• Increased self-confidence</li> <li>• Escaping daily responsibilities</li> </ul>	<p><b>Personal:</b> Improved physical fitness; stronger ties with family &amp; friends, improved mental well-being, greater environmental awareness.</p> <p><b>Community/Social:</b> Greater family bonding, improved image of land management agencies, enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Increased awareness and need to protect natural landscapes and greater environmental stewardship.</p> <p><b>Economic:</b> Positive contribution to local economy.</p>
<b>PRESCRIBED SETTING CHARACTER: Backcountry</b>		
Physical	Social	Administrative
<p><b>Remoteness:</b> More than ½ mile from any kind of motorized route/use area, but not as distant as 3 miles. (BC)</p> <p><b>Naturalness:</b> Naturally-appearing landscape having modifications not readily noticeable. (BC)</p> <p><b>Facilities:</b> None. (P)</p>	<p><b>Contacts:</b> 3-6 encounters/day off travel routes) and 7-15 encounters/day on travel routes. (BC)</p> <p><b>Group size:</b> 7-12 people per group. (BC)</p> <p><b>Evidence of Use:</b> Areas of alteration uncommon. Little surface vegetation wear observed. Sounds of people infrequent. (BC)</p>	<p><b>Mechanized Use:</b> Limited to approximately 4 miles of designated routes.</p> <p><b>Visitor Services:</b> Basic Maps, but area personnel seldom available to provide on-site assistance. (BC)</p> <p><b>Management Controls:</b> Signs at key access points on basic user ethics. May have back country use restrictions. Enforcement presence rare. (BC)</p>

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY	SRMA MARKET
Regional visitors and local residents of Mitchell, Fossil, and Service Creek	Community
<b>Sutton Mtn.; Pats Cabin WSAs and Wilderness Character Areas Recreation Management Zones</b>	
<b>Related Management Prescriptions: Upland RMZs</b>	
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b>                      Sutton Mountain WSA: OHV use limited to designated routes in all alternatives.                      Pat's Cabin WSA: closed to OHV use in all alternatives.                      West Pat's Cabin and Clark Canyon: Closed to OHV use in all alternatives.</p> <p><b>Visual Resource Management:</b>                      Sutton and Pat's Cabin: VRM I for all Alternatives.                      Clark Canyon: VRM Class II for all alternatives.                      West of Pat's Cabin: Alternative 1 is VRM III and all other Alternatives is VRM II.</p>

## Bridge Creek Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community
<b>Sutton Mountain Back Country Byway Recreation Management Zone</b>		
<b>RMZ MARKET NICHE</b>		
By driving or biking around Sutton Mountain on State and County roads, visitors and residents enjoy year-round scenic viewing. By visiting roadside information kiosks at selected locations, visitors learn about its natural history, geology and paleontological features and early settlement history of Bridge Creek. Visitors and local residents see and value wide open spaces and landscapes of the Sutton Mountain, Pat’s Cabin and Painted Hills areas. Visitors enjoy hiking on selected trail routes, and learning about local history and natural features.		
<b>RMZ OUTCOME OBJECTIVE</b>		
The Sutton Mountain Byway provides visitors and residents opportunities to enjoy the scenic beauty of Sutton Mountain, Pat’s Cabin and Painted Hills areas, while also increasing knowledge and appreciation of their natural history and early settlement history. Visitors drive or bike around Sutton Mountain on State and County roads and view open scenic landscapes, stopping to view information at interpretative kiosks along the byway. Visitors enjoy hiking on selected trail routes. Visitors realize a moderate level of satisfaction for two or more recreation activities, i.e., 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.		
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b>		
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>
<ul style="list-style-type: none"> <li>• Driving for pleasure</li> <li>• Photography</li> <li>• Motorcycle and bike touring</li> <li>• Hiking selected trail routes</li> <li>• Natural landscape views</li> <li>• Education and Interpretation of Geologic, Paleontological resources, and historic values</li> </ul>	<ul style="list-style-type: none"> <li>• Opportunities for learning early history of Bridge Creek and natural history</li> <li>• Enjoying open spaces and scenery</li> <li>• Being close to nature</li> <li>• Sharing experiences with all ages of family and friends</li> </ul>	<p><b>Personal:</b> Increased awareness and appreciation for natural landscapes and formation of geologic and paleontological features and early history of the Bridge Creek area.</p> <p><b>Community/Social:</b> Increased community connection to natural processes and historic community “roots”.</p> <p><b>Environmental:</b> Increased awareness for protecting and interpreting of natural landscapes and historic locations.</p> <p><b>Economic:</b> Economic development with local communities and other entities resulting from more visitors to the Byway.</p>

## Bridge Creek Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community	
<b>Sutton Mountain Back Country Byway Recreation Management Zone</b>			
<b>PRESCRIBED SETTING CHARACTER: Rural</b>			
Physical	Social	Administrative	
<p><b>Remoteness:</b> On or near paved primary highways, but still within a rural area. (R)</p> <p><b>Naturalness:</b> Landscape partially modified by roads/trails, utility lines, etc, but none overpower natural landscape features. (FC)</p> <p><b>Facilities:</b> Adjacent or within the vicinity of improved yet modest, rustic facilities such as primitive campsites, basic restrooms, trails and interpretative sign. (FC)</p>	<p><b>Contacts:</b> 30 or more encounters/day on byway during summer months. Less encounters in off-season. (FC)</p> <p><b>Group Size:</b> 13-25 people per group in summer months; less people per group in off-season (FC)</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard. (FC)</p>	<p><b>Mechanized Use:</b> Ordinary highway auto, truck, motorcycle and bike traffic is characteristic. (R)</p> <p><b>Visitor Services:</b> Basic maps, but area personnel seldom available to provide on-site assistance. (BC)</p> <p><b>Management Controls:</b> Signs at key access or pull-out points along byway. Would have motorized use restrictions adjacent to byway. Random law enforcement presence. (BC)</p>	
<b>Related Management Prescriptions</b>			
<b>Recreation, Travel, and Visual Resource Management</b>	<p>Coordinate management with State and County road departments for sustained, year-round use on the Byway and identify safe roadside pull-outs for education and interpretative kiosks. Manage recreation use to ensure no cross-country use occurs off Byway. Manage trail hiking opportunities are available on selected trail routes. Pursue partnerships with local, state, federal agencies and organizations, if consistent with RMZ outcome objectives and management for on and off site education and interpretation of geologic resources, paleontological resources, explorers and early settlers of the Bridge Creek Area.</p>		

## Bridge Creek Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community	
<b>Sand Mountain Recreation Management Zone</b>			
<b>RMZ MARKET NICHE</b>			
Visitors engage in cross-country hiking and primitive overnight camping, big game and upland bird hunting, hiking, horseback riding, photography and rock and fossil study in undulating terrain. Recreation activities within the Sand Mountain area are managed to retain the existing landscape character and provide primitive, unconfined recreation opportunities. Visitors value these primitive landscapes and enjoy participating in these recreation activities with friends and family.			
<b>RMZ OUTCOME OBJECTIVE</b>			
Visitors engage in cross-country hiking, horseback trail experiences, big game and upland bird hunting, and photography. Visitors enjoy and value primitive, unconfined recreation activities with family and friends in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)			
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b>			
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>	
<ul style="list-style-type: none"> <li>• Hiking</li> <li>• Horseback riding</li> <li>• Big game and upland bird hunting</li> <li>• Photography of natural features</li> <li>• Rock and fossil study</li> <li>• Possibly mountain biking</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoying physical exercise</li> <li>• Being with family &amp; friends</li> <li>• Enjoying solitude</li> <li>• Enjoying challenging hunting opportunities</li> <li>• Learning more about rocks and fossils</li> <li>• Escaping daily responsibilities</li> </ul>	<p><b>Personal:</b> Improved physical fitness, stronger ties with family and friends, improved mental well-being, greater environmental awareness.</p> <p><b>Community/Social:</b> Greater family bonding, improved image of land management agencies, enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Increased awareness and need to protect natural landscapes and greater environmental stewardship.</p> <p><b>Economic:</b> Positive contribution to local economy.</p>	
<b>PRESCRIBED SETTING CHARACTER: Backcountry</b>			
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>	
<p><b>Remoteness:</b> More than ½ mile from any kind of motorized route/use area, but not as distant as 3 miles (BC).</p> <p><b>Naturalness:</b> Naturally-appearing landscape except for obvious Juniper treatment areas on landscape (MC).</p> <p><b>Visitor Services:</b> None</p>	<p><b>Contacts with other groups:</b> 3-6 encounters/day off travel routes and 7-15 encounters/day on travel routes (BC).</p> <p><b>Group Size:</b> 4-6 people per group (BC).</p> <p><b>Evidence of Use:</b> Areas of alteration uncommon. Little surface vegetation wear observed. Sounds of people infrequent (BC).</p>	<p><b>Mechanized Use:</b> All non-motorized use; perhaps mountain bike use (BC).</p> <p><b>Visitor Services:</b> Basic maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>Management Controls:</b> Signs at key access points on basic user ethics. May have back country use restrictions. Enforcement presence rare (BC).</p>	
<b>Related Management Prescriptions</b>			
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b> OHV use limited to designated routes in all alternatives.</p> <p><b>Visual Resource Management:</b> VRM Class II in all alternatives.</p>		

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community
Golden Triangle Recreation Management Zone		
RMZ MARKET NICHE		
<p><b>Alternatives 1, 2, and 5:</b> Visitors engage in casual use on local motorized trail and route opportunities in a juniper-forested setting.</p> <p><b>Alternative 3:</b> Visitors engage in casual cross-country motorized use.</p> <p><b>Alternative 4:</b> Visitors engage in non-motorized recreation activities.</p>		
RMZ OUTCOME OBJECTIVE		
Depending on the RMP alternative, visitors engage in either motorized, or shared-use, or non-motorized trail and route experiences within a forested setting to realize a moderate level of satisfaction for one or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)		
TARGETED OPPORTUNITIES AND OUTCOMES		
Activity Opportunities* (*depends on RMP alternative)	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes
<ul style="list-style-type: none"> <li>• Class I – ATV riding</li> <li>• Class II – 4x4 driving</li> <li>• Class III- Motorcycle riding</li> <li>• Mountain bike riding</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoy Scenery</li> <li>• Experience casual trail riding or route driving with family and friends</li> <li>• Experience challenging motorized or non-motorized trail riding, depending on the land use RMP alternative.</li> <li>• Opportunities for different types of physical exercise</li> </ul>	<p><b>Personal:</b> Greater environmental awareness with family and friends.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship. Increased involvement in recreation and land use decisions.</p> <p><b>Environmental:</b> Increased awareness of “Leave No Trace” and “Treading Lightly” practices on public lands</p> <p><b>Economic:</b> Increased desirability as a place to visit, live or retire. Positive contributions to local and regional economy.</p>
PRESCRIBED SETTING CHARACTER: Middle Country		
Physical	Social	Administrative
<p><b>Remoteness:</b> On or near improved gravel roads but at least ½ mile from Highways (FC).</p> <p><b>Naturalness:</b> Landscape partially modified by roads/trails, utility lines, etc; but none overpower natural landscape features (FC).</p> <p><b>Facilities:</b> Maintained &amp; marked trails, simple trailhead developments, improved signs and very basic toilets (MC).</p>	<p><b>Contacts:</b> 7-14 encounters day off travel routes and 15-29 encounters/day on routes (MC).</p> <p><b>Group Size:</b> 7-12 people per group (MC).</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard (FC).</p>	<p><b>Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>Visitor Services:</b> Basic maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>Management Controls:</b> Occasional regulatory signing. Motorized and mechanized use restrictions. Random enforcement presence (MC).</p>

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY	SRMA MARKET
Regional visitors and local residents of Mitchell, Fossil, and Service Creek	Community
<b>Golden Triangle Recreation Management Zone</b>	
<b>Related Management Prescriptions</b>	
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b>                      OHV use limited to designated routes in Alternatives 1,2 and 5. Casual cross-country OHV use in Alternative 3 and non-motorized use only in Alternative 4.</p> <p><b>Visual Resource Management:</b>                      VRM Class IV in Alternative 1 and VRM Class III in all other alternatives</p>

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET	
Regional visitors and Local residents of Mitchell, Fossil and Service Creek		Community	
Gable Creek Recreation Management Zone			
RMZ MARKET NICHE			
Visitors engage in local motorized and non-motorized trail opportunities in a juniper woodland setting			
RMZ OUTCOME OBJECTIVE			
Visitors engage in trail experiences within a woodland setting, to realize a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)			
TARGETED OPPORTUNITIES AND OUTCOMES			
Activity Opportunities	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes	
<ul style="list-style-type: none"> <li>• Class I – ATV riding</li> <li>• Class II – 4x4 driving</li> <li>• Class III- Motorcycle riding</li> <li>• Horseback riding</li> <li>• Hiking</li> <li>• Mountain Biking</li> </ul>	<ul style="list-style-type: none"> <li>• Experience challenging trail riding</li> <li>• Viewing Scenic landscapes</li> <li>• Pursue upland bird and big game during hunting seasons</li> <li>• Opportunities for different types of physical exercise</li> </ul>	<p><b>Personal:</b> Greater environmental awareness with family and friends.</p> <p><b>Community/Social:</b> Increased awareness of need for community involvement in public land stewardship. Increased involvement in recreation and land use decisions.</p> <p><b>Environmental:</b> Increased awareness of “Leave No Trace” and “Treading Lightly” practices on public lands.</p> <p><b>Economic:</b> Increased desirability as a place to visit, live or retire. Positive contributions to local and regional economy.</p>	
PRESCRIBED SETTING CHARACTER: Middle Country			
Physical	Social	Administrative	
<p><b>Remoteness:</b> On or near improved gravel roads but at least ½ mile from highways (FC).</p> <p><b>Naturalness:</b> Naturally-appearing landscapes except for obvious motorized routes (MC).</p> <p><b>Facilities:</b> Some primitive trails made of native materials such as log bridges and carved wooden signs (BC).</p>	<p><b>Contacts:</b> 3-6 encounters/day off travel routes and 7-15 encounters/day on travel routes (BC).</p> <p><b>Group Size:</b> 7-12 people per group (MC).</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard (FC).</p>	<p><b>Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>Visitor Services:</b> Basic maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>Management Controls:</b> Signs at key access points on basic user ethics. May have back country use restrictions. Enforcement presence rare (BC).</p>	
Related Management Prescriptions			
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b> OHV use limited to designated routes in all alternatives.</p> <p><b>Visual Resource Management:</b> VRM Class III in all alternatives.</p>		

## Bridge Creek Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community	
<b>Logging Road South Recreation Management Zone</b>			
<b>RMZ MARKET NICHE</b>			
Residents and visitors engage in motorized Class I, II and III opportunities on designated trails and routes in a juniper woodland landscape.			
<b>RMZ OUTCOME OBJECTIVE</b>			
Visitors engage in Class I, II and III motorized travel on designated routes within a juniper woodland area. Visitors enjoy and value motorized recreation activities with family and friends in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)			
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b>			
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>	
<ul style="list-style-type: none"> <li>• Class I – ATV riding</li> <li>• Class II – 4x4 driving</li> <li>• Class III- Motorcycle riding</li> </ul>	<ul style="list-style-type: none"> <li>• Enjoy Scenery</li> <li>• Experience trail riding or driving experiences</li> <li>• Interact with other community users</li> <li>• Enjoy physical exercise</li> </ul>	<p><b>Personal:</b> Improved physical fitness, stronger ties with family &amp; friends, improved mental well-being, greater environmental awareness.</p> <p><b>Community/Social:</b> Enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Manage public lands for enjoyable recreational use in an environmentally responsible manner by limiting all use to designated routes and trails.</p> <p><b>Economic:</b> Positive contributions to local/regional economy.</p>	
<b>PRESCRIBED SETTING CHARACTER: Middle Country</b>			
<b>Physical</b>	<b>Social</b>	<b>Administrative</b>	
<p><b>Remoteness:</b> On or near improved gravel roads but at least ½ mile from highways (FC).</p> <p><b>Naturalness:</b> Naturally-appearing landscapes except for obvious motorized routes (MC).</p> <p><b>Facilities:</b> Some primitive trails made of native materials such as log bridges and carved wooden signs (BC).</p>	<p><b>Contacts:</b> 15-29 encounters/day on routes (MC).</p> <p><b>Group Size:</b> 7-12 people per group (MC).</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard (FC).</p>	<p><b>Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>Visitor Services:</b> Basic maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>Management Controls:</b> Regulatory signing clearly posted. Motorized and mechanized use restrictions. Random enforcement presence (MC).</p>	
<b>Related Management Prescriptions</b>			
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b> OHV use limited to designated routes in all alternatives.</p> <p><b>Visual Resource Management:</b> VRM Class III in all alternatives.</p>		

## Bridge Creek Special Recreation Management Area

SRMA PRIMARY MARKET STRATEGY		SRMA MARKET	
Regional visitors and local residents of Mitchell, Fossil, and Service Creek		Community	
Priest Hole Triangle Recreation Management Zone			
RMZ MARKET NICHE			
Residents and visitors engage in motorized and non-motorized opportunities near a upland river canyon area setting.			
RMZ OUTCOME OBJECTIVE			
By the year 2016, visitors engage in upland and big game hunting, hiking, mountain biking, motorized travel on designated routes and photography of the adjacent John Day River canyon area. Visitors enjoy and value these recreation activities with family and friends in a predominately undeveloped setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e., 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction).			
TARGETED OPPORTUNITIES AND OUTCOMES			
Activity Opportunities	Experience Opportunities and Outcomes	Benefit Opportunities and Outcomes	
<ul style="list-style-type: none"> <li>• Driving or riding for pleasure</li> <li>• Natural landscape views</li> <li>• Hiking</li> <li>• Mountain biking</li> <li>• Upland and Big game</li> <li>• hunting</li> <li>• Photography of natural landscapes</li> </ul>	<ul style="list-style-type: none"> <li>• Being with family and friends</li> <li>• Enjoying hunting opportunities</li> <li>• Escaping daily responsibilities</li> <li>• Enjoying physical exercise</li> </ul>	<p><b>Personal:</b> Improved physical fitness; stronger ties with family and friends, improved mental well-being, greater environmental awareness.</p> <p><b>Community/Social:</b> Enlarged sense of community dependency and value of public lands.</p> <p><b>Environmental:</b> Greater retention of distinctive natural landscapes.</p> <p><b>Economic:</b> Positive contribution to local economy.</p>	
PRESCRIBED SETTING CHARACTER: Middle Country			
Physical	Social	Administrative	
<p><b>Remoteness:</b> On or near improved gravel roads but at least ½ mile from highways. (FC)</p> <p><b>Naturalness:</b> Naturally-appearing landscapes except for obvious motorized routes. (MC)</p> <p><b>Facilities:</b> Some primitive trails made of native materials such as log bridges and carved wooden signs. (BC)</p>	<p><b>Contacts:</b> 3-6 encounters/day off travel routes and 7-15 encounters/day on travel routes. (BC)</p> <p><b>Group Size:</b> 7-12 people per group. (MC)</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard. (FC)</p>	<p><b>Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC)</p> <p><b>Visitor Services:</b> Basic Maps, but area personnel seldom available to provide on-site assistance (BC).</p> <p><b>Management Controls:</b> No visitor controls apparent. No use limits. Enforcement presence rare.</p>	
Related Management Prescriptions			
Recreation, Travel, and Visual Resource Management	<p><b>Recreation and Travel Management:</b> OHV use limited to designated routes in all alternatives.</p> <p><b>Visual Resource Management:</b> Alternative 1: VRM Class II within view of the John Day River; VRM Class IV away from river. Action Alternatives: VRM Class II within view of the John Day River; VRM Class III away from river.</p>		

## Little Canyon Mountain Special Recreation Management Area

<b>SRMA PRIMARY MARKET STRATEGY</b>		<b>SRMA MARKET</b>	
Local communities in Grant County		Community	
<b>Little Canyon Mountain Recreation Management Zone (RMZ)</b>			
<b>MARKET NICHE</b>			
Visitors engage in local motorized and non-motorized trail opportunities in a forested setting			
<b>OUTCOME OBJECTIVE</b>			
Visitors engage in trail experiences within a forested setting, realizing a moderate level of satisfaction for two or more recreation activities (i.e. 3.0 on a probability scale where 1 = not at all; 2 = somewhat; 3 = moderate; 4 = total satisfaction.)			
<b>TARGETED OPPORTUNITIES AND OUTCOMES</b>			
<b>Activity Opportunities</b>	<b>Experience Opportunities and Outcomes</b>	<b>Benefit Opportunities and Outcomes</b>	
<ul style="list-style-type: none"> <li>• Class I – ATV riding</li> <li>• Class II – 4x4 driving</li> <li>• Class III- Motorcycle riding</li> <li>• Horseback riding</li> <li>• Hiking</li> <li>• Mountain Biking</li> </ul>	<ul style="list-style-type: none"> <li>• Viewing Scenic landscapes</li> <li>• Experience challenging trail riding</li> <li>• Interact with other community users</li> <li>• Opportunities for different types of physical exercise</li> </ul>	<p><b>Personal:</b> Greater environmental awareness.</p> <p><b>Community/Social:</b> Greater community involvement in recreation and land use decisions. Reduced social isolation. Improved functioning in community.</p> <p><b>Environmental:</b> Manage previously disturbed or unclaimed mining areas for recreational use on public land.</p> <p><b>Economic:</b> Increased desirability as a place to live or retire. Positive contributions to local/regional economy.</p>	
<b>PRESCRIBED SETTING CHARACTER: Front Country</b>			
<b>Physical</b>	<b>Social</b>	<b>Operational</b>	
<p><b>Remoteness:</b> On or near improved gravel roads but at least ½ mile from Highways (FC).</p> <p><b>Naturalness:</b> Landscape partially modified by roads/trails, utility lines, etc., but none overpower natural landscape features (FC).</p> <p><b>Facilities:</b> Maintained and marked trails, simple trailhead developments; improved signs and very basic toilets (MC).</p>	<p><b>Contacts:</b> 7-14 encounters off travel routes and 15-29 encounters/day on routes (MC).</p> <p><b>Group Size:</b> 7-12 people per group (MC).</p> <p><b>Evidence of Use:</b> Small areas of alteration prevalent. Surface vegetation gone with impacted soils observed. Sounds of people regularly heard (FC).</p>	<p><b>Mechanized Use:</b> Four-wheel drives, all-terrain vehicles, dirt bikes, or snowmobiles in addition to non-motorized, mechanized use (MC).</p> <p><b>Visitor Services:</b> Area brochures and maps, plus area personnel occasional present to provide on-site assistance (MC).</p> <p><b>Management Controls:</b> Rules clearly posted with some seasonal or day-of-week use restrictions. Periodic enforcement presence (FC).</p>	
<b>Related Management Prescriptions</b>			
<b>Recreation, Travel, and Visual Resource Management</b>	<p><b>Recreation and Travel Management:</b> Alternative 1 allows cross-country OHV use. All other alternatives limit OHV use to designated routes. OHV use and the type of OHVs in North and South pits vary by alternative. See Chapter 2 for differences between alternatives for OHV and other recreation use.</p> <p><b>Visual Resource Management:</b> VRM Management Class II for all alternatives.</p>		



# Appendix L: Existing Rights-of-Way

Serial Number	Name	Type		Serial Number	Name	Type
ME_P-21		TRLRD		OR 7586		RD
ME-P-10		PIPELINE		OR 7586		RD
ME-P-11		RD		OR 7586		RD
ME-P-16		PIPELINE		OR 7586		RD
ME-P-18		FENCE		OR 7586		RD
ME-P-20		CULTURAL		OR 7586		RD
ME-P-20		CULTURAL		OR 7586		RD
ME-P-20		RD		OR 7586		RD
ME-P-21		FENCE		OR 7586		RD
ME-P-21		FENCE		OR 7586		RD
ME-P-4		PIPELINE		OR 8530		TEL
ME-P-6		RD PIPELINE		OR 8530		TEL
ME-P-8		PIPELINE		OR 8705	OR	HWY
ME-P-9		FENCE		OR 9493		RD
ME-P-9		FENCE		OR 9493		RD
OR 10164		PWR		OR 9554		WELL
OR 10164		PWR		OR 9848		PWR
OR 10164		PWR		OR 9848		PWR
OR 10407		PWR		RE_P-57		TRL PIPE
OR 10407		PWR		RE_P-64		RD
OR 10407		PWR		RE_P-83		RD
OR 10407		PWR		RE_P-86		TRL
OR 10407		PWR		RE-02-10		RD
OR 10407		PWR		RE-02-10		RD
OR 10407		RD		RE-02-10		RD
OR 10407	BPA	PWR		RE-02-10		RD
OR 10407		RD		RE-02-10		RD
OR 10407		RD		RE-02-10		RD
OR 10407	BPA	PWR		RE-02-111		RD
OR 10407	BPA	PWR		RE-02-112	L STOUT	RD
OR 10407		RD		RE-02-112	L STOUT	RD
OR 10407		RD		RE-02-112		RD
OR 10407		RD		RE-02-112		RD
OR 10407	BPA	PWR		RE-02-112		RD
OR 10556		GAS		RE-02-112		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 10556		GAS		RE-02-112		RD
OR 10556		GAS		RE-02-112		RD
OR 10556		GAS		RE-02-112		RD
OR 10556		GAS		RE-02-112		RD
OR 10556		GAS		RE-02-114		RD
OR 11269		RD		RE-02-117		RD
OR 11269		RD		RE-02-117		RD
OR 11269		RD		RE-02-117		RD
OR 11269		RD		RE-02-117		RD
OR 11269		RD		RE-02-119		RD
OR 12149		RD		RE-02-128		RD
OR 12824	OR 19	RD		RE-02-128		RD
OR 12971		HWY		RE-02-128		RD
OR 13824		GAS		RE-02-128		RD
OR 13824		GAS		RE-02-129		RD
OR 13824		GAS		RE-02-130		RD
OR 13824		GAS		RE-02-132		RD
OR 14199		RAILROAD		RE-02-133		RD
OR 15772		RD		RE-02-134		RD
OR 15821		RD		RE-02-134		RD
OR 15821		RD		RE-02-136		RD
OR 15821		RD		RE-02-139		RD
OR 15821		RD		RE-02-139		RD
OR 15910	BPA	PWR		RE-02-139		RD
OR 15910		RD		RE-02-140		RD
OR 15910	BPA	PWR		RE-02-141		RD
OR 15910	BPA	PWR		RE-02-150		RD
OR 15910	BPA	PWR		RE-02-151		RD
OR 16216	ONF 58	RD		RE-02-151		RD
OR 1668		PWR		RE-02-151		RD
OR 16817		TEL		RE-02-151		RD
OR 16847		RD		RE-02-160		RD
OR 16847		RD		RE-02-163		RD
OR 16847		RD		RE-02-163		RD
OR 168998		PWR		RE-02-165		RD
OR 168998		PWR		RE-02-166		RD
OR 17530		TEL		RE-02-166		RD
OR 17530		TEL		RE-02-166		RD
OR 18632		RD		RE-02-166		RD
OR 18632		RD		RE-02-166		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 18632		RD		RE-02-18		RD
OR 18714	BPA	RD		RE-02-18		RD
OR 18714	BPA	PWR		RE-02-18		RD
OR 18714	BPA	PWR		RE-02-18		RD
OR 18714	BPA	RD		RE-02-18		RD
OR 18714	BPA	RD		RE-02-190		FENCE
OR 18714	BPA	RD		RE-02-190		FENCE
OR 18714		PWR		RE-02-191		RD
OR 18714		PWR		RE-02-191		RD
OR 18714		PWR		RE-02-191		RD
OR 1923	OR 218	RD		RE-02-193		RD
OR 1923	OR 218	RD		RE-02-196		PIPELINE
OR 1923	OR 218	RD		RE-02-196		PIPELINE
OR 20299		RD		RE-02-200		RD
OR 20299		RD		RE-02-200		RD
OR 2158		RD		RE-02-210		RD
OR 2158		RD		RE-02-211		RD
OR 2158		RD		RE-02-212		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-213		RD
OR 2158		RD		RE-02-214		RD
OR 2212		RD		RE-02-214		RD
OR 24421		TEL		RE-02-215		RD
OR 24421		TEL		RE-02-216		RD
OR 24421		TEL		RE-02-217		RD
OR 2451		PWR		RE-02-218		RD
OR 2451		PWR		RE-02-218		RD
OR 2451		PWR		RE-02-218		RD
OR 2451		PWR		RE-02-221		RD
OR 2451		PWR		RE-02-221		RD
OR 2451		PWR		RE-02-40		RD
OR 2451		PWR		RE-02-40		RD
OR 2451	BPA	PWR		RE-02-43		RD
OR 2451	BPA	PWR		RE-02-43		RD
OR 2451	BPA	PWR		RE-02-43		RD
OR 2451	BPA	PWR		RE-02-43		RD
OR 25747		TEL		RE-02-74		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 25747		TEL		RE-02-75		RD
OR 25747		TEL		RE-02-75		RD
OR 25747		TEL		RE-02-75		RD
OR 25747		TEL		RE-02-75		RD
OR 25747		TEL		RE-02-75		RD
OR 25747		TEL		RE-02-75		RD
OR 26706		RD		RE-02-75		RD
OR 26708		WATER-PIPE		RE-02-75		RD
OR 34235		PWR		RE-02- RE-02-75		RD
OR 343235		PWR		RE-2-214		RD
OR 343235		PWR		RE-2-214		RD
OR 343235		PWR		RE-2-214		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3471		PWR		RE-B-3		RD
OR 3514		RD		RE-B-3		RD
OR 3514		RD		RE-B-3		RD
OR 3514		RD		RE-B-3		RD
OR 35146		TEL		RE-B-3		RD
OR 35890		RD		RE-B-3		RD
OR 35890		RD		RE-B-3		RD
OR 35958		PWR		RE-B-3		RD
OR 36187		TEL		RE-B-3		RD
OR 36187		TEL		RE-B-3		RD
OR 36220		RES		RE-B-3		RD
OR 37393		PWR		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 40270		TEL		RE-B-3		RD
OR 40270		TEL		RE-B-3		RD
OR 40412		RD		RE-B-3		RD
OR 40412		RD		RE-B-3		RD
OR 41397		RD		RE-B-3		RD
OR 41424		RD		RE-B-3		RD
OR 41424		RD		RE-B-3		RD
OR 41424		RD		RE-B-3		RD
OR 41427		RD		RE-B-3		RD
OR 4156	GC 3070	RD		RE-B-3		RD
OR 4156	GC 3070	RD		RE-B-3		RD
OR 4156	GC 3070	RD		RE-B-3		RD
OR 41799		TEL		RE-B-3		RD
OR 42314		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44536		RD		RE-B-3		RD
OR 44605	GC 3407	RD		RE-B-3		RD
OR 44605	GC 3407	RD		RE-B-3		RD
OR 44605	GC 15	RD		RE-B-3		RD
OR 44703		TEL		RE-B-3		RD
OR 44703		TEL		RE-B-3		RD
OR 44703		TEL		RE-B-3		RD
OR 44703		TEL		RE-B-3		RD
OR 46103		TEL		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 4704		PWR		RE-B-3		RD
OR 47830		CANAL		RE-B-3		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 51958		TEL		RE-B-3		RD
OR 53868	CENTURY TEL	TEL		RE-B-3		RD
OR 54099	S LEMONS	WATER-PIPE		RE-B-3		RD
OR 55097	P SARI	RD		RE-B-3		RD
OR 55097	P SARI	RD		RE-B-3		RD
OR 5534		PWR		RE-B-3		RD
OR 56243	FS 4795	RD		RE-B-3		RD
OR 56243	FS 4795	RD		RE-B-3		RD
OR 56243	FS 4795	RD		RE-B-3		RD
OR 56243	FS 4795	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56561	L STOUT	RD		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56872	OREGON TRAIL EL CO-OP	PWR		RE-B-3		RD
OR 56888	C WOOD	WATER-PIPE		RE-B-3		RD
OR 56888	C WOOD	WATER-PIPE		RE-B-3		RD
OR 56897	T MCDONALD	RD		RE-B-3		RD
OR 56897	T MCDONALD	RD		RE-B-3		RD
OR 57533	CENTURY TEL	TEL		RE-B-3		RD
OR 57977	T GROO	RD		RE-B-3		RD
OR 58199	J KELLY	RD		RE-B-3		RD
OR 58200	D SHANAFELT	WATER-PIPE		RE-B-4		RD
OR 58251	TUDOR/MUELLER	RD		RE-P-1		RD
OR 58251	TUDOR/MUELLER	RD		RE-P-1		RD
OR 58251	TUDOR/MUELLER	RD		RE-P-1		RD
OR 58291	L&P STOUT	RD		RE-P-1		RD
OR 58291	L&P STOUT	RD		RE-P-1		RD
OR 58947	J&L RECKLING	RD		RE-P-1		RD
OR 59642	G GRIFFITH	RD		RE-P-1		RD
OR 60143	TEEVIN BROS L&C	RD		RE-P-100		RD
OR 60168		WATER-PIPE		RE-P-100		RD
OR 60168		WATER-PIPE		RE-P-100		RD
OR 6046		PWR		RE-P-100		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 6046		PWR		RE-P101		RD
OR 6046		PWR		RE-P101		RD
OR 6046		PWR		RE-P-101		RD
OR 6059		RD		RE-P-101		RD
OR 60685	SMITH PROPERTIES INC	WATER-PIPE		RE-P-101		RD
OR 60685	SMITH PROPERTIES INC	RD		RE-P-101		RD
OR 60879	CENTURY TEL	TEL		RE-P-102		RD
OR 6211	GC 63	RD		RE-P-102		RD
OR 6211	GC 63	RD		RE-P-105		RD
OR 6211	GC 63	RD		RE-P-107		RD
OR 6211	GC 63	RD		RE-P-107		RD
OR 6211	GC 63	RD		RE-P-107		RD
OR 6211	GC 63	RD		RE-P-107		RD
OR 6305		RD		RE-P-107		RD
OR 6305		RD		RE-P-109		RD
OR 6305		RD		RE-P-110		RD
OR 6306		RD		RE-P-114	CROWN PACIFIC	RD
OR 6306		RD		RE-P-115		RD
OR 6306		RD		RE-P-116	CROWN PACIFIC	RD
OR 6306		RD		RE-P-117		RD
OR 6306		RD		RE-P-117		RD
OR 6306		RD		RE-P-117		RD
OR 6306		RD		RE-P-117		RD
OR 6306		RD		RE-P-117		RD
OR 6306		RD		RE-P-120		RD
OR 6306		RD		RE-P-122		RD
OR 6306		RD		RE-P-123		RD
OR 6306		RD		RE-P-126		RD
OR 6306		RD		RE-P-126		RD
OR 6306		RD		RE-P-126		RD
OR 6306		RD		RE-P-126		RD
OR 6306		RD		RE-P-127		RD
OR 6306		RD		RE-P-127		RD
OR 6315		RD		RE-P-128		RD
OR 6315		RD		RE-P-128		RD
OR 6315		RD		RE-P-132		RD
OR 6315		RD		RE-P-133		RD
OR 6315		RD		RE-P-16		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 6315		RD		RE-P-16		RD
OR 6315		RD		RE-P-16		RD
OR 6315		RD		RE-P-16		RD
OR 6315		RD		RE-P-16		RD
OR 6315		RD		RE-P-16		RD
OR 6315		RD		RE-P-18		RD
OR 6315		RD		RE-P-33		RD
OR 6315		RD		RE-P-33		RD
OR 6315		RD		RE-P-36		RD
OR 6315		RD		RE-P-37		RD
OR 6315		RD		RE-P-38		RD
OR 6315		RD		RE-P-43		RD
OR 6315		RD		RE-P-47		RD
OR 6315		RD		RE-P-47		RD
OR 6315		RD		RE-P-50		RD
OR 6315		RD		RE-P-50		RD
OR 6315		RD		RE-P-50		RD
OR 6315		RD		RE-P-50		RD
OR 6315		RD		RE-P-54		RD
OR 6315		RD		RE-P-54		RD
OR 6315		RD		RE-P-54		RD
OR 6315		RD		RE-P-54		RD
OR 6315		RD		RE-P-55		RD
OR 6315		RD		RE-P-56		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-58		RD
OR 6315		RD		RE-P-60		RD
OR 6315		RD		RE-P-61		RD
OR 6315		TEL		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		TEL		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		RD		RE-P-61		RD
OR 6315		RD		RE-P-62		RD
OR 6315		RD		RE-P-62		RD
OR 6315		RD		RE-P-63		RD

Serial Number	Name	Type		Serial Number	Name	Type
OR 6315		RD		RE-P-69		RD
OR 6443	US 395	RD		RE-P-71		RD
OR 6443	US 395	RD		RE-P-72		RD
OR 6443	US 395	RD		RE-P-78		RD
OR 6443	US 395	RD		RE-P-78		RD
OR 7248	BUTLER MKT RD	RD		RE-P-79		RD
OR 7265		RD		RE-P-79		RD
OR 7265		RD		RE-P-79		RD
OR 7265		RD		RE-P-80		RD
OR 7265		RD		RE-P-80		RD
OR 7265		RD		RE-P-80		RD
OR 7265		RD		RE-P-80		RD
OR 7265		RD		RE-P-81		RD
OR 7265		RD		RE-P-83		RD
OR 7265		RD		RE-P-84		RD
OR 7265		RD		RE-P-85		RD
OR 7265		RD		RE-P-85		RD
OR 7265		RD		RE-P-88		RD
OR 7265		RD		RE-P-89		RD
OR 7265		RD		RE-P-90		RD
OR 7265		RD		RE-P-90		RD
OR 7265		RD		RE-P-91		RD
OR 7265		RD		RE-P-92		RD
OR 7265		RD		RE-P-92		RD
OR 7265		RD		RE-P-92		RD
OR 7265		RD		RE-P-92		RD
OR 7265		RD		RE-P-97		RD
OR 7265		RD		RE-P-98		RD
OR 7265		RD		RE-P-99		RD
OR 7265		RD		TD 21901		RAILROAD
OR 7265		RD		TD 31609		HWY
OR 7265		RD		TD 32456	OR 402	RD
OR 7586		RD		TD 32456	OR 402	RD

# Appendix M: Withdrawn Lands

“Legal Description” indicates sections within which withdrawn lands are located. Information on which portions of the cited sections are withdrawn is available at the Prineville District Office.

Within PSRs, sections noted with “\*” contain land where the surface is “Open to Entry Subject Section 24 FPA.”

Note: Table does not include other agency withdrawals within National Park boundaries, or lands within National Forest boundaries.

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
ORE 0 5286	PLO 3871	T.4N. R.22E. Sec. 26, 33;		Protection of Navigation and Power Development/John Day Lock and Dam Project	USACE	A	C
		T.3N. R.17E. Sec. 1;					C
		T.3N. R.18E. Sec. 18, 20, 22, 26, 30;					C
		T.3N. R.19E. Sec. 34, 35;					C
		T.3N. R.20E. Sec. 26, 28, 32;					C
		T.3N. R.21E. Sec. 2, 10;					C
		T.3N. R.22E. Sec. 4, 6;					C
		T.2N. R.18E. Sec. 10, 11, 12;					C
		T.2N. R.19E. Sec. 4, 6;					C
OR 59369	FO of 1/22/2004	T.3N. R.17E. Sec. 28;		Protection of Power Development/Power Project 12468	FERC	C	C
ORE 0 3141	PLO 1256	T.2N. R.16E. Sec. 7, 9, 10, 18;		Protection of Dam Project/The Dalles Dam Project	COE	A	C
OR 19024	EO of 10/12/1932	T.3N. R.18E. Sec. 30*;		Protect Water Power and Reservoir Development Potential/ PSR 24	BLM	D	C
		T.1N. R.19E Sec. 4*;					C
		T.1N. R.20E Sec. 30*, 31*;					C
		T.1S. R.20E Sec 6, 7;					C
		T.3S. R.18E. Sec. 2, 11, 23, 24, 27, 35;					C
		T.4S. R.18E. Sec. 2, 3, 15, 22, 23, 25;					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		T.4S. R.19E. Sec. 29;					C
		T.5S. R.19E. Sec. 9, 21, 29;					C
		T.7S. R.19E. Sec. 5, 7, 8, 17-20;					C
		T.8S. R.19E. Sec. 3, 9, 21, 25, 26;					C
		T.8S. R.20E. Sec. 31;					C
		T.9S. R.19E. Sec. 12;					C
		T.9S. R.20E. Sec. 6, 30, 32;					C
		T.9S. R.21E. Sec. 28*, 29, 30, 31;					C
		T.9S. R.22E. Sec.13*, 14, 22, 23, 27,28, 32*;					C
		T.9S. R.23E. Sec. 1, 8*, 9*, 10*, 11, 12, 18;					C
		T.9S. R.25E. Sec. 24, 25;					
OR 19083	EO of 11/24/1916	T.2N. R.18E. Sec. 10*;		Protect Water Power and Reservoir Development Potential/ PSR 566	BLM	D	C
		T.2N. R.19E. Sec. 18, 19, 28, 30, 32;					C
		T.1N. R.19E. Sec. 2*;					C
		T.1N. R.20E. Sec. 30;					C
		T.1S. R.19E. Sec. 10*, 11*, 12*, 15, 17, 19, 21-23, 30, 31;					C
		T.2S. R.18E. Sec 1, 11-14, 23-26, 34, 35;					C
		T.3S. R.18E. Sec 1, 13, 14, 22, 23, 26, 27, 34, 35;					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		T.4S. R.18E. Sec 3, 10, 13, 14, 23-25;					C
		T.4S. R.19E. Sec 19, 29-32;					C
		T.5S. R.18E. Sec 25;					C
		T.5S. R.19E. Sec 5, 6, 8, 17, 20, 28-30;					C
		T.6S. R.19E. Sec 6, 7, 30;					C
		T.8S. R.19E. Sec 5;					C
		T.9S. R.23E. Sec 11;					C
OR 44721	PL 100-557	T.2N. R.18E. Sec 11-13;		Protection under Wild and Scenic Rivers Act / John Day WSR	BLM	Various	C
		T.2N. R.19E. Sec 18-20, 27-30, 32,33;					C
		T.1N. R.19E. Sec 2-4, 11, 14, 23-25, 36;					C
		T.1N. R.20E. Sec 5-7;					C
		T.1S. R.18E. Sec 36;					C
		T.1S. R.19E. Sec 3;					C
		T.2S. R.18E. Sec 1, 11-13, 23-26, 34, 35;					C
		T.2S. R.19E. Sec 5-7;					C
		T.3S. R.18E. Sec 2,3,11-15, 22-24,26,27,34,35;					C
		T.4S. R.18E. Sec 2, 3, 10, 11, 13-15, 22-25;					C
		T.4S. R.19E. Sec 19, 29-32;					C
		T.5S. R.18E. Sec 25, 36;					C
		T.5S. R.19E. Sec 5, 6, 8, 9, 16, 17, 20, 21, 29, 30;					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		T.6S. R.18E. Sec 1;					C
		T.6S. R.19E. Sec 6-8, 17-20, 29-32;					C
		T.7S. R.19E. Sec 5-8, 17-20, 29, 30, 32, 33;					C
		T.8S. R.19E. Sec 3-5, 9, 10, 15, 16, 22, 23, 25, 26, 35, 36;					C
		T.8S. R.20E. Sec 31;					C
		T.9S. R.19E. Sec 1, 11-14, 24, 25;					C
		T.9S. R.20E. Sec 1;					C
		T.9S. R.21E. Sec 27-36;					C
		T.9S. R.22E. Sec 13, 14, 21-24, 27-29, 31-33;					C
		T.9S. R.23E. Sec 17-19;					C
		T.10S. R.20E. Sec 1-4;					C
		T.10S. R.21E. Sec 1, 2, 6;					C
		T.10S. R.22E. Sec 5, 6;					C
							C
OR 44713	PL 100-557	T.1S. R.16E. Sec 4-6, 8, 9, 16, 17, 19-21, 29-32;		Protection under Wild and Scenic Rivers Act / Deschutes WSR	BLM	Various	C
		T.2S. R.16E. Sec 5-7, 18, 19;					C
OR 19046	EO of 7/2/1910	T.1S. R.19E. Sec 10, 31;		Protect Water Power and Reservoir Development Potential/ PSR 145	BLM	D	C
		T.1S. R.20E. Sec 6, 7;					C
		T.3S. R.18E. Sec 11, 15, 27;					C
		T.4S. R.18E. Sec 13;					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		T.5S. R.19E. Sec 20, 29;					C
		T.6 S. R.19E. Sec 7, 8, 17-20, 29;					C
		T.7S. R.19E. Sec 8, 17, 29;					C
		T.8S. R.19E. Sec 22;					C
		T.9S. R.19E. Sec 12;					C
		T.9S. R.20E. Sec 30, 32;					C
		T.9S. R.22E. Sec 23;					C
		T.9S. R.24E. Sec 6*;					C
Not Serialized	12/30/1982	T.2S. R.18E. Sec 1, 11-14, 20-29, 34, 35;		Protection of Wilderness Area Potential/Lower John Day	BLM		C
		T.2S. R.19E. Sec 6, 7, 18, 19;		Lower John Day			C
		T.3S. R.18E. Sec 1-3, 9-16, 20-30, 32-35;		Lower John Day			C
		T.4S. R.18E. Sec 1-4, 10-15, 22-27;		Lower John Day, Thirtymile			C
		T.4S. R.19E. Sec 19, 29-32;		Thirtymile			C
		T.5S. R.18E. Sec 24-26;		North Pole Ridge			C
		T.5S. R.19E. Sec 7, 8, 17, 19-21, 28-32;		North Pole Ridge			C
		T.8S. R.20E. Sec 6, 7, 18-21, 29;		Spring Basin			C
		T.13S. R.26E. Sec 25;		Aldrich Mountain			C
		T.13S. R.27E. Sec 19, 20, 28-32;		Aldrich Mountain			C
		T.14S. R.26E. Sec 1, 12, 13;		Aldrich Mountain			C
		T.14S. R.27E. Sec 5-8, 17, 19-21, 27-29, 34;		Aldrich Mountain			C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		T.14S. R.31E. Sec 24, 25;		Sheep Gulch			C
		T.14S. R.32E. Sec 11;		Pine Creek			C
		T.14S. R.33E. Sec 10;		Indian Creek			C
OR 9041 C	EO of 4/17/1926	T.6 S. R.18E. Sec 25;		Protection of Public Water Resource/PWR 107	BLM	E	C
		T.12S. R.27E. Sec 1;					C
Not Serialized	EO of 4/17/1926	T.10S. R.20E. Sec 10, NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Lower Coyote Canyon Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.10S. R.20E. Sec 16, SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Lockwood Cyn Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.10S. R.20E. Sec 21, SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Pat's Cabin Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.10S. R.26E. Sec 30, NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 W-4 Spring # 2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T. 10S. R.26E. Sec 30, SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 W-4 Spring # 3	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.10S. R.26E. Sec 31, NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Branson Creek Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.10S. R.26E. Sec 7, SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 W-4 Spring #1	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.21E. Sec 29, NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Willow Springs	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.21E. Sec 29, SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Slickrock Spring	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T.11S. R.21E. Sec 34, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Pee Wee Spring (RC)	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.21E. Sec 35, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Broken Hip Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.24E. Sec 30, SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Fopiano Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.25E. Sec 13, SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Elmer Asher Spring # 1	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S, R.26E, Sec 23 ,		Protection of Public Water Resource/PWR 107 Blue Basin Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.26E. Sec 24, SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Blue Basin Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.26E. Sec 35, NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Maggie Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R 26E. Sec 35, SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Corral Springs	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.11S. R.27E. Sec 31, SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Whisenhunt Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.12S. R.26E. Sec 08, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Basin Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.12S. R.26E. Sec 09, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Battle Ck Spring	BLM Various	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T.12S. R.26E. Sec 21, NW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Mcnulty Basin Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.12S. R.26E. Sec 33, NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Nash Reservoir Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T. 12S. R.26E. Sec 34, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Bluebird Springs	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.12S. R.26E. Sec 4, SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Cactus Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.12S. R.26S. Sec 2, SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Two Through Spring	BLM Various	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.15E. Sec 15, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> and T.18S. R.15E. Sec 15, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Cox Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 21, SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Battle Creek Spring #2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 22, NE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Munjar Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 26, SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 N. Munjar Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R 26E. Sec 8, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Boundary Fence Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 9, SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 West Fork Spring (Battle Creek)	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 9, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Battle Creek Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.26E. Sec 9, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Battle Creek Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.27E. Sec 20, SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Gray Gulch Spring #3	BLM	Various	C
Not Serialized	EO of 4/17/1926	T.13S. R.27E. Sec 31, SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Oliver Creek Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R26E, Sec 35, NW <sup>1</sup> / <sub>4</sub> SE1/4		Protection of Public Water Resource/PWR 107 Rockpile Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R27E, Sec 17, NE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Dry JackAss Butte Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R27E, Sec 20, NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 JackAss Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R27E, Sec 28, NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Big Pine Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R27E, Sec 30, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Cow Gulch Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R27E, Sec 33, SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Bull Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T14S, R31E, Sec 22, NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Miller Mt. Spring	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T15S, R26E, Sec 12, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Doghouse Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T15S, R26E, Sec 23, NE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Hairpin Curve Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T15S, R26E, Sec 23, SW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 North Cougar Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T15S, R26E, Sec 29, NE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Magic Lantern Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R26E, Sec 16		Protection of Public Water Resource/PWR 107 Carcajou Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R27E, Sec 25, SW $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 French Butte Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R27E, Sec 28, NW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Little Frazier Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R27E, Sec 28, NW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Junction Ck Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R27E, Sec 30, NE $\frac{1}{4}$ SE $\frac{1}{4}$ and T16S, R27E, Sec 29, S $\frac{1}{2}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Ellingson Mill Administrative Site	BLM	Various	C
Not Serialized	EO of 4/17/1926	T16S, R27E, Sec 30, SW $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 No Where Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R27E, Sec 15, NE $\frac{1}{4}$ NE $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Phillips Spring #1	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T17S, R27E, Sec 2, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Phillips Spring #2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R27E, Sec 5, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Pine Creek Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 18, NE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Wildcat Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 18, NE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 St. Clair - Wildcat Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 19, NE $\frac{1}{4}$ SE $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Pasture Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 19, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 St. Clair - Reservoir Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 20, NE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Poison Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T17S, R28E, Sec 20, SE $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 St. Clair - Tributary Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T18S, R27E, Sec 3, NE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Sheep Creek Butte Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T18S, R28E, Sec 06, NW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Nothalf - Flat Ck Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T18S, R28E, Sec 06, SE $\frac{1}{4}$ NE $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Nothalf - Buck Ck Spring	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T18S, R28E, Sec 08, NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Blackhorse Draw Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T18S, R28E, Sec 8, NW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Notatft Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T1S, R19, Sec 10, NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 High Spring # 3	BLM	Various	C
Not Serialized	EO of 4/17/1926	T1S, R19, Sec 11, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 High Spring # 2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T1S, R19, Sec 11, SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 High Spring # 5	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R18E, Sec 27, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Eakin & Stewart Spring 3	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R18E, Sec 27, SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Eakin & Stewart Spring 2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R20E, Sec 11, NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub>		Protection of Public Water Resource/PWR 107 Barnell Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R20E, Sec 3		Protection of Public Water Resource/PWR 107 Hay Ck Spring # 1	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R20E, Sec 9		Protection of Public Water Resource/PWR 107 Hay Ck Spring # 2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T2S, R20E, Sec 9		Protection of Public Water Resource/PWR 107 Hay Ck Spring # 3	BLM	Various	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized	EO of 4/17/1926	T2S, R21E, Sec 21, NE $\frac{1}{4}$ NE $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Eakin and Stewart Spring 1	BLM	Various	C
Not Serialized	EO of 4/17/1926	T3S, R15E, Sec 10, SW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Gert Canyon Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T8S, R19E, Sec 03, SE $\frac{1}{4}$ NE $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Sidehill Sp and Pipeline	BLM	Various	C
Not Serialized	EO of 4/17/1926	T8S, R20E, Sec 24, SW $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Line Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T9S, R20E, Sec 26, NW $\frac{1}{4}$ NW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Tom Stephen Spring # 1	BLM	Various	C
Not Serialized	EO of 4/17/1926	T9S, R20E, Sec 26, SW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Tom Stephen Spring # 2	BLM	Various	C
Not Serialized	EO of 4/17/1926	T9S, R21E, Sec 29, SE $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 C.O. Warren Spring	BLM	Various	C
Not Serialized	EO of 4/17/1926	T9S, R25E, Sec 8, NW $\frac{1}{4}$ SW $\frac{1}{4}$		Protection of Public Water Resource/PWR 107 Fischer Spring	BLM	Various	C
OR 19027	EO of 7/2/1910	T.7S. R.28E. Sec 33-35;		Protect Water Power and Reservoir Development Potential/ PSR 61	BLM	D	C
		T.8S. R.28E. Sec 4, 5, 7-9, 17, 18, 19*, 20*, 30*;					C
		T.9S. R.26E. Sec 14*, 19, 20*, 21, 30;					C
		T.9S. R.27E. Sec 2;					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
OR 19026	EO of 7/2/1910	T.8S. R.29E. Sec 10*, 11*, 12*; T.8S. R.30E. Sec 7*, 17, 24*, 25*; T.8S. R.31E. Sec 30*, 32*; T.9S. R.31E. Sec 4*, 5*;		Protect Water Power and Reservoir Development Potential/ PSR 60	BLM	D	C
OR 19031	EO of 7/2/1910	T.9S. R.26E. Sec 31; T.10S. R.26E. Sec 7*, 18*; T.12S. R.26E. Sec 20*;		Protect Water Power and Reservoir Development Potential/ PSR 65	BLM	D	C
Not Serialized	2/21/1996	T.10S. R.20E. Sec 4, 9, 10, 14-17, 19-23, 28-35; T.11S. R.20E. Sec 4;		Protection of Wilderness Area Potential/Pat's Cabin Wilderness Study Area	BLM		C
Not Serialized	2/21/1996	T.10S. R.20E. Sec 12, 12, 24, 25; T.10S. R.21E. Sec 2-12, 14-23, 25-36; T.10S. R.22E. Sec 30-32; T.11S. R.21E. Sec 1-5, 9-16, 21-23; T.11S. R.22E. Sec 5-8, 18;		Protection of Wilderness Area Potential/Sutton Mountain Wilderness Study Area	BLM		C
ORE 010418	PLO 3076	T.11S. R.25E. Sec 3		Protection of Air Navigation Site/John Day ANS	FAA	B	C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
OR 46602	SO of 9/28/1928	T.12S. R.25E. Sec 1, 2;		Protection of lands for State, RP&P Selection/Recreational Withdrawal #15	BLM/NPS	Closed to Public Land Laws except RP&P disposal	C
		T.11S. R.26E. Sec 5, 8, 18, 20;					C
OR 44748	PL 100-557	T.13S. R.26E. Sec 24-26;		Protection under Wild AND Scenic Rivers Act/ S Fork John Day WSR	BLM	Various	C
		T.15S. R.26E. Sec 1, 12-14, 24,25,36;					C
		T.15S. R.27E. Sec 19, 30, 31;					C
		T.16S. R.26E. Sec 1;					C
		T.16S. R.27E. Sec 7, 18-20, 29, 32, 33;					C
		T.17S. R.27E. Sec 4, 9, 10, 15, 22-25;					C
		T.17S. R.28E. Sec 28-30, 32-34;					C
		T.18S. R.28E. Sec 3, 4, 10, 11, 13-15, 24;					C
OR 19030	EO of 7/2/1910	T.14S. R.26E. Sec 23*, 26*, 35*;		Protect Water Power & Reservoir Development Potential/ PSR 64	BLM	D	C
OR 44758		T.17S. R.36E. Sec 21, 22, 27, 28, 33, 34;		Protection under Wild & Scenic Rivers Act /N Fork Malheur Study River	BLM		C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
Not Serialized		Rock Creek (RM 23) T1N, R19E, Sec 14, E½		Recreation Sites to be withdrawn from Mineral Entry (2001 John Day Wild and Scenic River Plan Record of Decision Appendix J)	BLM		C
		Cottonwood Bridge (RM40) T1S, R19E, Sec 17, SW¼SW¼, SW¼, SE¼					C
		Butte Creek (RM97) T6S, R19E, Sec 8, SW¼SW¼, Sec 17 NW¼NW¼					C
		Clarno (RM 106-109) T7S, R19E Sec 18 S½ SW¼, SW¼SE¼ Sec 19 Sec 20 W½ Sec 29 W½, SW¼SE¼ Sec 30 E½ Sec 32 N½, N½SW¼					C
		Clarno East (RM 112) T8S, R19E Sec 3 NE¼SW¼					C
		Burn Ranch (RM 132-133) T9S, R20E Sec 32 SW¼NW¼, S½					C
		Priest Hole (RM 137) T9S, R20E Sec 36 S½					C
		Service Creek (RM 157) T9S, R23E Sec 17 NW¼ Sec 18 E½NE¼					C
		Muleshoe (RM 159) T9S, R23E Sec 9 SW½NE¼					C

Serial Number	Order Number/Date	Legal Description	Acres	Purpose/Name	Managing Agency	Segregative Effect	Recommendation (C/R)
		Wooden Bridge (RM 162) T9S, R23E Sec 12 N $\frac{1}{2}$ NW $\frac{1}{4}$					C
		Shady Grove (RM178) T9S, R25E Sec 9 N $\frac{1}{2}$ NE $\frac{1}{4}$					C
		Lone Pine (North Fork RM2) T9S, R26E Sec 20 W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$					C
		Lone Pine (North Fork RM 2) T9S, R26E Sec 20 W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$					C
		Big Bend (North Fork RM 3) T9S, R26E					C
		Monument (North Fork RM 16) T9S, R27E Sec 1 SW $\frac{1}{4}$ , NW $\frac{1}{4}$ SE $\frac{1}{4}$					C
		Ellingson Mill (South Fork RM 32) T16S, R27E Sec 29 W $\frac{1}{2}$					C

**Acronyms:**

PLO: Public Land Order  
 PSR: Power Site Reserve  
 PSC: Power Site Classification  
 R&PP: Recreation and Public Purposes  
 WPD: Water Power Designation  
 FPC: Federal Power Commission

DO: Director Order  
 EO: Executive Order  
 SO: Secretarial Order  
 BO: Bureau Order  
 FO: FERC Order  
 PL: Public Law

**Segregative Effect:**

- A: Withdrawn from operation of the general land laws, the Mining law, and the Mineral Leasing Act
- B: Withdrawn from operations of the General Land and Mining Laws
- C: Withdrawn from operation of the General Land Law
- D: Withdrawn from operation of the General Land Law, open to mining subject to Public Law 359
- E: Withdrawn from operation of the General Land Law, withdrawn from mining except metalliferous

**Recommendation:**

Continue-C Revoke-R

# Appendix N: Implementation and Monitoring

## Introduction

An implementation and monitoring schedule helps to focus priorities in order to leverage multiple resources, identifies key partnerships where mutual interests can be met with minimum costs, and provides specific interests an opportunity to focus resources on areas of specialized interest.

Currently, without public comment on alternatives and the selection of a Proposed Action, creating an implementation and monitoring plan would be premature. The following is provided to identify the process, necessary elements, timeline, and broad scale questions that will guide the development of an implementation and monitoring plan. The implementation and monitoring plan will be developed with stakeholder involvement shortly after the Record of Decision and Final Resource Management Plan are published.

## Collaborative Approach and Regional Framework

The Draft John Day Basin Resource Management Plan was developed with input from diverse public outreaches, cooperators, and the John Day/Snake Resource Advisory Council. That approach will also be applied to develop an implementation and monitoring schedule for the objectives and anticipated outcomes of the John Day Basin Resource Management Plan.

## Implementation and Monitoring Schedule

Successfully implementing the long-term vision of the John Day Basin Resource Management Plan will be supported by a strategic implementation and monitoring framework that includes descriptions of the following:

1. task & resource estimates to get to on-the ground implementation
2. 1 priority areas for resource focus (See Objectives: S3, V4 and 5, FU2, AQ3, W4, and AC5 for resource specific prioritization criteria)
  - a. integration of basin-wide interest
    - i. Watershed councils
    - ii. Community Wildfire Protection Plans
    - iii. Malheur, Ochoco, and Umatilla National Forests
    - iv. ODF&W conservation opportunity areas
  - b. relative costs/benefits of choices
  - c. 1 resource/community benefits/needs
  - d. partnership opportunities
  - e. funding strategies
3. 1 partnerships
  - a. stewardship opportunities
  - b. opportunities for administration or cost sharing
  - c. 1 volunteers
  - d. complementary basin or regional efforts
    - i. Bonneville Power Administration - John Day Sub-basin draft plan - 2005
    - ii. The Nature Conservancy – Ecoregional Assessment
4. 1 effective measures for establishing periodic “course corrections”
  - a. adaptive management (See Objectives AC5, R8, and R9. for identified adaptive management criteria)
  - b. plan maintenance

- c. 1 regional and basin-wide monitoring frameworks
- d. appropriate data collection and analysis - MONITORING  
RMP monitoring differs from activity or program specific monitoring in that it looks at progress on a landscape basis and focuses on trends as they relate to the achievement of objectives that designed to move conditions toward Desired Future Condition (DFC).
  - i. implementation monitoring – would record what, when, where, and how the plan has been followed, including legal requirements and agency policies. Implementation monitoring would occur at one-year intervals and would provide a basis for annual budgeting.
  - ii. effectiveness monitoring – were the implemented projects/plan guidance effective at moving conditions towards the objectives and long term vision of the RMP.
  - iii. plan evaluation – has there been a significant change in the science, issues, or knowledge gained from effectiveness monitoring that would call for a change in RMP direction.

Conditions that might warrant a change in the RMP include:

- 1 New information or circumstances that provide for interpretations not known or understood when the RMP was completed that could significantly affect ongoing actions.
- 1 RMP decisions that are no longer valid based on new information or changed circumstances.
- 1 Implementation decisions that are no longer valid based on new information or changed circumstances.
- 1 Effects of proposed or ongoing actions that are substantially different than those projected in the Environmental Impact Statement (EIS).
- 1 Inconsistencies that arise between RMP actions and other resource-related plans.

The understanding gained through a comprehensive review of all the monitoring data is critical to managing sustainable, healthy, and productive habitats. Evaluation and assessment would occur at five-year intervals. Conditions that indicate conditions that reflect a movement away from DFC may indicate a need to change or adjust management. Results from program specific monitoring could provide additional indicators for change.

Minor changes, refinements, or clarifications in the plan are maintenance actions that incorporate data from monitoring. Plan maintenance actions would not expand the scope of resource uses or restrictions or change the terms, conditions, or decisions of the approved John Day Basin RMP/EIS. Maintenance actions do not require formal public involvement, Tribal consultations, or interagency coordination. Major changes to the plan, however, would require a plan amendment, formal public involvement, interagency coordination, and Tribal consultations, and NEPA analysis.

## **MONITORING QUESTIONS**

To better guide development of a strategic monitoring plan the ID team has developed broad scale monitoring questions. Public feedback on these monitoring questions and input from stakeholders will be use to develop a specific monitoring plan. These questions are intended to provide a landscape scale picture of trend as it relates to Desired Future Conditions and the effectiveness of plan direction at addressing issues identified in the Purpose and Need.

### **Implementation Monitoring:**

- 1 Are actions and projects being implemented in the locations, amounts, and manner specified in the RMP?
- 1 Are BMPs being applied?
- 1 Are projects being implemented in accord with resource specific and implementation plan priorities?

## Effectiveness Monitoring:

- 1 Are BLM actions moving at-risk riparian/aquatic areas toward PFC?
- 1 Are BLM actions moving 5% of the areas at PFC toward desired potential conditions?
- 1 Are BLM actions moving vegetative conditions toward ARV?
- 1 Are BLM actions maintaining or reducing the extent of noxious weeds and invasive annuals?
- 1 Are BLM actions developing conditions where fire can be managed in a safe and ecologically resilient manner?
- 1 Are OHV and Interim/Designated route designations providing adequate access to and opportunities for use of public lands?
- 1 Are OHV and Interim/Designated route designations meeting resource objectives such as wildlife security, limiting erosion, providing areas of non-motorized recreation, etc.? 1
- 1 Are BLM actions and designations on the North Fork acquired lands providing recreational opportunities while protecting unique fish and wildlife resources?

The following resource specific monitoring will be used to help answer plan level monitoring needs:

Air Quality .....	N-3
Vegetation .....	N-3
Fire and Fuels .....	N-3
Aquatic Resources .....	N-4
Wildlife .....	N-4
Wilderness Study Areas .....	N-4
Areas of Critical Environmental Concern .....	N-4
Recreation .....	N-5
Paleontological Resources.....	N-5

### Air Quality

There is an air quality monitoring network developed for Oregon that will be used to determine whether the national ambient air quality standards are met; monitoring stations are located in La Grande, Baker City, Burns, and John Day. This monitoring network will continue be used to determine background pollution levels which can help measure emissions increases during fire events.

### Vegetation

Treatment monitoring will be done consistent with the Central Oregon Fire Management Services Fuels Monitoring Strategy or its successor.

Changes in ARV (Geographic distribution, magnitude, and cause).

### Fire and Fuels

Fuels treatment monitoring will be done consistent with the Central Oregon Fire Management Services Fuels Monitoring Strategy or its successor.

Changes in FRCC (Geographic distribution, magnitude, cause)

Number of fires where the fire management objective was in whole or part to achieve resource benefit.

## **Aquatic Resources (ACS Monitoring and Inventory )**

### **Inventory**

During field assessments aquatic or other resources, update riparian photo points and PFC inventories of lentic areas, all fish bearing stream, and on perennial, perennial interrupted and intermittent streams greater than ¼ mile or ½ acre. Update inventory during assessments if previous inventories indicate non attainment, are older than 3 years, or both.

### **Monitoring**

- 1 Continue to participate in PACFISH INFISH Effectiveness Monitoring (PIBO), if it is continued at the regional scale.
- 1 Monitor the most limiting factor on PFC assessments where streams and lentic areas are not at PFC (approximately 25% of streams). PFC assessments (USDI 1988 and 1999) and activity level planning shall guide the identification of specific riparian attributes of vegetation, hydrology/geomorphology and erosion/deposition to be monitored. Selection of monitoring technique will be unique to the topic, site, and recent science but is likely to include photo monitoring. Monitoring frequency must be accomplished at least every 10 years in order to be meaningful for the next land use plan.
- 1 At the watershed scale (5th field HUC; up to 250,000 acres), evaluate the percentage of routes passing 100 year flood with a natural geometry, slope, & bed stability and with safe passage for aquatic organisms. Are active and passive restoration actions allowing an upward trend toward desired conditions for streambank stability, water quality and width to depth ratios?
- 1 Evaluate improvements in vegetation (streambank stability) and channel width to depth ratios on major river (Wild and Scenic Segments) and the acquired land on the North Fork John Day.
- 1 Are active and passive restoration actions allowing an upward trend toward desired conditions for pools?
- 1 Survey pools on streams with essential fish habitat for rearing where segments of BLM are longer than ¼ mile BLM ownership. Repeat every 10 years.
- 1 Develop and continue to support BLM and joint efforts to monitor any water quality parameter of interest to a specific TMDL.

### **Wildlife**

Monitor the number of adult long-billed curlew on the Horn Butte reproductive area yearly between March and April.

### **Wilderness Study Areas**

Within available means, assure a level of monitoring and surveillance of each WSA adequate to prevent, detect, and mitigate unauthorized uses and facilities.

- 1 Establish partnerships with user groups who are willing to assist the BLM with WSA monitoring on a volunteer basis.

### **Areas of Critical Environmental Concern**

- 1 Monitor ecological conditions and uses within ACECs to ensure that management actions and resource uses within all existing and proposed ACECs are compatible with the values and resources for which they were established or proposed.
- 1 Establish long-term ecological monitoring for Black Canyon ACEC.

## Recreation

- 1 Use Limits of Acceptable Change identify areas where dispersed recreation is contributing to non-attainment of RMP resource objectives or recreation experience, or both. Actions to protect resources, such as campsite hardening, rehabilitation or closure, may be taken at any time, if necessary.
- 1 Monitor the 4,488 acre Rudio Plateau area annually to determine if ecological and social thresholds for Open OHV use have been exceeded. The Rudio Plateau area would remain seasonally Open unless one or more of the following triggers are exceeded, at which point the area would be Closed to off-route travel and limited to designated routes. The triggers for closure are:
  - When unmitigated motorized use for > 1 year will cause sensitive species to become listed as threatened or endangered, currently listed threatened or endangered species to be “taken”, or streams to become listed as 303d listed for not providing water quality for beneficial uses,
  - When BLM or its partners cannot afford to protect public safety or resource objectives, or resolve most conflicts with users or adjacent lands (see BMPs),
  - When detrimental soil disturbance exceeds 15 percent of the Rudio OHV area, or
  - If BLM or its partners are no longer monitoring motorized use, special status species, soil disturbance or other relevant resource values.
- 1 Monitor visitor use on the 4,488 acre Rudio Plateau to determine if changes are needed in transportation or other activity planning.

## Paleontological Resources

- 1 Periodically monitor for unauthorized disturbances to and locality condition of paleontological resources.
- 1 Monitor sites and conduct law enforcement patrols to discourage vandalism and check site conditions.
- 1 Conduct reactive inventory, recording and evaluation on a project-specific level.
- 1 Periodically monitor for ARPA violations and site condition.
- 1 Conduct intensive and complete inventory in areas of high probability and/or potential high use not previously inventoried and which are not necessarily associated with specific projects.
- 1 Conduct limited site testing/salvage excavation where appropriate.



# Appendix O: Priority Species Assessment

**ISSSSP:** State Director's Special Status Species List for the Oregon/Washington Bureau of Land Management (BLM) for Sensitive species lists.

**CSLB -Focal species:** Partners in Flight Conservation Strategy for Landbirds Focal Species:

The strategy for achieving functioning ecosystems for landbirds is described through the habitat requirements of "focal species" that are highly associated with important attributes or conditions within each habitat type. The rationale for using focal species is to draw immediate attention to habitat attributes most in need of conservation or most important in a functioning ecosystem. By managing for a group of species representative of important components in a functioning ecosystem, many other species and elements of biodiversity also will be conserved.

**(LI) Locally Important Species:** Designated for interest shown by the state and public.

## Grassland Priority Species

Priority Species	Species Status	Key Habitat Features
Washington ground squirrel	ISSSSP	Areas of high grass cover, on deep soils with low clay content.
Grasshopper sparrow	CSLB -Focal species and ISSSSP	Large patches of grass cover with few to no shrubs.
Bobolink	ISSSSP	Tall grass areas, flooded meadows, and prairies.
Upland sandpiper	CSLB -Focal species and ISSSSP	Large areas of short grass interspersed or adjacent to taller grasses.
Mule deer	LI	Coniferous forests, desert shrub and grasslands with shrubs.
Antelope	LI	Grasslands with mix of forbs and shrubs.

## Shrubland Priority Species

Priority Species	Species Status	Key Habitat Features
Greater sage grouse	CSLB -Focal species and ISSSSP	Big sagebrush dominated habitats with diverse understories of grasses and forbs.
Loggerhead shrike	CSLB -Focal species	Shrubs or small junipers for nesting.
Sage sparrow	CSLB -Focal species	Large patches of big sagebrush.
Pygmy rabbit	ISSSSP	Burrow in tall, dense, mature sagebrush plants; need deep, friable soils for burrows.
Brewer's sparrow	CSLB -Focal species	Areas of sagebrush in desert, and shrubland/ chaparral.
Sage thrasher	CSLB -Focal species	Big sagebrush plains, primarily in arid or semi-arid situations.
Lark sparrow	CSLB -Focal species	Ecotonal edges in herbaceous, shrub, and tree habitats.
Burrowing owl	CSLB -Focal species	Grass-(or shrub) dominated habitats; associated with burrowing animals
Antelope	LI	Grasslands with mix of forbs and shrubs
Mule deer	LI	Coniferous forests, desert shrub and grasslands with shrubs.
Elk	LI	Alpine, Conifer, Hardwood and Mixed Woodlands and Forests, Grassland/herbaceous, Savanna and Shrublands.

### Juniper Steppe Priority Species

Priority Species	Species Status	Key Habitat Features
Ferruginous Hawk	CSLB -Focal species	Scattered, mature juniper trees
Antelope	LI	Grasslands with mix of forbs and shrubs
Mule deer	LI	Coniferous forests, desert shrub, and grasslands with shrubs.
Elk	LI	Alpine, Conifer, Hardwood and Mixed Woodlands and Forests, Grasslandherbaceous, Savanna and Shrublands.

### Forest Priority Species

Priority Species	Species Status	Key Habitat Features
Lewis' woodpecker	ISSSSP and CSLB -Focal species	Patches of burned old trees usually in low elevation forests, including pine and cottonwood riparian.
Chipping sparrow	CSLB -Focal species	Open forest with well-developed under story in ponderosa pine, Douglas-fir, and grand-fir.
White-headed woodpecker	ISSSSP & CSLB -Focal species	Large pine trees in pure pine and mixed conifer stands (Dry Forest types)
Flammulated owl	CSLB -Focal species	Large pine trees in old forest with grassy openings and dense thickets (Dry forest types).
Townsend's big-eared bat	ISSSSP	Uses caves and bark of large trees in forested regions, areas with a mosaic of woodland, grassland, and/or shrubland.
Mule deer	LI	Coniferous forests, desert shrub and grasslands with shrubs.
Elk	LI	Alpine, Conifer, Hardwood and Mixed Woodlands and Forests, Grassland/herbaceous, Savanna and Shrublands.

**Riparian Priority Species**

Priority Species	Species Status	Key Habitat Features
Bald eagle	ISSSSP	Large diameter trees along rivers and lakes. Forages for fish or waterfowl on water.
Peregrine falcon	ISSSSP	Riparian areas from seacoasts, to mountainous open forests where there are suitable nesting cliffs.
Yellow-billed cuckoo	CSLB -Focal species	Large patches of cottonwood and willow riparian woodlands.
Upland sandpiper	CSLB -Focal species and ISSSSP	Large areas of short grass interspersed or adjacent to taller grasses.
Tricolored blackbird	ISSSSP	Fresh-water marshes of cattails, tules, bulrushes and sedges
Bobolink	ISSSSP	Tall grass areas, flooded meadows, and prairies.
Black swift	ISSSSP	Waterfalls and wet cliffs near forests and open areas.
Lewis' woodpecker	ISSSSP and CSLB -Focal species	Patches of burned old trees usually in low elevation forests, including pine and cottonwood riparian.
Bufflehead	ISSSSP	Riparian vegetation along marshes, rivers, and lakes.
Silver-Bordered Fritillary	ISSSSP	Wet areas in meadows, bogs, marshes, and swamps.
Meadow Fritillary	ISSSSP	Wet areas in marshes, meadows, and aspen groves.

**Cliff and Canyon Priority Species**

Priority Species	Species Status	Key Habitat Features
Prairie falcons	CSLB -Focal species	Primarily open situations, especially in mountainous areas, steppe, plains or prairies adjacent to potential cliff nest sites
Fringed myotis	ISSSSP	Caves, cliffs and mines in deserts, grasslands, woodlands and forests.
Spotted bats	ISSSSP	Cliffs and caves from desert to montane coniferous stands.
Pallid bat	ISSSSP	Arid deserts and grasslands, often near rocky outcrops and water
Townsend's big-eared bat	ISSSSP	Uses caves and bark of large trees in forested regions, areas with a mosaic of woodland, grassland, and/or shrubland
Bighorn sheep	LI	Cliffs, rock rims, rock outcroppings, and bluffs with sparse cover of trees or shrubs



# Appendix P: Common and Scientific Names

Below is a table of the common names of plants as given by the USDA and their scientific names. Some common names are known by another name, as indicated in the parenthesis.

## Plants

Common Name	Scientific Name	Code
Alkali sacaton	<i>Sporobolus airoides</i>	SPAI
American speedwell	<i>Veronica americana</i>	VEAM2
antelope bitterbrush	<i>Purshia tridentata</i>	PUTR (2)
arrowleaf balsamroot	<i>Balsamorhiza sagittata</i>	BASA
arrowleaf thelypody	<i>Thelypodium eucosmum</i>	THEU
aster	<i>Aster</i> sp.	ASTER
Baltic rush	<i>Juncus balticus</i>	JUBAB2
basin big sagebrush	<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	ARTR (2)
basin wildrye (Great Basin wild rye)	<i>Leymus cinereus</i>	LECI4
bigseed biscuitroot	<i>Lomatium macrocarpum</i>	LOMA
black cottonwood	<i>Populus balsamifera</i> ssp. <i>trichocarpa</i>	POPUL
black currant	<i>Ribes hudsonianum</i>	RIBES
blue elder (blue elderberry)	<i>Sambucus nigra</i> ssp. <i>caerulea</i>	SANIC5
bluebells	<i>Mertensia</i> sp.	MERTE
bluebunch wheatgrass	<i>Agropyron spicatum</i>	AGSP
bluebunch wheatgrass	<i>Pseudoroegneria spicata</i>	PSSP (6, S)
bride's bonnet (queen's cup beadleily)	<i>Clintonia uniflora</i>	CLUN2
broadleaf cattail	<i>Typha latifolia</i>	TYLA
chairmaker's bulrush (three square bulrush)	<i>Schoenoplectus americanus</i>	SCAM6
cheatgrass	<i>Bromus tectorum</i> var. <i>tectorum</i>	BRTE
choke cherry	<i>Prunus virginiana</i>	PRVI
clasping pepperweed	<i>Lepidium perfoliatum</i>	LEPE2
cocklebur	<i>Xanthium</i> sp.	XANTH2
Columbia monkshood	<i>Aconitum columbianum</i>	ACCO4
common snowberry	<i>Symphoricarpos albus</i>	SYAL
common spikerush	<i>Eleocharis palustris</i>	ELPA3
cryptantha	<i>Cryptantha</i> sp.	CRYP
Dalmatian toadflax	<i>Linaria dalmatica</i>	LIDA
dawn redwood	<i>Metasequoia glyptostroboides</i>	MEGL8
diffuse knapweed	<i>Centaurea diffusa</i>	CEDI3
Douglas-fir	<i>Pseudotsuga menziesii</i>	PSME
dwarf suncup (dwarf evening-primrose)	<i>Camissonia pygmaea</i>	CAPY5

## Plants

Common Name	Scientific Name	Code
elk sedge	<i>Carex garberi</i>	CAGA3
Englemann spruce	<i>Picea engelmannii</i>	PIEN
fiddleneck	<i>Amsinckia</i> sp.	AMSIN
field horsetail	<i>Equisetum arvense</i>	EQAR
fireweed	<i>Chamerion angustifolium</i>	CHAN9
fleabane	<i>Erigeron</i> sp.	ERIGE2
fringed willowherb (hairy willowherb)	<i>Epilobium ciliatum</i>	EPCI
Geyer's sedge	<i>Carex geeyeri</i>	CAGE2
grand fir	<i>Abies grandis</i>	ABGR
gray alder (mountain alder)	<i>Alnus incana</i>	ALNUS
gray rabbitbrush	<i>Ericameria nauseosa</i>	ERNA1
greasewood	<i>Sarcobatus vermiculatus</i>	SAVE4
greenleaf fescue (green fescue)	<i>Festuca viridula</i>	FEVI
grouse whortleberry (grouse huckleberry)	<i>Vaccinium scoparium</i>	VASC
hardheads (Russian knapweed)	<i>Acroptilon repens</i>	ACRE3
heartleaf arnica	<i>Arnica cordifolia</i>	ARCO9
Hood's sedge	<i>Carex hoodii</i>	CAHO5
Indian ricegrass	<i>Achnatherum hymenoides</i>	ACHY
Jacob's-ladder	<i>Polemonium pulcherrimum</i>	POPU3
largeleaf sandwort (bigleaf sandwort)	<i>Moehringia macrophylla</i>	MOMA3
leafy spurge	<i>Euphorbia esula</i>	EUES
Lewis' mockorange	<i>Philadelphus lewisii</i>	PHLE4
little prince's pine (prince's pine)	<i>Chimaphila menziesii</i>	CHME
little sagebrush (low sagebrush)	<i>Artemisia arbuscula</i>	ARAR8
lodgepole pine	<i>Pinus contorta</i>	PICO
lupine	<i>Lupinus</i> sp.	LUPIN
mallow-leaf ninebark	<i>Physocarpus malvaceus</i>	PHMA5
medusahead (medusahead rye)	<i>Taeniatherum caput-medusae</i>	TACA8
mountain big sagebrush	<i>Artemisia tridentata</i> ssp. <i>vaseyana</i>	ARTRV
mountain snowberry	<i>Symphoricarpos oreophilus</i>	SYOR (2)
mountain-mahogany	<i>Cercocarpus ledifolius</i>	CELE3
naked sedge (torrent sedge)	<i>Carex nudata</i>	CANU5
narrowleaf mock goldenweed	<i>Stenotus stenophyllus</i>	STST5
Nebraska sedge	<i>Carex nebrascensis</i>	CANE2
needle-and-thread	<i>Hesperostipa comata</i>	HECO26
netleaf hackberry	<i>Celtis laevigata</i> var. <i>reticulata</i>	CELAR
oceanspray	<i>Holodiscus dumosus</i>	HODI
Pacific ninebark	<i>Physocarpus capitatus</i>	PHCA11

## Plants

Common Name	Scientific Name	Code
Parry's rush	<i>Juncus parryi</i>	JUPA
peachleaf willow	<i>Salix amygdaloides</i>	SAAM2
pine	<i>Pinus</i> sp.	PINUS
pinegrass	<i>Calamagrostis rubescens</i>	CARU
poison hemlock	<i>Conium maculatum</i>	COMA2
ponderosa pine	<i>Pinus ponderosa</i>	PIPO
prickly currant	<i>Ribes lacustre</i>	RILA
prickly sandwort	<i>Arenaria aculeata</i>	ARAC2
puncturevine	<i>Tribulus terrestris</i>	TRTE
purple loosestrife	<i>Lythrum salicaria</i>	LYSA2
quackgrass	<i>Elymus repens</i>	ELRE4
quaking aspen	<i>Populus tremuloides</i>	POTR (5)
rabbitbrush	<i>Chrysothamnus</i> sp.	CHRYS
ragwort	<i>Senecio</i> sp.	SENEC
redosier dogwood	<i>Cornus sericea</i>	COSE16
reed canarygrass	<i>Phalaris arundinacea</i>	PHAR3
Rocky Mountain maple	<i>Acer glabrum</i>	ACGL
rose spirea	<i>Spiraea douglasii</i>	SPDO
rush skeletonweed	<i>Chondrilla juncea</i>	CHJU
saltgrass	<i>Distichlis</i> sp.	DISTI
sandbar or coyote willow	<i>Salix exigua</i>	SAIN3
Sandberg bluegrass	<i>Poa secunda</i>	POSE
scabland penstemon (hot rock penstemon)	<i>Penstemon deustus</i> var. <i>variabilis</i>	PEDEV2
scabland sagebrush	<i>Artemisia rigida</i>	ARRI2
Scotch cottonthistle (Scotch thistle)	<i>Onopordum acanthium</i>	ONAC
Scouler's willow	<i>Salix scouleriana</i>	SASC
sedge	<i>Carex</i> sp.	CAREX
sidebells	<i>Orthilia secunda</i>	ORSE
slenderbeak sedge	<i>Carex athrostachya</i>	CAAT3
snowberry	<i>Symphoricarpos</i> sp.	SYMPH
snowbrush ceanothus	<i>Ceanothus velutinus</i>	CEVE
spiny greasebush (Nevada greasebush)	<i>Glossopetalon spinescens</i> var. <i>aridum</i>	GLSPA
spiny hopsage	<i>Grayia spinosa</i>	GRSP
spotted knapweed	<i>Centaurea stoebe</i>	CEST8
spruce	<i>Picea</i> sp.	PICEA
squirreltail	<i>Elymus elymoides</i>	ELEL5
St. Jacob texosporium lichen	<i>Texosporium sancti-jacobi</i>	TESA
stinging nettle	<i>Urtica dioica</i>	URDI
subalpine fir	<i>Abies lasiocarpa</i> var. <i>lasiocarpa</i>	ABLAL or ABLA

## Plants

Common Name	Scientific Name	Code
Common name	Scientific name	Code
tall annual willowherb	<i>Epilobium paniculatum</i>	EPPA
tamarisk	<i>Tamarix</i> sp.	TMAR2
thinleaf huckleberry	<i>Vaccinium membranaceum</i>	VAME
Thurber's needlegrass	<i>Achnatherum thurberianum</i>	ACTH7
thymeleaf buckwheat	<i>Eriogonum thymoides</i>	ERTH4
tomcat clover (springbank clover)	<i>Trifolium willdenowii</i>	TRWI3
transparent milkvetch	<i>Astragalus diaphanus</i>	ASDI2
tufted hairgrass	<i>Deschampsia caespitosa</i>	DECA (1)
twinflower	<i>Linnaea borealis</i>	LIBO3
water birch	<i>Betula occidentalis</i>	BEOC2
wavyleaf thistle	<i>Cirsium undulatum</i>	CIUN
wax currant	<i>Ribes cereum</i>	RICE
western clematis	<i>Clematis ligusticifolia</i>	CLLI2
western juniper	<i>Juniperus occidentalis</i>	JUOC or JUNIP
western larch	<i>Larix occidentalis</i>	LAOC
western needlegrass	<i>Achnatherum occidentale</i> ssp. <i>occidentale</i>	ACOC3 or ACOCO
white alder	<i>Alnus rhombifolia</i>	ALRH2
white fir	<i>Abies concolor</i>	ABCO
white top	<i>Cardaria draba</i>	CADR
whitebark pine	<i>Pinus albicaulis</i>	PIAL
willow	<i>Salix</i> sp.	SALIX
willowherb	<i>Epilobium</i> sp.	EPILO
winter wheat	<i>Triticum</i> sp.	
Woods' rose	<i>Rosa woodsii</i>	ROWO
woolly sedge	<i>Carex pellita</i>	CAPE42
Wyoming big sagebrush	<i>Artemisia tridentata</i> ssp. <i>wyomingensis</i>	ARTRW
yellow rabbitbrush	<i>Chrysothamnus viscidiflorus</i>	CHVI8
yellow star-thistle	<i>Centaurea solstitialis</i>	CESO3

## Fish

Common Name	Scientific Name
bull trout	<i>Salvelinus confluentus</i>
channel catfish	<i>Ictalurus punctatus</i>
Chinook salmon	<i>Oncorhynchus tshawytscha</i>
interior redband trout DPS	<i>Oncorhynchus mykiss</i>
Lahonton cutthroat	<i>Oncorhynchus clarki hendersoni</i>
Pacific lamprey	<i>Lampetra tridentata</i>
smallmouth bass	<i>Micropterus dolomieu</i>
summer steelhead DPS	<i>Oncorhynchus mykiss</i>
westslope cutthroat trout	<i>Oncorhynchus clarki lewisi</i>
Yellowstone cutthroat	<i>Oncorhynchus clarki bouvieri</i>

## Animals

Common Name	Scientific Name
antelope	<i>Antilocapra americana</i>
bald eagle	<i>Haliaeetus leucocephalus</i>
black bear	<i>Ursus americanus</i>
California big horn sheep	<i>Ovis canadensis californiana</i>
California quail	<i>Callipepla californica</i>
Canadian Lynx	<i>Lynx canadensis</i>
chukar	<i>Alectoris chukar</i>
Columbia Spotted Frog	<i>Rana luteiventris</i> pop. 3
Columbian sharp-tailed grouse	<i>Tympanuchus phasianellus columbianus</i>
cougar	<i>Puma concolor</i>
elk	<i>Cervus elephus</i>
gray wolf	<i>Canis lupus</i>
grizzly bear	<i>Ursus arctos</i>
Lewis' woodpeckers	<i>Melanerpes lewis</i>
long-billed curlew	<i>Numenius americanus</i>
mountain quail	<i>Oreortyx pictus</i>
mule deer	<i>Odocoileus hemionus</i>
peregrine falcon	<i>Falco peregrinus</i>
sage grouse	<i>Centrocercus urophasianus phaios</i>
Swainson's hawk	<i>Buteo swainsoni</i>
Washington ground squirrel	<i>Spermophilus washingtoni</i>
wild turkey	<i>Meleagris gallopavo</i>
yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>



# Appendix Q: Wildlife and Vegetation Species associated with Riparian Areas

Some of the Species addressed by Appropriate Management of Their Habitat in Stream Channels and Floodplains

Species	Comment
American Dipper	Observed within planning area
American Goldfinch	Observed within planning area
American Robin	Observed within planning area
Arrow-leaf Thelypody	BLM is largest public landowner of sites and habitat and plays major role in management. Much of its suspected habitat has been inventoried. Management actions which could affect include livestock grazing, riparian treatment, road construction/maintenance. The plant is listed as "threatened" by the State of Oregon.
Ash-throated Flycatcher	Observed within planning area
Audubon's Warbler	Observed within planning area
Bald Eagle	Threatened as described in the Endangered Species Act. 1999 USFWS proposed a rule to remove it from the list of Threatened and Endangered Wildlife in the Lower 48 states.
Bank Swallow	Observed within planning area
Barn Swallow	Observed within planning area
Belted Kingfisher	Observed within planning area
Black-billed Magpie	Observed within planning area
Black-capped Chickadee	Observed within planning area
Black-chinned Hummingbird	Observed within planning area
Bobolink	Added at the suggestion of wildlife biologist April 2007
Brewer's Blackbird	Observed within planning area
Brewer's Sparrow	Observed within planning area
Bull trout	Listed as Threatened under ESA
Bullock's Oriole	Observed within planning area
Bushtit	Observed within planning area
California bighorn sheep	Stream channel and function are important habitats, but not as critical as the cliff and canyon land community.
California Quail	Observed within planning area
Calliope Hummingbird	Observed within planning area
Canada Goose	Observed within planning area
Canyon Wren	Observed within planning area
Catfish	Non-native species
Cedar Waxwing	Observed within planning area
Chinook salmon	Monitored by ODFW. Important native game species

**Some of the Species addressed by Appropriate Management of Their Habitat in Stream Channels and Floodplains**

Species	Comment
Chipping Sparrow	Observed within planning area
Chukar	Observed within planning area Non-native
Cliff Swallow	Observed within planning area
Columbia Cress	This species is not known from lands within the planning area but is suspected due to its habitat (gravel along water courses and alkaline vernal ponds) and its disjunct occurrences in Oregon and Washington (Silver Lake, Multnomah Co., Hanford). It has not been purposely surveyed for and it is unlikely that BLM management would affect this species if it does, indeed, occur on BLM land in the planning area.
Common Merganser	Observed within planning area
Common Nighthawk	Observed within planning area
Common Raven	Observed within planning area
Common Yellowthroat	Observed within planning area
Downy Woodpecker	Observed within planning area
Eastern Kingbird	Observed within planning area
Floater Mussels	Found in John Day River
Gray Flycatcher	Observed within planning area
Great Blue Heron	Observed within planning area
Green-tailed Towhee	Hillary Cooke sampled on local BLM riparian
House Finch	Observed within planning area
House Sparrow	Observed within planning area
House Wren	Observed within planning area
Interior redband trout	Sensitive species
Killdeer	Observed within planning area
Lark Sparrow	Hillary Cooke sampled on local BLM riparian
Lazuli Bunting	Observed within planning area
Least Flycatcher	Observed within planning area
Lewis' Woodpecker	Observed within planning area
Loggerhead Shrike	Observed within planning area
Malhuer mottled sculpin	
Mallard	Observed within planning area
McGillivray's Warbler	Observed within planning area
Middle Columbia Steelhead	Monitored by ODFW. Threatened under ESA
Mountain Chickadee	Observed within planning area
Mourning Dove	Hillary Cooke sampled on local BLM riparian
Northern Flicker	Observed within planning area
Northern Harrier	Observed within planning area
Northern Rough-winged Swallow	Observed within planning area
Olive-sided Flycatcher	Observed within planning area

### Some of the Species addressed by Appropriate Management of Their Habitat in Stream Channels and Floodplains

Species	Comment
Orange-crowned Warbler	Observed within planning area
Oregon Junco	Observed within planning area
Pacific Lamprey	Sensitive species
Parry's Sedge	This species is not known from lands within the planning area but is suspected due to its meadow habitat and that it is known from a site in the Burns RD in Grant County. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area, livestock grazing, forest management and access would be the greatest concerns.
Peck's Mariposa Lily	This species is not known from BLM lands within the planning area but is suspected due to its meadow and riparian habitat. A number of sites have been documented in Crook and Wheeler counties, especially in and around Big Summit Prairie. It has not been purposely surveyed for on BLM lands within the planning area. If it were to be found, livestock grazing, forest management, changes in hydrology and access would be the greatest concerns.
Peregrine Falcon	De-listed from ESA in 1999; however, the peregrine is protected by the Migratory Bird Treaty Act.
Red-breasted Nuthatch	Observed within planning area
Red-tailed Hawk	Observed within planning area
Red-winged Blackbird	Observed within planning area
Retrose Sedge	This species is not known from BLM lands within the planning area but is suspected due to its riparian habitat and widespread collections from such diverse areas as Echo, Sauvie Island, Eugene, and Jefferson and Wasco counties. It has not been purposely surveyed for. Livestock grazing, forestry practices, access and changes in hydrology could all affect this taxon. It is unlikely BLM would play a major management role if it were found on BLM land.
Ring-necked Pheasant	Observed within planning area
Rock Dove	Observed within planning area
Rock Wren	Observed within planning area
Rufous Hummingbird	Observed within planning area
Sandhill Crane	Suggested addition from Wildlife Biologist on April 13, 2007
Say's Phoebe	Observed within planning area
Scalloped Moonwort	This species is not known from BLM lands within the planning area but is suspected due to its riparian habitat and current collections from moist meadows and intermittent springs in the Ochocos and in Grant and Wheeler counties. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area, livestock grazing, forest management, changes in hydrology and access would be the greatest concerns
Small Mouth Bass	Non-native species
Snails	Any perennial spring might have snails that no one has seen before. There are 5 different species found in the planning area. Two of them may already be extinct.
Song Sparrow	Observed within planning area

**Some of the Species addressed by Appropriate Management of Their Habitat in Stream Channels and Floodplains**

Species	Comment
Spotted Sandpiper	Observed within planning area
Spotted Towhee	Observed within planning area
Stellar's Jay	Hillary Cooke Sampled on local BLM riparian
Tree Swallow	Observed within planning area
Triangle-lobe Moonwort	This species is not known from BLM lands within the planning area but is marginally suspected due to its habitat (wet meadows, streams, and bogs in higher elevation forest) and the fact that it is known from both Grant and Wheeler counties. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area, livestock grazing, forest management, alterations in hydrology, and access would be the greatest concerns.
Turkey Vulture	Observed within planning area
Vaux's Swift	Observed within planning area
Violet-green Swallow	Observed within planning area
Warbling Vireo	Observed within planning area
Western Kingbird	Observed within planning area
Western Meadowlark	Observed within planning area
Western Scrub Jay	Observed within planning area
Western Tanager	Observed within planning area
Western Wood-pewee	Observed within planning area
Westslope Cutthroat Trout	Sensitive species
White-crowned Sparrow	Observed within planning area
Wilson's Warbler	Hillary Cooke sampled on local BLM riparian
Yellow Warbler	Observed within planning area
Yellow-billed cuckoo	Federal Candidate species because of insufficient listing information.

### Some of the Species addressed by Appropriate Management of their Habitat in Playas, Ponding, and Lentic Areas

Species	Comment
American Goldfinch	The species may occur in the plan area lentic areas.
American Robin	The species may occur in the plan area lentic areas.
Ash-throated Flycatcher	The species may occur in the plan area lentic areas.
Bastard Kentrophyta	This species is not known from lands within the planning area but is suspected due to its habitat (ponderosa pine and big sagebrush) and its occurrence in the southern portion of the Blue Mountains. It has not been purposely surveyed for. While it is unlikely that BLM management would affect this species if it does, indeed, occur on BLM land in the planning area, any such sites would be important as range extensions.
Black-capped Chickadee	The species may occur in the plan area lentic areas.
Bobolink	Added at the suggestion of wildlife biologist April 2007
California bighorn sheep	This is a locally important species for economics and recreational hunting.
California Quail	The species may occur in the plan area lentic areas.
Chukar	This is a locally important species for economics and recreational hunting.
Columbia Cress	This species requires vernal pools - this is a more seasonal water source.
Cusion Coryphantha	This species is not known from lands within the planning area but is suspected due to its habitat (desert valleys and hills) and collections from Jefferson and Sherman counties. It has not been purposely surveyed for and it is unlikely that BLM management would affect this species if it does, indeed, occur on BLM land in the planning area.
Dwarf Scorpion-weed	This species is not known from lands within the planning area but is suspected due to its habitat (vernally-moist meadows and scablands) and current collections from NW of Prairie City and near Adrich Mtn. It has not been purposely surveyed for and it is unlikely that BLM management would affect this species if it does, indeed, occur on BLM land in the planning area.
Floater Mussels	<i>Freshwater Mussels of the Pacific Northwest</i> by Nedeau, and others referenced the presence of these mussels in the John Day River.
Hayden's Cymopterus	This species is not known from BLM lands within the planning area but is suspected due to its habitat (open, rocky and gravelly slopes) and current collections from above Canyon City. It has not been purposely surveyed for and it is unlikely that BLM management would affect this species if it does, indeed, occur on BLM land in the planning area.
Henderson's Ricegrass	This species is not known from BLM lands within the planning area but is suspected due to its habitat (rocky, bunchgrass scablands) and current collections from Grant, Wheeler, Jefferson, Wasco and Sherman counties. It has not been purposely surveyed for. If found on BLM land, concerns would center around livestock grazing management, although the majority of the management responsibility for this species likely would remain with the Forest Service since numerous sites are known there.
Howell's thelypody	This species is not known from lands within the planning area but is suspected due to its alkaline meadow habitat and historic collection from the Big Summit Prairie area. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area, livestock grazing and changes in hydrology would be the greatest concerns. It is currently considered as extirpated from Oregon with historic collections from Crook and Grant counties, and counties to the south.

**Some of the Species addressed by Appropriate Management of their Habitat in Playas, Ponding, and Lentic Areas**

Species	Comment
Narrow-leaved Sedge	This species is not known from lands within the planning area but is suspected due to its general habitat (open, dry to moderately moist, often grassy places). It has not been purposely surveyed for and is considered extirpated from Oregon. One site is known in Washington. If it were to be found on BLM land in the planning area, livestock grazing, forest management and access would be the greatest concerns.
Porcupine Sedge	Although not extensively surveyed for, the plant is known from about a dozen sites in the planning area, including near McCarty and Hay Creeks, and on Sutton Mountain. Habitat is "wet ground" along streams and meadows. Although BLM has several sites, it likely occurs on private land also, as well as on National Forest land. Therefore, BLM does not play a major role in its management. Activities that could affect the taxon include livestock grazing, access and changes in hydrology.
Raven's Lomatium	This species is not known from BLM lands within the planning area but is suspected due to its rocky scabland habitat and a current collection from near Prairie City. It has not been purposely surveyed for and it is unlikely that BLM management would affect this species if it does, indeed, occur in the planning area.
Sandhill Crane	Suggested addition from Wildlife Biologist April 13,2007
Seaside Helitrope	This species is not presently known from BLM lands within the planning area but is suspected due to its ubiquitous habitat (moist areas and roadsides) and current collections from counties surrounding the planning area. There is also a historic collection from near Moro. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area it is unlikely BLM management would have an impact on the plant.
Sesile Mouse Tail	This species requires vernal pools - this is a more seasonal water source.
Transparent Milkvetch	This plant is known from BLM land in the planning area, and with 22 known sites, BLM plays a major role in the management of this species. Extensive inventory has been conducted for this taxon. Concerns exist related to OHV use, livestock trailing/trampling, horse use, and road improvement. The plant is listed as "threatened" by the State of Oregon. Note: Some authors "lump" this variety with <i>Astragalus diaphanus</i> , which is more common in Wheeler, Sherman, Morrow and Umatilla counties.
Triangle-lobe Moonwort	This species is not known from lands within the planning area but is marginally suspected due to its habitat (wet meadows, streams and bogs in higher elevation forest) and the fact that it is known from both Grant and Wheeler counties. It has not been purposely surveyed for. If it were to be found on BLM land in the planning area, livestock grazing, forest management, alterations in hydrology, and access would be the greatest concerns.
Wallowa Rice Grass	This species is not known from lands within the planning area but is suspected due to its habitat (rocky, bunchgrass scablands) and current collections from both Crook and Walowa counties. It has not been purposely surveyed for. If it were found on BLM land in the planning area, BLM likely would have an important role in the species' conservation since sites are few and widely dispersed. Livestock grazing would be the greatest concern.
Yellow-billed Cuckoo	The species may occur in the plan area lentic areas.

# Appendix R: Social and Economic Analysis Methodology

This appendix provides more detail about the Social and Economic analyses of environmental consequences of the management alternatives than is provided in the Data, Methods, and Models section of Chapter 4.

## Forest Economic Analysis Spreadsheet Tool (FEAST)

The FEAST analysis used in Chapter 4 assesses the economic impacts of the resource outputs projected under each alternative. Resource outputs in this context are the amount of a resource (e.g., timber volume, AUMs, recreation visits etc.) that would be available for use under each alternative. Average annual resource outputs were projected by resource specialists for each alternative for the short term (10-year) planning period based on the best available information and professional judgment. Impacts to economic well-being are measured in terms of employment and labor income.

## Employment and Labor Income

Employment and labor income estimates developed for this analysis include direct, indirect, and induced economic effects. Direct employment would, for example, be generated in the logging and sawmill sectors. Additional employment would be generated as the affected logging and sawmill operations purchase services and materials as inputs (“indirect” effects) and employees spend their earnings within the local economy (“induced” effects).

Theoretically, expenditures associated with changes in final demand would be available and specific enough to allocate to each of the 528 sectors contained in the IMPLAN model. In the absence of primary data, national level production functions are used. Expenditures should be delineated between local and non-local providers, as purchases out of the economic study region will have no local economic impact. IMPLAN’s data contains information, called regional purchase coefficients, that describe the proportion of a given commodity that will be provided by local producers. Previous modeling experience has shown that the data contained in the IMPLAN modeling system for the various sectors are an accurate representation of impacts.

## Potentially affected social groups

The social analysis assesses the potential effects of different management actions on potentially affected social groups. These groups were identified based on studies contracted for this RMP (Preister 2006), the results of public scoping and comments received after the release of the Analysis of the Management Situation. This analysis addresses the potential impacts of the alternatives based on the issues and concerns raised by these groups during the public scoping process. The analysis draws upon ongoing discussions between the BLM and potentially affected publics, as well as discussions with subject matter experts involved in other parts of the analysis. The analysis is primarily qualitative with potential impacts ranked by alternative. Quantitative measures, such as acres in protected areas, harvest volumes, and recreation visitation, are used, as appropriate.

## Environmental Justice

The environmental justice analysis assesses the potential for the alternatives to have disproportionately high and adverse human health or environmental effects on minority and low income populations. The fair treatment and meaningful involvement of people of all races, cultures, and incomes in this planning process is also considered.



# Appendix S: Snags and Salvage

## Retention of Snag Pulses:

The following methodology describes how to identify an appropriate analysis area and measure the amount of area within a snag pulse. A snag pulse is an area at or above the 80% tolerance interval (see glossary and table below) by habitat type (DecAID, 2007).

## To calculate the size of the analysis area needed for snags pulses:

Acres of Habitat type affected by high mortality (insect epidemic, fire, etc.) divided by 0.2 gives the total acres of that habitat type that should be included in the analysis area. The size of the total analysis area would be the cumulative amount of each habitats resultant value. Minimum allowable analysis area would be 12,800 acres.

Habitat type	Acres with high mortality	Divided by 0.2
East Side Mixed Conifer	2,000	10,000
Ponderosa Pine/Douglas Fir	1,000	5,000
Lodgepole Pine Forest and Woodlands	500	2,500
Total Analysis Area Needed		17,500

Start by delineating a contiguous area which encompasses the amount of area identified in the step above for the habitat type that encompasses the largest amount of acreage. Make the area logical in terms of watershed or administrative boundaries. One option is to start with the 5th field HUC the project falls within and then add 6th field HUCs along the perimeter until the area requirement is met. The analysis area must contain the necessary acres for each habitat type.

Once the analysis area is identified a review of each habitat type within the analysis area will be made to determine the number of acres meeting the 80% tolerance level for snag densities listed in the table below. > 10" (Total) numbers provide a sufficient review. Areas are identified through the use of recent fire information, insect surveys, aerial photo interpretation or other broad data sources. If more detailed snag density information exists the > 20" data can be used.

Snag Densities per Acre at the 80% Tolerance Interval			
Habitat Type	Structure	> 10" (Total)	> 20"
East Side Mixed Conifer - Blue Mountains	Large Tree	21.21	9.11
	Open	58.32	12.79
	Small	25.25	8.62
Ponderosa Pine/Douglas-fir	Large Tree	13.27	10.76
	Open	15.58	5.30
	Small	7.16	2.51
Lodgepole Pine Forests and Woodlands	Large Tree	No Data	No Data
	Open	26.59	4.25
	Small	27.64	6.64

Multiply the total acres of each habitat type in the analysis area by 0.2 (expected pulse acres) then subtract the number of acres determined to be meeting the 80% tolerance level for each habitat type (existing pulse acres).

**Example:**

Total East Side Mixed Conifer – 40000 * 0.2 =	Expected Pulse Acres of	8,000
	Existing Pulse Acres	8,500
	Acres available for Salvage	500

If the resultant number is positive, that is the number of acres available for salvage logging. If the number is negative, the manager should consider not salvaging or retaining snag levels at the 80% tolerance level on salvage acres.



**United States Department of the Interior**  
**Bureau of Land Management**  
Prineville District Office  
3050 NE 3rd Street  
Prineville, OR 97754

**OFFICIAL BUSINESS**  
PENALTY FOR PRIVATE USE, \$300

**PRIORITY MAIL**  
**POSTAGE AND FEES PAID**  
Bureau of Land Management  
Permit No. G-76



**Bureau of Land Management**  
**Prineville District Office**

**BLM/OR/WA/PL-08/097+1792**

**Draft John Day Basin Resource Management Plan and Environmental Impact Statement  
Volume II: Appendices**

**October  
2008**