

## Appendix M – Energy and Minerals

This appendix contains the following:

- Trends in salable mineral developments
- Trends in locatable mineral developments and regulation for locatable mineral exploration and development activity
- Reasonably foreseeable leasable fluid mineral developments and proposed stipulations on leasable fluid mineral exploration and development activity
- Rankings of prospective mineral occurrence or development of special areas recommended for withdrawal from locatable mineral entry

### Trends in Salable Mineral Developments

**Table M-1** shows the estimated number of new quarries that would be developed or the existing sites that would require expansion for development per district over a 10-year period. Based on past BLM data, the BLM assumed 0.5 acres would be disturbed for each new site or expansion of an existing site. In this context, expansion means development beyond the existing quarry footprint. As **Table M-1** shows, the BLM estimates that 37 quarry developments or expansions would utilize 18.5 acres in the next 10 years.

**Table M-1.** Salable mineral development 10-year scenario for new or expanded quarry development

Quarries	Coos Bay	Eugene	Klamath Falls	Medford	Roseburg	Salem	Totals
Number of quarries	7	4	2	9	6	9	<b>37</b>
Acres	3.5	2	1	4.5	3	4.5	<b>18.5</b>

Note: The BLM assumes 0.5 acres per quarry.

### Trends in Locatable Mineral Development and Regulation

**Table M-2** and **Table M-3** show the estimated number of new or renewed Notices and new Plans of Operation that the BLM forecasts will be filed over the next ten years. This number does not include Notices or Plans of Operation for suction dredging. The BLM used past data to estimate the number of proposals and the acres per operation. This data showed that the average Notices is about 0.25 of an acre and the average Plan of Operation is about 3 acres. Based on the number of past submittals of mining proposals, the BLM estimates that 86 Notices and 24 Plans of Operation will be submitted over a 10-year period (**Table M-2**). These Notices would cover a total of 21 acres, with the majority in the Medford District. Approximately 24 Plans of Operation would cover 72 acres, also with the majority in the Medford District (**Table M-3**). New and renewed Notices or new Plans of Operation would utilize 93 acres over the next 10 years in the decision area.

**Table M-2.** Locatable mineral development 10-year scenario Notices

Notices	Coos Bay	Eugene	Klamath Falls	Medford	Roseburg	Salem	Totals
Number of new and renewed Notices	4	4	-	70	4	4	<b>86</b>
Acres	1	1	-	17	1	1	<b>21</b>

**Table M-3.** Locatable mineral development 10-year scenario Plans of Operation

<b>Plans</b>	<b>Coos Bay</b>	<b>Eugene</b>	<b>Klamath Falls</b>	<b>Medford</b>	<b>Roseburg</b>	<b>Salem</b>	<b>Totals</b>
Number of Plans of Operation	1	1	-	20	1	1	<b>24</b>
Acres	3	3	-	60	3	3	<b>72</b>

Mining is regulated by the Surface Management Regulations (43 CFR 3809) and Use and Occupancy under the Mining Laws (43 CFR 3715). It is the responsibility of the mining claimant/operator to prevent “unnecessary or undue degradation” (as defined in 43 CFR 3809.5 and 43 CFR 3809.415), to perform all necessary reclamation work, and to comply with relevant Federal and State regulations.

The BLM considers operations ordinarily resulting in negligible disturbance as defined in 43 CFR 3809.5 to be casual use, and the BLM does not require the operator to provide the BLM with notification. Operators of all mining activities exceeding casual use must file a Notice or Plan of Operation.

### **Reasonably Foreseeable Leasable Mineral Developments and Proposed Restrictions**

The Reasonably Foreseeable Mineral and Energy Developments from the 2008 FEIS (USDI BLM 2008, Appendix Q, pp. 564, 568–622) are incorporated here by reference.

The BLM has completed a review in 2015 of the fluid mineral reasonably foreseeable development scenarios (RFDs) for the 2008 FEIS. The intent of the review was to determine if the RFDs could be included into this EIS by reference. The review focused on whether the circumstances or research completed in the RFDs had substantially altered since 2008.

Discussions with Dr. Allan Niem (personal communication, 2013), the author or co-author of the predominantly referenced materials in this EIS, indicate that the geologic settings and interpreted petroleum plays and systems have not altered substantially. Dr. Niem’s current work is focusing on detailing his original research. No substantial publications have been issued since 2008 that would alter the RFDs interpretations. There are no concerns in incorporating by reference the fluid mineral resource portion of the RFDs from the 2008 FEIS.

Potential reasonably foreseeable development scenarios of the Coos Basin Coalbed Natural Gas (CBNG) Play, as described in the 2008 FEIS, were dependent upon industry interest and development, as well as natural gas prices, occurring in 2008. Between 2008 and the present, the gas prices have dropped more than three-fold, the original company involved with the Coos Basin development has gone into receivership through bankruptcy, and the current holder of the Coos Basin developments another company. The new holder has retained property interests, but intends to abandon permanently all but five wells, which are located in the shallow gases. The remaining five wells will be kept in long-term suspension (Bob Houston, Oregon Department of Geology and Mineral Industries, personal communication-multiple events, 2014 and 2015). Therefore, based on this more current information, the projected development of CBNG would have less disturbance than was projected in 2008.

However, a change in the development scenario of CBNG for this EIS is not warranted. Analysis of the projected infrastructure was completed, with resulting stipulations. Analysis does not guarantee development; any development less than the analysis do not create an exceedance of impact. A great many unknowns may occur within the life of this EIS and future RMP. Neither the geologic setting nor the mineral potential for CBNG has altered since 2008. The current operator is maintaining resource

extraction capabilities for future development. That development could occur under many highly feasible circumstances. The first is the potential development of a natural gas export facility in Coos Bay. Such systems would increase the market value of the Coos Basin CBNG and provide an immediate connection to market. Secondly, the domestic value of natural gas could increase. During the research of 2008, natural gas prices ranged up to \$15.00/MMcf at wellhead. It has since reached lows below \$3.00/MMcf. These market fluctuations illustrate that increases in the price of CBNG could make development of the Coos Basin viable. Based on this reasoning, the development scenarios within the 2008 FEIS is still valid and is incorporated here by reference.

## **Proposed Stipulations on Leasable Fluid Mineral Exploration and Development Activity**

Apply the following special stipulations for all forms of leasable fluid minerals, including geothermal, on specifically designated tracts of land as identified below.

### **No Surface Occupancy**

*Resource:* Eligible Wild and Scenic River segments

*Stipulation:* Surface occupancy and use are prohibited within all eligible Wild and Scenic River segments.

*Objective:* To protect eligible Wild and Scenic River segments.

*Exception:* An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

*Modification:* The boundaries of the stipulated area may be modified by the Authorized Officer, if the eligible Wild and Scenic River segment boundaries are changed.

*Waiver:* This stipulation may be waived, if the Authorized Officer determines that the entire leasehold no longer contains eligible Wild and Scenic River segments.

### **No Surface Occupancy**

*Resource:* District-Designated Reserve – Lands Managed for Their Wilderness Characteristics

*Stipulation:* Surface occupancy and use are prohibited within District-Designated Reserve – Lands Managed for Their Wilderness Characteristics.

*Objective:* To protect District-Designated Reserve – Lands Managed for Their Wilderness Characteristics lands.

*Exception:* An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

*Modification:* The boundaries of the stipulated area may be modified by the Authorized Officer, if the District-Designated Reserve – Lands Managed for Their Wilderness Characteristics boundaries are changed.

*Waiver:* This stipulation may be waived, if the Authorized Officer determines that the entire leasehold no longer contains District-Designated Reserve – Lands Managed for Their Wilderness Characteristics

### **No Surface Occupancy**

*Resource:* Land Use Authorizations

*Stipulation:* Surface occupancy and use is prohibited on Recreation and Public Purposes (R&PP) and FLPMA leases.

*Objective:* To protect uses on existing R&PP and FLPMA leases.

*Exception:* An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

**Modification:** The area affected by this stipulation may be modified by the Authorized Officer, if the land use authorization boundaries are modified.

**Waiver:** This stipulation may be waived by the Authorized Officer, if all land use authorizations within the leasehold have been terminated, canceled, or relinquished.

### **No Surface Occupancy**

**Resource:** Recreation Management Areas

**Stipulation:** Surface occupancy and use are prohibited within Recreation Management Areas.

**Objective:** To protect developed recreation areas.

**Exception:** An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

**Modification:** The boundaries of the stipulated area may be modified by the Authorized Officer, if the Recreation Management Area boundaries are changed.

**Waiver:** This stipulation may be waived, if the Authorized Officer determines that the entire leasehold no longer contains Recreation Management Areas.

### **No Surface Occupancy**

A 30-day public notice period will be required prior to modification or waiver of this stipulation.

**Resource:** Special Areas

**Stipulation:** Surface occupancy and use are prohibited within Areas of Critical Environmental Concern (ACEC).

**Objective:** To protect important historic, cultural, scenic values, natural resources, natural systems or processes, threatened and endangered plant species, and/or natural hazard areas of the ACEC.

**Exception:** An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

**Modification:** The boundaries of the stipulated area may be modified by the Authorized Officer, if the ACEC boundaries are changed.

**Waiver:** This stipulation may be waived, if the Authorized Officer determines that the entire leasehold no longer contains designated ACECs.

### **No Surface Occupancy**

**Resource:** Progeny test sites

**Stipulation:** Surface occupancy and use are prohibited within progeny test sites.

**Objective:** To protect progeny test sites.

**Exception:** None.

**Modification:** The boundaries of the stipulated area may be modified by the Authorized Officer, if the progeny test site boundaries are changed.

**Waiver:** This stipulation may be waived, if the Authorized Officer determines that the entire leasehold no longer contains progeny test sites.

### **No Surface Occupancy**

A 30-day public notice period will be required prior to modification or waiver of this stipulation.

**Resource:** Visual Resource Management (VRM) Class I

**Stipulation:** Surface occupancy and use are prohibited in VRM Class I areas.

**Objective:** To preserve the existing character of the landscape.

**Exception:** An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan demonstrating that impacts from the proposed action are acceptable or can be adequately mitigated.

Modification: The boundaries of the stipulated area may be modified by the Authorized Officer, if the boundaries of the VRM Class I area are changed.

Waiver: This stipulation may be waived by the Authorized Officer, if all VRM Class I areas within the leasehold are reduced to a lower VRM class. Areas reduced to VRM Class II will be subject to the Controlled Surface Use stipulation for visual resources, and areas reduced to VRM Class III will be subject to standard lease stipulations.

### **Controlled Surface Use**

Resource: Soils

Stipulation: Prior to disturbance of any suspected unstable slopes or slopes over 60 percent, an engineering/reclamation plan must be approved by the Authorized Officer. This plan must demonstrate how the following will be accomplished:

- Restoration of site productivity
- Adequate control of surface runoff
- Protection of off-site areas from accelerated erosion, such as rilling, gulying, piping, and mass wasting

In addition, water quality and quantity will be in conformance with State and Federal water quality laws, surface-disturbing activities will not be conducted during extended wet periods, and construction will not be allowed when soils are frozen.

Objective: To maintain soil productivity, provide necessary protection to prevent excessive soil erosion on steep slopes, and to avoid areas subject to slope failure, mass wasting, piping, or having excessive reclamation problems.

Exception: An exception to this stipulation may be granted by the Authorized Officer if the operator submits a plan, which demonstrates that the impacts from the proposed action are acceptable or can be adequately mitigated.

Modification: The area affected by this stipulation may be modified by the Authorized Officer, if it is determined that portions of the area do not include suspected unstable slopes or slopes over 60 percent.

Waiver: This stipulation may be waived by the Authorized Officer if it is determined that the entire leasehold does not include any suspected unstable slopes or slopes over 60 percent.

### **Controlled Surface Use**

A 30-day public notice period will be required prior to modification or waiver of this stipulation.

Resource: Visual Resource Management (VRM) Class II.

Stipulation: All surface-disturbing activities and semi-permanent and permanent facilities in VRM Class II areas may require special design features including altering the location and painting and camouflage to blend with the natural surroundings to meet the visual quality objectives for the area.

Objective: To control the visual impacts of activities and facilities within acceptable levels.

Exception: None.

Modification: None.

Waiver: This stipulation may be waived, if the Authorized Officer determines that there are no longer any VRM Class II areas in the leasehold.

### **Controlled Surface Use**

Resource: Riparian Reserve

Stipulation: Unless otherwise authorized, drill site construction and access through Riparian Reserve within this leasehold will be limited to established roadways.

Objective: To protect riparian vegetation and reduce sedimentation.

Exception: An exception to this stipulation may be granted by the Authorized Officer, if the operator submits a plan, which demonstrates that impacts from the proposed action are acceptable or can be adequately mitigated.

*Modification:* The area affected by this stipulation may be modified by the Authorized Officer, if it is determined that portions of the area do not include Riparian Reserve.

*Waiver:* This stipulation may be waived by the Authorized Officer, if it is determined that the entire leasehold no longer includes Riparian Reserve.

**Controlled Surface Use**

*Resource:* Late-Successional Reserve

*Stipulation:* Unless otherwise authorized, drill site construction and access through Late-Successional Reserve within this leasehold will be limited to established roadways.

*Objective:* To protect vegetation and to retain and/or restore structurally-complex forest characteristics.

*Exception:* An exception to this stipulation may be granted by the Authorized Officer if the operator submits a plan, which demonstrates that impacts from the proposed action are acceptable or can be adequately mitigated.

*Modification:* The area affected by this stipulation may be modified by the Authorized Officer, if it is determined that portions of the area do not include Late-Successional Reserve.

*Waiver:* This stipulation may be waived by the Authorized Officer if it is determined that the entire leasehold does not include Late-Successional Reserve.

**Ranking of the Prospective Mineral Occurrence and/or Development of Each Special Area Recommended for Withdrawal from Locatable Mineral Entry**

Table M-4 through Table M-7 list the estimated prospective mineral occurrence or development ranking of each eligible Wild and Scenic River segment, District-Designated Reserve – Lands Managed for their Wilderness Characteristics, ACEC, and RMA that the BLM would recommend for withdrawal from locatable mineral entry. Recommendations vary by alternative and the Proposed RMP. Some proposals have multiple polygons, in which case, each polygon was analyzed separately. As a result, some sites have multiple rankings. Chapter 3 contains information on which areas the BLM would recommend for withdrawal from mineral entry by alternative and the Proposed RMP and how the BLM determined these rankings.

**Table M-4.** Ranking of District-Designated Reserve – Lands Managed for their Wilderness Characteristics lands that the BLM would recommended for withdrawal from locatable mineral entry

District-Designated Reserve – Lands Managed for their Wilderness Characteristics	Ranking
Berry Creek	Low
Bull of the Woods-Opal Creek Add - Evans Mountain	High
Bull of the Woods-Opal Creek Add - Nasty Rock	High
Burton-Ninemile	High
Clackamas Wilderness Add - Memaloose Creek	Low
Clackamas Wilderness Add - South Fork Clackamas #1	Low
Clackamas Wilderness Add - South Fork Clackamas #2	Low
Dakubetede	High
Round Top Mountain	High
Salmon Huckleberry Add - Boulder Creek	Low
Salmon Huckleberry Add - Eagle River	Low
Salmon Huckleberry Add - Salmon River	Low

<b>District-Designated Reserve – Lands Managed for their Wilderness Characteristics</b>	<b>Ranking</b>
Table Rock Wilderness Add	Low
Wasson Creek	Low
Wellington Mountain	High
Whiskey Creek	High
Wild Rogue	High
Wild Rogue Additions	High

**Table M-5.** Ranking of eligible Wild and Scenic River segments that the BLM would recommend for withdrawal from locatable mineral entry

<b>Eligible Wild and Scenic River Segment</b>	<b>Ranking</b>
Alesea River	Low
Antelope Creek	Medium
Applegate River	High
Big Butte Creek (including South Fork Big Butte)	Medium
Cheney Creek	Medium
Clackamas River	Low
Cow Creek	High
Drift Creek	Low
Drift Creek Segment A and B	Low
Elk Valley Creek	High
Fall Creek - Eugene	Low
Fall Creek - Salem	Low/Low
Kilches River	Low
Lake Creek	Low
Left Fork Foots Creek	High
Little Applegate River	High
Little Luckiamute River	Medium
Little North Santiam River	High
Lobster Creek	Low
Lobster Creek Segment B	Low
McKenzie River	Low
Middle Santiam River	Low
Nehalem River	Low
Nelson Creek	Low
Nestucca River Segment B	Low
North Fork Clackamas River	Low
North Fork Gate Creek	Low
North Fork Siletz River	Low
North Fork Trask River	Low
North Santiam	Medium
Quines Creek	High

<b>Eligible Wild and Scenic River Segment</b>	<b>Ranking</b>
Riffle Creek	High
Rogue River	High
Sam's Creek	High
Sandy River Segments A and B	Low
Siletz River	Low
Sixes River	High
South Fork Coos River	Low
South Fork Coquille River	High
South Fork Gate Creek	Low
South Fork Little Butte Creek	Low
South Fork Trask River	Low
South Umpqua River	High
South Yamhill River	Medium
Table Rock Fork Molalla River	Medium
Trask River	Low
Tualatin River	Low
Umpqua River	Medium
West Fork Illinois River	High
Willamette River	Low
Wilson River	Low
Yaquina River	Low

**Table M-6.** Ranking of Areas of Environmental Concern that the BLM would recommend for withdrawal from locatable mineral entry

<b>Area of Critical Environmental Concern</b>	<b>Ranking</b>
Baker Cypress	Low
Bear Gulch	High
Beatty Creek	High
Beaver Creek	Low
Bobby Creek	Low
Brewer Spruce	Medium/High
Brownson Ridge	Low
Bumpheads	Low
Bushnell-Irwin Rocks	Low
Callahan Meadows	Medium
Camas Swale	Low
Cherry Creek	Low
China Wall	Low
Cobleigh Road	Low
Cottage Grove Old Growth	Low
Coburg Hills	Low
Cougar Mountain Yew Grove	Low



<b>Area of Critical Environmental Concern</b>	<b>Ranking</b>
Crabtree Complex	Medium
Dakubetede	Medium/High
Deer Creek	Medium
Dorena Lake	Low
Dorena Prairie	Low
East Fork Whiskey Creek	High
Eight Dollar Mountain	Medium/High
Elk Creek	Low
Esmond Lake	Low
Euphoria Ridge	Low
Ferguson Creek	low
Forest Peak	Low
Fox Hollow	Low
French Flat	Medium
Garoutte Prairie	Low
Grandmother's Grove	Low
Grass Mountain	Low
Grassy Mountain	Low
Grayback Glades	Medium
Green Springs Mt Scenic	Low
Heceta Sand Dunes	Medium
High Peak - Moon Creek	Low
Hole-In-The-Rock	Low
Holton Creek	Medium
Horse Rock Ridge	Low
Hoxie Creek	Low
Hult Marsh	Low
Hunter Creek Bog	High
Iron Creek	High
Jordan Creek	Low
King Mountain Rock Garden	High
Lake Creek Falls	Low
Little North Fork Wilson River	Medium
Little Sink	Low
Lorane Ponderosa Pine	Low
Lost Lake	Low
Lost Prairie	Low/Low
Lower Scappoose Eagle	Low/Medium
Low Elevation Headwaters of the McKenzie River	Low
Mary's Peak	Low/Medium
McCully Mountain	Low
McGowan Meadow	Low

<b>Area of Critical Environmental Concern</b>	<b>Ranking</b>
Middle Santiam Terrace	Low
Mill Creek Ridge	Low
Mohawk	Low
Molalla Meadows	Low
Moon Prairie	Low
Myrtle Island	Low
Nails Creek	Low
Nestucca River	Low
New River	Medium/High
North Bank	Low
North Fork Chetco	Medium
North Fork Coquille River	Low
North Fork Hunter Creek	Low/High
North Fork Silver Creek	High
North Myrtle Creek	Medium
North Santiam	Low
North Spit	Medium
North Spit Addition	Medium
Oak Basin Prairies	Low
Oak Basin Prairies	Low
Old Baldy	Low
Pickett Creek	Medium
Pipe Fork	Medium
Poverty Flat	Low
Red Pond	Low
Reeves Creek	Medium
Rickreall Ridge	Low
Rocky Peak	Medium
Roman Nose	Low
Rough and Ready	Medium/High
Round Top Butte	Low
Saddle Bag Mountain	Medium
Sandy River	Low
Silt Creek	Low
Snow Peak	Medium
Soosap Meadows	Low
Spencer Creek	Low
Steel Creek	Low
Sterling Mine Ditch	High
Surveyor	Low
Table Rocks	Low/Medium
Tater Hill	High

<b>Area of Critical Environmental Concern</b>	<b>Ranking</b>
The Butte	Low
Tin Cup	Low
Tioga Creek	Low
Tunnel Creek	Low
Upper Elk Meadows	Low
Upper Klamath River	Low/Medium
Upper Klamath River Addition	Low
Upper Rock Creek	Low
Upper Willamette Valley Margin	Low/Medium
Valley of the Giants	Low
Waldo-Takilma	High
Walker Flat	Low
Wassen Creek	Low
Waterloo	Low
West Fork Illinois River	Medium/High
White Rock Fen	Low
Wilhoit Springs	Medium
Willamette Valley Prairie Oak and Pine Area	Low
Williams Lake	Low
Woodcock Bog	Medium
Yainax Butte	Low
Yaquina Head	Low
Yellowstone Creek	High

**Table M-7.** Ranking of Special Recreational Management Areas that the BLM would recommend for withdrawal from locatable mineral entry

<b>Recreation Management Area</b>	<b>Ranking</b>
Alder Glen Campground	Low
Alsea Falls - Zone A	Low
Alsea Falls - Zone B	Low
Armstrong Gulch Trailhead	Medium
Aquila Vista	Low
Barlow Creek Trail and Trailhead	Low
Bastendorff Beach	Low
Bear Gulch Trailhead	Medium
Bolt Mountain Trail	Medium
Burma Pond Campground	High
Canyon Creek	Low
Carpenter Bypass Mountain Bike Trail	Low
Carpenter Bypass Staging Area	Low
Cascade View OHV Complex	Low
Cathedral Hills	Medium

<b>Recreation Management Area</b>	<b>Ranking</b>
Cathedral Hills Trails	Medium
Cavitt Creek Falls Recreation Site	Low
Cedar Grove	Low
Clay Creek Recreation Site	Low
Clay Creek Trail	Low
Coos Head	Low
Cow Creek Backcountry Byway Kiosk	Low
Cow Creek Recreational Gold Panning Area	Low
Crooked Creek OHV Staging Site	Low
Culp Creek Expansion Site	Low
Culp Creek Trailhead	Low
Dean Creek Elk Viewing Area	Low
Deer Creek Education/Interpretive Area	Medium
Dogwood	Medium
Dorena Dam Trail Access Site	Low
Dovre	Low
Eagleview Group Campground	Low
Eagles Rest Hiking/Biking Trail	Low
Edson Creek Campground	Low
Eight Dollar Mountain	High
Eight Dollar Mountain Interpretive Site	High
Elderberry Flat Campground	Medium
Elk Bend	Low
Elkhorn Creek WSR	Medium
Elkhorn Valley Campground	Medium
Emerald Trail	Low
E-Mile Day-Use Area	Low
Esmond lake Trailhead and Trail	Low
Fan Creek	Low
Fawn Creek Campground	Low
Fishermen's Bend Recreation Site	Low
Flores Lake	Medium
Gerber Recreation Area	Low
Gold Nugget Waysides	High
Grizzly Peak	Medium
Grizzly Peak Trail	Medium
Hill Creek Trail	Low
Hill Creek Wayside	Low
Hinsdale Garden	Low
Hogback Mountain	Medium
Hult Equestrian Staging Area	Low
Hult Reservoir Non-motorized Trail	Low

<b>Recreation Management Area</b>	<b>Ranking</b>
Hult Reservoir Recreation Area	Low
Hunter Creek Trail System	High
Hyatt Lake Campground	Low
Island Creek Day-use Area	Medium
Ivors Wayside	Low
Jacksonville Woodlands Trails	High
Kenney Meadows Recreation Site	High
King Mountain Trail	High
Klamath River Campground	Low
Klamath River WSR	Low/Medium
Lake Selmac	Medium
Lodgepole	Low
Lone Rock Drift Boat Launch	Low
Loon Lake Recreation Area	Low
Lost Creek Trails	Low
Lower Lake Creek Falls	Low
Marmot Recreation Site	Low
Martin Rapids Overlook	Low
McGowan Creek Environmental Education Area Trail	Low
McGowan Creek Environmental Education Area	Low
McKenzie River Campground	Low
McKercher Park (R&PP Lease)	Low
Mill Creek	Low
Mill Creek Recreation Site	Low
Miller Creek Camp	Low
Millpond/Lone Pine Recreation Site	Low
Missouri Bend	Low
Mosby Creek Trailhead	Low
Mount Bolivar Trailhead	High
Mountain of the Rogue	High
Nestucca River	Low
North Bank - Comstock Day Use Area	Low
North Bank Habitat Management Area	Low
North Bank- Western Trailhead	Low
North Bowl Campground	Low
North Fork Eagle Creek Campground	Low
North Fork Santiam County Park	Low
North Spit Beach and Ponds Unit	Medium
North Spit Boat Ramp	Low
North Umpqua Trail - Swiftwater	Low/Medium
North Umpqua Trail - Tioga	Low
North Umpqua Wild Scenic River Corridor	Low/Medium

<b>Recreation Management Area</b>	<b>Ranking</b>
Northwest Hills	Medium
Old Miners Meadow	Medium
Osprey Boat Ramp	Medium
Oxbow Regional Park	Low
Pacific Crest Trail (PCT) 1 and 2	Low
Pacific Crest Trail (PCT) Corridor	Low
Park Creek Campground	Low
Potholes Camp	Low
Provolt Seed Orchard	High
Quartz Creek	High
Rennie Boat Landing	Low
Rock Creek Recreation Site	Low
Rocky Peak Trail	Medium
Rogue Wild and Scenic River	Medium/High
Rough and Ready Trail	Medium
Roundtop Mountain	Medium
Row River Trail	Low/Medium
Row River Trail Expansion	Low/Medium
Sandy Ridge Trail System	Low
Sandy Ridge Trailhead	Low
Sawmill Trail	Low
Scaponia Park	Low
Scaredman Recreation Site	Low
Sharps Creek Recreation Site	Medium
Shotgun Creek Recreation Site	Low
Shotgun Non-Motorized Trail System	Low
Shotgun OHV Trail System	Low
Silver Creek Boat and McKenzie River Watchable Wildlife Site	Low
Silver Falls State Park	Low
Siuslaw Bend Campground	Low
Sixes River Campground	Medium
Skull Creek Campground	Medium
Smith Creek	Low
Smith River Falls Campground	Low
Spring Island River Access	Low
Stan H Spring	Low
Sterling Mine Ditch Trail	High
Stick Beach	Medium
Storm Ranch	Medium
Surveyor Campground	Low
Swiftwater Day-use Area	Medium

<b>Recreation Management Area</b>	<b>Ranking</b>
Table Mountain Snow Play Area	Low
Table Rocks	Low/Medium
Taylor landing Recreation Site	Low
Three Bears - Hardy Creek	Low
Topsy Recreation Site	Low
Tucker Flat Campground	High
Tyee Recreation Area	Low
Tyrrell Seed Orchard Interpretive Trail	Low
Upper Lake Creek ERMA	Low
Vincent Creek Campground	Low
Whiskey Creek Overlook	Medium
Whitewater Day-Use Area	Low
Whitewater Day-Use Area	Low
Whittaker Creek Recreation Area	Low
Whittaker Creek Trail	Low
Wild Rogue Canyon	Low/Medium/High
Wildcat Creek Trail System	Low
Wildwood Recreation Site	Low
Wilhoit Springs	Medium
Willamalane Non-Motorized Trails	Low
Willamette River Greenway (R&PP Lease)	Low
Willow Valley Reservoir Boat Ramp	Low
Wolf Creek Environmental Education Site and Trail	Low
Wolf Creek Falls Trail	Low
Woodrat Mtn Gliding Sites	High
Yaquina Head ONA	Low
Yellowbottom	Medium

## **References**

USDI BLM. 2008. Final Environmental Impact Statement for the Revision of the Resource Management Plans of the Western Oregon Bureau of Land Management Districts. Bureau of Land Management, Oregon State Office, Portland, OR.  
[http://www.blm.gov/or/plans/wopr/final\\_eis/](http://www.blm.gov/or/plans/wopr/final_eis/).