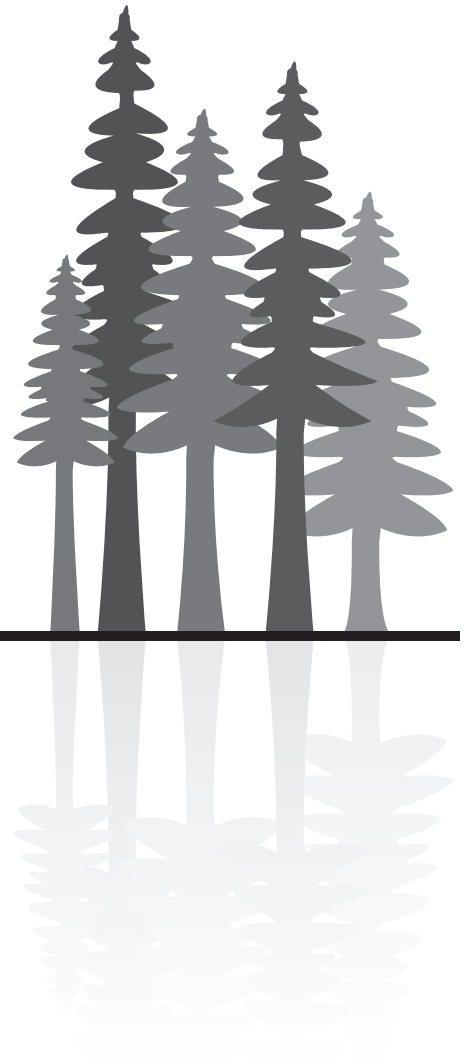
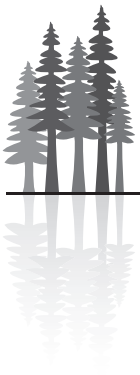


Resource Management Plan







Resource Management Plan

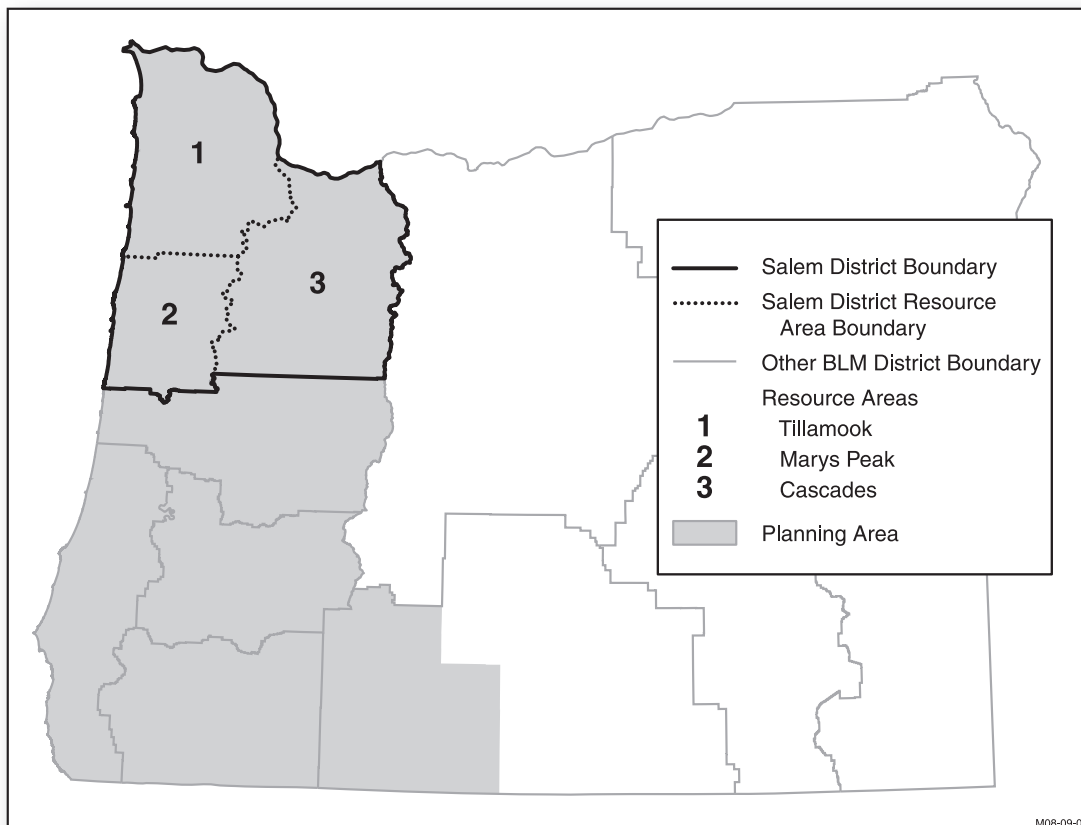
Planning Area

The entire planning area analyzed in the *Final Environmental Impact Statement for the Revision of the Resource Management Plans of the Western Oregon Bureau of Land Management* (October 2008) includes all lands (private, local, state, and federal) in western Oregon. See *Figure 1 (Entire planning area of the Western Oregon BLM resource management plan revisions)*. The Salem District Resource Management Plan and the coordinated resource management plans for the other districts affect BLM-administered lands in the BLM districts and counties of western Oregon that are listed in *Table 1 (BLM districts and Oregon counties included in the planning area of the Western Oregon BLM resource management plan revisions)*.

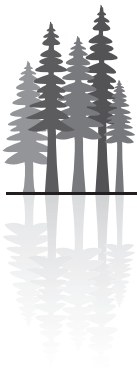
TABLE 1. BLM DISTRICTS AND OREGON COUNTIES INCLUDED IN THE PLANNING AREA OF THE RESOURCE MANAGEMENT PLAN REVISIONS

BLM Districts	Oregon Counties		
Coos Bay	Benton	Jackson	Marion
Eugene	Clackamas	Josephine	Multnomah
Lakeview (Klamath Falls Resource Area only)	Clatsop	Klamath	Polk
Medford	Columbia	Lane	Tillamook
Roseburg	Coos	Lincoln	Washington
Salem	Curry	Linn	Yamhill
	Douglas		

FIGURE 1. ENTIRE PLANNING AREA OF THE WESTERN OREGON BLM RESOURCE MANAGEMENT PLAN REVISIONS



M08-09-01



The six coordinated resource management plans provide requirements for management of approximately 2,557,800 acres of federal land within the planning area. These BLM-administered lands are widely scattered and represent only about 11% of the planning area. Of the approximately 2,557,800 acres administered by the BLM, approximately 2,151,200 acres are managed primarily under the O&C Act and are commonly referred to as the O&C lands. The remaining 406,600 acres are public domain lands (394,600 acres) and other lands (12,000 acres) that are managed primarily under the Federal Land Policy and Management Act. See *Table 2* for the status of all federal lands in the planning area per district. (*Note:* The resource management plans also apply to an additional 69,000 acres that are split-estate lands for which the BLM manages only the subsurface mineral estate.)

TABLE 2. LEGAL STATUS OF LANDS ADMINISTERED BY THE BLM IN WESTERN OREGON

BLM District	O&C and Coos Bay Wagon Road Lands	Public Domain (acres)	Other	Total
Salem	349,300	51,600	2,100	403,000
Eugene	304,200	10,500	400	315,100
Roseburg	406,500	19,800	0	426,300
Coos Bay	279,400	41,800	1,500	322,700
Medford	764,900	96,100	4,800	865,800
Klamath Falls Resource Area (Lakeview District)	46,900	174,800	3,200	224,900
Total	2,151,200	394,600	12,000	2,557,800



Introduction

This document describes the resource management plan (RMP) for the Bureau of Land Management Salem District.

The Resource Management Plan consists of management objectives, land use allocations, and management direction.

- **Management objectives.** Describe desired outcomes from management of particular resources.
- **Land use allocations.** Areas where specific activities are allowed, restricted, or excluded in all or part of a planning area.
- **Management direction.** Provide measures that will be applied to planning activities to achieve management objectives for resources.

Management direction will be used where and when necessary and practical to achieve management objectives. However, the BLM may decide not to apply a management direction when:

- Site-specific circumstances would make application of the management direction unnecessary to achieve resource management plan objectives.
- Site-specific circumstances would make application of the management direction impractical.
- Application of the management direction would be inconsistent with other resource management plan decisions.

For a depiction of the Salem District's portion of the planning area, see *Figure 2*. The lands in the Salem District are divided into three resource areas: Tillamook, Mary's Peak, and Cascades. The locations of these three resource areas are shown in *Figure 1*.

See *Appendix A – Guidance for Use of the Approved Resource Management Plan*, and see *Appendix B – Monitoring* for the monitoring that will be conducted and reported.

Land Use Allocations

The BLM-administered lands in the Salem District are allocated to the following six land use allocations:

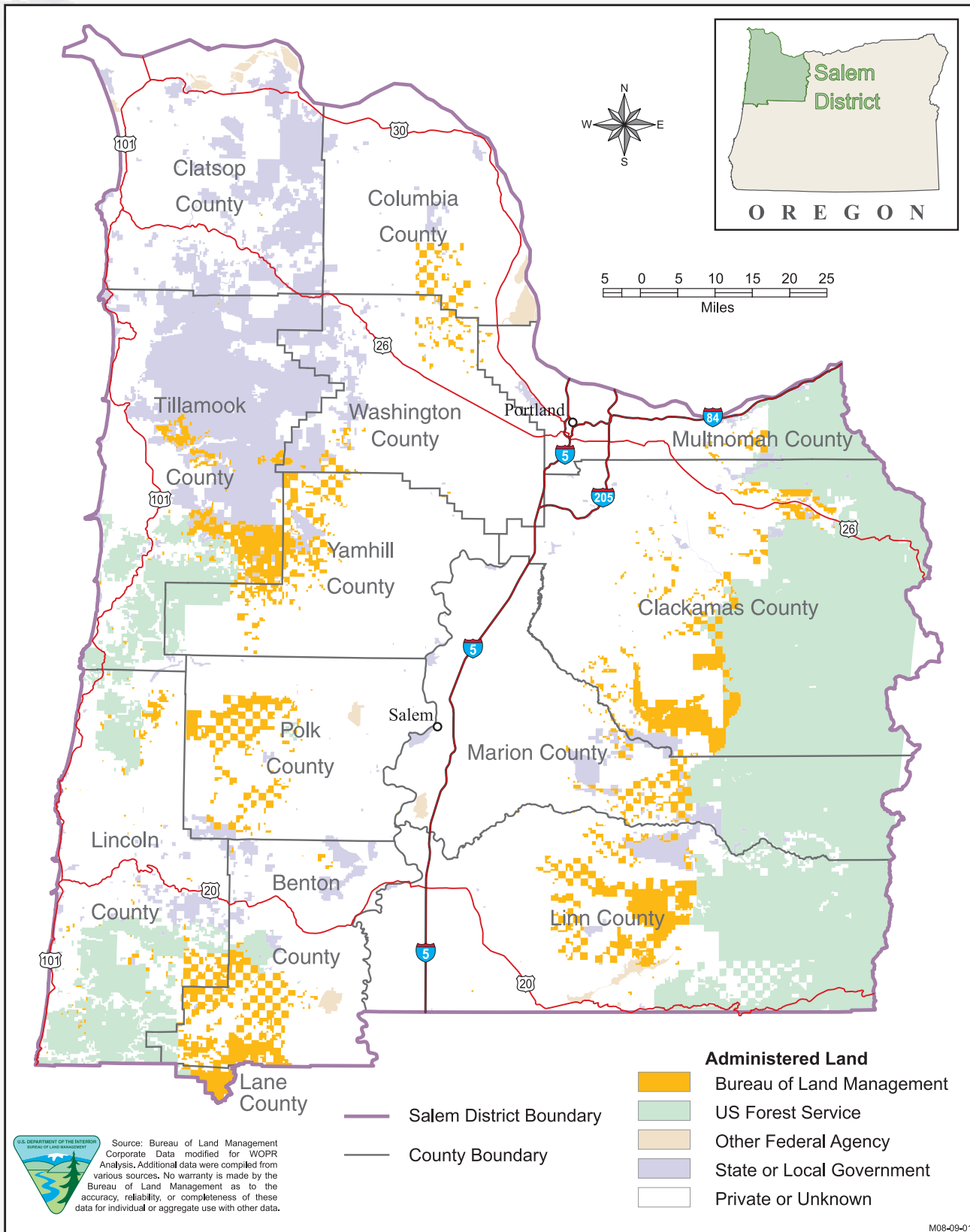
1. National Landscape Conservation Area/Congressionally Designated/Acquired Lands (33,000 acres)
2. Administratively Withdrawn Area (73,500 acres)
3. Late-Successional Management Area (116,100 acres)
4. Riparian Management Area (45,300 acres)
5. Deferred Timber Management Area (12,200 acres)
6. Timber Management Area (122,000 acres)

For land use allocations by resource area in the Salem District, see the following maps in the map packet: *Map 1A* (Tillamook Resource Area), *Map 1B* (Mary's Peak Resource Area), and *Map 1C* (Cascades Peak Resource Area).

Some land use allocations (such as Late-Successional Management Area and Riparian Management Area) overlap. For consistency and acreage display purposes, such overlaps are displayed in only one category according to the above hierarchy.



FIGURE 2. SALEM DISTRICT'S PORTION OF THE PLANNING AREA



Source: Bureau of Land Management Corporate Data modified for WOPR Analysis. Additional data were compiled from various sources. No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data.

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Riparian Management Area management objectives and direction will be applied to streams, lakes, wetlands, etc. as defined in *Table 11* (in the Riparian Management Area section below) within the Late-Successional Management Area, Deferred Timber Management Area, and Timber Management Area.

National Landscape Conservation System, Congressionally Designated Lands, and Acquired Lands

The National Landscape Conservation System designations on BLM-administered lands in the Salem District include:

- Wild and scenic rivers
- Wilderness, wilderness study, and wilderness instant study areas
- Yaquina Head Outstanding Natural Area

Congressionally designated lands on BLM-administered lands in western Oregon include:

- Mt. Hood Scenic Corridor
- Bull Run Watershed Management Unit

Management Objective

Conserve, protect, and restore the identified outstanding cultural, ecological, and scientific values of the National Landscape Conservation System and congressionally designated lands.

Manage acquired lands consistent with the purpose for which they were acquired.

Management Direction

Wild and Scenic Rivers

Protect outstandingly remarkable values of designated wild and scenic river corridors (including those classified as wild, scenic, or recreational). See *Table 3 (Designated wild and scenic rivers and river segments, Salem District)*.

Provide interim protection to wild and scenic river corridors (including those classified as wild, scenic, or recreational) that are suitable for inclusion as components of the National Wild and Scenic Rivers System until Congress makes a decision to designate them.

See *Table 4 (Suitable wild and scenic rivers and river segments, Salem District)*.

Provide interim protection to wild and scenic river corridors (including those classified as wild, scenic, or recreational) that are eligible but have not yet been studied for suitability as components of the National Wild and Scenic Rivers System pending suitability evaluations.

See *Table 5 (Eligible wild and scenic rivers and river segments, Salem District)*.

Wilderness Areas

Preserve the undisturbed natural integrity of Wilderness Areas.

See *Table 6 (Wilderness areas and wilderness instant study areas, Salem District)*.



TABLE 3. DESIGNATED WILD AND SCENIC RIVERS AND RIVER SEGMENTS, SALEM DISTRICT

Designated Rivers/ River Segments	Classification	Outstandingly Remarkable Values	Total Miles ^a	Acres ^b (BLM lands only)
Clackamas (Segment 6)	Recreational	Fish, Recreation	1	143
Elkhorn Creek (Segment 1)	Wild	Scenery, Wildlife	5.8	142
Elkhorn Creek (Segment 2)	Scenic	Scenery, Wildlife	0.6	225
Quartzville Creek	Recreational	Recreation, Scenery	9.7	2,083
Salmon River (Segment 4)	Recreational	Botany, Ecology, Fish, Hydrology, Recreation, Scenery, Wildlife	3.2	0
Salmon River (Segment 5)	Scenic	Botany, Ecology, Fish, Hydrology, Recreation, Scenery, Wildlife	4.8	728
Sandy River (Segment 1)	Scenic	Cultural, Fish, Recreation	3.8	445
Sandy River (Segment 2)	Recreational	Cultural, Fish, Recreation, Scenery	8.7	279
Total Acres			37.6	4,045

^aMileage calculations include both BLM-administered and non-BLM-administered lands.

^bAcres calculations are for BLM-administered lands only and based on the amount of BLM-administered lands within a 0.5-mile-wide river corridor.

TABLE 4. SUITABLE WILD AND SCENIC RIVERS AND RIVER SEGMENTS, SALEM DISTRICT

Suitable Rivers/ River Segments	Potential Classification	Outstandingly Remarkable Values	Total Miles ^a	Acres ^b (BLM lands only)
Molalla River (Segment B)	Recreational	Geology, Recreation, Scenery	13.2	2,988
Nestucca River (Segment A)	Recreational	Fish, Recreation, Scenery, Wildlife	15.5	3,016
Totals			28.7	6,004

^aMileage calculations include both BLM-administered and non-BLM-administered lands.

^bAcres calculations are for BLM-administered lands only and based on the amount of BLM-administered lands that are located within a half mile wide river corridor.

TABLE 5. ELIGIBLE WILD AND SCENIC RIVERS AND RIVER SEGMENTS, SALEM DISTRICT

Eligible	Potential Classification	Outstandingly Remarkable Values	Total Miles ^a	Acres ^b (BLM lands only)
Alsea River	Recreational	Fish, Recreation	16.5	312
Clackamas River	Recreational	Recreation, Scenery	15.4	44
Drift Creek (Segments A and B)	Recreational	Fish	30.1	112
Fall Creek	Recreational	Fish	11.7	642
Kilchis River	Recreational	Fish, Recreation, Wildlife	14.6	56
Little Luckiamute River	Recreational	Ecology	27.1	40
Little North Santiam River	Recreational	Fish, Recreation, Scenery	17.2	1,203
Lobster Creek (Segment B)	Recreational	Fish	16.6	305

**TABLE 5. (CONTINUED)**

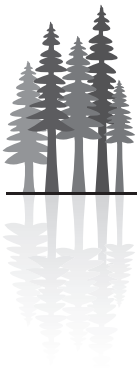
Eligible	Potential Classification	Outstandingly Remarkable Values	Total Miles ^a	Acres ^b (BLM lands only)
Luckiamute River	Recreational	Ecology	61.2	553
Middle Santiam River	Recreational	Cultural, Ecology	7.9	175
Nehalem River	Recreational	Recreation, Fish and Wildlife	122.0	36
Nestucca River (Segment B)	Recreational	Fish, Recreation, Scenery, Wildlife	8.0	216
North Fork Clackamas River	Scenic	Fish	14.4	358
North Fork Siletz River	Scenic	Ecology, Fish, Wildlife	10.6	826
North Fork Trask River	Recreational	Fish, Scenic	11.9	732
North Santiam River (Segment A)	Scenic	Fish, Recreation, Scenery	19.1	217
North Santiam River (Segment B)	Recreational	Fish, Recreation	27.9	132
Sandy River (Segment A)	Recreational	Cultural, Fish, Recreation	15.0	627
Sandy River (Segment B)	Recreational	Cultural, Fish, Recreation, Scenery	11.8	872
Siletz River	Recreational	Fish, Recreation, Scenery	68.8	38
South Fork Trask River	Recreational	Fish, Wildlife	9.3	30
South Yamhill River	Recreational	Cultural, Ecology	62.5	0
Table Rock Fork Molalla River	Recreational	Cultural	13.4	1,385
Trask River	Recreational	Fish, Recreation, Wildlife	19.5	333
Tualatin River	Recreational	Cultural	80.6	312
Willamette River	Recreational	Cultural, Ecology, Fish, Recreation, Wildlife	164.4	88
Wilson River	Recreational	Fish, Recreation, Wildlife	29.8	79
Yaquina River	Recreational	Fish	44.6	238
Totals			951.9	9,970

^aMileage calculations include both BLM-administered and non-BLM-administered lands.

^bAcres calculations are for BLM-administered lands only and based on the amount of BLM-administered lands that are located within a half mile wide river corridor.

TABLE 6. WILDERNESS AREAS AND WILDERNESS INSTANT STUDY AREAS, SALEM DISTRICT

Wilderness Area	Administered by the BLM (acres)
Table Rock	5,706
Managed according to the 1987 <i>Table Rock Wilderness Management Plan</i> to preserve the area's disturbed natural integrity.	
Wilderness Instant Study Area	Classification
Little Sink RNA ACEC	Instant Study
	80



Wilderness Instant Study Areas

Maintain the wilderness suitability of wilderness instant study areas

See Table 6 (*Wilderness areas and wilderness instant study areas, Salem District*).

Yaquina Head Outstanding Natural Area

Promote the conservation of scenic, historic, natural, and cultural values, and for educational, scientific, and recreational opportunities of the Yaquina Head Outstanding Natural Area (located in the Salem District)

See Table 7 (*Miscellaneous National Landscape Conservation System and Congressionally designated lands, Salem District*).

Mt. Hood Corridor

Protect and enhance the scenic quality of BLM-administered lands within the Mt. Hood Corridor. Exclude timber harvesting except to maintain safe conditions for the visiting public and to control the continued spread of wildfires, and for activities related to administration of the corridor.

See Table 7 (*Miscellaneous National Landscape Conservation System and Congressionally designated lands, Salem District*).

Bull Run Watershed Management Unit

Protect and enhance water quality on BLM-administered lands within the Bull Run Watershed Management Unit (located in the Salem District). Exclude timber harvesting, except as necessary to protect or enhance water quality; or except as necessary for the construction, expansion, protection, or maintenance of facilities for either a municipal water supply or energy transmission.

See Table 7 (*Miscellaneous National Landscape Conservation System and Congressionally Designated Lands, Salem District*).

TABLE 7. MISCELLANEOUS NATIONAL LANDSCAPE CONSERVATION SYSTEM AND CONGRESSIONALLY DESIGNATED LANDS, SALEM DISTRICT

Miscellaneous National Landscape Conservation System Designated Lands	Administered by the BLM (acres)
Bull Run Watershed Management Unit	658
Mt. Hood Corridor	4,644
Yaquina Head Outstanding Natural Area	102
Total Acres	5,404



Administratively Withdrawn Area

The Administratively Withdrawn land use allocation is established to include lands withdrawn from the harvest land base (supports the ASQ) for specific reasons, including:

- Areas of Critical Environmental Concern, including Research Natural Areas
- Areas dedicated to specific purposes such as roads, buildings, maintenance yards, quarries, and other facilities and infrastructure
- Recreation sites (such as campgrounds, trails, and day-use areas)
- Sites designated for species management (such as Bald Eagle Management Areas) not included in other land use allocations
- Areas identified through the timber production capability classification (TPCC) system as withdrawn from sustained yield timber production (non-suitable woodlands, low site and non-commercial species categories of suitable woodlands) or identified as nonforest.

Management Objectives and Management Direction

The management objectives and management direction for Areas of Critical Environmental Concern, recreation sites/facilities, and special status species are addressed in the *Resource Programs* section of this resource management plan.

Areas identified as withdrawn from the harvest land base through the timber production capability classification system do not have specific management objectives or management direction. They may be managed similarly to the adjacent or surrounding land use allocations, if those uses are not incompatible with the reason for which the lands were withdrawn (as identified by the timber production capability classification codes). Areas will be periodically added to or deleted from those withdrawn from sustained yield timber production through updates to the timber production capability classification system when on-the-ground examinations indicate the existing classification is in error.

Roads, maintenance yards, buildings, quarries, and other facilities also do not have specific management objectives or management direction but will be managed for the purpose for which the facilities were constructed.

Late-Successional Management Area

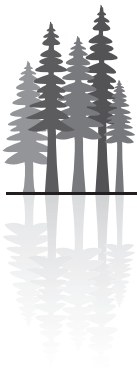
The Late-Successional Management Area land use allocation is established as follows:

- In the areas shown on *Map 1A*, *Map 1B*, and *Map 1C*. *Map 1A* is for the Tillamook Resource Area, *Map 1B* is for the Mary's Peak Resource Area, and *Map 1C* is for the Cascades Resource Area.
- In the areas of contiguous marbled murrelet suitable habitat and recruitment habitat (stands capable of becoming habitat for the marbled murrelet within 25 years) within the range of the marbled murrelet that are within 0.5 mile of occupied sites (Mack et al. 2003). Occupation will be determined, through surveys in accordance with this protocol, by the presence of an active nest, a fecal ring, eggshell fragments, or birds demonstrating occupying behavior. Sites found during future project implementation will be added to the Late-Successional Management Area.

Management Objectives

Maintain habitat suitable for the northern spotted owl and the marbled murrelet.

Promote development of habitat suitable for nesting, roosting, and foraging for the northern spotted owl in stands that do not currently meet suitable habitat criteria.



Promote development of nesting habitat for the marbled murrelet in stands that do not currently meet nesting habitat criteria.

Recover economic value from timber harvested after a stand-replacement disturbance, such as a fire, windstorm, disease, or insect infestation.

Management Direction

Apply thinning harvest and other silvicultural treatments to promote development of habitat suitable for nesting, roosting, or foraging for the northern spotted owl: to promote nesting habitat for the marbled murrelet: or to reduce the potential for uncharacteristic wildfire.

Retain snags and coarse woody debris during thinning harvest of stands, except for safety or operational reasons. Create new snags and coarse woody debris when existing levels of snags and CWD do not meet the levels defined in *Table 8 (Snag and coarse woody debris [CWD] levels for stands of larger trees in the late-successional management area)* and *Table 9 (Snag and coarse woody debris [CWD] levels for stands of smaller trees in the late-successional management area)*. See also *Figure 3 (Forest vegetation series)*. For the purpose of defining stands of large trees and small trees:

- Stands where the quadratic mean diameter is greater than 14 inches before stand treatment are considered stands of large trees.
- Stands where the quadratic mean diameter is less than 14 inches before stand treatment are considered stands of small trees.

There is no requirement to create new snags or coarse woody debris when thinning and other silvicultural treatments do not remove cut trees from the stand.

Fall and remove trees as needed for safety or operational reasons, including, but not limited to, hazard tree removal, creation of yarding corridors adjacent to nearby harvest units, and road construction, improvement, or maintenance.

TABLE 8. SNAG AND COARSE WOODY DEBRIS (CWD) LEVELS FOR STANDS OF LARGER TREES IN THE LATE-SUCCESSIONAL MANAGEMENT AREA

Vegetation Series	Snag Retention		CWD Retention		
	Total Trees Per Acre	Component Diameter ^a	Total	Component Diameter ^a	Component Length
Western hemlock	6	> 14 inches dbh	240 feet/acre	> 14 inches	> 20 feet
Douglas fir and true firs	3	> 14 inches dbh	120 feet/acre	> 14 inches	> 16 feet

^aDiameter measured at the small end of the log
dbh - diameter breast height

TABLE 9. SNAG AND COARSE WOODY DEBRIS (CWD) LEVELS FOR STANDS OF SMALLER TREES IN THE LATE-SUCCESSIONAL MANAGEMENT AREA

Vegetation Series	Snag Retention		CWD Retention		
	Total Trees Per Acre	Component Diameter ^a	Total	Component Diameter ^a	Component Length
Western hemlock	3	> 12 inches dbh	120 feet/acre	> 12 inches	> 20 feet
Douglas fir and true firs	2	> 10 inches dbh	60 feet/acre	> 10 inches	> 16 feet

^aDiameter measured at the small end of the log
dbh - diameter breast height



TABLE 10. SNAG AND COARSE WOODY DEBRIS (CWD) RETENTION FOR SALVAGING TIMBER AFTER A STAND-REPLACEMENT DISTURBANCE IN THE LATE-SUCCESSIONAL MANAGEMENT AREA

Vegetation Series	Snag Retention		CWD Retention		
	Total Trees Per Acre	Component Diameter ^a	Total	Component Diameter ^a	Component Length
Western hemlock	8	> 20 inches dbh	480 feet/acre	> 20 inches	> 20 feet
Douglas fir and true firs	4	> 16 inches dbh	240 feet/acre	> 16 inches	> 16 feet

^aDiameter measured at the small end of the log
dbh - diameter breast height

Meet snag and coarse woody debris levels depicted in *Table 8* and *Table 9* by any combination of the creation of new snags and coarse woody debris from live conifer trees, and the retention of existing levels of snags (Class I and Class II) and coarse woody debris (Class I and Class II). If existing levels of snags and coarse woody debris are insufficient to meet these levels in a thinning harvest unit, the desired levels can be satisfied by including in the project decision the creation of snags and coarse woody debris within five years to meet these levels after completion of the thinning harvest. Snag and coarse woody debris retention or creation levels are to be met at the scale of the harvest unit and are not intended to be attained on every acre. Snag and coarse woody debris retention will be variable per acre throughout the area being treated. Retain noncommercial snags and coarse woody debris, except for safety or operational reasons.

Implement salvage harvest of timber after a stand-replacing disturbance to recover economic value of the stand, so long as the salvage harvest retention standards for snags and coarse woody debris described in *Table 10* (*Snag and coarse woody debris retention for salvaging of timber after a stand-replacement disturbance in the late-successional management area*) are met. Snags and coarse woody debris retention standards are to be met as an average at the scale of the salvage harvest unit, and are not intended to be attained on every acre. Retain an equivalent number of smaller snags or coarse woody debris if sufficient snags or coarse woody debris of the minimum sizes are not available.

Make timber to be cut from thinning, tree-falling, and salvage operations available for sale.

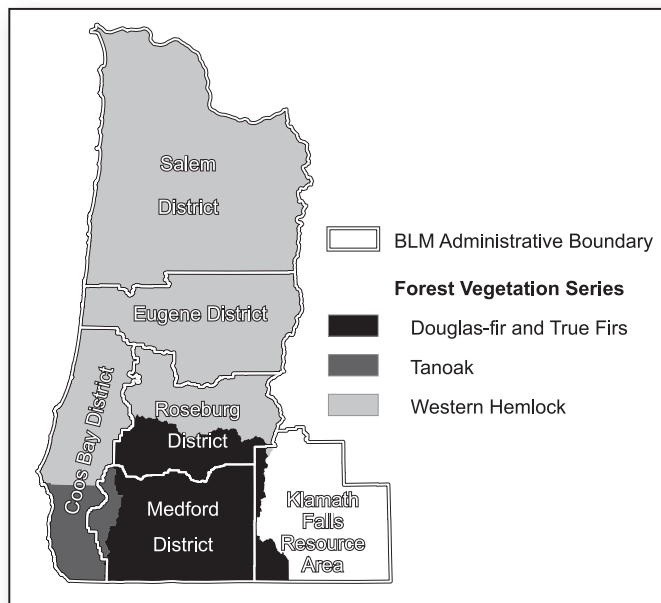
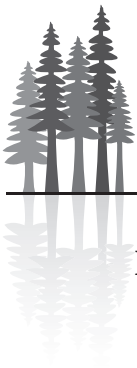


FIGURE 3. FOREST VEGETATION SERIES



Riparian Management Area

The Riparian Management Area land use allocation is established according to *Table 11 (Criteria established for the Riparian Management Area land use allocation under the RMP)*. For Riparian Management Area land use allocations, by resource area in the Salem District, see the map packet: *Map 1A (Tillamook Resource Area)*, *Map 1B (Mary’s Peak Resource Area)*, and *Map 1C (Cascades Resource Area)*.

Management Objectives

Provide for conservation of special status fish and other special status aquatic species.

Provide for riparian and aquatic conditions that supply stream channels with shade, sediment filtering, leaf litter and large wood, and streambank stability.

Maintain and restore water quality.

Maintain and restore access to stream channels for all life stages of fish species.

Management Direction

For Perennial and Intermittent Fish-Bearing Streams and Perennial Non-Fish-Bearing Streams:

- Apply thinning and other silvicultural treatments to speed development of large trees to provide an eventual source of large woody debris to stream channels. These treatments:
 - Will retain a minimum of 50 percent canopy closure; and
 - Will not be applied within 60 feet (slope distance) on either side of the edge of the stream channel, as measured from the ordinary high water line.
- Retain all snags and coarse woody debris in thinning operations, except for safety or operational reasons (e.g., maintaining access to roads and facilities).
- Make timber to be cut in thinning, tree-falling, and salvage operations available for sale.

For Intermittent Non-Fish-Bearing Streams:

- Apply thinning and other silvicultural treatments to speed the development of large trees to provide an eventual source of large woody debris to stream channels. Do not apply thinning and other silvicultural treatments within 35 feet (slope distance) on either side of the edge of the stream channel, as measured from the ordinary high water line.

TABLE 11. CRITERIA ESTABLISHED FOR THE RIPARIAN MANAGEMENT AREA LAND USE ALLOCATION

Riparian Management Areas	Distance ^a
Perennial and intermittent fish-bearing streams and perennial non-fish-bearing streams	One site-potential tree height ^b on each side of a stream channel as measured from the ordinary high water line.
Intermittent non-fish-bearing streams	Half of one site-potential tree height on each side of a stream channel as measured from the ordinary high water line.
Natural lakes, ponds > 0.25 acre	One site-potential tree height extending from the edge of the water body as measured from the ordinary high water line.
Ponds < 0.25 acre, Natural wetlands, springs, seeps, constructed reservoirs, ditches, and canals	The edge of a body of water or wetland to the outer edge of its riparian vegetation, or to the extent of seasonally saturated soil, whichever is greatest.

^a Riparian Management Areas are measured by slope (not horizontal) distance from the ordinary high water line.

^b The *site-potential tree height* for the purposes of determining Riparian Management Areas will be based on district averages measured at a scale no finer than the fifth-field watershed.



- Retain all snags and coarse woody debris in thinning operations except for safety or operational reasons (e.g., maintaining access to roads and facilities).
- Make timber to be cut in thinning, tree-falling, and salvage operations available for sale.

For Natural Lakes and Ponds:

- Fall and remove trees only as needed for safety or operational reasons, including, but not limited to: hazard tree removal, creation of yarding corridors, and road construction, improvement, or maintenance.

For Natural Wetlands, Springs, Seeps, Constructed Reservoirs, Ditches, and Canals:

- Do not apply thinning and other silvicultural treatments, including fuels treatments within the area of riparian vegetation or seasonally saturated soils (whichever is greatest).

Note: The management direction below apply within the entirety of the Riparian Management Area, including the 60-foot and 35-foot zones. See Table 11 (*Criteria established for the Riparian Management Area land use allocation*) for a description of Riparian Management Areas.

Implement salvage harvest of timber after a stand-replacing disturbance as needed to reduce hazards to public health and safety in the Wildland Urban Interface.

Fall and remove trees as needed for safety or operational reasons, including but not limited to: hazard tree removal, creation of yarding corridors adjacent to nearby harvest units, and road construction, improvement, or maintenance.

Fall and remove trees as needed for riparian restoration projects, including but not limited to alder or brush field conversions, or for treatment of diseases including but not limited to Port-Orford-cedar root rot disease and sudden oak death outbreaks.

Implement instream and riparian restoration activities, such as placement of boulders and large wood in streams including tree lining from adjacent riparian areas for all streams. Place an emphasis on streams that have high intrinsic potential for fish, high priority fish populations (such as those defined in recovery plans), or high levels of chronic sediment inputs.

Remove or modify constructed fish passage barriers to restore access to stream channels for all life stages of fish species.

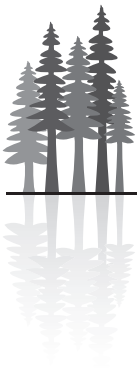
Apply fuels treatments and prescribed burns in Riparian Management Areas as needed to reduce the potential for uncharacteristic wildfires.

Deferred Timber Management Area

The Deferred Timber Management Area land use allocation is established as shown, by resource area, on *Map 1A* (Tillamook Resource Area), *Map 1B* (Mary's Peak Resource Area), and *Map 1C* (Cascades Resource Area). The acres included in the deferred areas are taken from the underlying land use allocations, which for the Salem District is the Timber Management Area. After year 2023, the deferred acres will revert back to their underlying land use allocation and associated management objectives and direction.

Management Objective

Maintain substantially all of the existing levels of older and more structurally complex multi-layered conifer forests through the year 2023.



Management Direction

Defer timber harvest of stands until after the year 2023.

Apply fuels treatments to reduce the fuel hazard. Treatments that reduce crown bulk density or remove trees over 8 inches dbh are prohibited.

Fall and remove trees as needed for safety or operational reasons, including but not limited to hazard tree removal, creation of yarding corridors adjacent to nearby harvest units, and road construction, improvement, or maintenance.

Return deferred areas to the Timber Management Area land use allocation after a stand-replacement disturbance.

Timber Management Area

The Timber Management Area land use allocation is established and consists of commercial forest lands that are not included in the following land use allocations:

- Lands of the National Landscape Conservation System
- Administratively Withdrawn Area
- Late-successional Management Area
- Riparian Management Area
- Deferred Timber Management Area

For Timber Management Area land use allocations, by resource area in the Salem District, see the map packet: *Map 1A* (Tillamook Resource Area), *Map 1B* (Mary's Peak Resource Area), and *Map 1C* (Cascades Resource Area).

Management Objectives

Manage forests to achieve continuous timber production that could be sustained through a balance of growth and harvest.

Offer for sale annually the declared annual productive capacity (allowable sale quantity) of 117 million board feet.

Management Direction

Offer annual timber volume for sale that does not vary more than ten percent from the declared annual productive capacity (allowable sale quantity).

Maintain the cumulative offering of annual timber volume within five percent of the annual productive capacity (allowable sale quantity) over two or more years by adjusting annual timber volume within the allowed annual variation of ten percent.

Offer timber for sale from regeneration harvest units.

See *Table 12 (Estimated decadal allowable sale quantity offered for sale in the Timber Management Area)* for the regeneration harvest units in the Timber Management Area. Also see the map packet, for the Timber Management Area land use allocation by resource area in the Salem District: *Map 1A* (Tillamook Resource Area), *Map 1B* (Mary's Peak Resource Area), and *Map 1C* (Cascades Resource Area).

Implement regeneration harvests to remove volume and replace slower-growing stands with young, rapidly growing stands. Generally, schedule regeneration harvests for stands to maximize potential growth and yield.

The minimum age of stands for regeneration harvesting are stand as young as the 40-year age class. Generally, harvest stands above the minimum age.



TABLE 12. ESTIMATED DECADAL ASQ OFFERED FOR SALE IN THE TIMBER MANAGEMENT AREA, SALEM DISTRICT

Estimated Portion of the Decadal ASQ Offered for Sale	10-Year Volume (mmbf)
From regeneration harvest units in the Timber Management Area	800
From commercial thinning harvest units in the Timber Management Area	370

Apply regeneration harvests to younger stands for purposes that include management of:

- Age class distribution
- Diseased stands
- A change in species composition to a more commercially desirable species
- Overstocked stands with poor vigor and low crown ratio
- Areas affected by natural disturbance

Remove all merchantable material from regeneration harvest units. Retain noncommercial trees, snags, and coarse woody debris except for safety or operational reasons, including but not limited to: hazard tree and log removal, creation of yarding corridors, and road construction. Noncommercial trees, snags, and coarse woody debris may also be removed as part of biomass recovery.

In 6th field watersheds susceptible to peak flow increases in the rain-on-snow hydroregion, where regeneration harvest would result in peak flow increases that would cause adverse effects to stream form or fish, retain 7 trees per acre greater than 20" diameter breast height so as to reduce wind speed across regeneration harvest units. If sufficient noncommercial trees are not available in regeneration harvest units to accomplish the purpose, retain additional merchantable trees to provide an average over the harvest unit of 7 total trees per acre greater than 20" diameter breast height.

Offer timber for sale from commercial thinning harvest units. See *Table 12 (Estimated decadal allowable sale quantity offered for sale in the Timber Management Area)* for the commercial thinning harvest units in the Timber Management Area.

Apply commercial thinning to recover anticipated mortality; to adjust stand composition or dominance; to reduce stand susceptibility to disturbances such as a fire, windstorm, disease, or insect infestation; and to improve merchantability and value.

Maintain stand densities through commercial thinning at levels above that needed to occupy the site, but below densities that will result in loss of stand vigor and health.

Convert stands with a composition of commercially undesirable tree species or an inadequate stocking of commercially desirable tree species to stands that are fully stocked by desirable tree species. Treatment projects designed to convert stands to desirable tree species are not subject to the minimum age requirements of regeneration harvests.

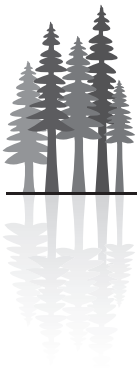
Implement salvage harvest in a timely manner after natural disturbances to recover volume and economic value, and to minimize commercial loss or deterioration of damaged trees.

Management Objective

In harvested or disturbed areas, assure the establishment and survival of commercially desirable trees and enhance their growth.

Management Direction

Prepare newly harvested and inadequately stocked areas for the regeneration of commercially desirable tree species as determined by the BLM.



Site preparation methods include mechanical or manual procedures, and prescribed burns.

Achieve adequate reforestation as promptly as practical following timber harvests, as follows:

- Reforest harvested areas with indigenous tree species.
- Manage identified root disease centers for indigenous disease-resistant tree species.
- Utilize genetically improved indigenous trees in reforestation to the extent available.

Promote the establishment and survival of commercially desirable coniferous seedlings and saplings through stand maintenance and protective treatments.

Management Objective

Enhance the health, stability, growth, vigor, and economic value of forest stands.

Management Direction

Convert lands historically supporting conifer species that are currently growing primarily brush or hardwoods to conifer species suitable to the site, unless the hardwoods would produce a higher net monetary return.

Apply precommercial thinning to forest stands to achieve appropriate stocking levels.

Apply fertilizer to forest stands that are at suitable density levels and where treatment will increase stand growth and timber yields.

Apply pruning to enhance timber value and for fuels and disease management.

Resource Programs

The management direction listed in this section by individual resource programs will be applied in any land use allocation.

Air

Management Objective

Avoid impacts to air quality in areas designated as Class I for air quality and nonattainment areas.

Management Direction

Implement prescribed burns in accordance with the Oregon Smoke Management Plan to reduce emissions, to avoid smoke intrusions into designated areas, and to avoid degrading the visibility in Class I areas.

Utilize dust palliatives where needed to reduce dust during timber hauling operations and other management activities that utilize native, cinder, or crushed rock surfaced roads.

**TABLE 13. AREAS OF CRITICAL ENVIRONMENTAL CONCERN, SALEM DISTRICT**

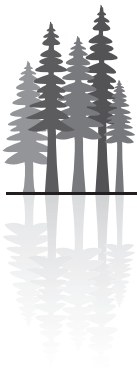
Location # on Map 2A/2B/2C	ACEC Name	Total Area (acres)
1	Crabtree Complex RNA/ONA	1,231
2	Elk Creek	783
3	Forest Peak RNA	155
4	Grass Mountain RNA	930
5	High Peak - Moon Creek RNA	1,489
6	Jackson Bend	15
7	Little North Fork Wilson River	1,821
8	Little Sink RNA	81
9	Lost Prairie	60
10	Marys Peak ONA	75
11	Marys Peak B	353
12	Middle Santiam Terrace	182
13	Mill Creek Ridge	114
14	Molalla Meadows	197
15	Nestucca River	1,162
16	Rickreall Ridge	368
17	Saddlebag Mountain RNA	300
18	Sandy River ONA	8,827
19	Silt Creek	110
20	Soosap Meadows	205
21	The Butte RNA	39
22	Valley of the Giants ONA	1,311
23	Walker Flat	10
24	Waterloo	9
25	Yampo	13
26	Yaquina Head ONA	91

Areas of Critical Environmental Concern including Research Natural Areas

Designate Areas of Critical Environmental Concern, including research natural areas, as listed in *Table 13 (Areas of critical environmental concern, Salem District)* and shown on *Map 2A (Tillamook Resource Area)*, *Map 2B (Mary's Peak Resource Area)*, and *Map 2C (Cascades Resource Area)*.

Management Objective

Maintain or restore important and relevant values in Areas of Critical Environmental Concern, including research natural areas and outstanding natural areas.



Management Direction

Implement activities as necessary to maintain or restore important and relevant values (see *Appendix D - Areas of Critical Environmental Concern*).

Botany

Special Status Plant and Fungi Species

Management Objective

Provide for conservation of BLM special status species.

Management Direction

Manage plant species that are listed under the Endangered Species Act consistent with recovery plans and designated critical habitat.

Manage BLM special status plant and fungi species to maintain or restore populations and habitat consistent with species conservation needs. Protection measures may include altering the type, timing, extent, and intensity of actions; and other strategies designed to maintain populations of species. Restorative measures may include establishing new populations or augmenting existing populations.

Implement conservation and cooperative plans, strategies, and agreements for special status species.

Plant Communities on Nonforest and Noncommercial Forest Lands

Management Objective

Maintain or restore natural plant communities on nonforest and noncommercial forest lands.

Management Direction

Maintain or restore natural plant communities through activities including the use of disturbances (such as prescribed burning and cutting of vegetation), retention of legacy components, and removal of invading vegetation (such as conifers in meadows, grasslands, or oak woodlands).

Re-vegetate degraded or disturbed areas with native seed or plants to maintain the native plant community.

Design road construction, road maintenance, and culvert replacement to retain or reconnect the hydrologic flows to streams, wetlands, springs, fens, ponds, and vernal pools.

Invasive Plants

Management Objective

Avoid the introduction of invasive plants and the spread of existing invasive plant infestations on BLM-administered lands.

Management Direction

Implement measures to prevent, detect, and rapidly control new invasive plant infestations.



Utilize manual, mechanical, cultural, chemical, and biological treatments to manage invasive plant infestations.

Treat invasive plants in accordance with the Records of Decision (RODs) for the *Northwest Area Noxious Weed Control Program EIS* and the *Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Impact Statement* (September, 2007).

Cultural and Paleontological Resources, including American Indian Traditional Uses

Management Objective

Conserve scientific, traditional use, heritage, educational, public, and recreational values of cultural and paleontological resource sites.

Management Direction

Avoid ground-disturbing actions on sites that are listed (or eligible for listing) on the National Register of Historic Places. Salvage sites with scientific value prior to disturbance through practices such as data recovery, which include excavation, relocation, or documentation if avoidance is not practical

Classify cultural properties to the following use categories:

- Classify cultural properties that are determined to be available for consideration as the subject of scientific or historical study as *scientific use sites* or *experimental use sites*.
- Classify unusual cultural properties that are not currently available for scientific or historical study, because of scarcity, a research potential that surpasses the current state-of-the-art, singular historic importance, cultural importance, tribal importance, architectural interest, or comparable reasons as *conservation for future use sites*. Select sites for the purpose of retaining a representative sample of site types from those available in areas where conflicts with other resource management activities are not anticipated. Preserve these sites.
- Classify cultural properties known to be important in maintaining the cultural identity, heritage, or well being of a specified and recognized tribes as *traditional use sites*. Manage these sites to accommodate their continuing traditional use.
- Classify cultural properties found to be appropriate for use as interpretive exhibits at their original location (i.e., in place), or found to be appropriate for related educational and recreational uses as *public use sites*. Priority locations for these interpretive exhibits will include developed recreation sites, recreation corridors, and locations where recreation is being promoted. Preserve these sites.
- Provide no special management for cultural properties that are only important for their scientific values and whose research potential is effectively exhausted (ones where the salient information has been collected and preserved, or has been destroyed by natural or human activity). These are *discharged use sites*.

The use categories for existing sites and new sites may be assigned or changed by comparing the site's characteristics to these use category descriptions.

Acquire significant cultural resource properties for public, cultural heritage, and scientific purposes when such properties are adjacent to or are inholdings of BLM-administered land.

Excavate and recover the data where warranted by the scientific importance of the cultural and paleontological sites threatened by natural processes or human activity.



Energy and Minerals

Management Objective

Maintain existing opportunities and develop new opportunities for the exploration and development of locatable, leasable, and saleable energy and mineral resources, wind energy development, and casual mineral prospecting.

Management Direction

Provide for energy and mineral resource exploration and development.

Provide for biomass availability from harvesting actions, silvicultural treatments, and forest health and fuels treatments for use as combustible fuel or other energy products.

Utilize new and existing quarry and pit sites to provide economical sources of rock and aggregate. Existing quarry and pit sites, along with the areas involved in their incremental expansion will be managed as existing facilities and will not be available for other management uses.

See Table 14 (*Areas open or closed to energy and mineral developments, Salem District*) for the areas that are open or closed to energy and mineral developments.

See Appendix E for a reasonably foreseeable development scenario and the stipulations that will be applied to developments.

TABLE 14. AREAS OPEN OR CLOSED TO ENERGY AND MINERAL DEVELOPMENTS, SALEM DISTRICT

Categories and Subcategories		Acres
Federal Surface and Mineral Estate		398,100
Federal Minerals/Private Surface		27,800
Locatable (e.g., metallics and gemstones)		
Closed	Nondiscretionary	5,900
Closed	Discretionary	16,200
Open	Standard Restrictions and/or Stipulations	49,200
Open	Additional Restrictions	326,800
Salable (e.g., sand, gravel, stone, clays, pumice)		
Closed	Nondiscretionary	5,900
Closed	Discretionary	220,400
Open	Standard Restrictions/Stipulations	49,200
Open	Additional Restrictions	122,600
Leasable (e.g., oil, gas, geothermal, coal, chemical minerals^a)		
Closed	Nondiscretionary	100
Open	Standard Restrictions/Stipulations	108,600
Open	Additional Restrictions	266,200
Open	No Surface Occupancy	27,700

^aChemical minerals include phosphate, sodium, potassium, sulphur, etc. that may or may not be present in the planning area. These minerals are commonly used by industry to prepare brines or acids, or to serve as chemical bases in the manufacture of other products.



Fire and Fuels Management

Management Objectives

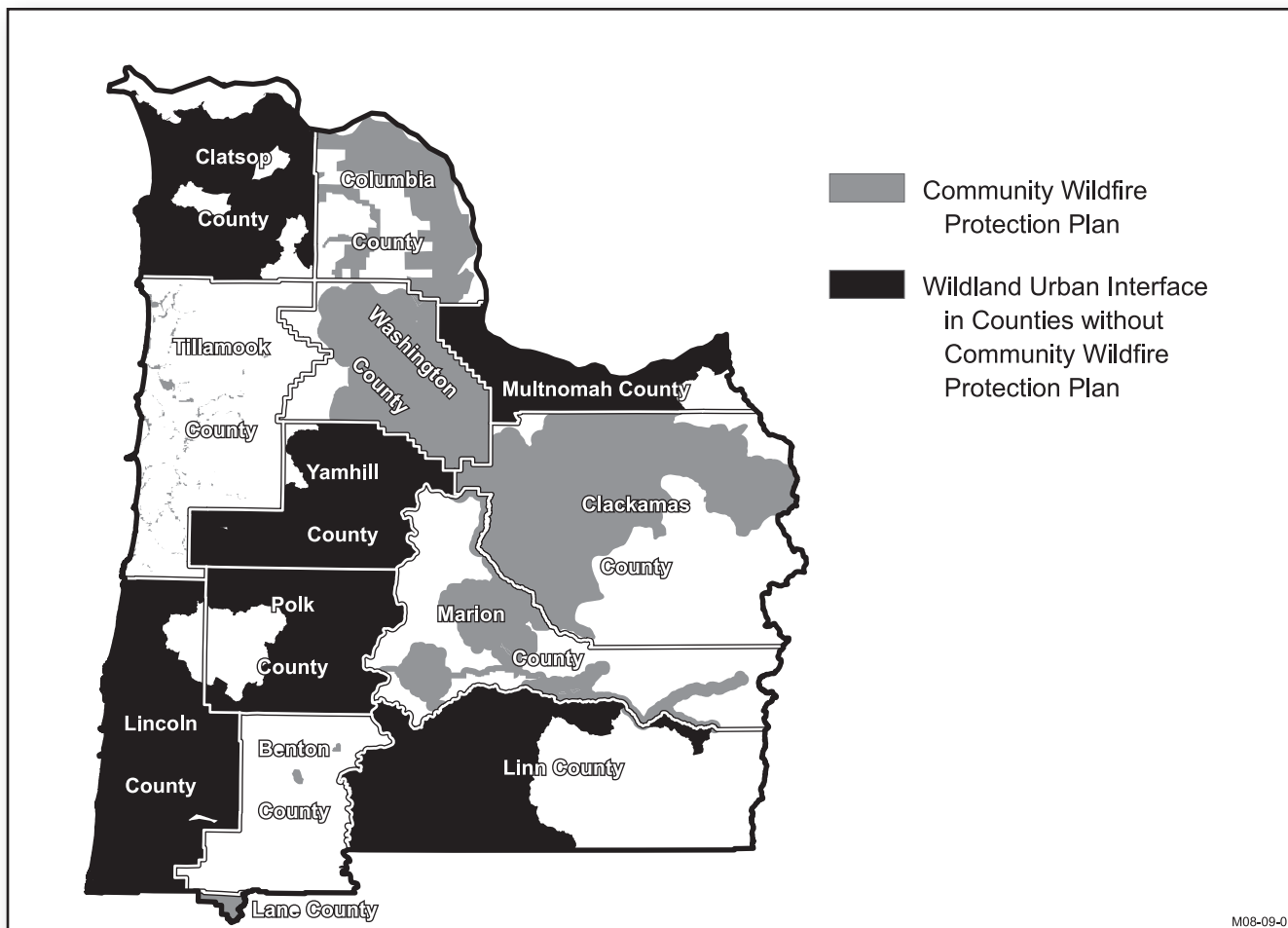
- Reduce the fire hazards to communities that are at risk from uncharacteristic wildfires.
- Decrease the risk of large wildfires, and reduce the cost and associated hazard of fire suppression.
- Reduce the risk of resource damage due to uncharacteristic wildfires.

Management Direction

Treat hazardous fuels generated by management activity, particularly in wildland urban interface areas. See *Figure 4 (Wildland urban interface)*.

Apply fuels treatment to stands of any age in order to reduce the fuel hazards. Fuel treatments will include such activities as tree cutting and removal, brush cutting, pruning, reducing crown bulk density (except in the *Deferred Timber Management Area*), treating of activity fuels, removing of biomass, and prescribed burning.

FIGURE 4. WILDLAND URBAN INTERFACE



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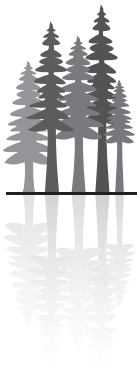


TABLE 15. FUEL TREATMENT EMPHASIS AREAS USING FIRE REGIME AND FIRE REGIME CONDITION CLASS

Fire Regime	Fire Regime Condition Class	Priority
1	3	HIGH
1	2	HIGH
1	1	HIGH
2	3	HIGH
2	2	HIGH
2	1	MODERATE
3	3	HIGH
3	2	HIGH
3	1	MODERATE
4	3	LOW
4	2	LOW
4	1	LOW
5	3	LOW
5	2	LOW
5	1	LOW

Fuels treatments will occur in various combinations of Fire Regimes and Fire Regime Condition Classes, with an emphasis on those combinations identified as high priority in *Table 15 (Fuel treatment emphasis areas using Fire Regime and Fire Regime Condition Class)*.

Apply vegetation treatments in noncommercial oak woodlands to create open conditions with large fire-resistant oaks.

Utilize prescribed burns in low intensity, high frequency fire regimes to emulate natural fire occurrences.

Remove vegetation and implement other associated maintenance activities to maintain access around ponds and water sources that have been constructed as fire suppression water sources.

Fish

Management objectives and direction for fish habitat are included under the Riparian Management Area land use allocation.

Hazardous Materials

Management Objectives

Limit the use of hazardous materials.

Eliminate hazardous wastes.



Management Direction

Respond to hazardous material incidents through actions such as cleanup, proper notifications, criminal investigations, and site assessments.

Store, treat, and dispose of hazardous materials in accordance with applicable laws and regulations.

Protect employees and the public from known hazardous materials on BLM-administered lands.

Lands, Realty, Access, and Transportation

Management Objectives

Make land tenure adjustments to facilitate the management of resources.

Provide legal access to BLM-administered lands and facilities to support resource management programs.

Provide needed rights-of-way, permits, leases, and easements over BLM-administered lands in a manner that is consistent with federal and state laws.

Provide a road transportation system that serves resource management needs.

Protect lands that have important resource values or substantial levels of investment by withdrawing them, where necessary, from the implementation of nondiscretionary public land and mineral laws.

Management Direction

Retain lands in Zone 1 under BLM administration. Lands in Zone 1 include:

- National Landscape Conservation System designated lands
- Areas of critical environmental concern
- Research natural areas
- Outstanding natural areas
- Developed recreation sites
- Critical habitat for threatened or endangered species

Lands in Zone 2 will be available for exchange to enhance public resource values, improve management capabilities, or reduce the potential for land use conflict. Zone 2 lands consist of all lands not listed in the descriptions of Zone 1 and Zone 3 lands (see *Appendix F – Lands*).

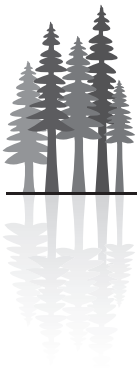
Lands in Zone 3 will be available for disposal using appropriate disposal mechanisms. These lands will include:

- Lands that are either not practical to manage, or are uneconomical to manage (because of their intermingled location and nonsuitability for management by another federal agency)
- Survey hiatuses
- Encroachments

TABLE 16. ACRES OF LAND TENURE ZONES, SALEM DISTRICT

Land Tenure Zone	Acres
Zone 1 – Retention and Acquisition	237,700
Zone 2 – Suitable for Exchange and Consolidation	160,000
Zone 3 – Suitable for Disposal	4,600

Note: See Maps 3A, 3B, and 3C in the map packet.



Assign lands with survey hiatuses and encroachments that are discovered in the future to Zone 3. For the locations of land tenure Zone 3 lands in the Salem District, by resource area, see the map packet: *Map 3A* for the Tillamook Resource Area, *Map 3B* for the Mary's Peak Resource Area, and *Map 3C* for the Cascades Resource Area. Also see *Table 16 (Acres of land tenure zones, Salem District)*.

Assign lands in Zones 2 and 3 that are included in future designations of critical habitat by the U.S. Fish and Wildlife Service to Zone 1.

Do not reduce through disposal, exchange or sale, the acres of O&C lands or Coos Bay Wagon Road Lands of all classifications, and the acres of O&C, Coos Bay Wagon Road, and public domain lands that are available for harvesting. The total net change in land tenure in the planning area will be evaluated every 10 years, dating from 1998.

Lands will be acquired or disposed of to facilitate resource management objectives as opportunities occur. See the *Land Tenure Adjustment Criteria* section in *Appendix F - Lands*.

Manage newly acquired lands for the purpose for which they were acquired or in a manner that is consistent with management objectives for adjacent BLM-administered lands or other BLM-administered lands having similar resource values.

Issue temporary-use permits, as identified under the Federal Land Policy and Management Act (Section 302), for a variety of uses such as, but not limited to, stockpile and storage sites and as tools to authorize unintentional trespass situations pending final resolution.

Recognize existing rights-of-way, permits, and easements as valid uses.

No new leases or permits will be issued for landfills or solid waste disposal sites.

Utilize land-use authorizations to resolve agricultural or occupancy trespasses, where appropriate.

Limit withdrawals to the area needed and restrict only those activities needed to accomplish the purposes of the withdrawal.

Class I visual resource management areas are *right-of-way exclusion areas* where future rights-of-way will be granted only on a case-by-case basis or when mandated by law.

Recreation sites, Areas of Critical Environmental Concern, research natural areas, wild and scenic rivers that are classified as scenic and recreational rivers, and Class II visual resource management areas will be *right-of-way avoidance areas* (i.e., rights-of-way will be granted only where no practical alternative is available).

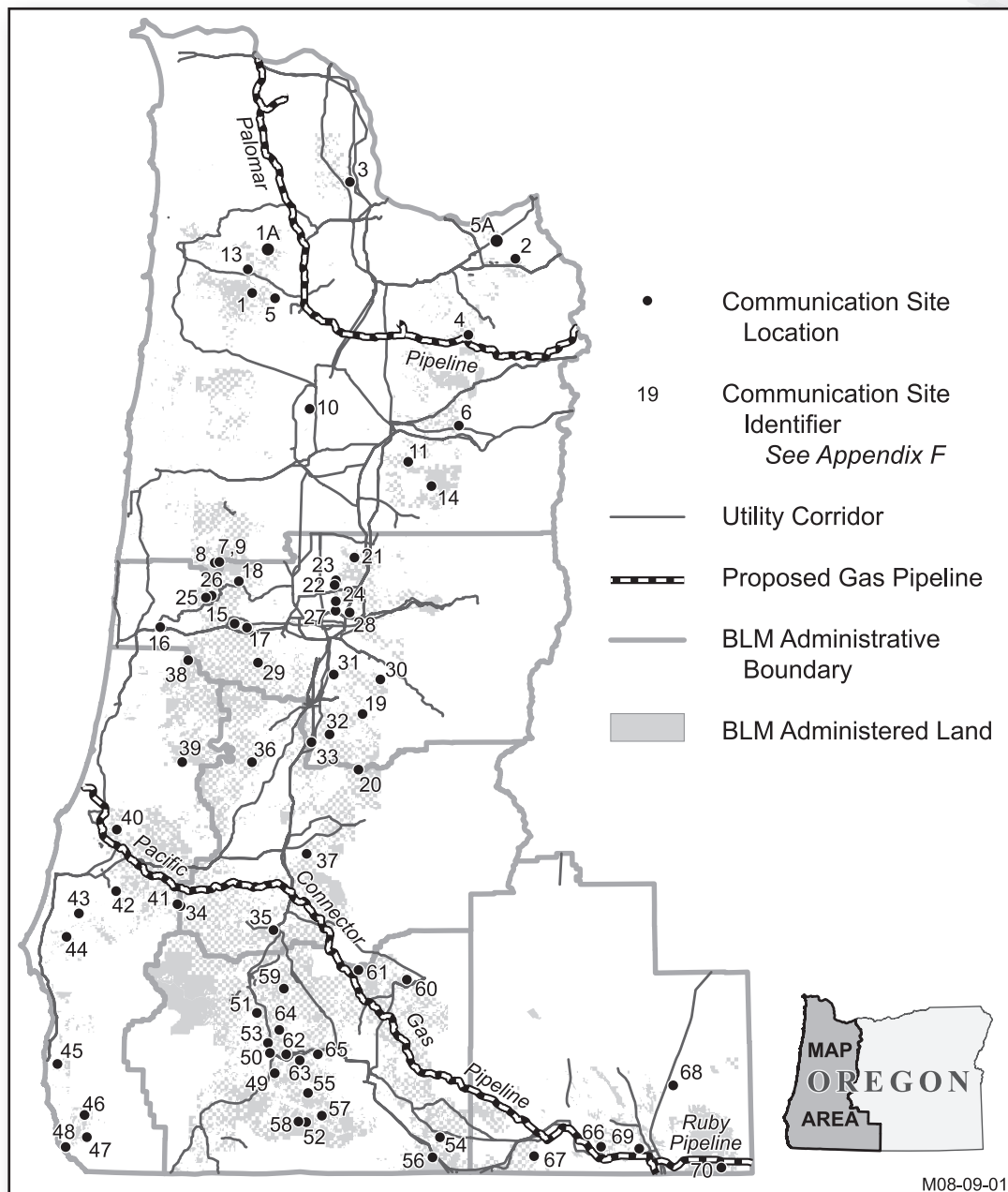
Utility corridors are the preferred location for energy transmission or distribution facilities. Corridors are generally 1,000 feet on each side of the centerline. The rights-of-way granted will be the minimum necessary to accommodate a specific request. No development or management activities will be permitted that would conflict with construction, operation, or maintenance of facilities corresponding to the purpose of the utility corridor. See *Figure 5 (Utility corridors and communication sites)*.

New communication facilities will be allowed on existing developed communication sites where they do not conflict with other management objectives. See *Figure 5 (Utility corridors and communication sites)* and *Appendix F - Lands*.

Expansion of existing communication sites and the development of new sites will be permitted. The priority for accommodating the need for additional capacity will be the use of existing sites and facilities.



FIGURE 5. UTILITY CORRIDORS AND COMMUNICATION SITES



Manage existing roads to protect resource values, provide for safety, protect facility investment, and provide access for management activities. Remove hazard trees and downed trees along roads for safety or operational reasons.

New permanent or temporary roads, and stream-crossing structures, will be constructed where needed for the implementation of management direction.

Roads that are not needed for long-term resource management will be decommissioned.



Recreation

Management Objective

Provide a diversity of developed and dispersed outdoor recreational opportunities that contribute to meeting recreational demand and quality visitor experiences.

Management Direction

Pursue public access to BLM-administered lands that have high recreational potential.

Manage special recreation management areas in accordance with their planning frameworks.

See the following:

- *Table 17 (Recreation Management Areas)*
- *Appendix G – Recreation*
- *Maps in the map packet:*
 - *Map 2A* for recreation management areas in the Tillamook Resource Area
 - *Map 2B* for recreation management areas in the Mary’s Peak Resource Area
 - *Map 2C* for recreation management areas in the Cascades Resource Area

Manage lands not designated as special recreation management areas as extensive recreation management areas for developed and dispersed recreational opportunities. See *Table 17*.

Maintain recreational developments (including sites, trails, and backcountry byways). See *Table 18 (Recreation sites, Salem District)*, *Table 19 (Recreation trails, Salem District)*, and *Table 20 (Backcountry Byways, Salem District)*. Also see the map packet: *Map 2A (Tillamook Resource Area)*, *Map 2B (Mary’s Peak Resource Area)*, and *Map 2C (Cascades Resource Area)*.

Develop potential recreational sites and trails in the future depending on recreational demand and feasibility. See *Table 21 (Potential recreation sites and potential recreation trails, Salem District)*, *Figure 6 (Potential recreation sites)*, and *Figure 7 (Potential recreation trails)*.

TABLE 17. RECREATION MANAGEMENT AREAS, SALEM DISTRICT

Location # On Maps 2A/2B/2C	Recreation Management Area	Acres
Special Recreation Management Areas (SRMA)		
1	Alea Falls	13,270
2	Fishermen’s Bend	178
3	Little North Santiam River	3,282
4	Molalla River/Table Rock	11,875
5	Nestucca River	1,074
6	Sandy River/Mt. Hood Corridor	11,568
7	Yaquina Head	100
8	Yellowstone	38,261
Total SRMA Acres		79,608
Extensive Recreation Management Areas (ERMA)		
Map 2A	Tillamook	102,988
Map 2B	Mary’s Peak	115,126
Map 2C	Cascades	105,509
Total ERMA Acres		323,623

**TABLE 18. RECREATION SITES, SALEM DISTRICT**

Location # on Map 2A/2B/2C	Recreation Site	Acres
1	Alder Glen Campground and Day-Use Area	5
2	Alsea Falls Campground and Day-Use Area	25
3	Canyon Creek Day-Use Area	4
4	Dogwood Day-Use Area	11
5	Dovre Campground and Day-Use Area	5
6	Elk Bend Campground and Day-Use Area	4
7	Elk Flat OHV Staging Area	1
8	Elkhorn Valley Campground and Day-Use Area	78
9	Fan Creek Campground and Day-Use Area	4
10	Fishermen's Bend Campground and Day-Use Area	177
11	Grassy Flat OHV Staging Area	1
12	Hardy Creek Trail Head	3
13	Mill Creek Day-Use Area	5
14	Missouri Bend Day-Use Area	2
15	Old Miner's Meadow Group Use Area	2
16	Sheridan Peak Day-Use Area	3
17	Whipup OHV Staging Area	1
18	Wildwood Day-Use Area	556
19	Yaquina Head Day-Use Area	90
20	Yellowbottom Campground and Day-Use Area	13

TABLE 19. RECREATION TRAILS, SALEM DISTRICT

Location # on Maps 2A/2B/2C	Recreation Trails	Miles
1	Alsea Falls Trails System	4.0
2	Baty Butte/Silver King Trail	3.4
3	Boulder Ridge Trail	0.2
4	Eagle Creek Trail	0.5
5	McIntyre Ridge Trail	0.7
6	Molalla River Trails System	24.6
7	Nasty Rock Trail	0.9
8	Table Rock Wilderness Trails	20.4
9	Upper Nestucca OHV Trail System	25.0
10	Valley-of-the-Giants Trail	0.8
Total Miles		80.5

TABLE 20. BACKCOUNTRY BYWAYS, SALEM DISTRICT

Location # on Maps 2A/2B/2C	Backcountry Byways	Miles
1	Nestucca River	29
2	Quartzville	12.5
3	South Fork Alsea River	11
Total Miles		52.5

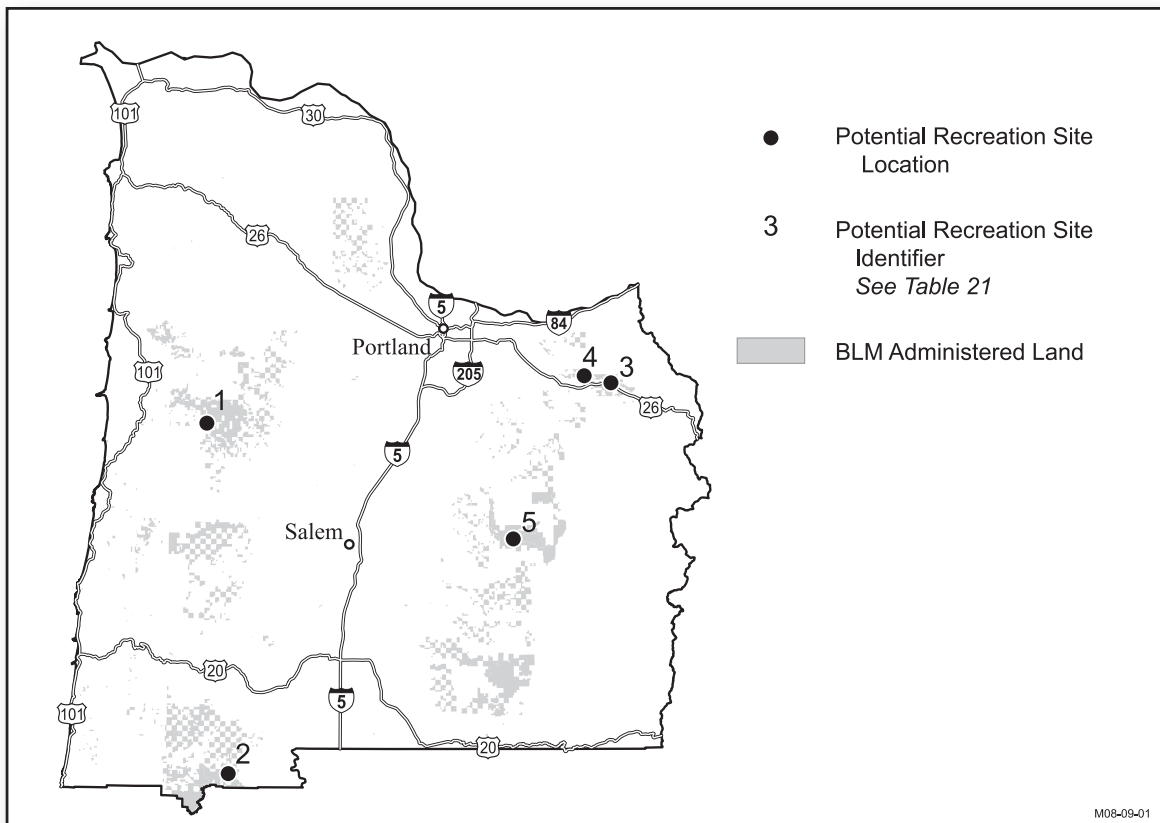


TABLE 21. POTENTIAL RECREATION SITES AND POTENTIAL RECREATION TRAILS, SALEM DISTRICT

Location # on Figure 6	Potential Recreation Sites ^a	Acres
1	Alder Glen Expansion	1
2	Alsea Falls Expansion	96
3	Barlow	115
4	Marmot	155
5	Molalla River	86
Total Acres		453
Location # on Figure 7	Potential Recreation Trails ^a	Miles
1	Baty Butte/Silver King Trail Expansion	8.2
2	Corvallis-to-Sea	1.6
3	Crabtree Mountain	12.8
4	CZ Mainline Linear	1.0
5	Dovre	0.1
6	Equestrian	5.3
7	Jane Creek	2.8
8	Marmot	8
9	Molalla Trails Expansion	17.5
10	Nestucca River	7.8
11	Robb Mill Trail	3.1
12	Sandy River	25
13	Table Rock Wilderness	3.0
14	Wilhoit Springs	2.6
Total Miles		98.8

^aSee Figure 6 for general locations of potential recreation sites, and Figure 7 for general locations of potential recreation trails.

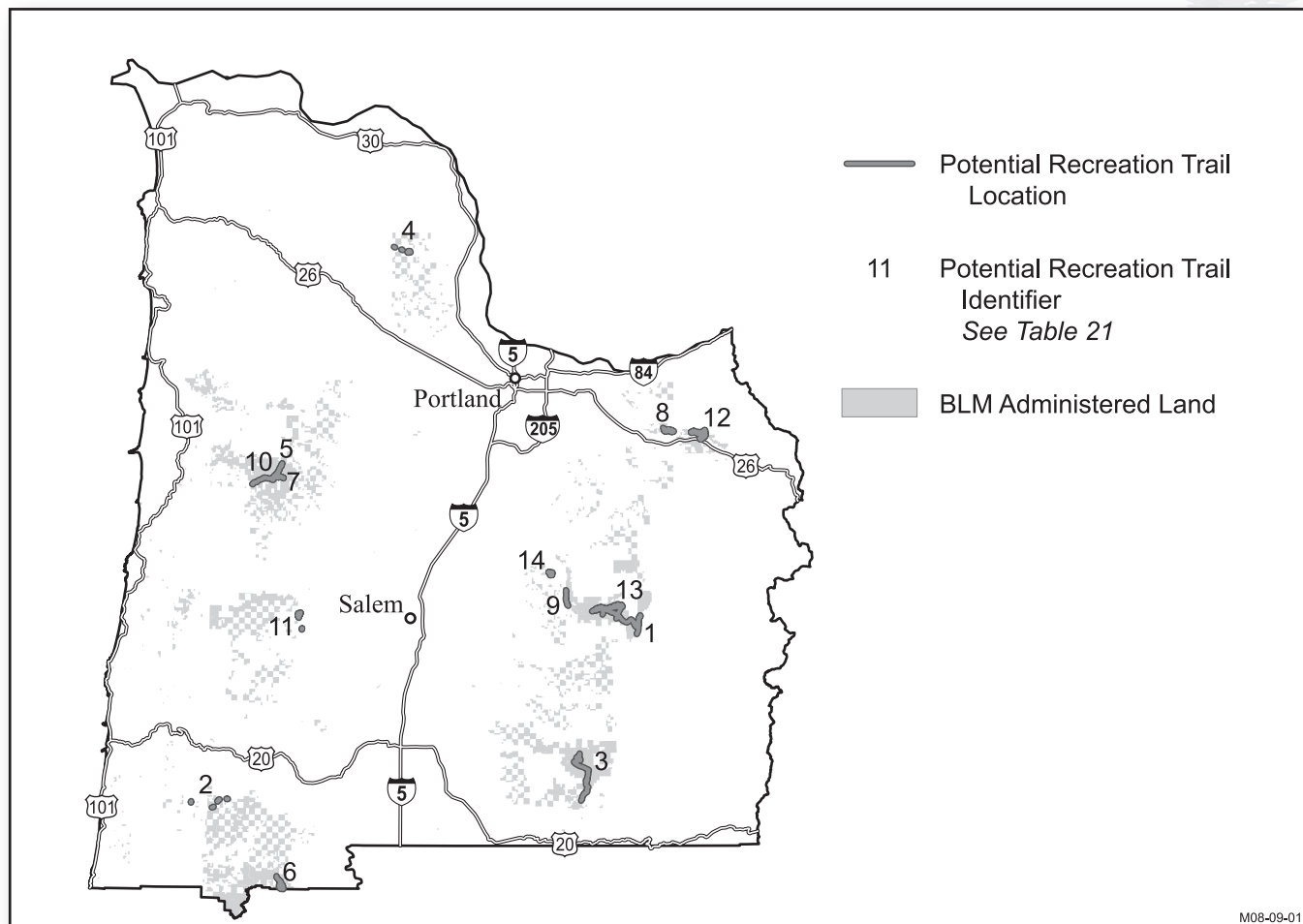
FIGURE 6. POTENTIAL RECREATION SITES, SALEM DISTRICT



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FIGURE 7. POTENTIAL RECREATION TRAILS, SALEM DISTRICT



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Withdraw areas containing recreational developments from mineral entry and development.

Develop closed or abandoned roads where feasible to provide additional trail opportunities.

Provide service-oriented and outreach programs, including interpretation and education to visitors.

Manage environmental education areas to provide educational opportunities for the public. See *Table 22 (Environmental education areas, Salem District)*.

Manage recreation sites authorized under the Recreation and Public Purposes Act according to their lease agreements. See *Table 23 (Recreation and Public Purpose Leases, Salem District)*.

Areas listed in *Table 24 (Areas closed to off-highway vehicle use, Salem District)* are designated as closed to off-highway vehicle use.

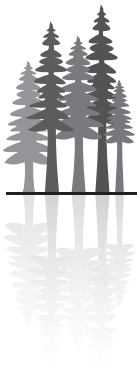


TABLE 22. ENVIRONMENTAL EDUCATION AREAS, SALEM DISTRICT

Environmental Education Areas	Acres
Aquila Vista	178
Larch Mountain	183
Total Acres	361

TABLE 23. RECREATION AND PUBLIC PURPOSE LEASES, SALEM DISTRICT

R&PP Leases	Lessee	Acres
JJ Collins Memorial Park	Columbia County	2
Little North Fork	Marion County	11
Oxbow	Multnomah County	279
Scaponia	Columbia County	5
Silver Falls State Park	State of Oregon	230
Wells Island	Polk County	73
Total Acres		600

TABLE 24. AREAS CLOSED TO OFF-HIGHWAY VEHICLE USE, SALEM DISTRICT

Areas Closed to Off-Highway Vehicle Use	Acres
Alsea Falls East Elk Emphasis Areas	520
Bummer Ridge Elk Emphasis Areas	3,566
Crabtree Complex RNA/ONA/ACEC	1,231
Elk Creek ACEC	784
Forest Peak RNA/ACEC	155
Grass Mountain RNA/ACEC	930
Hunter/Church Creek Area	2,267
High Peak – Moon Creek RNA/ACEC	1,490
Jackson Bend ACEC	15
Little North Fork Wilson River ACEC	1,745
Little Sink RNA/ACEC	81
Lost Prairie ACEC	61
Middle Santiam Terrace ACEC	182
Mill Creek Ridge ACEC	114
Molalla Meadows ACEC	197
Molalla River Non-Motorized Trail System	2,692
Mt. Hood Corridor and Bull Run Watershed Management Unit	2,660
Pacific City	75
Progeny Test Sites	793
Rickreall Ridge ACEC	368
Saddlebag Mountain RNA/ACEC	300
Sandy River ONA/ACEC	8,827
Silt Creek ACEC	107
Skunk Creek Elk Emphasis Areas	690
Soosap Meadows ACEC	177
Table Rock Wilderness	6,613
The Butte RNA/ACEC	40
Valley of the Giants ACEC	1,311
Valsetz-Luckiamute CTMA Elk Emphasis Areas	1,981
Walker Flat ACEC	10
Waterloo ACEC	9
Willamette River Parcels	89
Total Acres	39,646

**TABLE 25. OFF-HIGHWAY VEHICLE AREA DESIGNATIONS, SALEM DISTRICT**

Off-Highway Vehicle Area Designations	Acres
Open	0
Limited to existing roads and trails	0
Limited to existing roads and designated trails	0
Limited to designated roads and trails	274,600
Limited to designated roads	85,165
Closed	40,050
Total	399,815

TABLE 26. OHV EMPHASIS AREAS AND POTENTIAL OHV EMPHASIS AREAS, SALEM DISTRICT

Off-Highway Vehicle Emphasis Area	Acres
Upper Nestucca	9,579
Note: See Figure 9 for the location of this OHV emphasis area.	
Potential Off-Highway Vehicle Emphasis Areas	
Crooked Finger	454
Flat Mountain	6,892

Areas not designated as *closed* to off-highway vehicle use are designated as *limited to designated roads and trails*. See Table 25 (*Off-highway vehicle area designations, Salem District*).

Manage areas listed in Table 26 (*Off-highway vehicle emphasis areas and potential emphasis areas, Salem District*) as off-highway vehicle emphasis areas.

Develop potential off-highway vehicle emphasis areas (see Table 26) in the future, depending on recreational demand and feasibility.

See Figure 8 (*Off-highway vehicle area designations, Salem District*), Figure 9 (*Off-highway vehicle emphasis areas, Salem District*) for off-highway vehicle area designations and emphasis areas.

Manage off-highway vehicle areas and off-highway vehicle emphasis areas according to interim management guidelines until subsequent comprehensive travel management plans are completed. See *Appendix G - Recreation*.

Manage lands within state scenic waterway corridors (see Table 27, *Oregon State Scenic Waterways, Salem District*), excluding portions that occur on O&C lands that are suitable for permanent timber production, to protect and enhance identified scenic, aesthetic, recreation, scientific, research, fish, and wildlife qualities.



FIGURE 8. OFF-HIGHWAY VEHICLE AREA DESIGNATIONS, SALEM DISTRICT

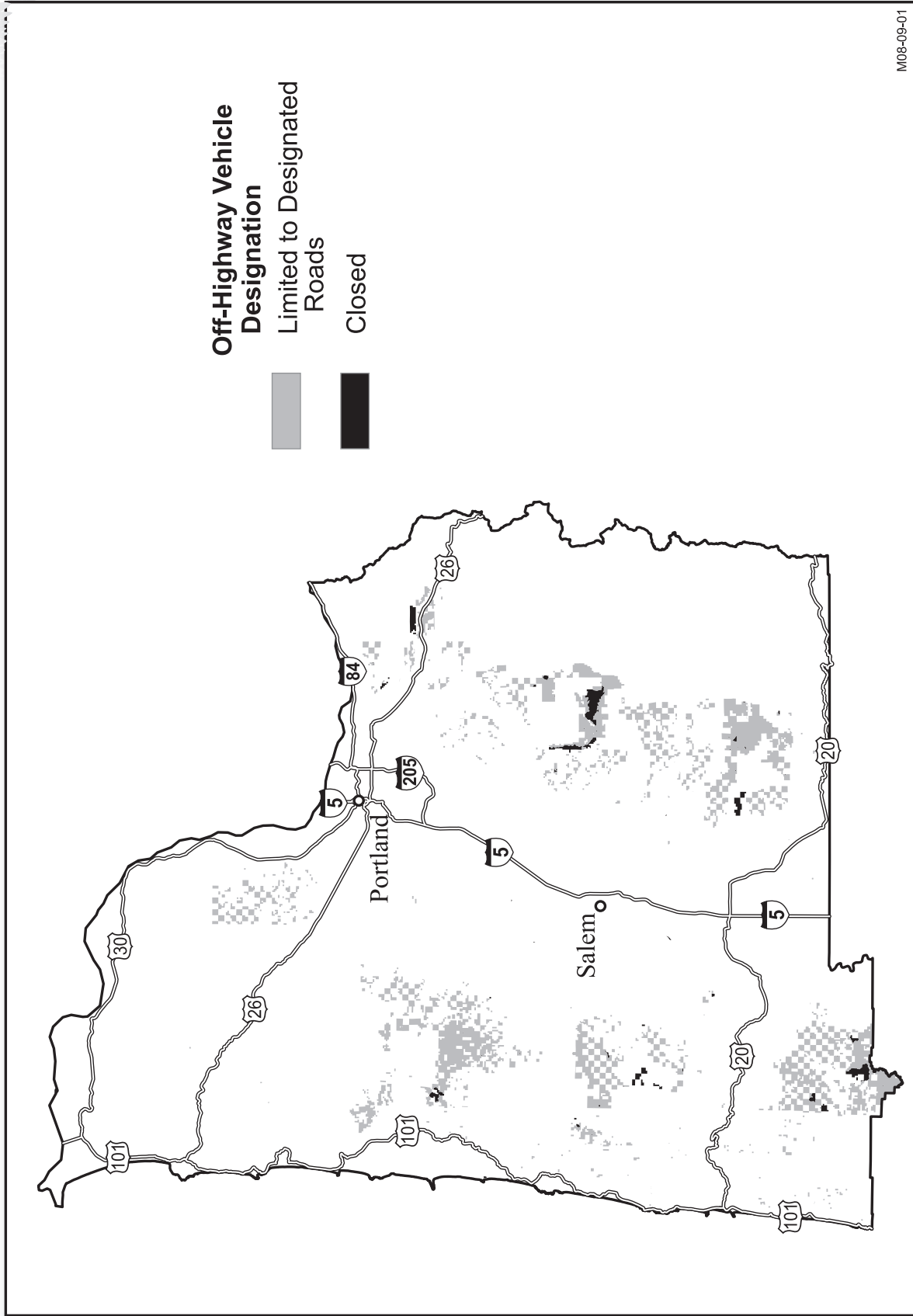
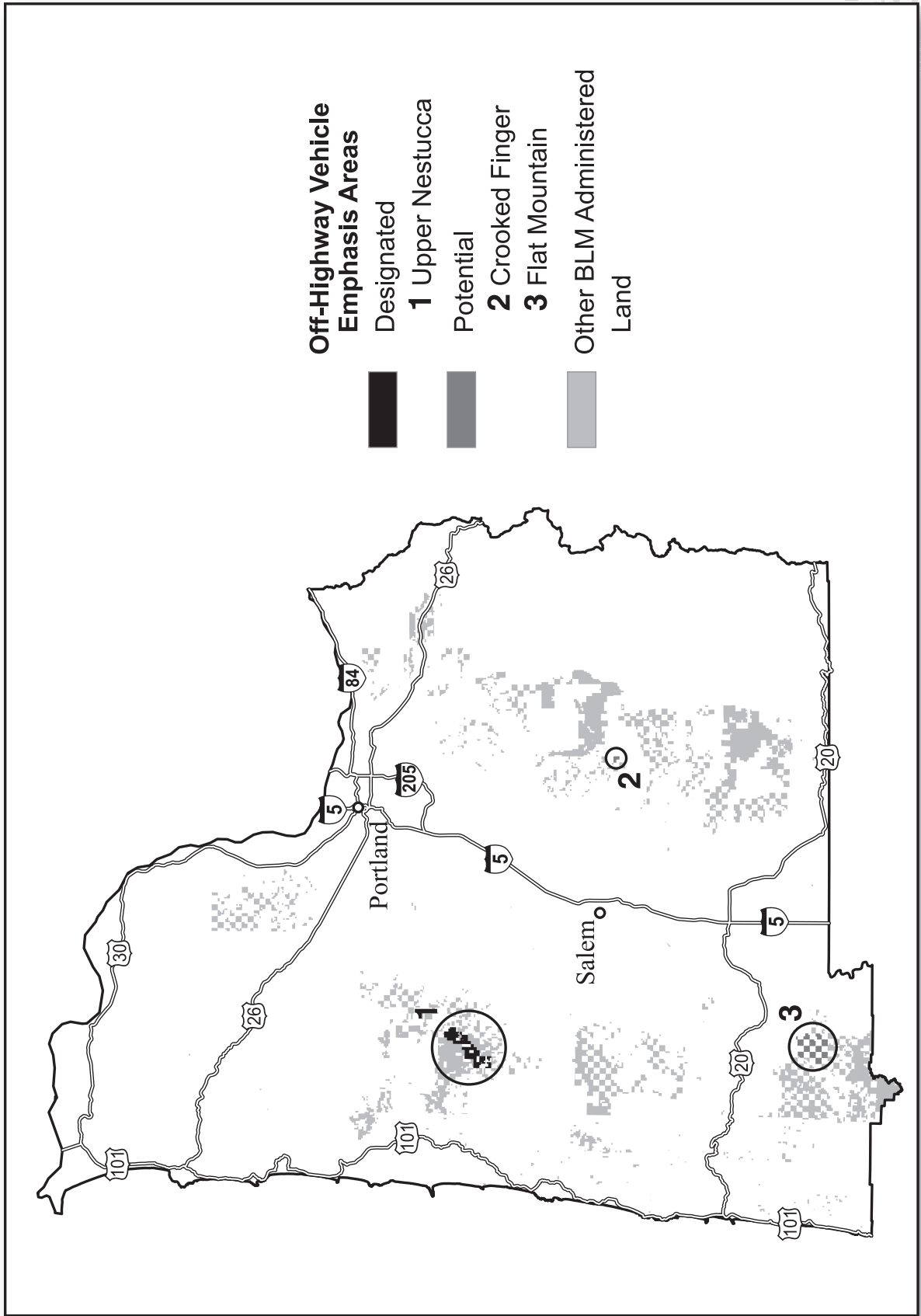




FIGURE 9. OFF-HIGHWAY VEHICLE EMPHASIS AREAS, SALEM DISTRICT



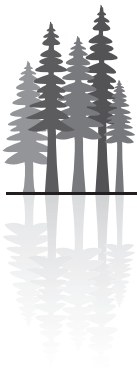


TABLE 27. OREGON STATE SCENIC WATERWAYS, SALEM DISTRICT

State Scenic Waterways ^a	Segment Description	Total Miles
Clackamas River	<i>Recreational segment:</i> Olallie Lake Scenic Area boundary to North Fork Reservoir	54
	<i>Recreational segment:</i> River Mill Dam to Baker's Bridge at Carver	12
Nestucca River	<i>Recreational segment:</i> McGuire Dam to the confluence with Ginger Creek	23
	<i>Scenic segment:</i> Ginger Creek to East Creek near Blaine	
North Fork Clackamas River	<i>Scenic segment:</i> From source to North Fork Reservoir	12
Sandy River	<i>Natural segment:</i> Dodge Park (Bull Run River) to Indian John Island	12.5
	<i>Scenic segment:</i> Indian John Island to Dabney Park	
South Fork Clackamas River	<i>Scenic segment:</i> River mile four to confluence with mainstem of Clackamas River	4
Walker Creek	<i>Recreational segment:</i> Source to confluence with Nestucca River	3

^aThe river segments of the Clackamas, Nestucca, and Sandy Rivers listed on this table have joint state and federal management plans in place

Research

Management Objective

Provide for research to support the management of lands and resources administered by the BLM in western Oregon.

Management Direction

Ongoing research projects will be continued according to current or updated study plans. Management direction on existing study sites that conflict with research objectives will be deferred until the research is complete. New research projects will require study plans that are consistent with the resource management plan or a plan amendment if they are not consistent with the resource management plan.

Soils

Management Objective

Provide for long-term soil productivity.

Management Direction

Design management activities that affect soil productivity (such as prescribed burns, wildfire suppression, silviculture, timber harvesting, biomass removal, and grazing) to provide for long-term soil productivity.

Special Forest Products

Management Objective

Provide for the harvest and collection of special forest products.

Management Direction

Restrict collection amounts and collection activities of special forest products in a manner that limits adverse impacts to other resources.

Rotate areas for the collection of individual special forest products as needed to maintain the availability of special forest products.



Timber

Management objectives and management direction for timber are included under the *Deferred Timber Management Area* and *Timber Management Area* land use allocations.

Visual Resource Management

Visual resource management classes are established as shown in the map packet: on *Map 3A* for the Tillamook Resource Area, *Map 3B* for the Mary's Peak Resource Area, and *Map 3C* for the Cascades Resource Area. Acres of visual resource management classes are shown in *Table 28 (Acres of visual resource management classes, Salem District)*.

Management Objective

Preserve the existing character of the landscape in Class I visual resource management areas.

Management Direction

Designated, suitable, and eligible wild and scenic rivers that are classified as wild, wilderness areas, wilderness study areas, and wilderness instant study areas will be managed as Class I visual resource management areas.

Manage VRM I areas in accordance with natural ecological changes. Some very limited management activities will occur in these areas. The level of change to the characteristic landscape will be very low and will not attract attention. Changes will repeat the basic elements of form, line, color, texture, and scale found in the predominant natural features of the characteristic landscape.

Management Objective

Retain the existing character of the landscape in Class II visual resource management areas.

Management Direction

Designated, suitable, and eligible wild and scenic rivers that are classified as scenic, the Mt. Hood Corridor, the Bull Run Watershed Management Unit, and the Yaquina Outstanding Natural Area will be managed as Class II visual resource management areas.

Public domain lands in the Molalla River visual corridor in Township 6 South, Range 8 East, Willamette Meridian will be managed as VRM Class II. See *Map 3B* for a depiction of the VRM classes in this corridor.

Manage VRM II areas for low levels of change to the characteristic landscape. Management activities will be seen but will not attract the attention of the casual observer. Changes will repeat the basic elements of form, line, color, texture, and scale found in the predominant natural features of the characteristic landscape.

TABLE 28. ACRES OF VISUAL RESOURCE MANAGEMENT (VRM) CLASSES, SALEM DISTRICT

Visual Resource Management (VRM) Classes	Acres
VRM Class I	7,545
VRM Class II	10,345
VRM Class III	14,729
VRM Class IV	369,566



Management Objective

Partially retain the existing character of the landscape in Class III visual resource management areas.

Management Direction

Designated, suitable, and eligible wild and scenic rivers that are classified as recreational will be managed as Class III visual resource management areas.

Manage VRM III areas for moderate levels of change to the characteristic landscape. Management activities will attract attention but will not dominate the view of the casual observer. Changes will repeat the basic elements of form, line, color, texture, and scale found in the predominant natural features of the characteristic landscape.

Management Objective

Allow for major modification of the existing character of the landscape in Class IV visual resource management areas.

Management Direction

All lands that are not designated as Class I, Class II, or Class III will be managed as Class IV visual resource management areas.

Manage VRM IV areas for high levels of change to the characteristic landscape. Management activities will dominate the view and will be the major focus of viewer attention.

Water

Management Objective

Maintain and restore water quality.

Management Direction

Implement road improvement, storm-proofing, maintenance, or decommissioning to reduce chronic sediment inputs to stream channels and waterbodies.

Apply Best Management Practices as needed to maintain or restore water quality. See *Appendix C – Best Management Practices*.

Wilderness Characteristics

Management Objective

Maintain wilderness characteristics on those BLM-administered lands designated in *Table 29 (Lands with wilderness characteristics maintained under special management)*.

Management Direction

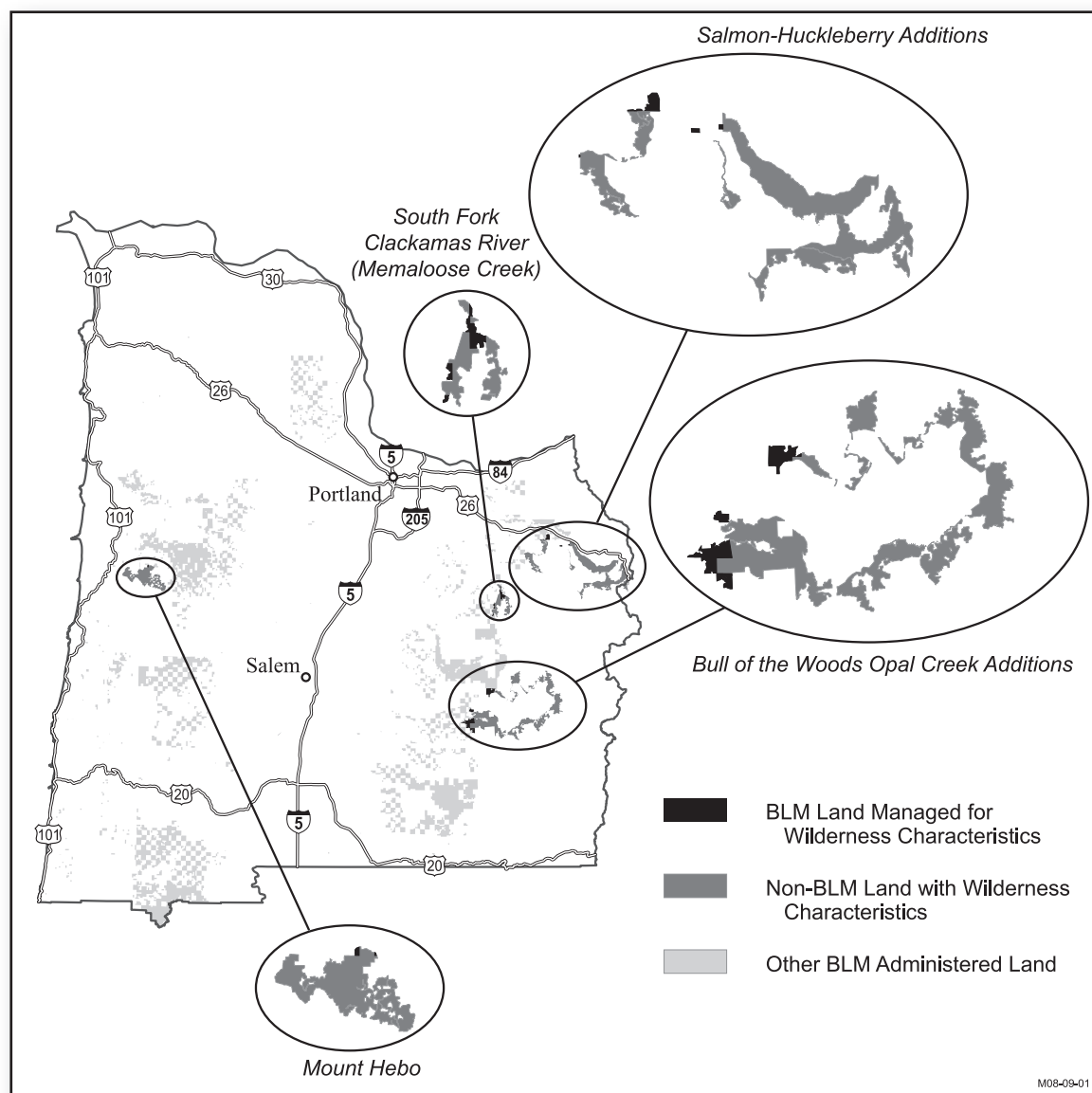
Maintain wilderness characteristics on the BLM-administered lands that are listed in *Table 29 (Lands with wilderness characteristics maintained under special management)* and shown in *Figure 10 (Lands with wilderness characteristics)*, excluding the portions of those areas that occur on O&C lands that are suitable for permanent timber production.



TABLE 29. LANDS WITH WILDERNESS CHARACTERISTICS MAINTAINED UNDER SPECIAL MANAGEMENT, SALEM DISTRICT

BLM-administered Lands	Total (acres)	Identified Wilderness Characteristics		
		Naturalness	Outstanding Opportunities for Solitude	Outstanding Opportunities for Primitive, Unconfined Recreation
Bull of the Woods/Opal Creek Additions	3,203	X	X	X
South Fork Clackamas River	919	X	X	
Salmon Huckleberry Additions	637	X	X	X
Mount Hebo	81	X	X	X
Total Acres	4,840			

FIGURE 10. LANDS WITH WILDERNESS CHARACTERISTICS



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Wildlife

Management Objective

Provide for the conservation of BLM special status species.

Management Direction

Manage species that are listed under the Endangered Species Act consistent with recovery plans and designated critical habitat. Wildlife species with currently approved recovery plans include the marbled murrelet, northern spotted owl, and the Columbia River population of the Columbia white-tailed deer.

Manage BLM special status animal species to maintain or restore populations and habitat consistent with species conservation requirements. Protection measures will include altering the type, timing, extent, and intensity of actions; and other strategies designed to maintain populations of species. Restorative measures will include establishing new populations or augmenting existing populations.

Implement conservation and cooperative plans, strategies, and agreements for special status animal species.

Restrict activities that would disrupt nesting during nesting season where northern spotted owls have been found to be currently nesting.

Prior to project implementation and using approved protocol standards, survey projects that are within the range of the marbled murrelet and that could degrade or remove suitable marbled murrelet habitat. The Pacific Seabird Groups' *Method for Surveying Marbled Murrelets in Forests: A Revised Protocol for Land Management and Research* (Mack et al. 2003) is the currently approved protocol. If surveys indicate that habitat is occupied, all contiguous suitable habitat and recruitment habitat (i.e., stands that are capable of becoming marbled murrelet habitat within 25 years) within a 0.5-mile radius will be protected.

Restrict activities that would disrupt nesting during nesting season where marbled murrelets have been found to be currently nesting.

Bald eagle management areas are established as shown on *Figure 11 (Habitat management areas for bald eagle and elk)*. These areas will be managed to protect bald eagle nest sites and winter roosting areas, and to develop replacement habitat for nesting and roosting. Additional bald eagle management areas will be established at a minimum of 20 acres to protect newly detected nest trees and adjacent roost areas. Management activities will include prescribed burns and other treatments (such as commercial thinning and density management) to reduce fuel loading and to accelerate growth and improve tree vigor. See *Figure 11 (Habitat management areas for bald eagle and elk)*.

Management Objective

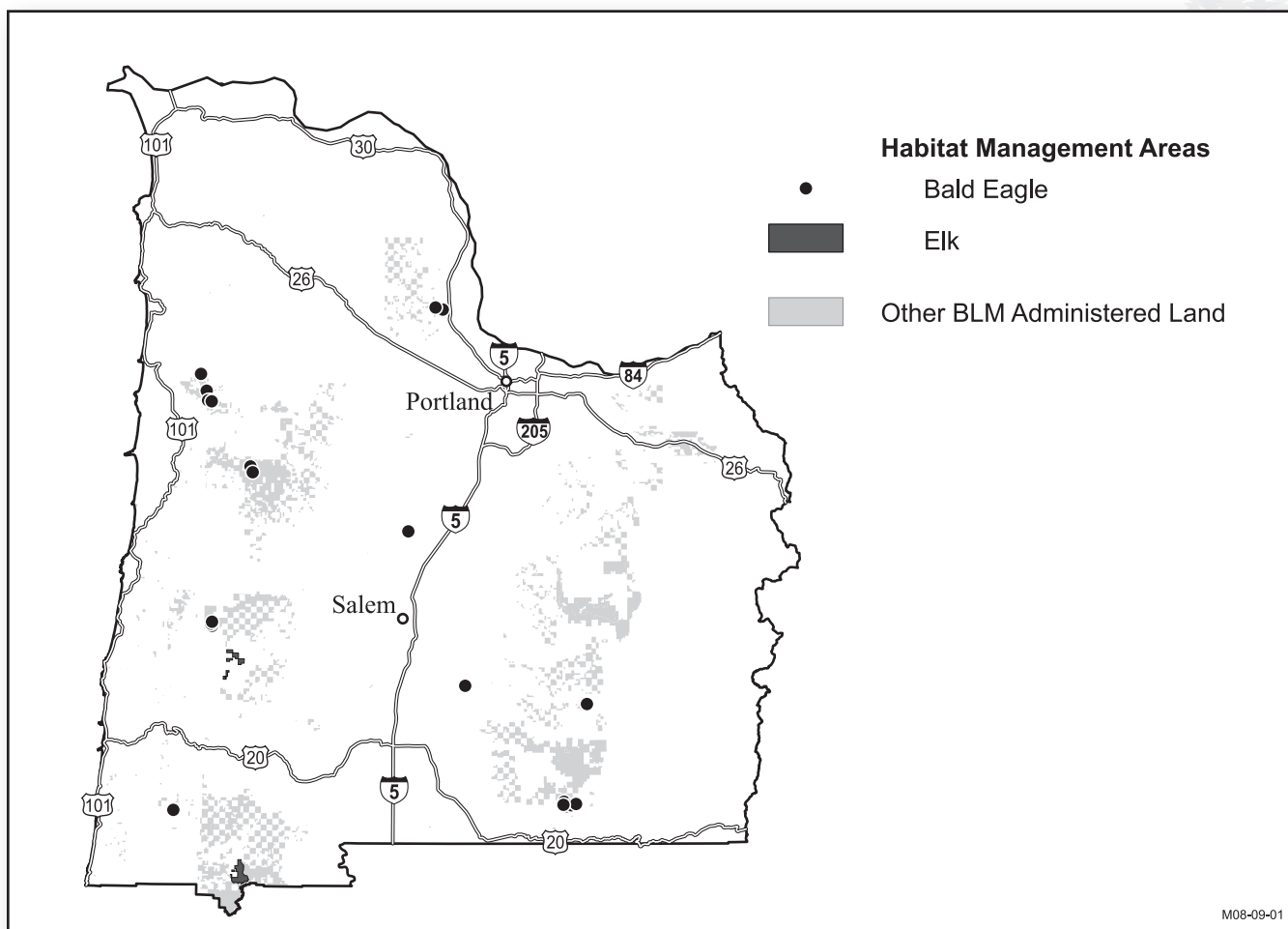
Assist the Oregon Department of Fish and Wildlife in meeting wildlife management goals on public domain lands and on O&C lands where the goals are consistent with the O&C Act.

Management Direction

Restrict motor vehicle use within designated deer and elk winter range between November 1 and April 15. Various techniques, such as gating or signing will be used to impose the restrictions. Administrative use of all roads will occur, as needed, on a year-round basis. See *Figure 11 (Habitat management areas for bald eagle and elk)*.



FIGURE 11. HABITAT MANAGEMENT AREAS FOR BALD EAGLE AND ELK



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Maintain visual barriers from 25 to 50 feet wide, where appropriate, along roads within the designated deer and elk winter range. See *Figure 11 (Habitat management areas for bald eagle and elk)*.

Plant forage species along roadsides, skid trails, and on landings, or create forage plots when forage quality is determined to be a limiting factor in achieving the management goals of the Oregon Department of Fish and Wildlife.

Include forage retention requirements for wildlife when implementing silvicultural treatments or habitat management activities.



Administrative Actions

Administrative actions are routine transactions and activities that are required to serve the public and to provide optimum management of resources. They will be applied in any land use allocation.

Implement administrative actions including, but not limited to the following:

- Recreation site maintenance
- Recreation site improvement
- Competitive and commercial recreation activities
- Lands and realty actions (including the issuance and administration of grants, leases, and permits issued under the Federal Land Policy and Management Act)
- Resolution of trespasses
- Facility maintenance
- Improvements to existing facilities
- Road maintenance
- Issuance and administration of O&C unilateral and reciprocal rights-of-way agreements
- Hazardous and solid waste materials removal
- Law enforcement
- Surveys to determine legal land or mineral estate ownership
- Engineering support to assist in mapping
- Design of projects including any needed surveys
- Sampling (e.g., 3-P fall, buck, and scale sampling method)
- Incidental removal of trees, snags, or logs for safety or operational reasons