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# BLM Facts

Oregon and Washington  
1991



**U.S. Department of the Interior**  
Bureau of Land Management

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## U.S. Department of the Interior

BUREAU OF LAND MANAGEMENT  
OREGON STATE OFFICE  
P.O. Box 2965 (1300 N.E. 44th Street)  
Portland, Oregon 97208



Dear Reader:

Before you turn to the facts portion of this publication, I would like to share with you some of BLM's major achievements of the 1991 fiscal year in Oregon and Washington.

In continuation of a program designed to increase efficiency of public land management and optimize the utilization, conservation, and protection of resources, five land exchanges involving more than 31,000 acres of federal and private lands were consummated in FY 1991.

Interpretation was the focus of BLM's cultural resource management in Oregon and Washington this year, including a Great Basin Tribute "Peoples of the Sage" exhibit at the High Desert Museum, and development of an historic Oregon Trail site at Keeney Pass. In addition, volunteers and students were involved in excavation and restoration of cultural resources ranging from petroglyph sites to Stuart Island's Turnpoint Light Station in the San Juan Islands. BLM personnel conducted more than 50 cultural resource presentations and field tours, reaching more than 13,000 people.

We put the finishing touches on a 15-year wilderness study and are recommending that 49 wilderness study areas totalling 1,278,073 acres be designated as wilderness and 43 areas totalling 1,528,425 acres be released from wilderness consideration.

Management plans in conjunction with the Omnibus Oregon Wild and Scenic Rivers Act, including 15 rivers under the jurisdiction of BLM, are proceeding according to schedule. In fiscal year 1991, the primary river planning effort was directed toward completion of resource assessments and scoping of issues in support of completion by the September 30, 1992 deadline.

Interest in exploration and development of federal geothermal resources continued to increase. At the direction of Congress, BLM held the first ever competitive geothermal lease sale at Newberry Volcano south of Bend, Oregon; all lands received acceptable bids. In cooperation with the Bonneville Power Administration, demonstration-scale geothermal power plants are being constructed near Newberry and near Vale, Oregon.

As part of an interagency effort to save the threatened Warner sucker, a fish species native to the Warner Valley, BLM wildlife biologists used trap nets to capture 80 suckers. The fish were transplanted to holding ponds at the Summer Lake Wildlife Refuge and then were taken to Dexter, New Mexico to help them survive southeastern Oregon's sixth consecutive year of drought.

Law enforcement officers from the BLM and state and local agencies seized 7,452 marijuana plants from 179 gardens on BLM lands in Oregon and Washington in 1991. This crop would have had a street value of \$23.8 million. They also solved two major timber thefts which resulted in 18 felony convictions.

During the past fiscal year, we offered 467.8 million board feet of timber for sale. Timber harvest totalled 592.3 million board feet, and this volume brought in more than \$143 million in receipts. Half of the receipts from resource management of O&C lands, or some \$69.7 million, was shared with the 18 western Oregon counties.

On our forest lands, we planted some 17 million seedlings on 33,881 acres and applied treatments to 128,804 acres of forest plantations.

Also in 1991, we welcomed more than 7,794 volunteers to projects on the public lands. These dedicated people contributed some 235,603 work hours at a value of more than \$3.7 million.

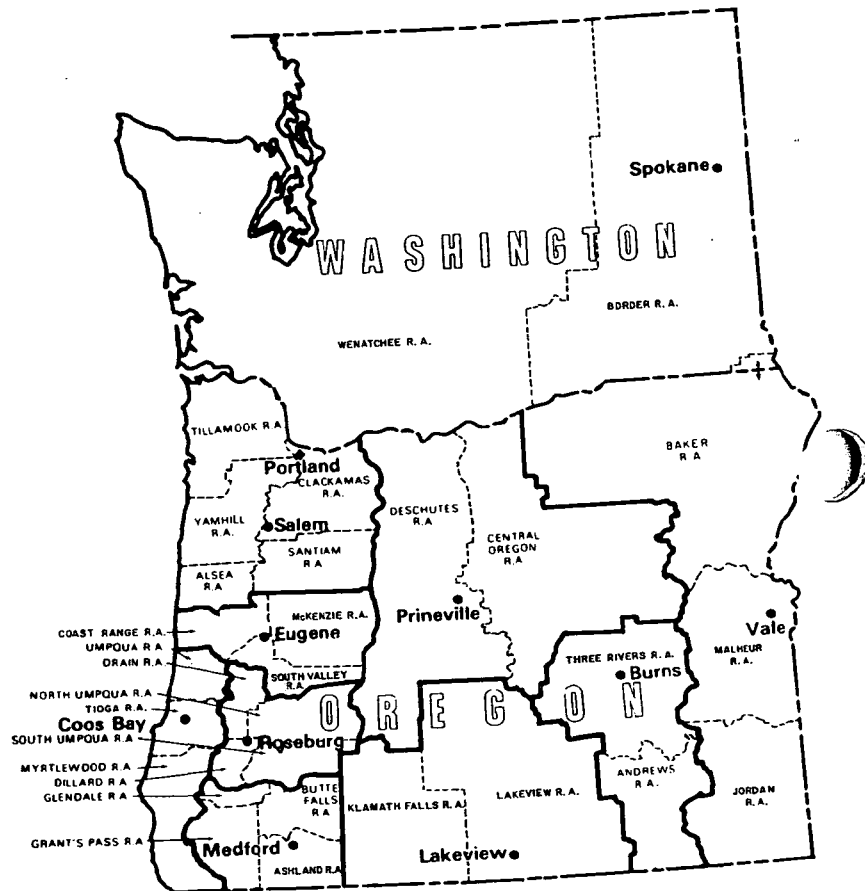
I am proud of these and the other accomplishments which you will find listed in this book. The credit for the work goes to both our employees and to the many citizens who contributed in some way, great or small, to the stewardship of the public lands of Oregon and Washington.

Sincerely,

State Director

BLM-OR-AE-92-03-1792

## BLM Offices in Oregon & Washington



<b>Oregon State Office</b> 1300 N.E. 44th Avenue P.O. Box 2965 Portland, OR 97208	(503) 280-7026	D. Dean Bibles State Director
<b>Burns District</b> HC 74-12533, Hwy. 20 West Hines, OR 97738	(503) 573-5241	Michael T. Green District Manager
<b>Coos Bay District</b> 1300 Airport Lane North Bend, OR 97459	(503) 756-0100	Melvin E. Chase District Manager
<b>Eugene District</b> 2890 Chad Drive P.O. Box 10226 Eugene, OR 97440	(503) 683-6600	Ronald L. Kaufman District Manager
<b>Lakeview District</b> 1000 Ninth Street S. P.O. Box 151 Lakeview, OR 97630	(503) 947-2177	Judy E. Nelson District Manager
<b>Medford District</b> 940 Biddle Road Medford, OR 97504	(503) 770-2200	David A. Jones District Manager
<b>Prineville District</b> 185 East 4th Street P.O. Box 550 Prineville, OR 97754	(503) 447-4115	James L. Hancock District Manager
<b>Roseburg District</b> 777 N.W. Garden Valley Blvd. Roseburg, OR 97470	(503) 672-4491	James A. Moorhouse District Manager
<b>Salem District</b> 1717 Fabry Road, S.E. Salem, OR 97306	(503) 375-5646	Van W. Manning District Manager
<b>Spokane District</b> East 4217 Main Spokane, WA 99202	(509) 353-2570	Joseph K. Buesing District Manager
<b>Vale District</b> 100 Oregon Street Vale, OR 97918	(503) 473-3144	James E. May District Manager

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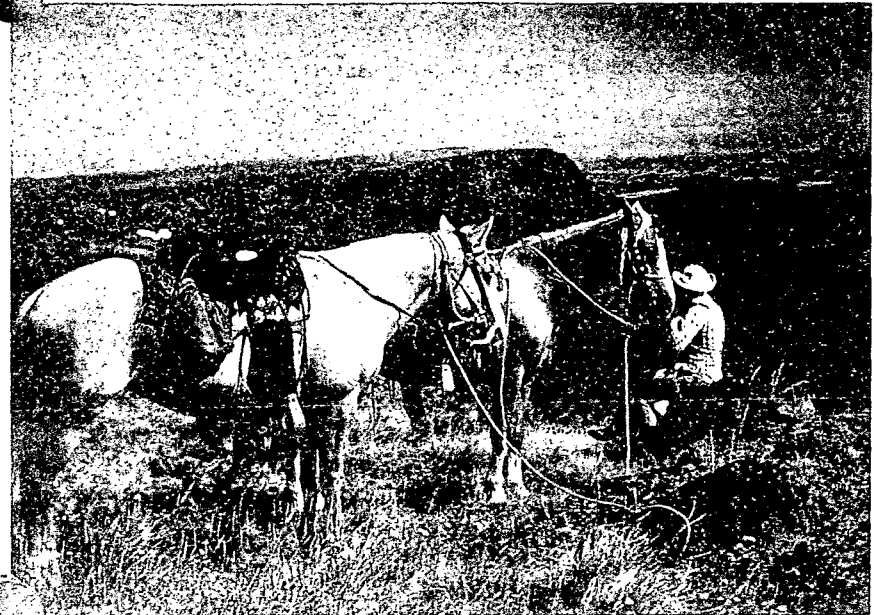
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## Introduction



Horseback riders pause near the rim of Kiger Gorge in BLM's Burns District.

BLM manages about 16 million acres of lands in Oregon and Washington (some 15.7 million acres and 327,284 acres respectively). It has subsurface mineral responsibilities for an additional 23.4 million acres in Oregon and about 16.5 million acres in Washington.

Natural resources managed by BLM on forestland and rangeland include vegetation, minerals, soil, water and air, wildlife habitat and wild horses. Uses administered include timber harvest, livestock foraging, recreational activities, mineral extraction, and realty actions.

BLM policies provide for the development and use of the public lands and their resources under principles of multiple use and sustained yield, while maintaining and enhancing the quality of the environment. In recent years, BLM has given increased emphasis to non-commodity aspects of its land stewardship. Such considerations as archaeology, botany, anadromous fish habitat, wilderness, and other noncommercial values are receiving increased funding and attention.

To support these resource management programs, BLM in Oregon and Washington operates a variety of programs such as lands and mineral records management, cadastral survey, fire management, law enforcement, and construction and maintenance.

BLM programs in Oregon are funded in two separate appropriations from Congress — one for resource management on Revested Oregon and California Railroad lands (RCL) and reconveyed Coos Bay Wagon Road lands, and the other for public domain lands. Activities in Washington are funded entirely with appropriations for public domain lands.

## Introduction

### Employees of BLM (authorized permanent positions)

The Bureau of Land Management employs a comprehensive staff of administrators and natural resource professionals. Among the disciplines represented are archaeology, forestry, botany, wildlife biology, range conservation, geology, mineral engineering, business administration, journalism, outdoor recreation planning, hydrology, accounting, law enforcement, fire sciences, geography, and many others. Recognizing that the work force of the next century will be composed largely of minorities and women, BLM in Oregon and Washington uses such programs as cooperative education to match its work force to the expected future population of America.

Districts	September 30	September 30
	1990	1991
Lakeview	66	66
Burns	64	66
Vale	103	101
Prineville	52	56
Salem	202	212
Eugene	176	164
Roseburg	182	181
Medford	257	261
Coos Bay	181	177
Spokane	36	36
State Office	278	322
<b>Total</b>	<b>1,597</b>	<b>1,642</b>

### Lands Managed by BLM

Lands under the exclusive jurisdiction of each district of the Bureau of Land Management in Oregon and Washington include public domain, reversioned Oregon & California Railroad grant lands, reconveyed Coos Bay Wagon Road grant lands, Land Utilization Project Lands, and certain other categories. Acreages are as of September 30, 1991, and are approximate. Lands managed by BLM are 25 percent of the total acreage of Oregon and less than one percent of Washington.

District	Acre
Lakeview	3,385,977
Burns	3,455,302
Vale	4,962,055
Prineville	1,579,559
Salem	397,181
Eugene	316,571
Roseburg	423,757
Medford	860,972
Coos Bay	332,862
<b>Oregon Total</b>	<b>15,714,236</b>
Spokane	327,284
<b>Total</b>	<b>16,041,520</b>

## Introduction

### Lands Managed by the Bureau of Land Management in Each County in Oregon and Washington (as of September 30, 1991)

Oregon		Washington	
County	Acre	County	Acre
Baker	367,772	Adams	481
Benton	57,649	Asotin	10,422
Clackamas	67,035	Benton	17,268
Clatsop	43	Chelan	21,117
Columbia	11,081	Clallam	83
Coos	168,535	Clark	5
Crook	511,721	Columbia	519
Curry	67,615	Cowlitz	52
Deschutes	506,250	Douglas	38,740
Douglas	654,013	Ferry	11,838
Gilliam	23,876	Franklin	18,778
Grant	171,107	Garfield	433
Harney	4,109,094	Grant	44,362
Hood River	180	Grays Harbor	13
Jackson	431,124	Island	2
Jefferson	26,926	Jefferson	59
Josephine	311,438	King	340
Klamath	289,395	Kitsap	—
Lake	2,584,832	Kititas	16,029
Lane	289,492	Klickitat	16,407
Lincoln	20,077	Lewis	279
Linn	88,236	Lincoln	16,221
Malheur	4,542,478	Mason	3
Marion	20,966	Okanogan	54,788
Morrow	2,347	Pacific	374
Multnomah	4,247	Pend Oreille	1,555
Polk	41,268	Pierce	12
Sherman	45,954	San Juan	282
Tillamook	49,427	Skagit	277
Umatilla	8,922	Skamania	63
Union	6,250	Snohomish	170
Wallowa	18,908	Spokane	—
Wasco	36,115	Stevens	29,365
Washington	12,009	Thurston	1
Wheeler	134,679	Wahkiakum	1
Yamhill	33,175	Walla Walla	630
<b>Total</b>	<b>15,714,236</b>	Whatcom	145
		Whitman	1,294
		Yakima	24,876
		<b>Total</b>	<b>327,284</b>

## Financial

Although in recent years BLM has increased the attention it gives to non-commodity aspects of the lands it manages, the agency has had a traditional role, reaching back to post-Revolutionary War days, of bringing revenues into the federal treasury. Although its results have been long surpassed by the Internal Revenue Service, the BLM continues to pay its own way, and then some.

BLM has been charging users of the public lands for many decades; however, not until 1976, with the passage of the Federal Land Policy Act, was the principle of obtaining fair market value for resources used firmly established. Principal sources of revenue include timber sales, mineral lease fees and grazing fees.

Each year, BLM returns a profit to the federal treasury for the investment made by its shareholders — American taxpayers. During fiscal year 1991 BLM in Oregon and Washington reported receipts of \$166,201,528 against expenses of \$133,779,436.

As always, those receipts were shared with state, county and local governments. A total of \$75,423,794 was distributed in Oregon and Washington. Since federal lands are not taxed, various laws provide for payments to reimburse states and counties for the services they provide that benefit the federal government. Some payments in lieu of taxes are based on acreages of federal land and shares received from resource revenues.

Proportions of collections from resource management that are shared with the states and counties vary from four percent to 90 percent, with the balance usually going to the general fund of the U.S. Treasury. For example, 50 percent of collections from management of the resources of the revested Oregon and California Railroad grant lands in western Oregon goes to the counties where the lands are located. On the other hand, 50 percent of most grazing fee receipts is used for range improvement by BLM, with 12.5 percent available for states to use for range improvements.



The Douglas County Museum in Roseburg was built with funds provided by the O & C lands. (Photo courtesy of the Douglas County Museum)

## Financial

### Collections, Classified by Commodity—Oregon

Commodity	O&C Lands		CBWR <sup>3</sup>	Other Lands <sup>4</sup>	Unrelated to Land Status
	BLM <sup>1</sup>	FS <sup>2</sup>			
<b>FY 1990</b>					
Mineral Leases	\$ —	\$ —	\$ —	\$ —	\$ 734,667 <sup>5</sup>
Mineral (Material) Sales	—	—	—	11,224	—
Land Sales	43,360	—	—	11,250	—
Rent of Land	239,262	—	3,208	43,465	—
Sale of Timber	179,994,018	24,729,746	8,661,357	14,515,721	—
Grazing Fees <sup>6</sup>	26,265	—	9	1,686,416	—
Recreation Fees	—	—	—	25,809	—
Other Resources	—	—	68,760	—	—
Other Fees	677,601	—	67,534	36,913	168,347
Penalties & Forfeitures	—	—	—	—	—
Other Sources	746,977	—	—	—	—
<b>Totals</b>	<b>\$181,727,483</b>	<b>\$24,729,746</b>	<b>\$8,800,868</b>	<b>\$16,330,789</b>	<b>\$903,014</b>
<b>Total O&amp;C</b>					<b>\$206,457,229</b>

**Grand Total BLM, All Sources:**

**\$232,491,900**

<b>FY 1991</b>					
Mineral Leases	\$ —	\$ —	\$ —	\$ 2,501	\$ 559,023
Mineral (Material) Sales	—	—	—	51,411	—
Land Sales	4,900	—	—	190,160	—
Rent of Land	68,254	—	—	85,788	—
Sale of Timber	118,727,939	19,666,753	3,942,764	20,539,601	—
Grazing Fees <sup>6</sup>	19,868	—	10	1,340,606	—
Recreation Fees	—	—	—	71,113	—
Other Resources	—	—	68,987	—	—
Other Fees	586,953	—	74,566	41,781	244,808
Penalties & Forfeitures	—	—	—	—	—
Other Sources	492,765	—	—	—	—
<b>Totals</b>	<b>\$119,900,679</b>	<b>\$19,666,753</b>	<b>\$4,086,327</b>	<b>\$22,322,961</b>	<b>\$803,831</b>
<b>Total O&amp;C</b>					<b>\$139,567,432</b>
<b>Grand Total BLM, All Sources:</b>					<b>\$166,780,551</b>

<sup>1</sup>Includes 2,074,602 acres of revested Oregon and California Railroad grant lands managed by the Bureau of Land Management.

<sup>2</sup>Includes 492,399 acres of revested Oregon and California Railroad grant lands managed by the Forest Service.

<sup>3</sup>Includes 74,547 acres of reconveyed Coos Bay Wagon Road grant lands managed by the Bureau of Land Management.

<sup>4</sup>Principally public domain and acquired lands managed by the Bureau of Land Management, plus other federal lands with respect to mineral leasing.

<sup>5</sup>Collected from all federal mineral estate lands managed by BLM (public lands, other agency lands, and private surface ownership lands).

<sup>6</sup>From grazing permits and leases issued under Sections 3 and 15 of the Taylor Grazing Act.

# Financial

## Collections, Classified by Commodity—Washington

Commodity	FY 1990	
	BLM Lands	Unrelated to Status
Mineral Leases*	\$ —	\$344,548
Mineral Material Sales	—	—
Land Sales	41,702	—
Rent of Land	6,386	—
Sale of Timber	120,513	—
Grazing Sec. 15	46,114	—
Recreation Fees	—	—
Other Resources	—	1,305
Other Fees	8,334	—
Penalties & Forfeitures	—	—
Other Sources	59,422	—
<b>Total</b>	<b>\$282,471</b>	<b>\$345,853</b>
<b>Grand Total, All Sources:</b>		<b>\$628,324</b>

### FY 1991

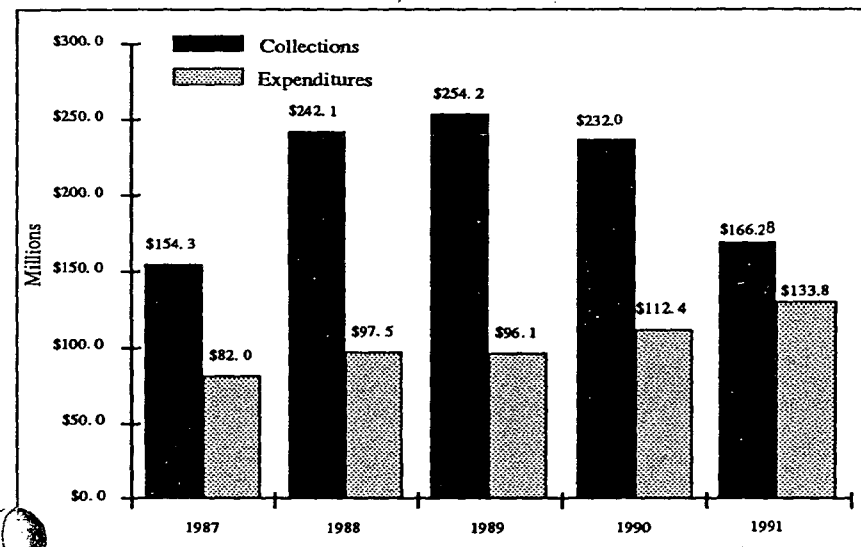
Mineral Leases*	\$17	\$566,426
Mineral Material Sales	—	—
Land Sales	—	—
Rent of Land	6,463	—
Sale of Timber	60,501	—
Grazing Sec. 15	47,637	—
Recreation Fees	—	—
Other Resources	—	2,110
Other Fees	11,146	—
Penalties & Forfeitures	—	—
Other Sources	540	—
<b>Total</b>	<b>\$126,304</b>	<b>\$568,536</b>
<b>Grand Total, All Sources:</b>		<b>\$694,840</b>

\*Collected from all federal mineral estate lands managed by BLM (public lands, other agency lands, and private surface ownership lands).

# Financial

## BLM Expenditures for Resource Management

	FY 1990	FY 1991
Forest Management	\$25,835,003	\$27,300,189
Forest Development	37,217,614	41,427,084
Range Management	4,008,854	4,959,047
Range Improvement	659,912	824,101
Soil and Watershed Conservation	2,123,541	3,410,046
Lands and Minerals	3,682,182	3,995,383
Wildlife Management	3,128,525	5,234,678
Recreation Management	2,505,047	4,083,996
Recreation Construction	1,043,386	6,279,621
Cadastral Survey	729,054	797,283
Resource Protection	3,130,138	650,427
Fire Presuppression	2,472,709	5,588,073
Fire Suppression	6,198,787	2,953,422
Fire & Storm Damage Rehabilitation	399,366	889,695
Forest Pest Control	19,785	7,743
Law Enforcement	1,452,032	1,860,539
Road Construction & Acquisition	920,503	2,535,303
Building Construction	322,689	560,247
Maintenance of Capital Investments	9,212,620	11,502,157
Planning and Data Management	4,498,051	5,928,971
Program Services	2,824,656	2,991,431
<b>Total</b>	<b>\$112,384,504</b>	<b>\$133,779,436</b>



Oregon and Washington Collections and Expenditures



# Financial

## Payments to Counties and State, FY 1990 - Oregon

Counties	Resource Management O&C Lands	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments In Lieu of Taxes	Totals
Baker	\$ —	\$ 508	\$ —	\$101,799	\$102,307
Benton	5,724,284	—	—	2,084	5,724,284
Clackamas	11,305,971	23,855	—	51,470	11,381,296
Clatsop	—	105	—	315	420
Columbia	4,196,450	4,025	—	—	4,200,475
Coos	12,739,521 <sup>2</sup>	1,202	18	6,967	12,747,708
Crook	—	76,312	829	93,867	171,008
Curry	7,435,458	—	—	59,048	7,494,506
Deschutes	—	60,541	1,080	143,043	204,664
Douglas	51,138,049 <sup>3</sup>	2,340	111	94,196	51,234,696
Gilliam	—	9,905	6,199	7,899	24,003
Grant	—	16,218	31,580	174,733	222,531
Hamey	—	13,550	3,287	328,000	344,837
Hood River	—	—	—	20,962	20,962
Jackson	31,921,543	7,262	5,298	46,719	31,980,822
Jefferson	—	36,482	2,511	29,234	68,227
Josephine	24,608,311	—	58	34,942	24,643,311
Klamath	4,766,842	—	8,886	214,486	4,990,214
Lake	—	—	203	328,000	328,203
Lane	31,106,698	250	11	137,274	31,244,233
Lincoln	733,360	—	26	18,340	751,726
Linn	5,377,975	6,497	—	48,332	5,432,804
Malheur	—	5,669	—	630,910	637,196
Marion	2,974,183	9,540	—	20,478	3,004,201
Morrow	—	12,029	402	15,431	27,862
Multnomah	2,220,452	—	—	7,227	2,227,679
Polk	4,400,162	—	—	—	4,400,162
Sherman	—	5,744	4,419	27,078	37,241
Tillamook	1,140,783	20	—	9,398	1,150,201
Umatilla	—	9,037	1,896	41,629	52,562
Union	—	2,832	488	62,313	65,654
Wallowa	—	—	3,137	116,313	119,450
Wasco	—	36,057	7,870	20,834	64,761
Washington	1,283,380	340	—	291	1,284,011
Wheeler	—	30,496	9,580	28,886	68,962
Yamhill	1,466,721	—	—	2,564	1,469,285
<b>Total</b>	<b>\$204,540,143<sup>4,5</sup></b>	<b>\$370,816</b>	<b>\$87,889<sup>6</sup></b>	<b>\$2,925,062</b>	<b>\$207,923,910</b>

Payment to State of Oregon from sale of public domain timber, materials, and lands, totaling \$ 1,138,308 and Section 3 grazing permits totaling \$386,266 ..... \$1,524,574<sup>4,6</sup>  
**Total payments to counties and state, FY 1990 ..... \$209,448,484**

Distribution of proceeds to Oregon counties and to the State of Oregon derived from resource management on lands managed by the Bureau of Land Management in Oregon. Revenues are from sales of timber, grazing fees, mineral fees, rental and sales of land, P.I.L.T., and from other sources.

<sup>1</sup> Does not include minerals proceeds from O&C or CBWR lands, but does include proceeds from rental and bonus payments on federally held leases  
<sup>2</sup> Includes \$720,561 of CBWR.  
<sup>3</sup> Includes \$108,397 of CBWR.  
<sup>4</sup> Amount actually paid during the fiscal year, 10/1/89 through 9/30/90. See table on page 5 for total O&C receipts.  
<sup>5</sup> Includes payments for 10 months of FY 1990 lands and materials sales as well as 12 months of 1989 payments. Hereafter, the first 11 months of payments for a given fiscal year will be paid in the same fiscal year. The 12th month payment will be made in the following fiscal year.  
<sup>6</sup> Includes 11 months of grazing fees paid at the end of FY 1990 rather than at the beginning of the next Fiscal Year as in the past.

# Financial

## Payments to Counties and State, FY 1991 - Oregon

Counties	Resource Management O&C Lands	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments In Lieu of Taxes	Totals
Baker	\$ —	\$ —	\$ —	\$101,799	\$101,799
Benton	1,941,415	—	—	2,086	1,943,501
Clackamas	3,834,466	3,667	—	51,485	3,889,618
Clatsop	—	—	—	315	315
Columbia	1,423,243	1,078	—	—	1,424,321
Coos	4,529,782 <sup>2</sup>	1,202	16	6,967	4,537,967
Crook	—	63,762	505	93,867	158,134
Curry	2,521,766	—	4	59,048	2,580,818
Deschutes	—	39,030	660	143,050	182,740
Douglas	17,446,556 <sup>3</sup>	320	41	94,065	17,540,982
Gilliam	—	30	3,751	5,381	9,162
Grant	—	—	16,399	174,733	191,132
Hamey	—	23,924	1,687	308,000	333,611
Hood River	—	—	—	20,962	20,962
Jackson	10,826,323	—	1,297	46,717	10,874,337
Jefferson	—	89,616	1,361	29,310	120,287
Josephine	8,346,010	—	23	34,938	8,380,971
Klamath	1,616,694	—	4,844	214,442	1,835,980
Lake	—	—	90	308,000	308,090
Lane	10,549,965	250	—	138,270	10,688,485
Lincoln	248,722	—	14	18,340	267,076
Linn	1,823,963	6,565	—	48,332	1,878,860
Malheur	—	5,429	—	592,256	597,685
Marion	1,008,707	5,700	—	20,478	1,034,885
Morrow	—	—	158	15,431	15,589
Multnomah	753,075	—	—	7,237	760,312
Polk	1,492,333	—	—	—	1,492,333
Sherman	—	—	2,273	27,259	29,532
Tillamook	386,901	—	—	9,398	396,299
Umatilla	—	—	712	41,668	42,380
Union	—	—	262	62,313	62,575
Wallowa	—	—	1,579	116,313	117,892
Wasco	—	23,673	3,965	20,837	48,475
Washington	435,264	—	—	291	435,555
Wheeler	—	15,265	4,694	29,022	48,981
Yamhill	497,444	—	—	2,587	500,031
<b>Total</b>	<b>\$69,682,629<sup>4,5</sup></b>	<b>\$279,511</b>	<b>\$44,335</b>	<b>\$2,845,197</b>	<b>\$72,851,672</b>

Payment to State of Oregon from sale of public domain timber, materials, and lands, totaling \$707,174 and Section 3 grazing permits totaling \$152,630 ..... \$859,804  
**Total payments to counties and state, FY 1991 ..... \$73,711,476**

Distribution of proceeds to Oregon counties and to the State of Oregon derived from resource management on lands managed by the Bureau of Land Management and the Forest Service in Oregon. Revenues are from sales of timber, grazing fees, mineral fees, rental and sales of land, P.I.L.T., and from other sources.

<sup>1</sup> Does not include minerals proceeds from O&C or CBWR lands, but does include proceeds from rental and bonus payments on federally held leases  
<sup>2</sup> Includes \$453,503 of CBWR.  
<sup>3</sup> Includes \$139,640 of CBWR.  
<sup>4</sup> Amount actually paid during the fiscal year, 10/1/90 through 9/30/91. See table on page 5 for total O&C receipts.  
<sup>5</sup> The O & C counties were guaranteed \$9.6 million for the 1991 fiscal year by public law 101-512, November 5, 1990. The law that 90 percent of the average annual payment made to these counties of their share of the O & C receipts collected in fiscal 1988 through 1990 is guaranteed to the counties in 1991 so long as that amount does not exceed the total amount of receipts collected. The \$26.9 million "safety net" payment was actually paid during the 1992 fiscal year and therefore is not reflected here.

# Financial

## Payments to Counties and State, FY 1990 - Washington

Counties	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Adams	\$ 300	—	\$3,017	\$3,317
Asotin	20	1,434	6,571	8,025
Benton	421	426	30,492	31,339
Chelan	—	1,011	142,980	143,991
Clallam	4,606	—	70,490	75,096
Clark	—	—	385	385
Columbia	—	—	16,452	16,452
Cowlitz	—	—	3,242	3,242
Douglas	4,080	5,893	30,735	40,708
Ferry	—	2,297	49,951	52,248
Franklin	2,220	1,681	21,816	25,717
Garfield	80	18	10,216	10,314
Grant	6,202	6,464	103,928	116,594
Grays Harbor	—	—	28,821	28,821
Island	—	—	32,068	32,068
Jefferson	—	—	70,465	70,465
King	—	—	34,507	34,507
Kitsap	603	—	—	603
Kititas	15,507	3,029	43,977	62,513
Klickitat	623	2,898	4,113	7,634
Lewis	107,615	—	47,527	155,142
Lincoln	—	1,257	16,851	18,108
Mason	—	—	16,226	16,226
Okanogan	295	11,532	156,064	167,891
Pacific	—	—	2,516	2,516
Pend Oreille	—	—	49,302	49,302
Pierce	5,398	—	33,645	39,043
San Juan	—	—	1,700	1,700
Skagit	—	—	53,091	53,091
Skamania	1,149	—	83,008	84,157
Snohomish	—	—	63,158	63,158
Spokane	—	—	285	285
Stevens	—	1,273	24,574	25,847
Thurston	—	—	—	—
Wahkiakum	—	—	—	—
Walla Walla	100	—	12,589	12,689
Whatcom	—	—	84,153	84,153
Whitman	—	131	7,409	7,540
Yakima	5,418	5,192	53,167	63,777
<b>Total</b>	<b>\$154,637</b>	<b>\$44,536*</b>	<b>\$1,409,393</b>	<b>\$1,608,566</b>

Payment to State of Washington from sale of public domain timber, materials, lands, etc. .... \$14,421\*  
**Total payments to counties and state FY 1990. .... \$1,622,987**

Distribution of proceeds to Washington counties and to the State of Washington derived from resource management on lands managed by the Bureau of Land Management in Washington. Revenues are from sales of timber, grazing fees, mineral fees, rental and sales of land, P.I.L.T., and from other sources

\* Includes FY 1990 payments for 10 months of lands and materials sales and 11 months of grazing fees paid at the end of FY 1990 rather than at the beginning of the next Fiscal Year as in the past.

# Financial

## Payments to Counties and State, FY 1991 - Washington

Counties	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Adams	\$300	\$ —	\$3,017	\$3,317
Asotin	20	743	6,564	7,327
Benton	80	236	30,340	30,656
Chelan	—	572	142,660	143,232
Clallam	—	—	63,724	63,724
Clark	—	—	387	387
Columbia	—	—	16,451	16,451
Cowlitz	—	—	3,242	3,242
Douglas	—	3,285	30,626	33,911
Ferry	—	1,296	49,951	51,247
Franklin	892	873	22,491	24,256
Garfield	80	5	10,118	10,203
Grant	2,896	2,283	108,873	114,052
Grays Harbor	—	—	27,267	27,267
Island	—	—	32,132	32,132
Jefferson	—	—	70,680	70,680
King	—	—	34,688	34,688
Kitsap	—	—	—	—
Kititas	3,722	1,658	43,980	49,360
Klickitat	—	1,577	4,144	5,721
Lewis	263,992	—	47,533	311,525
Lincoln	—	1,662	17,343	19,005
Mason	—	—	16,487	16,487
Okanogan	295	6,327	156,068	162,690
Pacific	—	—	2,516	2,516
Pend Oreille	—	—	49,306	49,306
Pierce	5,399	—	33,108	38,507
San Juan	—	—	1,700	1,700
Skagit	—	—	53,015	53,015
Skamania	2,106	—	83,172	85,278
Snohomish	—	—	63,159	63,159
Spokane	—	—	285	285
Stevens	—	678	24,574	25,252
Thurston	—	—	—	—
Wahkiakum	—	—	—	—
Walla Walla	100	—	8,363	8,463
Whatcom	—	—	84,077	84,077
Whitman	—	66	7,402	7,468
Yakima	3,332	2,450	53,168	58,950
<b>Total</b>	<b>\$283,214</b>	<b>\$23,711</b>	<b>\$1,402,611</b>	<b>\$1,709,536</b>

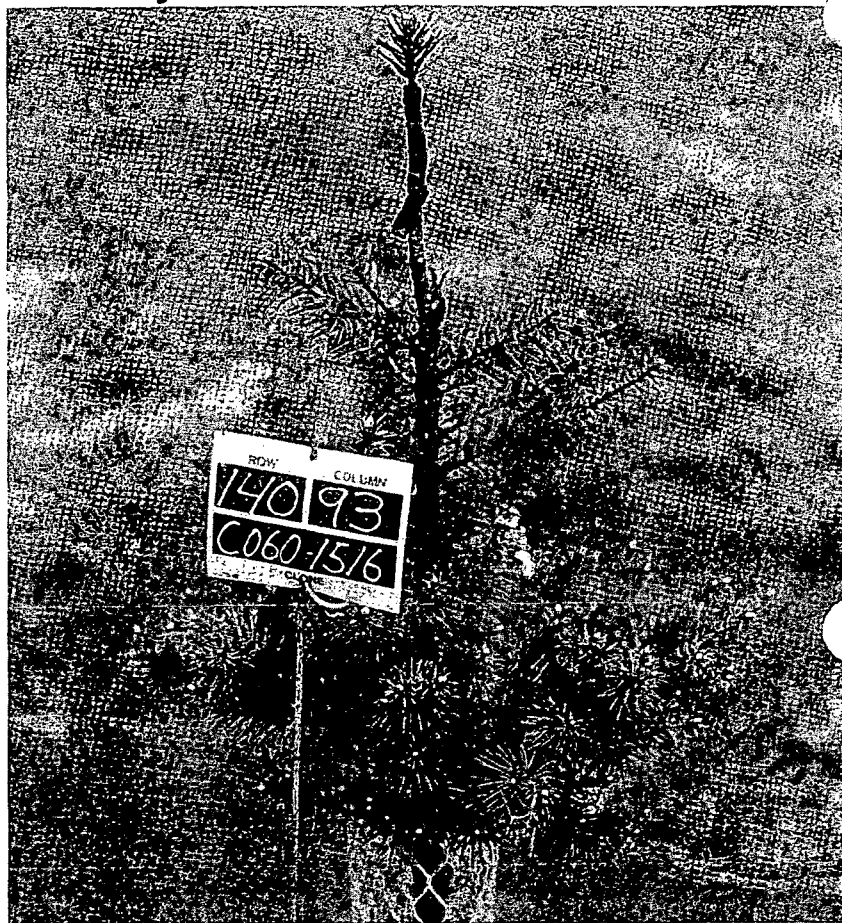
Payment to State of Washington from sale of public domain timber, materials, lands, etc. .... \$2,782

**Total payments to counties and state FY 1991. .... \$1,712,318**

Distribution of proceeds to Washington counties and to the State of Washington derived from resource management on lands managed by the Bureau of Land Management in Washington. Revenues are from sales of timber, grazing fees, mineral fees, rental and sales of land, P.I.L.T., and from other sources.

<sup>1</sup> Includes proceeds from rental and bonus payments on federally held leases.

## Forestry



Grafted root stock is used in the development of genetically superior trees at the Travis Tyrrell Seed Orchard in BLM's Eugene District.

BLM forest lands in Oregon and Washington are administered under two management programs. One is for the O&C lands in western Oregon; the other for public domain lands which are mostly in eastern Oregon and Washington.

The objectives of the O&C program are to manage for a high level and sustained yield output of wood products needed to contribute to the economic stability of local communities and industries, and to provide for other land uses, such as wildlife habitat and recreation, including hunting and fishing.

On public domain lands, the Federal Land Policy and Management Act of 1976 requires public lands and resources to be managed under the principles of multiple use and sustained yield, without impairment of the productivity of the land and the quality of the environment, and with recognition of the Nation's need for timber from the public lands.

## Forestry

### BLM-Managed Forest Land in Oregon and Washington<sup>1</sup>

District	Total Forest Acres	Withdrawn Forest Land Acres <sup>2</sup>	Commercial Forest Land Acres <sup>1</sup>	Allowable Sale Quantity MM bd. ft. <sup>3</sup>
Lakeview	27,900 <sup>4</sup>	12,300	27,900	1.4
Vale	29,300	700	26,000	2.4
Prineville	118,500	9,600	118,500	8.8
Burns	—	—	—	—
Salem	375,800	63,900	360,000	239.0
Eugene	308,200	31,200	307,900	223.0
Roseburg	404,300	34,500 <sup>5</sup>	402,000	247.0
Medford	837,400 <sup>4</sup>	235,500	716,100	213.0
Coos Bay	310,400	58,600	306,300	254.0
<b>Oregon Total</b>	<b>2,411,800</b>	<b>446,300</b>	<b>2,264,700</b>	<b>1,188.6</b>
Spokane	54,800	5,900	52,300	3.3
<b>Total</b>	<b>2,466,600</b>	<b>452,200</b>	<b>2,317,000</b>	<b>1,191.9</b>

<sup>1</sup> Difference between total forest acres and commercial forest land is non-commercial forest. Land withdrawn from planned timber harvesting for other forest uses such as recreation sites, streamside buffers, scenic zones, and TPCC, but included in commercial forest land totals.

<sup>2</sup> Million board feet. Set during 1980's decadal planning. 1990's planning now under way.

<sup>3</sup> New acreage classifications for Lakeview and Medford available when new plans approved.

<sup>4</sup> This number was incorrectly listed as 343,500 in the 1990 issue of BLM Facts.

### Oregon and Washington Commercial Forest Acres With No Planned Timber Harvest

Reservation	Acres	Allowable Sale Quantity Impact MM bd. ft.
TPCC (fragile sites, etc.)	320,386	215.5
Bald Eagles	3,200	2.0
Other Wildlife	5,350	.5
ACEC, RNA, ONA (cultural & botanical sites)	10,571	5.3
Riparian Zones	59,440	41.1
Recreation Management	3,097	2.1
Older Forest Retention Areas (raptor habitat, etc.)	46,300	33.0
<b>Totals</b>	<b>448,344</b>	<b>299.5</b>

## Forestry

### Timber Sales

Volumes and sale prices of timber sold at auction by BLM including negotiated sales and modifications to existing contracts.

District	FY 1990		FY 1991	
	Volume MM bd. ft.*	Value	Volume MM bd. ft.*	Value
Lakeview	31.8	\$7,333,306	14.8	\$3,761,679
Burns	—	—	—	—
Vale	5.7	436,461	—	—
Prineville	16.5	1,287,036	29.2	2,495,454
Salem	214.0	71,462,942	124.7	44,472,199
Eugene	188.0	64,153,413	101.0	32,044,063
Roseburg	259.5	82,106,289	80.6	26,074,895
Medford	222.2	70,525,835	42.0	10,537,767
Coos Bay	224.1	79,255,416	69.6	18,552,413
<b>Oregon Total</b>	<b>1,162.7</b>	<b>\$376,560,698</b>	<b>461.9</b>	<b>\$137,938,470</b>
Spokane	.02	1,800	5.9	1,069,325
<b>Total</b>	<b>1,162.72</b>	<b>\$376,562,498</b>	<b>467.8</b>	<b>\$139,007,795</b>

\* Million board feet



BLM Resource Manager Ron Anderson measures the circumference of Oregon's 338-foot tall champion coast Douglas fir in the Coos Bay District.

## Timber Harvests

### 1991 Harvested Volume (MM bd. ft.)

Western Oregon		Eastern Oregon and Washington	
Lakeview	11	Lakeview *	—
Salem	144	Burns	—
Eugene	92	Vale	2.8
Roseburg	69	Prineville	45.1
Medford	96	Spokane	0.4
Coos Bay	132		
<b>Total</b>	<b>544</b>	<b>Total</b>	<b>48.3</b>

\* Included in western Oregon volume.

### Harvest Acreage by Method

District	FY 1990		FY 1991	
	Clearcut Acres	Partial cut Acres	Clearcut Acres	Partial cut Acres
Lakeview	97	1,441	174	580
Burns	—	—	—	—
Vale	38	765	—	530
Prineville	4,416	—	—	7,343
Salem	2,862	508	2,131	275
Eugene	2,711	805	1,453	549
Roseburg	4,591	700	1,474	240
Medford	3,450	5,181	2,482	3,039
Coos Bay	3,565	202	2,482	57
<b>Oregon Total</b>	<b>21,730</b>	<b>9,602</b>	<b>10,196</b>	<b>12,613</b>
Spokane	101	239	—	80
<b>Total</b>	<b>21,831</b>	<b>9,841</b>	<b>10,196</b>	<b>12,693</b>

# Forestry

## Timber Trespasses

District	FY 1990		FY 1991	
	No. of Cases	Collections	No. of Cases	Collections
Lakeview	1	\$8,970	—	\$ —
Burns	—	—	—	—
Vale	1	740	—	—
Prineville	1	1,800	4	5,260
Salem	2	1,693	4	64,123
Eugene	9	28,626	10	49,666
Roseburg	6	12,328	7	16,246
Medford	27	58,119	17	22,049
Coos Bay	1	50	3	31,414
<b>Oregon Total</b>	<b>48</b>	<b>\$112,326</b>	<b>45</b>	<b>\$ 188,758</b>
Spokane	—	—	—	—
<b>Total</b>	<b>48</b>	<b>\$112,326</b>	<b>45</b>	<b>\$ 188,758</b>

## Minor Forest Products Sales

Item and Unit	FY 1990		FY 1991	
	Quantity	Value	Quantity	Value
Fuelwood, board feet	11,009,894	\$100,004	9,391,128	\$ 97,031
Boils and shakes, board feet	538,705	24,356	313,290	30,350
Small poles, board feet	22,114	361	45,682	428
Large poles, board feet	6,399	34	324	31
Corral poles, board feet	51,557	1,384	30,841	801
Posts, board feet	43,869	1,239	45,241	2,177
Split rails, board feet	2,196	192	4,980	22
Mine timbers, board feet	—	—	—	—
Pulpwood, board feet	436,062	13,055	2,578,150	49,629
Cascara bark, pounds	2,420	118	12,333	980
Boughs, pounds	472,570	21,556	496,308	25,868
Ferns, bunches	27,130	1,550	35,368	1,692
Cones, bushels	2,200	110	697	176
Huckleberry brush, bunches	20,763	1,123	31,843	1,628
Christmas trees, each	10,870	22,086	2,124	4,218
Wildings, each	12,535	856	6,428	2,361
Moss, pounds	16,714	746	32,324	1,420
Arrow stock, board feet	116,665	8,349	85,725	6,443
Greens, bunches	80,675	3,721	76,827	8,443
Beachgrass, bunches	5,704	295	4,250	210
Mushrooms, pounds	2,250	45	1,446	250
Burls, pounds	21,848	1,587	46,908	4,640
Yew bark, pounds	10,368	1,555	64,391	13,216
<b>Total</b>		<b>\$204,322</b>		<b>\$ 252,014</b>

# Forestry

## Forest Development - I

Reforestation work in site preparation, planting, and seeding on commercial forest land is tabulated here. Natural seeding is not included.

District	1990	
	Site Preparation Acres	Planting Acres
Lakeview	365	569
Burns	—	—
Vale	284	223
Prineville	18	—
Salem	2,843	5,901
Eugene	3,215	5,189
Roseburg	4,153	9,388
Medford	8,312	12,092
Coos Bay	2,996	5,766
<b>Oregon Total</b>	<b>22,186</b>	<b>39,128</b>
Spokane	—	15
<b>Total</b>	<b>22,186</b>	<b>39,143</b>

District	1991	
	Site Preparation Acres	Planting Acres
Lakeview	2,225*	866
Burns	—	—
Vale	—	—
Prineville	—	20
Salem	2,400	3,989
Eugene	2,067	3,859
Roseburg	2,640	8,431
Medford	5,394	12,560
Coos Bay	3,020	4,156
<b>Oregon Total</b>	<b>17,746</b>	<b>33,881</b>
Spokane	—	—
<b>Total</b>	<b>17,746</b>	<b>33,881</b>

\* Includes 1,626 acres of underburning.

# Forestry

## Forest Development - II

Plantation maintenance acres include both reforestation treatments made to protect unestablished stands from animals, insects, and disease and to release unestablished stands from competing vegetation.

FY 1990

District	Plantation Maintenance Acres
----------	------------------------------

Lakeview	2,762
Burns	—
Vale	—
Prineville	—
Salem	6,942
Eugene	8,808
Roseburg	5,347
Medford	20,544
Coos Bay	13,577

Oregon Total 57,980

Spokane —

Total 57,980

FY 1991

District	Plantation Maintenance Acres
----------	------------------------------

Lakeview	1,705
Burns	—
Vale	—
Prineville	—
Salem	6,471
Eugene	9,172
Roseburg	6,482
Medford	17,850
Coos Bay	9,613

Oregon Total 51,293

Spokane —

Total 51,293

# Forestry

## Forest Development - III

Fertilization and thinning accomplishments on commercial forest land are tabulated below. The "Improvement" column reports acres planted with genetically improved seedlings. "Tree Improvement" acres are included in the "Forest Development - I" Table.

FY 1990

District	Fertilization Acres	Improvement Acres	Thinning	
			Precommercial Acres	Commercial Acres*

Lakeview	—	—	660	—
Burns	—	—	—	—
Vale	—	—	—	—
Prineville	—	—	—	—
Salem	—	451	3,460	9
Eugene	—	1,887	8,033	792
Roseburg	5,000	50	6,025	72
Medford	—	922	1,966	125
Coos Bay	16,818	2,667	1,708	—

Oregon Total 21,818 5,977 21,852 998

Spokane — — — —

Total 21,818 5,977 21,852 998

\* Thinning acres harvested.

FY 1991

District	Fertilization Acres	Improvement Acres	Thinning	
			Precommercial Acres	Commercial Acres*

Lakeview	3,000	—	800	27
Burns	—	—	—	—
Vale	—	—	—	—
Prineville	—	—	82	—
Salem	2,963	—	2,667	10
Eugene	21,640	1,378	6,692	538
Roseburg	3,012	1,055	5,292	83
Medford	4,359	1,055	3,055	99
Coos Bay	19,935	789	3,774	—

Oregon Total 54,909 4,277 22,362 757

Spokane — — 240 —

Total 54,909 4,277 22,602 757

\* Thinning acres harvested.

## Wild Horse and Burro Program

Comprehensive herd management area plans have been developed for wild horse management areas. Such plans describe range conditions, consider present and planned population levels, specify how water and forage are to be made available, and determine what measures will be taken to provide for other uses.

The goal is to maintain wild horse population levels in balance with the carrying capacity of the land and with habitat requirements for wildlife and livestock. This protects the environment for all uses. Efforts are now being aimed at herd improvement activities and getting herd numbers down to prescribed management levels.

### Wild Horse Management

	Horses Removed From the Range 10/1/90 to 9/30/91	Horses on the Range 9/30/91	Levels to be Maintained
Lakeview	—	479	185 - 410
Burns	271	582	560 - 1,030
Vale	324	944	580 - 1,150
Prineville	—	176	50 - 80
Forest Service	—	—	—
<b>Totals</b>	<b>595</b>	<b>2,181</b>	<b>1,375 - 2,670</b>

### Summary FY 1991

In corral 10/1/90	59 horses, 2 burros
Gathered	595 horses
Born in corral	17 horses
Shipped into Oregon (gathered in other states)	1 burro
Adopted	265 horses
Repossessed	6 horses
Died or destroyed	30 horses
Returned to range	91 horses
To holding centers	214 horses
In corral 9/30/90	77 horses, 2 burros

## Rangelands



A herd of sheep graze on public lands in BLM's Vale District.

BLM in Oregon and Washington manages land grazed by livestock under permits and leases. Ranchers pay grazing fees for the privilege of using BLM rangelands. Rangeland uses are based on resource management plans which consider all resource values and establish priorities. The plans help identify the grazing allotments where investments in management will result in the greatest returns.

Various types of range improvements facilitate livestock management, increase the productivity of the land, and protect environmental quality. These include developing water sources for livestock and wildlife; constructing fences, cattle guards, and roads; rotating the use of pastures to promote healthy vegetation growth; controlling brush; and revegetating burned or depleted areas.

During FY 1991, eastern and southern Oregon endured the region's fifth consecutive year of drought. To avoid damaging eastern Oregon watersheds, range plants, wildlife, and fish, BLM and grazing permittees cooperated to limit grazing on some allotments by as much as 30 to 50 percent. Resting the land allowed range plants to rebuild root reserves with the help of late spring rains. This increased plant growth will improve the soil's ability to retain moisture when the drought ends.

# Rangelands

## Livestock Grazing

Grazing use is tabulated for fiscal year 1991. Grazing fees for all BLM lands were \$1.81 per AUM from October 1, 1990 through February 28, 1991 and \$1.97 per AUM from March 1, 1991 through September 30, 1991.

District	1990				1991			
	Permits	AUMs <sup>1</sup>	Leases	AUMs	Permits	AUMs	Leases	AUMs
Lakeview	89	171,280	77	6,944	131	88,547	65	6,086
Burns	168	228,644	7	3,300	229	163,145	7	3,240
Vale	377	457,644	106	4,050	415	362,206	97	3,918
Prineville	115	76,689	362	34,333	127	71,958	320	32,630
Eugene	—	—	7	402	—	—	2	30
Roseburg	—	—	16	954	—	—	14	709
Medford	—	—	97	31,344	—	—	81	18,368
Coos Bay	—	—	6	47	—	—	5	55
Salem	—	—	—	—	—	—	—	—
<b>Oregon Total</b>	<b>749</b>	<b>934,257</b>	<b>678</b>	<b>81,374</b>	<b>902</b>	<b>685,956</b>	<b>591</b>	<b>65,036</b>
Spokane	—	—	331	25,197	—	—	316	24,510
<b>Total</b>	<b>749</b>	<b>934,257</b>	<b>1,009</b>	<b>106,571</b>	<b>902</b>	<b>685,956</b>	<b>907</b>	<b>89,546</b>

Above figures do not include numbers authorized by Exchange of Use Agreement.

<sup>1</sup>An AUM (animal unit month) is the forage required to sustain one cow (or its equivalent) for one month.

# Rangelands

## Resource Development and Conservation

Major watershed conservation and range improvement jobs are tabulated here. Other accomplishments include preparation of watershed management plans, soil stabilization, and water control.

District	FY 1990									
	Vegetation Manipulation Acres	Grass Seeding Acres	Juniper Mgmt Acres	Fencing Miles	Cattle Guards Number	Pipe-line Miles	Number Reservoirs	Number Springs	Number Wells	
Lakeview	640	—	—	36	3	7	4	—	—	
Burns	4,071	4,071	20	18	5	4	—	5	4	
Vale	800	—	—	15	4	1	5	11	1	
Prineville	4,114	—	11	4	—	7	—	10	1	
Medford	—	26	—	—	1	—	—	3	—	
<b>Ore. Total</b>	<b>9,625</b>	<b>4,097</b>	<b>31</b>	<b>73</b>	<b>13</b>	<b>19</b>	<b>9</b>	<b>29</b>	<b>6</b>	
Spokane	4	2	—	3	—	1	—	2	—	
<b>Total</b>	<b>9,629</b>	<b>4,099</b>	<b>31</b>	<b>76</b>	<b>13</b>	<b>20</b>	<b>9</b>	<b>31</b>	<b>6</b>	

District	FY 1991									
	Vegetation Manipulation Acres	Grass Seeding Acres	Juniper Mgmt Acres	Fencing Miles	Cattle Guards Number	Pipe-line Miles	Number Reservoirs	Number Springs	Number Wells	
Lakeview	1,025	1,000	—	11	3	—	2	—	1	
Burns	—	8,747	—	23	4	3	3	3	2	
Vale	—	—	—	34	7	—	—	8	1	
Prineville	1,326	—	—	16	1	23	—	7	1	
Medford	—	—	—	2	2	—	—	—	—	
<b>Ore. Total</b>	<b>2,351</b>	<b>9,747</b>	<b>—</b>	<b>86</b>	<b>17</b>	<b>26</b>	<b>5</b>	<b>18</b>	<b>5</b>	
Spokane	—	125	—	4	—	—	—	—	—	
<b>Total</b>	<b>2,351</b>	<b>9,872</b>	<b>—</b>	<b>90</b>	<b>17</b>	<b>26</b>	<b>5</b>	<b>18</b>	<b>5</b>	

Note: Some of the range improvements are actually reconstructions of older projects that have deteriorated beyond reasonable maintenance costs.



## Wildlife Habitat



Bighorn sheep are being transplanted throughout their historic range in Lake County, Oregon as part of a cooperative project coordinated by BLM's Lakeview District and the Oregon Department of Fish and Wildlife.

Nearly all BLM-managed lands provide habitat for a diversity of fish and wildlife species. Therefore, in developing resource management plans it is necessary to recognize fish and wildlife needs in achieving a suitable balance among the various land uses. Special attention also is given to the habitats of endangered or threatened and migratory species.

BLM cooperates closely with state wildlife management agencies in improving habitat conditions, restoring animal populations, providing forage and water, and managing habitats to attain appropriate wildlife populations levels. BLM also welcomes the cooperation of wildlife groups, sports clubs, and others interested in wildlife habitat management.

During FY 1991, eastern and southern Oregon endured the region's fifth consecutive year of drought. BLM protected wildlife habitat by limiting grazing, leaving more water available for native species. As part of an effort to save the Warner sucker, a fish species native to southeastern Oregon, BLM biologists moved 80 of the fish to New Mexico to enable them to survive. Fortunately, late spring rains made for an excellent grass year, providing plenty of forage and cover for many wild animals.

## Wildlife Habitat

### Big Game Population Estimates

Big game animals which used lands managed by BLM during fiscal year 1991.

District	Pronghorn		Elk	Bighorn	Mountain Black	Bear	Cougar
	Antelope	Deer		Sheep	Goats		
Lakeview	3,300	23,000	160	100	—	60	6
Burns	2,000	8,500	125	500	—	15	10
Vale	5,100	36,500	5,500	550	10	80	40
Prineville	3,700	2,500	1,500	400	—	15	25
Salem	—	35,000	1,700	—	—	250	20
Eugene	—	20,000	1,000	—	—	400	25
Roseburg	—	16,600	660	—	—	70	15
Medford	—	33,250	1,300	—	—	1,020	210
Coos Bay	—	15,000	2,500	—	—	500	50
<b>Ore. Total</b>	<b>14,100</b>	<b>190,350</b>	<b>14,445</b>	<b>1,550</b>	<b>10</b>	<b>2,410</b>	<b>401</b>
Spokane	—	3,000	75	175	40	100	10
<b>Total</b>	<b>14,100</b>	<b>193,350</b>	<b>14,520</b>	<b>1,725</b>	<b>50</b>	<b>2,510</b>	<b>411</b>

### Wildlife Habitat on BLM Lands

As of 9/30/91.

District	Big Game Acres	Small Game Acres	Waterfowl Acres	Fishable Streams Miles
Lakeview	2,556,000	2,051,000	31,000	72
Burns	3,188,000	2,492,000	17,635	237
Vale	3,153,000	4,260,000	11,000	600
Prineville	1,295,000	1,481,000	13,600	434
Salem	383,000	383,000	15,160	620
Eugene	317,000	317,000	—	350
Roseburg	424,000	424,000	—	270
Medford	861,000	861,000	3,000	468
Coos Bay	280,000	300,000	2,000	344
<b>Ore. Total</b>	<b>12,457,000</b>	<b>12,569,000</b>	<b>93,395</b>	<b>3,395</b>
Spokane	316,000	316,000	3,300	123
<b>Total</b>	<b>12,773,000</b>	<b>12,885,000</b>	<b>96,695</b>	<b>3,518</b>

## Wildlife Habitat

### Terrestrial Habitat Improvement

District	Brush Control Acres		Grass/Legume Seeding, Acres		Fencing Miles		Water Development Number		Other Wildlife Improvements	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
Lakeview	—	1 <sup>1</sup>	—	950	15	9	2	2	5	3 <sup>4</sup> & 8 <sup>2</sup>
Burns	—	150	1	1	1	1	—	—	2 <sup>1</sup> & 1 <sup>4</sup>	3 <sup>3</sup> & 1 <sup>2</sup>
Vale	—	—	—	1	4	9	—	1	—	5 <sup>4</sup> & 12 <sup>2</sup>
Prineville	280	300	280	300	—	1	1	5	31 <sup>5</sup>	3
Salem	—	—	—	419	—	—	—	—	—	15 <sup>4</sup>
Eugene	—	2	—	2	—	—	—	60 <sup>3</sup>	—	8 <sup>2</sup>
Roseburg	—	—	120	298	—	—	—	—	—	5
Medford	—	50	565	231	—	1	1	—	—	121 <sup>2</sup> & 16 <sup>6</sup>
Coos Bay	—	370	1,109	1,289	2 <sup>4</sup>	—	—	—	6 <sup>2</sup>	—
<b>Ore. Total</b>	<b>280</b>	<b>873</b>	<b>2,075</b>	<b>3,491</b>	<b>22</b>	<b>21</b>	<b>4</b>	<b>68</b>	<b>45</b>	<b>200</b>
Spokane	—	—	—	—	1 <sup>5</sup>	1	—	—	5 <sup>4</sup> & 9 <sup>2</sup>	10
<b>Total</b>	<b>280</b>	<b>873</b>	<b>2,075</b>	<b>3,491</b>	<b>23</b>	<b>22</b>	<b>4</b>	<b>68</b>	<b>59</b>	<b>210</b>

<sup>1</sup>Prescribed burn

<sup>2</sup>Artificial nest boxes

<sup>3</sup>Water facilities improved

<sup>4</sup>Wetlands improved

<sup>5</sup>Fence modification

<sup>6</sup>Road closures

### Aquatic Habitat Improvement<sup>1</sup>

District	Stream <sup>2</sup> Clearance Miles		Spawning <sup>3</sup> and/or Rearing Area Miles		Improved <sup>4</sup> Fish Passage Miles		Instream Structures Number		Improved <sup>5</sup> Lakes and Reservoirs Acres	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
Lakeview	—	—	—	—	—	7	—	—	—	—
Burns	—	—	—	1	—	—	—	—	—	—
Vale	—	—	—	—	—	—	—	—	—	—
Prineville	—	—	20	20	—	—	15	41	—	—
Salem	—	—	—	3	—	—	571	229	—	—
Eugene	—	—	—	—	—	—	—	60	—	—
Roseburg	—	—	—	—	—	—	—	17	—	—
Medford	—	2	1	6	2	—	108	103	—	—
Coos Bay	—	—	5	—	10	1	26	1	—	—
<b>Ore. Total</b>	<b>—</b>	<b>2</b>	<b>26</b>	<b>30</b>	<b>12</b>	<b>8</b>	<b>720</b>	<b>451</b>	<b>—</b>	<b>—</b>
Spokane	—	—	—	—	—	—	2	—	—	—
<b>Total</b>	<b>—</b>	<b>2</b>	<b>26</b>	<b>30</b>	<b>12</b>	<b>8</b>	<b>722</b>	<b>451</b>	<b>—</b>	<b>—</b>

<sup>1</sup>Miles refer to number of stream miles where fish production will be increased by the projects.

<sup>2</sup>Removal of debris jams.

<sup>3</sup>Also includes streambank stabilization.

<sup>4</sup>Includes fish passage over waterfalls and dams and through culverts.

<sup>5</sup>Includes new projects and improvement of existing water.

## Wildlife Habitat



BLM employees band a spotted owl during the annual inventory and monitoring of the threatened species.

### Northern Spotted Owl Banding<sup>1</sup>

District	Adults/Subadults <sup>2</sup>		Juveniles <sup>3</sup>		Total	
	1990	1991	1990	1991	1990	1991
Lakeview	25	11	5	5	30	16
Salem	23	23	14	3	37	26
Eugene	45	91	30	10	75	101
Roseburg	95	57	81	62	176	119
Medford	163	105	87	97	250	202
Coos Bay	91	37	36	14	127	51
<b>Total</b>	<b>442</b>	<b>324</b>	<b>253</b>	<b>191</b>	<b>695</b>	<b>515</b>

<sup>1</sup> Includes birds banded by BLM and Cooperators on BLM lands and lands with intermingled ownership.

<sup>2</sup> Subadult owls are one to three years old. Adult birds are over three years old.

<sup>3</sup> Juvenile owls are one year old or younger.

## Wildlife Habitat

### Northern Spotted Owl Inventory and Monitoring on BLM-Managed Lands

District	Confirmed Pairs		Single/Unconfirmed Pairs		Unoccupied Sites <sup>1</sup>		Total Sites Visited		Juveniles Counted	
	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
Lakeview	8	5	3	4	0	3	11	12	5	2
Salem	37	33	13	28	5	8	55	69	21	4
Eugene	43	56	42	41	11	14	96	111	21	8
Roseburg	133	116	43	46	27	44	203	206	84	63
Medford	152	171	29	44	45	49	226	264	112	120
Coos Bay	51	47	13	18	1	5	65	70	43	14
<b>Total</b>	<b>424</b>	<b>428</b>	<b>143</b>	<b>181</b>	<b>89</b>	<b>123</b>	<b>656</b>	<b>732</b>	<b>286</b>	<b>211</b>

<sup>1</sup> Includes sites with at least three visits.

### Special Status Species Documented on BLM Land

Group	Federally Listed Species		Federally Proposed Species		Federal Candidate Species	
	Washington	Oregon	Washington	Oregon	Washington	Oregon
Birds	3	5	0	1	4	6
Fish	0	6	0	0	0	9
Mammals	2	3	0	0	4	5
Reptiles/amphibians	0	0	0	0	0	2
<b>Total animals</b>	<b>5</b>	<b>14</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>22</b>
<b>Total plants</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>67</b>

## Recreation



Rafters enjoy a welcome respite along a slow stretch of the Rogue Wild and Scenic River in BLM's Medford District.

Diversity prevails in outdoor recreation on the lands managed by BLM. Most popular of all is enjoying the scenery of the wide open spaces, while other activities include picnicking, camping, hunting, fishing, swimming, boating, hiking, horseback riding, rockhounding, studying nature and taking photographs.

BLM provides recreation sites with picnicking and camping facilities in many popular locations, while natural conditions are preserved in wilderness areas. In between, there is plenty of room to roam while enjoying recreational pursuits. Fees are required at certain recreation sites, competitive events, and for commercial activities.

# Recreation

## Recreation Management\*

	Developed Sites <sup>1</sup>				Undeveloped Special Recreation			
	Number	Camp Units	Fees	Picnic Units	Fees	Sites <sup>2</sup>	Use Permit Number	Fees
Lakeview	19	692	\$1,538	20	\$0	14	27	\$15,625
Burns	5	79	9,099	26	0	5	6	17,550
Prineville	31	267	12,996	21	0	24	183	132,334
Vale	30	236	3,800	49	0	189	83	6,850
Salem	13	131	35,381	159	11,260	1	2	626
Eugene	4	46	6,884	57	9,575	18	1	150
Roseburg	11	96	18,989	54	1,255	2	16	518
Medford	42	96	11,200	91	315	74	145	110,860
Coos Bay	11	126	50,676	60	9,999	236	0	0
<b>Oregon Total</b>	<b>166</b>	<b>1,169</b>	<b>\$150,563</b>	<b>537</b>	<b>\$32,404</b>	<b>563</b>	<b>463</b>	<b>\$284,438</b>
Spokane	5	0	0	4	0	15	1	50
<b>Total</b>	<b>171</b>	<b>1,169</b>	<b>\$150,563</b>	<b>541</b>	<b>\$32,404</b>	<b>578</b>	<b>464</b>	<b>\$284,563</b>

\* Developed sites have some combination of sanitary facilities, water, fire containment, garbage cans, or tables which represent some type of permanent management or maintenance commitment.

<sup>1</sup> Undeveloped sites represent some type of temporary management or maintenance commitment; therefore, the total number of undeveloped sites is not reflected by this data.

<sup>2</sup> Data control and program standards are in conformance with BLM's Recreation Management Information System.

## Estimated Recreation Visits to BLM Lands<sup>1</sup>

Fiscal Year 1991

Use	Oregon	Washington
Off-road vehicle travel	406,375	5,000
Other motorized travel <sup>2</sup>	4,721,605	800,150
Non-motorized travel <sup>3</sup>	1,198,334	380
Camping	1,180,739	3,800
Hunting	705,665	1,208
Recreation site visits	2,342,494	944
Fishing	1,065,130	1,358
Boating	564,585	3,500
Other water based activities	631,480	12,260
Winter sports	138,340	0
Snowmobiling	36,690	0
<b>Total</b>	<b>12,991,437</b>	<b>828,600</b>

<sup>1</sup> A visit to BLM administered land and/or water by a person for the purpose of engaging in recreation activities, whether for a few minutes, or a full day.

<sup>2</sup> Includes recreation related to driving for pleasure.

<sup>3</sup> Includes bicycling, horseback riding, backpacking, hiking and walking for pleasure.

# Recreation

## Wild and Scenic River System

In 1989, Congress passed the Oregon Omnibus Wild and Scenic River Act which included most of the rivers listed below. Rivers were designated under Section 3(a) of the Wild and Scenic Rivers Act under the administration of the Secretary of the Interior, Bureau of Land Management.

In the list below, the Rogue Wild and Scenic River was designated in 1968, the Owyhee Wild and Scenic River in 1984, and the remainder were designated in 1988.

River	District	Total Miles	Wild	Scenic	Recreational
Crooked, Segment 1	Prineville	8.0			8.0
Crooked, Segment 2	Prineville	7.0			7.0
Deschutes, Segment 1	Prineville	19.0		19.0	
Deschutes, Segment 2	Prineville	100.0			100.0
Donner und Blitzen	Burns	72.7	72.7		
Grand Ronde	Vale	24.9	9.0		
John Day (Main Stem)	Prineville	147.5			147.5
North Fork Crooked	Prineville	17.6	11.1	1.5	5.0
North Fork Owyhee	Vale	9.6	9.6		
North Umpqua	Roseburg	8.4			8.4
Owyhee	Vale	120.0	120.0		
Powder	Vale	11.7		11.7	
Quartzville Creek	Salem	12.0			12.0
Rogue	Medford	47.0	20.6		26.4
Salmon	Salem	8.0		4.8	3.2
Sandy	Salem	12.5		3.8	8.7
South Fork John Day	Prineville	47.0			47.0
West Little Owyhee	Vale	57.6	57.6		
White	Prineville	24.4		17.5	6.9
<b>Total</b>		<b>754.9</b>	<b>300.6</b>	<b>58.3</b>	<b>396.0</b>

## Recreation

### Back Country Byways

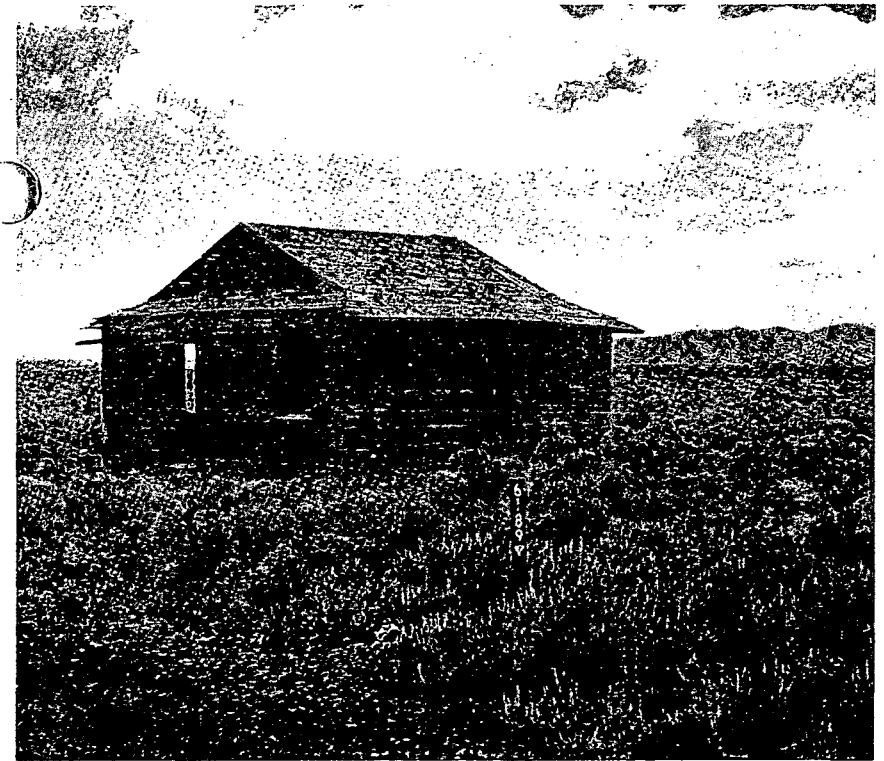
Since 1989, BLM has designated 13 National Back Country Byways in Oregon. The byway program responds to the public demand for pleasure driving opportunities, while enhancing recreation experiences and informing visitors about public land resources.

<u>District</u>	<u>Byway</u>	<u>Miles</u>	<u>Road Types</u>
Lakeview	Christmas Valley	93	paved, gravel
Lakeview and Burns	Lakeview to Steens	90	paved, gravel
Burns	Steens Mountain	66	gravel
	Diamond Loop	64	paved
Vale	Leslie Gulch/ Succor Creek	50	gravel, dirt
	Snake River/ Morman Basin	150	paved, gravel, dirt
Prineville	Lower Deschutes River	36	paved, gravel
	Lower Crooked River	43	paved, gravel
	South Fork John Day River	50	paved, gravel
Salem	Nestucca River	48	paved, gravel
	South Fork Alsea River	11	paved, gravel
Medford	Galice-Helgate	39	paved
	Grave Creek to Marial	33	paved, gravel, dirt
<b>Total</b>	<b>13 Byways</b>	<b>773</b>	

## Cultural Resources

### Developments

Interpretation was the focus of BLM's cultural resource management program during the 1991 fiscal year. The agency's exhibit "Peoples of the Sage" was viewed by more than 150,000 visitors at the High Desert Museum in Bend during the Great Basin Tribute. In preparation for the 1993 Oregon Trail Sesquicentennial, site enhancement and interpretation were prepared for Keeney Pass, a historic site with visible Oregon Trail ruts. Tumpoint Light Station, on Stuart Island in the San Juans, reverted to BLM Management this year, and two new properties were added to the National Register of Historic Places: the Riddle Brothers Ranch, and the China Ditch. A total of 49 workshops and presentations for students and community groups involved more than 13,000 people in exploring cultural resources on BLM-managed lands.



This deserted homestead along BLM's Christmas Valley Byway stands as a reminder of the hard life of eastern Oregon's dryland farmers.

## Cultural Resources

### Adventures in the Past

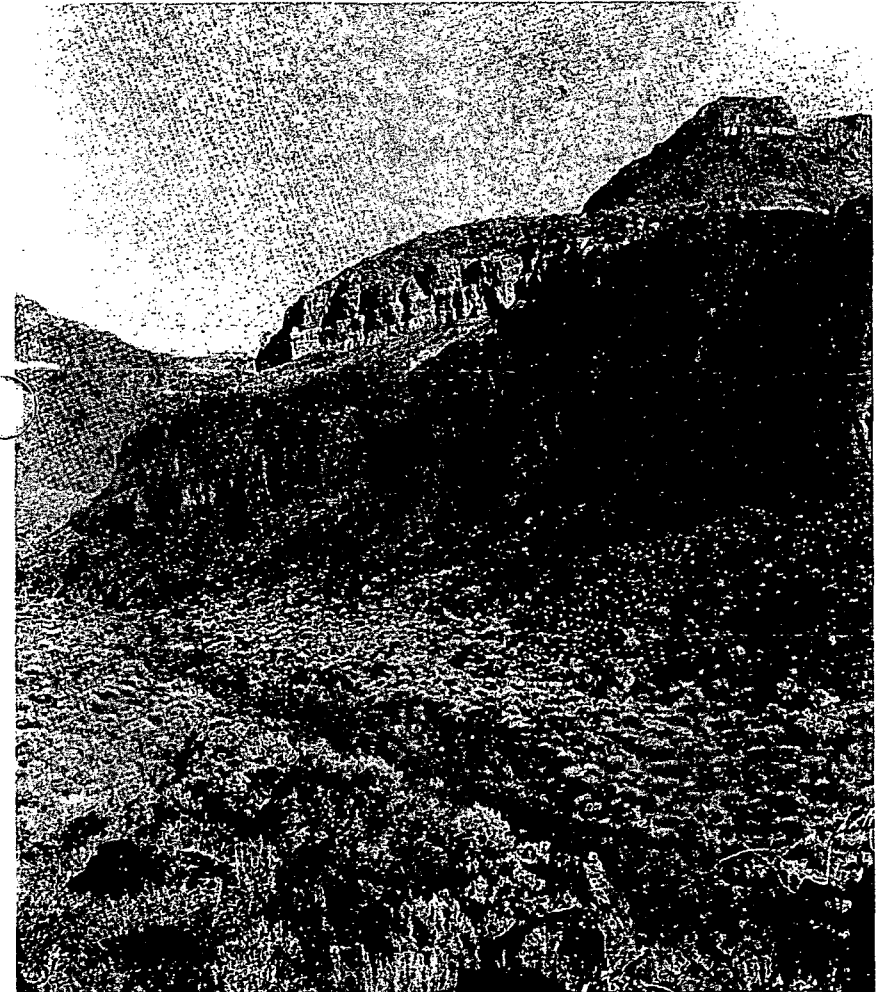
To enhance public enjoyment of cultural resources on public lands in Oregon and Washington, "Adventures in the Past," was initiated bureau-wide in FY 90. As part of this effort, a number of interpretive projects have been underway for some time, and others have been recently begun. A list of on-site interpretive accommodations are listed below. Additional interpretive sites are due to be added in FY92, primarily as part of the Oregon Trail Sesquicentennial Celebration in 1993.

Site	District	Features
Rogue River Ranch National Register Site	Medford	interpretive displays
Whiskey Creek Cabin National Register Site	Medford	public viewing
Yaquina Head Lighthouse and Archaeological Site	Salem	on-site naturalist interpreter
Mack Canyon National Register and Archaeological Site	Prineville	interpretive panels
China Mining Ditch	Roseburg	interpretive panels
Keeney Pass Oregon Trail National Register District	Vale	interpretive kiosk
Four Mile Canyon Oregon Trail Site	Prineville	interpretive signs
Flagstaff Hill Oregon Trail Site	Vale	interpretive kiosk future visitor center
Greaser Petroglyph	Lakeview	interpretive plaque

## Wilderness

Oregon has four BLM-managed wilderness areas (16,703 acres), and 102 wilderness study areas (including 14 instant study areas) totalling 2.8 million acres.

Washington has one BLM-managed wilderness area, Juniper Dunes (7,140 acres), and 1 wilderness study area totalling 5,518 acres.



This site at Chalk Basin is part of some 65,360 acres of the Lower Owyhee Canyon Wilderness Study Area in BLM's Vale District that were recommended for wilderness designation.

## Wilderness

BLM recently completed a 15-year study of roadless areas set in motion by the 1976 Federal Land Policy and Management Act. Wilderness Study Areas (WSA's) were studied through a land use planning process, and final recommendations on each regarding their suitability for wilderness area designation and addition to the National Wilderness Preservation System were developed. Final recommendations on each of the 87 WSA's and Fire Instant Study Areas in Oregon were transmitted to the President by the Secretary of the Interior in October 1991. A total of 1.3 million acres were recommended as suitable for wilderness designation and 1.5 million acres not suitable for designation. The single WSA in Washington totals 5,578 acres; it was recommended not suitable for wilderness designation during a previous year. Final decisions on each area will be made by Congress via legislation. Wilderness values in all WSA's are protected by BLM until final decisions are rendered by Congress.

District	Wilderness Areas		Wilderness Study Areas		Instant Study Areas	
	Areas	Acres	Areas	Acres	Areas	Acres
Salem	1	5,500	—	—	1	80
Medford	1	10,160	1	5,640	10	210
Vale	1	1,038	32	1,110,858	—	—
Coos Bay	1	5	2	8	1	590
Prineville	—	—	16	174,863	1	600
Lakeview	—	—	13	423,604	1	8000
Burns	—	—	23	1,074,737	—	—
<b>Oregon total</b>	<b>4</b>	<b>16,703</b>	<b>87</b>	<b>2,789,710</b>	<b>14</b>	<b>9,480</b>
Spokane	1	7,140	1	5,518	—	—
<b>Total</b>	<b>5</b>	<b>23,843</b>	<b>88</b>	<b>2,795,228</b>	<b>14</b>	<b>9,480</b>

## Wilderness

### Oregon Wilderness Recommendations

WSA	WSA Number	Acres recommended wilderness	Acres not recommended wilderness
Devil's Garden Lava Bed	OR-1-2	28,160	1,520
Squaw Ridge Lava Bed	OR-1-3	21,010	7,330
Four Craters Lava Bed	OR-1-22	9,100	3,500
Sand Dunes	OR-1-24	0	16,440
Diablo Mountain	OR-1-58	90,050	23,070
Orejana Canyon	OR-1-78	14,800	9,800
Abert Rim	OR-1-101	23,760	0
Fish Creek Rim	OR-1-117	11,920	4,770
Guano Creek	OR-1-132	10,350	0
Spaulding	OR-1-139	0	69,530
Hawk Mountain	OR-1-146A	69,640	0
Sage Hen Hills	OR-1-146B	0	8,520
Malheur River-Bluebucket Creek	OR-2-14	0	5,560
Stonehouse	OR-2-23L	0	21,325
Lower Stonehouse	OR-2-23M	0	8,090
Sheepshead Mountain	OR-2-72C	45,705	8,685
Wildcat Canyon	OR-2-72D	34,830	0
Heath Lake	OR-2-72F	0	20,520
Table Mountain	OR-2-72I	25,185	15,407
West Peak	OR-2-72J	0	8,535
East Alvord	OR-2-73A	0	22,240
Winter Range	OR-2-73H	0	15,440
Alvord Desert	OR-2-74	69,165	181,895
Mahogany Ridge	OR-2-77	0	27,940
Red Mountain	OR-2-78	0	16,215
Pueblo Mountains	OR-2-81	25,550	46,540
	NV-020-642		
Rincon	OR-2-82	19,428	84,537
Alvord Peak	OR-2-83	0	16,825
Basque Hills	OR-2-84	0	141,410
High Steens	OR-2-85F	36,440	34,340
South Fork Donner und Blitzen	OR-2-85G	0	37,555
Home Creek	OR-2-85H	22,015	4,575
Blitzen River	OR-2-86E	21,970	34,210
Little Blitzen Gorge	OR-2-86F	4,700	4,800
Bridge Creek	OR-2-87	0	14,545
Pine Creek	OR-2-98A	0	200
Sheep Gulch	OR-2-98C	0	741
Indian Creek	OR-2-98D	0	208
Aldrich Mountain	OR-2-103	0	9,395
Castle Rock	OR-3-18	0	6,200
Beaver Dam Creek	OR-3-27	0	19,580
Camp Creek	OR-3-31	17,770	1,430
Cottonwood Creek	OR-3-32	7,520	1,180
Gold Creek	OR-3-33	15,800	0
Sperdy Creek	OR-1-35	5,360	0
Cedar Mountain	OR-3-47	0	33,600
Dry Creek	OR-3-53	0	23,500
Dry Creek Buttes	OR-3-56	0	51,800
Owyhee Breaks	OR-3-59	10,596	2,784
Blue Canyon	OR-3-73	12,700	0
Upper Leslie Gulch	OR-3-74	3,000	0
Slocum Creek	OR-3-75	7,600	0
Honeycombs	OR-3-77A	36,555	2,445

# Wilderness

## Oregon Wilderness Recommendations

WSA	WSA Number	Acres recommended wilderness	Acres not recommended wilderness
Wild Horse Basin	OR-3-77B	0	12,680
Lower Owyhee Canyon	OR-3-110	65,360	10,375
Saddle Butte	OR-3-111	0	86,300
Palomino Hills	OR-3-114	0	54,600
Bowden Hills	OR-3-118	0	59,900
Clarks Butte	OR-3-120	0	31,490
Jordan Craters	OR-3-128	23,225	4,675
Willow Creek	OR-3-152	26,130	4,435
Disaster Peak	OR-3-153	17,540	1,300
	NV-020-859		
Fifteenmile Creek	OR-3-156	51,260	30
Oregon Canyon	OR-3-157	42,900	0
Twelvemile Creek	OR-3-162	26,240	3,340
Upper West Little Owyhee	OR-3-173	62,500	0
Lookout Butte	OR-3-194	0	65,200
	ID-16-48A		
Owyhee River Canyon	OR-3-195	152,040	38,660
	ID-16-48B		
Thirtymile	OR-5-1	7,332	206
Lower John Day	OR-5-6	20,384	1,536
North Pole Ridge	OR-5-8	5,830	539
Spring Basin	OR-5-9	5,982	0
Deschutes Canyon-Steelhead Falls	OR-5-14	0	3,240
Badlands	OR-5-21	32,030	191
North Fork	OR-5-31	0	11,225
South Fork	OR-5-33	17,001	2,630
Sand Hollow	OR-5-34	8,391	400
Gerry Mountain	OR-5-35	0	20,700
Hampton Butte	OR-5-42	0	10,600
Cougar Well	OR-5-43	0	18,435
McGraw Creek	OR-6-1	0	497
Homestead	OR-6-2	0	7,001
Sheep Mountain	OR-6-3	7,040	0
Mountain Lakes	OR-11-1	334	0
Soda Mountain	OR-11-17	5,867	28
North Sisters Rock	OR-12-8	3	0
Zwagg Island	OR-12-14	5	0
Western Juniper RNA	OR-5-5 (ISA)	0	600
Lost Forest RNA	OR-1-24 (ISA)	0	8,000
Little Sink RNA	OR-8-1 (ISA)	0	80
Brewer Spruce RNA	OR-11-10 (ISA)	0	210
Douglas Fir RNA	OR-12-1 (ISA)	0	590
<b>Total:</b>		<b>1,278,073*</b>	<b>1,528,425</b>

\* Several WSAs recommended for wilderness have some areas located adjacent to, but outside of the WSA boundary to provide a more manageable boundary. This total includes those acres.

# Minerals and Energy

BLM is responsible for administering minerals management laws on all federal lands and also on other lands where mineral rights have been retained by the United States. BLM also assists the Bureau of Indian Affairs in supervising mineral activities on Indian lands. BLM issues mineral leases, regulates exploration and production, maintains records of mining claims and administers sales of common minerals. Operators' plans are reviewed to ensure conservation of mineral resources and protection of other resource values. Operations and rehabilitation of mined and drilled areas are monitored.

The minerals and energy resource management programs continue to gain visibility in Oregon and Washington. BLM is responsible for approximately 56 million acres of federal minerals in the two states. Of that acreage, about 344,808 acres were under lease for oil and gas, 229,247 for geothermal resources and 521 acres for coal in FY 1991. Approximately 4,964 new mining claims were filed for hard rock minerals such as gold and silver. There were 59,248 active mining claims.

### Number of Mining Claim Recordations (all Public Lands)

Claims: 4,964 recorded  
Annual Filings: 46,000 assessments processed

Number of Claim Notices and Plans of Operations: 636

Value of Mineral Material Production: \$1 million

### Mineral Leases

Coal: —  
Uranium (Indian Lands): —  
Mineral Materials (Indian Lands): —  
Hard-Rock (Public Domain): —  
Oil and Gas: 188  
Geothermal: 160  
Prospecting Permits: 3

### Leasable Minerals Operations

Activity	State	
	Oregon	Washington
<b>Oil and Gas</b>		
Exploration Permits	—	—
Miles of Seismic Survey	—	—
No. of Wells Drilled	—	—
Total Footage Drilled	—	—
No. Unit Agreements	—	—
<b>Geothermal</b>		
No. of Wells Drilled	—	—
Total Footage Drilled	—	—
No. of Unit Agreements	—	—



# Minerals and Energy

## Minerals

Item	Oregon		Washington	
	FY 1990	FY 1991	FY 1990	FY 1991
Mineral Patents Issued	2	3	—	—
Coal Leases Issued, Acres	—	—	—	—
Coal Leases in Force, Acres	538	538	521	521
Oil & Gas Leases Issued, Acres	105,070	26,414	2,281	—
Oil & Gas Leases in Force, Acres	440,949	270,258	160,470	74,551

## Geothermal Leases in Effect September 30, 1991

Oregon		Washington	
Number	Acreage	Number	Acreage
USDA Forest Service	150 209,925.83	USDA Forest Service	1 1,913.00
BLM	9 17,407.91	BLM	— —
<b>Total</b>	<b>159 227,333.74</b>	<b>Total</b>	<b>1 1,913.00</b>

## Federal Lands Available for Mining and Mineral Leasing (as of 9-30-91)

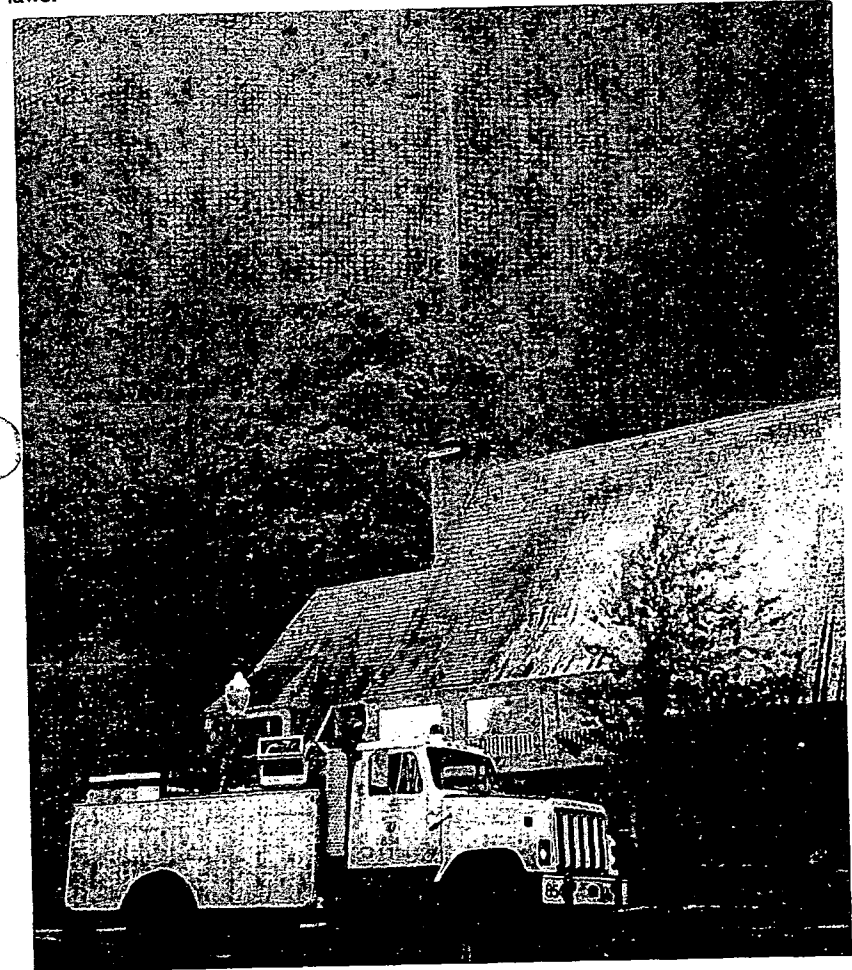
	Oregon		Washington	
	Acres Open	Acres Closed	Acres Open	Acres Closed
Location and Entry Under the Mining Laws <sup>1</sup>	28,800,000	4,800,000	6,326,000	5,304,000
Application and Offer Under the Mineral Leasing Laws <sup>1,2</sup>	29,610,000	6,230,000	6,310,000	5,320,000

<sup>1</sup>Acreage also includes federal subsurface ownership where surface is not owned by the United States.

<sup>2</sup>Acreage also includes acquired lands.

# Support

There are a wide variety of support activities including programs in engineering design and construction, cadastral survey, cartography, fire management and control, unauthorized use prevention, road and recreation site maintenance, access acquisition, land and mineral appraisal, lands and mineral case adjudication, land status records, and mining claim recordation. Public land records are maintained and information is provided about the land records, public land laws and mineral laws.



BLM's compressed air foam engine stands vigil in front of the historic Multnomah Falls Lodge during the wildfire in the Columbia Gorge in October of 1991.

# Support

## Fire Management

Technology plays an important role in BLM's fire management program. Examples include the development of Compressed Air Foam Systems, which were instrumental in saving Multnomah Falls Lodge during the Falls Fire in Mt. Hood National Forest, and BLM's electronic lightning detection system, which instantly plots cloud-to-ground lightning strikes, permitting prompt suppression of lightning-caused fires if necessary. BLM strives to manage fire, rather than merely suppress it. Prescribed burning enhances wildlife habitat, improves range forage mixes, improves watersheds, and removes timber harvest residues to avoid wildfires and simplify reforestation.

### Fire Statistical Summary

Number of fires and acres burned on lands managed by the Bureau of Land Management in Oregon and Washington during 1991.

	Human Caused		Lightning Caused		Total	Total
	No. of Fires	BLM Acres Burned	No. Of Fires	BLM Acres Burned	Number Fires	BLM Acres Burned
Lakeview Burns	8	1	64	7	84	8
Vale	13	592	31	561	62	1,153
Prineville	30	2,334	23	682	80	3,015
Salern	12	3	99	135	140	138
Eugene	5	16	5	1	17	17
Roseburg	9	3	1	0	10	3
Medford	4	0	6	0	12	0
Coos Bay	20	17	55	109	75	126
<b>Oregon Total</b>	<b>111</b>	<b>3,226</b>	<b>284</b>	<b>1,495</b>	<b>493</b>	<b>4,720</b>
Spokane	6	822	8	243	16	1,065
<b>Total</b>	<b>117</b>	<b>4,048</b>	<b>292</b>	<b>1,738</b>	<b>509</b>	<b>5,785</b>

### Average Number of Fires Annually During Five Years, 1986-1990

Human Caused:		Lightning Caused:	
Number	BLM Acres	Number	BLM Acres
110	12,383	281	66,250

Total Fires for 5 Years: 1,955  
Total BLM Acres for 5 Years: 393,166

### Average Number of Fires Annually During Ten Years, 1981-1990

Human Caused:		Lightning Caused:	
Number	BLM Acres	Number	BLM Acres
109	17,284	255	96,880

Total Fires for 10 Years: 3,644  
Total BLM Acres for 10 Years: 1,140,646

# Support

## Numbers of Fires by Size Class

Size Class	1991	5-Year Average (1986-1990)
A (0-.25 acres)	295	209
B (.26-9 acres)	76	102
C (10-99 acres)	18	37
D (100-299 acres)	10	15
E and larger (300+ acres)	10	30
False Alarms	102	40

## Prescribed Fire Statistical Summary

	Prescribed Forestry		Hazard		Water-		Total	Escaped	Fires	
	Fires	Site Prep	Wildlife	Reduct. Range	shed	Other Acres				Number
<b>Eastern Oregon &amp; Washington</b>										
Lakeview Burns	26	555	0	1,142	650	0	0	2,347.0	0	0
Vale	2	0	165	0	0	0	0	165.0	0	0
Prineville	1	0	0	0	0	0	2.5	2.5	0	0
Spokane	16	0	410	0	800	2,264	0	3,474.0	0	0
<b>Total</b>	<b>46</b>	<b>555</b>	<b>575</b>	<b>1,142</b>	<b>1,450</b>	<b>2,264</b>	<b>2.6</b>	<b>5,988.6</b>	<b>0</b>	<b>0</b>
<b>Western Oregon</b>										
Salem	70	1,554	0	517	0	0	0	2,071	2	10
Eugene	19	300	0	300	0	0	0	600	1	2
Roseburg	94	2,340	0	0	0	0	0	2,340	0	0
Medford	154	3,579	0	0	0	0	0	3,579	0	0
Coos Bay	119	3,576	0	0	0	0	0	3,576	8	189
<b>Total</b>	<b>456</b>	<b>11,349</b>	<b>0</b>	<b>817</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,166</b>	<b>11</b>	<b>201</b>
<b>Oregon &amp; Washington</b>										
<b>Total</b>	<b>502</b>	<b>11,904</b>	<b>575</b>	<b>1,959</b>	<b>1,450</b>	<b>2,264</b>	<b>2.6</b>	<b>18,154.6</b>	<b>11</b>	<b>201</b>

### State 5-year Average (FY 1986-1990)

Average Number of Projects:	598		
Average Acres Treated:	22,103		
Forestry	16,292	Range	3,408
Wildlife	401	Watershed	1,105
Hazard Reduction	785	Other	126
<b>Total Projects for 5 Years:</b>	<b>2,989</b>		
<b>Total Acres Treated for 5 Years:</b>	<b>110,514</b>		

## Support Roads

The BLM road transportation system in Oregon as of 9/30/91 totaled 28,666 miles — 19,257 miles in western Oregon and 9,409 miles in eastern Oregon. Washington has 134 miles.

Appropriated-fund-constructed mileage has stayed at 1,109 miles (312 miles in eastern Oregon, 797 miles in western Oregon) because no funds have been appropriated for road construction for the past several years. No appropriated-fund roads have been constructed in Washington.

Roads constructed under the terms of timber sale contracts are shown in the table below. Other road mileage has been acquired by purchase, donation, and construction by others under permit, such as the Civilian Conservation Corps in the 1930s.

In FY 1991, 7,993 miles, more than one third of the 28,800-mile BLM transportation system, were maintained. This included 5,501 miles of road in western Oregon and 660 miles in eastern Oregon maintained by BLM; and 1,737 miles on the west side and 80 miles on the east side maintained by timber purchasers (under the terms of timber sale contracts) and by other government agencies or timber companies (under the terms of agreements). All roads are not maintained annually, but at varying intervals based on need.

### Transportation System — Roads and Bridges

District	New (1991)				Maintenance			Major Culverts <sup>3</sup>
	Roads (Miles)		Bridges (No.)		Roads (Miles)			FY1991
	FY1991	Total	FY1991	Total	By BLM	By Others	Not Maintained	
Lakeview	5	2,437	—	5	218	—	2,219	5
Burns	—	3,090	—	4	72	—	3,018	—
Vale	3	2,585	-3 <sup>2</sup>	1	245	24	2,316	5
Prineville	—	1,297	—	7	125	56	1,116	1
<b>Total E. Ore.</b>	<b>8</b>	<b>9,409</b>	<b>-3</b>	<b>17</b>	<b>660</b>	<b>80</b>	<b>8,669</b>	<b>11</b>
Lakeview	-9 <sup>1</sup>	397	—	—	21	136	240	—
Salem	9	3,990	-3 <sup>2</sup>	67	770	84	3,136	98
Eugene	26 <sup>1</sup>	2,613	—	42	1,148	120	1,345	75
Roseburg	90	3,904	-3 <sup>2</sup>	64	1,016	246	2,642	81
Medford	58 <sup>1</sup>	5,617	—	72	1,368	1,067	3,182	95
Coos Bay	-15 <sup>1</sup>	2,736	-2 <sup>2</sup>	77	1,178	84	1,474	40
<b>Total W. Ore.</b>	<b>159</b>	<b>19,257</b>	<b>-8</b>	<b>322</b>	<b>5,501</b>	<b>1,737</b>	<b>12,019</b>	<b>389</b>
<b>Ore. Total</b>	<b>167</b>	<b>28,666</b>	<b>-11</b>	<b>339</b>	<b>6,161</b>	<b>1,817</b>	<b>20,688</b>	<b>400</b>
Spokane	—	134	—	—	—	15	119	—
<b>Total</b>	<b>167</b>	<b>28,800</b>	<b>-11</b>	<b>339</b>	<b>6,161</b>	<b>1,832</b>	<b>20,807</b>	<b>400</b>

<sup>1</sup> FY base data was adjusted for inventory corrections made in GIS process.

<sup>2</sup> FY base data was adjusted for inventory corrections made in the GIS process or road bridges were converted to foot bridges or were abandoned.

<sup>3</sup> Major culverts are defined as 80 inches in diameter or larger.

## Support

### Rights of Way

Right of way permits issued by the Oregon State Office during the 1990 and 1991 fiscal years. (Does not include permits for logging roads in western Oregon.)

Kind	Oregon		Washington	
	FY 1990	FY 1991	FY 1990	FY 1991
Energy Related <sup>1</sup>	4	22	0	1
Non-energy Related <sup>2</sup>	137	161	9	7
<b>Total</b>	<b>141</b>	<b>183</b>	<b>9</b>	<b>8</b>

<sup>1</sup>Includes electric transmission lines and oil and gas pipelines.

<sup>2</sup>Includes telephone and telegraph lines, communication sites, water pipelines, roads, highways, material sites, etc.

### Road Right of Way Permits and Agreements

Right of way permits issued for logging and reciprocal right of way and road use agreements signed.

District	Permits Issued		Agreements Signed	
	FY 1990	FY 1991	FY 1990	FY 1991
Lakeview	9	7	—	2
Burns	4	5	—	1
Vale	—	—	—	—
Prineville	16	28	4	1
Salem	11	4	—	3
Eugene	17	13	1	—
Roseburg	12	11	—	2
Medford	4	21	4	—
Coos Bay	10	15	—	3
<b>Oregon Total</b>	<b>83</b>	<b>104</b>	<b>9</b>	<b>12</b>
Spokane	—	—	—	—
<b>Total</b>	<b>83</b>	<b>104</b>	<b>9</b>	<b>12</b>

# Support

## Lands

The Lands program includes the processing of lands and minerals applications (casework) from other Federal agencies, state and local governments, and private individuals. This includes field examination, classification and issuance of land use decisions, title conveyances, leases, permits, rights-of-way, withdrawals and withdrawal review. It also provides for maintenance of public records in Oregon and Washington, issuance of public land status, and information about the public land and minerals laws.

## Road Right of Way Easements

District	FY 1990	FY 1991
	Direct Purchase	Direct Purchase
Lakeview	—	—
Burns	—	2
Vale	2	2
Prineville	—	—
Salem	14	3
Eugene	2	—
Roseburg	4	9
Medford	7	10
Coos Bay	2	—
Spokane	5	7
<b>Total</b>	<b>36</b>	<b>33</b>

## Other Lands Acquired

District	FY 1990	FY 1991
	Direct Purchase Acres	Direct Purchase Acres
Salem: Nestucca River Road	—	12.25
Coos Bay: Dean Creek	—	116.3
New River (2)	—	345.6
Burns: Steens Mtn. Rec. Area	—	9,017.0
Spokane: Juniper Dunes Donation	20	—
Vale: South Fork Walla Walla Oregon Trail	—	64.7
	—	58.7
<b>Total</b>	<b>20</b>	<b>9,614.55</b>

# Support

## Withdrawal Review Recommendations

Through the Federal Land Policy and Management Act of 1976, Congress mandated that the Secretary of the Interior, through the Bureau of Land Management, must review certain land withdrawals of all federal lands to determine whether the withdrawals are still justified, and to what extent the lands involved can be opened for multiple use. Land classifications are also being reviewed in this effort. Oregon and Washington have approximately 25 percent of the 6,000 land withdrawals subject to review nationwide.

### Reviewed in FY 1991

	Revoke		Continue		Totals	
	No.	Acres	No.	Acres	No.	Acres
<b>Oregon</b>						
Withdrawals	7	2,029	—	—	7	2,029
Land Classifications	—	—	—	—	—	—
<b>Washington</b>						
Withdrawals	8	17,692	—	—	8	17,692
Land Classifications	—	—	—	—	—	—
<b>Total</b>	<b>15</b>	<b>19,721</b>	<b>—</b>	<b>—</b>	<b>15</b>	<b>19,721</b>

### Total Reviewed Since October 21, 1976

	Revoke		Continue		Totals	
	No.	Acres	No.	Acres	No.	Acres
<b>Oregon</b>						
Withdrawals	424	933,103	118	432,196	542	1,365,299
Land Classifications	87	9,544,120	61	3,893,612	148	13,437,732
<b>Washington</b>						
Withdrawals	235	929,025	54	10,890	289	939,915
Land Classifications	18	24,379	19	1,690	37	26,069
<b>Total</b>	<b>764</b>	<b>11,430,627</b>	<b>252</b>	<b>4,338,388</b>	<b>1,016</b>	<b>15,769,015</b>

## Support

### Lands Transferred Between BLM and Other Federal Agencies

	FY 1990 Acres	FY 1991 Acres
<b>Oregon</b>		
Jurisdiction Transferred to BLM	—	280
Jurisdiction Transferred from BLM	—	—
<b>Washington</b>		
Jurisdiction Transferred to BLM	2,211	—
Jurisdiction Transferred from BLM	—	—

### Land Leases

(In effect 9-30-90)

Kind	Oregon		Washington	
	Number	Acres	Number	Acres
Recreation & Public Purposes Act	48	3,237	12	1,877
Small Tract	4	4	—	—
Airport	4	197	—	—
Mining Claim Occupancy Act	8	15	—	—
Public Works	1	4	1	1
Communication Site	1	1	—	—
Sec. 302 FLPMA Leases, Permits and Easements	147	64,774	8	112
<b>Total</b>	<b>213</b>	<b>68,232</b>	<b>21</b>	<b>1,990</b>

### Land Leases

(In effect 9-30-91)

Kind	Oregon		Washington	
	Number	Acres	Number	Acres
Recreation & Public Purposes Act	49	3,238	14	1,935
Small Tract	4	4	—	—
Airport	4	197	—	—
Mining Claim Occupancy Act	9	16	—	—
Public Works	1	4	1	1
Communication Site	1	1	—	—
Sec. 302 FLPMA Leases, Permits and Easements	162	65,120	10	116
<b>Total</b>	<b>230</b>	<b>68,580</b>	<b>25</b>	<b>2,052</b>

## Support

### Lands Received by BLM

	FY 1990 Acres	FY 1991 Acres
<b>Oregon</b>		
Exchanges	8,356	16,921
Reconveyance of Recreation & Public Purposes Act Land	—	—
Acquisitions in Fee	—	6,854
<b>Total</b>	<b>8,356</b>	<b>23,775</b>
<b>Washington</b>		
Exchanges	9,685	8,787
Reconveyance of Recreation & Public Purposes Act Land	—	—
Acquisition in Fee	20	—
<b>Total</b>	<b>9,705</b>	<b>8,787</b>
<b>Grand Total</b>	<b>18,061</b>	<b>32,562</b>

### Surveys

Cadastral surveys are performed to create, mark and define, or to retrace the boundaries between adjoining lands and, more particularly, between land of the federal government and private owners or local governments. The Bureau of Land Management is the only agency that is authorized to determine the boundaries of the public lands of the United States.

### Public Land Surveys

Kind	FY 1990		FY 1991	
	Oregon	Washington	Oregon	Washington
Miles of Line Retraced or Surveyed	532	93	487	63
Corners Monumented	780	157	775	230
Plats Accepted	70	22	49	23

## Support

### Land Patents Issued

Kind of Patent	FY 1990		FY 1991	
	No.	Acres	No.	Acres
<b>Oregon—BLM</b>				
Public Sale	5	214	5	341
Exchange	6	4,928	3	4,194
Mining Claim Patent	2	865	3	77
Conveyance of Federally Owned Minerals	1	484	—	—
Corrective Patent	1	6	—	—
Recreation and Public Purposes	—	—	1	40
Special Legislation	—	—	1	40
<b>Total</b>	<b>15</b>	<b>6,497</b>	<b>13</b>	<b>4,692</b>
<b>Oregon—Other Agency</b>				
Indian Fee Patents	6	11	—	—
National Forest Exchange	7	5,779	7	1,736
<b>Total</b>	<b>13</b>	<b>5,790</b>	<b>7</b>	<b>1,736</b>
<b>Washington—BLM</b>				
Exchange	2	3,638	2	1,442
Public Sale	—	—	1	920
<b>Total</b>	<b>2</b>	<b>3,638</b>	<b>3</b>	<b>2,362</b>
<b>Washington—Other Agency</b>				
Indian Fee and Re-issue Trust	6	366	43	3,247
National Forest Exchange	10	11,050	6	41,182
<b>Total</b>	<b>16</b>	<b>11,416</b>	<b>49</b>	<b>44,429</b>
<b>Total - BLM</b>	<b>17</b>	<b>10,135</b>	<b>16</b>	<b>7,054</b>
<b>Total - Other Agency</b>	<b>29</b>	<b>17,206</b>	<b>56</b>	<b>46,165</b>

## Law Enforcement

BLM's Law Enforcement office has two sections: the Resource Investigations and Patrol Operations Section and the Drug Enforcement Section. Uniformed rangers work in districts and resource areas performing patrol activities and law enforcement services on BLM administered lands. The special agents, who work out of the state office, conduct investigations covering a full range of violations which include timber theft, drug crimes, thefts of BLM property, assaults on employees, theft of archaeological resources, occupancy trespass, destruction of BLM property, and investigations of all other crimes which affect the administration of the Bureau of Land Management.

BLM's agents and rangers work closely with their state and federal counterparts, taking part in drug task forces on public lands, joint timber investigations, as well as taking part in many local and state level law enforcement associations, meetings on crime prevention, and criminal information sharing.

### Misdemeanor Violations/Prosecutions

	1990	1991
Archaeological Resource Protection Act	1	2
Destruction of Government Property	1	3
Timber Theft	10	14
Theft of Natural Resources	1	6
Violation of Fire Regulations	6	3
Sanitation and Littering	5	9
Illegal Guides	—	16
Theft of Small Forest Products	3	2
Illegal Occupancy	—	8
Destruction of Natural Features	1	2
Wild Horse and Burro Violations	—	4
Grazing without Authorization	1	3
Employee Intimidation	—	3
<b>Total</b>	<b>29</b>	<b>75</b>

## Law Enforcement

Felony Resource Investigations	1990	1991
Theft of Government Property	5	4
Timber Theft	6	13
Assault on Employee	2	2
Violation of Archaeological Resources	2	5
<b>Total</b>	<b>15</b>	<b>24</b>

Ranger Activities	1990	1991
Patrol Units*	474	550
Public Contacts	4,039	4,500
Violations Observed**	402	532
Warnings	325	166
Citations Issued	27	44

\* A patrol unit is equal to one officer patrolling for eight hours.

\*\* The difference between the number of violations observed and the total warnings and citations issued is due to the fact that many violations are observed after the fact, with no violator present.

## Marijuana Eradication Statistics

	1990	1991
Gardens Located	159	179
Plants Located	6,205	7,452
Raids	88	140
Arrests	30	61
Suspects	2	0
Counties Targeted	16	16
Street Value	\$18.6 million @ \$3,000/plant	\$23.8 million @ \$3,200/plant
Drug Labs Found	4	6
Cash Seizures	\$10,500	\$95,959
Booby Traps	0	1
Firearms Seized	7	75

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