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# **BLM Facts**

Oregon and Washington  
1988



**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 (825 NE Multnomah Street)

Dear Reader:

Riparian management and watershed enhancement were major projects in Oregon and Washington in 1988. The Bureau's efforts to improve the banks of the streams and rivers within our jurisdiction met with great success.

This past year, livestock industry leaders initiated a program of positive support for riparian system restoration and management by forming a coalition with environmental and conservation organizations to assist BLM area managers in implementing riparian program objectives on public lands in both the Vale and Burns Districts. Significant progress was also made toward implementing the Oregon/Washington Riparian Enhancement Plan, including the initiation of 86 new projects and the maintenance of 48 existing projects.

A land exchange involving 14,807 acres of state-owned land and 12,784 acres of Federal land concluded a 16-year program between the Oregon Division of State Lands and BLM to consolidate land ownership in eastern Oregon. Operating under a 1972 Memorandum of Understanding, the two agencies exchanged over 783,000 acres in eight separate transactions.

In the wilderness program, the Spokane and Salem Districts were active in implementing management plans for the Juniper Dunes and Table Rock Wilderness Areas. The Spokane District worked with volunteers to remove segments of old fencing from Juniper Dunes using a horse-drawn wagon. Salem developed a plan using the "limits of acceptable change" approach designed to minimize impacts from human use to the wilderness values of the Table Rock Wilderness.

In recreation, we implemented several projects in partnership with private interests to provide increased opportunity on public lands for the recreation visitor. For BLM-administered lands in Oregon and Washington, we completed a recreation strategy tied to both the President's "Commission on Americans Outdoors" report and the Bureau's "Recreation 2000" report.

Archaeological looting has long been a problem on public lands. In 1988, we completed two joint projects with universities aimed at salvaging information from sites which have long been the target of looters. This past year we finished the third and final year of archaeological excavations and inventories in the Gerber Reservoir/Lost River area of south-central Oregon — a joint project with the University of Oregon. We also completed the second year of excavations and surveys in the Warner Potholes area of south-central Oregon — a joint project with the University of Nevada-Reno. In a joint BLM-Forest Service project, a felony conviction was handed down to a person who illegally collected and excavated artifacts in central Oregon.

Our hazardous materials program continued to deal with approximately 15-20 incidents annually, ranging from relatively minor diesel oil spills to costly clandestine drug lab cleanups on public lands. In 1988, federal agents from the Bureau eradicated more than 8,400 cannabis plants on the public lands.

Our minerals program processed some 11,711 mining claim recordings, 32,350 assessments, and 207 claim development notices and plans of operation; administered 1,147 mineral leases; disposed of through sale, free use or for timber management, over \$1.5 million of mineral materials; and approved the drilling of a deep gas exploration test well in central Washington. The minerals program took an active role in making the public aware of the geothermal potential on public lands and of the importance of public domain mineral materials to local economies in Oregon and Washington.

As State Director, I am proud of these and the other accomplishments which our employees and volunteers have completed with the help of other agencies and you, our public. I look forward to the challenges of the coming year and the opportunity to share these lands with you again.

Sincerely,

*Charles W. Locken*  
State Director

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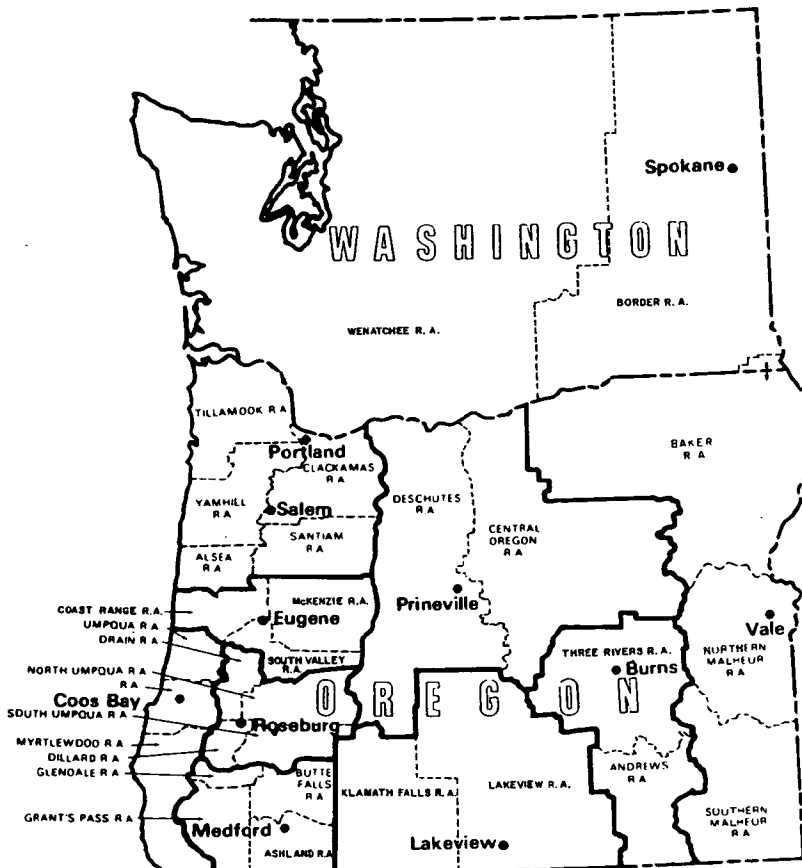
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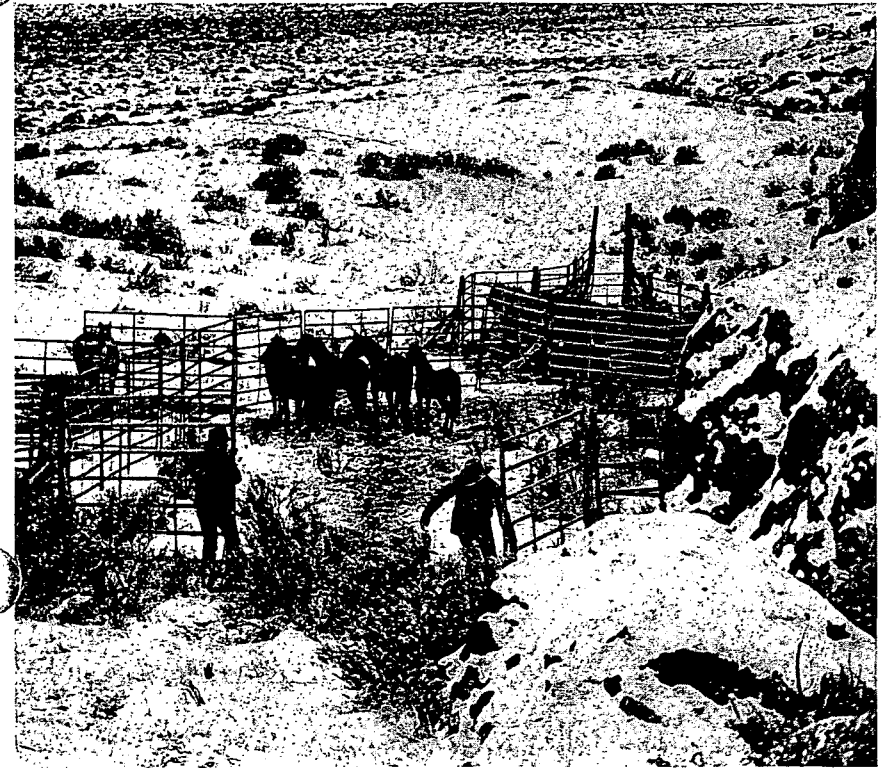
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## Introduction



Cowboys corral some of the more than 800 horses gathered from the public lands in 1988.

BLM in Oregon and Washington manages about 16 million acres of public lands (15.7 million acres and 300,000 respectively) and 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 forest products, livestock forage, minerals, soil, water and air, wildlife habitat and wild horses. Uses administered include recreation, mineral extraction, and realty actions. BLM programs provide for the development and use of the public land and its resources under principles of multiple use and sustained yield while maintaining and enhanc-

ing the quality of the environment.

In relation to these resource management programs, BLM in Oregon and Washington conducts a variety of programs such as lands and mineral records, 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 (O&C) and reconveyed Coos Bay Wagon Road lands and the other for public domain lands. Activities in Washington are funded entirely for public domain lands.

## Administration

This area covers such activities as personnel management, budget preparation and analysis, procurement, property management, organization planning, telecommunication, training, accounts and safety.

BLM is responsible for both collecting and paying out funds. BLM collects money from many sources utilizing the public lands and

deposits these monies in the U.S. Treasury. In turn, monies are paid out to Oregon and Washington. One payment is paid to the states for their share of receipts collected by BLM, another is made directly to counties in lieu of taxes. In western Oregon, the counties also receive an additional payment from O&C receipts.

### Employees of BLM (Authorized permanent positions)

	September 30 1988	September 30 1987
<b>Districts</b>		
Lakeview	63	63
Burns	61	61
Vale	94	94
Prineville	50	50
Salem	199	197
Eugene	173	172
Roseburg	179	177
Medford	254	252
Coos Bay	177	176
Spokane	32	31
State Office	255	252
<b>Total</b>	<b>1537</b>	<b>1525</b>

## Lands Managed by BLM

Lands under the exclusive jurisdiction of each district of the Bureau of Land Management in Oregon and Washington includes public domain, revested Oregon & California Railroad grant lands, reconveyed Coos Bay Wagon Road grant lands, Land Utiliza-

tion Project Lands, and certain other categories. Acreages are as of September 30, 1988, and are approximate. Lands managed by BLM are 25 percent of the total acreage of Oregon and less than 1 percent of Washington.

District	Acre
Lakeview	3,381,985
Burns	3,456,285
Vale	4,962,349
Prineville	1,559,552
Salem	396,955
Eugene	316,561
Roseburg	423,842
Medford	860,803
Coos Bay	332,474
<b>Oregon Total</b>	<b>15,690,806</b>
Spokane	311,292
<b>Total</b>	<b>16,002,098</b>

## Administration

### Lands Managed by the Bureau of Land Management in Each County in Oregon and Washington (as of September 30, 1988).

Oregon		Washington	
County	Acres	County	Acres
Baker	367,772	Adams	481
Benton	57,649	Asotin	10,422
Clackamas	67,047	Benton	18,188
Clatsop	43	Chelan	21,124
Columbia	11,081	Clallam	83
Coos	168,289	Clark	5
Crook	511,770	Columbia	519
Curry	67,510	Cowlitz	52
Deschutes	506,903	Douglas	37,520
Douglas	654,061	Ferry	11,959
Gilliam	23,620	Franklin	17,646
Grant	171,107	Garfield	433
Harney	4,110,077	Grant	37,094
Hood River	180	Grays Harbor	13
Jackson	431,055	Island	2
Jefferson	25,846	Jefferson	59
Josephine	311,338	King	340
Klamath	289,474	Kitsap	—
Lake	2,580,761	Kittitas	16,009
Lane	289,482	Klickitat	16,407
Lincoln	20,080	Lewis	279
Linn	88,236	Lincoln	7,130
Malheur	4,542,837	Mason	3
Marion	20,966	Okanogan	54,960
Morrow	2,347	Pacific	374
Multnomah	4,247	Pend Oreille	1,904
Polk	41,268	Pierce	12
Sherman	44,109	San Juan	282
Tillamook	49,415	Skagit	277
Umatilla	8,857	Skamania	63
Union	6,250	Snohomish	170
Wallowa	18,908	Spokane	—
Wasco	36,115	Stevens	29,738
Washington	12,009	Thurston	1
Wheeler	117,151	Wahkiakum	1
Yamhill	32,946	Walla Walla	630
		Whatcom	145
		Whitman	1,294
		Yakima	25,673
<b>Total</b>	<b>15,690,806</b>	<b>Total</b>	<b>311,292</b>

## Administration

An important aspect of BLM administration is that BLM returns a profit to the Federal Treasury for the investment made in it by its shareholders—the American taxpayer. During fiscal year 1988 BLM reported receipts of \$242,100,823 against expenses of \$97,532,713. As always, those receipts were shared with state, county and local

governments. A total of \$75,249,269 was distributed in Oregon and Washington.

Total collections from all BLM resource management activities are several times more than total costs of management. Principal sources of revenue include timber sales, mineral lease fees and grazing fees.

### 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>			
FY 1987					
Mineral Leases	\$—	\$—	\$—	\$—	\$1,236,496 <sup>5</sup>
Mineral (Material) Sales	—	—	—	13,242	—
Land Sales	—	—	—	49,206	—
Rent of Land	105,676	—	2,049	13,790	—
Sale of Timber	116,943,110	18,863,112	4,819,772	8,489,469	—
Grazing Fees <sup>6</sup>	14,035	—	23	1,270,002	—
Recreation Fees	—	—	—	51,065	—
Other Resources	—	—	29,496	51,152	—
Other Fees	687,193	—	55,206	20,812	37,152
Penalties & Forfeitures	—	—	—	—	—
Other Sources	231,140	—	—	—	340,230
Totals	\$117,981,154	\$18,863,112	\$4,906,546	\$9,958,738	\$1,613,878

**Total O&C** **\$136,844,266**

**Grand Total BLM, All Sources:** **\$153,323,428**

<b>FY 1988</b>				
Mineral Leases	\$—	\$—	\$—	\$1,144,673 <sup>5</sup>
Mineral (Material) Sales	—	—	—	16,343
Land Sales	—	—	—	153,031
Rent of Land	284,852	—	3,585	14,579
Sale of Timber	191,248,666	—	9,368,084	10,813,336
Grazing Fees <sup>6</sup>	25,580	25,547,259	24	1,309,329
Recreation Fees	—	—	—	17,107
Other Resources	—	—	17,703	720,474
Other Fees	331,019	—	63,223	21,419
Penalties & Forfeitures	—	—	—	47,447
Other Sources	302,631	—	—	(134,101) <sup>7</sup>
<b>Totals</b>	<b>\$192,192,748</b>	<b>\$25,547,259</b>	<b>\$9,452,619</b>	<b>\$13,065,618</b>

**Total O&C** **\$217,740,007**

**Grand Total BLM, All Sources:** **\$241,316,263**

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

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

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

<sup>4</sup>Primarily 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.

<sup>7</sup>FY87 adjustment of distribution to the general fund.

## Administration

### Collections, Classified by Commodity—Washington

Commodity	BLM Lands	Unrelated to Status
	<b>FY 1987</b>	
Mineral Leases*	\$111,682	\$411,816
Mineral Material Sales	—	—
Land Sales	49,282	—
Rent of Land	—	—
Sale of Timber	338,301	—
Grazing Sec. 15	32,579	—
Recreation Fees	—	—
Other Resources	—	—
Other Fees	—	14,365
Penalties & Forfeitures	—	—
Other Sources	8,731	—
<b>Total</b>	<b>\$540,575</b>	<b>\$426,181</b>

**Grand Total, All Sources:** **\$966,756**

<b>FY 1988</b>		
Mineral Leases*	\$95,018	\$368,891
Mineral Material Sales	—	—
Land Sales	62,522	—
Rent of Land	—	—
Sale of Timber	180,117	—
Grazing Sec. 15	38,747	—
Recreation Fees	—	—
Other Resources	—	—
Other Fees	—	25,653
Penalties & Forfeitures	—	—
Other Sources	13,449	163
<b>Total</b>	<b>\$389,853</b>	<b>\$394,707</b>

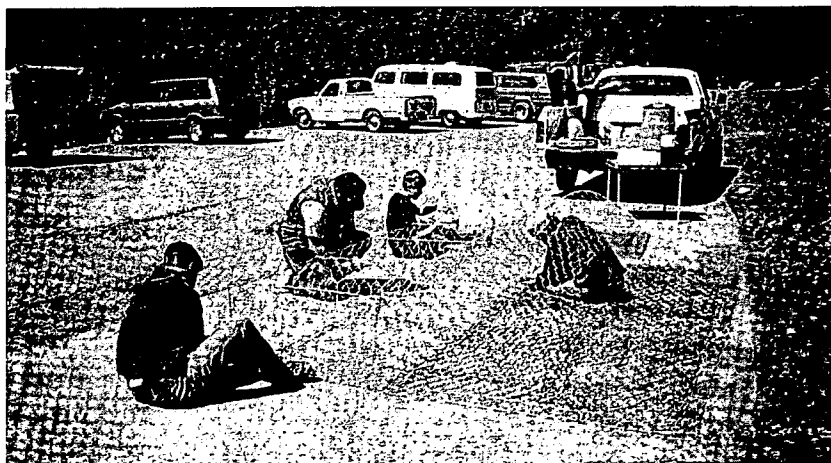
**Grand Total, All Sources:** **\$784,560**

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

## Administration

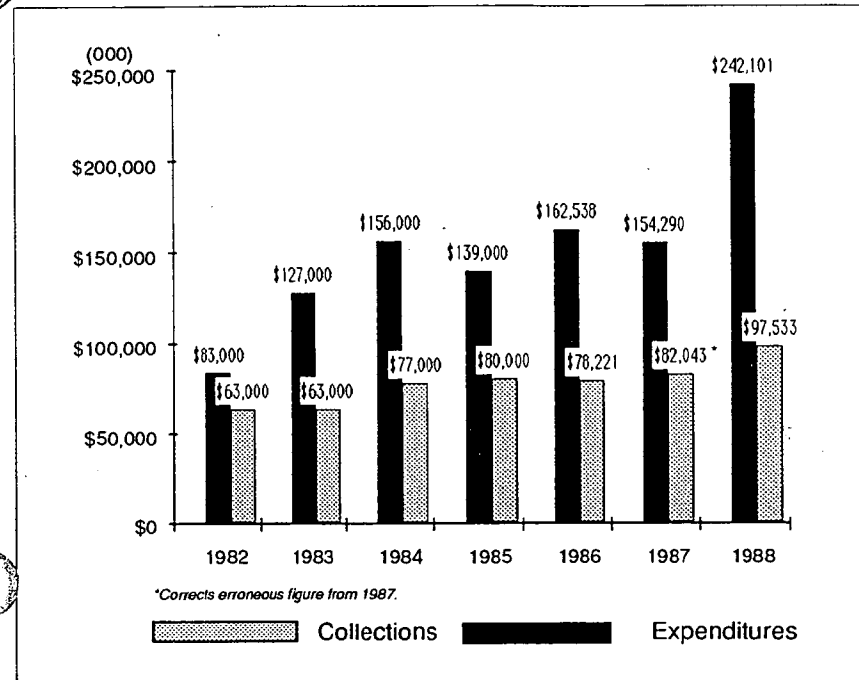
### BLM Expenditures for Resource Management

	FY 1987	FY 1988
Forest Management	\$21,154,865	\$23,901,451
Forest Development	19,597,376	21,913,216
Range Management	3,582,922	4,187,904
Range Improvement	771,196	649,653
Soil and Watershed Conservation	2,540,746	2,100,500
Lands and Minerals	3,409,406	3,739,627
Wildlife Management	2,400,076	2,594,635
Recreation Management	1,827,527	2,284,774
Recreation Construction	875	311,285
Cadastral Survey	700,049	936,618
Resource Protection	2,495,600	2,458,462
Fire Presuppression	1,480,154	2,975,944
Fire Suppression	4,924,712	7,090,759
Fire & Storm Damage Rehabilitation	703,851	3,529,451
Forest Pest Control	41,302	1,573
Law Enforcement	644,332	682,495
Road Construction & Acquisition	815,426	1,776,697
Building Construction	12,112	1,486
Maintenance of Capital Investments	10,385,765	10,364,532
Planning and Data Management	1,658,181	2,963,815
Program Services	2,896,815	3,067,836
<b>Total</b>	<b>\$82,043,283</b>	<b>\$97,532,713</b>



Volunteers from Scout Troop 23, the Roaring Rogue District, construct wire gabions to stabilize a slope at the Rogue River's Grave Creek Boat Ramp.

## Administration



Oregon and Washington collections and expenditures

## Revenue Sharing

Total collections from all BLM resource management activities are several times more than total costs of management. Principal sources of revenue include timber sales, mineral lease fees and grazing fees.

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 4 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 reversioned 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 improvements by BLM, with 12.5 percent available for states to use for range improvements.



## Administration

### Payments to Counties and State, FY 1987 - Oregon

Counties	Resource Management O&C Lands	Mineral Leasing	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Baker	\$ —	\$ 155	\$ —	\$ 100,905	\$ 100,060
Benton	2,025,981	7,241	18	1,996	2,
Clackamas	3,915,408	20,576	—	51,051	3,987,035
Clatsop	—	105	—	312	417
Columbia	1,512,579	6,567	—	—	1,519,146
Coos	4,750,501	7,870	—	6,911	4,765,282
Crook	—	71,697	314	93,193	165,204
Curry	2,608,668	—	—	58,526	2,667,194
Deschutes	—	116,581	659	141,944	259,184
Douglas	18,126,218	51,628	49	93,353	18,271,148
Gilliam	—	7,049	2,396	3,556	13,001
Grant	—	9,103	11,303	172,895	193,301
Harney	—	47,539	1,866	305,539	354,944
Hood River	—	640	—	20,868	21,508
Jackson	11,100,367	18,446	1,318	46,326	11,166,457
Jefferson	—	9,215	706	28,997	38,918
Josephine	8,624,760	—	23	34,667	8,659,450
Klamath	1,641,411	30,962	3,651	212,463	1,888,487
Lake	—	262,766	69	325,379	351,724
Lane	11,047,962	43,357	12	136,005	11,227,336
Lincoln	295,953	1,662	—	18,089	315,704
Linn	1,928,924	16,314	—	47,697	1,992,935
Malheur	—	17,375	—	641,084	658,459
Marion	1,049,982	13,941	—	20,292	1,084,215
Morrow	—	14,396	126	15,809	30,331
Multnomah	777,773	343	—	7,012	785,128
Polk	1,553,074	2,786	—	—	1,555,860
Sherman	—	3,353	1,879	21,744	26,976
Tillamook	414,348	2,687	—	10,388	427,423
Umatilla	—	9,581	516	42,445	52,542
Union	—	3	247	61,818	62,068
Wallowa	—	—	1,170	115,290	116,460
Wasco	—	15,763	2,563	20,490	38,818
Washington	458,641	10,374	—	289	469,304
Wheeler	—	23,156	2,994	25,494	51,644
Yamhill	546,215	11,815	—	2,643	560,673
Total	\$72,378,765	\$618,558	\$31,870	\$2,885,470	\$75,914,672

Payment to State of Oregon from sale of public domain timber, materials, and lands, totaling \$452,870 and Section 3 grazing permits totaling \$158,835 ..... \$611,705

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.

Total payments to counties and State, FY 1987 ..... \$76,526,377

<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 \$491,681 of CBWR.

<sup>3</sup>Includes \$45,633 of CBWR.

\* Amount actually paid during the fiscal year, 10/1/86 through 9/30/87. See table on page 4 for total O&C receipts.

## Administration

### Payments to Counties and State, FY 1988 - Oregon

Counties	Resource Management O&C Lands	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Baker	\$ —	\$ 155	\$ —	\$101,718	\$101,873
Benton	1,924,672	2,584	16	2,012	1,929,284
Clackamas	3,797,428	15,382	—	51,462	3,864,272
Clatsop	—	105	—	315	420
Columbia	1,405,115	6,461	—	—	1,411,576
Coos	4,856,052 <sup>2</sup>	5,080	13	6,967	4,868,112
Crook	—	76,853	315	93,983	171,151
Curry	2,480,987	—	—	59,051	2,540,038
Deschutes	—	103,886	464	143,068	247,418
Douglas	17,228,266 <sup>3</sup>	18,491	49	94,189	17,340,995
Gilliam	—	16,214	2,600	10,965	29,779
Grant	—	52,058	11,361	174,258	237,677
Harney	—	10,014	1,310	308,000	319,324
Hood River	—	320	—	21,050	21,370
Jackson	10,721,748	7,985	1,270	46,699	10,777,702
Jefferson	—	9,661	858	29,234	39,753
Josephine	8,211,184	—	3	34,945	8,246,132
Klamath	1,601,078	1,913	2,481	214,354	1,819,826
Lake	—	20,969	106	328,000	349,075
Lane	10,469,671	23,032	8	137,100	10,629,811
Lincoln	246,320	354	—	18,246	264,920
Linn	1,815,323	5,572	—	48,013	1,868,908
Malheur	—	18,257	—	657,650	675,907
Marion	999,271	8,684	—	20,445	1,028,410
Morrow	—	34,913	149	15,936	50,998
Multnomah	745,801	5,149	—	7,163	758,113
Polk	1,477,918	—	—	—	1,477,918
Sherman	—	6,093	1,663	29,020	36,776
Tillamook	386,509	1,206	—	10,472	398,187
Umatilla	—	28,578	536	42,787	71,901
Union	—	2,835	233	62,316	65,384
Wallowa	—	—	1,142	116,334	117,476
Wasco	—	16,310	3,068	20,655	40,033
Washington	432,740	9,674	—	291	442,705
Wheeler	—	48,094	2,988	27,545	78,627
Yamhill	500,688	8,180	—	2664	511,532
Total	69,300,771*	565,062	30,635	2,936,917	72,833,383

Payment to State of Oregon from sale of public domain timber, materials, and lands, totaling \$344,123 and Section 3 grazing permits totaling \$150,445 ..... \$494,568

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.

Total payments to counties and State, FY 1988 ..... \$73,327,951

<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 \$813,543 of CBWR.

<sup>3</sup>Includes \$65,095 of CBWR.

\* Amount actually paid during the fiscal year, 10/1/87 through 9/30/88. See table on page 4 for total O&C receipts.

# Administration

## Payments to Counties and State, FY 1987 - Washington

Counties	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Adams	\$ 5,441	\$ 20	\$ 2,973	\$8,434
Asotin	20	500	6,518	7,030
Benton	15,574	427	29,726	45,727
Chelan	640	752	334,845	336,237
Clallam	4,606	—	65,658	70,264
Clark	—	—	374	374
Columbia	264	—	16,321	16,585
Cowlitz	—	—	2,796	2,796
Douglas	2,841	2,692	29,200	34,733
Ferry	—	988	49,406	50,394
Franklin	29,414	1,089	20,188	50,691
Garfield	3,662	8	10,037	13,707
Grant	37,557	1,566	102,857	141,980
Grays Harbor	304	—	23,762	24,066
Island	—	—	5,313	5,313
Jefferson	—	—	70,055	70,055
King	21	—	34,329	34,350
Kitsap	604	—	—	604
Kittitas	33,042	1,128	93,086	127,256
Klickitat	12,661	1,154	3,747	17,562
Lewis	991	—	46,716	47,707
Lincoln	7,320	582	16,406	24,308
Mason	—	—	16,355	16,355
Okanogan	295	4,843	384,089	389,227
Pacific	—	—	2,496	2,496
Pend Oreille	—	—	53,613	53,613
Pierce	5,439	—	75,009	80,448
San Juan	—	—	1,686	1,686
Skagit	—	—	51,183	51,183
Skamania	8,998	—	82,082	91,080
Snohomish	—	—	62,652	62,652
Spokane	—	—	—	—
Stevens	—	612	64,132	64,744
Thurston	—	—	—	—
Wahkiakum	—	—	—	—
Walla Walla	3,017	—	13,356	16,373
Whatcom	16,801	—	83,453	100,254
Whitman	654	48	7,510	8,212
Yakima	15,742	2,225	52,811	70,778
<b>Total</b>	<b>\$205,908</b>	<b>\$18,634</b>	<b>\$1,914,740</b>	<b>\$2,139,282</b>

Payment to State of Washington from sale of public domain timber, materials, lands, etc. **\$10,096**  
 Payment to State of Washington from mineral leasing **\$205,908**  
 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.

**Total payments to counties and State FY 1987** **\$2,149,378**

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

# Administration

## Payments to Counties and State, FY 1988 - Washington

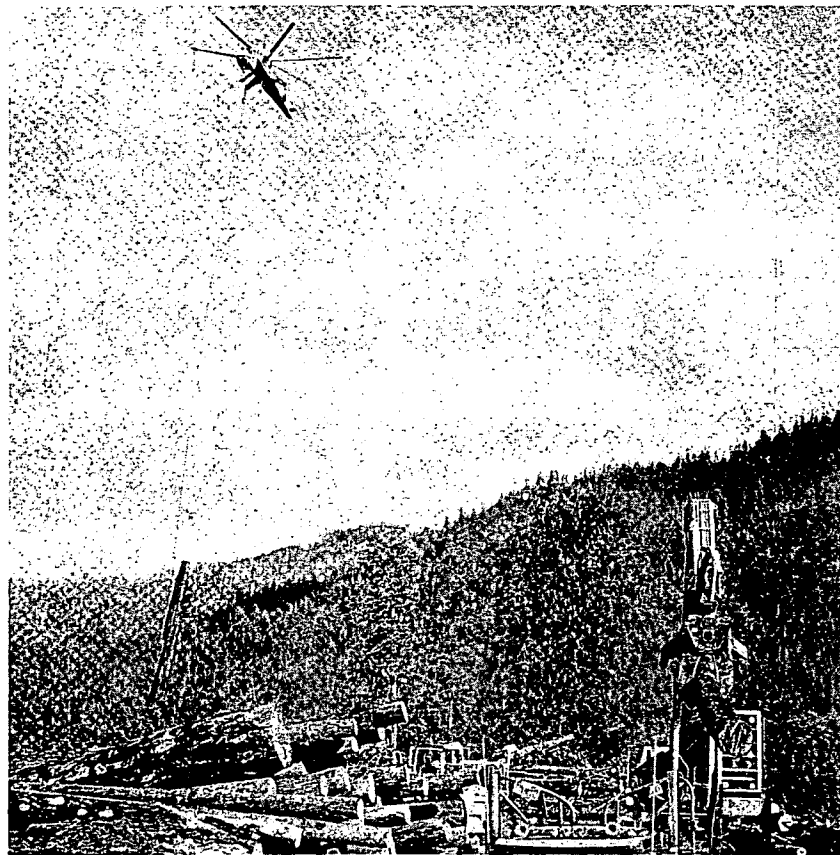
Counties	Mineral Leasing <sup>1</sup>	Sec. 15 Grazing Leases	Payments in Lieu of Taxes	Totals
Adams	\$5,549	\$ —	\$2,998	\$8,547
Asotin	20	518	8,238	8,776
Benton	13,376	207	30,152	43,735
Chelan	752	781	142,634	144,167
Clallam	6,240	—	67,335	73,575
Clark	—	—	376	376
Columbia	(56)	—	16,452	16,396
Cowlitz	—	—	3,210	3,210
Douglas	6,901	2,122	29,371	38,394
Ferry	—	993	119,042	120,035
Franklin	28,920	708	20,455	50,083
Garfield	3,662	3	10,118	13,783
Grant	37,411	1,350	105,901	144,662
Grays Harbor	—	—	30,211	30,211
Island	—	—	8,403	8,403
Jefferson	—	—	70,378	70,378
King	42	—	34,586	34,628
Kitsap	604	—	—	604
Kittitas	34,054	1,130	43,971	79,155
Klickitat	7,208	1,166	3,689	12,063
Lewis	992	—	47,605	48,597
Lincoln	7,320	509	16,598	24,427
Mason	—	—	16,226	16,226
Okanogan	295	4,425	252,406	257,126
Pacific	—	—	2,516	2,516
Pend Oreille	—	—	124,060	124,060
Pierce	5,419	—	33,641	39,060
San Juan	—	—	1,700	1,700
Skagit	—	—	53,049	53,049
Skamania	2,378	—	82,857	85,235
Snohomish	—	—	63,157	63,157
Spokane	—	—	—	—
Stevens	—	513	105,130	105,643
Thurston	—	—	—	—
Wahkiakum	—	—	—	—
Walla Walla	1,569	—	13,641	15,210
Whatcom	—	—	84,153	84,153
Whitman	654	51	7,581	8,286
Yakima	21,136	1,814	53,239	76,189
<b>Total</b>	<b>\$184,446</b>	<b>\$16,290</b>	<b>\$1,705,079</b>	<b>\$1,905,815</b>

Payment to State of Washington from sale of public domain timber, materials, lands, etc. **\$15,503**  
 Payment to State of Washington from mineral leasing **\$184,446**  
 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

**Total payments to counties and State FY 1987** **\$1,921,318**

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

## Forestry



Helicopter logging is used in areas where road building would be detrimental to the land or in areas that are inaccessible to vehicles.

BLM forestlands in Oregon and Washington are administered under two management programs. One is for the administration of 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 the 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 Act of 1976 requires public lands and resources to be managed under the principles of multiple use and sustained yield, without permanent 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

### Commercial Forest Land

District	Commercial Forest Land Acres	Withdrawn Forest Land Acres*	Allowable Cut M.bd.ft.
Lakeview	28,000	12,000	1,350
Burns	48,000	700	3,350
Vale	36,000	5,000	3,210
Prineville	70,000	9,000	5,480
Salem	360,000	63,900	246,000
Eugene	307,900	31,200	223,000
Roseburg	402,000	34,500	247,000
Medford	716,100	235,500	213,000
Coos Bay	306,300	58,600	254,000
<b>Oregon Total</b>	<b>2,274,300</b>	<b>450,400</b>	<b>1,196,390</b>
Spokane	38,000	7,000	4,000
<b>Total</b>	<b>2,312,300</b>	<b>457,400</b>	<b>1,200,390</b>

\*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.

### Timber Sales

Volumes and sale prices of timber sold from lands managed by BLM during fiscal year 1987 and fiscal year 1988.

District	FY 1987 Volume		FY 1988 Volume	
	M.bd.ft.	Value	M.bd.ft.	Value
Lakeview	536	\$151,538	1,692	\$321,480
Burns	—	—	—	—
Vale	2,041	39,424	1,129	113,180
Prineville	12,552	138,966	12,440	1,551,423
Salem	244,428	31,962,161	240,700	45,979,477
Eugene	217,004	28,064,000	190,100	31,159,291
Roseburg	251,993	23,900,276	215,500	24,541,140
Medford	175,247	18,236,307	170,000	36,198,100
Coos Bay	269,088	36,964,418	197,400	30,188,382
<b>Oregon Total</b>	<b>1,172,889</b>	<b>139,457,090</b>	<b>1,028,961</b>	<b>170,052,473</b>
Spokane	3,961	237,008	3,056	153,223
<b>Total</b>	<b>1,176,850</b>	<b>139,694,098</b>	<b>1,032,017</b>	<b>\$170,205,696</b>

## Forestry

### Timber Harvests

Acres from which the timber sold during fiscal year 1987 and fiscal year 1988 will be harvested.

District	FY 1987		FY 1988	
	Clearcut Acres	Partialcut Acres	Clearcut Acres	Partialcut Acres
Lakeview	57	64	—	1
Burns	—	1,160	—	—
Vale	—	—	—	185
Prineville	101	661	1,317	912
Salem	3,531	101	3,194	408
Eugene	3,558	362	2,735	1,136
Roseburg	5,527	810	5,430	423
Medford	3,904	7,656	6,921	4,154
Coos Bay	4,468	54	4,134	91
<b>Oregon Total</b>	<b>21,146</b>	<b>10,868</b>	<b>23,731</b>	<b>7,310</b>
Spokane	115	499	13	265
<b>Total</b>	<b>21,261</b>	<b>11,367</b>	<b>23,744</b>	<b>7,575</b>

### Timber - 1988 Harvested Volume (M. bd. ft.)

Western Oregon		Eastern Oregon and Washington	
Salem	316,074	Lakeview	2,937
Eugene	312,340	Burns	—
Roseburg	367,349	Vale	3,196
Coos Bay	380,949	Prineville	13,734
Medford	265,674	Spokane	2,832
<b>Total</b>	<b>1,642,386</b>	<b>Total</b>	<b>22,699</b>

### Western Oregon Commercial Forest Acres With No Planned Timber Harvest

Reservation	Acres	Allowable Cut Impact MMBF
TPCC (fragile sites, etc.)	302,500	214
Bald Eagles	3,200	2
ACEC, RNA, ONA, cultural and botanical sites	7,200	5
Riparian Zones	58,300	41
Recreation Management	2,400	2
Older Forest Retention Areas (raptor habitat, etc.)	46,300	33
<b>Totals</b>	<b>419,900</b>	<b>297</b>

## Forestry

### Timber Trespasses

District	FY 1987		FY 1988	
	No. of Cases	Collections	No. of Cases	Collections
Lakeview	—	\$ —	—	\$ —
Burns	—	—	—	—
Vale	—	—	—	—
Prineville	—	—	—	—
Salem	—	—	9	7,821
Eugene	13	11,278.50	16	21,000
Roseburg	17	18,652.20	8	6,762
Medford	25	41,289.99	18	4,788
Coos Bay	13	16,885.86	13	44,577
<b>Oregon Total</b>	<b>68</b>	<b>88,106.55</b>	<b>64</b>	<b>\$84,948</b>
Spokane	3	1,886.68	—	—
<b>Total</b>	<b>71</b>	<b>\$89,993.23</b>	<b>64</b>	<b>\$84,948</b>

### Minor Forest Products Sales

Item and Unit	FY 1987		FY 1988	
	Quantity	Value	Quantity	Value
Fuelwood, board feet	12,449,448	\$120,590	10,682,110	\$89,652
Bolts and shakes, board feet	308,440	18,876	144,100	12,061
Small poles, board feet	30,400	248	596,950	808
Large poles, board feet	10,105	344	600	10
Corral poles, board feet	175,668	823	2,700	59
Posts, board feet	39,613	1,615	28,740	923
Split rails, board feet	4,797	163	3,500	113
Mine timbers, board feet	120	54	—	—
Pulpwood, board feet	212,000	2,044	448,500	3,506
Cascara bark, pounds	2,800	78	4,360	148
Boughs, pounds	424,509	31,160	323,355	12,449
Ferns, bunches	16,157	688	76,505	1,105
Cones, bushels	580	142	120	18
Huckleberry brush, bunches	25,451	1,184	32,218	1,464
Christmas trees, each	2,878	6,139	4,640	10,072
Wildings, each	2,937	277	16,165	1,011
Moss, pounds	26,498	483	17,627	502
Arrow stock, board feet	57,890	2,893	56,825	4,482
Greens, bunches	5,300	105	17,626	1,239
<b>Total</b>		<b>\$187,906</b>		<b>\$139,622</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.

1987

District	Site Preparation Acres	Planting Acres
Lakeview	450	40
Burns	—	—
Vale	—	—
Prineville	—	—
Salem	3,416	3,956
Eugene	2,685	3,637
Roseburg	3,282	4,913
Medford	6,571	11,027
Coos Bay	2,408	4,141
<b>Oregon Total</b>	<b>18,812</b>	<b>27,714</b>
Spokane	—	—
<b>Total</b>	<b>18,812</b>	<b>27,714</b>

1988

District	Site Preparation Acres	Planting Acres
Lakeview	170	—
Burns	—	—
Vale	—	100
Prineville	—	—
Salem	2,982	4,032
Eugene	2,335	4,825
Roseburg	3,572	7,014
Medford	7,954	11,596
Coos Bay	5,535	3,973
<b>Oregon Total</b>	<b>22,548</b>	<b>31,540</b>
Spokane	—	—
<b>Total</b>	<b>22,548</b>	<b>31,540</b>

## Forestry

### Forest Development - II

Reforestation treatments made to protect unestablished stands from animals, insects, and disease are tabulated under "Protection." Reforestation treatments made to release unestablished stands from competing vegetation are tabulated under "Release."

FY 1987

District	Protection Acres	Release Acres	Protection and Release Acres
Lakeview	—	—	—
Burns	—	—	—
Vale	—	—	—
Prineville	—	—	—
Salem	257	2,797	3,054
Eugene	4,518	127	4,645
Roseburg	1,964	181	2,145
Medford	3,948	—	3,948
Coos Bay	3,283	1,206	4,489
<b>Oregon Total</b>	<b>13,970</b>	<b>4,311</b>	<b>18,281</b>
Spokane	—	—	—
<b>Total</b>	<b>13,970</b>	<b>4,311</b>	<b>18,281</b>

FY 1988

District	Protection Acres	Release Acres	Protection and Release Acres
Lakeview	—	—	—
Burns	—	—	—
Vale	—	—	—
Prineville	—	—	—
Salem	852	2,917	3,769
Eugene	4,508	625	5,133
Roseburg	3,480	799	4,279
Medford	3,978	2,081	6,059
Coos Bay	2,685	1,576	4,261
<b>Oregon Total</b>	<b>15,503</b>	<b>7,998</b>	<b>23,501</b>
Spokane	—	—	—
<b>Total</b>	<b>15,503</b>	<b>7,998</b>	<b>23,501</b>

## Forestry

### Forest Development - III

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

FY 1987				
District	Fertilization Acres	Improvement Acres	Thinning	
			Precommercial Acres	Commercial Acres
Lakeview	—	—	10	80
Burns	—	—	—	—
Vale	—	—	—	—
Prineville	—	—	—	—
Salem	—	—	—	292
Eugene	—	—	—	580
Roseburg	—	—	—	37
Medford	—	232	—	46
Coos Bay	—	470	—	—
<b>Oregon Total</b>	—	<b>702</b>	<b>10</b>	<b>1,035</b>
Spokane	—	—	—	—
<b>Total</b>	—	<b>702</b>	<b>10</b>	<b>1,035</b>

FY 1988				
District	Fertilization Acres	Improvement Acres	Thinning	
			Precommercial Acres	Commercial Acres
Lakeview	—	—	110	160
Burns	—	—	—	—
Vale	—	—	40	—
Prineville	—	—	—	—
Salem	—	429	—	68
Eugene	—	437	—	587
Roseburg	—	91	—	347
Medford	—	749	—	314
Coos Bay	—	587	—	—
<b>Oregon Total</b>	—	<b>2,293</b>	<b>150</b>	<b>1,476</b>
Spokane	—	—	—	—
<b>Total</b>	—	<b>2,293</b>	<b>150</b>	<b>1,476</b>

## 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. To accomplish this, excess wild horses are periodically rounded up and made available for adoption.

### Wild Horse Management

	Horses Removed From the Range 10/01/87-9/30/88	Horses on Range the Range 9/30/88	Levels to be Maintained
Lakeview <sup>1</sup>	5	379	185-410
Burns	329	873	560-1,030
Vale	486	908	580-1,150
Prineville <sup>2</sup>	—	102	50-80
Forest Service	7	—	—
<b>Totals</b>	<b>827</b>	<b>2,262</b>	<b>1,375-2,670</b>

<sup>1</sup>The Pokegama Herd Management Area which has been administered by the Medford District is now administered by the Lakeview District.

<sup>2</sup>The Murderer's Creek Herd Management Area which has been administered by the U.S. Forest Service and Burns District is now administered by the U.S. Forest Service and the Prineville District.

### Summary FY 1988

In corral 10/01/87	169 horses, 1 burro
Gathered	819 horses, 1 mule
Born in corral	19 horses
Shipped into Oregon (gathered in other states)	23 horses
Adopted	105 horses
Repossessed	—
Died or destroyed	56 horses
Returned to range	45 horses
To holding centers	803 horses
In corral 09/30/88	22 horses, 1 burro

## Rangelands



The Old West is still alive on the Saddle Mountain cattle drive, Spokane 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 forage growth; controlling brush; and revegetating burned or depleted areas.

## Rangelands

### Livestock Grazing

Grazing use is tabulated for grazing fee year 1987 (March 1, 1987-February 28, 1988). During 1985, the grazing fee for all BLM lands was \$1.35 per AUM.<sup>1</sup>

District	Permits & Leases	Cattle	Horses	Sheep	AUMs
Lakeview					
Permits	91	34,436	51	—	120,927
Leases	63	1,222	20	138	3,072
Burns					
Permits	171	56,793	70	40	226,990
Leases	—	—	—	—	—
Vale					
Permits	380	83,843	414	7,907	428,460
Leases	111	1,286	1	457	4,183
Prineville					
Permits	127	16,776	107	1,380	66,548
Leases	368	6,819	46	775	37,034
Eugene					
Leases	8	115	—	—	558
Roseburg					
Leases	15	123	6	20	741
Medford					
Leases	120	5,249	—	226	12,651
Coos Bay					
Leases	6	7	—	1	41
<b>Oregon Total</b>	<b>1,460</b>	<b>206,669</b>	<b>715</b>	<b>10,944</b>	<b>901,205</b>
Spokane					
Leases	348	5,967	88	319	24,852
<b>Total</b>	<b>1,808</b>	<b>212,636</b>	<b>803</b>	<b>11,263</b>	<b>926,057</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.

Grazing use totals during grazing fee year 1986 were:

State	Permits & Leases	Cattle & Horses	Sheep	AUMs
Oregon	1,457	210,280	9,281	26,921
Washington	363	6,507	195	26,921
<b>Total</b>	<b>1,820</b>	<b>216,787</b>	<b>9,476</b>	<b>955,694</b>

## 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.

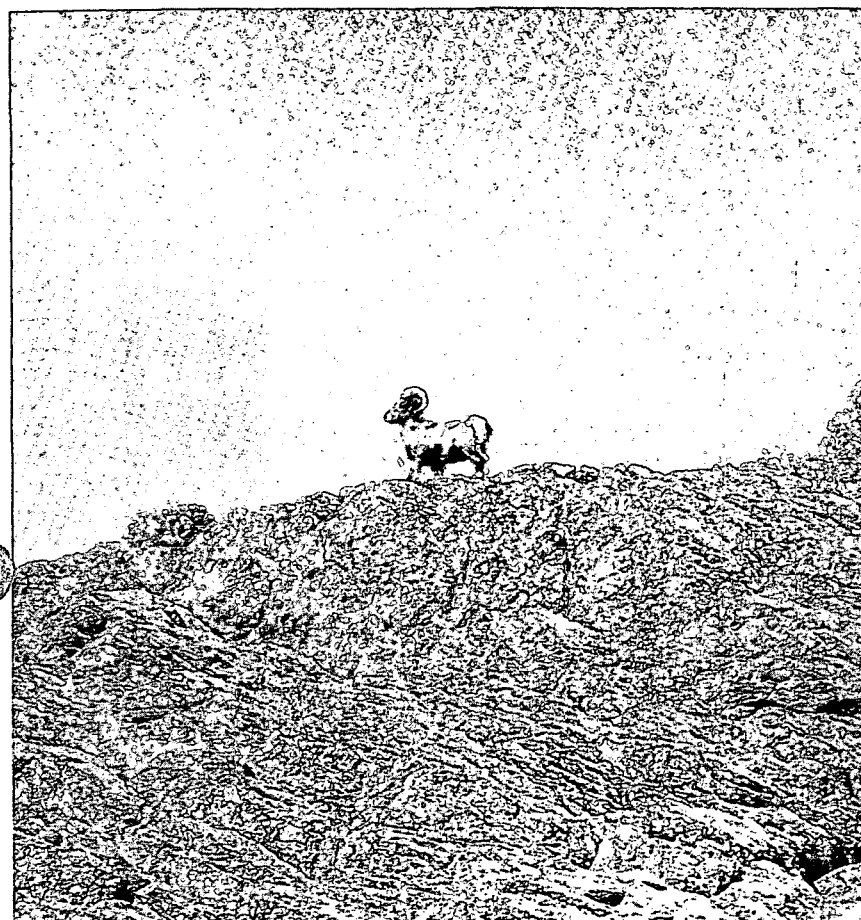
#### FY 1988

District	Vegetation Manipulation Acres	Grass Seeding Acres	Juniper Mgmt Miles	Fencing Number	Cattle Guards Miles	Pipe-line Miles	Number Reservoirs	Number Springs	Number Wells
Lakeview	—	—	—	22.4	2	—	2	—	1
Burns	590	590	—	10.3	2	1.0	3	5	1
Vale	—	—	—	1.5	11	—	1	1	—
Prineville	—	—	970	17.8	—	3.0	2	4	—
Roseburg	—	—	—	—	—	—	—	—	—
Medford	—	—	—	—	—	—	—	—	—
Coos Bay	—	—	—	—	—	—	—	—	—
<b>Ore. Total</b>	<b>590</b>	<b>590</b>	<b>970</b>	<b>52.0</b>	<b>15</b>	<b>4.0</b>	<b>9</b>	<b>10</b>	<b>2</b>
Spokane	—	—	—	8.0	1	—	4	2	—
<b>Total</b>	<b>590</b>	<b>590</b>	<b>970</b>	<b>60.0</b>	<b>16</b>	<b>4.0</b>	<b>13</b>	<b>12</b>	<b>2</b>

#### FY 1987

District	Vegetation Manipulation Acres	Grass Seeding Acres	Juniper Mgmt Acres	Fencing Miles	Cattle Guards Number	Pipe line Miles	Number Reservoirs	Number Springs	Number Wells
Lakeview	820	820	—	—	—	1.3	—	—	—
Burns	1,800	1,800	—	20.6	4	—	2	1	—
Vale	2,500	2,500	—	18.3	4	1.7	1	1	—
Prineville	2,000	2,000	2,180	4.5	—	13.6	2	1	—
Roseburg	—	—	—	—	—	—	—	—	—
Medford	—	—	—	3.2	1	—	—	3	—
Coos Bay	—	—	—	—	—	—	—	—	—
<b>Ore. Total</b>	<b>7,120</b>	<b>7,120</b>	<b>2,180</b>	<b>46.6</b>	<b>9</b>	<b>16.6</b>	<b>5</b>	<b>6</b>	<b>—</b>
Spokane	32	32	—	2.5	3	2.0	—	—	—
<b>Total</b>	<b>7,152</b>	<b>7,152</b>	<b>2,180</b>	<b>49.1</b>	<b>12</b>	<b>18.6</b>	<b>5</b>	<b>6</b>	<b>—</b>

## Wildlife Habitat



A big horn sheep released in eastern Oregon surveys the area from his pinnacle.

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.



## Wildlife Habitat

### Big Game Population Estimates

Big game animals which used lands managed by BLM during fiscal year 1988.

District	Pronghorn Antelope	Deer	Elk	Bighorn Sheep	Mountain Goats	Black Bear	Cougar
Lakeview	3,300	23,000	150	100	—	60	6
Burns	4,000	32,400	900	440	—	15	10
Vale	5383	42,500	6,100	495	7	80	35
Prineville	2,300	29,000	700	105	—	50	25
Salem	—	19,000	2,400	—	—	230	20
Eugene	—	18,600	590	—	—	340	25
Roseburg	—	16,600	660	—	—	90	15
Medford	—	23,000	950	—	—	850	50
Coos Bay	—	15,000	2,250	—	—	200	50
<b>Ore. Total</b>	<b>14,983</b>	<b>219,100</b>	<b>14,700</b>	<b>1,140</b>	<b>7</b>	<b>1,915</b>	<b>236</b>
Spokane	—	23,000	300	130	83	300	10
<b>Total</b>	<b>14,983</b>	<b>242,100</b>	<b>15,000</b>	<b>1,270</b>	<b>90</b>	<b>2,215</b>	<b>246</b>

### Wildlife Habitat on BLM Lands

As of 9/30/88.

District	Big Game Acres	Small Game Acres	Waterfowl Acres	Fishable Streams Miles
Lakeview	2,556,000	2,051,000	31,000	72
Burns	3,288,000	2,492,000	17,000	187
Vale	3,153,000	4,260,000	11,000	600
Prineville	1,295,000	1,481,000	10,000	323
Salem	405,000	405,000	14,878	603
Eugene	318,000	300,000	22	350
Roseburg	424,000	424,000	—	270
Medford	863,000	863,000	3,000	464
Coos Bay	280,000	300,000	100	344
<b>Ore. Total</b>	<b>12,582,000</b>	<b>12,576,000</b>	<b>87,000</b>	<b>3,324</b>
Spokane	275,000	308,000	4,000	121
<b>Total</b>	<b>12,857,000</b>	<b>12,884,000</b>	<b>91,000</b>	<b>3,445</b>

## Wildlife Habitat

### Wildlife Habitat Improvement

District	Brush Control Acres		Grass/Legume Seeding, Acres		Fencing Miles		Water Development Number		Other Wildlife Improvements	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Lakeview	670 <sup>1</sup>	—	300	—	5	5	4	3	21	—
Burns	—	—	100	90	8	6	4	5	—	23
Vale	—	—	—	15	7	8	—	—	6	1
Prineville	100 <sup>1</sup>	665 <sup>1</sup>	—	30	1	8	15	—	1	—
Salem	—	—	—	—	—	—	—	—	—	—
Eugene	—	—	46	—	—	—	1	—	—	—
Roseburg	—	—	—	—	—	—	—	—	—	—
Medford	—	—	—	625	—	—	—	—	2	13
Coos Bay	—	—	700	—	—	—	—	—	—	—
<b>Ore. Total</b>	<b>770</b>	<b>665</b>	<b>1,146</b>	<b>760</b>	<b>21</b>	<b>27</b>	<b>24</b>	<b>8</b>	<b>30</b>	<b>37</b>
Spokane	—	—	—	—	5	5	1	2	6	6
<b>Total</b>	<b>770</b>	<b>665</b>	<b>1,146</b>	<b>760</b>	<b>26</b>	<b>32</b>	<b>25</b>	<b>10</b>	<b>36</b>	<b>43</b>

<sup>1</sup>Prescribed Burn

<sup>2</sup>Artificial nest boxes

### 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		Reservoirs Acres	
	1987	1988	1987	1988	1987	1988	1987	1988	1987	1988
Lakeview	—	—	—	—	—	—	—	1	—	—
Burns	—	—	—	2.0	—	—	—	—	—	—
Vale	—	—	—	—	—	—	30	14	—	—
Prineville	—	—	—	—	—	—	3	—	—	—
Salem	—	—	3.0	—	—	—	264	—	—	—
Eugene	—	—	4.0	—	—	—	150	—	—	—
Roseburg	—	—	1.0	—	—	—	30	20	—	—
Medford	—	—	—	—	—	—	35	—	—	—
Coos Bay	—	—	—	—	—	—	33	—	—	—
<b>Ore. Total</b>	<b>—</b>	<b>—</b>	<b>8.0</b>	<b>2.0</b>	<b>—</b>	<b>—</b>	<b>545</b>	<b>35</b>	<b>—</b>	<b>—</b>
Spokane	—	—	—	—	—	—	2	2	—	—
<b>Total</b>	<b>—</b>	<b>—</b>	<b>8.0</b>	<b>2.0</b>	<b>—</b>	<b>—</b>	<b>547</b>	<b>37</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>Includes fish passage over waterfalls and dams and through culverts.

<sup>4</sup>Includes new projects and improvement of existing water.

## Recreation



Rafters float down the Owyhee River in southern Oregon during the river's peak spring flood.

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 Sites <sup>2</sup>	Special Recreation Use Permit	
	Number	Camp	Picnic Units	Fees		Number	Fees
Lakeview	2	62	14	\$1,788	20	29	\$8,251
Burns	3	41	11	—	6	1	2,062
Prineville	6	330	40	7,189	10	138	31,375
Vale	10	109	53	200	27	40	4,964
Salem	14	128	164	41,465	—	5	660
Eugene	4	62	37	14,100	1	—	—
Roseburg	7	88	64	11,947	4	1	10
Medford	8	101	70	7,111	32	90	107,150
Coos Bay	2	69	40	44,150	6	2	20
<b>Oregon Total</b>	<b>56</b>	<b>990</b>	<b>493</b>	<b>\$127,950</b>	<b>106</b>	<b>314</b>	<b>\$154,492</b>
Spokane	4	—	3	—	—	14	—
<b>Total</b>	<b>60</b>	<b>990</b>	<b>496</b>	<b>\$127,950</b>	<b>106</b>	<b>328</b>	<b>\$154,492</b>

<sup>1</sup> Sites which fully meet fee collection criteria set forth in Section 4(b) of the Land and Water Conservation Fund Act, whether or not fees were collected.

<sup>2</sup> Sites with some combination of sanitary facilities, water, fire containment, garbage cans or tables, which represent some type of management or maintenance commitment.

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

Use	Fiscal Year 1988	
	Oregon	Washington
Off-road vehicle travel	193,930	2,781
Other motorized travel <sup>2</sup>	891,785	160
Non-motorized travel <sup>3</sup>	244,605	163
Camping	672,490	3,845
Hunting	629,430	1,208
Recreation Site	693,510	142,444
Fishing	956,615	1,347
Boating	652,750	3,500
Winter sports	149,300	—
Other <sup>4</sup>	322,270	12,260
<b>Total</b>	<b>5,406,685</b>	<b>167,708</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, full day, or more.

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

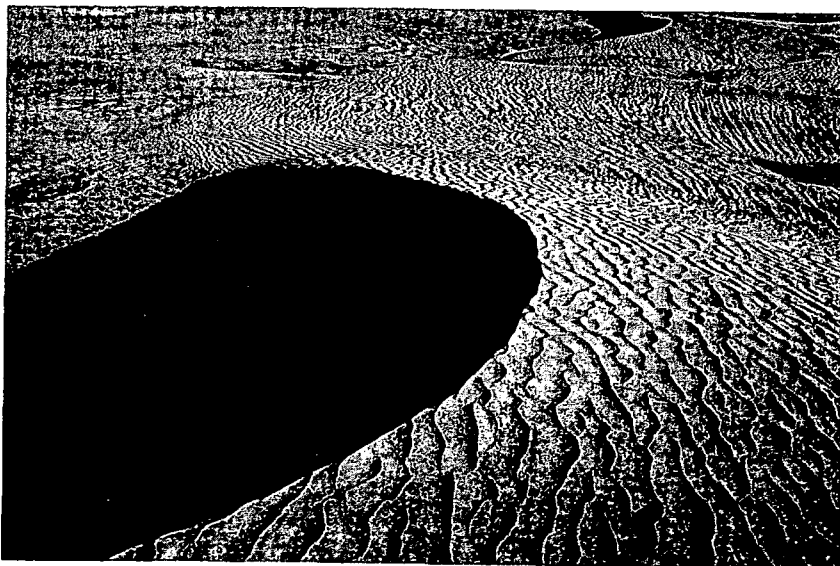
<sup>3</sup> Includes bicycling, horseback riding, backpacking, hiking and walking for pleasure.

<sup>4</sup> Includes sightseeing and water related activities outside of boating (swimming, etc.).

## Wilderness

Oregon has 1 BLM-managed wilderness area, Table Rock (approximately 5,500 acres), and 92 wilderness study areas (including 5 instant study areas) totalling 2.8 million acres.

Washington has 1 BLM-managed wilderness area, Juniper Dunes (approximately 7,140 acres), and 1 wilderness study area totalling 5,500 acres.



The sand dunes of Juniper Dunes National Wilderness Area provide a stunning view for visitors to the southern Washington area.

## 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 minerals management 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 1.6 million acres are currently leased for oil and gas, 429,885 for geothermal resources and 1,058 acres for coal. Approximately 107,204 mining claims have been filed for hard rock minerals such as gold and silver, of these 51,140 are active.

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

Claims:	11,711 recorded
Annual Filings:	32,350 assessments processed

Number of Claim Notices and Plans of Operations:	207
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Value of Mineral Material Production:	\$1.5 million
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### Solid Mineral Leases

Coal:	3
Uranium (Indian Lands):	3
Mineral Materials (Indian Lands):	14
Hard-Rock (Public Domain):	3

### Leasable Minerals Operations

Activity	State	
	Oregon	Washington
<b>Oil and Gas</b>		
Exploration Permits	—	10
Miles of Seismic Survey	—	10.2
No. of Wells Drilled	—	1
Total Footage Drilled	—	13,000
No. Unit Agreements	—	1
<b>Geothermal</b>		
No. of Wells Drilled	1 <sup>1</sup>	—
Total Footage Drilled	1,116 <sup>2</sup>	—
No. of Unit Agreements	3 <sup>3</sup>	—

<sup>1</sup>Includes holes drilled and completed in FY 1988, but may have been started in FY 1987.  
<sup>2</sup>Total footage, all holes.

<sup>3</sup>Units in effect October 31, 1988. They total about 260,411 acres within 139 leases

# Minerals and Energy

## Minerals

Item	Oregon		Washington	
	FY 1987	FY 1988	FY 1987	FY 1988
Mineral Patents Issued	—	3	—	—
Coal Leases Issued, Acres	—	—	—	—
Coal Leases in Force, Acres	5,430	538	521	521
Oil & Gas Leases Issued, Acres	49,933	289,125	35,275	65,715
Oil & Gas Leases in Force, Acres	814,959	876,135	721,940	717,140

## Geothermal Leases in Effect September 30, 1988

Oregon		Washington	
Number	Acreage	Number	Acreage
Oregon Forest Service	224 412,477	Washington FS	—
Oregon BLM	9 17,408	Washington BLM	—
<b>Total Oregon</b>	<b>233 429,885</b>	<b>Total Washington</b>	<b>—</b>

## Federal Lands Available for Mining and Mineral Leasing As of 9-30-88.

	Oregon		Washington	
	Acres Open	Acres Closed	Acres Open	Acres Closed
Location and Entry Under the Mining Laws <sup>1</sup>	28,890,000	4,710,000	6,330,000	5,300,000
Application and Offer Under the Mineral Leasing Laws <sup>1,2</sup>	29,674,000	6,166,000	6,318,000	5,312,000

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

<sup>2</sup>Acreage 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 and public land laws and mineral laws.

## Fire Management

BLM's electronic lightning detection system instantly plots cloud-to-ground lightning strikes, thus permitting prompt suppression of lightning-caused fires. On the other hand, 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 1988.

	Human Caused		Lightning Caused		Total	
	No. of Fires	BLM Acres Burned	No. of Fires	BLM Acres Burned	Number Fires	BLM Acres Burned
Lakeview	8	3	58	38	66	41
Burns	14	2,703	22	503	36	3,206
Vale	23	1,528	23	2,486	46	4,014
Prineville	9	761	50	167	59	928
Salem	10	30	—	—	10	30
Eugene	5	27	—	—	5	27
Roseburg	7	299	13	35	20	334
Medford	30	356	25	1,507	55	1,863
Coos Bay	7	37	2	—	9	37
<b>Oregon Total</b>	<b>113</b>	<b>5,744</b>	<b>193</b>	<b>4,736</b>	<b>306</b>	<b>10,480</b>
Spokane	9	4,274	2	81	11	4,355
<b>Total</b>	<b>122</b>	<b>10,018</b>	<b>195</b>	<b>4,817</b>	<b>317</b>	<b>14,835</b>

## Average Number of Fires Annually During Five Years, 1982-1986

Human Caused:	Lightning Caused:
Number	Number
BLM Acres	BLM Acres
105	293
20,917	171,418
<b>Total Fires for 5 Years:</b>	<b>1,981</b>
<b>Total BLM Acres for 5 Years:</b>	<b>857,091</b>

## Average Number of Fires Annually During Ten Years, 1977-1986

Human Caused:	Lightning Caused:
Number	Number
BLM Acres	BLM Acres
118	261
20,986	98,037
<b>Total Fires for 10 Years:</b>	<b>3,793</b>
<b>Total BLM Acres for 10 Years:</b>	<b>1,190,027</b>

## Support

### Numbers of Fires by Size Class During 1988

Size Class	Number
A (0-.25 acres)	149
B (.26-9 acres)	99
C (10-99 acres)	29
D (100-299 acres)	10
E and larger (300 acres and over)	21
False Alarms	37

### Prescribed Fire Statistical Summary

Prescribed Fires	Forestry Site Prep	Wildlife	Hazard Reduct.	Range	Water-shed	Other	Total Acres	Escaped Number	Fires Acres
<b>Eastern Oregon &amp; Washington</b>									
Lakeview 4	680	—	360	—	—	—	1,040	—	—
Burns	—	—	—	—	—	—	—	—	—
Vale	—	—	—	—	—	—	—	—	—
Prineville 3	100	—	—	—	1,042	—	1,042	—	—
Spokane	—	—	—	—	—	—	—	—	—
<b>Total</b>	<b>7</b>	<b>780</b>	<b>—</b>	<b>360</b>	<b>—</b>	<b>1,042</b>	<b>—</b>	<b>2,182</b>	<b>—</b>
<b>Western Oregon</b>									
Salem 80	2,181	—	—	—	—	—	2,181	5	29
Eugene 64	1,915	—	—	—	—	—	1,195	3	45
Roseburg 102	2,666	—	—	—	—	—	2,666	3	73
Medford 96	2,702	—	—	—	—	—	2,702	3	8
Coos Bay 119	3,581	—	—	—	—	—	3,581	4	11
<b>Total</b>	<b>461</b>	<b>13,045</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13,045</b>	<b>18</b>	<b>166</b>
<b>Oregon &amp; Washington</b>									
<b>Total</b>	<b>468</b>	<b>13,815</b>	<b>—</b>	<b>360</b>	<b>—</b>	<b>1,042</b>	<b>—</b>	<b>15,227</b>	<b>18</b>

### State 5-year Average (FY 1983-1987)

Average Number of Projects:	526
Average Acres Treated:	
Forestry	12,960
Wildlife	706
Hazard Reduction	746
Range	6,718
Watershed	1,284
Other	460

<b>Total Projects for 5 Years:</b>	<b>2,630</b>
<b>Total Acres Treated for 5 Years:</b>	<b>114,271</b>

## Roads

The BLM road transportation system in Oregon as of 9/30/88 totaled 27,039 miles — 17,809 miles in western Oregon and 9,230 miles in eastern Oregon. Washington has 100 miles.

Appropriated-fund-constructed mileage has stayed at 1,109 miles (312 miles in eastern Oregon, 797 miles in western Oregon) since 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.

### Transportation System — Roads and Bridges

District	Construction						Maintenance		
	Roads (Miles)			Road Bridges (No.)			Roads (Miles)		
	FY1987 <sup>1</sup>	FY1988	Total	FY1987 <sup>2</sup>	FY1988	Total	By BLM	By Others	Not Maintained
Lakeview	2,437	—	2,437	5	—	5	243	—	2,194
Burns	3,090	—	3,090	4	—	4	65	—	3,025
Vale	2,533	—	2,533	—	—	—	235	43	2,255
Prineville	1,170	—	1,170	7	—	7	126	60	984
<b>Total E. Ore.</b>	<b>9,230</b>	<b>—</b>	<b>9,230</b>	<b>16</b>	<b>—</b>	<b>16</b>	<b>669</b>	<b>100</b>	<b>8,461</b>
Lakeview <sup>1</sup>	381	14	395	—	—	—	22	137	236
Salem	3,959	15	3,974	74	—	74	765	76	3,133
Eugene	2,551	36	2,587	42	—	42	1,100	136	1,351
Roseburg	3,265	90	3,355	67	—	67	1,015	300	2,040
Medford	4,814	22	4,836	67	—	67	1,400	1,289	2,147
Coos Bay	2,632	30	2,662	79	2 <sup>2</sup>	81	1,181	80	1,401
<b>Total W. Ore.</b>	<b>17,602</b>	<b>207</b>	<b>17,809</b>	<b>329</b>	<b>2</b>	<b>331</b>	<b>5,483</b>	<b>2,018</b>	<b>10,308</b>
<b>Ore. Total</b>	<b>26,832</b>	<b>207</b>	<b>27,039</b>	<b>345</b>	<b>2</b>	<b>347</b>	<b>6,152</b>	<b>2,118</b>	<b>18,769</b>
Spokane	131	2	133	1	—	1	—	—	133
<b>Total</b>	<b>26,963</b>	<b>209</b>	<b>27,172</b>	<b>346</b>	<b>2</b>	<b>348</b>	<b>6,152</b>	<b>2,118</b>	<b>18,902</b>

<sup>1</sup>District boundary change resulted in O&C lands within Lakeview District.

<sup>2</sup>Portable bridges installed.

<sup>3</sup>This table was revised for the current publication. The figures shown for FY 1987 are to be interpreted as base data only; not units of work performed in that fiscal year.

### Rights of Way

Right of way permits issued by the Oregon State Office during the 1987 and 1988 fiscal years. (Does not include permits for logging roads in western Oregon.)

Kind	Oregon		Washington	
	FY 1987	FY 1988	FY 1987	FY 1988
Energy Related <sup>1</sup>	13	21	2	3
Non-energy Related <sup>2</sup>	86	138	8	8
<b>Total</b>	<b>99</b>	<b>159</b>	<b>10</b>	<b>11</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.

## Support

### Roads Maintained

In FY 1988, 8,340 miles, or about 1/3 of the 26,400-mile BLM transportation system, were maintained. This included 5,500 miles of road in western Oregon and 700 miles in eastern Oregon maintained by BLM; and 1,900 miles on the west side and 240 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.

### 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 1987	FY 1988	FY 1987	FY 1988
Lakeview	—	—	—	—
Burns	4	4	—	1
Vale	—	—	—	—
Prineville	—	34	—	—
Salem	15	24	—	—
Eugene	16	19	1	1
Roseburg	11	6	1	—
Medford	29	31	2	10
Coos Bay	10	15	—	1
<b>Oregon Total</b>	<b>85</b>	<b>133</b>	<b>4</b>	<b>13</b>
Spokane	1	2	—	—
<b>Total</b>	<b>86</b>	<b>135</b>	<b>4</b>	<b>13</b>

### Road Right of Way Easements and Lands Acquired

District	FY 1987		FY 1988	
	Direct Purchase	Eminent Domain	Direct Purchase	Eminent Domain
Lakeview	9	—	—	—
Burns	—	—	—	—
Vale	3	—	4	—
Prineville	—	—	—	—
Salem	3	—	4	—
Eugene	8	—	3	—
Roseburg	20	—	12	—
Medford	7	1	13	—
Coos Bay	4	—	5	—
Spokane	—	—	3	—
<b>Total</b>	<b>54</b>	<b>1</b>	<b>44</b>	<b>—</b>

## Support

### Other Acquisitions

District	FY 1987		FY 1988	
	Direct Purchase	Eminent Domain	Direct Purchase	Eminent Domain
Burns—Steens Mtn. Rec. Area	1	—	1	—
Spokane—Juniper Dunes	—	—	—	—
Wilderness	1	—	—	—
Riparian Habitat	1	—	1	—
Vale - Owyhee	—	—	—	—
Wild and Scenic River	1	—	2	—
<b>Total</b>	<b>4</b>	<b>—</b>	<b>4</b>	<b>—</b>

### Lands

The Lands program includes the processing of lands and minerals application (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.

### Withdrawal Review Recommendations

	Reviewed in FY 1988					
	Revoke		Continue		Totals	
	No.	Acres	No.	Acres	No.	Acres
<b>Oregon</b>						
Withdrawals	18	21,598	18	21,599	36	43,197
Land Classifications	—	—	—	—	—	—
<b>Washington</b>						
Withdrawals	17	53,985	10	4,944	27	58,929
Land Classifications	—	—	—	—	—	—
<b>Total</b>	<b>35</b>	<b>75,583</b>	<b>28</b>	<b>26,543</b>	<b>63</b>	<b>102,126</b>

	Total Reviewed Since October 21, 1976					
	Revoke		Continue		Totals	
	No.	Acres	No.	Acres	No.	Acres
<b>Oregon</b>						
Withdrawals	403	930,873	114	432,121	517	1,362,994
Land Classifications	87	9,544,120	61	3,893,612	148	13,437,732
<b>Washington</b>						
Withdrawals	224	910,223	51	10,415	275	920,638
Land Classifications	18	24,379	19	1,690	37	26,069
<b>Total</b>	<b>732</b>	<b>11,409,595</b>	<b>245</b>	<b>4,337,838</b>	<b>977</b>	<b>15,747,433</b>

## Support

### Lands Transferred Between BLM and Other Federal Agencies

	FY 1987 Acres	FY 1988 Acres
<b>Oregon</b>		
Jurisdiction Transferred to BLM	—	—
Jurisdiction Transferred from BLM	1,338	9,812
<b>Washington</b>		
Jurisdiction Transferred to BLM	—	—
Jurisdiction Transferred from BLM	1,708	—

### Land Leases

In effect 9-30-87.

Kind	Oregon		Washington	
	Number	Acres	Number	Acres
Recreation & Public Purposes Act	46	3,242	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	100	32,816	3	52
<b>Total</b>	<b>164</b>	<b>36,279</b>	<b>16</b>	<b>1,930</b>

### Land Leases

In effect 9-30-88.

Kind	Oregon		Washington	
	Number	Acres	Number	Acres
Recreation & Public Purposes Act	45	3,232	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	106	32,849	7	130
<b>Total</b>	<b>169</b>	<b>36,302</b>	<b>20</b>	<b>2,008</b>

## Support

### Lands Received by BLM

	FY 1987 Acres	FY 1988 Acres
<b>Oregon</b>		
Exchanges	22,225	28,367
Reconveyance of Recreation & Public Purposes Act Land	—	—
Acquisitions in Fee	5,500	923
<b>Total</b>	<b>27,725</b>	<b>29,290</b>

### Washington

Exchanges	—	—
Reconveyance of Recreation & Public Purposes Act Land	—	1
Acquisition in Fee	435	—
<b>Total</b>	<b>435</b>	<b>1</b>

<b>Grand Total</b>	<b>28,160</b>	<b>29,291</b>
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## 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 1987		FY 1988	
	Oregon	Washington	Oregon	Washington
Miles of Line Retraced or Surveyed	622	210	625	230
Corners Monumented	972	436	1,016	380
Tracts Accepted	65	16	57	15

# Support

## Land Patents Issued

Kind of Patent	FY 1987		FY 1988	
	No.	Acres	No.	Acres
<b>Oregon—BLM</b>				
Public Sale	12	1,293	11	148
Recreation & Public Purposes Act	—	—	2	50
Exchange	7	5,494	9	17,132
Railroad Grant	—	—	—	—
Mining Claim Patent	—	—	3	90
Color of Title Patent	—	—	2	41
Airport Conveyance Patent	1	160	—	—
Act of Congress Patent (PL 98-137)	—	—	—	—
Conveyance of Federally Owned Minerals	—	—	—	—
Supplemental Exchange Patent	—	—	—	—
<b>Total</b>	<b>20</b>	<b>6,947</b>	<b>27</b>	<b>17,461</b>
<b>Oregon—Other Agency</b>				
Indian Fee Patents	27	1,293	—	—
National Forest Exchange	6	10,953	4	20,394
Reclamation Sale	1	40	—	—
Wildlife Refuge Exchange	—	—	—	—
Curative Forest Exchange	—	—	—	—
<b>Total</b>	<b>34</b>	<b>12,286</b>	<b>4</b>	<b>20,394</b>
<b>Washington—BLM</b>				
Exchange	—	—	—	—
Public Sale	—	—	1	1
Townsite Patent	—	—	—	—
Mining Claim Patent	—	—	—	—
Airport Conveyance Patent	—	—	—	—
Recreation & Public Purposes Act	1	—	—	—
State Lieu Selection Clear List	—	—	—	—
State Quantity Grant Clear List	—	—	—	—
Railroad Grant	2	193	—	—
Conveyance of Federally Owned Minerals	7	3,012	—	—
Confirmatory Patent for State Grants	8	120,593	—	—
Color of Title Patent	—	—	—	—
Supplemental Sale Patent	1	40	—	—
<b>Total</b>	<b>19</b>	<b>123,838</b>	<b>1</b>	<b>1</b>
<b>Washington—Other Agency</b>				
Indian Fee and Re-issue Trust	8	413	5	316
National Forest Exchange	6	13,058	3	1,575
Corrective Forest Homestead Patent	—	—	—	—
Curative Indian Fee	—	—	—	—
National Park Exchange	—	—	1	1,007
<b>Total</b>	<b>14</b>	<b>13,471</b>	<b>9</b>	<b>2,898</b>
<b>Total - BLM</b>	<b>39</b>	<b>130,785</b>	<b>28</b>	<b>17,462</b>
<b>Total - Other Agency</b>	<b>48</b>	<b>25,757</b>	<b>13</b>	<b>23,292</b>

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under United States Administration.



BLM-OR-AE-88-10-1792



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DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
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