

DIVISION OF FORESTRY
1986 ANNUAL REPORT



FIRE MANAGEMENT

I. Synopsis:

Within the state's 134 million acre protection area the 1986 fire season produced the highest number of incidents in the history of state protection. A total of 611 responses were required which included 20 search and rescue missions. A total of 85,252 acres burned. Statewide, considering only state, private, and municipal land, there were 556 fires for 161,687 acres burned. Eighty percent of all fires in the state protection area were in the "critical" and "full" protection classifications which directly influence life, property, and high value natural resources.

It is significant to point out the Division met the higher than normal workload, which included 10 project size fires handled simultaneously, without fatality or serious accident. The use of highly trained personnel must be given the larger share of credit for this excellent record.

Reference fire season statistics for detail.

II. Program Emphasis

Organizational Preparedness

The highest priority was given to stabilizing the fire management workforce to achieve maximum program efficiency at the lowest total program cost. Through an intensive strength-of-force analysis the Division determined that \$7.3 million in preparedness would produce the lowest average suppression cost of \$6.0 million. This totals an expected average annual cost of \$13.3 million for the total protection program.

Adjustments were made in authority to use the suppression fund for preparedness up to a maximum of \$2.3 million and achieve a "baseline" preparedness level. However, the Division's authorization for general funds was reduced and therefore, placed the preparedness level \$650,000 below the optimum "baseline" level. The reduction impacted personnel availability, training, and equipment purchase. The result was clearly evident when the Division had to request out-of-state support for taking care of what should have been routine, or average fire activity, early in the season.

In total, the Division expended over \$12 million in suppression costs and approximately \$5 million in general funds for a total program cost of approximately \$17 million. Of that amount, approximately \$1.8 million was interagency support cost beyond cooperative protection requirements.

Retaining funding at the optimum level for preparedness will continue to be a high priority Division goal.

Interagency Activity

The past achievements in tailoring the Division's operations to be compatible with federal agencies returned dividends in much needed support during the peak fire period. Forestry forces were supplemented with personnel, equipment, and supplies from other states, the U.S. Forest Service and the Bureau of Land Management. In the latter part of the season the Division reciprocated and sent support to the lower 48. This reciprocal support capability is one of the most valued assets of interagency cooperation as it reduces total in-house preparedness requirements and offers additional employment opportunities to Alaska residents.

The primary element which allows this effective exchange is the strict adherence to the National Interagency Incident Management System.

1986 Fire Season

The 1986 fire season was very active during the months of June and July in the interior. Much of the state had very little snow pack at the beginning of the season, which meant that fuels in the interior were very dry early in the year. On June 15, 19 of 22 reporting weather stations around the state were recording one hour fuel moistures as low as 3 percent. Fuel moistures of 10 percent or less were routinely reported until the second week of July when some moisture began to move into the state.

In mid-June, the activity level picked up significantly. Lightning activity was at record highs in the northeastern part of the state, averaging over 2,000 lightning strikes a day for 10 days. The result was over 237 fires and 142,560 acres burned with 10 project size fires manned simultaneously statewide. Such extreme fire conditions had a severe impact on the fire suppression agencies within Alaska. The Boise Interagency Fire Center (BIFC) and the Western states provided the additional support needed in overhead personnel, communications equipment, supplies, retardant and infrared aircraft. The Division received 129 overhead personnel and 3 retardant aircraft from the lower 48. Extreme burning conditions prevailed throughout June and early July. The conditions prompted management to make decisions such as: providing fire shelters to all persons working on the fire line; smokejumper initial attacking fires with 16 people in an attempt to contain the fires at 10 acres or less; reevaluating and changing a large land mass in the interior from modified to limited protection because of the critical shortage of initial attack resources. At the height of the fire season there were 83 EFF crews in the field at one time on both state and AFS fires. This number consisted of designated EFF crews and secondary EFF crews. Of the 73 crews on the list, only 4 were not used because of their unavailability at call-up.

As fire activity ceased in Alaska, it began in the lower 48. During the month of August, the Division provided support to the lower 48 with 33 overhead personnel and 8 EFF crews.

The Tok Area remained relatively dry during the later part of July, August, and into September. This resulted in 20 fires caused by hunters and tourists throughout September.

With the coming of October, so came the end of what was the most active fire season since 1974. Without the cooperative efforts of the agencies throughout Alaska and the lower 48, this intense fire season would have been much worse.

1986 Fire Statistics

Number of fires in state protection area - 591
 Number of acres burned in state protection area - 85,252
 Number of fires on actual state/private land - 556
 Number of acres burned on state/private land - 161,687.6

Number of fires and acres burned by protection levels within state protection area.

	<u>No. Fires</u>	<u>% Fires</u>	<u>Acres Burned</u>
Critical	275	47%	424.2
Full	193	33%	11,894.1
Modified	59	10%	36,668.2
Limited	58	9%	36,265.2
Unplanned	6	1%	.3

(Does not include search & rescue responses)

Number of search and rescues responses - 20

Total number of incident responses for 1986 - 611

DOF manpower statistics

I. Non-DOF people used in Alaska:

Overhead personnel (lower 48)	- 129
Overhead personnel (Agencies within AK)	- 76
Retardant A/C (lower 48)	- 3

II. Personnel sent to lower 48:

Overhead personnel (DOF)	- 33
EFF type II crews (19 ea crew)	- 8

1986 Crew Use

Number of DOF crews used instate - 25

Totals: 50 assignments 644 days 12.9 days
 per crew per assignment

Number of AFS/DOF crews used instate - 68

Totals: 129 assignments 1,602 days 12.4 days
 per crew per assignment

1986 Burn Permits

		<u>No. Issued</u>
Mat-Su Area Office	-	331
Fire Department	-	307
Kenai Area Office	-	630
Soldotna VFD	-	62
Nikiski VFD	-	184
Copper River Area Office	-	190
Southwest Area	-	0
Fairbanks	-	1,843
Delta	-	403
Tok	-	74

The following villages from the rotation list were not used due to the unavailability of enough qualified crew members at the time of mobilization: Haines and Nenana. In addition to the crews from the crew list, many other crews were used. At the height of the fire season there were approximately 83 crews in the field at the same time on both state and AFS fires.

Number of DOF crews used outside - 8
 No. of EFF crews from crew list - 7
 No. of EFF crews not on crew list - 1

1986 EFF Payroll Totals

<u>Village</u>	<u>BLM Gross</u>	<u>State Gross</u>
Allakaket	\$ 118,325	\$ 0
Ambler	2,213	25,000
Anchorage	0	45,780
Anchor Pt.	0	60
Aniak	17,693	43,560
Arctic Village	9,601	8,920
Beaver	30,011	22,250
Bettles	732	0
Big Lake	0	8,600
Buckland	34,134	0
Central	9,589	0
Chalkyitsik	28,423	0
Chevak	1,611	82,490
Circle City	7,368	14,290
Clam Gulch	0	2,390
Copper River	56,717	57,460
Delta	106,026	232,710
Eagle	40,042	18,100
Eagle River	0	3,440
Fairbanks	317,982	505,180

<u>Village</u>	<u>BLM Gross</u>	<u>State Gross</u>
Fort Yukon	266,071	16,500
Galena	44,248	1,570
Glennallen	0	4,450
Grayling	0	11,740
Gulkana	0	23,750
Holy Cross	21,627	2,340
Homer	0	6,750
Hooper Bay	6,011	178,710
Hughes	69,185	0
Huslia	76,563	29,950
Kalskag	4,782	103,460
Kaltag	56,105	44,740
Kenai	0	5,630
Kiana	113,322	1,760
Koyuk	50,188	27,140
Koyukuk	61,520	1,090
McGrath	25,153	96,780
Mentasta	0	69,860
Minchumina	21,563	0
Minto	113,972	47,230
Nenana	2,958	8,560
Nikolai	3,102	43,620
Nondalton	0	51,500
Noorvik	35,257	31,540
Northway	50,784	85,530
Nulato	112,161	14,910
Palmer	0	41,110
Pilot Station	63,159	0
Rampart	110,241	0
Ruby	19,374	4,320
Selawik	80,024	0
Seward	0	4,340
Shageluk	14,909	0
Shungnak	77,117	0
Sleetmute	3,878	4,500
St. Mary's	45,007	0
St. Michael's	16,944	31,120
Stebbins	62,688	45,820
Sterling	0	200
Stevens Village	31,318	13,260
Tanacross	0	77,190
Tanana	165,456	40,430
Tetlin	51,707	37,840
Tok	56,996	178,750
Unalakleet	0	290
Venetie	74,780	37,040
Wasilla	43,571	0
<hr/>		
Subtotal	\$2,832,208	\$2,495,550
Grand Total		\$5,327,758

RESOURCE MANAGEMENT

During calendar year 1986, approximately \$234,000 were generated from the harvest of 19 million board feet of forest products from state lands. This is an increase of approximately six million board feet over the previous year. This increase in production is attributed primarily to the operations at Icy Bay, which produced 10 million board feet of saw and pulp logs. With the start up of operations at Icy Bay approximately three and one-half miles of main haul road were constructed and five bridges were reconstructed.

Timber salvage is continuing on the Rosie Creek burn, but at a much slower pace. The majority of the timber that is suitable for dimension lumber has been removed and the remaining timber is only suitable for heavy timbers or firewood.

The Delta Forestry personnel have been busy preparing salvage sales in the Rapid Creek burn area. Eleven sales for 2.2 million board feet will be offered for competitive bidding during the first quarter of calendar year 1987. The removal of this timber will be over 17 miles of winter road.

The Tok Area Office is also involved with the salvage of saw timber from the Porcupine burn area. One sale for 1.4 million board feet was offered in the fall of 1986. This timber will be hauled over an ice bridge.

Very little timber harvest took place on state land in Southeast Alaska. The majority of timber offered was in the form of small sales for independent operations.

Reforestation

The majority of the state's site preparation and reforestation took place in the Northern Region where 204 acres of cutover land were scarified with the TTS-35 Disc Trencher Scarifier. In addition to the scarification, 250,000 seedlings were planted on 289 acres of cutover land.

1986 ACHIEVEMENTS

- I. Haines Inventory - Automation of the 90 field plot data collected in 1985 was completed. Volume estimates are now available on a per acre basis in the HSFRMA. Final forest-wide volume estimates will be available when automation of maps is completed by the USDA Soil Conservation Service.
- II. Susitna Inventory - Approximately 50 percent of the Big Lake Working Circle was photo interpreted for forest type. When completed this project will provide detailed forest type maps.
- III. Cape Yakataga Inventory - Automation of the 250 field plot data collected in 1983 and 1984 was completed. Volume estimates are now available on a per acre basis in the Icy Bay - Cape Yakataga area. Automation of map data was done by Division personnel in cooperation with the North Slope Borough and DGGs.

- IV. Tanana Valley State Forest Management Plan Resource analysis was completed in 1986 for the TVSF. Management alternatives were developed and key issues resolved within the TVSF planning team including location of many roads, campground, and trails. In 1987 government agencies will be invited to comment on a draft plan as well as the public.
- V. Haines State Forest Resource Management Area - Management Plan - The HSFRMAMP was completed and signed by the Commissioner on May 29, 1986.

RESOURCE MANAGEMENT PROGRAM SUMMARY

CY 86

FIRE MANAGEMENT

Fire Incidents	611
Acres Burned	85,252.0
Burning Permits Issued	4,024

RESOURCE MANAGEMENT

Area/Forest Management Plans	1
Log Brands Administered	56
Timber Sale Inspections	101
Sale Contracts Executed	86
Log Salvage Licenses Issued	11
Miles of Road Maintained	75
Miles of Road Constructed	30.3
Miles of Road Upgraded	0

FORESTRY ASSISTANCE

Forest Practice Notifications	166
Forest Practice Inspections	133
Forest Practice Training Sessions	0
Alaska Coastal Management Project Reviews	103
Urban Forestry Reports	0

REFORESTATION

Seedlings Grown	400,000
Hardwood Cuttings Grown	0
Sacks of Cones Collected	40
Pounds of Seed Processed	17
Acres Surveyed for Regeneration	290
Acres Scarified	372
Acres Planted	300
Seedlings Planted	265,900

FISCAL YEAR STATISTICAL REPORT
DIVISION OPERATING BUDGET

FUNDING SOURCES:	FY85	FY86	FY87
General Funds	\$8,543,000	\$8,083,000	\$6,745,300
Federal Funds	26,000	290,000	476,000
Other Funds	<u>13,900</u>	<u>49,800</u>	<u>723,500</u>
TOTAL	\$8,582,900	\$8,422,800	\$7,944,800

	PROGRAM EXPENDITURES	REVISED AUTHORIZATION
RESOURCE MANAGEMENT:		
Icy Bay	139,300	40,000
Forest Stewardship (Timber Sale Prep)	458,700	461,800
Forest Stewardship/Fed (Timber Sale Prep/Fed)	5,500	8,000
Small Timber Sales	683,800	1,058,400
Haines State Forest	240,300	122,100
Tanana Valley State Forest	66,100	61,900
Fairbanks Firewood Access	52,600	0
Tyonek	<u>0</u>	<u>44,600</u>
SUBTOTAL	\$1,646,300	\$1,796,800
FORESTRY ASSISTANCE:		
State Forest Nursery	134,000	52,100
Forest Practices	362,500	247,200
Forest Practices/Fed	<u>18,400</u>	<u>39,500</u>
SUBTOTAL	\$ 514,900	\$ 338,800
FIRE MANAGEMENT:		
Presuppression/Alaska	739,900	631,900
Presuppression/McGrath	679,200	0
Presuppression/Northern	1,812,300	1,725,400
Presuppression/Southcentral	2,292,400	2,534,400
Rural Community Fire Protection	54,300	57,000
Presuppression/Fed	<u>79,500</u>	<u>* 254,400</u>
SUBTOTAL	\$5,657,600	\$5,320,200
FORESTRY ADMINISTRATION:		
Forestry Administration	597,800	** 609,800
Student Interns	59,400	*** 51,200
Forestry CZM	13,900	22,000
Forestry Data Processing	31,100	30,800
Interdivisional Assistance	<u>61,900</u>	<u>+++ 0</u>
SUBTOTAL	\$ 764,100	\$ 489,000
GRAND TOTAL	\$8,582,900	\$8,422,800

* Includes \$26,800 of General Funds.

** Includes \$27,800 I-A Receipts from Fire Supp Fund for Div. of Mgmt., Acct Clk.

*** FY86 expenditures shown are non-add and are included/transferred permanently into Presuppression/SC.

+ All funds transferred into Presuppression Southcentral Project.

++ All funds transferred into Forest Administration project.

+++ All funds transferred into Forest Stewardship project.

A P P E N D I X

TRAINING SUMMARY - CY 1986

FIRE TRAINING

<u>Type of Training</u>	<u>Number of Courses</u>	<u>Participants</u>
Emergency Fire Fighter	15	327
Wildfire for Fire Department	18	172
Initial Attack	15	136
Extended Attack	29	130
Fire Management	21	94
Totals	98	859

RESOURCE TRAINING

<u>Type of Training</u>	<u>Number of Courses</u>	<u>Participants</u>
Technical Training	5	24
Forest Management	3	26
Totals	8	50

PERSONNEL MANAGEMENT

<u>Type of Training</u>	<u>Number of Courses</u>	<u>Participants</u>
Administrative and Clerical	5	12
Supervision and Management	22	76
First Aid and Safety	6	75
Computer Management	5	13
Totals	38	176
GRAND TOTALS	144	1,085

CONTRACTS ISSUED AND VOLUME SOLD BY AREA - CY 1986

NORTHERN REGION

COMMERCIAL SALES

<u>AREA</u>	<u>NO.</u> <u>CONTRACTS</u>	<u>CORDS</u>	<u>MBF</u>
Fairbanks	22	6,229	2,915
Delta	6	125	147
Tok	<u>8</u>	<u>1,689</u>	<u>1,388</u>
REGIONAL TOTAL	36	8,043	4,450

PERSONAL USE SALES

<u>AREA</u>	<u>NO. PERMITS</u>	<u>LINEAL FEET</u> <u>HOUSE LOGS</u>	<u>NO. PERMITS</u>	<u>CORDS</u>
Fairbanks	10	27,720	1,019	5,282
Delta	1	1,242	115	796
Tok	<u>2</u>	<u>6,000</u>	<u>94</u>	<u>920</u>
REGIONAL TOTAL	13	34,962	1,228	6,998

SOUTHCENTRAL REGION

COMMERCIAL SALES

<u>AREA</u>	<u>NO.</u> <u>CONTRACTS</u>	<u>CORDS</u>	<u>MBF</u>
Kenai	5	403	498
Mat-Su	6	1,740	2,089
Glennallen	<u>3</u>	<u>215</u>	<u>-</u>
REGIONAL TOTAL	14	2,358	2,587

PERSONAL USE SALES

<u>AREA</u>	<u>NO.</u> <u>PERMITS</u>	<u>HOUSE</u> <u>LOGS</u>	<u>NO.</u> <u>PERMITS</u>	<u>CORDS</u>	<u>NO.</u> <u>PERMITS</u>	<u>MBF</u>
Kenai	2	3,000	80	302	1	10
Mat-Su	12	9,299	272	1,011	5	17
Glennallen	<u>4</u>	<u>2,074</u>	<u>18</u>	<u>76</u>	<u>-</u>	<u>-</u>
REGIONAL TOTAL	18	14,373	370	1,389	6	27

CONTRACTS ISSUED AND VOLUME SOLD BY AREA - CY 1986

SOUTHEAST REGION

COMMERCIAL SALES

<u>AREA</u>	<u>NO.</u> <u>CONTRACTS</u>	<u>CORDS</u>	<u>MBF</u>	<u>BEACH LOG</u> <u>SALVAGE LICENSES</u>
Haines	2	-	163	-
Juneau	-	-	-	-
Ketchikan	1	107	-	6
Petersburg	<u>1</u>	<u>-</u>	<u>261</u>	<u>5</u>
REGIONAL TOTAL	4	107	424	11

PERSONAL USE SALES

<u>AREA</u>	<u>NO.</u> <u>PERMITS</u>	<u>HOUSE</u> <u>LOGS</u>	<u>NO.</u> <u>PERMITS</u>	<u>CORDS</u>	<u>NO.</u> <u>PERMITS</u>	<u>MBF</u>
Haines	-	-	36	310	3	93
Juneau	-	-	1	5	2	10
Ketchikan	-	-	21	10	1	18
Petersburg	<u>1</u>	<u>1,500</u>	<u>-</u>	<u>-</u>	<u>1</u>	<u>2</u>
REGIONAL TOTAL	1	1,500	58	325	7	123

CONTRACTS ISSUED BY TYPE AND AREA - CY 1986

	COMMERCIAL USE			PERSONAL USE		
	<u>Fuelwood Sales</u>	<u>Sawlog Sales</u>	<u>Beachlog Salvage</u>	<u>Fuelwood Permits</u>	<u>Houselog Sales</u>	<u>Sawlog Sales</u>
Northern Region						
Fairbanks	12	10	0	1,019	10	0
Delta	2	4	0	115	1	0
Tok	<u>5</u>	<u>3</u>	<u>0</u>	<u>94</u>	<u>2</u>	<u>0</u>
Total	19	17	0	1,228	13	0
Southcentral Region						
Mat-Su	2	4	0	272	12	0
Kenai	2	3	0	80	2	0
Copper River	2	1	0	18	4	0
McGrath	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	6	8	0	370	18	0
Southeast Region						
Juneau	0	0	0	1	0	0
Haines	0	2	0	36	0	0
Ketchikan	1	0	6	21	0	0
Petersburg	<u>0</u>	<u>1</u>	<u>5</u>	<u>0</u>	<u>1</u>	<u>0</u>
Total	1	3	11	58	1	0
Grand Total	26	28	11	1,656	32	0

NUMBER OF CONTRACTS ISSUED BY CY

Year	COMMERCIAL USE			PERSONAL USE		
	<u>Fuelwood</u>	<u>Sawlogs</u>	<u>Beachlog Salvage</u>	<u>Fuelwood</u>	<u>Houselogs</u>	<u>Sawlogs</u>
1986	26	28	11	1,656	32	0
1985	25	33	8	1,957	52	19
1984	30	44	28	4,088	55	19
1983	22	34	15	3,779	61	31
1982	42	42	30	2,714	65	38
1981	26	44	24	3,295	80	44
1980	0	43	0	2,215	8	86

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FORESTRY

CUT AND SOLD REPORT
CY 86
VOLUME - MBF SCRIBNER

<u>VOLUME AND VALUE CUT</u>					<u>VOLUME AND VALUE SOLD</u>			
<u>REGION</u>	<u>SAWTIMBER</u>	<u>OTHER PRODUCTS*</u>	<u>VOLUME</u>	<u>VALUE</u>	<u>SAWTIMBER</u>	<u>OTHER PRODUCTS*</u>	<u>VOLUME</u>	<u>VALUE</u>
Northern	3,321.0	1,683.0	5,004.0	\$ 83,406.00	11,795.0	2,681.0	14,476.0	\$156,024.00
Southcentral	1,228.0	4,237.0	5,465.0	60,073.00	2,643.0	1,876.0	4,519.0	77,838.00
Total	4,549.0	5,920.0	10,469.0	\$143,479.00	14,438.0	4,557.0	18,995.0	\$233,862.00

* OTHER PRODUCTS include Fuelwood and Houselogs

CUT AND SOLD REPORT CY SUMMARY

<u>YEAR</u>	<u>HARVEST</u>		<u>SOLD</u>	
	<u>VOLUME(MBF)</u>	<u>VALUE(\$)</u>	<u>VOLUME(MBF)</u>	<u>VALUE(\$)</u>
1981	53,678.0	1,491,554.00	18,402.1	353,571.00
1982	35,198.0	488,512.00	24,154.0	440,304.00
1983	35,511.0	402,774.00	72,145.0	6,338,641.00
1984	28,043.0	833,793.00	21,087.0	322,488.00
1985	12,864.0	192,109.00	20,178.0	313,418.00
1986	10,469.0	143,479.00	18,995.0	233,862.00

CY AVERAGE STUMPAGE PER MBF

<u>YEAR</u>	<u>ASPEN</u>	<u>BIRCH</u>	<u>COTTONWOOD</u>	<u>HEMLOCK</u>	<u>SITKA SPRUCE</u>	<u>WHITE SPRUCE</u>
1981	0.00	32.22	7.46	14.53	24.82	35.96
1982	0.00	27.27	10.00	10.92	28.24	25.65
1983	14.47	29.95	0.00	3.50	166.93	39.95
1984	10.60	26.70	0.00	0.00	32.72	20.20
1985	0.00	0.00	15.10	21.85	17.65	26.52
1986	20.13	30.00	15.10	9.22	19.44	25.00

STATE PROTECTION AREA

NUMBER OF INCIDENTS AND ACRES BURNED BY MONTH

	SCR				NR				SER				Total			
	LIGHTNING		HUMAN		LIGHTNING		HUMAN		LIGHTNING		HUMAN		LIGHTNING		HUMAN	
	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC
PRE-SEASON	0	0.0	28	1,782.5	0	0.0	2	0.2	0	0.0	0	0.0	0	0.0	30	1,782.7
MAY	0	0.0	63	578.2	0	0.0	32	214.0	0	0.0	0	0.0	0	0.0	95	792.2
JUNE	16	1,095.2	77	4,424.9	31	39,611.7	47	3,418.3	0	0.0	0	0.0	47	40,706.9	124	7,843.2
JULY	51	31,413.3	38	6.5	25	2,475.8	35	48.9	0	0.0	3	0.3	76	33,889.1	76	55.7
AUGUST	0	0.0	13	1.9	0	0.0	13	10.8	0	0.0	0	0.0	0	0.0	26	12.7
SEPTEMBER	0	0.0	15	10.4	0	0.0	18	159.1	0	0.0	0	0.0	0	0.0	33	169.5
POST-SEASON	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL	67	32,508.5	234	6,804.4	56	42,087.5	147	3,851.3	0	0.0	3	0.3	123	74,596.0	384	10,656.0

NOTE: Does not include False Alarm or Search and Rescue responses.

NUMBER OF INCIDENTS AND ACRES BURNED BY SIZE CLASS AND AREA

	A		B		C		D		E		F		G		FALSE ALARM	SEARCH & RESCUE	TOTAL	
	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	AC	NO	NO	NO	AC
Mat-Su	84	6.3	47	68.5	4	182.5	1	125.0	1	430.0	0	0.0	0	0.0	8	7	152	812.3
Copper River	24	2.0	15	14.4	0	0.0	1	200.0	0	0.0	0	0.0	0	0.0	10	1	51	216.4
Kenai	29	0.7	19	29.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	5	63	30.2
Southwest	11	0.7	32	88.3	13	325.0	4	820.0	7	4,200.0	7	13,540.0	3	19,280.0	3	1	81	38,254.0
Fairbanks	52	5.2	39	73.3	7	246.0	0	0.0	1	640.0	1	3,800.0	0	0.0	33	4	137	4,764.5
Delta	23	1.8	12	20.8	9	334.0	0	0.0	0	0.0	1	4,630.0	1	12,350.0	13	1	60	17,336.6
Tok	5	2.0	15	22.7	6	163.0	3	570.0	1	650.0	5	8,550.0	1	13,880.0	7	1	64	23,837.7
Southeast	2	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	3	0.3
TOTAL	250	18.7	180	317.8	39	1,250.5	9	1,715.0	10	5,920.0	14	30,520.0	5	45,510.0	84	20	611	85,252.0

STATE PROTECTION AREA
NUMBER OF INCIDENTS AND ACRES BURNED BY OWNERSHIP

	<u>SCR</u>	<u>NR</u>	<u>SER</u>	<u>TOTAL</u>
STATE L&W				
NO.	111	118	3	232
# ACRE	18,721.0	37,855.5	0.3	56,576.8
PRIVATE				
NO.	160	100	0	260
# ACRE	700.5	404.3	0.0	1,104.8
BORO/CITY				
NO.	14	4	0	18
# ACRE	11.2	0.1	0.0	11.3
FWS				
NO.	11	5	0	16
# ACRE	645.5	3,321.1	0.0	3,966.6
MILITARY				
NO.	1	6	0	7
# ACRE	0.1	0.2	0.0	0.3
NATIVE				
NO.	20	21	0	41
# ACRE	452.0	2,671.5	0.0	3,123.5
BLM				
NO.	25	6	0	31
# ACRE	14,291.1	1,426.1	0.0	15,717.2
USFS				
NO.	1	0	0	1
# ACRE	0.5	0.0	0.0	0.5
NPS				
NO.	2	0	0	2
# ACRE	201.0	0.0	0.0	201.0
MULTI				
NO.	2	1	0	3
# ACRE	4,290.0	260.0	0.0	4,550.0
TOTAL				
NO.	347	261	3	611
# ACRE	39,312.9	45,938.8	0.3	85,252.0

NOTE: Includes False Alarm and Search and Rescue responses.

STATE PROTECTION AREA
NUMBER OF INCIDENTS AND ACRES BURNED BY CAUSE

	MAT-SU	COPPER RIVER	KENAI	SOUTHWEST	FAIRBANKS	DELTA	TOK	SOUTHEAST	TOTAL
LIGHTNING NO.	1	4	0	65	24	12	22	0	128
# ACRE	0.1	201.9	0.0	32,350.5	4,623.5	17,121.6	20,344.8	0.0	74,642.1
CAMPFIRE NO.	25	10	16	5	12	2	16	2	88
# ACRE	130.2	3.1	5.2	5,116.5	9.1	0.2	159.7	0.2	5,424.2
EQUIPMENT NO.	3	3	3	0	5	0	2	0	16
# ACRE	0.8	0.0	1.5	0.0	0.6	0.0	0.0	0.0	2.9
SLASH/DEBRIS NO.	49	4	17	0	10	19	2	0	101
# ACRE	638.8	6.4	13.9	0.0	53.3	207.4	0.3	0.0	920.1
SMOKING NO.	8	1	3	2	2	0	1	0	17
# ACRE	2.7	0.3	4.3	420.0	0.6	0.0	0.0	0.0	427.9
CHILDREN NO.	7	0	1	0	2	0	0	0	10
# ACRE	4.3	0.0	0.1	0.0	0.2	0.0	0.0	0.0	4.6
RAILROAD NO.	3	0	0	0	13	0	0	0	16
# ACRE	0.3	0.0	0.0	0.0	20.1	0.0	0.0	0.0	20.4
INCENDIARY NO.	6	1	0	0	3	1	1	0	12
# ACRE	11.8	0.1	0.0	0.0	0.6	4.0	10.0	0.0	26.5
FIREWORKS NO.	6	4	3	1	5	1	2	1	23
# ACRE	0.9	1.2	1.0	0.1	16.0	0.0	0.2	0.1	19.5
DUMP FIRE NO.	1	5	0	1	2	4	0	0	13
# ACRE	0.1	1.9	0.0	0.0	1.5	2.7	0.0	0.0	6.2
MISC. NO.	43	19	20	7	59	21	18	0	187
# ACRE	22.3	1.5	4.2	366.9	39.3	0.7	3,322.7	0.0	3,757.6
TOTAL NO.	152	51	63	81	137	60	64	3	611
# ACRE	812.3	216.4	30.2	38,254.0	4,764.5	17,336.6	23,837.7	0.3	85,252.0

NOTE: Includes False Alarm and Search and Rescue responses.

NUMBER OF INCIDENTS AND ACRES BURNED BY AREA AND CAUSE

AREA	LIGHTNING		HUMAN		TOTAL	
	NO.	AC	NO.	AC	NO.	AC
MAT-SU	1	0.1	136	813.2	137	812.3
COPPER RIVER	4	201.9	36	14.5	40	216.6
KENAI	0	0.0	48	30.2	48	30.2
SOUTHWEST	63	32,307.3	14	5,946.7	77	38,254.0
FAIRBANKS	23	4,619.4	77	145.1	100	4,764.5
DELTA	11	17,123.4	35	213.2	46	17,336.6
TOK	22	20,345.0	34	3,492.7	56	23,837.7
SOUTHEAST	0	0.0	3	0.3	3	0.3
TOTAL	124	74,597.1	383	10,654.9	507	85,252.0

NOTE: Does not include False Alarm or Search and Rescue responses.

STATE PROTECTION AREA

NUMBER OF INCIDENTS AND ACRES BURNED BY PROTECTION LEVEL AND AREA

AREA	CRITICAL		FULL		MODIFIED		LIMITED	
	NO.	AC	NO.	AC	NO.	AC	NO.	AC
Mat-Su	116	154.3	23	532.6	1	0.1	5	125.3
Copper River	16	8.8	26	4.6	2	0.9	6	202.1
Kenai	42	20.5	13	9.2	1	0.0	2	0.5
Southwest	2	15.5	25	5,456.2	22	11,282.2	31	21,500.1
Fairbanks	55	46.3	62	818.9	12	3,893.2	4	6.1
Delta	30	177.6	22	4,738.9	2	5.0	5	12,415.1
Tok	14	1.2	25	333.7	19	21,486.8	5	2,016.0
Southeast	0	0.0	3	0.3	0	0.0	0	0.0
TOTAL	275	424.2	199	11,894.4	59	36,668.2	58	36,265.2

NOTE: Does not include Search and Rescue responses.

STATE AND PRIVATE LANDS PROTECTED BY BLM

NUMBER OF INCIDENTS AND ACRES BURNED BY CAUSE

	LIGHTNING		HUMAN		TOTAL	
	NO.	AC	NO.	AC	NO.	AC
BLM Protection Area	44	103,994.3	2	0.4	46	103,994.7

Note: Includes False Alarm responses

NUMBER OF INCIDENTS AND ACRES BURNED BY PROTECTION LEVEL

	CRITICAL		FULL		MODIFIED		LIMITED		TOTAL	
	NO.	AC	NO.	AC	NO.	AC	NO.	AC	NO.	AC
BLM Protection Area	1	.1	8	1,648.2	28	72,889.4	9	29,457.0	46	103,994.7

FEDERAL LANDS PROTECTED BY STATE

NUMBER OF INCIDENTS AND ACRES BURNED ON FEDERAL LANDS

	LIGHTING		HUMAN		TOTAL	
	NO.	AC	NO.	AC	NO.	AC
SCR	31	13,528.3	29	6,365.9	60	19,894.2
NR	11	4,339.2	30	3,339.7	41	7,678.9
SER	0	0.0	1	0.0	1	0.0
TOTAL	42	17,867.5	60	9,705.6	102	27,573.1

NOTE: Includes False Alarm Responses

NET RESULT ON STATE/PRIVATE LAND

NUMBER OF INCIDENTS	556
NUMBER OF ACRES BURNED	161,687.6

1986 STATEWIDE STATISTICS

BLM and State

Number of fires 737
(actual fires)

Number of acres burned 480,604

NUMBER OF FIRES AND ACRES BY CAUSE

	<u>Lightning</u>	<u>Human-Caused</u>
Fires	310	427
Acres	436,594	44,010

Activity by Landowner

<u>Agency</u>	<u>No. of Fires</u>	<u>No. of Acres</u>
State	228	161,542
Private	224	1,110
BLM	93	127,611
USFS	16	1
NPS	31	93,063
USFWS	49	88,807
Boro/City	14	12
BIA	1	0
Native	71	8,230
Military	10	228

Fires Greater Than 1,000 acres: 150 statewide 17 state ownership