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Western Great Basin Coordination Center



Western Great Basin Area 1998 Fire Season Summary



Statistical Fire Summary for Nevada

This is the Western Great Basin Area's Wildfire Summary. The book is divided into the following sections:

Nevada Statewide Fire Totals
Incident Support Summary
BLM Boise Smokejumper Summary
Aviation Summary
Great Basin Fuel Moisture Analysis

The Western Great Basin Coordination Center (WGBCC) provides direction and assistance in the mobilization and demobilization of resources between Nevada Dispatch Centers and the Boise Smokejumper Base, the Eastern Great Basin Coordination Center, the Northern and Southern California Operations Coordination Centers, and the National Coordination Center.

The WGBCC represents the BIA, BLM, FWS, NDF, NPS and the USFS wildfire agencies within the Geographic Area.

Local Dispatch Centers within the Western Great Basin Area



Elko Interagency Dispatch Center (EIDC), supporting the BLM's Elko District, the Eureka County portion of Battle Mountain District, the northeastern portion of the USFS' Humboldt-Toiyabe National Forest, the BIA's Eastern Nevada Agency, the USFWS' Ruby Lake Refuge, and the NDF's Northern Region.

Winnemucca Interagency Dispatch Center (WIDC), supporting the BLM's Winnemucca and Battle Mountain Districts (except for the Eureka County portion), the northern portions of the BIA's Western Nevada Agency, and the northwestern portion of the USFS' Humboldt-Toiyabe National Forest.

Sierra Front Interagency Dispatch Center (SFIDC), located in Minden, supporting the BLM's Carson City District, the western and central portions of the USFS' Humboldt-Toiyabe National Forest, the BIA's Western Nevada Agency,

the USFWS' Fallon, Stillwater and Anaho Island National Wildlife Refuges, and the NDF's Western Region.

Ely Interagency Communication Center (EICC), supporting the BLM's Ely District, the east-central portions of the USFS' Humboldt-Toiyabe National Forest, and the NPS' Great Basin National Park.

Las Vegas Interagency Communication Center (LVICC), supporting the BLM's Las Vegas District, the southern portion of the USFS' Humboldt-Toiyabe National Forest, the NPS' Lake Mead National Recreation Area, the USFWS' Pahrnagat, Desert, and Ash Meadows National Wildlife Refuges, the NDF's Southern Region, Nellis Air Force Base, and the Department of Energy's Nevada Test Site.

Western Great Basin 1998 Fire Season Overview

Weather and Fuels

The El Niño influence during the winter was perhaps the strongest of this century, bringing wetter than normal conditions and mild temperatures to the area. Water content of the snow pack in the Sierra Nevada stood at 165 percent of normal by the end of February, while rainfall totals in Las Vegas were within 0.16 inches of the monthly record. Above normal precipitation and temperatures continued into April, leading to an early green-up and heavy new growth in the fine fuels. In much of May and June, unseasonably cool temperatures and periods of heavy rain dominated the area as a series of unusually strong Pacific storms moved across the Great Basin.

After opening with unusually cool temperatures in June, the summer heated up in July and August. July's average temperatures throughout much of northern Nevada were 3 to 4 degrees above normal, while Reno experienced the fourth-warmest July since 1888. Throughout July and early August, the weather continued to alternate between high pressure and pulses of monsoonal flow. These pulses brought wetting rains in the southeastern portion of Nevada in July, moderating fire activity there. In August, they provided just enough moisture to spark more thunderstorm development, leading to increased activity. Most lightning ignitions were accompanied by strong, erratic winds, causing extreme fire behavior.

Severity resources were prepositioned in response to the threat of large fires posed by the heavy new growth, extremely hot temperatures, and low humidities that prevailed through August and into early September. However, fuels at the higher elevations did not cure fully until mid-August, and WFAS Departure from Average Greenness and Palmer Drought Index maps still showed above normal moisture/greenness throughout most of Nevada. These above average fuel moistures helped to limit both fire intensity and spread. Mid-September brought cooler temperatures and above normal precipitation statewide, with a corresponding drop in fire activity.

Large Fire Activity

Unlike the 1996 and 1997 seasons, no early or late season large fire activity was reported in 1998. The first large fire of the year occurred on Las Vegas District in late June, while the last large fire of the year was controlled by Winnemucca District on September 5. Large fire activity increased by roughly 50% over the previous year; 32 large fires were reported in 1998, compared to 22 in 1997. These fires represent only 4% of the total number of incidents reported, but account for 81,909 acres (95%) of the total number of acres burned.

Incident Management Teams

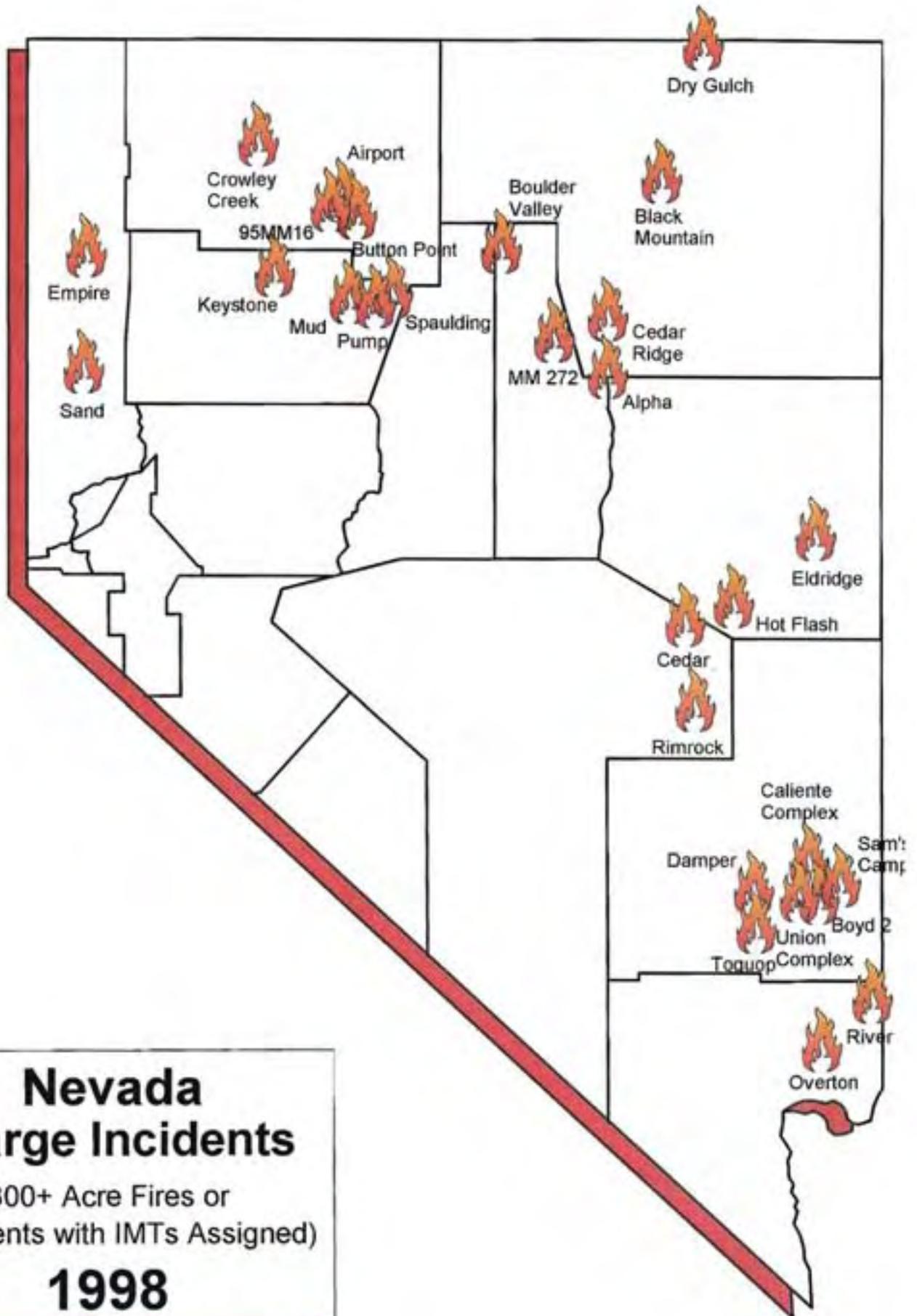
Three Incident Management Team mobilizations occurred within the area in 1998. Butler's Type 2 Team was mobilized to Ely District's Union Complex, then took over the Caliente Complex as the Union Complex fires were controlled. Butler's Team was also mobilized to the BLM's Winnemucca Complex. Burdick's Type 2 Team was mobilized to an all-risk incident

(underground fuel spill) at the Lake Mead National Recreation Area in order to ensure public safety. In addition to these internal assignments, members of Birch's Type 1 Team were mobilized twice: once to Florida fires and once to Puerto Rico in support of Hurricane Georges relief efforts. No Incident Management Teams from outside the area were assigned to Western Great Basin fires in 1998.

Historical Comparison

The 1998 season was a fairly normal one, with the majority of fire activity occurring in July and August. Although the number of fires was only slightly higher than in 1997, almost twice as many acres were burned. The increased number of large fires was undoubtedly a major factor in this acreage increase.

During the period from 1993 through 1997, Western Great Basin units reported an average of 818 fires and 231,917 acres burned per year. In comparison to the most severe years (1994 and 1996), the 1998 season was a light one for fire occurrence. Although the number of fires reported in 1998 was 89% of this 5-yr. average, less severe weather and fuel conditions and aggressive initial attack by severity and normal unit strength resources limited the total acreage burned to 37% of the average.



Nevada Large Incidents

(300+ Acre Fires or
Incidents with IMTs Assigned)

1998

Large Incident Summary and Workload by Dispatch Center

<u>Dispatch Center</u>	<u>Incident Name</u>	<u>Number</u>	<u>Agency</u>	<u>Size at Control</u>	<u>Date of Control</u>	<u>Team Assigned</u>
EIDC	Cedar Ridge	J022	BLM-EKD	843 ac.	7/23/98	
	Boulder Valley	J115	BLM-EKD	7,521 ac.	8/25/98	
	MM 272	N990288	NDF-DFN	3,250 ac.	8/25/98	
	Dry Gulch	J125	BLM-EKD	1,675 ac.	9/01/98	
	Alpha	K851	BLM-BMD	2,525 ac.	9/02/98	
	Black Mountain	J126	BLM-EKD	10,570 ac.	9/03/98	
WIDC	Button Point	J366	BLM-WID	555 ac.	7/11/98	
	Pump	J384	BLM-WID	733 ac.	7/27/98	
	Airport	J389	BLM-WID	2,754 ac.	7/31/98	
	Winnemucca Complex:					Butler (T2)
	Keystone	J409	BLM-WID	13,708 ac.	8/18/98	
	Spaulding	J413	BLM-WID	5,988 ac.	8/18/98	
	Mud	J414	BLM-WID	451 ac.	8/15/98	
	Empire	J420	BLM-WID	728 ac.	8/18/98	
	Crowley Creek	J439	BLM-WID	412 ac.	9/04/98	
95MM16	J440	BLM-WID	300 ac.	9/05/98		
SFIDC	Sand	J577	BLM-CCD	11,631 ac.	7/21/98	
EICC	Eldridge	K023	BLM-ELD	1,506 ac.	7/21/98	
	Boyd 2	K074	BLM-ELD	3,711 ac.	7/21/98	
	Union Complex:	K075	BLM-ELD	2,602 ac.*	7/21/98	Butler (T2)
	Rainbow			492 ac.		
	Elgin			1,146 ac.		
	Kane			832 ac.		
	Caliente Complex:			1,742 ac.*		Butler (T2)
	Sam	K088	BLM-ELD	1,165 ac.	7/23/98	
	Lime 1	K099	BLM-ELD	300 ac.	7/22/98	
	Sam's Camp	K144	BLM-ELD	500 ac.	9/03/98	
	Toquop	K147	BLM-ELD	750 ac.	9/04/98	
	Damper	K172	BLM-ELD	1,380 ac.	8/14/98	
	Hot Flash	K175	BLM-ELD	1,005 ac.	8/14/98	
	Cedar	P44983	USFS-HUF	360 ac.	8/16/98	
Rimrock	P44985	USFS-HUF	354 ac.	8/15/98		
LVICC	River	K326	BLM-LVD	420 ac.	6/22/98	
	Overton Beach**	836010025ZZ	NPS-LAP	Unknown	9/04/98	Burdick (T2)

* In addition to the individual large fires listed, acreage totals include other small fires within the complex.

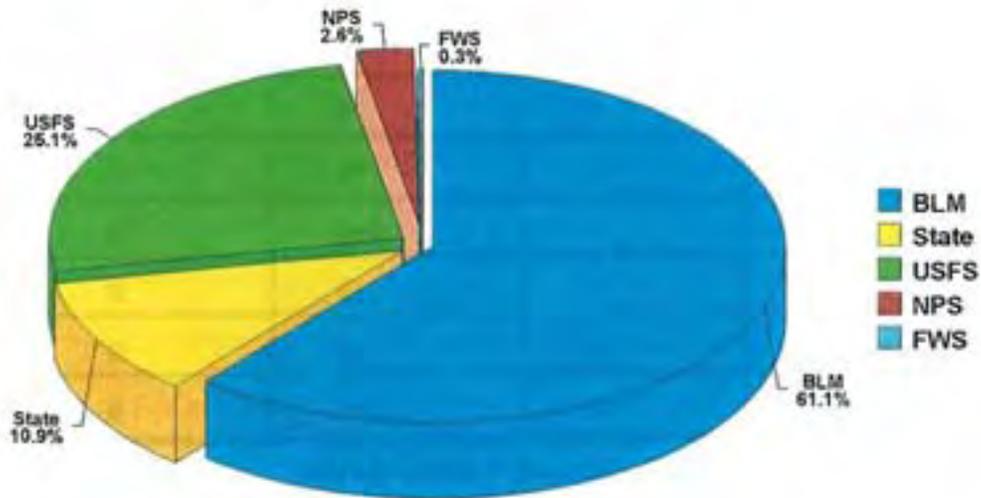
** Underground fuel spill (8,000 gal.).

**Western Great Basin Area
1998 Fire Statistical Summary**

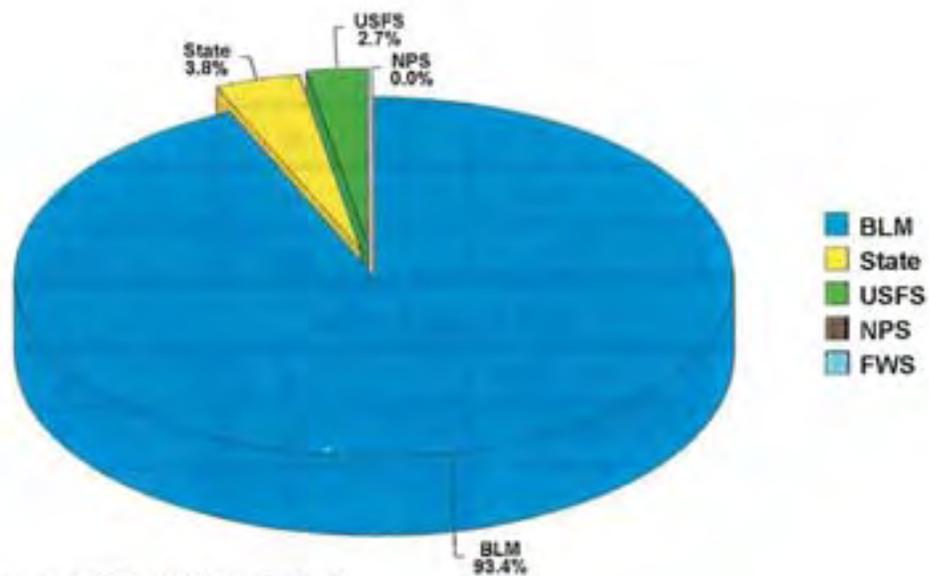
Unit/Agency	Fires by Cause		Acres by Cause		Total Fires	Total Acres
	Human	Lightning	Human	Lightning		
Bureau of Land Management						
Elko District	25	70	10,974	14,292	95	25,266
Winnemucca District	28	30	2,117	24,576	58	26,693
Carson City District	33	23	12,132	20	56	12,152
Ely District	20	143	6,345	8,033	163	14,378
Las Vegas District	32	24	454	169	56	623
Battle Mountain District	3	21	45	2,658	24	2,703
Agency Totals	141	311	32,067	49,748	452	81,815
U.S. Fish and Wildlife Service						
Ruby Lake NWR	0	0	0	0	0	0
Pahranagat/Desert NWRs	0	2	0	0	2	0
Agency Totals	0	2	0	0	2	0
National Park Service						
Great Basin National Park	0	0	0	0	0	0
Lake Mead NRA	16	3	3	1	19	4
Agency Totals	16	3	3	1	19	4
Nevada Division of Forestry						
Northern Region	35	27	3,221	116	62	3,337
Western Region	13	6	5	0	19	5
Southern Region	0	0	0	0	0	0
Agency Totals	48	33	3,226	116	81	3,342
U.S. Forest Service						
Humboldt National Forest	2	25	21	2,205	27	2,226
Toiyabe National Forest	54	105	45	131	159	176
Agency Totals	56	130	66	2,336	186	2,402
Geographic Area Totals						
All Agencies	261	479	35,362	52,201	740	87,563

Note: BLM totals include other agency/private acres burned.

Wildfire Occurrence by Agency 1998



Wildfire Acres Burned by Agency 1998

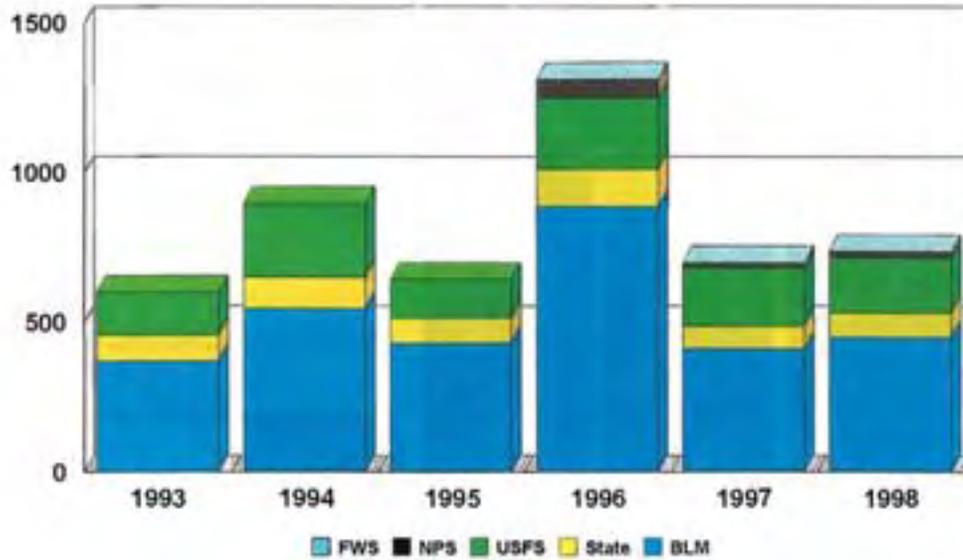


BLM acreages include other agency/private acres burned.

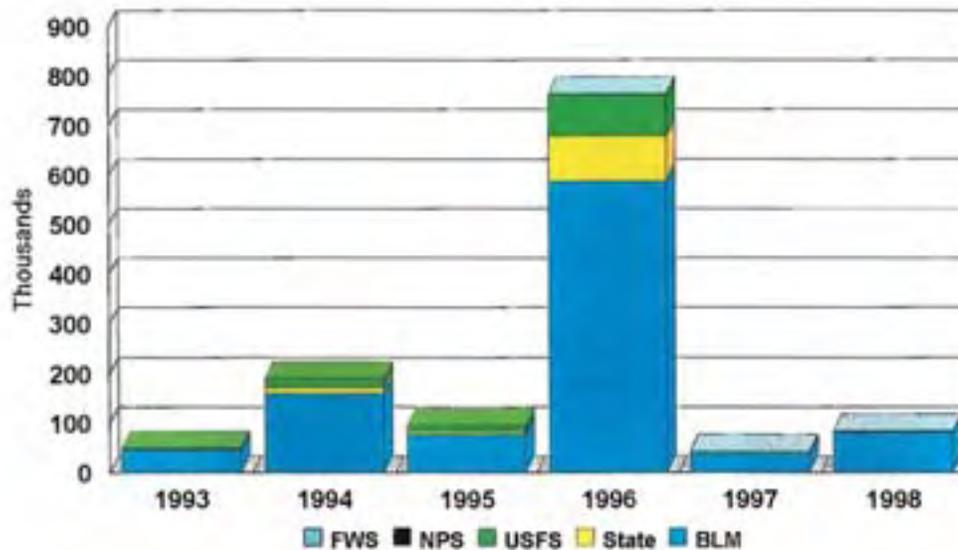
1998 Prescribed Fire Activity

Agency/Unit	Prescribed		Wildland Fire Use	
	Fires	Acres	Fires	Acres
Bureau of Land Management				
Elko District	2	1,605	0	0
Winnemucca District	0	0	0	0
Carson City District	2	96	0	0
Ely District	1	1,800	0	0
Las Vegas District	1	15	0	0
Battle Mountain District	0	0	0	0
Agency Totals	6	3,516	0	0
U.S. Fish and Wildlife Service				
Ruby Lake NWR	1	2,123	0	0
Pahranaagat/Desert NWRs	0	0	0	0
Agency Totals	1	2,123	0	0
National Park Service				
Great Basin NP	1	40	0	0
Lake Mead NRA	1	80	3	0
Agency Totals	2	120	3	0
Nevada Division of Forestry				
Northern Region	1	15	0	0
Western Region	0	0	0	0
Southern Region	0	0	0	0
Agency Totals	1	15	0	0
U.S. Forest Service				
Humboldt National Forest	0	0	0	0
Toiyabe National Forest	1	1	3	3
Agency Totals	1	1	3	3
Geographic Area Totals				
All Agencies	11	5,775	6	3

Western Great Basin Total Number of Wildfires 1993-1998

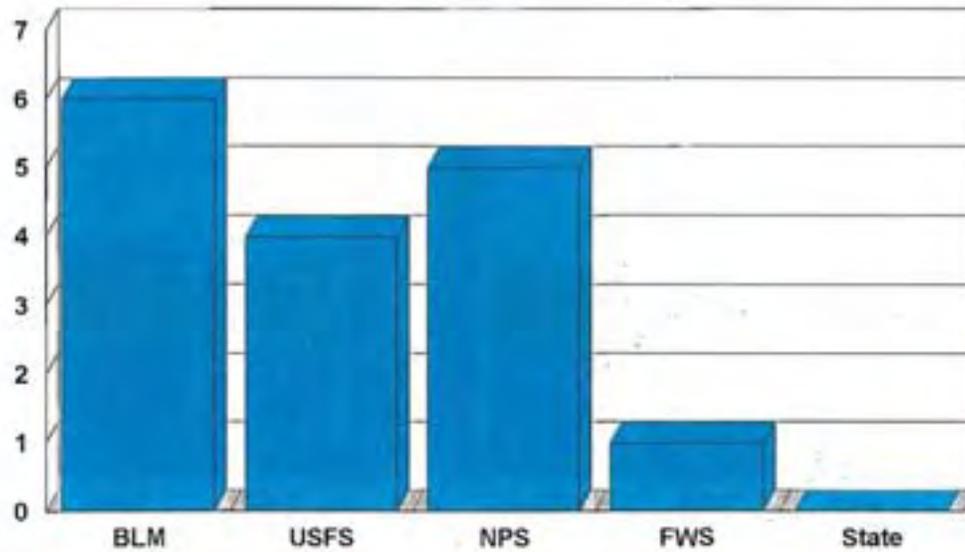


Western Great Basin Total Wildfire Acres Burned 1993-1998

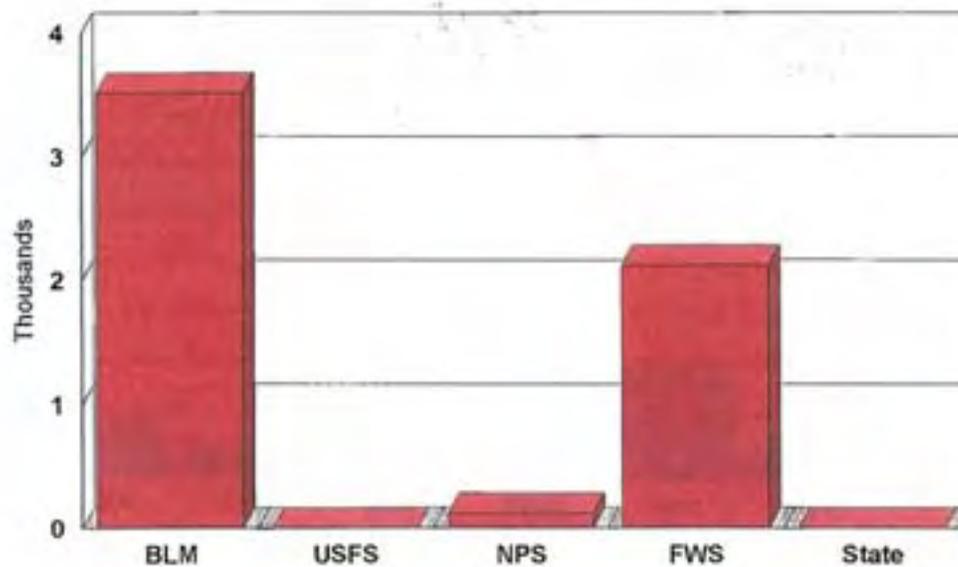


BLM acreages include other agency/private acres burned.

Prescribed Fires by Agency 1998



Prescribed Fire Acres by Agency 1998



1998 Incident Support Summary

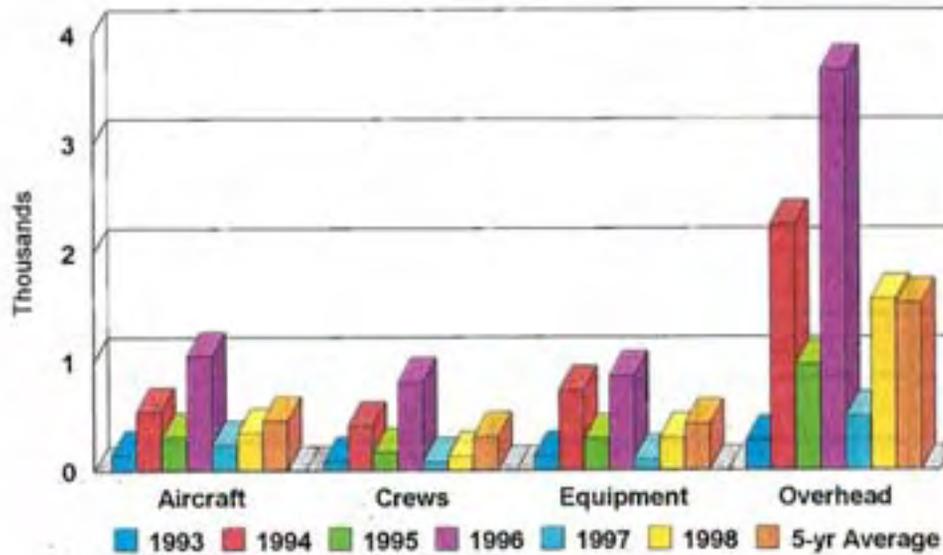
Total Resource Requests Processed
(by Resource Type and Dispatch Center Placing the Order)
1998

Dispatch Center	Aircraft	Crews	Equipment	Overhead	Total
EIDC	59	19	54	78	210
WIDC	40	17	95	146	298
SFIDC	39	13	3	35	90
EICC	79	45	46	121	291
LVICC	19	8	20	75	122
EGBCC	16	14	21	174	225
WGBCC	43	3	38	128	212
NOCC	20	0	0	0	20
NICC	38	22	25	819	904
Other*	0	0	2	0	2
Totals	353	141	304	1,576	2,374

* "Other" includes the BLM Boise Smokejumpers (Equipment).

Note: All statistics are for orders processed through the Western Great Basin Coordination Center only. They do not include dispatches on home units or to neighboring units under initial attack agreements (if less than 24 hours in duration). Supply orders are not included.

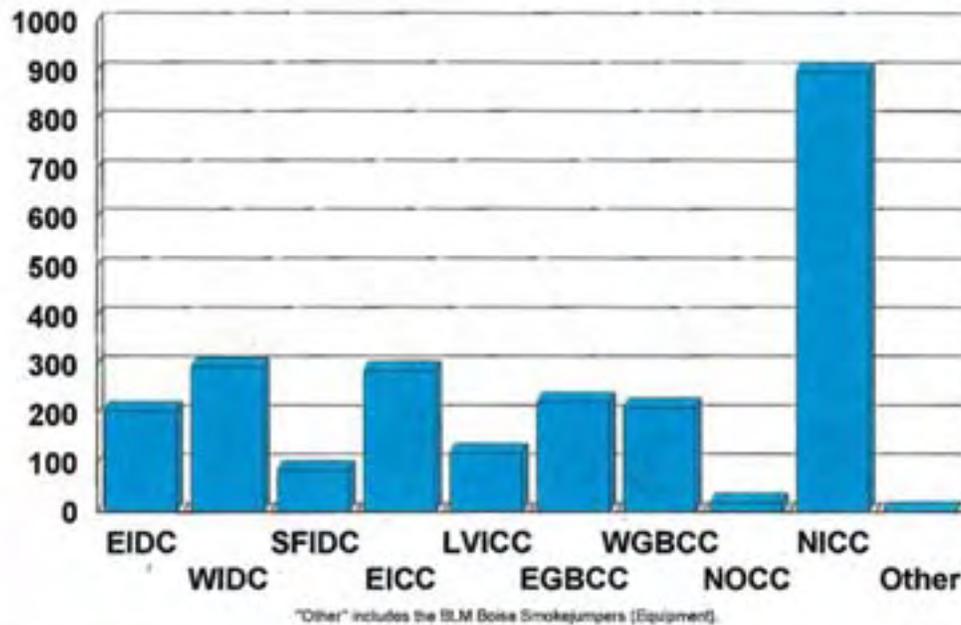
Total Requests Processed by Resource Type 1993-1998



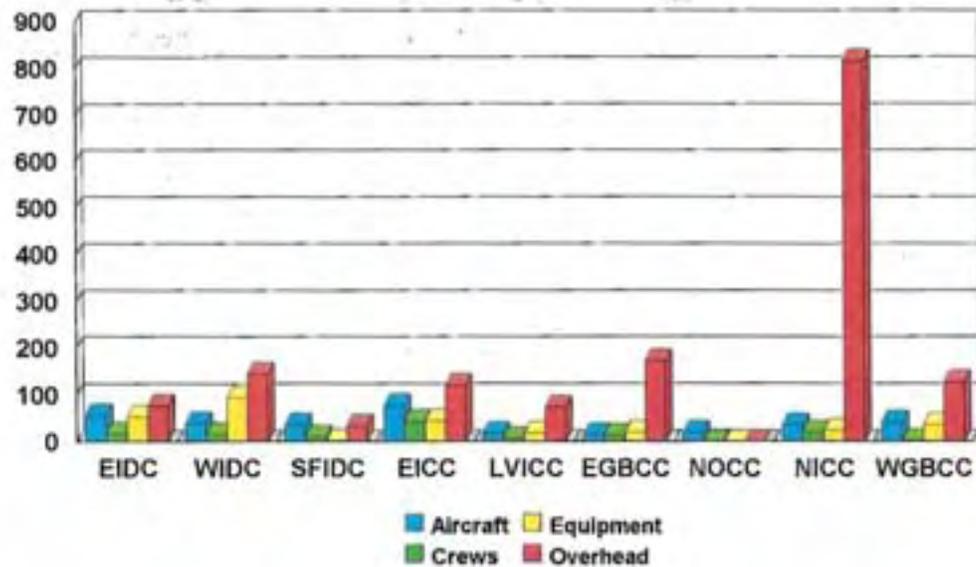
Total Resource Requests Processed by Year 1993-1998

Year	Aircraft	Crews	Equipment	Overhead	Total
1993	152	94	140	275	661
1994	547	420	736	2,256	3,959
1995	319	176	297	972	1,764
1996	1,060	823	877	3,670	6,430
1997	240	84	109	501	934
1998	353	141	304	1,576	2,374
5-yr. Average	464	319	432	1,535	2,750

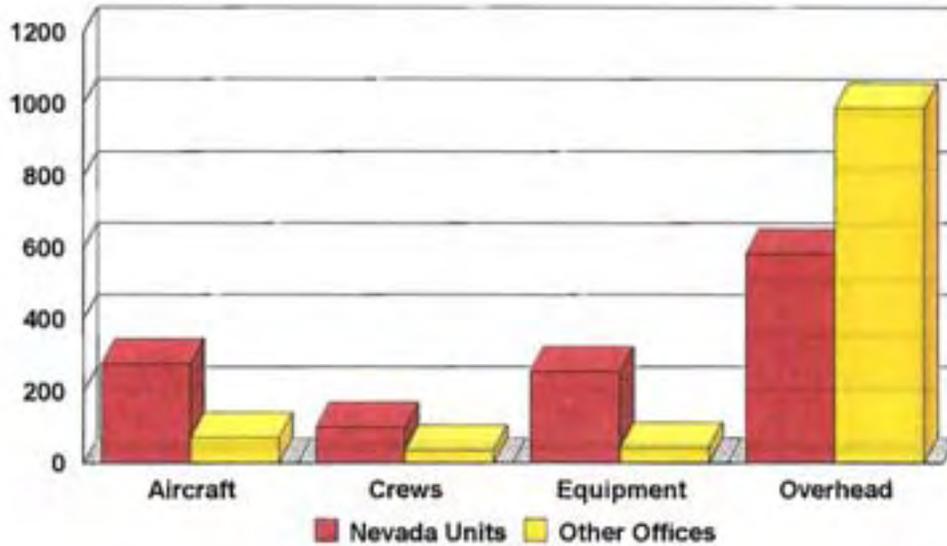
Total Resource Requests by Ordering Office 1998



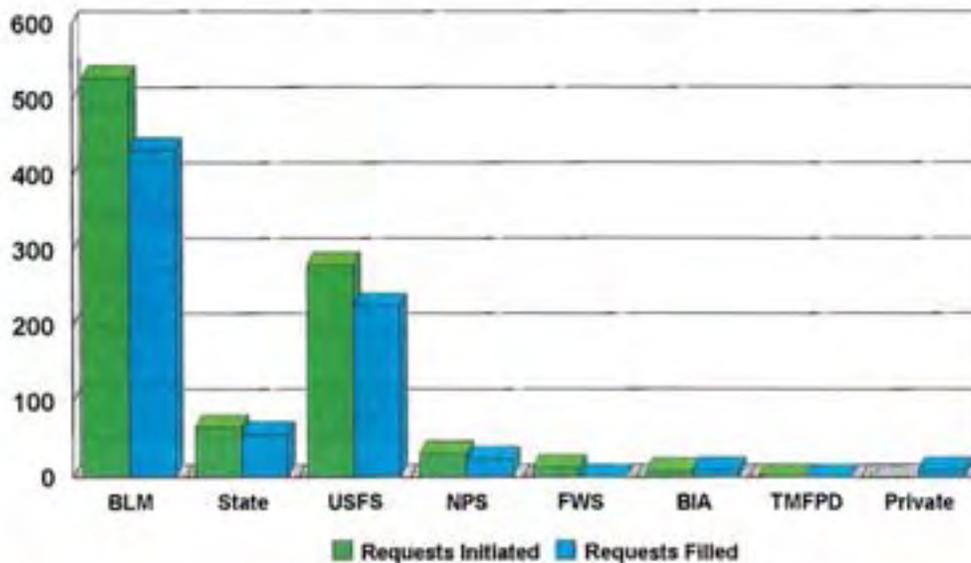
Total Resource Requests by Ordering Office 1998



Total Requests Processed, by Type Initiated by Nevada Units or Elsewhere 1998



Total Requests Processed Separated by Agency 1998



Total Number of Requests Initiated
(by Resource Type and Agency Generating Request)
1998

Agency	Aircraft	Crews	Equipment	Overhead	Total
BLM	279	111	249	600	1239
USFS	57	26	31	624	738
NDF	5	0	0	1	6
BIA	0	0	0	5	5
NPS	0	1	9	48	58
FWS	0	0	0	16	16
Other Federal*	1	2	0	9	12
Other State**	11	1	15	273	300
County	0	0	0	0	0
Totals	353	141	304	1,576	2,374

* "Other Federal" includes DOD and FEMA.

** "Other State" includes Florida, Texas, Oklahoma, Montana, Washington, Wisconsin and California.

Total Number of Requests Filled
(by Resource Type and Agency Filling Request)
1998

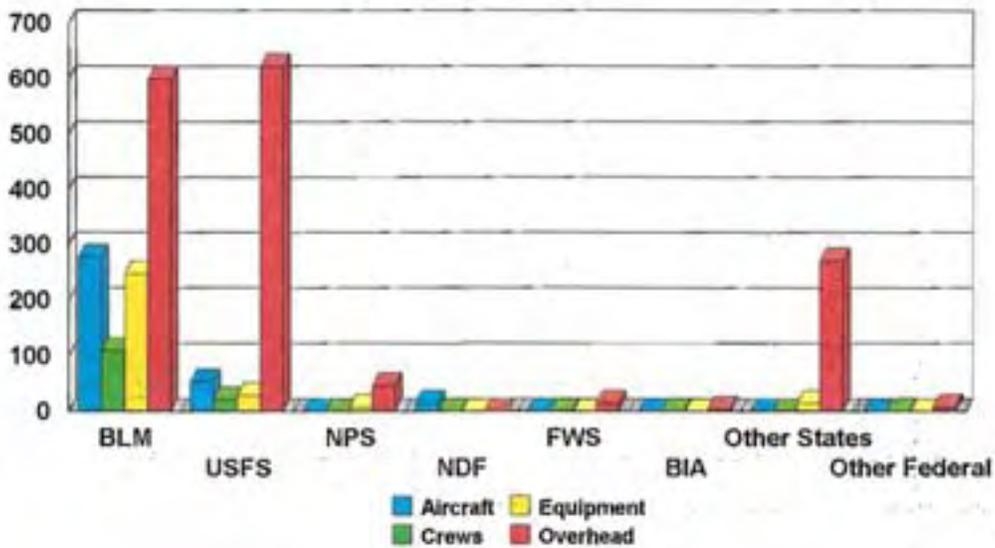
Agency	Aircraft	Crews	Equipment	Overhead	Total
BLM	150	42	76	599	867
USFS	73	45	41	242	401
NDF	5	33	22	69	129
BIA	2	5	3	21	31
NPS	0	0	5	51	56
NIFC*	5	0	32	0	37
Other Federal**	24	0	0	3	27
Other State***	7	1	9	18	35
County	0	0	2	2	4
Private	22	1	80	7	110
Cancelled	52	13	22	134	221
Can't Fill	13	1	12	430	456
Totals	353	141	304	1,576	2,374

* "NIFC" includes items provided by the NIRSC, Great Basin Cache, and national contracts (e.g., caterers and shower units).

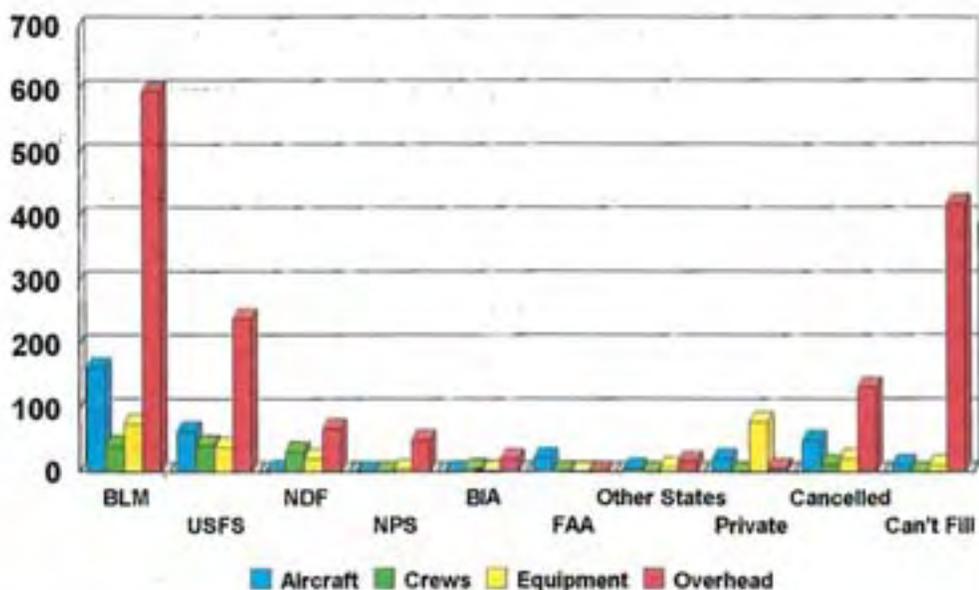
** "Other Federal" includes FWS and NWS overhead, and Temporary Flight Restrictions filed by the FAA.

*** "Other State" includes Idaho, Utah, California, and Alaska.

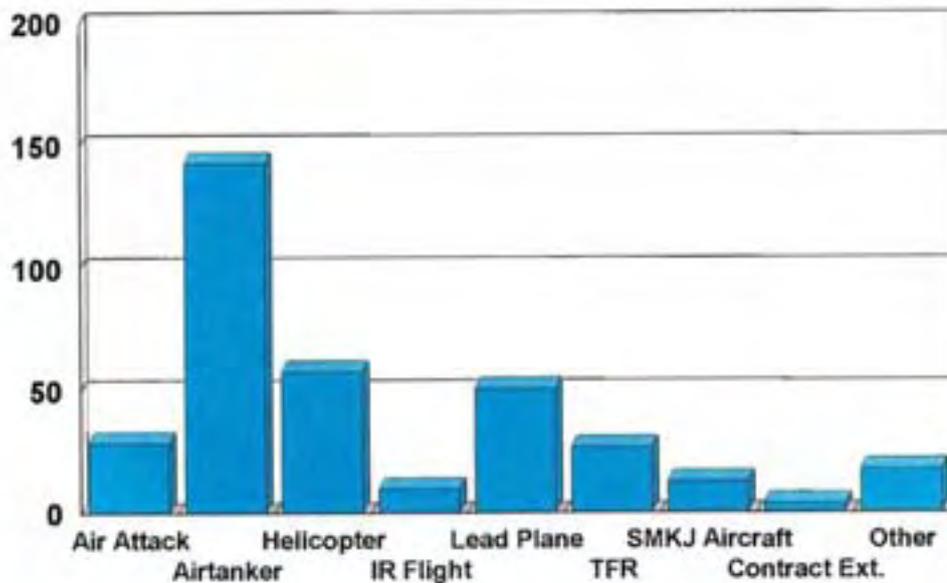
Total Resource Requests Initiated by Agency 1998



Total Requests Filled by Agency 1998



Aircraft Requests Processed Separated by Type 1998



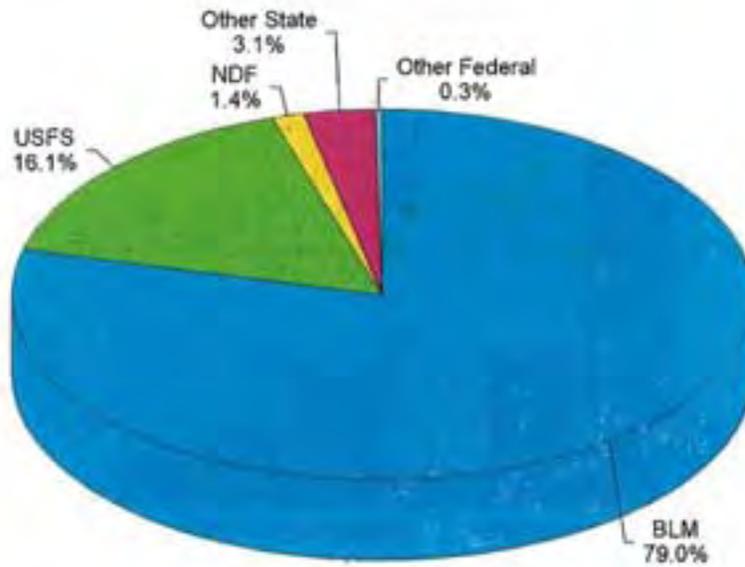
Note: "Other" category includes frequencies, reconnaissance aircraft, airtanker base opening, SEATs, and air attack w/o ATGS.

Total Aircraft Requests Processed (by Resource Type and Agency Initiating Request) 1998

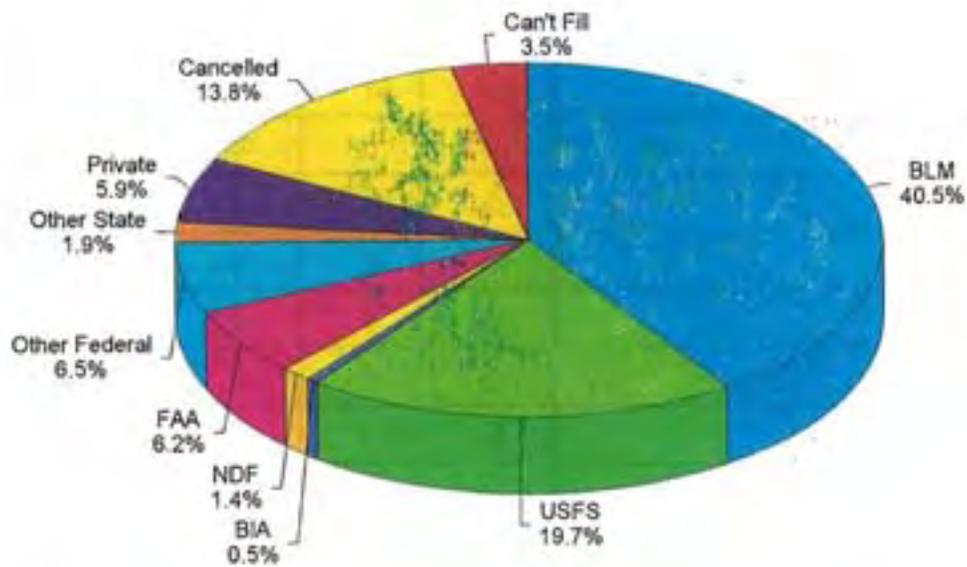
Resource Type	BLM	USFS	BIA	NDF	Other	Total
Air Attack Aircraft w/ ATGS	26	2	0	0	1	29
Air Attack Aircraft w/o ATGS	9	0	0	0	1	10
Airtanker	111	21	0	2	9	143
Single Engine Airtanker	4	0	0	0	0	4
Helicopter	34	21	0	2	1	58
IR Flight	10	0	0	0	0	10
Lead Plane	40	5	0	0	0	45
Smokejumper Aircraft	8	5	0	0	0	13
TFR	23	3	0	1	0	27
Contract Extension	4	0	0	0	0	4
Lead Plane/Air Attack	6	0	0	0	0	6
Miscellaneous	4	0	0	0	0	4
Totals	279	57	0	5	12	353

* "Other " includes California State and DOD.

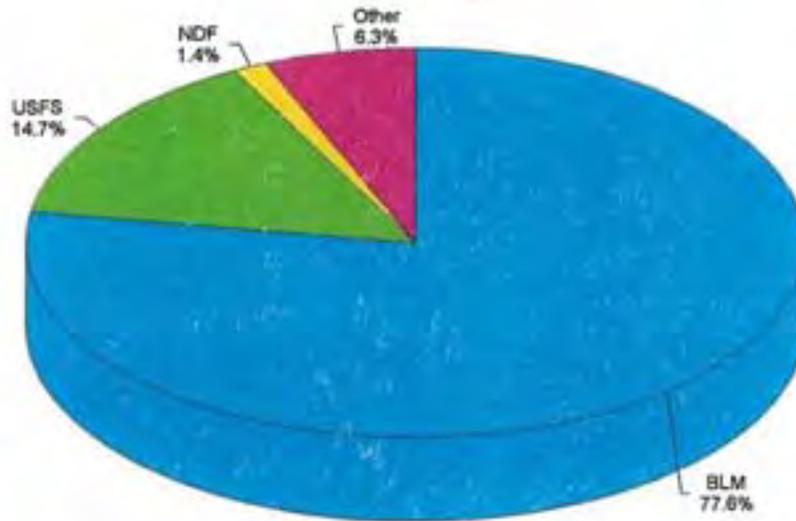
Aircraft Requests Initiated by Agency 1998



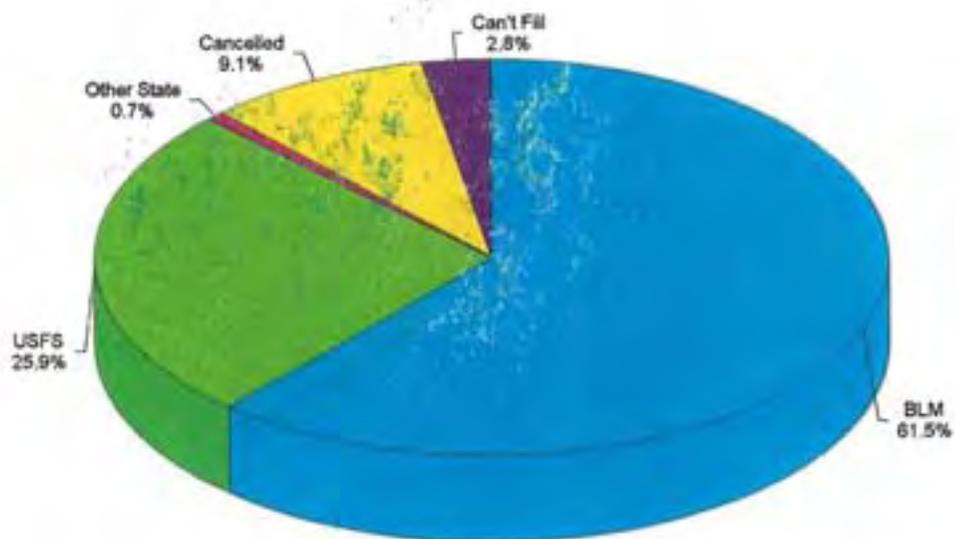
Aircraft Requests Filled by Agency 1998



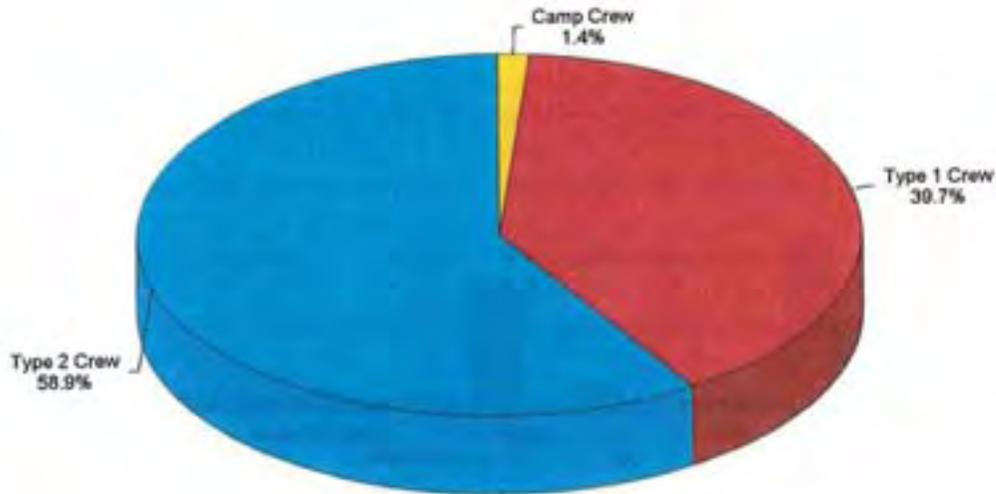
Airtanker Requests Initiated by Agency 1998



Airtanker Requests Filled by Agency 1998



Crew Requests by Type 1998



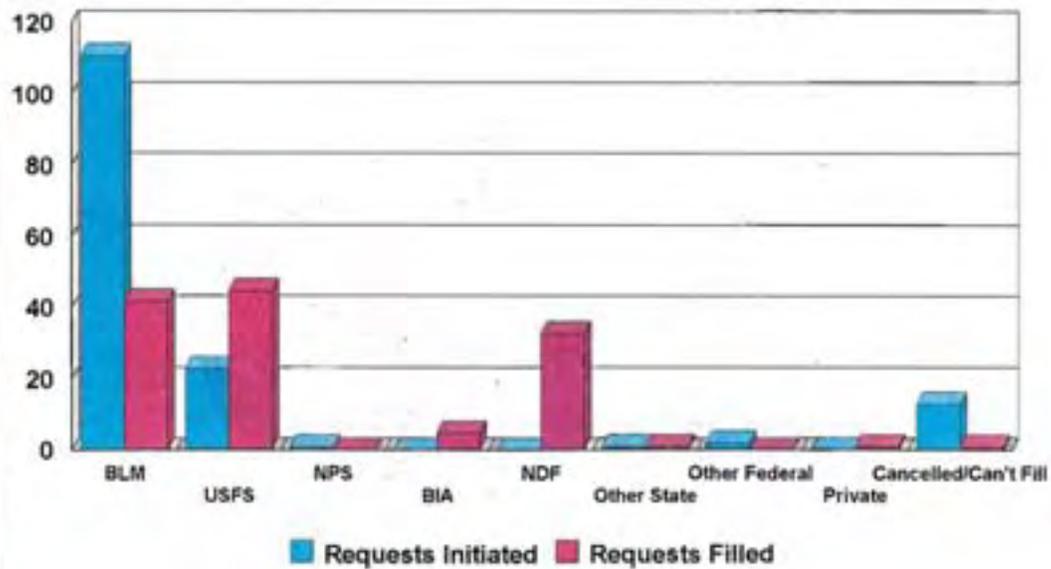
Total Crew Requests Processed (by Crew Type and Agency Initiating Request) 1998

Agency	Type 1 Crew	Type 2 Crew	Camp Crew	Total
BLM	33	76	2	111
USFS	20	6	0	26
NDF	0	0	0	0
NPS	1	0	0	1
Other Federal*	2	0	0	2
Other State**	0	1	0	1
Totals	56	83	2	141

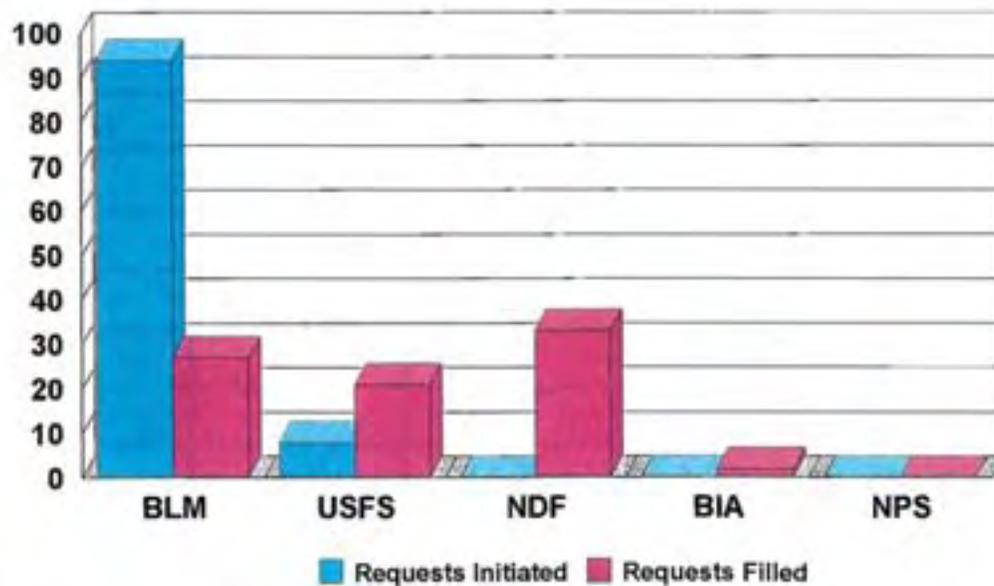
* "Other Federal" includes DOD and FEMA.

** "Other State" includes Montana.

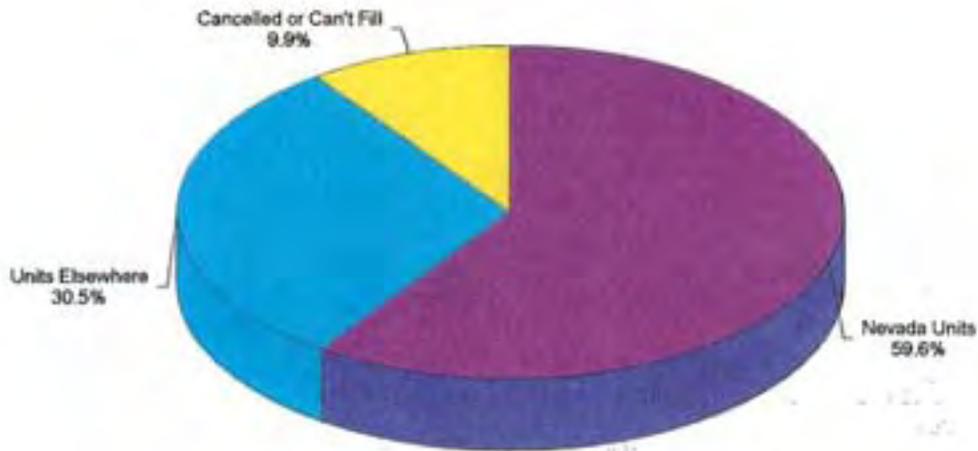
Crew Requests by Agency All Requestors 1998



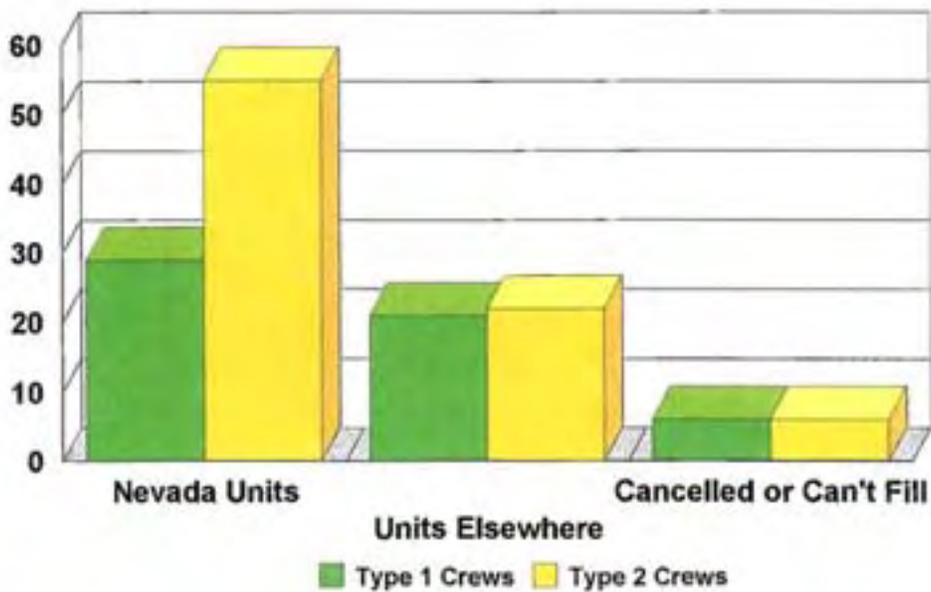
Crew Requests by Agency Nevada Units 1998



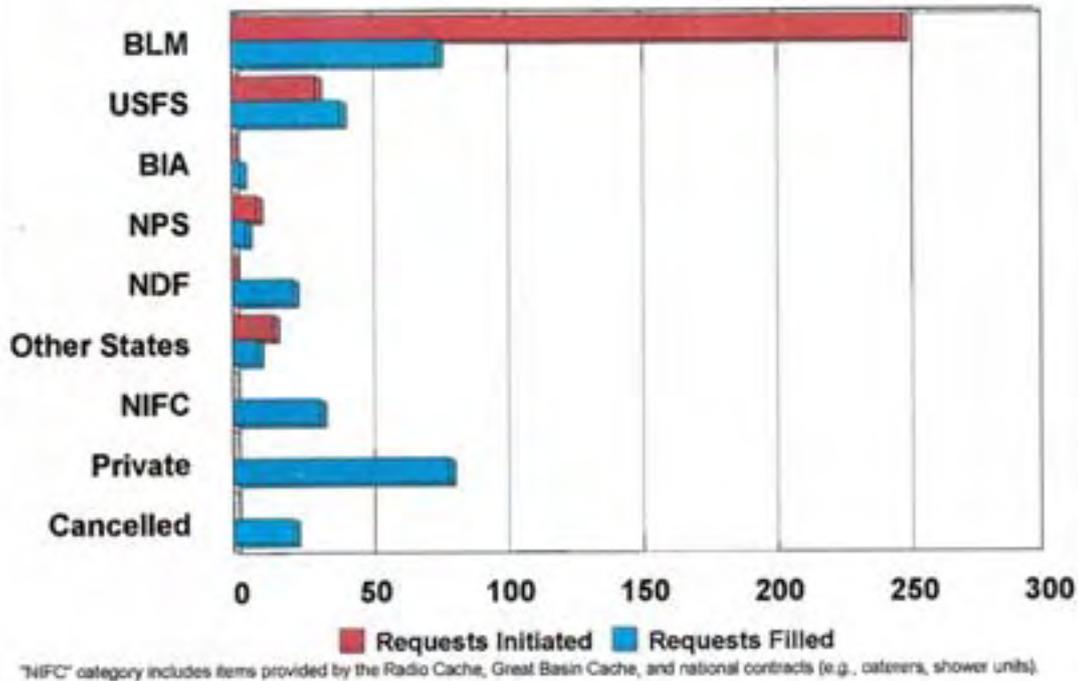
Crew Requests Processed Filled by Nevada Units or Elsewhere 1998



Crew Requests by Type Filled by Nevada Units or Elsewhere 1998



Equipment Requests by Agency 1998



Total Equipment Requests Processed (by Request Type and Agency Initiating Request) 1998

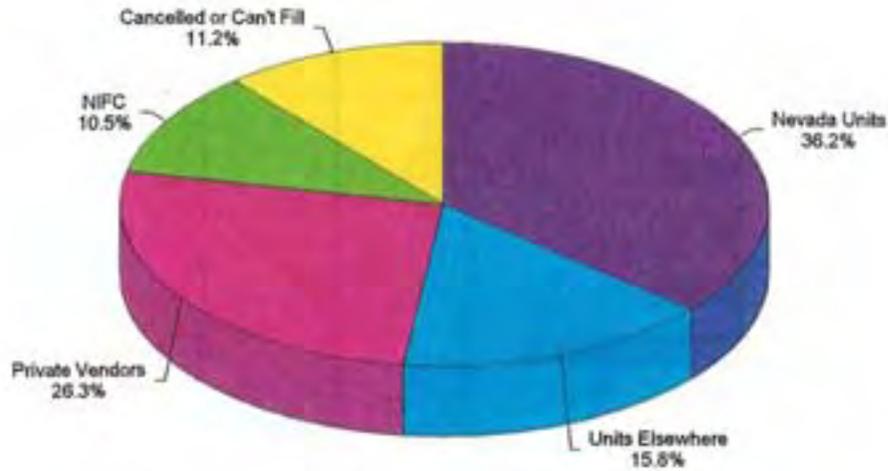
Resource Type	BLM	USFS	Other Federal*	State	Total
Buses	6	3	0	0	9
Engines	191	22	0	14	227
Water Tenders	6	0	0	0	6
Potable Water Trucks	1	0	0	0	1
Cache Vans	3	0	0	0	3
Radios**	17	1	9	0	27
Contract Caterers	4	0	0	0	4
Shower Units	4	0	0	0	4
Dozers	1	0	0	0	1
Support Vehicles	7	0	0	0	7
Transports	6	3	0	0	9
Miscellaneous Other***	3	2	0	1	6
Totals	249	31	9	15	304

* "Other Federal" includes BIA and NPS.

** "Radios" includes both radio kits and repeaters.

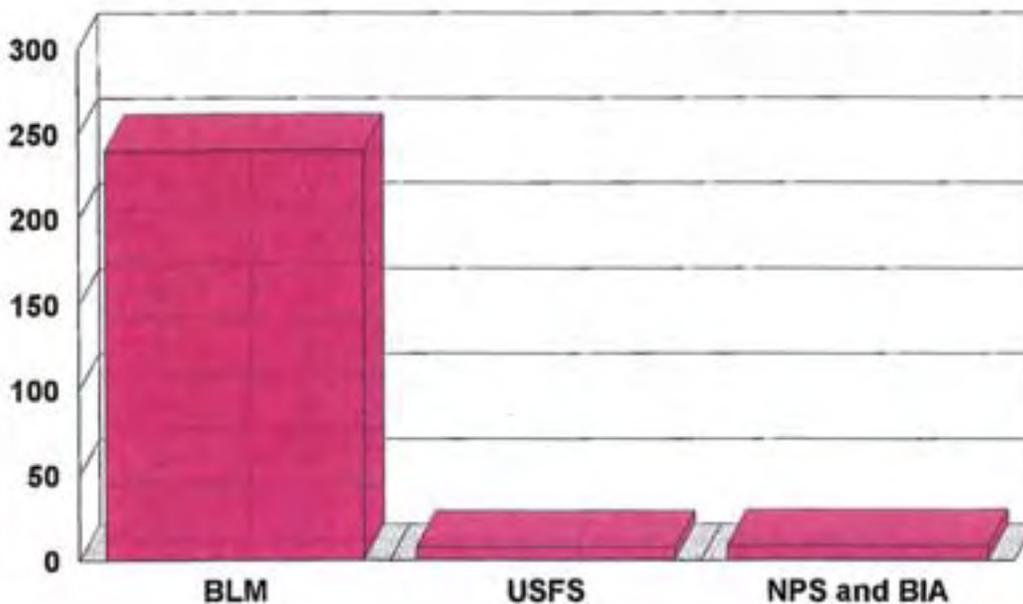
*** "Misc. Other" includes a fuel truck and probe-eyes.

Equipment Requests Processed by Location of Resource Filling the Request 1998

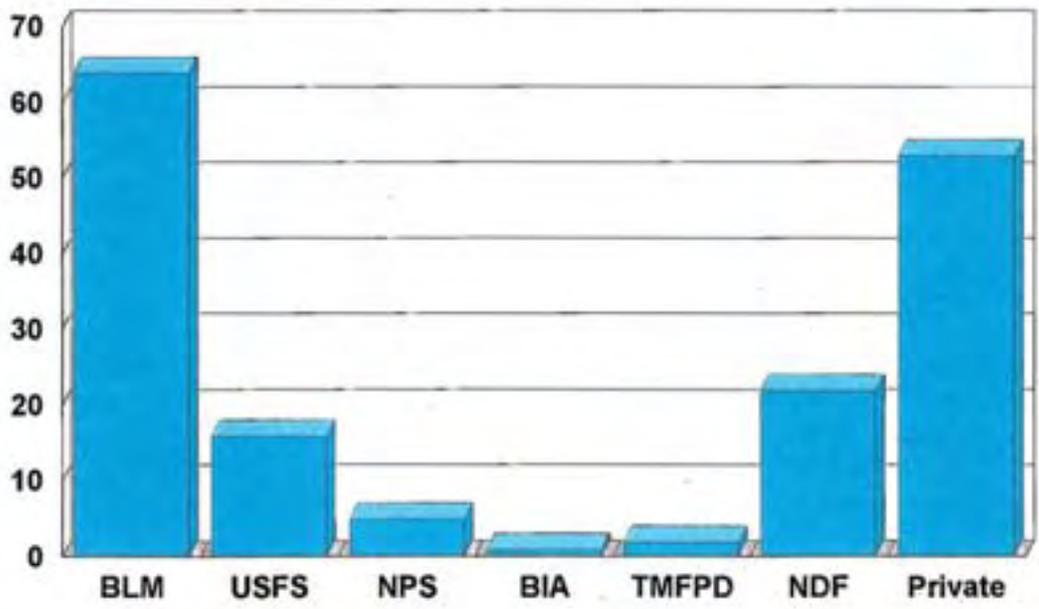


NIFC category includes items provided by the Radio Cache, Great Basin Cache, and national contracts (e.g., caterers, shower units).

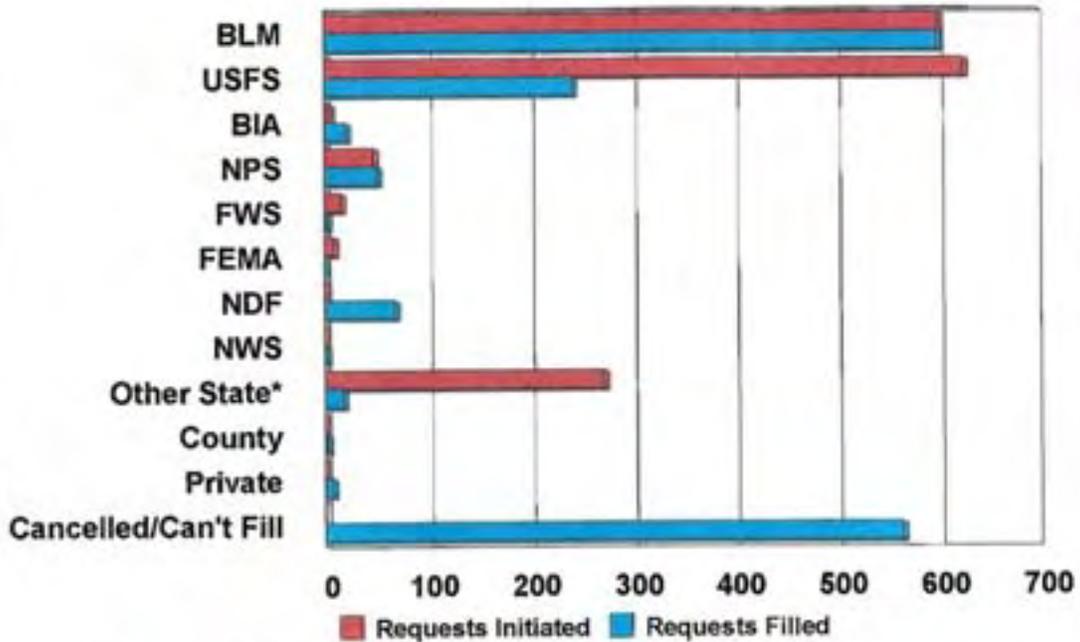
Equipment Requests Initiated by Nevada Units (Accounting for 85% of all Equipment Requests Processed by WGBCC) 1998



Equipment Requests Filled by Nevada Units
(Accounting for 60% of all Equipment Requests Filled by WGBCC)
1998



Overhead Requests by Agency 1998



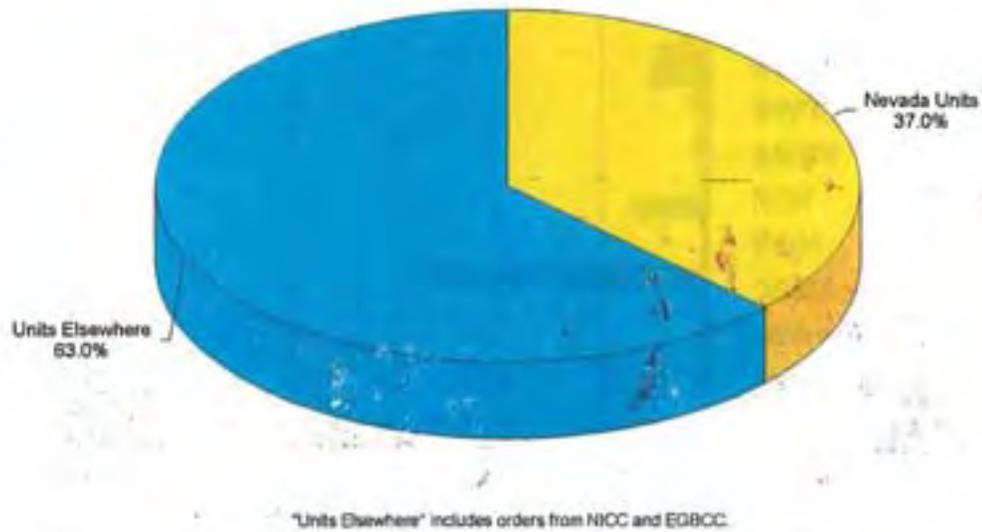
*Other States placing requests included Alaska, Idaho, California and Utah. Other States filling requests included Idaho.

Overhead Requests Classified as "Cancelled or Can't Fill" (by Function) 1998

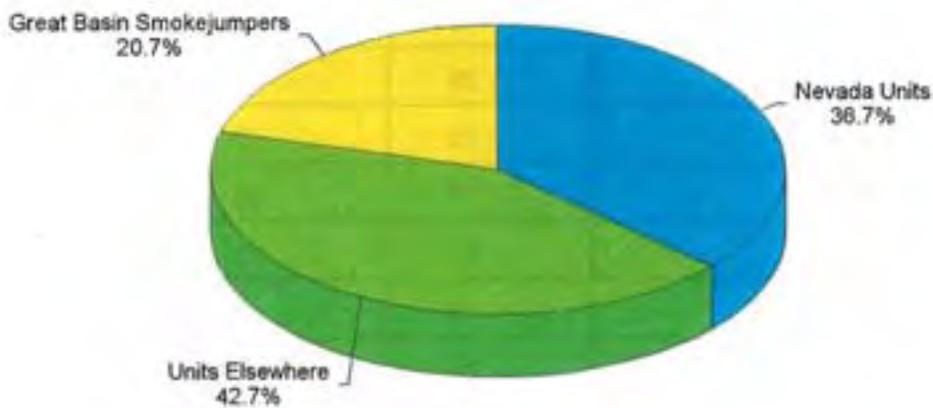
Function	Can't Fill	Cancelled	Total
Command	35	7	42
Dispatch	30	11	41
Finance	26	2	28
Logistics	32	9	41
Operations	75	30	105
Planning	47	6	53
Technical Specialist	24	3	27
Miscellaneous Other*	84	28	112
Smokejumpers	76	26	102
Prescribed Fire Positions	1	12	13
Totals	430	134	564

* "Other" category includes the Coordination and Supply function numbers separated from the dispatch category.

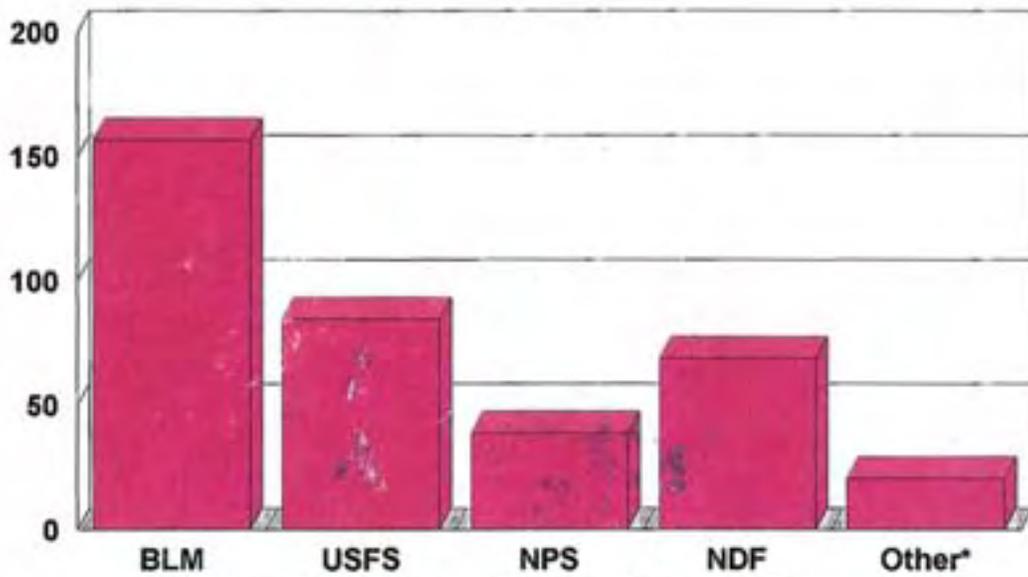
Overhead Requests Processed by Location of Unit Initiating the Request 1998



Overhead Requests Processed by Location of Resource Filling the Request 1998



Overhead Requests Filled by Nevada Units
(Accounting for 37% of all Overhead Requests Filled by WGBCC)
1998



Other category includes BIA, Truckee Meadows FPD, and Emergency Firefighter resources.

Total Smokejumper Requests Processed 1998	
Type of Request	Number of Requests
Initial Attack Load	57
Booster (individual jumpers)	326
Prescribed Fire Positions	59
Totals	442

Smokejumper Requests Initiated Separated by Requesting Agency 1998					
Type of Request	BLM	USFS	NPS	Other*	Total
Initial Attack Load	52	5	0	0	57
Booster (individual jumpers)	108	218	0	0	326
Prescribed Fire Positions	37	0	20	2	59
Totals	197	223	20	2	442

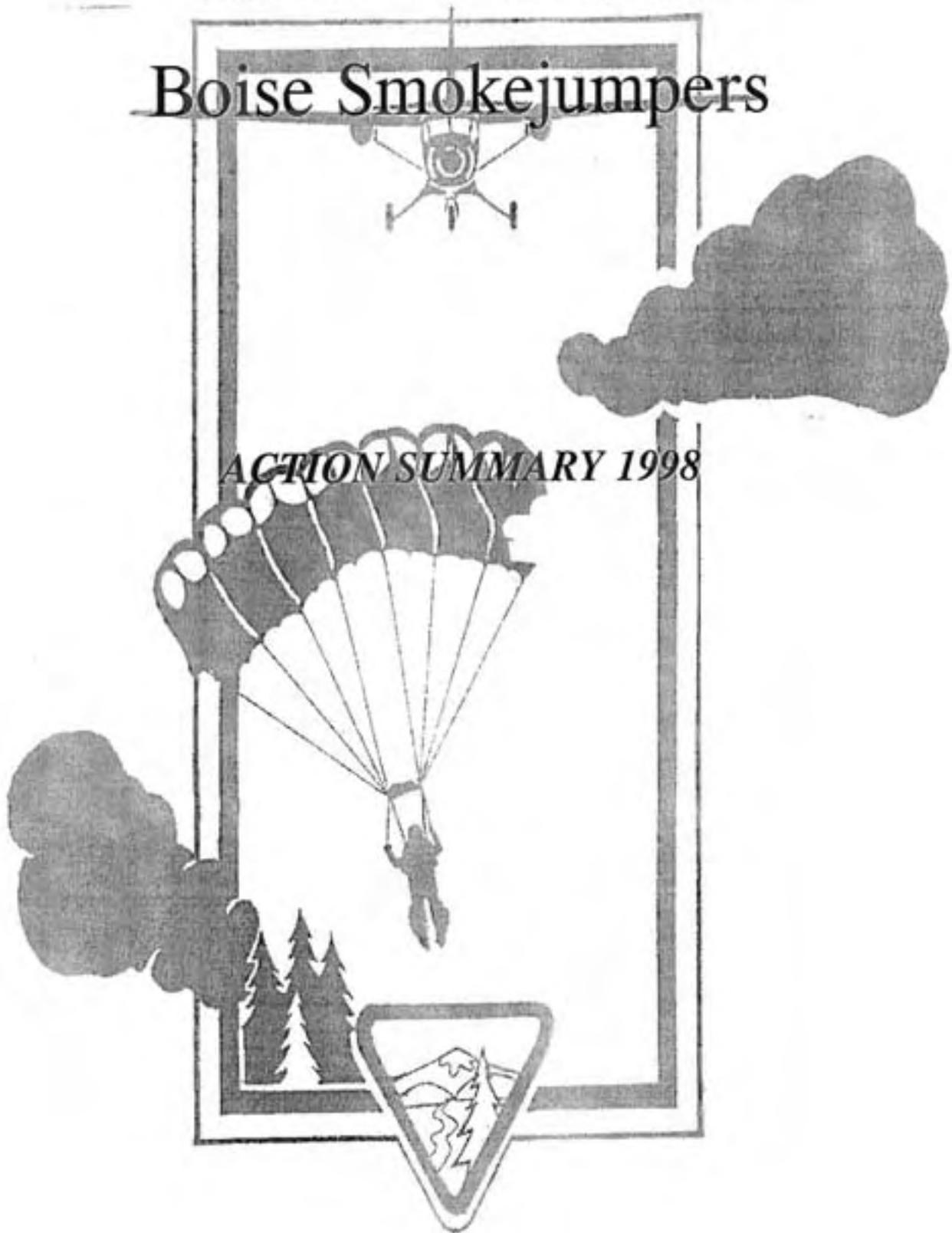
* Other includes FWS.

Smokejumper Requests Filled Separated by Agency Providing the Resource 1998				
Type of Request	BLM	USFS	Cancelled/ Can't Fill	Total
Initial Attack Load	51	5	1	57
Booster (individual jumpers)	93	132	101	326
Prescribed Fire Positions	46	0	13	59
Totals	190	137	115	442

Bureau of Land Management

Boise Smokejumpers

ACTION SUMMARY 1998



BLM BOISE SMOKEJUMPERS Action Summary 1998

1998 was an average fire season in the western United States. The BLM Boise Smokejumpers put 488 firefighters on 96 fires in Colorado, Utah, Nevada, California, Montana, New Mexico, Oregon, and Idaho. Most activity occurred in Nevada with 54% (52) of the fires jumped out of Battle Mountain, Elko, Winnemucca, Minden, and Ely. Colorado accounted for 25% of the action with 24 fires, while the other states accounted for a total of 23 fires. The first fire was on April 22 in Montana and the last was in California on September 4.

Four smokejumpers successfully completed initial ram-air parachute training. This included 2 rookies and 2 transfers from the USFS.

The Boise smokejumpers provided personnel to the West Yellowstone Interagency Smokejumper base and received smokejumper support from the Russian exchange program.

1998 showed a significant increase of Boise smokejumper participation in prescribed fire and hazardous fuel reduction projects in the Great Basin. Boise smokejumpers executed prescribed burns for land managers in Idaho, New Mexico Arizona, Montana, Nevada, and Oregon.

Summary Statistics:

Crew configuration: 65

63	Smokejumpers
1	Smokejumper Pilot
1	Staff Assistant

Fires attacked: 96

85	Jumped
9	Driven
2	Hiked from previous fire

Smokejumpers on fire: 488

IA effectiveness (time from IA to containment <24 hours):

IA fires	57/60 (95%)
Reinforcement fires	4/5 (80%)

Training and experimental jumps: 823

Total jumps: 1,275

Visiting jumpers used in Boise operations: 180 36.88 %

Alaska	96
McCall	39
Russia	27
West Yellowstone	3
Redding	2
Grangeville	13

Boise jumpers used in other smj operations: 130

Alaska	14
R-1	68
R-4	25
R-6	15
Russia	8

Fires by location:

State	# fires	Owner	District	# fires
California	4	USFS	Carson	4
Colorado	24	BLM	Craig	4
		BLM	Grand Junction	12
		STATE	Jefferson	1
		USFS	Bears Ear	1
		USFS	Clear Creek	1
		USFS	Grand Junction	2
		USFS	Pueblo	3
Idaho	5	BLM	Shoshone	1
		USFS	Boise	1
		USFS	Garden Valley	1
		USFS	Lowman	1
		USFS	Twin Falls	1
Montana	3	BLM	Ft. Howesl	
		USFS	Kalispel	1
		USFS	West Fork	1
Nevada	52	BLM	Battle Mountain	3
		BLM	Elko	14
		BLM	Ely	29
		BLM	Winnemucca	4
		USFS	Ely	1
		USFS	Minden	1
New Mexico	1	USFS	Taos	1
Oregon	2	BLM	Lakeview	2
Utah	8	BLM	Moab	4
		BLM	Richfield	1
		NPS	Hovenweep	1
		USFS	Moab	1
		USFS	Vernal	1

Fire missions by departure point:

Battle Mountain	17
Boise	7
Canyon City	1
Elko	2
Ely	31
Grand Junction	31
Lakeview	2
Minden	3
Wendover	5

Fires by Cause:

Arson	1
Children	3
Lightning	91
Unknown	1

Fire size distribution	# of fires	% growth from arrival to control
A (.1-.24 ac.)	31 (31.31%)	0
B (.24-9ac.)	31 (31.31%)	18
C (10-99 ac.)	26 (26.26%)	20
D (100-299 ac.)	10 (10.10%)	55
E (300-999 ac.)	1 (1.01%)	60
F (1000-4999 ac.)	0 (0.00%)	0
G (5000+ ac.)	0 (0.00%)	0

Number of Smokejumpers per fire:

2	36/96	(37.50%)
3-4	14/96	(14.58%)
5-6	10/96	(10.41%)
7-8	32/96	(33.33%)
8+	4/96	(4.16%)

Jumper/fire statistics, 1988-1998

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Smjs	140	236	237	122	133	147	827	282	1245	232	488
Fires	38	52	58	40	43	32	167	72	239	41	96

Parachuting injuries:

Injury	Category	Date	Cause
Broken wrist	Serious	5-7-98	Hard landing
Lacerated knee	Serious	9-6-98	Hard landing

* MTDC Parachute Landing Injury Data System categories are used here. They are:

Minor Injury: "Any injury that removes a jumper from jump status for 1 week or less, but allows the jumper to perform light duty with no lost time due to the injury."

Serious Injury: "Any injury that exceeds the definition of a minor injury."

Prescribed Fire Summary

Prescribed fire projects:	34
Rx Burns:	32+
Non-fire hazard fuel reduction:	2
Burn plans written:	11
Acres burned:	32,000
Mechanical fuel reduction acres	11
Smokejumpers on projects:	218
Person days on projects:	1200+

Projects By Agency

USFS	7 Projects	10,730 acres	3 Forests
USFWS	2 Projects	Approx. 1500 acres	2 Refuges
NPS	5 Projects	6055 acres	5 Parks
BLM	12 Projects	13,000 acres	5 Districts

BLM BOISE SMOKEJUMPERS RX FIRE ACTION 1998

Project Name	Location	Project Type	# Smjs	Person Days	Acres
Rawlins (burn plans)	WY-BLM	Write burn plans (winter)	3	21	5000+ planned
Clay Creek BOF	ID-USFS	Prescribed Fire (spring)	6	18	830
Pine Creek BOF	ID-USFS	Prescribed Fire (spring)	6	12	500
Grimes Creek	ID-USFS	Prescribed Fire (spring)	6	18	6000
Miles City (burn plans)	MT-BLM	Lay out units; write plans (spr)	1	10	1100 planned
7W - 6X	MT-BLM	Site Prep, Prescribed Fire(spring)	8	40	480
Juniper Burn	MT-BLM	Site Prep (Ignition Canceled) (spr)	8	16	13
Brewer Custer nf	MT-USFS	Site Prep & Prescribed Fire (spr)	8	32	1200
Kellog Canyon	NM-BLM	Site Prep & Prescribed Fire (spr)	4	4	279
Horse Mt.	NM-BLM	Mechanical Fuel Reduction (spr)	4	24	6
Chavez	NM-BLM	Prescribed Fire (spring)	4	28	100
Pelona Mt.	NM-BLM	Prescribed Fire (spring)	4	24	1000
Pelona Mt.	NM-BLM	Mechanical Fuel Reduction (spr)	4	8	5
Yainex Burn	OR-BLM	Site Prep & Prescribed Fire (spr)	10	70	1200
Timber Hill	OR-BLM	Prescribed Fire (spr)	10	30	100
Norcross	OR-BLM	Site Prep & Prescribed Fire (spr)	10	120	1765
Estates 1&2	OR-BLM	Site Prep & Prescribed Fire (spr)	10	20	260
Haymaker	OR-BLM	Site Prep & Prescribed Fire (spr)	10	40	30
Rx School Fl.	FL-USFS	Site Prep & Prescribed Fire (spring)	4	120	1600
Grand Canyon	AZ-NPS	Site Prep & Prescribed Fire (spring)	8	112	2500
Cedar City(burn plan)	UT-USFS	Lay out units; write plans (spr)	2	14	1880 planned
Hart Mtn.(FWS)	OR-FWS	Prescribed Fire (fall)	3	15	1000
Gerber(Lakeview BLM)	OR-BLM	Prescribed Fires(multi) 9/20/98	15	in progress	7000 to date
Grand Canyon (multiple)	AZ-NPS	Site Prep & Prescribe Fires (fall)	5	15	155
Hog, Coconino NF	AZ-USFS	Prescribed Fire (fall)	5	10	600
Chiminea #2-Seguaro NP	AZ-NPS	Prescribed Fire (fall)	14	168	2000
Cerritos Gap-El Malpais	NM-NPS	Prescribed Fire (fall)	4	7	1200
Burn plans-GBNP	NV-NPS	Lay out units; write plans (fall)	3	24	500 planned
Baker/Osceola-GBNP	NV-NPS	Prep. (Ignition cancelled) (fall)	10	80	200
Baker/Osceola-GBNP	NV-NPS	Prescribed Fire (fall)	6	24	200
Juniper(Miles City BLM)	MT-BLM	Prescribed Fire (fall)	10	20	300
Billings (burn plans)	MT-BLM	Lay out unit; write plan (fall)	2	48	250
Lewistown	MT-BLM	Lay out unit; write a plan (fall)	1	2	2400 planned
Lewistown	MT-BLM	Prescribed Fire-multi- burns (fall)	10	20	300
Totals			218	1,200+	30,618+