

Payette National Forest

2011 Annual Fire Report



Reed Ranch Fire, East Zone, Krassel Ranger District

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1. Payette National Forest Fire Management Organization

The Payette National Forest Fire Staff consists of the following positions:

- Gary Brown FAAM Branch Chief
- Randy Skelton FAAM Deputy Branch Chief
- Matthew Shaddle Forest Aviation Officer
- Gary Phillips Forest Fuels Specialist
- Alexis Martin Forest Fire Planner
- Frankie Romero Smokejumper Unit Manager
- Gary Murphy Dispatch Center Manager.



Figure 1: Payette National Forest Fire Management Zones

The Payette National Forest is divided geographically into three fire zones (see Figure 1):

- West Zone:
 - Monte Hurd Zone Fire Management Officer
 - Weiser and Council Ranger Districts.
- Central Zone:
 - Dave Vining Zone Fire Management Officer
 - New Meadows Ranger District and the non-wilderness portion of the McCall Ranger District.
- East Zone:
 - Tom Bates Zone Fire Management Officer
 - Krassel Ranger District and the wilderness portion of the McCall Ranger District.
- An Assistant Fire Management Officer (AFMO) and a Fire Operations Specialist (FOS) are assigned to each ranger district.

After the 2008 season, the Response Zones of the Payette National Forest were modified to incorporate sharing boundaries with Fire Management Units (FMU) in coherence with the Fire Management Plan, Fire Programming Analysis and Wildland Fire Decision Support System. All of the response zones now fall within an FMU and do not cross boundaries. These new boundaries are displayed in the 2009 Payette Dispatch Zone Map (see Figure 2) and were the standard used in the 2011 fire season.

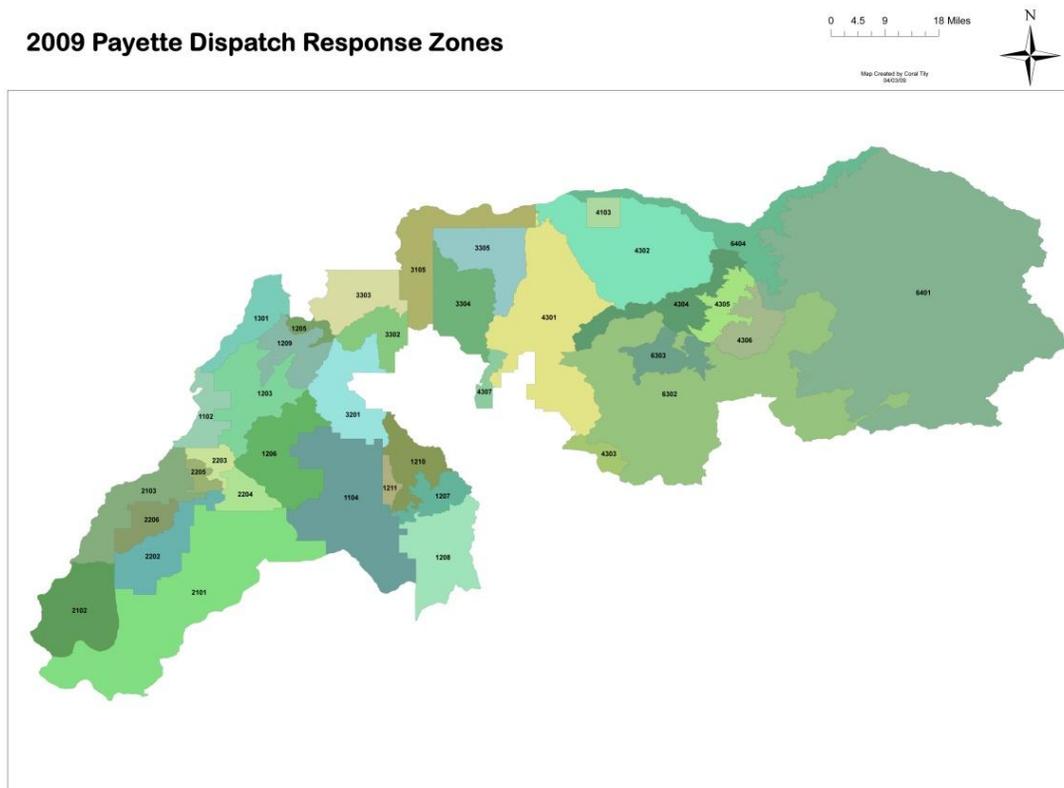


Figure 2: The 2010 Response Zones

2. Weather, Fuels, Indices, and Preparedness Level Summary

Precipitation

Precipitation at the McCall manual weather station for the 2010/2011 water year (Oct thru Sept) measured 96% of normal. Total precipitation for the water year was 25.54". This compares to the 50 year average (1961-2010) of 26.51". Some of the oddities of the season include: well above normal snow in December followed by below normal snow for January/February then a return to heavy snow in March. May/June saw precipitation at 163% of the 50 year average. July thru September had precipitation totals at 33% of normal. Figure 3 depicts the 2010/2011 water year precipitation amounts and the corresponding 50 year averages (1961-2010).

Similar to 2010, the disproportionate amount of precipitation and the slow snowpack melt in the spring played a major role in delaying, if not negating, the

live fuel moistures from reaching cured status before the late fall freeze. Regional Predictive Service Specialists and NWS Fire forecasters concur that the spring conditions played a major role in the minimal number of fire starts in 2011. Fuels were just not receptive to fire during the peak portion of the season.

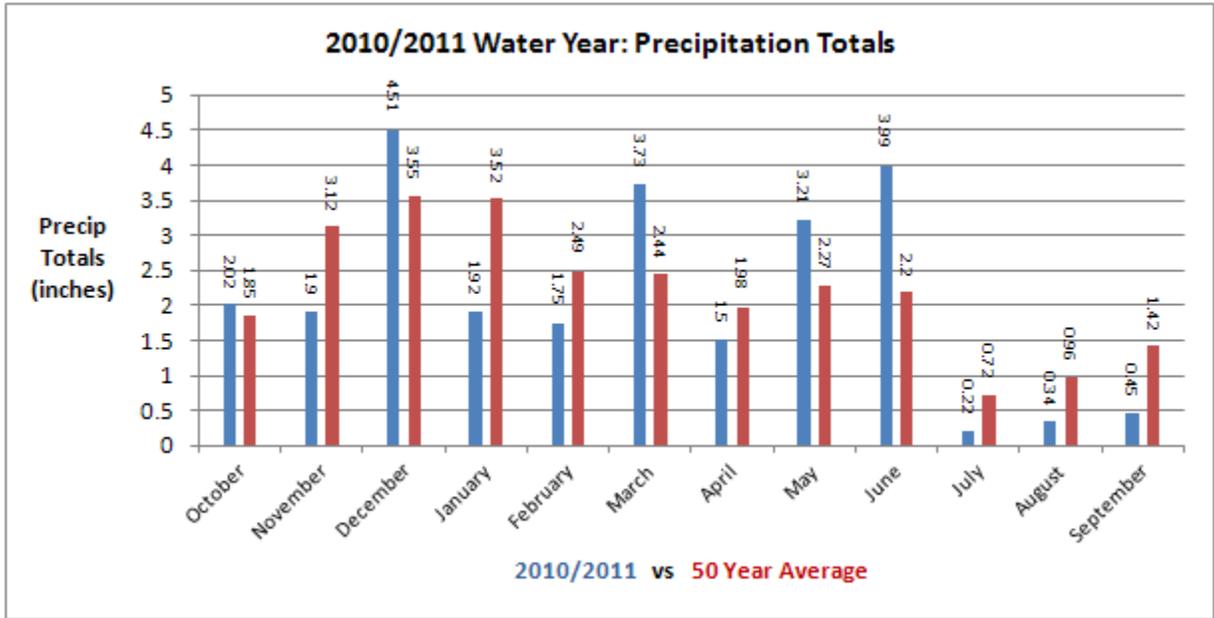


Figure 3: Graph of 2010/2011 Water Year in comparison to the 50 Year Average

Figure 4 depicts the accumulative deficit since 1986/1987. The 90's showed some recovery, but since 1999 we've been trending deeper into deficit each year.

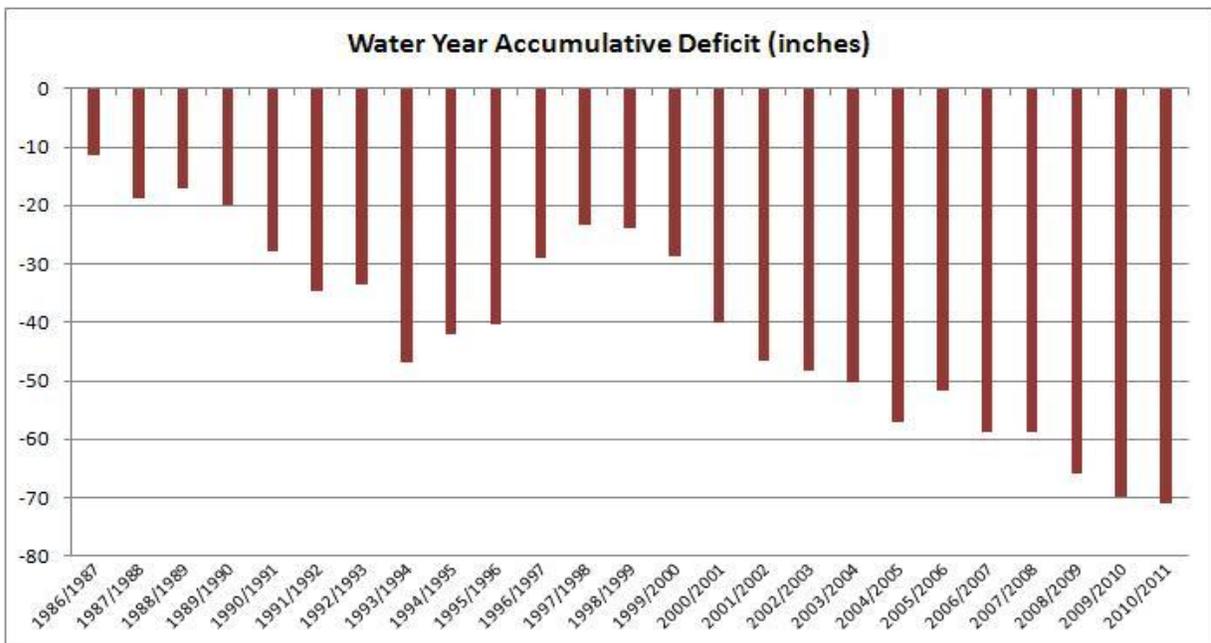


Figure 4: Water year accumulative deficit chart (1986-2011)

Snowpack

On May 1st, snowpack along the Snake River corridor and the West Zone was greater than 150% of normal and the Central and East Zones were 110-180%. Figure 5 graphically depicts the snowpack for the area. Figure 6 displays the precipitation and snow water equivalent for Bear Saddle (just west of Cambridge, ID) and Brundage Reservoir (just north of McCall, ID). Both graphs show the slow melt-off (Snow Water Equivalent – SWE), lingering at both sites till June 28th (about one month later than normal).

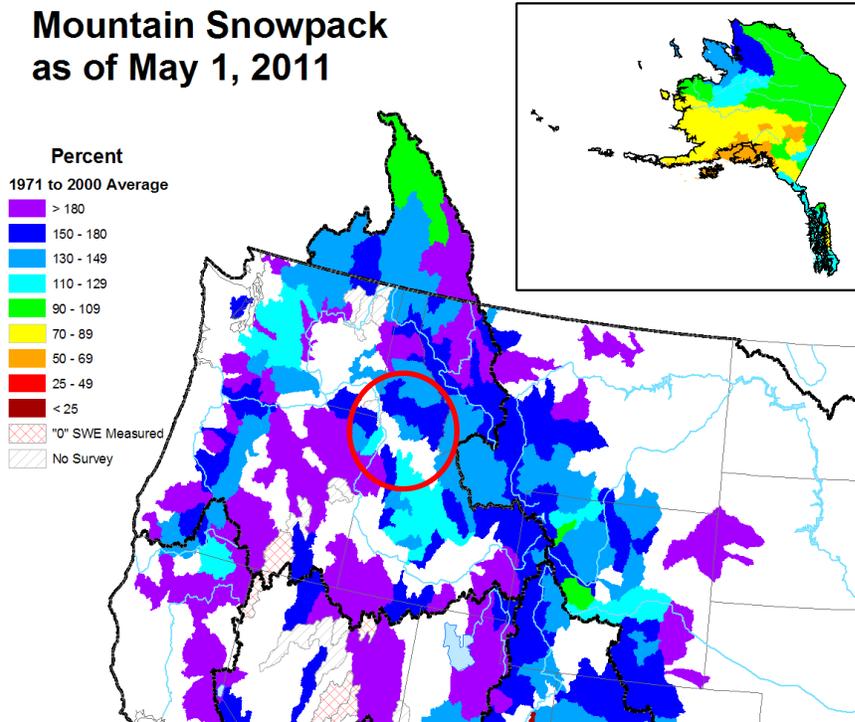
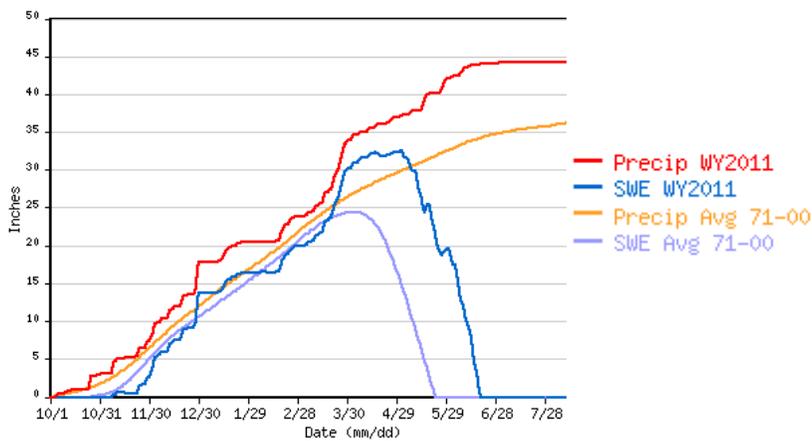


Figure 5: The snowpack for the western USA, with the Payette NF circled in red.

Bear Saddle Snotel



Brundage Reservoir

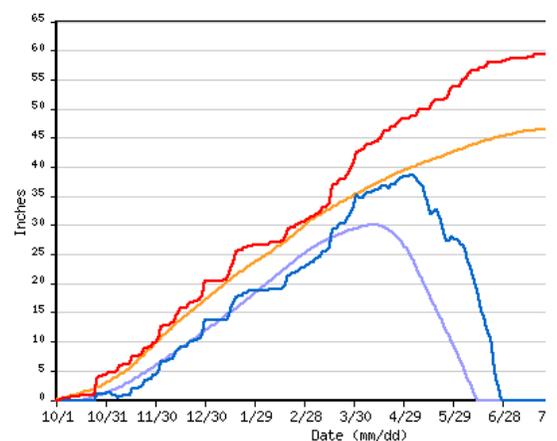


Figure 6: 2011 Snotel Graphs for Bear Saddle and Brundage Reservoir

Temperature

Temperatures during 2011 were close to normal. The 2011 average maximum temperature was 53°, one degree lower than the historic annual average maximum. The 2011 average minimum temperature was 27°; the same as the historic annual average minimum. Figures 7/8 show the maximum and minimum monthly temperatures for 2011 compared to the historic average monthly temperatures. The historic averages were calculated from 1930-2009 data from the Western Region Climate Center along with 2010-2011 from local data.

The maximum temperatures for February thru July were below normal. Then in August and September max temperatures were well above normal, with September being 7 degree higher than the 71 year average.

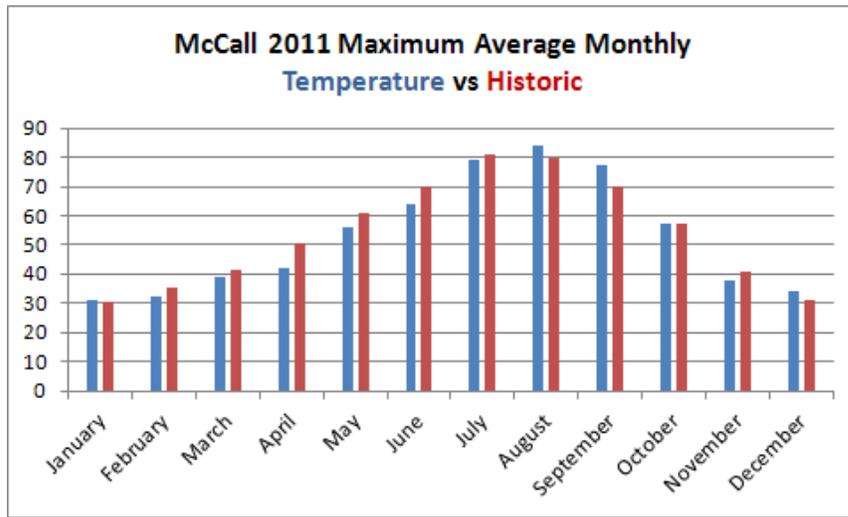


Figure 7: Maximum temperatures for 2011 compared to Historic

The minimum temperatures tended to be similar to the historic data except in August/September (higher) and November/December (lower).

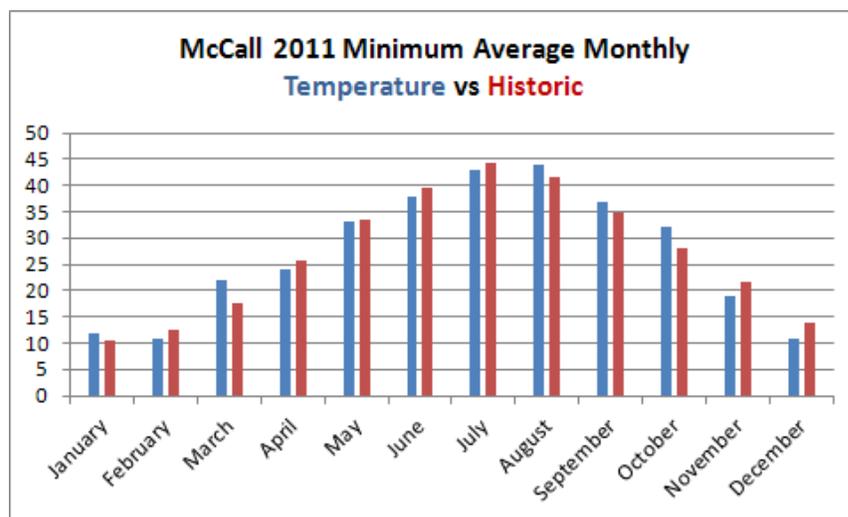


Figure 8: Minimum temperatures for 2011 compared to Historic

Fuels and Indices

The Payette NF tracks the NFDRS outputs of 1000 hour Fuel Moisture, Energy Release Component (ERC) and Burn Indices (BI) for five Payette NF RAWS sites.

The sites, with their associated NFDRS Fuel Model are Weiser (Model C), Lodgepole (Model G), Teapot (Model H), Snake (Model T) and Skihill (Model G). The Taylor Ranch site, new to the Payette NF RAWS sites, does not have sufficient historic data to accurately represent fire danger.

The general trend with all of the sites showed an early season (May/June) of below normal fire danger. This can be explained by spring's cool, wet weather and slow snowpack melt. In July, the weather changed to a three month pattern of below normal precipitation and above normal temperatures. By the end of August, into September, all indices were within the top 10% of fire danger. At the start of October, a cold front came into the zone bringing significant rain/snow and much cooler temperatures. All indices dropped back to minimal fire danger levels.

Weekly manual 1000 hour Fuel Moistures were also taken at the Skihill and Weiser RAWS sites. These kiln-dried samples confirmed calculated values.

Figures 9-13 display the indices trend lines for the five RAWS sites: Lodgepole (101044), Weiser (101108), Snake River (101109), Teapot (101220) and Skihill (101223).

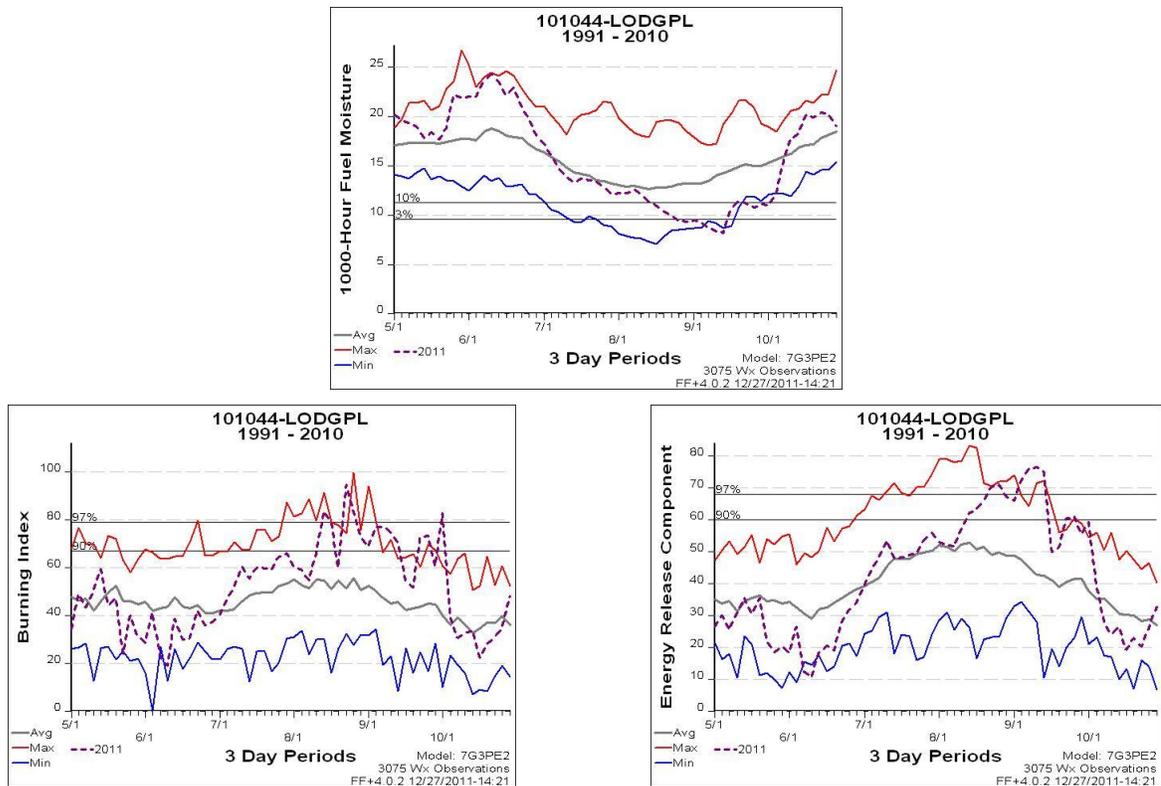


Figure 9: 1000 hr, BI and ERC trend lines for Lodgepole RAWS

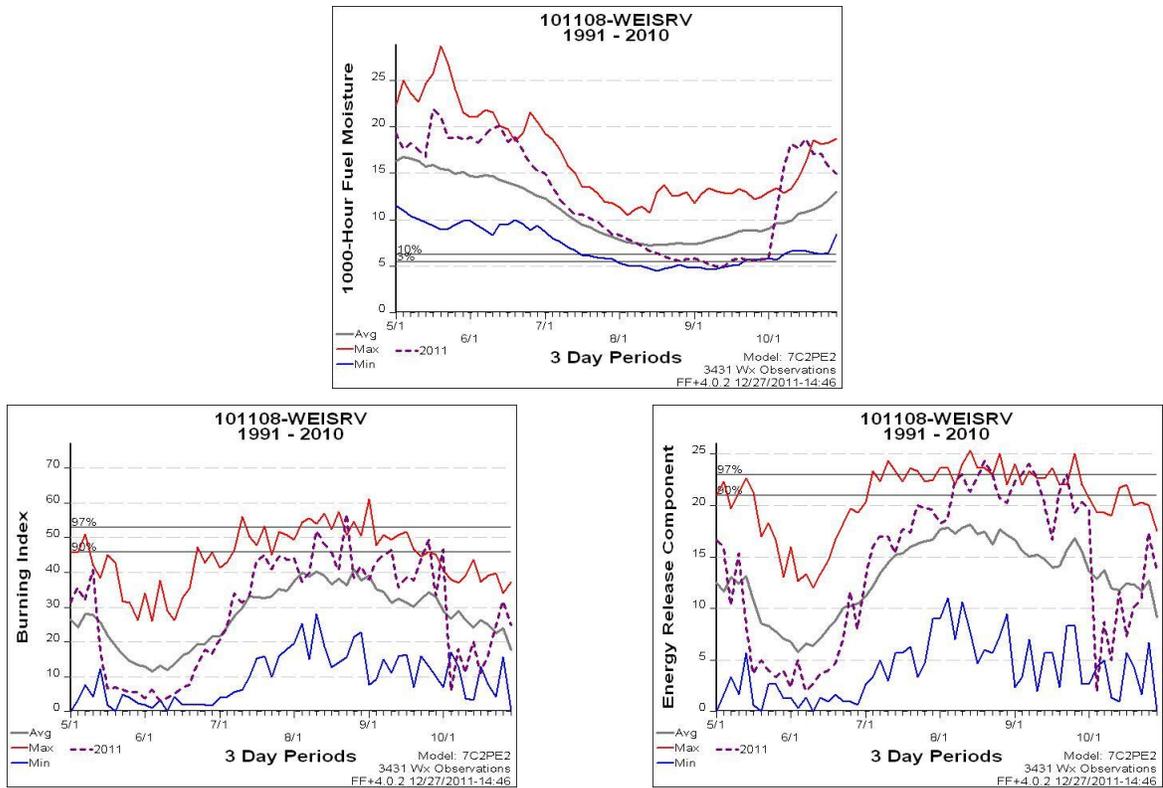


Figure 10: 1000 hr, BI and ERC trend lines for Weiser River RAWS

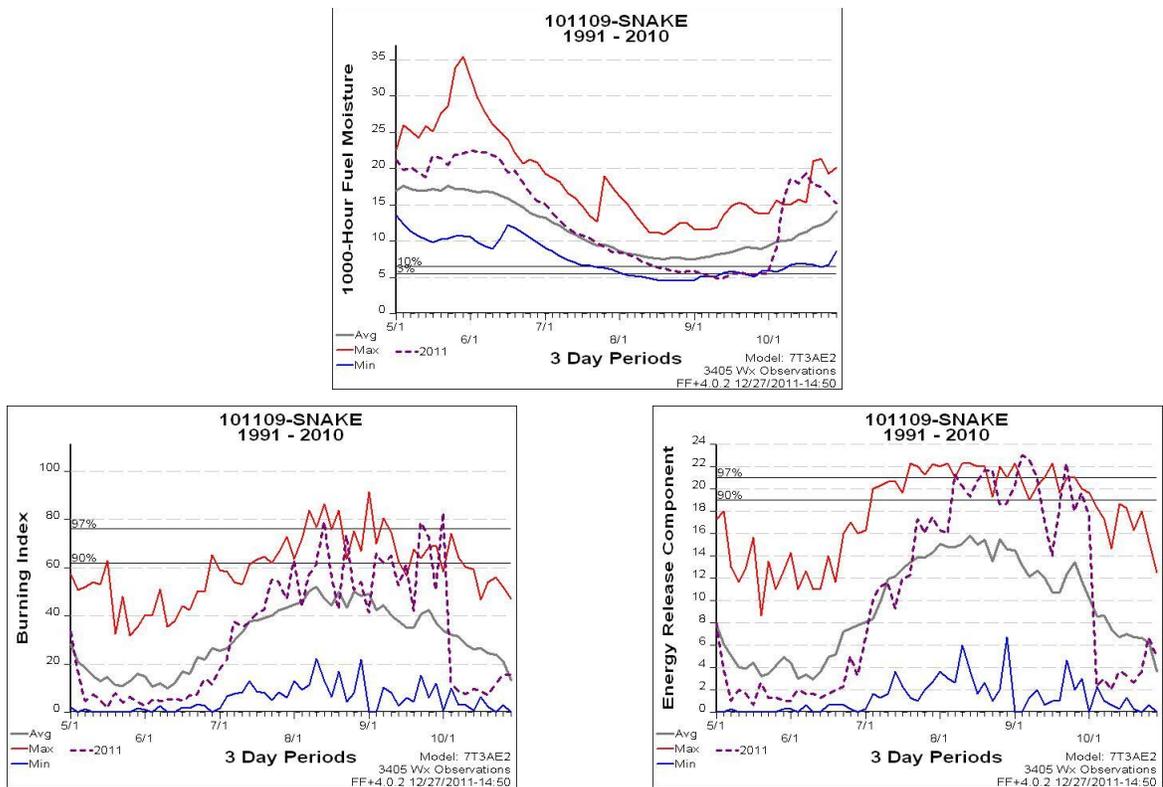


Figure 11: 1000 hr, BI and ERC trend lines for Snake River RAWS

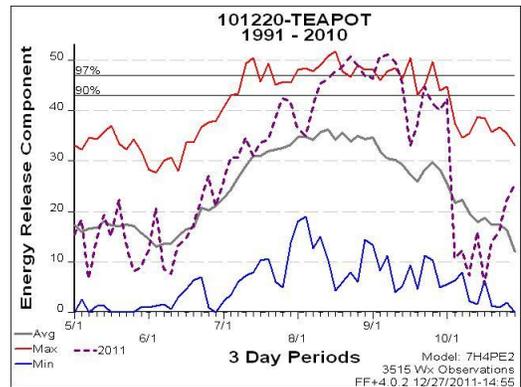
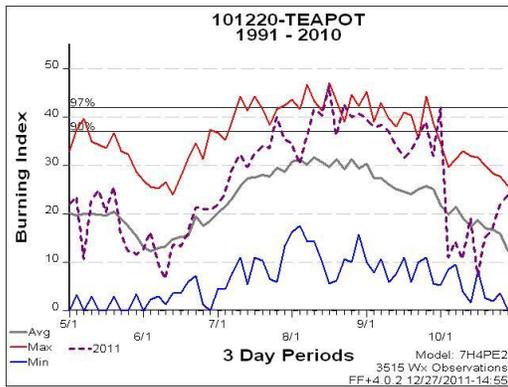
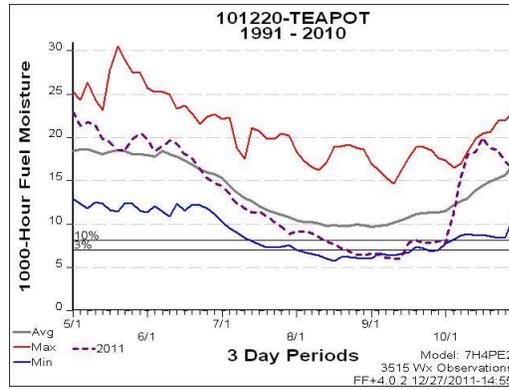


Figure 12: 1000 hr, BI and ERC trend lines for Teapot RAWS

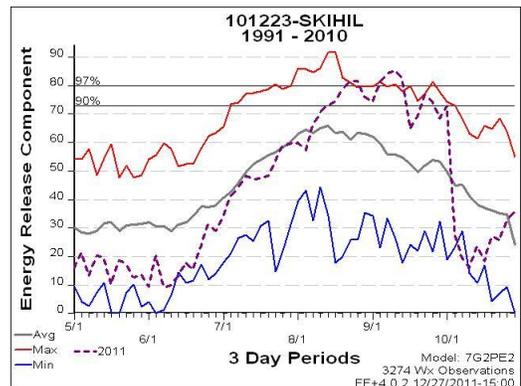
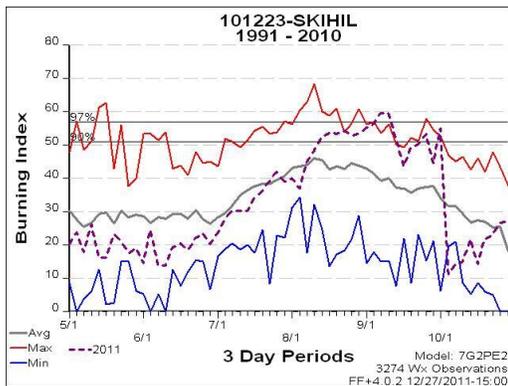
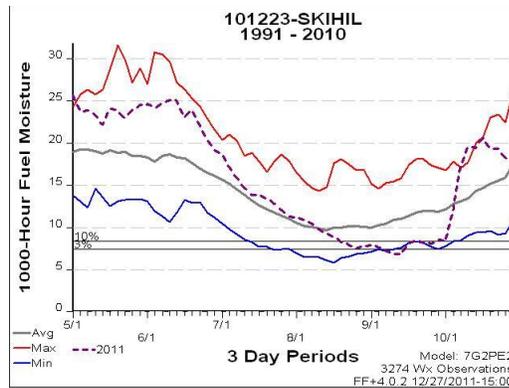


Figure 13: 1000 hr, BI and ERC trend lines for Skihill RAWS

Preparedness Levels

Figure 14 shows the preparedness levels for the 2011 season (blue) and the average preparedness level (red) since 2002. The levels throughout 2011 reflected the weather and fire activity experienced on the forest; early season with cooler, wet conditions then lingering warm and dry conditions thru September. No days registered in the 5 category.

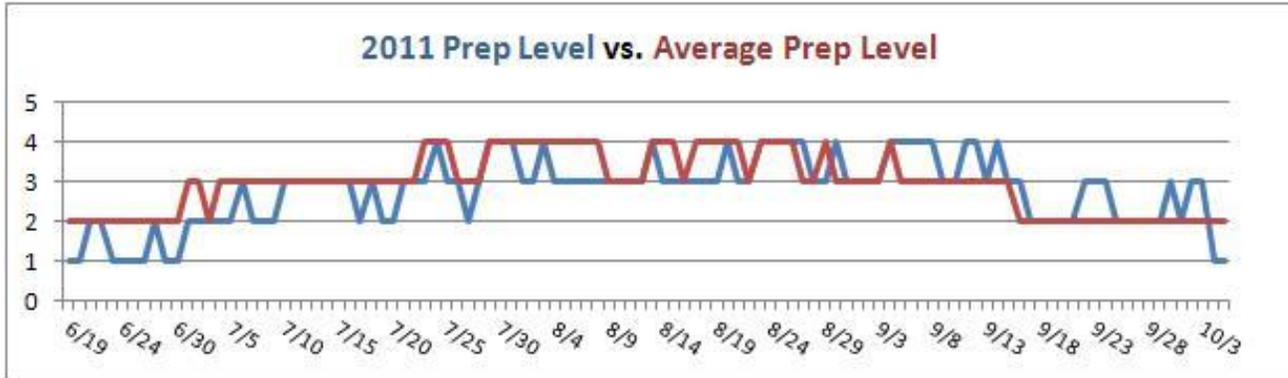


Figure 14: Preparedness Levels for the 2011 fire season vs. average since 2002

Figure 15 shows the distribution of preparedness levels throughout the fire season. Preparedness levels were calculated from June 16 thru October 5 in 2011.

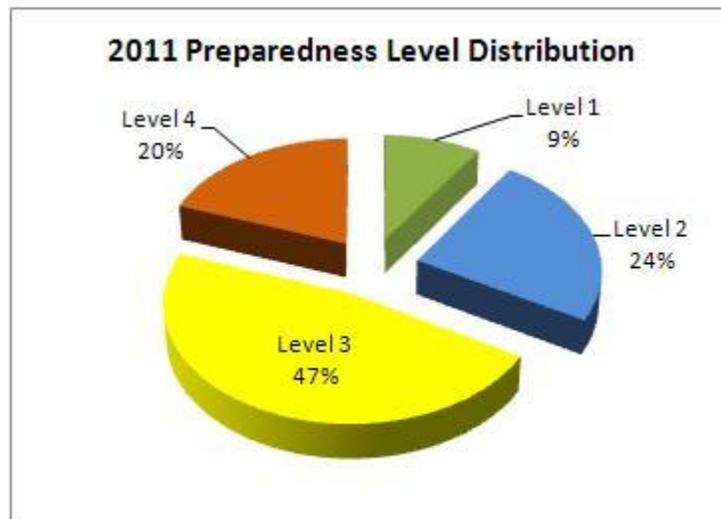


Figure 15. Preparedness Level distribution for the 2011

3. Wildland Fire Management



Black Tip Fire, Central Zone, McCall Ranger District

Fire activity for the 2011 season was well below normal in both fire starts and acres burned. Slow spring snowpack melt and above average precipitation in June influenced the fire activity. The forest had 59 fires in 2011 for a total of 1,345 acres. The previous 20-year average using the data years of 1991-2010 had an average of 121 fires per year with a total of 66,700 acres burned. 2011 was the fourth year in a row with combined fires and acres below the 20 year averages. Figure 16 displays the fire numbers graphically and Table 1 displays the acreage amounts.

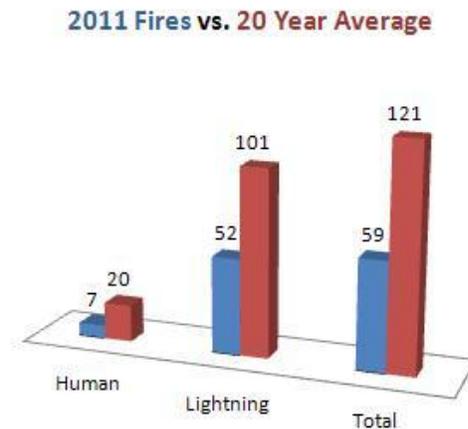


Figure15: Comparison of 2011 fire numbers to the 20-year average

	2011 Acres	20-Year Average Acres
Human	272.20	1,592.81
Lightning	1,073.18	65,107.90
Total	1,345.38	66,700.70

Table 1: The comparison of acres for 2011 and the 20-year average

Table 2 details the previous 20 years (1991-2010) of fire activity on the Payette National Forest.

Year	Lightning Fires	Lightning Acres	Human Fires	Human Acres	Total Fires	Total Acres
2010	36	528.66	12	745.00	48	1,273.66
2009	42	331.03	11	278.70	53	609.73
2008	39	6,074.96	36	5,657.40	75	11,732.36
2007	74	470,217.69	21	709.35	85	470,924.04
2006	149	70,535.4	21	9.2	170	70,544.6
2005	48	70,118.9	24	3,433.9	72	73,552.8
2004	58	1,458.0	15	400.8	73	1,858.8
2003	71	23,322.8	21	1,997.8	92	25,320.6
2002	125	856.5	20	28.6	145	885.1
2001	78	3,068.2	27	328.1	105	3,396.3
2000	111	343,180.4	14	169.7	125	343,350.1
1999	102	14,941.3	31	5,996.6	133	20,937.9
1998	118	12,440.5	8	43.9	126	12,484.4
1997	45	110.2	13	94.1	58	204.3
1996	144	9,845.2	21	154.7	165	9,999.9
1995	121	65.4	10	2.1	131	67.5
1994	271	302,651.4	19	82.9	290	302,734.3
1993	55	10.5	8	30.7	63	41.2
1992	177	34,785.3	20	2,872.8	197	37,658.1
1991	145	1,677.3	26	8,816.6	171	10,493.9

Table 2: Payette National Forest fire activity for the years 1991-2010

Of the 59 fires occurring in the Payette NF Response Area, 51 were suppressed and 8 were managed for resource objectives. All of the suppression fires were deemed IA successes using the criteria identified below.

- The initial strategy of the FMP is not exceeded
- Local resources are primarily used, but limited non-local resources can be used
- Incident is normally one operational period for contain/control, though mop up may extend as necessary
- Extensive logistical support is not necessary

Within the Payette NF Response Area, fire resources primarily responded to fires occurring on Payette National Forest land. But resources also responded to fires on BLM, State of Idaho and Private lands. Table 3 outlines the number of fires and acres by land owner.

Land Owner	Number of Fires	Acres
Payette National Forest	50	1,070.5
Bureau of Land Management	3	3.9
State of Idaho	1	0.4
Private	5	270.6

Table 3: The number of fires and acres per land ownership

Fire occurrence was minimal in 2011. Multiple lightning storms tracked over the forest, but there were few starts. Figure 17 shows the occurrence of new starts relative to the 2011 fire season. The two biggest events of the season were at the beginning and end of August. The busiest day was August 29th with 17 new starts. The first start was on July 18th and last on November 3rd.

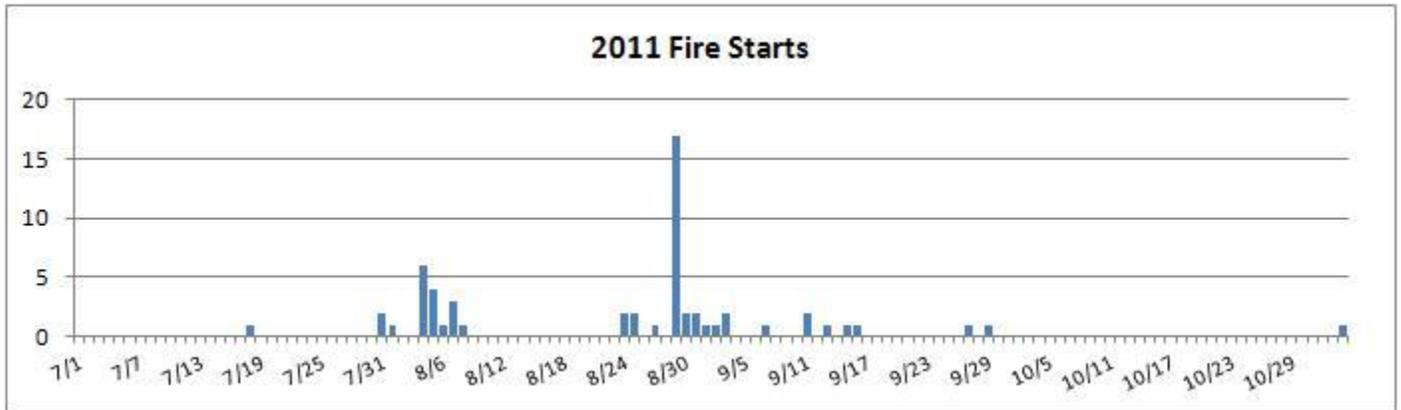


Figure 17: Occurrence of new starts relative to the 2011 fire season

A breakdown of the statistical causes of fires on the Payette NF is shown in Table 4.

Statistical Cause	Occurrence
Lightning	52
Equipment Use	1
Smoking	0
Campfire	2
Debris Burning	0
Railroad	0
Arson	0
Children	0
Miscellaneous	4

Table 4: 2011 statistical causes of fires

Of the 59 fires, seven were managed for resource objectives with a monitor/confine/contain strategy for a total of 1,032.7 acres. The largest fire of this category was the Burnt Knob Fire on the Krassel District for 490 acres. Five fires were within the Frank Church River of No Return (FCRNR) Wilderness area. Table 5 details these eight fires.

Fire Name	Cause	Date	Size	District
Ramey	Lightning	08/05/11	0.10	6
Cutthroat	Lightning	08/08/11	0.10	6
Cottonwood	Lightning	08/25/11	65.00	6
Trout	Lightning	08/29/11	15.00	6
Black Tip	Lightning	08/30/11	2.50	4
Burnt Knob	Lightning	09/03/11	490.00	6
Black Cougar	Lightning	09/27/11	460.00	6

Table 5: The breakdown of fire managed for resource objective in 2011

Methods of fire detection are shown in Figure 17. The chart depicts the number of fires detected by method. The majority of fires were detected by lookouts and agency aircraft, but the public (residents and passerby's) also assisted greatly.

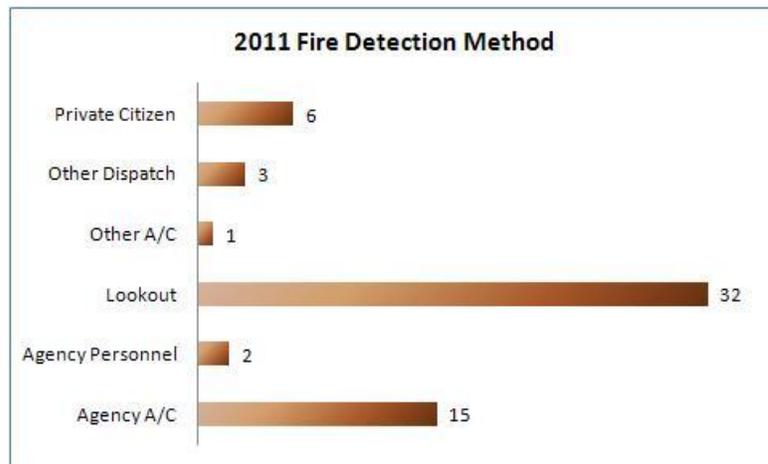


Figure 17: 2011 Fire detection methods

The map of the fire activity is shown in Figure 19. Table 6 (p. 15) shows details of all 59 fires.

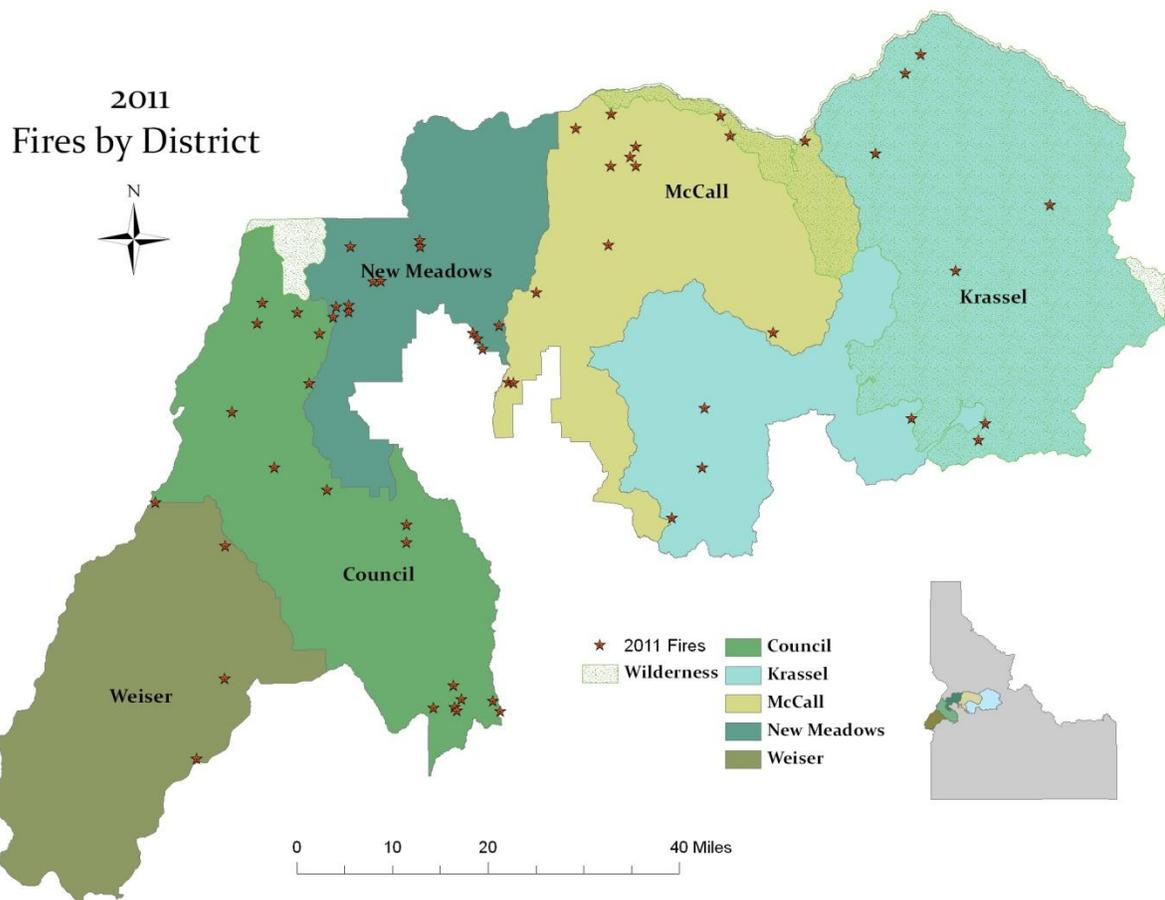


Figure 19: The map of fire activity for 2011

In 2011, the Payette National Forest had fires ranging in Size Class from less than 0.25 acres (A) to 300-999 acres (E). Figure 20 shows the distribution of fires to their Size Class for 2011.

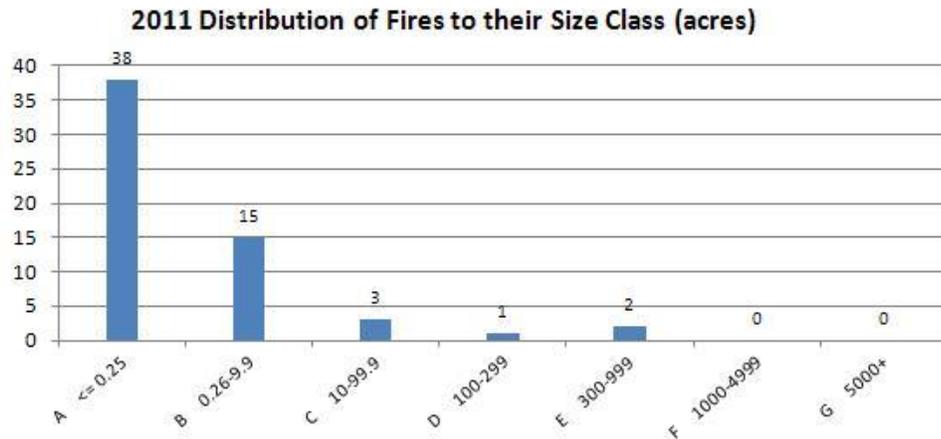


Figure 20: 2011 distributions of fires to size class (by acre range)

The complexities of the 2011 fires were primarily Type 5. Figure 21 shows the distribution of the fires by their complexity.

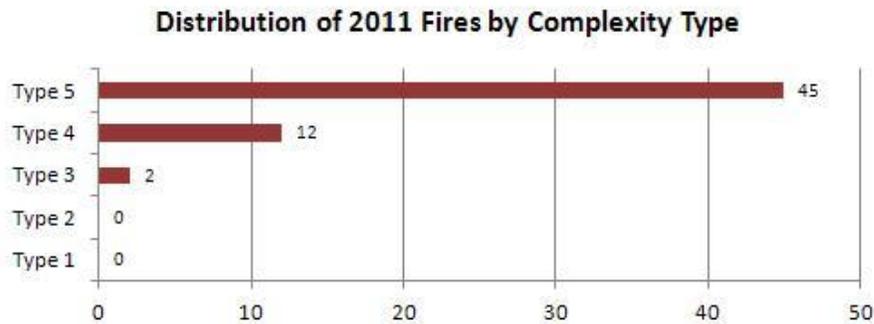


Figure 21: Distributions of fires to Complexity Type

Figure 22 shows the number of shifts that were taken on the fifty-two (52) full suppression fires from Initial Attack to the day the fire was called out. The chart does not include the 8 monitor fires.

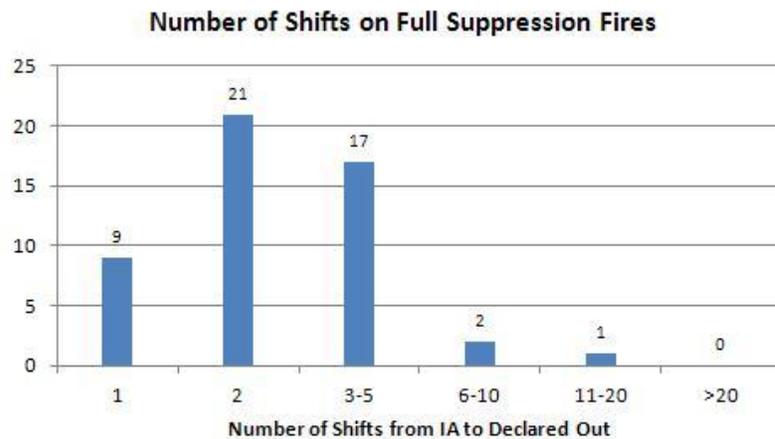


Figure 22: Number of shifts from IA to date declared out.

Table 6 shows details of all 2011 fires. Monitor fires are designated with an asterisk (*) before the fire name.

S.O #	Date	Fire Name	Incident #	Legal	Dist	Acres	Class	Comp	Cause	Owner	Out Date	P Code	
1	07/18/11	Honeymoon	ID-PAF-011013	18 N	2W 36NEN W	1	0.4	B	5	L	STATE	7/20/2011	P4EKW 7
2	07/31/11	Camp	ID-PAF-011017	22 N	1E 27 SESE	3	2	B	4	H	PRI	8/5/2011	P4F8W V
3	07/31/11	Rest Stop	ID-PAF-011015	13 N	4W 22 NWSE	2	257	D	3	H	PRI	8/16/2011	P4F8XE
4	08/01/11	Cuddy	ID-PAF-011016	17 N	3W 30 SWSE	2	0.1	A	5	L	FS	8/2/2011	P4EKW 7
5	08/04/11	Sixmile	ID-PAF-011020	20 N	2E 14 NWSE	3	0.1	A	5	L	FS	8/5/2011	P4EKW 7
6	08/04/11	Potato	ID-PAF-011019	14 N	2E 20 NWNW	1	0.1	A	5	L	FS	8/4/2011	P4EKW 7
7	08/04/11	Dog Creek	ID-PAF-011021	14 N	2E 7 SENW	1	1	B	5	L	FS	8/5/2011	P4EKW 7
8	08/04/11	Tatertot	ID-PAF-011022	14 N	2E 19 SWSE	1	0.1	A	5	L	FS	8/5/2011	P4EKW 7
9	08/04/11	Goose	ID-PAF-011023	20 N	2E 15	3	0.1	A	5	L	FS	8/6/2011	P4EKW 7
10	08/04/11	Granite	ID-PAF-011024	20 N	2E 10	3	0.1	A	5	L	FS	8/6/2011	P4EKW 7
11	08/05/11	Sugar	ID-PAF-011018	19 N	10 E 30	6	0.1	A	5	L	FS	8/6/2011	P4EKW 7
12	08/05/11	French Fry	ID-PAF-011025	14 N	2E 23	1	0.1	A	5	L	FS	8/5/2011	P4EKW 7
13	08/05/11	* Ramey	ID-PAF-011026	21 N	10 E 12	6	0.1	A	5	L	FS	8/17/2011	P4EKW 7
14	08/05/11	Hashbrown	ID-PAF-011027	14 N	2E 30	1	0.1	A	5	L	FS	8/5/2011	P4EKW 7
15	08/06/11	Sweet Potato	ID-PAF-011028	14 N	1E 23	1	3.5	B	4	L	PRI	8/12/2011	P4EKW 7
16	08/07/11	Lightning	ID-PAF-011029	19 N	11 E 33	6	0.1	A	5	L	FS	8/8/2011	P4EKW 7
17	08/07/11	Marble	ID-PAF-011030	18 N	11 E 8	6	0.25	A	5	L	FS	8/9/2011	P4EKW 7
18	08/07/11	Sheep	ID-PAF-011031	14 N	2E 25 SWSW	1	0.1	A	5	L	FS	8/8/2011	P4EKW 7
19	08/08/11	* Cutthroat	ID-PAF-011033	23 N	9E 3	6	0.1	A	5	L	FS	8/17/2011	P4EKW 7
20	08/25/11	Summit	ID-PAF-011034	19 N	3W 19 NWSE	1	0.66	B	4	L	FS	8/27/2011	P4EKW 7
21	08/24/11	Smith Mt	ID-PAF-011035	21 N	2W 28 SENW	1	0.5	B	4	L	FS	8/26/2011	P4EKW 7
22	08/25/11	* Cottonwood	ID-PAF-011036	22 N	12 E 3 NESW	6	65	C	3	L	FS	10/17/2011	P4EKW 7
23	08/24/11	Pine Creek	ID-PAF-011037	14 N	3W 6 SESW	2	3.7	B	4	L	BLM	8/27/2011	P4EKW 7
24	08/27/11	Duke	ID-PAF-011039	17 N	5W 1 NWSW	1	8	B	4	H	PRI	8/27/2011	P4GC1A
25	08/29/11	Mackay Bar	ID-PAF-011040	24 N	8E 32 SWSE	4	22	C	4	L	FS	8/30/2011	P4EKW 7
26	08/29/11	Rugged	ID-PAF-011041	24 N	7E 30 SWSW	4	0.1	A	5	L	FS	8/30/2011	P4EKW 7
27	08/29/11	Rabbit	ID-PAF-011042	24 N	6E 14 SESE	4	0.1	A	5	L	FS	8/30/2011	P4EKW 7
28	08/29/11	Marshall	ID-PAF-011048	23 N	5E 09 NWSE	4	0.1	A	5	L	BLM	8/30/2011	P4EKW 7
29	08/29/11	Brundage	ID-PAF-011043	19 N	3E 6 NENE	4	0.25	A	5	L	FS	8/31/2011	P4EKW 7
30	08/29/11	Goose 2	ID-PAF-011044	20 N	2E 1 SWNE	3	0.1	A	5	L	FS	8/29/2011	P4EKW 7
31	08/29/11	Paradise	ID-PAF-011045	22 N	1W 20 SWNE	3	0.25	A	5	L	FS	8/31/2011	P4EKW 7
32	08/29/11	Ant Basin A	ID-PAF-011046	21 N	1W 29 SWNE	3	0.1	A	5	L	FS	8/31/2011	P4EKW 7
33	08/29/11	Willow	ID-PAF-011047	23 N	5E 5 NWSE	4	0.1	A	5	L	FS	8/30/2011	P4EKW 7

34	08/29/11	Devils Ladder	ID-PAF-011049	21 N	1W	11 NWSE	3	0.1	A	5	L	FS	8/30/2011	P4EKW 7
35	08/29/11	Huckleberry	ID-PAF-011050	20 N	2W	3 NWSE	1	0.44	B	4	L	FS	8/31/2011	P4EKW 7
36	08/29/11	* Trout	ID-PAF-011051	25 N	10 E	16 NWSW	6	15	C	5	L	FS	10/17/2011	P4EKW 7
37	08/29/11	Hoo Hoo	ID-PAF-011052	19 N	2W	3 NENW	1	0.1	A	5	L	FS	8/30/2011	P4EKW 7
38	08/29/11	Ant Basin B	ID-PAF-011053	21 N	1W	29 SWSE	3	0.1	A	5	L	FS	8/31/2011	P4EKW 7
39	08/29/11	Rapid Chicken	ID-PAF-011054	21 N	1W	31	3	0.1	A	5	L	FS	8/30/2011	P4EKW 7
40	08/29/11	Twin Lakes	ID-PAF-011055	21 N	1W	19 SWNW	3	0.1	A	5	L	FS	8/31/2011	P4EKW 7
41	08/29/11	Peck Mt	ID-PAF-011056	18 N	2W	18 NWSW	1	1.5	B	4	L	FS	8/30/2011	P4EKW 7
42	08/30/11	Bear Trap	ID-PAF-011057	24 N	5E	33	4	0.1	A	5	L	BLM	8/30/2011	P4EKW 7
43	08/30/11	* Black Tip	ID-PAF-011058	21 N	3E	15 SESW	4	2.5	B	5	L	FS	10/4/2011	P4EKW 7
44	08/31/11	Savage	ID-PAF-011059	20 N	7E	11 SENW	4	0.2	A	5	L	FS	9/1/2011	P4EKW 7
45	08/31/11	Krassel	ID-PAF-011061	19 N	6E	15	6	0.2	A	5	L	FS	9/1/2011	P4EKW 7
46	09/01/11	Pinehurst	ID-PAF-011062	22 N	1E	22 SENW	3	0.1	A	5	H	PRI	9/2/2011	P4GD7 N
47	09/02/11	Carey	ID-PAF-011063	24 N	4E	13	4	0.13	A	5	L	FS	9/4/2011	P4EKW 7
48	09/03/11	Bronco	ID-PAF-011064	21 N	3W	35 NWSW	1	0.1	A	5	L	FS	9/4/2011	P4EKW 7
49	09/03/11	* Burnt Knob	ID-PAF-011065	25 N	10 E	30 SENW	6	490	E	5	L	FS	10/17/2011	P4GE9L
50	09/07/11	Hackett	ID-PAF-011067	24 N	4E	21 NWSW	4	0.1	A	5	L	FS	9/9/2011	P4EKW 7
51	09/11/11	Reed Ranch	ID-PAF-011068	18 N	6E	21 SWNE	6	2	B	4	L	FS	9/14/2011	P4EKW 7
52	09/11/11	Cold Springs	ID-PAF-011067	21 N	1W	12 SWNW	3	0.2	A	5	L	FS	9/14/2011	P4EKW 7
53	09/13/11	Ruby	ID-PAF-011070	22 N	4E	24	4	0.2	A	5	L	FS	9/15/2011	P4EKW 7
54	09/15/11	Brundage 2	ID-PAF-011071	19 N	3E	6 SENE	4	0.1	A	5	L	FS	9/22/2011	P4EKW 7
55	09/16/11	Shingle	ID-PAF-011072	17 N	1E	20 NWNE	1	0.1	A	5	L	FS	9/16/2011	P4EKW 7
56	09/25/11	Dome	ID-PAF-011077	23 N	4E	12 SWNW	4	3	B	4	H	FS	9/29/2011	P4GG63
57	09/27/11	* Black Cougar	ID-PAF-011078	17 N	5E	13 SENW	6	460	E	4	L	FS	10/17/2011	P4EKW 7
58	09/29/11	Flat	ID-PAF-011079	17 N	1E	29 NWSE	1	0.1	A	5	H	FS	9/29/2011	P4GHC 6
59	11/03/11	* Kinney Creek	ID-PAF-012001	21 N	3W	23 NWSE	1	2	B	5	H	FS	11/15/2011	P4GKT3

Table 6: 2011 Payette National Forest Protection Area fire details

4. Prescribed Fire Accomplishments

Prescribed fire and fuels reduction responsibilities are organized into three geographic areas on the Payette Forest. These areas consist of the Council and Weiser Ranger Districts, the New Meadows Ranger District, and the McCall and Krassel Ranger Districts.

The forest had only a limited window for burning in the spring and fall. Springtime saw above normal precipitation in March, May and June. In the fall, conditions were too dry thru September. October had above normal precipitation with much cooler weather, but then conditions improved for later in the month.

- The McCall/Krassel: Projects involved fuels reduction for Wildland Urban Interface.
- New Meadows: Projects involved habitat improvement for the Northern Idaho Ground Squirrel (*Spermophilus brunneus*) endangered species, forest restoration and fuels reduction for Wildland Urban Interface.
- The Council/Weiser: Projects involved timber stand improvement projects, Northern Idaho Ground Squirrel endangered species and fuels reduction for Wildland Urban Interface.

As a forest, 11 prescribed fires were implemented, burning 2,486.00 acres over 20 days. Table 7 details the prescribed fire activity by unit accomplished by the Payette Forest for 2011.

Start Date	Burn Name	Type	Acres Burned	Legal		
04/20/11	Warm Springs	Understory	1,163.00	18N	1W	21
04/23/11	East Fork Brownlee	Understory	265.00	16N	4W	21
09/17/11	Muddy Squirrel Block ¼	Broadcast	236.00	20N	1E	7
09/20/11	Summit Gulch	Broadcast	450.00	20N	3W	33
10/06/11	West Zone Misc. Piles	Dozer Piles	20.00	14N	2E	28
10/11/11	Polar Bear Meadows	Landings	18.00	17N	2W	35
10/12/11	Paddy Flat WUI Hand Piles	Hand Piles	17.00	17N	4E	26
10/25/11	N ID Ground Squirrel Lost Valley	Broadcast	22.00	19N	1W	22
10/27/11	Warm Springs 1, 3 and 4	Broadcast	248.00	18N	1W	11
11/02/11	McCall District Scattered Piles	Hand Piles	19.00	19N	2E	36
11/04/11	Burgdorf WUI Piles	Hand Piles	28.00	22N	4E	1

Table 7: Detailed prescribed fire activity for the Payette National Forest



5. Examples of Significant Improvements in Cost Effectiveness

Because of the slow fire season locally, the forest was able to make the Type 1 helicopter, two Type 2 helicopters and a Type 3 helicopter available nationally over much of the season. Having these high dollar resources off forest resulted in substantial cost savings. For details on the helicopter activity, refer to Section 8 – Payette Forest Helicopter Summary.

The Payette Regular Type 2/2IA crews were on off-forest assignments for 64 days and the Payette Engines for 210 days. Engine 431 (Central Zone) was in Texas from mid-May thru mid-October, returning to the Payette NF for only 2 weeks in June. For details of the Regular Crew and Engines, refer to Section 7.

Figure 23 shows days of P-Code savings by unit for 2011.

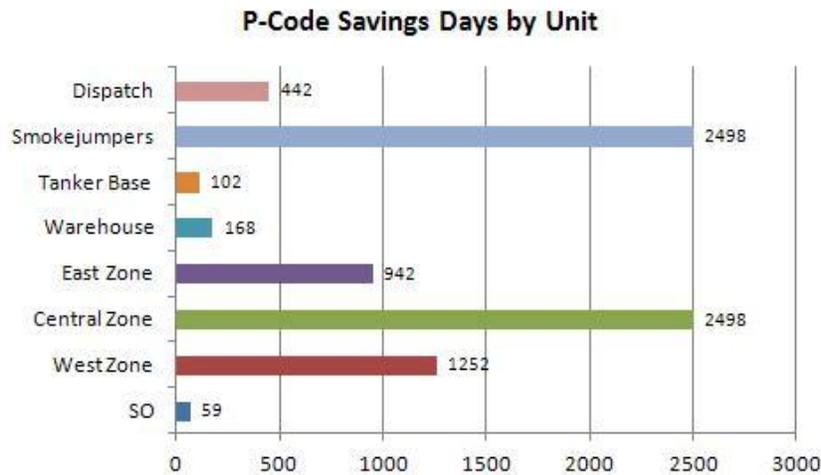


Figure 23: P-Code Savings Days by Unit

6. Noteworthy Instances of Cooperation

- The cooperative agreement and operating plan between the Payette N.F, Nez Perce N.F. and the SRRFD has been updated and completed.
- The cooperative agreement between the Payette N.F. and the Secesh Meadows Rural Fire Department has been completed and submitted to the Grants and Agreements Specialist.

- The cooperative agreement between the Payette N.F. and the Cecil A. Andrus Wildlife Management Area exists for assisting in prescribed burns.
- The Payette Forest continues to work with Adams, Valley, Idaho, and Washington Counties updating hazard mitigation plans that identify and reduce hazardous fuels accumulations in wildland urban interface areas. Additionally, the Dispatch Center cooperates with these counties in Search and Rescue operations.
- The Payette Forest is an active member of the Snake River Valley Fire Chiefs Association, which consists of 21 rural fire departments and the Boise and Vale BLM.
- The Forest Aviation Officer is an active participant in the McCall Airport Advisory Board.
- The West Zone Fire Management staff is a participating member of the Washington County Wildland Urban Interface Advisory Council.
- The Red Zone Home Survey is now emphasizing data collection for Red Zone software for assessing and mapping urban interface hazards, public education and integrating into county mitigation planning. The priority for Red Zone data collection is the Little Salmon and Main Salmon River corridors, which are 100% complete.
- The Central Zone Fire Prevention Officer worked cooperatively with Cottonwood BLM, Salmon River Rural Fire Department and the Slate Creek Ranger District to acquire and share the Red Zone data.
- The McCall Airtanker Base administered two Air Tractor 802 Single Engine air tankers (SEAT) for the State of Idaho SEAT contract.
- The Payette National Forest provided personnel for the following off-forest cooperative assignments:
 - Two smokejumpers provided as climbers to Boston, MA to participate in the APHIS Asian Longhorn Beetle eradication program.
 - Matt Carol and Forrest Behm (jumpers) to teach fire suppression training to the Kiapo Indians of Brazil for two weeks.
 - Kevan Richards (jumper) detailed Washington DC to assist the Disaster Assistance Support Agency (DASP).
 - Matt Carol (jumper) worked with a four person team tasked by the Region 5 Director of Ecosystem Planning to develop the framework for revising forest plans to conform with the new 2011 Forest Planning Rules.
 - Marshall Moy (Price Valley) detailed to the Rocky Mountain Research Station.
 - Rob Morrow (McCall) was involved in several cooperative actions:
 - Cadre member for L-380 at the Utah Fire & Rescue Academy
 - Supported teaching Basic Fire Fighting in Brazil, South America
 - Along with Patrick Morgan (McCall) continued with assisting at Prescribed Fire Training Center (PFTC) with the Prescribed Fire Workshop for Agency Administrators.
 - Several Payette NF Administrative Support Personnel assisting with the MS Canyon 252 Oil Spill incident, working out of New Orleans, LA.
- The prevention program on the Payette participated in the following activities:
 - Jan. 28/29, 2011 McCall Winter Carnival
 - Jan. 29, 2011 Kids Torch Light Parade
 - Apr. 22, 2011 New Meadows Elementary 1st-5th Grade – Earth Day
 - April/May, 2011 Smokey Bear/Campfire Safety Program (900 kindergarten/1st graders)
 - May 17, 2011 Trinity Pines Church Camp

- May 22, 2011 Donnelly Fire Fundraiser
- June 25, 2011 Kalasascope, McCall, Idaho
- June/July/Dec, 2011 Participated in parades for the Apple Blossom Festival, Fiddle Festival, 4th of July and Christmas.
- July, 2011 Adam County Fair
- July, 2011 Washington County Fair
- Aug. 6, 2011 Cascade Air Show, Cascade Airport
- Sep. 3/4, 2011 Logger's Day Event – New Meadows
- Oct, 2011 Conservation Day (440 6th graders)
- Oct. 11, 2011 Cascade Preschool Reading Program
- Nov., 2011 Council Elementary School Poster Contest

7. Subunit Summary

Payette Dispatch

The Payette Dispatch Center organization consists of a Dispatch Center Manager, an Assistant Center Manager, an Intelligence Coordinator, a Forest Training Officer and four Dispatchers (three permanents and one seasonal night dispatcher). An additional IA Dispatcher detailed from Krassel Helitack for the season.

- Payette dispatchers scheduled and tracked 570 fixed wing and helicopter flights during 2010. Table 8 shows a breakdown by vendor of completed flights.
- There were a total of 177 incidents tracked in WildCad in 2011. See Figure 24 for a distribution chart of incidents tracked.
- The dispatch office assisted in one Search and Rescue mission.
- Dispatch personnel spent a total of 288 days on assignments assisting other incidents, dispatch centers, and geographic areas.
- Payette Dispatch Center provided seven-day staffing from June 19th – Oct. 8th.
- PAF Training Officer participated in a 5 person File Audit on the Carson NF.
- Intel Coordinator provided day-off coverage for the Airtanker Base Manager.

Vendor	Flights
McCall Aviation CWN Contract 11	4
McCall Aviation Contract	119
McCall Aviation Rental	9
US Forest Service	193
Price Valley Helicopter	87
Krassel Helicopter	47
Sawtooth Aviation	0
Other	100
Siller Brothers	12
Evergreen	3

Table 8: 2011 Completed Flights tracked thru the Payette Dispatch Center

2011 WildCad Incident Distribution

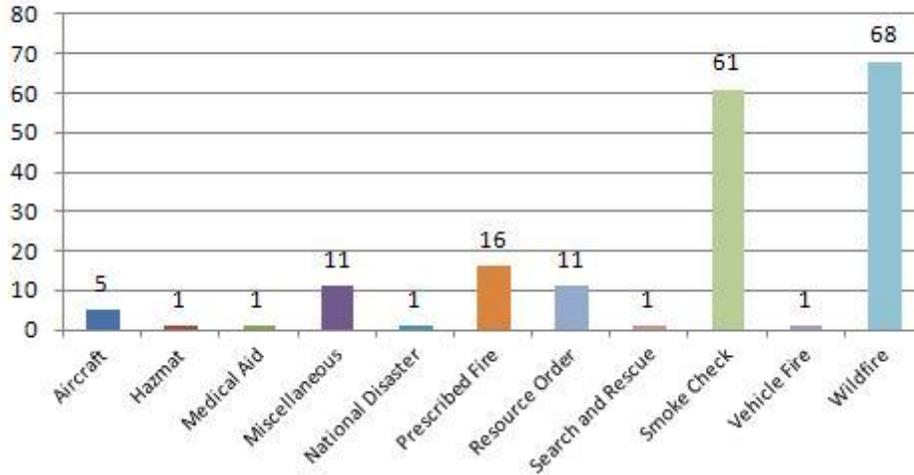


Figure 24: WildCad Incident Distribution

East Zone Fire Management

The East Zone Management Area consists of the Krassel Ranger District and the wilderness portion of the McCall Ranger District. The East Zone staffed 1 Type 3 helicopter (H-2HX) and 14 person crew and 3 lookouts. The zone included an FMO, AFMO, FOS and fuels tech for a total of 21 employees.

D6 - Krassel District

Krassel experienced no human-caused fires but had 11 lightning-caused fires burning 1,032.85 acres. Table 9 compares the number of fire acres to the 20-year average for the Krassel Ranger District. Figure 25 compares the fires to the 20-year average.

- The Krassel Helitack crew deployed to 17 initial attacks and supported 7 large fires for a total of 773 person days on fires.
- The Krassel Helitack crew received a Certificate of Merit from the Osceola NF for outstanding work ethic.
- 13 position taskbooks were completed.
- Lookout’s called in a 66% of the district fires.
- Doug Marolf transferred into the FOS position, Tom Cline accepted the Krassel Helitack Supervisor position, Todd Baumer accepted the AFMO position and Tom Bates accepted the FMO position.
- Jess Martin detailed to Payette Dispatch and Chris Brown detailed to Price Valley.
- Construction was completed on 5 new three person barracks and a training building at Krassel work center.
- Solar power was installed at Williams Peak Lookout.
- A self composting toilet was installed at Miners Peak Lookout.

	2011 Acres	20-Year Average (1991-2010)
Human	0.00	718.85

Lightning	1,032.85	41,394.85
Total	1,032.85	42,113.69

Table 9: Krassel 2011 acres compared to 20-year average

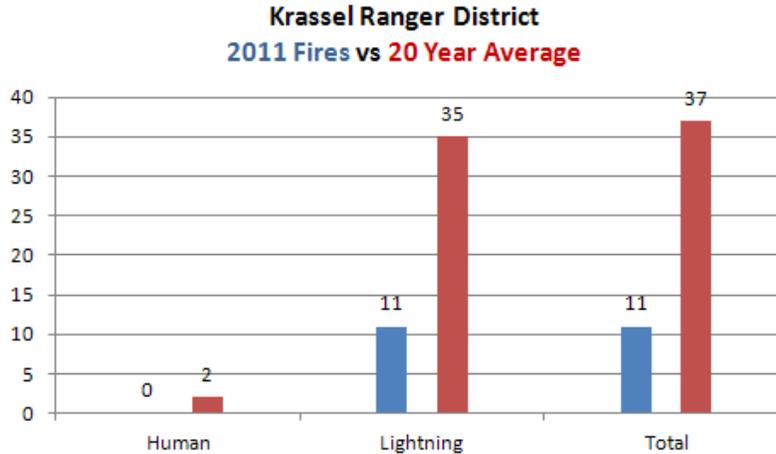


Figure 25: Krassel 2011 fire numbers compared to the 20-Year average

Central Zone Fire Management

The Central Zone Management Area consists of the New Meadows Ranger District and the non-wilderness portion of the McCall Ranger District. The Central Zone staffed two type-2 helicopter rappel crews, two type-4 engines, seven lookouts, one 10 person hand crew, one type 6 engine, two prevention techs, two FOS's, two AFMO's and one fuels tech for a total of 61 employees.

D3 – New Meadows District

New Meadows experienced 7 human-caused fires burning 3.40 acres and 16 lightning-caused fires burning 2.60 acres for a total of 6.00 acres and 12 fires. Table 10 compares the number of fire acres to the 20-year average for the New Meadows Ranger District. Figure 26 compares the fires to the 20-year average.

- Crew 4 sent 3 people to the Boise Hotshot Crew throughout the summer to gain fire experience.
- Patrick Schon detailed for 120 days as the Forest Developmental Fuels AFMO.
- Marshall Moy detailed 120 days to Rocky Mountain Research Station.
- Mark Oetzmann detailed 120 days as the helicopter manger for the Type 1 helicopter in McCall.
- Price Valley hosted two detailers from Region 2 and Region 5 for 120 days.
- Brandon Cichowski detailed 120 days as the Council AFMO.
- E-431 went to Texas twice for extended assignments totaling 107 days. Crews were rotated each 14 days. West and Central Zones provided the primary personnel.

	2011 Acres	20-Year Average (1991-2010)
Human	2.10	92.94

Lightning	1.35	6,266.82
Total	3.45	6,359.76

Table 10: New Meadows 2011 acres compared to 20-year average

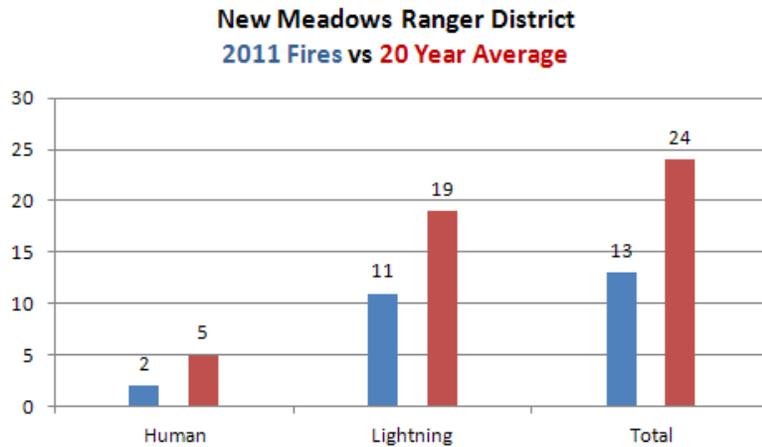


Figure 26: New Meadows 2011 fire numbers compared to the 20-Year average

D-4 McCall District

McCall experienced 1 human-caused fire for 3 acres and 13 lightning-caused fires burning 25.98 acres for a total of 28.98 acres. Table 11 compares the number of fire acres to the 20-year average for the McCall Ranger District. Figure 27 compares the fires to the 20-year average.

- Price Valley coordinated Smoke Jumper Longline Training
- Rod Dines, Ashleigh D’Antonio, Dustin Doane and Carolyn Warden instructed at the Payette Fire School.
- Patrick Schon coordinated L-280 on the Forest.
- Brandon Cichowski and Nicholas Bohnstedt coordinated a Region 4 C Faller class on the Payette N.F.
- Rod Dines coordinated and taught S-131 on the Forest. He also taught Rx-301 at the Great Basin Training Unit.
- Carolyn Warden coordinated S-133
- Rob Morrow instructed L-280 in Texas
- Maureen McPhee coordinated two First Aid/CPR classes for the Forest.
- Kim Pierson (New Meadows DR) completed PFTC for line officers.
- E-441 had five off-forest assignments in New Mexico and Arizona for a total of 23 days.
- E-642 had two off-forest assignments in Arizona and Colorado for a total of 67 days.
- The Black Tip Fire, started on Aug 30th, was put into a monitor status, managed for resource objectives. The fire was called out on Oct. 4th.

	2011 Acres	20-Year Average (1991-2010)
Human	3.00	135.20
Lightning	25.98	11,774.26

Total	28.98	11,909.46
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Table 10: McCall 2011 acres compared to 20-year average

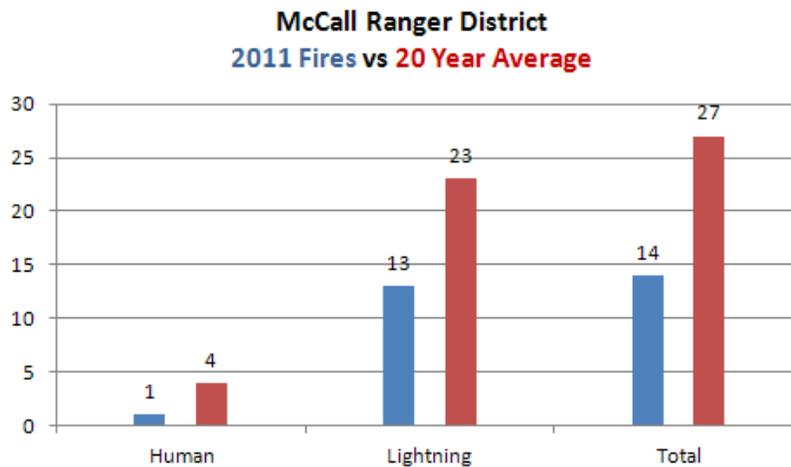


Figure 27: McCall 2011 fire numbers compared to the 20-Year average

West Zone Fire Management

The West Zone Management Area consists of the Weiser and Council Ranger Districts. The West Zone staffed two Type 4 engines, two Type 6 engines, three lookouts, one 10 person hand crew, two prevention techs, two FOS's, two AFMO's and one fuels tech for a total of 40 employees.

D1 – Council Ranger District

The Council Ranger District hosted 15 lightning-caused fires for 9.2 acres and 3 human-caused fires for 10.1 acres. Table 12 compares the number of fire acres to the 20-year average for the Council Ranger District. Figure 28 compares the fires to the 20-year average.

- Council fire suppression resources included Engine 411 (Type 4), Engine 612 (Type 6), the 10-person Bear Hand crew (Crew 1) and two fire lookouts.
- Indian Mountain Lookout called in a majority of our 2011 Fires.
- Todd Zumhofs detailed for 60 days as the FOS for the Weiser Ranger District.
- Jason Greenway (our assistant Engine Captain on E612)has been detailed as the Fish Biologist on the Central Zone
- Forest Behm (jumper) detailed for 120 day as Council AFMO.
- Rich Stiles was hired as the Council AFMO in August.
- Laurel Nelson detailed in as our assistant on the Bear Handcrew.
- DW Cook from the Boise National Forest detailed for 120 days as our Assistant on E411.
- E-411 had one off-forest assignment to Nevada for 21 days
- E-612 had three off-forest assignments to Nevada and Idaho for 21 days.
- The Kinney Creek Fire, started on Nov. 3rd, was put into a monitor status, managed for resource objectives. The fire was called out on Nov. 15th.

	2011 Acres	20-Year Average (1991-2010)
Human	10.1	212.26
Lightning	9.2	2,502.16
Total	19.3	2,714.42

Table 12: Council 2011 acres compared to 20-year average

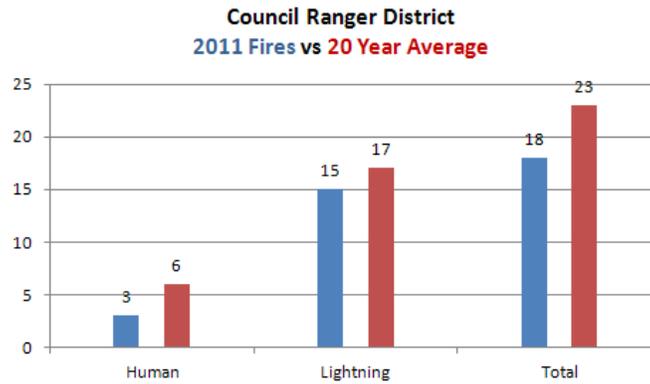


Figure 28: Council 2011 fire numbers compared to the 20-Year average

D2 – Weiser Ranger District

The Weiser Ranger District hosted 2 lightning-caused fires for 3.8 acres and 1 human-caused fire for 10.1 acres. Table 13 compares the number of fire acres to the 20-year average for the Weiser Ranger District. Figure 29 compares the fires to the 20-year average.

- Weiser fire resources included Engine 421 (Type 4), Engine 622 (Type 6), Patrol 1, Patrol 2, and one fire lookout.
- Sturgill Lookout called in a 33% of the district fires.
- Indian Mountain called in 67% of the district fires.
- Engine 622 was replaced and a “new” 622 put in service.
- Contracted an IA dozer and staffed with a Heavy Equipment Boss (HEQB) for two weeks.
- There were 16 single resource assignments for prevention and large fire support
- Tom Schultz was hired as the AFMO
- Todd Zumhofe and Ryan Jones detailed as FOS
- Eric Platz was hired as FOS.
- E-421 had four off-forest assignments to the Boise BLM and Arizona for a total of 26 days.
- E-622 had two off-forest assignments to the Boise BLM and Arizona for a total of 19 days.

	2011 Acres	20-Year Average (1991-2010)
Human	257.00	433.56
Lightning	3.80	3,169.81
Total	260.80	3,603.37

Table 13: Weiser 2011 acres compared to 20-year average

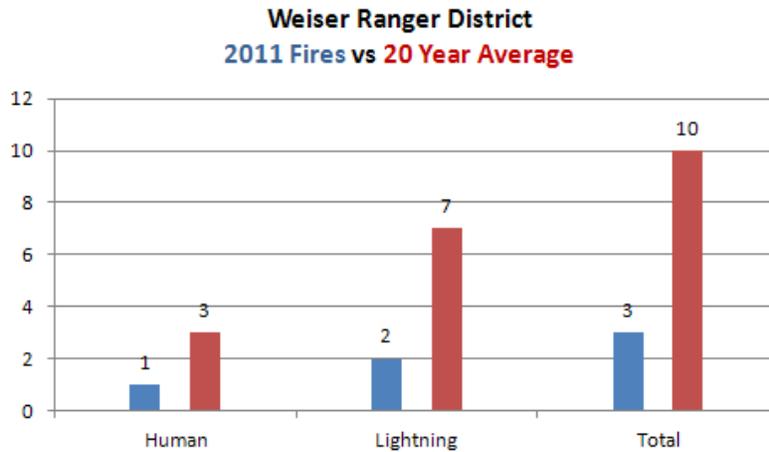


Figure 29: Weiser 2011 fire numbers compared to the 20-Year average

8. Payette Forest Helicopter Summary

Four exclusive use helicopters were contracted on the Payette Forest during the 2011 fire season. Price Valley Helibase hosted two Type II helicopters (two Bell 212HP) and 24 rappellers. A Type III Bell 407 helicopter and a crew of 16 helitacks were located at the Krassel Helibase. The McCall Helibase hosted one Type I helicopter, an S-64E.

The four a/c combined for 966.2 hours of total fire flight time. All helibases filled numerous operational and helitack ICS positions during the 2011 fire season. Table 14 shows details of the 2011 helicopter seasons. All four helicopters were able to get off-unit in 2011 for numerous assignments.

After having all Region 4 Rappellers stand down in 2010, the two Type II Price Valley helicopters participated in rappelling this year. The Krassel personnel and aircraft functioned as IA and support resources, traditional helitack duties. Cargo let-down operations were also approved for the Type II helicopters.

Construction started on the McCall Helibase, located adjacent to the McCall Smokejumper Base.

	Krassel	Price Valley		McCall	Total
Make and Model of Aircraft	Bell 407	Bell 212 HP	Bell 212 HP	Sikorsky S64E	-
FAA Number	N2HX	N212KA	N215KA	N4037S	-
Helicopter Type	Type III	Type II	Type II	Type I	-
Number of persons on crew	16	12	12	-	40
Number of Initial Attacks	17	19	9	9	54
Number of Large Fires	6	7	7	15	35
Total Fire Flight Hours	143.0	127.4	308.8	387.0	966.2

Total Non-Fire Flight Hours	7.2	32.0	0.0	0.0	39.2
Total Flight Hours	150.2	159.4	308.8	387.0	1,005.4
Total Contract Costs	\$551,288.87	\$904,101.00	\$1,560,790.57	\$6,631,225.44	\$9,647,405.88
Total Num. of Passengers Transported	354	738	1,235	0	2,327
Total Pounds of Internal Cargo	33,362	111,719	226,859	0	371,940
Total Pounds of External Cargo	24,869	28,073	90,200	0	143,142
Total Gal. of Water/Retardant Dropped	15,373	133,621	158,001	1,780,000	2,086,995
Number of Rappels	n/a	145	22	n/a	167
Number of Training Rappels	n/a	131	18	n/a	149
Number of Operational Rappels	n/a	14	4	n/a	18
Number of Fires staffed by Rappels	n/a	4	1	n/a	5
Number of Cargo Letdowns	n/a	23	20	n/a	43
Crew Aerial Ignition Certified	Yes	Yes	Yes	No	-
Aerial Ignition Equip.(Helitorch – PSD)	2-PSD	4-HT 2-PSD	4-HT 2-PSD	n/a	8-HT 6-PSD
Hours Flown on Aerial Ignition	1.0	0.0	0.0	n/a	1.0
Number of Person Days on Fires	773	187	187	258	1,405
Flight hours for Non-Federal Agencies	7.2	0.0	10.0	33.6	50.8
Days on Mandatory Availability	100	120	120	90	430
Days on Extension	0	0	50	104	154
Total Days on Contract	100	120	170	194	584

Table 14: Helicopter Operation details for the 2011 season

9. Smokejumper Operations

Season Summary

The McCall Smokejumpers were dispatched to fires in 5 states, including Idaho, Utah, Washington, New Mexico and Nevada in 2011.

- McCall Smokejumper Base had 56 returning jumpers complete refresher training and an additional three individual's completed rookie training.
- Seven jumpers participated in the R3 Silver City Detail. J-41 (Twin Otter) was committed to Region 3 from May thru July.
- Ninety-three (93) single resource assignments were filled, accounting for 874 shifts.
- There were five booster orders filled ((Sliver City – twice, Stead, Winnemucca and Grangeville). Forty-four (44) jumpers spent 559 days at other bases.
- The jumpers made a total of 256 fire jumps nationwide on a total of 64 missions in 2011. Out of the McCall Base, jumpers made a total of 191 fire jumps on a total of 43 missions in 2011. Table 16 shows the smokejumper activity from McCall and three other bases.
- The jumpers spent 229 shifts on 14 'ground action' fires.
- McCall conducted 12 paracargo missions in support of wildfire operations with 169 cargo bundles for 33,905 pounds.
- A total of 207 shifts for 13,572 acres were engaged in assisting prescribed fire activity in Regions 2, 4 and 8.
- Three jumpers were on Great Basin Incident Management teams.

Geographic Area	Base	Location	# Smokejumpers (fire jumps)
Eastern	McCall	Boise National Forest	36

Great Basin		Cedar City District	2
		Payette National Forest	48
		SITPA	7
		Salmon-Challis National Forest	24
		Salt Lake District	9
		Sawtooth National Forest	2
		Zion National Park	
Northern Rockies		Clearwater National Forest	7
		Idaho Dept. of Lands	7
		Nez Perce National Forest	7
Northwest		Umatilla National Forest	28
Western Great Basin		Battle Mountain District	7
		Elko District	5
Western Great Basin	Reno/Stead	Carson City District	4
Northern Rockies	Grangeville	Nez Perce National Forest	8
Southwest	Silver City	Cibola National Forest	1
		Gila National Forest	48
		Lincoln National Forest	3
		NM State Land	1
Totals			256

Table 15: McCall Smokejumper activity by base/location for 2011

Workforce Development

- Joe Brinkley detailed to the Payette NF Supervisors Office as Assistant Fire Staff this past winter
- Forrest Behm detailed to the Council RD on the Payette NF as AFMO
- Andre Mascheroni detailed as the Sawtooth IHC Foreman
- Clay Yazzie detailed as a squad leader on San Juan IHC.
- Pete Dutchick detailed as squad leader on Logan IHC.
- The Region 4 Fire Recruitment Coordinator position continues to be supported by the base with Matt Carroll as the lead recruiter for the Region.

Aircraft

2011 saw the grounding of McCall's DC-3 (J-42) for the season. As a result, the fleet consisted of two agency owned Twin Otters (J-41 and J-43) and one contract Twin Otter (J-44) from Leading Edge Aviation. J-41 and J-43 flew a total of 461.8 hours in 2011 (182.7 in support of smokejumper operations) and J-44 flew a total of 113.9 flight hours in support of McCall base smokejumper operations. Only two aircraft operated out of McCall at any one time. J-41 supported the Silver City Region 3 Base May thru July, and then supported Region 1 the latter half of the fire season.



Facilities and Tours/Public Relations

Major base renovations in HVAC, insulation, lighting, and roofing for most of the fire season resulted in the base being closed to the public for the entire season. As a result, no public tours could be offered at the base. Weekly presentations to students of the McCall Outdoor Science School (MOSS) were given in the spring and fall. Additionally, presentations were given at area classrooms, youth groups, and civic organizations.

Non-fire Project Work

McCall Smokejumpers continue to contribute to resource related projects across the nation with 317 days worked on projects ranging from cone caging/harvesting, hazard tree removal, Asian Longhorn Beetle eradication, and trail maintenance.

Loft/Loadmaster

Table 16 shows the Loadmaster summary of personnel and cargo transported in 2011. Total amount of cargo moved was over 36 tons.

	Missions	Personnel (jumper demob/crew haul)	Pounds cargo	Bundles
Smokejumper Standard Cargo	43	-	21,302	489
Special Paracargo	12	-	12,603	169
Personnel and Cargo Transport	17	114	37,899	-

Table 16: McCall smokejumper personnel and cargo transported in 2011

R4 Workforce Diversity Program

Note: Matt Carroll, Fire and Aviation Management Diversity Outreach Coordinator, provided the following update.

After last recruiting season the region 4 Fire and Aviation Management Diversity Outreach and Recruitment (DOR) cadre conducted a day-long AAR at the RO in Ogden, UT. Primary among the needs recognized at that meeting was the ability for all recruiting cadre to share databases of recruits, agency hiring personnel and partner organizations in real time. In addition it was recognized that a streamlined process to communicate with the larger regional level (DOR) cadre was necessary to eliminate redundancy in our work with partner organizations.

In response to these needs an Inter-Mountain Region Diversity Outreach and Recruitment [website](#) was created. The website contains a working directory of [Partner Organization Contacts](#), [Agency Hiring Personnel](#) and a [Recruiting Events Calendar](#). Anyone with an “fs.fed.us” email can edit and contribute to any of these directories. There is even a [Hiring Personnel Homepage](#) for regional hiring personnel to update information on vacancies and find out when and where recruiting events are happening. In the current budget climate the FAM DOR have not attended as many recruiting events as they have in the past and are relying on the creativity and increased communication from throughout the region to ensure we are still working towards fulfilling our mission to *“build and diversify the pool of quality candidates to fill vacancies for fire & fuels positions in Region 4.”* Please take the time to look at the [site](#), add your comments and get involved. The FAM DOR coordinator [Matthew Carroll](#) can be reached at (208) 634-6573 or (208) 634-0907.

Use the [sharepoint site](#) calendar of recruiting events to view past and scheduled future events:

10. Resource Requests Processed

All Resource Orders by GACC

With the 2011 fire season starting late, more resources were available for off-forest, and out-of-state, assignments than normal. The extreme fire conditions and limited resources in Texas, New Mexico and Arizona created a situation where resources were being assigned as quickly as they would become available. The Southwest Region led the way with 463 'filled' Resource Orders for aircraft, crews, equipment and overhead.

Table 17 displays the distribution of orders by each Geographic Area Coordination Center (GACC). The data was extracted from the Resource Ordering and Status System (ROSS) reports system, called COGNOS. The Payette Dispatch Center filled a total of 1,249 requests, including 1,155 off-forest requests in 2011. Requests were filled by Payette National Forest agency and casual hires resources. Totals include incident and training resource orders.

Incident Host GACC	Aircraft	Crew	Equipment	Overhead	Total
Alaska Interagency Coordination Center	-	-	-	3	3
Eastern Area Coordination Center	-	-	-	-	-
Eastern Great Basin Coordination Center	1	3	6	239	249
Northern Rockies Coordination Center	-	-	-	29	29
Northwest Coordination Center	-	-	-	13	13
Northern California Coordination Center	-	-	-	7	7
Rocky Mountain Coordination Center	-	3	1	75	79
Southern Area Coordination Center	6	1	2	234	243
Southern California Coordination Center	-	-	-	16	16
Southwest Area Coordination Center	5	1	10	447	463
Western Great Basin Coordination Center	-	-	-	53	53
National Interagency Coordination Center	-	-	-	-	-
Totals	12	8	19	1,116	1,155

Table 17: The breakdown of off-forest assignments by GACC

Payette T2/T2IA Regulars Crew

The Payette Regulars were mobilized on four off-forest assignments (8 incidents).

- Table 10 lists assignments for the regulars in 2011.
- Assignments were in four states; Idaho, Colorado, Texas and Arizona.
- Reassignments occurred on three of the four assignments.

Incident	Incident #	Mob Date	Demob Date	Days Assigned
Lefthand Canyon	CO-ARF-001072	03/12/11	03/20/11	9
Indian Gulch	CO-JEX-000217	03/20/11	03/28/11	9
Trans Pecos Complex	TX-TXS-011024	04/23/11	05/12/11	20
Duckett	CO-PSF-000801	06/13/11	06/22/11	10
Monument	AZ-COP-001102	06/21/11	06/27/11	7
Boise NF ABCD Misc	ID-BOF-000160	08/16/11	08/16/11	1
Sagebrush	ID-BOD-000563	08/16/11	08/18/11	3
Boise NF ABCD Misc	ID-BOF-000160	08/18/11	08/22/11	5

Table 18: 2011 Payette NF Regulars assignment.

Payette NF Engine Assignments

The Payette NF Engines were mobilized on multiple off-forest assignments in 2011.

- Assignments were in Idaho, Nevada, Arizona, New Mexico, Texas and Colorado.
- Off-forest assignments resulted in a total of 307 days.
- Engine 431 was assigned to West Texas IA for 130 days.

Incident	Engine	Incident #	Mob Date	Demob Date	Days Assigned
2011 BMD Severity	E411	NV-BMD-000133	07/31/11	08/20/11	21
Wallow	E421	AZ-ASF-110152	06/10/11	06/29/11	21
Soul		ID-BOD-000393	07/30/11	07/30/11	1
Sagebrush		ID-BOD-000563	08/16/11	08/17/11	2
Walker		ID-BOD-000909	10/01/11	10/02/11	2
West Texas IA		E431	TX-TXS-011004	05/26/11	06/18/11
West Texas IA	TX-TXS-011004		06/30/11	10/15/11	107
2011 Large Fire Prep	E441	NM-R03-000006	06/11/11	06/13/11	3
Cibola NF 2011 ABCD		NM-CIF-000001	06/13/11	06/13/11	1
Loop		NM-CCP-001110	06/13/11	06/18/11	6
Horseshoe 2		AZ-CNF-011047	06/18/11	06/23/11	6
Blackwater		AZ-CNF-011070	06/23/11	06/29/11	7
Los Conchas		NM-N6S-000451	07/01/11	07/18/11	18
Soul	E612	ID-BOD-000393	07/30/11	07/30/11	1
Sagebrush		ID-BOD-000563	08/16/11	08/17/11	2
Monument	E622	AZ-COP-001102	06/15/11	07/01/11	17
Sagebrush		ID-BOD-000563	08/16/11	08/17/11	2

Horseshoe 2	E642	AZ-CNF-011047	05/10/11	06/27/11	49
PSICC NF Severity		CO-PSF-000296	07/18/11	08/04/11	18

Table 19: 2011 Payette NF Engine assignment.

Overhead

Forest personnel and the Payette Dispatch Center were busy supporting other units in land management activities in lieu of our own lack of activity. Figure 30 shows a breakdown of overhead resource orders by state. The Payette NF Resource Requests are not included in the Idaho totals.

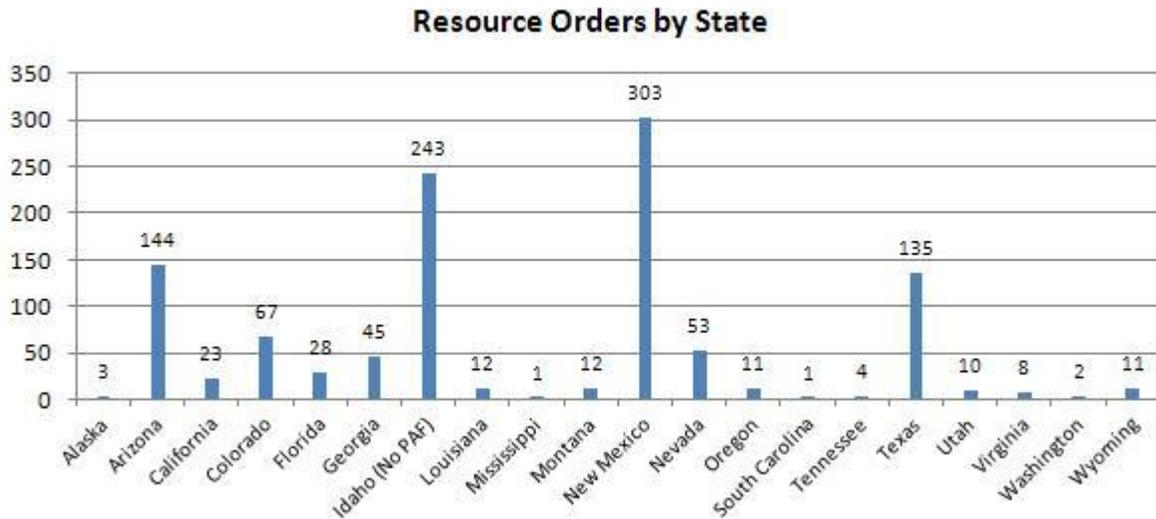


Figure 30: Resource orders by state (excluding Payette NF)

Figure 31 shows a breakdown of Overhead Resource Orders in 2011 by IQCS Functional Area. The totals do not include FFT2, FFT1, HECM and SMJK positions.

2011 Overhead Resource Orders by Functional Area

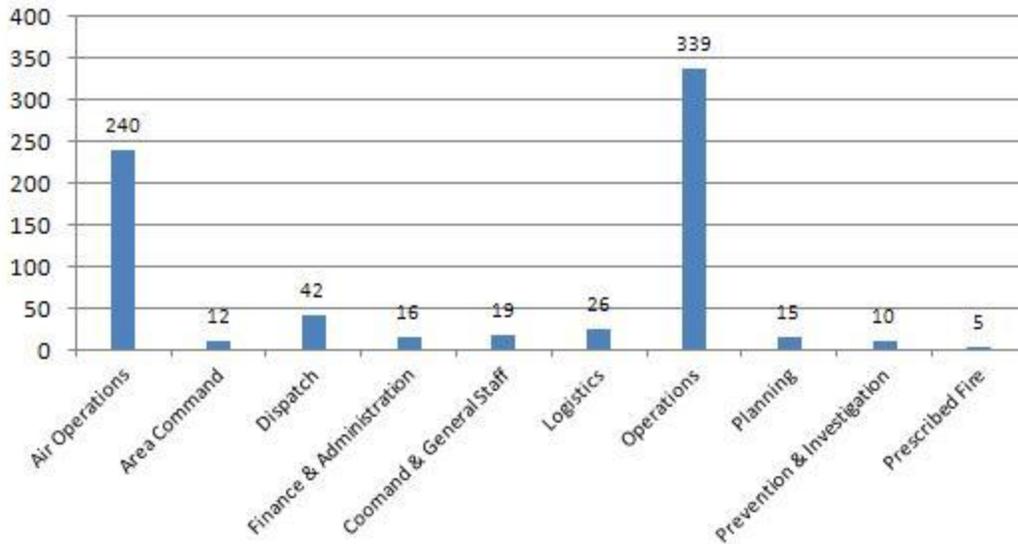


Figure 31: 2011 Resource orders by functional areas (no FFT2, FFT1, HECM or SMJK)

Table 20 shows a breakdown of Overhead Resource Orders in 2011 by IQCS position. These numbers include both the root requests and any associated subordinate requests. Table includes incident and training requests.

Overhead Resource Orders

AIR SUPPORT GROUP SUPERVISOR	1	HELICOPTER MANAGER, SINGLE RESOURCE	157
AIR TACTICAL GROUP SUPERVISOR	26	HELICOPTER RAPPELER	8
AIRCRAFT BASE RADIO OPERATOR	3	HELITORCH MANAGER	1
AIRCRAFT DISPATCHER	8	INCIDENT BUSINESS ADVISOR, TYPE 2	1
AIRTANKER BASE MANAGER	13	INCIDENT COMMANDER, TYPE 3	31
COMMUNICATIONS UNIT LEADER	1	INCIDENT COMMANDER, TYPE 4	34
CONTRACTING OFFICERS TECHNICAL REP	1	INCIDENT COMMANDER, TYPE 5	38
CREW BOSS	53	INITIAL ATTACK DISPATCHER	11
CREW REPRESENTATIVE	4	INTELLIGENCE LEAD	1
DECK COORDINATOR	1	MIXMASTER	1
DIVISION/GROUP SUPERVISOR	41	OPERATIONS BRANCH DIRECTOR	2
DOCUMENTATION UNIT LEADER	1	OPERATIONS SECTION CHIEF, TYPE 2	8
DOZER BOSS	1	ORDERING MANAGER	2
DRIVER/OPERATOR	1	PERSONNEL TIME RECORDER	6
ENGINE BOSS	39	PRESCRIBED FIRE BURN BOSS, TYPE 2	5
EQUIPMENT TIME RECORDER	2	PREVENTION TECHNICIAN	10
EXPANDED DISPATCH RECORDER	5	PUBLIC INFORMATION OFFICER	1
FALLER CLASS A	2	PUBLIC INFORMATION OFFICER, TYPE 2	1
FALLER CLASS B	9	RADIO OPERATOR	1
FALLER CLASS C	17	RAMP MANAGER	2
FELLING BOSS (SINGLE RESOURCE)	3	RECEIVING/DISTRIBUTION MANAGER	2
FIELD OBSERVER	12	RESOURCE ADVISOR	2

FINANCE/ADMINISTRATION SECTION CHIEF, TYPE 1	1	SAFETY OFFICER, TYPE 1	4
FINANCE/ADMINISTRATION SECTION CHIEF, TYPE 2	3	SAFETY OFFICER, TYPE 2	12
FIRE BEHAVIOR ANALYST	6	SECURITY SPECIALIST - LEVEL 2	9
FIRE FIGHTER TYPE 2	133	SINGLE ENGINE AIR TANKER MANAGER	9
FIREFIGHTER, TYPE 1	95	SMOKEJUMPER	99
FIRING BOSS	11	STATUS CHECK-IN RECORDER	2
FIXED WING PARKING TENDER	5	STRIKE TEAM LEADER, CREW	3
FOOD UNIT LEADER	9	SUPERVISORY DISPATCHER	2
GIS SPECIALIST	5	SUPPORT DISPATCHER	24
HEAVY EQUIPMENT BOSS, SINGLE RESOURCE	9	TASK FORCE LEADER	30
HELIBASE MANAGER, 1 TO 3 HELICOPTERS	1	TECHNICAL SPECIALIST	6
HELIBASE MANAGER, 4 OR MORE HELICOPTERS	4	TIME UNIT LEADER	6
HELICOPTER CREWMEMBER	153		

Table 20: Overhead Resource Order activity by number of orders

11. Training Accomplishments

In the spring of 2011, word came down that the travel budget for the forest was being drastically slashed. The effect to the fire organization was a cut of 50% of the travel budget. To administer this cut, scheduled training was broken down into Required, Essential and Developmental. All Required training was approved, a few Essentials approved and none of the Developmental training. The result was a decrease in opportunities for employees to develop fire skills not directly required by their current job and a reduction in the number of open taskbooks.

Local opportunities for training were scarce in 2011, but many individuals, both agency employees and AD's, were able to take advantage of a significant fire season in the Southwest to complete task books. Figure 32 shows a total of 82 Position Taskbooks completed by Functional Area. Table 21 details the positions in these categories.

Position Task Books completed by Functional Area

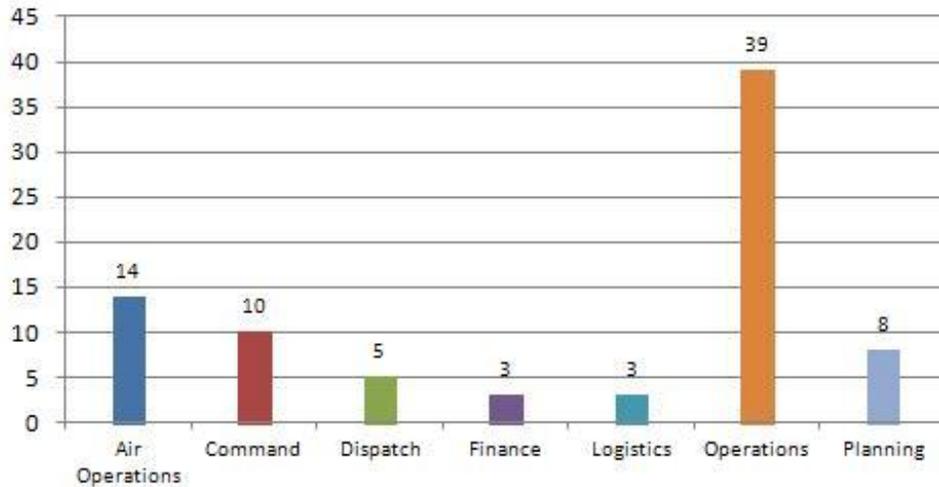


Figure 32: Position task book completed by functional are

Functional Area	Position	Taskbooks Approved
Air Operations	Aircraft Base Radio Operator (ABRO)	5
	Fixed Wing Parking Tender (FWPT)	1
	Helicopter Crewmember (HECM)	3
	Helicopter Manager (HMGB)	2
	Ramp Manager (RAMP)	1
	Take-Off/Landing Coordinator (TOLC)	2
Command	Incident Commander Type 3 (ICT3)	1
	Incident Commander Type 4 (ICT4)	3
	Incident Commander Type 5 (ICT5)	5
	Prescribed Fire Burn Boss Type 2 (RXB2)	3
Dispatch	Expanded Dispatch Recorder (EDRC)	2
	Expanded Dispatch Support Dispatcher (EDSD)	2
	Aircraft Dispatcher (ACDP)	1
Finance	Personnel Time Recorder (PTRC)	1
	Equipment Time Recorder (EQTR)	1
	Finance Section Chief (FSC2)	1
Logistics	Radio Operator (RADO)	1
	Food Unit Leader (FDUL)	1
	Receiving/Distribution (RCDM)	1
Operations	Crew Boss (CRWB)	5
	Division/Group Supervisor (DIVS)	5
	Engine Boss (ENGB)	5
	Engine Operator (ENOP)	1
	Felling Boss (FELB)	1
	Firefighter Type 1 (FFT1)	4
	Firing Boss (FIRB)	7
	Heavy Equipment Boss (HEQB)	2

	Strike Team Leader-Crews (STCR)	4
	Strike Team Leader-Engines (STEN)	1
	Task Force Leader (TFLD)	4
Planning	Fire Behavior Analyst (FBAN)	1
	Fire Effects Monitor (FEMO)	4
	Field Observer (FOBS)	2
	GIS Specialist (GISS)	1

Table 21: The position task books approved in 2011

The 2011 Basic Fire School was held in McCall, changing from its traditional location of Warm Lake. Additionally, the forest was able to put on several fire courses locally. Table 22 shows fire training sessions provided locally. The table does not include refresher training for firefighter, rappeller, helitack, smokejumper and longline.

Course	Students	Date
Basic Fire School	22	June 6/10
I-200 Basic Incident Command System	6	June 2/3
L-280 Followership to Leadership	10	June 7/8
S-131 Firefighter Type 1	11	June 6
S-133 Look Up, Look Down, Look Around	12	June 7
S-212 Wildland Fire Chainsaws	28	May 31 - June 3
S-234 Ignition Devices	20	June 9/10
S-270 Basic Air Operations	6	Aug 12/13
S-271 Helicopter Crewmember	7	May 31 - June 3

Table 22: Local fire training classes

12. Airtanker Use Summary

The 2011 season at the McCall Airtanker Base was one of the slowest seasons on record. The base provided 94,575 gallons of retardant to 23 Incidents in 133 loads. Of these, 16 loads were delivered on the Payette NF for a total of 12,055 gallons. The reduced activity can be explained by a slower than normal fire season and a reduction in the large airtankers (LAT) fleet. The USFS grounded all of the Aero Union Corporation Orion P3, thus reducing the number of LAT from 18 total aircraft to only 11 Neptune P2V, until the agency was able to contract some aircraft from Canada. The base did host 2 IDL SEAT's for most of the summer.

- In 2011 a Long-Term Full Service Contract for retardant service was signed with ICL (Israel Chemicals Ltd.) for one year, with additional option years up to four.
- The winter of 2010/2011 saw the installation of an updated, DEQ compliant, ramp washdown and wastewater containment and disposal system.
 - In the spring, this system was activated along with a signed agreement with the City of McCall.
 - The initial 11,000 gallons of catchment water were hauled away due to test results unacceptable for discharge to the city sewer system. This was due in large part because a considerable amount of residue was left-over from the previous retardant used. (FireTrol was used prior to the current contract for Phos-Chek).
 - Subsequent testing confirmed the removal of this initial material and following testing review and approval from the City of McCall, a two day discharge of approximately 10,000 gallons was allowed. The cost to government was significantly reduced by discharging waste water into the city system.
- A new Base Manager and Assistant Base Manager were hired and on the job by March.
- A new position of seasonal Ramp Manager was filled for the fire season.
- The Assistant Base Manager had several early season fire assignments to R3. All three base personnel assisted in Texas in the fall.
- The Airtanker Base hosted Dispatch office early in the season.

The following tables and figures show the activity at the base for 2011.

- Table 23 displays the McCall Airtanker Base summary.
- Figure 33 displays the retardant loads by date.
- Figure 34 displays the retardant gallons by date.
- Table 24 displays the retardant/flight data by administrative unit.
- Table 25 displays the retardant/flight data by incident.
- Table 26 displays the retardant/flight data by airtanker.



Base Opening Date	6/28/11
Base Closing Date	9/30/11
Total Loads	133
Total Gallons	94,575
Total Flight Time	146.01

Table 23: McCall Airtanker Base Summary

Retardant Loads by Date

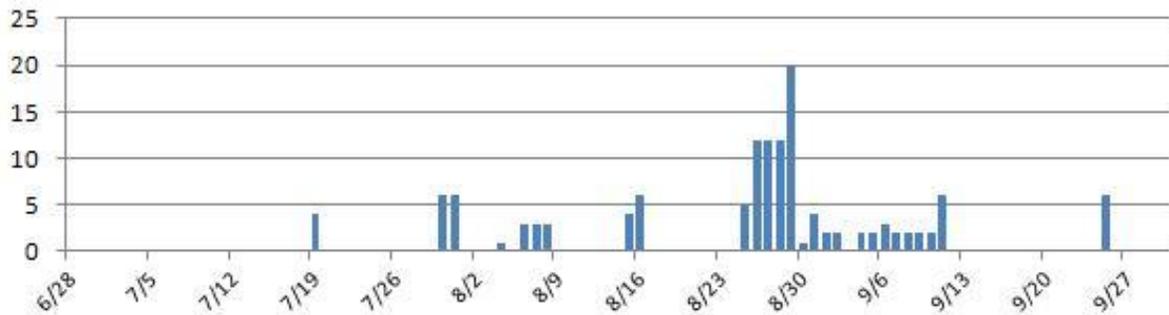


Figure 33: Retardant Loads by Date

Retardant Gallons by Date

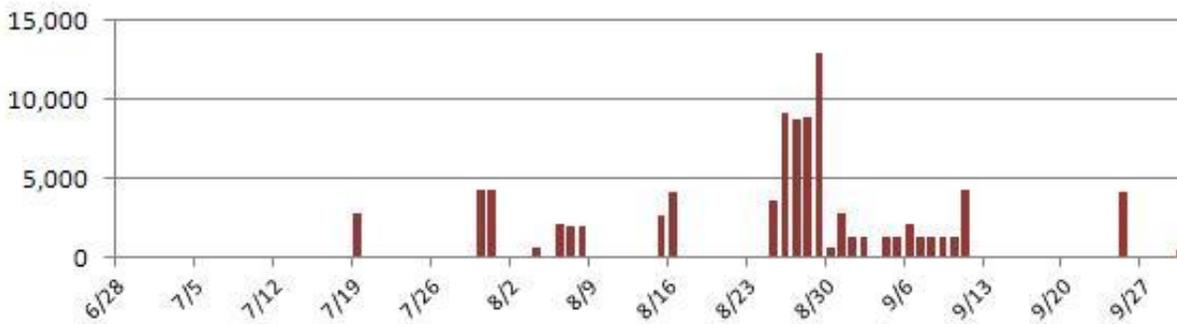


Figure 34: Retardant Gallons by Date

User	Loads	Gallons	Flight Time	Total Cost
Nez Perce NF	13	9,003	15.95	82,775.85
Boise NF	1	694	0.92	5,100.94
Payette NF	16	12,055	12.10	78,807.65
Salmon/Challis NF	69	49,033	87.44	433,901.05
Umatilla NF	1	723	1.18	6,643.97
Wallowa-Whitman NF	8	5,543	7.00	41,446.35
Non FS Land	25	17,524	21.42	125,440.98

Table 24: Retardant/Flight Data by Administrative Unit

Fire	Loads	Gallons	Flight Time	Total Cost
Big Horse Canyon	2	1,420	1.73	10,018.07
Bigfoot	1	665	1.05	5,402.20
Birch Creek	2	1,362	1.71	9,758.79
Blair	2	1,369	2.53	12,725.32
Cactus	6	4,144	5.07	30,619.93
Chicken Hill	2	1,399	1.93	10,826.42
Dome	6	4,246	4.52	28,601.38
Grouse	2	1,382	1.80	10,601.10
Herrick	2	1,410	1.23	8,996.07
Hog	2	1,447	3.11	14,323.64
Inc.774	1	723	1.18	6,643.97
Indian	4	2,780	7.23	31,231.57
Last Chance	2	1,377	0.65	6,834.00
Narrows	2	1,374	1.27	8,494.78
Otter	2	1,383	2.22	11,798.33
PAF ABC Misc.	0	500	0.00	1,725.00
RA 6 Weiser	6	4,121	5.11	29,275.34
Reed Ranch	4	2,925	1.97	16,178.48
Renwick	1	694	0.92	5,100.94
Rest Stop	6	4,384	5.61	32,302.79
Salt	65	46,253	80.21	402,669.48
Soul	6	4,353	4.30	28,107.55
Van Creek	7	4,864	10.66	51,881.64

Table 25: Retardant/Flight Data by Incident



Tanker	Loads	Gallons	Flight Time	Total Cost
142	1	1,115	1.07	7,056.75
152	0	0	0.45	1,350.00
821	5	2,852	6.87	30,995.69
832	2	1,359	2.40	11,347.19
878	60	42,895	62.33	340,823.67
883	51	36,549	55.58	295,264.27
884	8	5,745	9.52	48,525.93
888	1	691	0.92	4,893.95
899	5	2,869	6.87	31,054.34

Table 26: Retardant/Flight Data by Airtanker

13. Form FS-5100-8

USDA-Forest Service PERSONNEL EMPLOYED ON WILDFIRE PRESUPPRESSION AND SUPPRESSION ACTIVITIES		UNIT Payette National Forest CALENDAR YEAR 2011	
<p>INSTRUCTIONS: 1. Data for items 1a, 1b, and 2b should be taken from planning and budget records in the Supervisor's Office.</p> <p>2. Items 1c, 1d, 2b, and 2c may be obtained from actual records in the S.O. or from the Ranger District. If obtained from the Ranger having intimate knowledge on use of his personnel, these items may be estimated. Complete accuracy is not required.</p> <p>3. Item 3 may be estimated where large numbers of casuals are employed. Since each reemployment counts as a new employment, sufficient accuracy can be obtained by sample counts and measurement of time slips.</p>			
ITEM NO.	ITEM	NUMBER	
		SUB-TOTAL	TOTAL
1.	Regular appointed personnel		
	a. Full-time fire management (20 pay periods or more)	48	
	b. Part-time fire management	101	
	c. Others used on presuppression sometime during year	0	
	d. Others used on suppression (exclude those reported under a, b, or c)	15	
	e. Total (a + b + c + d)		164
2.	Seasonal or short-term personnel		
	a. Regular fire control (crews, firefighters, patrol, lookouts, etc.)	FF 1039	
	b. Others (BD, KV, BR, R&T, etc.) who spent time on fire control work	4	
	c. Emergency firefighters (exclude those reported under a or b)	0	
	d. Total (a + b + c)		FF 1039 + 4
3.	Total number of casuals employed on fire suppression (Each reemployment counts as an employment)		66
4.	Number of casuals (included in Item 3) employed for first time (Ranger's estimate is adequate)	4	
5.	GRAND TOTAL (1e + 2d + 3)		FF 1039 + 234
<p>REMARKS (if necessary)</p> <p>Fire Management full time and appointment positions count from PAF_091511.xlsx</p> <p>Estimates from ROSS of 1c, 1d, 2b, 3</p> <p>Total from Training Officer for 4</p>			
SUBMITTED BY (Signature) _____		TITLE _____	

Previous edition is obsolete.

FS-5100-8 (10/85)
Microsoft Word 2000

14. FS-5100-9: LAND OWNERSHIP PROTECTION REPORT

USDA Forest Service

Land Ownership Protection Report
(summary of acres by states)
(Ref. FSM 5183.1)

FS 5100-9 (12/60)

Submitted by: Francis X Russo
Title: PAC Intel Coordinator
Region/Forest: Region 4 Payette National Forest

USDA-FOREST SERVICE								Calendar Year 2011	
FOREST/STATE:	INSIDE FOREST PROTECTION BOUNDARIES							S&P Land Protected by State and FS (Under mutual assistance agreements)	National Forest Land Protected by Others
	PROTECTED BY THE FOREST SERVICE								
	State and Private Land (Include county and municipal land)				Other Federal Land	National Forest Land	Total		
	Fee Basis	Offset Basis	Reimbursement Suppression Costs Only	Without Reimbursement					
Hell's Canyon National Recreation Area (NRA)							0		29,200
Salmon/Challis National Forest							0		7,817
Southern Idaho Timber Protection Agency (SITPA)		47,703					47,703		61,338
Payette National Forest						2,132,203	2,132,203		
Bureau of Land Management (BLM)					398,411		398,411		
Boise National Forest						23,655	23,655		8,148
							0		
							0		
							0		
							0		
							0		
							0		
							0		
							0		
							0		
							0		
TOTAL	0	47,703	0	0	398,411	2,155,858	2,601,972	0	106,504

GPO 888-649

References (for sources outside of agency reports)

- National Weather Service (NWS)
- USDA, Natural Resource Conservation Service. 2010. Mountain Snowpack as of May 1, 2011.
- National Water and Climate Center, Portland, OR.
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