

Northwest Annual Fire Report 2016



Northwest Interagency Coordination Center

Northwest Interagency
Coordination Center
Portland, OR

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SUMMARY INFORMATION

NWCC Mission

The Northwest Interagency Coordination Center (NWCC) is the Geographic Area Coordination Center (GACC) for the Northwest Region which includes the states of Oregon and Washington. NWCC serves as the focal point for interagency resource coordination, logistics support, aviation support and predictive services for all state and federal agencies involved in wildland fire management and suppression in the geographic area.



NWCC Annual Fire Report General Information

The Northwest Interagency Coordination Center (NWCC) is responsible for compiling fire reports for all *large* wildland fires in Oregon and Washington on lands administered by the following five federal agencies; BLM, BIA, USFS, FWS, NPS, and two state agencies; ODF and DNR (for acronyms, see Appendix, [NW Federal & State Agency Identifiers](#)). A *large* fire is defined as greater than 100 acres in forest fuel types, and greater than 300 acres in shrub and grass fuel types. Annual figures of total fire starts, regardless of size, and acres burned for individual units are also included.

Statistics used in this report were gathered from the Fire and Aviation Management Web Applications (FAMWEB) system (which includes the Situation Report and Incident Status Summary (ICS-209) programs) and from the Resource Ordering & Status System (ROSS). The statistics presented here are intended to provide a geographic area perspective of annual fire activity and may not reflect official figures for a specific agency.

This document is available electronically at the NWCC web page: gacc.nifc.gov/nwcc/ under the [Intelligence](#) link. Previous year annual reports can be found under the [NWCC Publications](#) link.

Disclaimer: The figures in this report provide general reporting information and overall accuracy cannot be guaranteed. Any determinations, policy, or subsequent reports using this information should be done under consultation with appropriate experts. For agency-specific details or official agency figures, contact the respective agency.

Compiled by:

Northwest Interagency
Coordination Center
Portland, OR
Predictive Services Unit
Intelligence Section

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NWCC ACCOMPLISHMENTS

A Review of 2016

Overview

The Northwest experienced a relatively average fire season in 2016, one considerably less active than recent years. Due to the more subdued fire activity, the NW was able to support the national fire effort to a greater degree than in previous seasons. Northwest exclusive use aircraft collectively spent more than 650 days outside the region. Our hotshot crews were also busy outside the region, with more than 450 shifts worked in support of the national and international wildfire effort.

“...Due to the more subdued fire activity, the NW was able to support the national fire effort to a greater degree than in previous seasons.”

Despite the reprieve, we still faced challenges in the geographic area. Significant fire activity began in June when Oregon Department of Forestry’s Team 3 was mobilized to the Akawana Fire near Sisters, Oregon. The largest fire in the Northwest was the Range 12 fire, which started on July 30th and burned 176,600 acres before being contained. The Rail fire, the largest in Oregon, started on July 31st. It was active for over a month and required a large resource commitment, transitioning through 3 Incident Management Teams (IMTs) before being returned to the local unit. In all, more than 2,500 fires affected just greater than 500,000 acres. Type 1 and 2 IMTs were deployed 17 times in the Northwest over the course of the season.

Change also continued to be the theme for NWCC in 2016:

- Dan O’Brien, NWCC Center Manager, detailed into the Assistant Director of Operations position at the State Office/Regional Office (SORO) from the end of February through the first week of October.
- Ted Pierce, Deputy NWCC Manager, stepped up as Acting Center Manager through that same period.
- Dolly Davis, BIA Operations Coordinator, retired in January 2016.
- Susan Taylor, USFS Operations Coordinator, retired in April of 2016.
- Kathi May, BLM Operations Coordinator, retired in January 2017.
- Terry Marcha, BIA Meteorologist, retired in January 2016.
- Isaiah Hirschfield, Intelligence Officer, promoted to new job at the USFS Fire Information Desk in Washington DC.
- Travis Hartsburg joined the NWCC staff as the new USFS Operations Coordinator. Travis comes to us from the Great Smokey Mountains National Park in Tennessee.
- Brandon Poe has served as a long term detailee in Operations and Predictive Service Intelligence. Brandon is an employee with the Alaska Fire Service.

We expect 2017 to be a building year for NWCC as we host detailers and fill vacant positions. With patience, education and good leadership, we will continue our program of excellence.

Organization: Administration

NWCC Center Manager

The past year saw continued active engagement, considerable learning, growing in new directions and building new relationships:

- With Dan O'Brien acting as SORO AD Operations, this established a deeper understanding of SORO Fire and Aviation Management (FAM) and developed a more informed, productive and personable connection with FAM Directors and Staff. It also renewed relationships with Fire Management Officers (FMOs) and Fire Staffs around the Geographic Area.
- As Acting AD Operations, Dan assisted in the formation of the Fire and Aviation Leadership Team (FALT) Strategic Steering Group. This group consists of a Service First mix of representatives from Geographic Area FMOs/Fire Staffs and SORO Assistant Directors for the purpose of facilitating FALT Task Groups and prioritizing tasks, as well as taking a lead role in preparing twice annual FALT meetings.
- Maintained connection with the FALT Strategic Steering Group as the Group's facilitator, even after Dan's AD Operations detail ended.
- The Coordinating Group Advisory Council (CGAC), Chartered to the National Multi-Agency Coordinating Group (NMAC) and representing Coordinating Groups from all the Geographic Areas, engaged Dan as their facilitator for their calls and meetings.
- Dan chaired a CGAC Task Group developing a standard configuration for Type 3 IMT's that are mobilized nationally.
- Continued collaborating with Portland NIMO in sponsoring the 2016 Executive Simulation in preparation for the coming fire season.
- Continued to serve as the Coordination System representative to the National Wildfire Coordinating Group (NWCG) Incident Business Committee.
- Continues as the Chair of the Resource Ordering Status System (ROSS) Reports Management Board, providing oversight to training, administration and organization of the ROSS Reporting System.

"Analysis shows use of the main NWCC website in 2016 received about 1/4 of the page views and visitors as 2015."

Media

A total of 372 media calls were staffed through the 2016 Fire Season by the NWCC Media Desk. These were responding to local, regional, national and international media-related requests, as well as calls from private citizens concerned about fire activity, evacuations, smoke, hunters, campers, fire camps, contractors and other general questions.

- NWCC hosted a pre-season press conference to discuss the fire potential outlook and interagency cooperation for the upcoming fire season. The press conference was attended by local and regional media, agency leadership and partners.

- The NWCC Fire Blog remains the centerpiece of our social media strategy. The blog exceeded 360,000 page views during the 2016 fire season. Blog information was also available on NWCC Twitter and Facebook pages.
- The NWCC Twitter account which complemented the NWCC Facebook webpage and Blog saw an increase of nearly 500 new followers.
- Analysis shows use of the main NWCC website in 2016 received about 1/4 of the page views and visitors as 2015(see charts below).

Chart 1: NWCC Web Total Page Views (Jun - Sep)

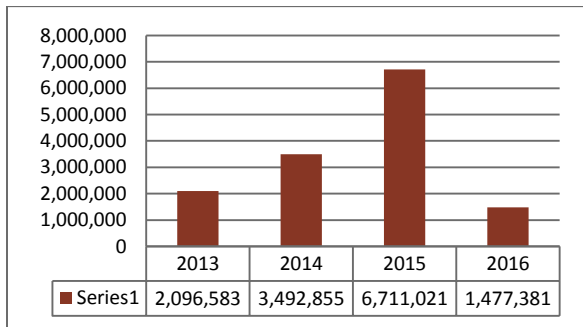
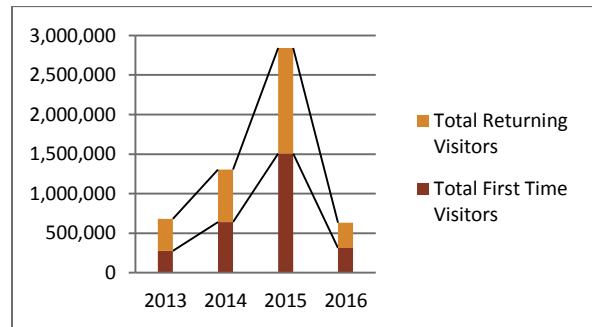


Chart 2: NWCC Web Number of Visitors (Jun - Sep)



Information Technology (IT)

NWCC continued to interface with the field by coordinating IT instruction and providing specialist to incidents for direct support.

Satellite systems for internet access at remote incidents are now available at the Redmond Cache. Training materials for setting up these systems have been developed and were presented at the IMT training.

For the core part of fire season, NWCC recruited the help of two Oregon State Office employees for first line of troubleshooting and support for all IT equipment, and managing nearly all office equipment including computers, mobile devices, printers and data storage devices. Staff also managed:

- 3 data networks (DOI, USDA and DSL) and VoIP phone system
- IT profiles for full-time employees and guests
- Building access for full-time employees and guests
- All net briefings & conference calls

Geographic Information Systems (GIS)

The GIS section provided data management, printed and electronic map products, current situation analysis, and general support for briefings with live mapping and information display. Year-round critical mapping, data analysis, as well as subject matter expertise and guidance on standards and evolving GIS governance and practice were also provided.

Specific 2016 accomplishments include:

- Streamlined functionality of the 'Daily Situation' web map portfolio with goal of improving situational awareness.
- Responded to critical data and analysis requests from IMT GIS personnel
- Developed Short-Haul Extraction web map for 'Emergency Medical Evacuation' page
- Developed new Predictive Services '3 Day Precipitation and Lightning' product
- Completed a major update of the NWCC COP (Common Operating Picture) for Google Earth
- Hosted 5 GIS detailers; two of whom were new to NWCC
- Continued leadership role in PNWCG GIS/Technology Committee
- Compiled and maintained daily perimeters for approximately 80 individual fires totaling more than 500,000 acres burned across Oregon and Washington

Organization: Predictive Services

Predictive Services continued to provide "decision support services to fire leadership". It is the hub for producing regional fire potential outlooks, compiling and reporting fire occurrence and resource status information and products, and providing implications of fire analysis to fire leadership and the field.

The NWCC Predictive Services Unit was active and well-engaged throughout 2016:

- Conducted local unit site visits, assisted with dispatch preparedness reviews, participated in IMT and dispatch workshops
- Provided daily fire situation and fire potential briefings, analysis and reports
- Provided subject matter expertise in response to 30 information requests
- Integrated with NW MAC Support to assist with incident prioritization, developing strategic intent, and transferring intelligence
- Continued to improve upon the NWCC "Situation Page" to provide key briefing and situational awareness to internal customers via the web

Fire Analysis

- Hosted 6 detailers to assist with Fire Analyst duties
- Developed Fire Analyst Desk Guide for detailers
- Coordinated early season fuels status conference calls to provide regional and local perspectives on fuel conditions throughout the Geographic Area
- Provided monthly assessments for severity requests
- Acted as Geographic Area Lead for the National Fuel Moisture Database
- RAWS (Remote Automated Weather Station) geographic area coordinator for the USFS, BLM and NPS. Coordinated with other agency and National RAWS coordinators
 - Ensured annual maintenance was completed up to standards
 - Assisted with troubleshooting WIMS issues
 - Coordinated with local units and the National Weather Service to find and fix problem weather observations

- Coordinated with local units and other Geographic Areas to produce Fire Behavior and Fuels Advisories
- Assisted the NPS with Pocket Card reviews, Olympic NP Service First Program Review, Fuels Committee member and RX-341 cadre member
- Provided guidance to North Ops GACC on Fire Analyst mission and duties

Intelligence

- Hosted 7 detailers in the Intelligence Section.
- Modernized the design, formatting and automation of several core intelligence products, including the *Morning Briefing* and the *SIT Report*
- Provided guidance, support and troubleshooting for the following:
 - ICS-209 reporting for over 100 large fires
 - Sit Reporting: Coordination among 30 tier-3 & 4 dispatch offices for daily and year-to-date reporting of area fire statistics
 - IRWIN (Integrated Reporting of Wildland-Fire Information): data exchange involving multiple fire reporting systems, requiring facilitation and education on existing and new business requirements
 - Complexes and Merged Wildfires: member of national task team developing guidance to the wildland fire agencies with more accurate and consistent reporting
- Acted as ROSS Reports Management Board Geographic Area Business Lead
- Acted as a National cadre member for revision of INTS (Intelligence Support Specialist) task book and course

“Provided guidance, support and troubleshooting for ICS-209”

Meteorology

Despite a normal fire season, staffing in the meteorology section was hampered by the retirement of Terry Marcha. An intern was used through most of the season and detailers supplemented staffing to provide meteorologist coverage. Improvements in process outlines assisted with ensuring forecast continuity.

Specific and General Accomplishments

- Hosted 2 detailers and 1 intern in the Meteorology section
- Developed process outlines for meteorology products
- Worked on and improved the data processing of Significant Fire Potential and Fire Activity Forecasts
- Taught S-490 and M-581 classes at the Redmond Training Center
- Hosted pre-season coordination meeting with supporting NWS offices
- Developed long range fire season projection using 500mb map type forecasts
- Provided several staff briefings and coordination calls daily during fire season 2016
- Provided several briefings for the press and visiting dignitaries
- Coordinated daily with supporting NWS offices and IMETs (and NICC)

- Published daily Significant Fire Potential Outlooks and Fire Activity Forecasts
- Developed fire season ending event probabilities for each PSA

Organization: Operations

The NWCC Operations Section ensures coordination of safe and efficient resource mobilization and provides incident support. At the peak of the effort, more than 13,000 resource orders were processed through NWCC; mobilizing firefighters, equipment, and aircraft on fires in the Northwest. NWCC Operations recruited the assistance of 21 individuals to assist with ongoing incidents and carry out NW MAC support efforts. The Operations staff continues to maintain constant and unwavering support to all dispatch centers and incidents within the Northwest.

2016 accomplishments for NWCC Operations are provided below:

“At the peak of the effort, more than 13,000 resource orders were processed through NWCC.”

- Staffed and operated the GACC resource desks in support of incident operations through the fire season.
- The Emergency Operations Manager acts as associate member of the PNWCG Operations Working Team. This individual also serves as a member of the NW Center Managers Advisory Council, Operations Committee, and subject matter expertise for Incident Commanders, Smokejumpers, Hotshots, Rapellers, and Engine Captain’s groups.
- Dispatched SORO personnel to incident assignments.
- Prepared and directed publication of the NW Interagency Mobilization Guide for distribution by May 1st (accelerated one month to prior year objectives).
- Maintained roster and conducted multiple mobilizations of Portland NIMO.
- Maintained rosters and conducted multiple mobilizations of the Northwest’s Type 1 IMTs.
- Provided support to Critical Incident Stress Management (CISM) mobilization and operations.
- Provided planning and logistical support to the NW Dispatch Workshop.
- Provided instruction for dispatch related courses.
- Participated/presented subject matter at NW IMT conference.
- Provided subject matter expertise to FACT team for spring meeting with contract vendors.
- Maintained consistent communications with agency Duty Officers.
- Coordinated administrative flights for regional and national leaders.
- Saw the retirement and recognized the efforts and careers of three valuable dispatch Coordinators and Asst. Emergency Operations Managers; Dolly Davis, Susan Taylor, and Kathi May.

FIRE SEASON OVERVIEW

Despite a heavy accumulation of precipitation in December and January of 2015-2016, the late winter and spring of 2016 did not experience the same intensity of precipitation. Snow melted over the higher terrain of the region up to a month earlier than usual with the heaviest snowmelt occurring in April due to excessively warm temperatures. Overall, temperatures were above average across the geographic area from the beginning of 2016 through June with few pauses or exceptions. The warm spring was consistent with what is typically experienced during dissipating El Niño events.

Trends in Fire Danger

Fire danger indices (ERC) oscillated during fire season 2016 with several notable peak periods. Fire danger for the majority of the season was above average with only a brief spell in mid-July that registered slightly below average.

Late May through June 6th:

Going into late May of 2016, warm and dry conditions heralded an early start to fire season in June. Several unusual lightning-caused fires broke out in early June including the Akawana, Draw, and Owhyhee Canyon fires near the first critical peak in fire danger around June 6th.

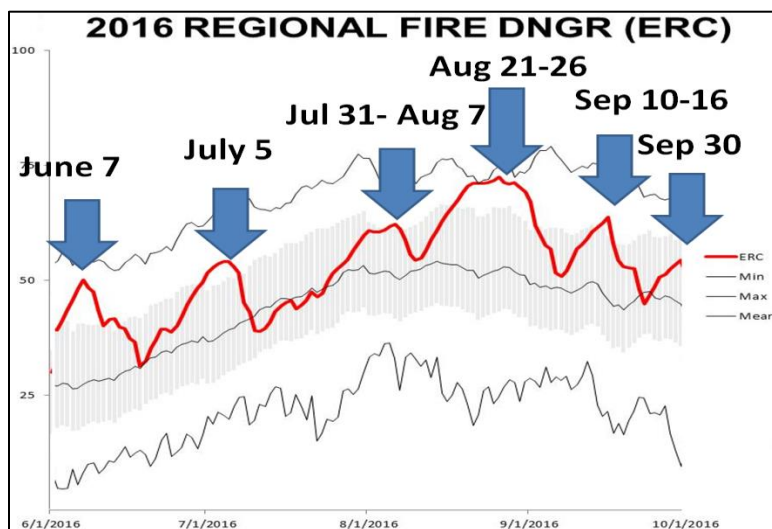


Fig 1: Regional Trends in fire danger 2016

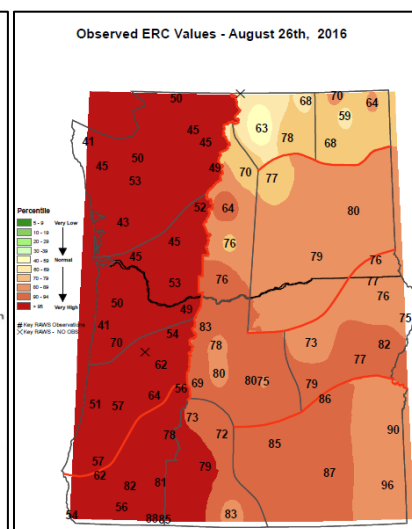


Fig 2: Peak ERC values late Aug

June 25th through July 9th:

Cooler, wetter weather followed in mid-June which reduced fire danger temporarily. However, by early July the accumulated effects of warmer and drier weather led to a new spike in fire danger around July 5th. Several costly human-caused fires were reported around this period, including Rocky Ford and Fifteen Mile in the Columbia Basin. A more significant cool and wet spell followed in mid-July which significantly reduced large fire activity.

July 31st through Aug 7th:

By the first week of August warmer weather had returned and boosted fire danger. The steady uptick in ERC provided conditions that led to the Antilon Lake, Weigh Station, Bybee Creek, Juntura, Kewa, Range 12, and Rail fires. Most of these were human-caused but some were lightning-caused as well. These fires listed were among the largest, most costly, and longest lasting fires of the season.

August 21st through August 26th

Very dry conditions returned in mid-August and lasted until nearly the end of the month. During this period fire danger climbed to its peak value for the year around August 26th. ERC values observed equaled the highest experienced since 2000. Once again, a number of large and costly fires broke out around the region during this concentrated period of high fire danger including the Saul, Cherry Road, Deep North, and Hart fires. What's interesting to note is that all of these large fires were human-caused *because lightning activity was virtually nil* during 2016's driest period and its highest fire danger.

Sep 10th through 16th

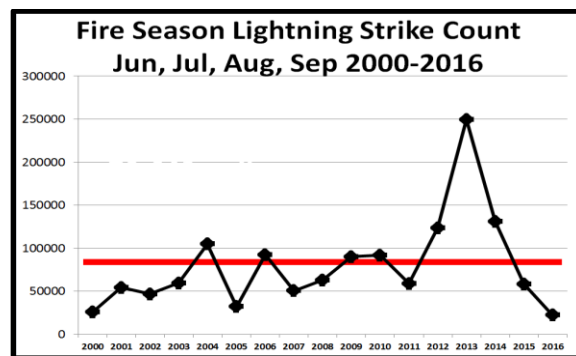
Another warm and dry period followed a brief cooling spell in early September. Fire danger remained above average during this phase and peaked around September 16th. Once again, several costly human-caused fires were concentrated during this peak including the Rock Creek, Elmer City and High Pass fires. Little lightning was observed during this period.

September 29th through October 1st

A final relative peak in fire danger occurred in late September before the onset of heavy rain and the termination of fire season in October. The East Maury and Minam fires occurred around this peak in fire danger.

2016 Lightning Statistics

From June 1 through Sep 30th **22,197** strikes were recorded over Oregon and Washington in 2016. This is the lowest total for a fire season since the year 2000. The average for fire seasons 2000-2016 was 79,642 strikes). The below-average number of strikes likely contributed to a smaller number of fires and acres in 2016. The lull in lightning activity during the phase of highest fire danger in mid to late August likely served to spare the region another very busy fire season.



FIRE MAPS & STATISTICS

NW 2016 Large Fires

Source: ICS-209. By start date. Large fire defined as >100 acres in timber, >300 acres, grass/brush. Individual fires within complexes are not listed. Containment dates are unofficial, based on best available information. Costs are estimates derived from the final ICS-209 and do not represent final, reconciled figures.

* Ownership Acronyms see *Appendix, Unit Identifiers*. † Cause: H=Human, L=Lightning, U=Undetermined/Under Investigation. **Fuel; B=Brush, G=Grass, T=Timber. *** IMT=Highest level assigned to incident

Table 1: Large Fires managed by Type 1 and 2 Incident Management Teams

Incident	Owner*	Start Date	Contain Date	Cause+	Fuel++	IMT+++	PSA	Acres	Cost	Location
Proctor Creek 62 Rd	WA-NWS	5/13	5/15	H	T	2	01	289	450,000	2 mi SE of Gold Bar, WA
Old Lady Creek	OR-955S	6/7	6/18	L	T	1	06	2,094	3,679,944	13 mi NE of Sisters, OR
Wassen Pond	OR-954S	7/3	7/5	H	G	2	06	300	72,500	2 mi SW of The Dalles, OR
Bybee Creek	OR-CLP	7/28	8/9	H	T	1	07	1,072	4,900,000	18 mi NE of Prospect, OR
Range 12	WA-SPD	7/30	8/6	H	G	2	10	176,600	1,700,000	12 mi N or Sunnyside, WA
Rail	OR-WWF	7/31	9/30	H	T	2	11	41,706	34,900,000	5 mi W of Unity, OR
Kewa	WA-COA	8/2	8/13	H	T	2	09	1,889	4,765,376	15 mi S of Inchelium, WA
Juntura Complex	OR-VAD	8/8	8/14	L	G	2	12	24,301	3,700,000	30 mi SW of Vale, OR
Hart	WA-NES	8/21	8/24	H	G	2	10	4,983	2,920,762	13 mi N of Davenport, WA
Cayuse Mtn.	WA-SPA	8/21	9/7	H	G	2	09	18,116	3,848,780	7 mi SW of Wellpinit, WA
Cherry Road	OR-VAD	8/21	8/28	H	G	2	12	35,308	3,000,000	7 mi SW of Adrian, OR
Spokane Complex	WA-NES	8/21	8/29	H	G	2	10	6,358	4,800,000	12 mi S of Spokane, WA
Deep North	WA-NES	8/21	8/31	H	T	2	09	596	5,800,000	25 mi NE of Colville, WA
High Pass 12.5	OR-981S	8/25	8/31	H	T	1	03	191	2,810,926	10 mi W of Junction City, OR
Rock Creek	WA-OWF	9/10	9/21	H	T	2	05	1,383	3,910,000	12 mi NW Naches, WA

Table 2: Large Fires managed by Type 3, 4 and 5 Incident Management Organizations

Incident	Owner*	Start Date	Contain Date	Cause+	Fuel++	IMT+++	PSA	Acres	Cost	Location
Hay Bottom	OR-PRD	5/3	5/5	H	B	3	06	800	25,000	13 mi SW of Fossil, OR
Webber Canyon	WA-SPD	5/11	5/12	H	B	4	10	504	25,000	2 mi S of Benton, WA
Sunland	WA-SPD	5/29	6/1	H	B	3	10	1,000	75,000	5 mi W of George, WA
South Jct	OR-PRD	5/29	5/30	H	B	3	06	638	25,000	15 mi N of Madras, OR
McNary	OR-UMA	5/30	5/31	H	B	4	11	938	100,000	2 mi E of McNary, OR
Draw	OR-FWF	6/5	6/11	L	T	3	07	497	1,000,000	20 mi NE of Chiloquin, OR
Owyhee Canyon	OR-VAD	6/5	6/8	L	B	3	12	21,776	250,000	4 mi S of Rome, OR
Wolf	OR-MAF	6/7	6/16	L	T	4	11	241	60,000	5 mi SE of Seneca, OR
Currie Canyon	OR-PRD	6/8	6/13	L	B	3	06	6,300	150,000	10 mi E of Grass Valley, OR
Timm Ranch	WA-COA	6/8	6/10	H	B	4	09	1,358	30,000	12 mi E of Bridgeport, WA
Simms Rd.	WA-WFS	6/8	6/9	H	G	4	10	771	25,000	5 mi N of Touchet, WA
Beam Road	WA-SPD	6/20	6/21	H	G	3	10	1,293	50,000	21 mi SE of Yakima, WA
Fifteen Mile	OR-CGF	6/30	7/5	H	G	3	06	3,400	300,000	6 mi E of The Dalles, OR
Mile Post 133	WA-SES	7/1	7/1	H	G	5	10	570	35,000	4 mi W of Vantage, WA
Rocky Ford	WA-SPD	7/9	7/11	H	G	3	10	1,951	400,000	95 mi SW of Spokane, WA
McBee Command	WA-SPD	7/14	7/15	H	G	3	10	1,800	100,000	2 mi SW of Benton City, WA
Starbuck	WA-WFS	7/17	7/18	H	G	4	10	2,380	NR	1 mi N of Starbuck, WA
Scott Canyon	OR-PRD	7/21	7/25	H	B	3	06	33,587	400,000	20 mi E of Wasco, OR
Buck Creek	WA-OWF	7/22	10/17	L	T	3	05	3,500	670,000	4 mi NW of Trinity, WA
Rattlesnake	OR-WSA	7/24	7/31	H	G	3	06	9,235	475,000	10 mi NNE of Warm Springs, OR
Godkin	WA-OLP	7/25	10/9	L	T	3	01	536	187,000	20 mi S of Port Angeles, WA
Hayes Two	WA-OLP	7/26	10/9	L	T	3	01	2,475	690,000	20 mi S of Port Angeles, WA
Antilon Lake	WA-SES	7/29	8/5	H	T	3	05	315	1,000,000	10 mi NW of Chelan, WA
Ignar Creek	WA-OLP	7/29	10/9	L	T	3	01	160	15,000	19 mi NW of Lilliwaup, WA
Black Rock Road	WA-SPD	7/30	8/1	H	G	3	10	16,025	620,000	18 mi WSW of Odessa, WA
North Touchet	WA-SES	7/30	8/7	H	B	3	10	536	700,000	26 mi NE of Walla Walla, WA
Weigh Station	OR-973S	7/30	7/31	H	T	3	11	688	1,600,000	13 mi SE of Pendleton, OR

FIRE MAPS & STATISTICS | NW 2016 Non-Wildfire Incidents

South Ward Gap	WA-WFS	7/31	8/6	H	G	3	10	5,000	575,000	1 mi S of Prosser, WA
Road 10	WA-WFS	8/2	8/4	H	G	3	10	3,280	350,000	7 mi N of Moses Lake, WA
Snake River	WA-WFS	8/2	8/7	H	G	3	10	11,453	2,000,000	12 mi NE of Pomeroy, WA
Lower Crab Creek	WA-SPD	8/6	8/10	H	B	3	10	6,000	750,000	32 mi NE of Yakima, WA
Orejana Flat	OR-BUD	8/7	8/20	L	G	3	12	900	500,000	30 mi NE of Frenchglen, OR
Palouse Falls	WA-WFS	8/7	8/9	H	G	3	10	4,033	60,000	40 mi N of Walla Walla, WA
Fletcher Road	WA-WFS	8/7	8/9	L	G	3	10	9,168	353,450	32 mi N of Walla Walla, WA
Trail Creek	OR-VAD	8/7	8/11	L	G	3	12	320	950,000	22 mi ESE of Baker City, OR
Gibbon	OR-973S	8/7	8/14	L	G	3	12	316	565,000	20 mi E of Pendleton, OR
Division Road	WA-MCR	8/10	8/10	H	B	3	10	720	250,000	17 mi W of Othello, WA
Vantage	WA-SES	8/16	8/16	H	G	4	10	363	150,000	7 mi W of Vantage, WA
Withers	OR-LAD	8/17	8/26	H	B	3	12	3,424	1,603,703	1 mi N of Paisley, OR
Rim Reservoir	OR-VAD	8/17	8/20	L	G	3	12	669	311,171	23 mi E of Burns Junction, OR
Sheridan	OR-DEF	8/17	8/22	H	T	3	06	191	553,000	13 mi N of LaPine, OR
Saul	WA-OWF	8/21	10/17	H	T	3	05	550	20,000	7 mi SW of Trinity, WA
Kahlotus	WA-WFS	8/21	8/24	H	G	3	10	5,942	500,000	10 mi SW of Washtucna, WA
Tule #6	WA-YAA	8/21	8/28	H	G	3	10	6,200	700,000	25 mi SE of Yakima, WA
Cleveland Ridge	OR-711S	8/22	9/2	H	T	3	04	530	3,200,000	25 mi N of Medford, OR
2500 Road	OR-553S	8/22	8/27	H	T	3	02	202	1,152,693	2 mi E of Depoe Bay, OR
Hot Springs	OR-WSA	8/23	9/2	H	G	3	06	313	50,000	7 mi N of Warm Springs, OR
Pickens North	WA-NES	8/24	8/31	H	G	3	08	760	280,000	7 mi NE of Tonasket, WA
Old Lady Creek	WA-SPD	9/10	9/15	H	G	3	05	2,771	350,000	8 mi W of Roosevelt, WA
Elmer City	WA-COA	9/11	9/15	H	G	3	08	5,237	512,000	1 mi N of Coulee Dam, WA
East Maury	OR-OCF	9/29	10/5	H	T	3	06	1,445	335,500	33 mi SE of Prineville, OR
Minam	OR-WWF	10/1	10/26	H	T	3	11	750	180,000	15 mi W of Joseph, OR

Table 3: Total Large Fire Acres and Costs

Total Count:	Total Acres:	Total Cost:
67	498,997	\$106,516,805

NW 2016 Non-Wildfire Incidents

Northwest Incident Management Type 2 Team - Johnson (OR-COC) was dispatched to the Malheur National Wildlife Refuge (January – March, 2016) in support of the Malheur Refuge Post Occupation incident.

NW 2016 Fires Utilizing other than Full Suppression or Multiple Suppression Strategies

Source: ICS-209. Lists fires (of any size) where the last-reported suppression strategy was Monitor, Confine, or Point Zone Protection, or used Multiple Suppression Strategies (which may also include Full Suppression). Fires that only used a Full Suppression strategy are not listed. Chosen management strategy(ies) may have changed over the duration of the fire.

Contain/out dates are unofficial, based on best available information. Costs are estimates derived from the final ICS-209 and do not represent final, reconciled figures. All fires listed were in timber fuels.

* Ownership Acronyms see *Appendix, Unit Identifier Legend*. [†] Cause: H=Human, L=Lightning, U=Undetermined/Under Investigation. ^{††} IMT=Highest level assigned to incident. ^{†††} Strategy/ies: M=Monitor, C=Confine, PZP=Point Zone Protection, FS=Full Suppression.

Table 4: Oregon Fires using other than Full Suppression or Multiple Suppression Strategies

Incident	Owner*	Start Date	Contain/ Out Date	Duration (Days)	Cause+	IMT+++	PSA	Acres	Cost	Location	Strategy/ies+++
Blue Top	OR-WIF	7/27	10/20	85	U	3	3	58	1,900,000	8 mi NE of Belknap Springs, OR	FS/M
Minam	OR-WWF	10/1	10/26	25	H	3	11	750	180,000	15 mi W of Joseph, OR	FS/M
Oregon Count: 2								Total Acres: 808	Total Cost: \$2,080,000		

Table 5: Washington Fires using other than Full Suppression or Multiple Suppression Strategies

Incident	Owner*	Start Date	Contain/ Out Date	Duration (Days)	Cause+	IMT+++	PSA	Acres	Cost	Location	Strategy/ies+++
Cox Valley	WA-OLP	7/21	10/9	80	L	3	1	58	126,286	8 mi S of Port Angeles, WA	C/M
Buck Creek	WA-OWF	7/22	10/17	87	L	5	5	3,500	670,000	4 mi NW of Trinity, WA	M
Godkin	WA-OLP	7/25	10/9	76	L	3	1	825	182,401	20 mi S of Port Angeles, WA	M
Hayes Two	WA-OLP	7/26	10/9	75	L	3	1	2,475	690,000	20 mi S of Port Angeles, WA	M
Ignar Creek	WA-OLP	7/29	10/9	72	L	3	1	160	15,000	19 mi NW of Lilliwaup, WA	M
North Touchet	WA-SES	7/30	8/5	6	H	4	10	536	700,000	26 mi NE of Walla Walla, WA	M
Saul	WA-OWF	8/21	10/17	57	H	3	5	550	20,000	7 mi SW of Trinity, WA	FS/M
Washington Count: 7								Total Acres: 8104	Total Cost: \$2,403,687		
NW Total Count: 9								Total Acres: 8,912	Total Cost: \$4,483,687		

NW 2016 Large Fire Location Maps

Map 1: Washington Large Fires



Map 2: Oregon Large Fires



Fire Occurrence Statistics (Sit Report)

NW Interagency Situation Report

Data in this section come from the Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2016. The graphics below display fire statistics based on the protecting agency, not land ownership (data entered in the SIT Report program captures statistics for both land ownership and protecting agency).

SIT reporting for the NW is confined within the Geographic Area (GA) boundary. The GA mimics the Oregon and Washington state boundaries with small portions of neighboring states (ID, NV, and CA) where GA boundaries deviate from state boundaries. Likewise, neighboring GAs also administer small portions of Oregon and Washington.

In the NW, Sit reporting captures state and federally-protected wildlands (except DOD and DOE). In Oregon, no formal reporting structure exists for County & Local (C&L) fires. In Washington, detailed reporting is limited for C&L fires, and generally captures only fires greater than 300 acres in size.

Charts: Current & Historical Fires & Acres (Oregon & Washington)

Source: Interagency Situation Report (SIT-209), reported 12/31/2016.

Chart 3: NW 2016 Reported Fires vs. 10-Year Average

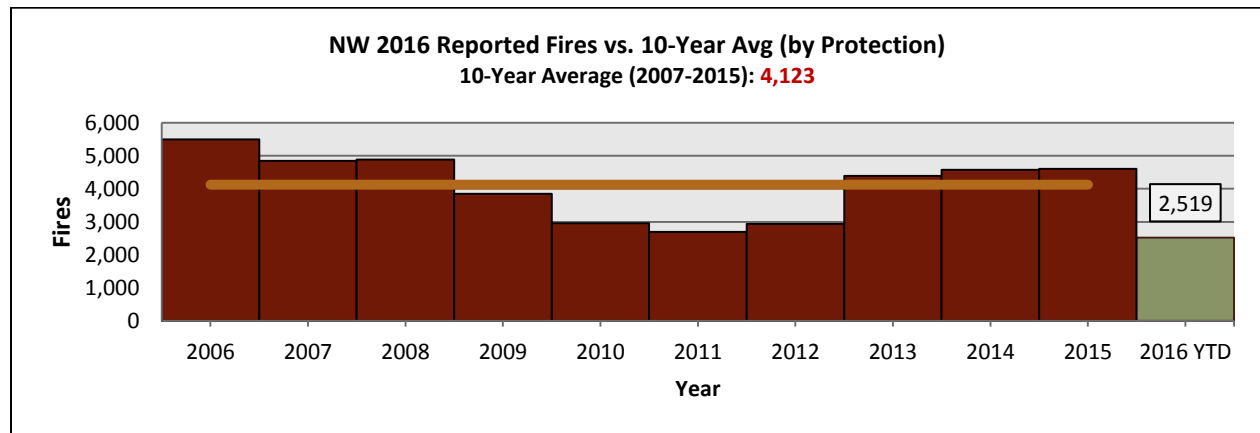


Chart 4: NW 2016 Reported Acres Burned vs. 10-Year Average

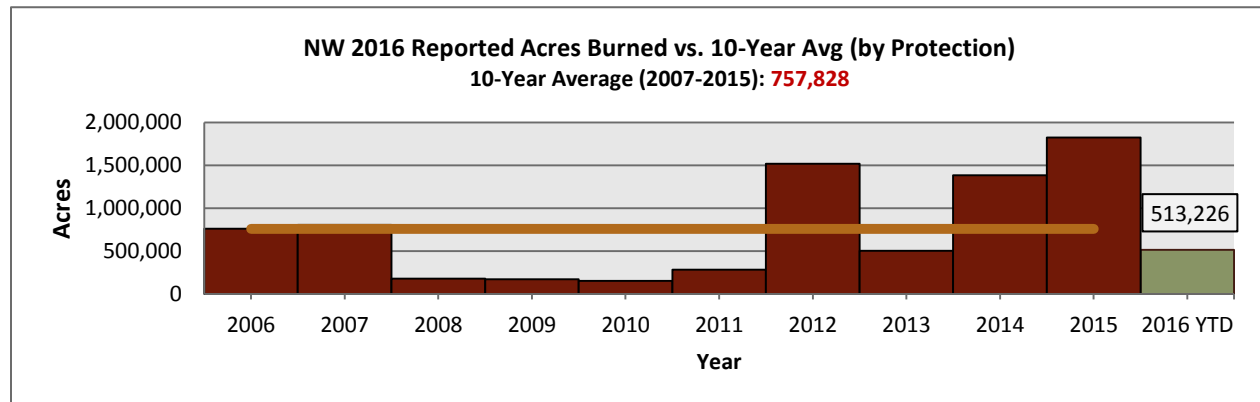


Chart 5: Oregon 2016 Reported Fires vs. 10-Year Average

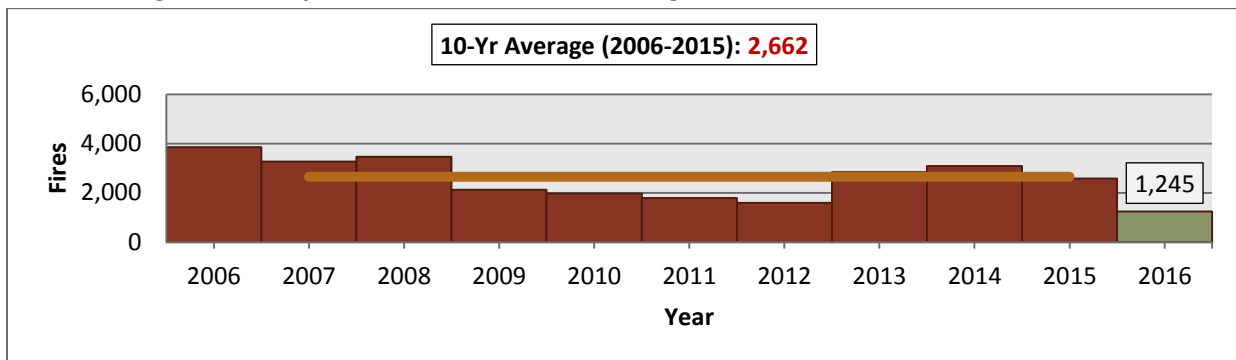


Chart 6: Oregon 2016 Reported Acres Burned vs. 10-year Average

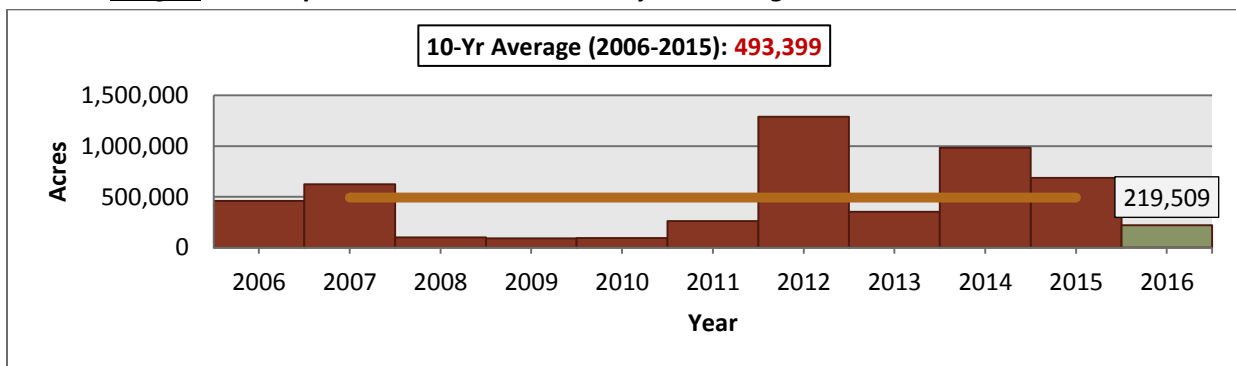


Chart 7: Washington 2016 Reported Fires vs. 10-Year Average

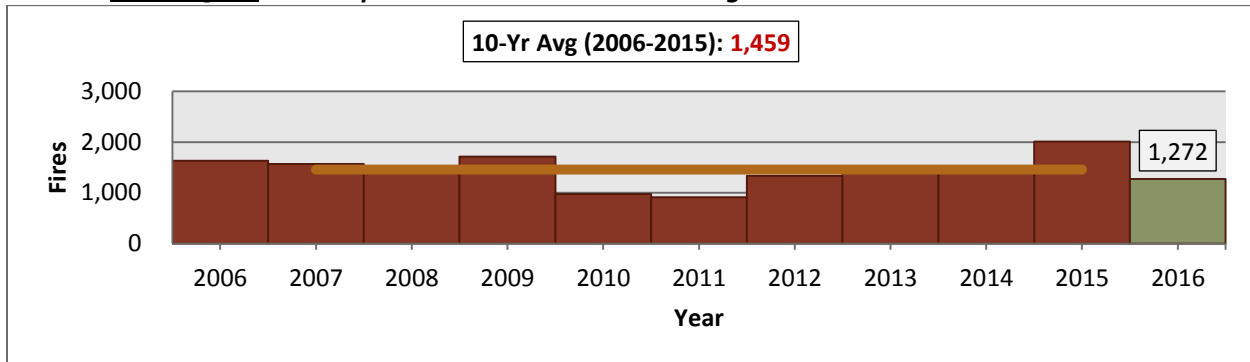
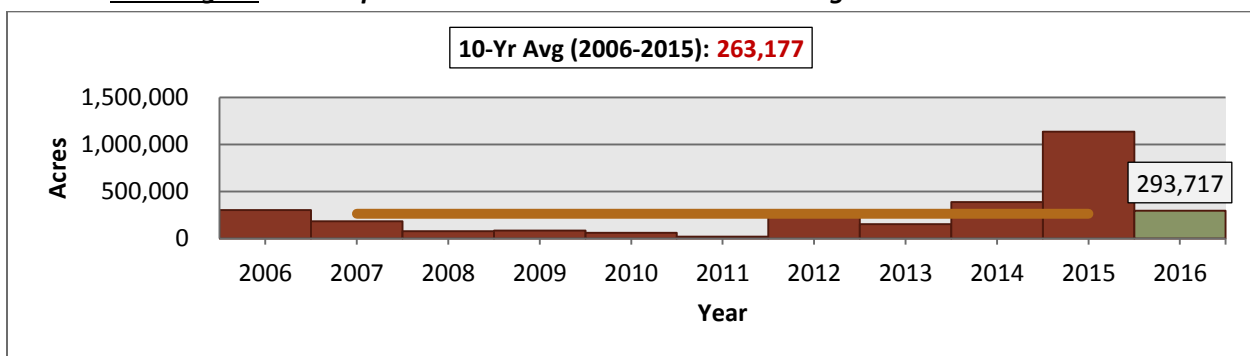


Chart 8: Washington 2016 Reported Acres Burned vs. 10-Year Average



Charts: 2016 Fires & Acres (by Protecting Agency)

Source: Interagency Situation Report (SIT-209), reported 12/31/2016.

BIA = Bureau of Indian Affairs, BLM = Bureau of Land Management, FS = Forest Service, FWS = Fish & Wildlife Service, NPS = National Park Service, ODF = Oregon Department of Forestry, DNR = Washington Department of Natural Resources.

The charts below display fire statistics based on protecting agency, not land ownership.

Chart 9: NW 2016 Reported Fires & Cause (by Protecting Agency)

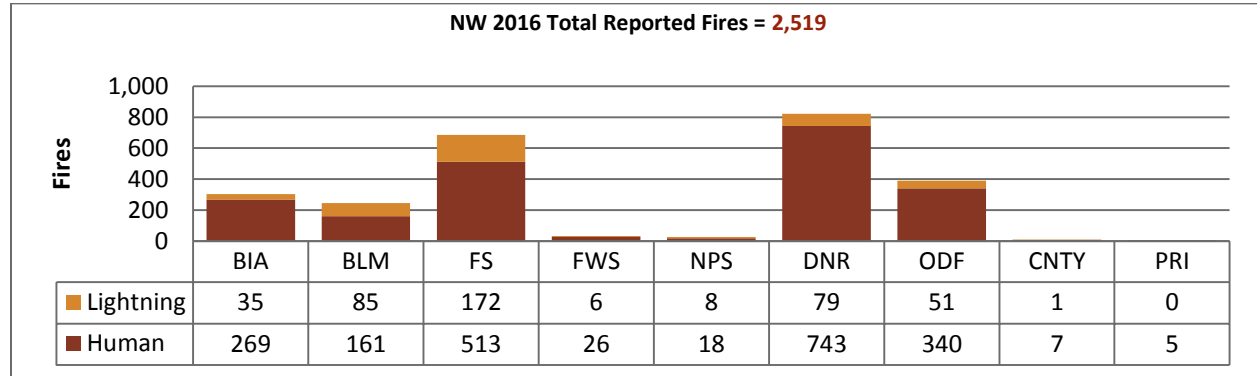


Chart 10: NW 2016 Reported Acres Burned & Cause (by Protecting Agency)

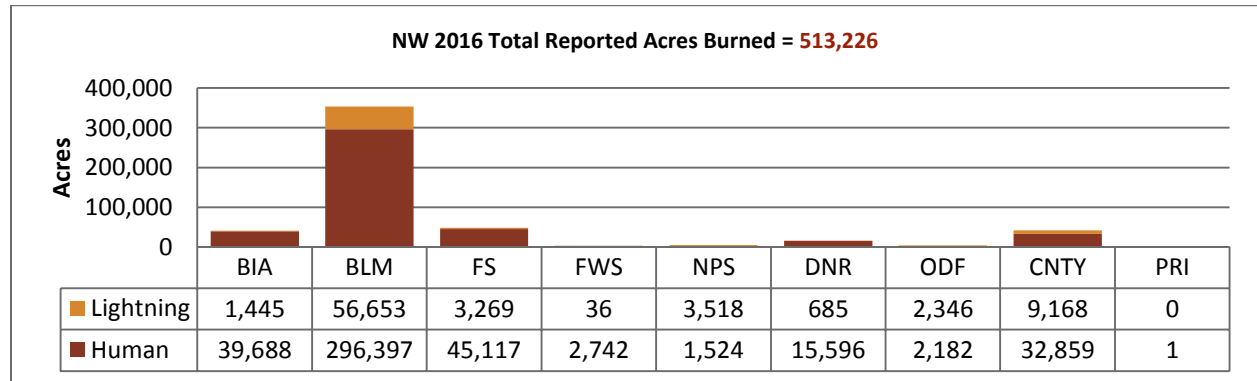


Chart 11: NW 2016 Reported Fires (by Protecting Agency) as a Percentage of Total

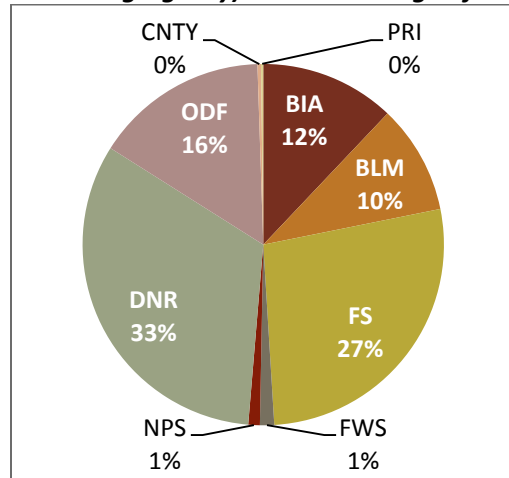
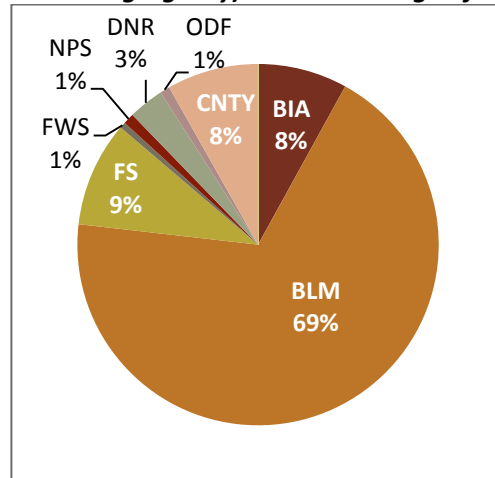


Chart 12: NW 2016 Reported Acres Burned (by Protecting Agency) as a Percentage of Total



2016 NW Fires & Acres Tables (by Protecting Agency)

Source: Interagency Situation Report (SIT-209), as reported by NW dispatch offices as of 12/31/2016.

The tables below display fire statistics based on protecting agency, not land ownership.

DNR = DNR, NF = National Forest, NHP = National Historic Park, NHS = National Historic Site, NM = National Monument, NP = National Park, NRA = National Recreation Area, NSA = National Scenic Area, NWR = National Wildlife Refuge, ODF = Oregon Department of Forestry

Table 6: 2016 NW Fires & Acres by State & Agency (by Protecting Agency)

State	Agency	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
Idaho	FS	0	0	2	0	2	0
Idaho Total		0	0	2	0	2	0
Oregon	BIA	65	5,872	0	0	65	5,872
	BLM	134	106,120	80	56,245	214	162,365
	FWS	1	2	1	6	2	8
	NPS	7	1,072	0	0	7	1,072
	ST	340	2,182	51	2,346	391	4,528
	C&L	5	1	0	0	5	1
	FS	418	44,565	143	1,098	561	45,663
Oregon Total		970	159,814	275	59,695	1,245	219,509
Washington	BIA	204	33,816	35	1,445	239	35,261
	BLM	27	190,277	5	408	32	190,685
	FWS	25	2,740	5	30	30	2,770
	NPS	11	452	8	3,518	19	3,970
	ST	743	15,596	79	685	822	16,281
	OTHR	0	0	0	0	0	0
	C&L	7	32,859	1	9,168	8	42,027
	FS	95	552	27	2,171	122	2,723
Washington Total		1,112	276,292	160	17,425	1,272	293,717
		Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
2016 NW Grand Total		2,082	436,106	437	77,120	2,519	513,226

Table 7: 2016 NW Individual Units Fires & Acres (by Protecting Agency)

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
BIA	Oregon	Umatilla Agency	12	945	0	0	12	945
		Warm Springs Agency	53	4,927	0	0	53	4,927
	Oregon Total		65	5,872	0	0	65	5,872
	Washington	Colville Agency	32	7,146	33	1,443	65	8,589
		Spokane Agency	9	18,209	1	1	10	18,210
		Yakama Agency	158	8,460	1	1	159	8,461
		Kalispel Tribe	5	1	0	0	5	1
	Washington Total		204	33,816	35	1,445	239	35,261
BIA Total			269	39,688	35	1,445	304	41,133
BLM	Oregon	Burns District	8	28	13	1,380	21	1,408
		Coos Bay District (OR-CBD)	0	0	0	0	0	0
		Eugene District (OR-EIC)	2	0	0	0	2	0
		Lakeview District	8	3,034	12	1	20	3,035
		Medford District (OR-RVC)	7	0	0	0	7	0
		Prineville District (OR-COC)	58	67,314	27	6,307	85	73,621
		Roseburg District (OR-ROD)	5	0	0	0	5	0
		Salem District (OR-CVC)	10	1	1	1	11	2
		Vale District (OR-VAD)	36	35,743	27	48,556	63	84,299
	Oregon Total		134	106,120	80	56,245	214	162,365
	Washington	Spokane District (WA-CWC)	23	188,055	4	377	27	188,432
		Spokane District (WA-NEC)	4	2,222	1	31	5	2,253
	Washington Total		27	190,277	5	408	32	190,685
BLM Total			161	296,397	85	56,653	246	353,050
FWS	Oregon	Bear Valley NWR	0	0	0	0	0	0
		Hart Mountain NWR	0	0	0	0	0	0
		Klamath Marsh NWR	1	2	0	0	1	2
		Malheur NWR	0	0	0	0	0	0
		Sheldon-Hart Mountain NWR Complex	0	0	1	6	1	6
		Upper Klamath NWR	0	0	0	0	0	0
	Oregon Total		1	2	1	6	2	8
	Washington	Little Pend Oreille NWR	3	0	0	0	3	0
		Mid Columbia NWR Complex	22	2,740	5	30	27	2,770
		Ridgefield NWR Complex	0	0	0	0	0	0
		Turnbull NWR	0	0	0	0	0	0
		Willapa NWR Complex	0	0	0	0	0	0
Washington Total		25	2,740	5	30	30	2,770	
FWS Total			26	2,742	6	36	32	2,778
NPS	Oregon	Crater Lake NP	7	1,072	0	0	7	1,072
		Oregon Caves NM	0	0	0	0	0	0
	Oregon Total		7	1,072	0	0	7	1,072
	Washington	Lake Roosevelt NRA	4	451	0	0	4	451
		Mt. Rainier NP	1	0	1	0	2	0
		North Cascades NP	0	0	0	0	0	0
		North Cascades NP	6	1	7	3,518	13	3,519
		San Juan Island NHP	0	0	0	0	0	0
		Whitman Mission NHS	0	0	0	0	0	0
		Washington Total		11	452	8	3518	19
NPS Total			18	1,524	8	3,518	26	5,042

FIRE MAPS & STATISTICS | 2016 NW Fires & Acres Tables (by Protecting Agency)

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres	
ST	Oregon	Tillamook District	2	0	0	0	2	0	
		Astoria District	0	0	0	0	0	0	
		Forest Grove Unit	10	2	0	0	10	2	
		Columbia City Unit	0	0	0	0	0	0	
		Philomath Unit	2	5	0	0	2	5	
		Dallas Unit	5	1	0	0	5	1	
		Toledo Unit	0	0	0	0	0	0	
		Molalla Unit	3	3	1	0	4	3	
		Santiam Unit	5	4	0	0	5	4	
		Medford Unit	62	45	3	0	65	45	
		Grants Pass Unit	45	9	2	3	47	12	
		Coos Unit - Coos FPA	0	0	0	0	0	0	
		Bridge Sub-Unit - Coos FPA	0	0	0	0	0	0	
		Gold Beach Sub-Unit - Coos FPA	0	0	0	0	0	0	
		North Unit - Douglas FPA	0	0	0	0	0	0	
		South Unit - Douglas FPA	0	0	0	0	0	0	
		Central Unit - Douglas FPA	1	0	0	0	1	0	
		East Lane Unit	6	0	0	0	6	0	
		Sweet Home Unit	2	6	0	0	2	6	
		Western Lane District	48	250	0	0	48	250	
		Prineville Unit	1	1	8	2	9	3	
		John Day Unit (OR-COC)	0	960	0	0	0	960	
		John Day Unit (OR-MAF)	11	70	8	108	19	178	
		The Dalles Unit (OR-COC)	18	16	0	0	18	16	
		The Dalles Unit (WA-CCC)	0	0	0	0	0	0	
		Sisters Unit	27	7	4	2,104	31	2,111	
		LaGrande District	5	3	3	1	8	4	
		Baker Unit	6	44	3	0	9	44	
		Pendleton Unit	7	689	2	121	9	810	
		Wallowa Unit	10	12	3	1	13	13	
		Klamath Unit	51	28	12	5	63	33	
		Lake Unit	13	27	2	1	15	28	
		Walker Range Unit - Walker FPA	0	0	0	0	0	0	
	Oregon Total			340	2,182	51	2346	391	4,528
	Washington	Northeast Region-DNR (WA-NEC)		316	12,008	62	645	378	12,653
		Northeast Region-DNR (WA-NES)		0	0	0	0	0	0
		Northwest Region-DNR		48	436	1	1	49	437
		Olympic Region-DNR		19	9	0	0	19	9
		Pacific Cascade Region-DNR		112	151	0	0	112	151
		Southeast Region-DNR (OR-BMC)		6	540	2	36	8	576
		Southeast Region-DNR (WA-CWC)		115	2,376	12	3	127	2,379
		South Puget Sound Region-DNR		127	76	2	0	129	76
	Washington Total			743	15,596	79	685	822	16,281
ST Total			1,083	17,778	130	3,031	1,213	20,809	

FIRE MAPS & STATISTICS | 2016 NW Fires & Acres Tables (by Protecting Agency)

Agency State Unit Name			Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
Other	Oregon	Private (OR-71C)	5	1	0	0	5	1
	Oregon Total		5	1	0	0	5	1
Other Total			5	1	0	0	5	1
C&L	Oregon	Oregon Fire Service	0	0	0	0	0	0
	Oregon Total		0	0	0	0	0	0
	Washington	Washington State Fire Marshal's Office	7	32,859	1	9,168	8	42,027
	Washington Total		7	32,859	1	9,168	8	42,027
C&L Total			7	32,859	1	9,168	8	42,027
FS	Idaho	Hells Canyon NRA	0	0	2	0	2	0
	Idaho Total		0	0	2	0	2	0
	Oregon	Malheur NF-Burns Fire Zone	15	7	2	4	17	11
		Columbia River Gorge NSA	15	27	1	0	16	27
		Deschutes NF	128	304	20	10	148	314
		Fremont-Winema NF	19	14	16	509	35	523
		Malheur NF-Burns Fire Zone	19	14,584	10	307	29	14,891
		Mt. Hood NF	55	8	5	1	60	9
		Ochoco NF	22	1,482	18	13	40	1,495
		Rogue River-Siskiyou NF	34	31	16	15	50	46
		Siuslaw NF	13	1	1	1	14	2
		Umatilla NF - Oregon	7	10	7	197	14	207
		Heppner District - Umatilla NF	2	41	2	6	4	47
		Umpqua NF	25	3	12	5	37	8
		Willamette NF	39	66	2	0	41	66
		Wallowa-Whitman NF (OR-BMC)	25	27,987	31	30	56	28,017
	Oregon Total		418	44,565	143	1,098	561	45,663
	Washington	Colville NF	3	5	4	16	7	21
		Gifford Pinchot NF	16	2	1	0	17	2
		Mt. Baker-Snoqualmie NF	17	2	1	0	18	2
		Olympic NF	6	1			6	1
		Okanogan-Wenatchee NF (WA-CWC)	52	542	18	2,155	70	2,697
		Okanogan-Wenatchee NF (WA-NEC)	0	0	0	0	0	0
		Umatilla NF - Washington	1	0	3	0	4	0
Washington Total		95	552	27	2,171	122	2,723	
FS Total			513	45,117	172	3,269	685	48,386
			Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
2016 NW Grand Total			2,082	436,106	437	77,120	2,519	513,226

RESOURCE INFORMATION & STATISTICS

NW Incident Management Teams Assignment History

Source: COGNOS/ROSS Reports. NW Area NIMO, Type 1 & Type 2 IMTs.

Table 8: NW All IMTs Total Days Assigned

NIMO, Type 1 & Type 2 IMTs

						Total Days Assigned
						291

Table 9: Portland NIMO

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
Portland NIMO - Hahnenberg	CO-RMC	CO-CRC	BEAVER CREEK	Fire - Wildfire	8/19	36
	GA-SAC	NC-NCC	NCF PREPOSITION LARGE FIRE SUPPORT	Preparedness/ Preposition	11/29	11
Total						47

Table 10: NW Type 1

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
PNW Team 2 - Shulte	OR-NWC	OR-LFC	BYBEE CREEK	Fire - Wildfire	8/3	4
PNW Team 3 - Livingston	GA-SAC	GA-GIC	ROCK MOUNTAIN	Fire - Wildfire	11/12	18
Total						22

Table 11: ODF

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
ODF Team 1 - Buckman	GA-SAC	NC-NCSC	PARTY ROCK	Fire - Wildfire	11/18	18
ODF Team 2 - Cline	OR-NWC	OR-78C	HIGH PASS 12.5	Fire - Wildfire	8/26	1
ODF Team 3 - Smith	OR-NWC	OR-COC	0152 AKAWANA OD	Fire - Wildfire	6/8	8
Total						27

Table 12: NW Type 2

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
NW TEAM 6 - Sheldon	OR-NWC	OR-BMC	RAIL	Fire - Wildfire	8/14	16
NW Team 7 - Knerr	OR-NWC	WA-NEC	HART	Fire - Wildfire	8/22	11
	OR-NWC	WA-CWC	ROCK CREEK	Fire - Wildfire	9/11	10
NW Team 8 - Johnson	OR-NWC	OR-BIC	MALHEUR NWR - POST OCCUPATION SUPPORT	Incident/Event Support	1/29	48
	OR-NWC	WA-CWC	RANGE 12	Fire - Wildfire	7/31	8
	OR-NWC	OR-VAC	CHERRY ROAD	Fire - Wildfire	8/22	6
NW Team 9 - Goff	OR-NWC	WA-CAC	KEWA FIRE	Fire - Wildfire	8/3	10
	OR-NWC	WA-SAC	CAYUSE MTN.	Fire - Wildfire	8/23	10
NW Team 10 - Ciraulo	OR-NWC	WA-NDC	HOT SHOT	Fire - Wildfire	5/13	7
	OR-NWC	OR-LFC	WITHERS	Fire - Wildfire	8/18	2
	OR-NWC	OR-NWC	RAC MOB 2016	Fire - Wildfire	8/19	4
	OR-NWC	WA-NEC	DEEP NORTH	Fire - Wildfire	8/21	13
NW Team 11 - Rabe	OR-NWC	WA-NEC	SPOKANE COMPLEX	Fire - Wildfire	8/22	1
	OR-NWC	WA-NEC	YALE	Fire - Wildfire	8/22	9
NW Team 12 - Harrod	OR-NWC	OR-BMC	RAIL	Fire - Wildfire	7/31	17
	OR-NWC	WA-CWC	SUNCREST	Fire - Wildfire	8/28	6
NW Team 13 - Gales	OR-NWC	OR-VAC	SIMMONS GULCH	Fire - Wildfire	8/8	7
	OR-NWC	OR-BMC	RAIL	Fire - Wildfire	8/27	14
Total						199

NW Interagency Hotshot Crews

Source: COGNOS/ROSS Reports.

Chart 13: Days Assigned to Incidents 2016

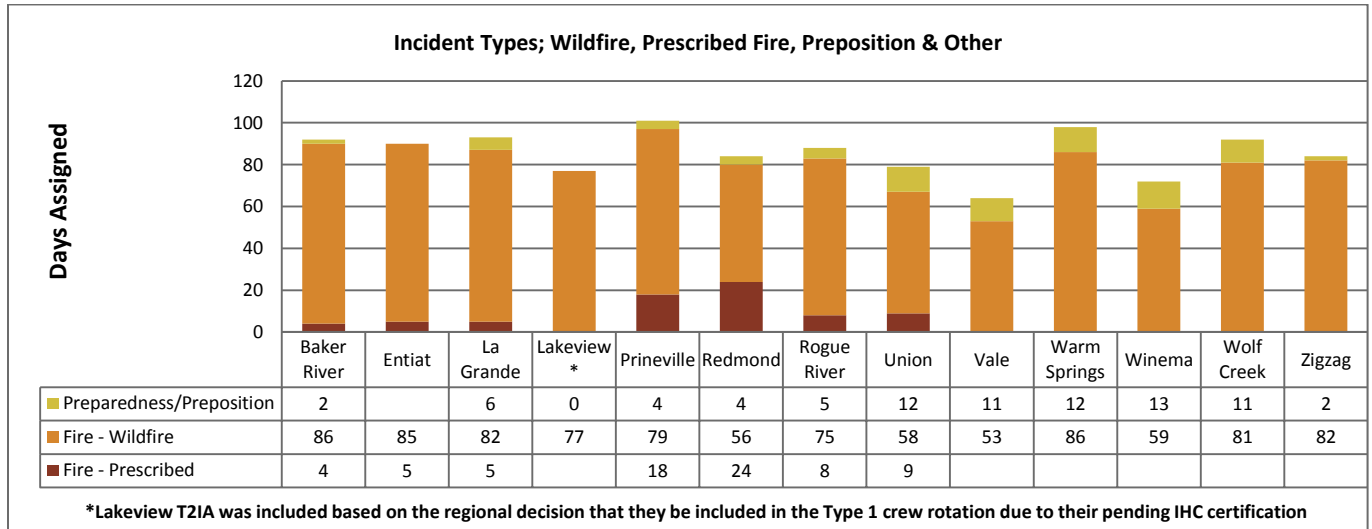
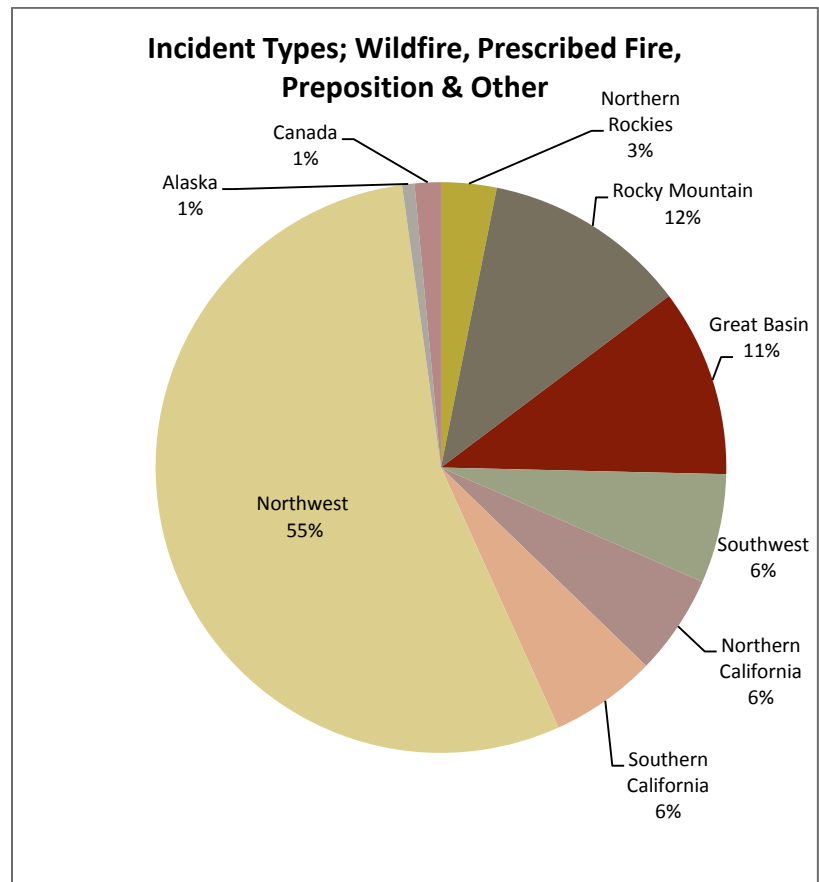


Table 13: Days Assigned & Percentage of Total by Geographic Area 2016

GACC	Days	%
Southern Area	0	0%
Eastern Area	0	0%
Northern Rockies	36	3%
Rocky Mountain	133	12%
Great Basin	122	11%
Southwest	71	6%
Northern California	65	6%
Southern California	69	6%
Northwest	626	55%
Alaska	8	1%
Canada	17	1%
Total	1,147	100%

Chart 14: Percentage of Total Days Assigned by Geographic Area 2016



NW Smokejumpers

North Cascades Smokejumpers

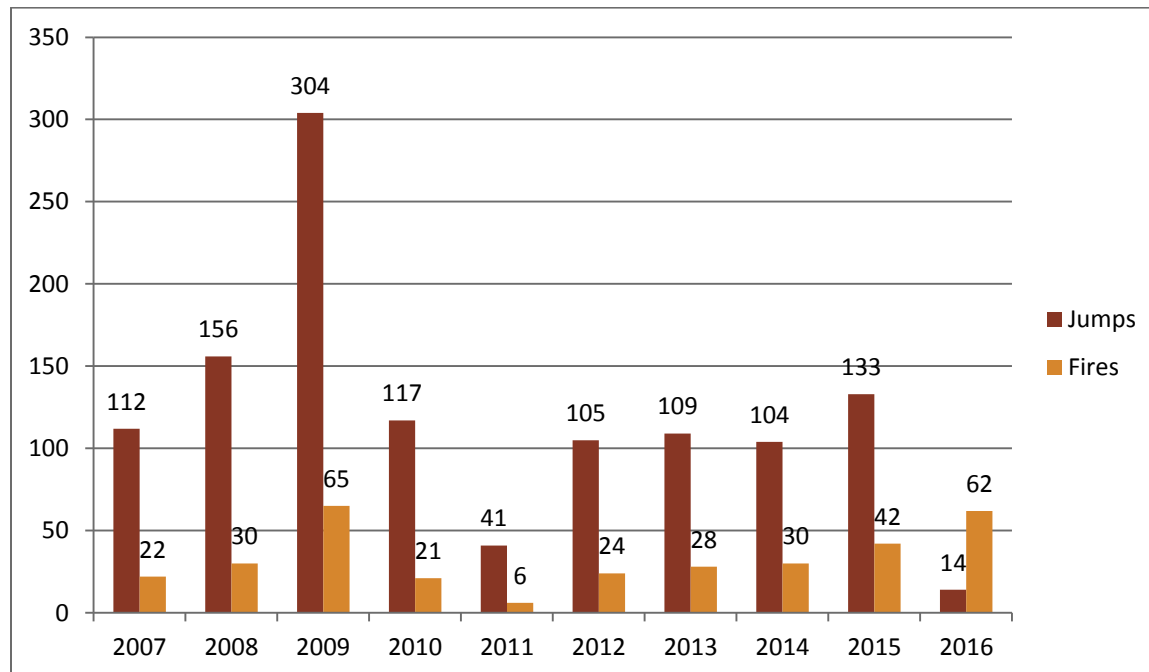
Source: North Cascades Smokejumper Base (NCSB), excerpt. For full report, contact NCSB.

2016 Fire Season Summary

In summary, **10** fires were jumped out of NCSB in 2016. The first occurred on July 3rd and the last occurred on September 28th. Through Booster actions NCSB jumpers staffed another 4 fires, one out of Redding, CA and 3 out of West Yellowstone, MT. Nationally the North Cascades Smokejumpers conducted **487** jumps with **0** injuries.

The North Cascades Smokejumper Base jumped **10** fires out of NCSB and **4** as boosters in 2016. The base provided assistance to incident management teams on **14** separate large fires through **31** single resource assignments and **2** ground crew assignments. Prescribed burning accounted for **34%** of assignment days for a total of **378** days. In addition to local RX work the smokejumper program routinely assists the Southeast Region with both prescribed and wildland fire. In 2016 NCSB smokejumpers were assigned to incidents in the Southeast for **366** days during **7** different months.

Chart 15: NCSB Smokejumper's 10 Year Fire Jump Numbers



Redmond Smokejumpers

Source: Redmond Air Center (RAC), excerpt. For full report, contact RAC.

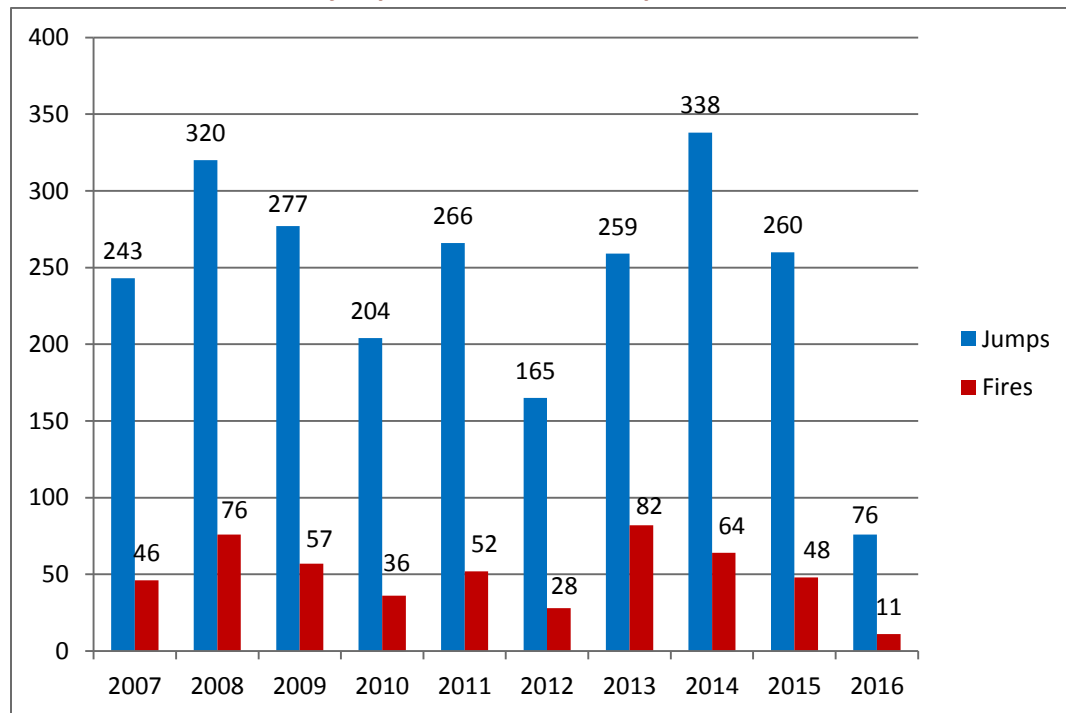
2016 Fire Season Summary

Out of Redmond, **11** fires were jumped totaling **76** fire jumps. Redmond Smokejumpers and boosters responded to fires in **5** different land management units. The first fire jump occurred on **May 3rd** and the last on **August 17th**. The **11** fires are approximately **19%** of our 10-year average of **58** fires, and **76** fire jumps is **27%** of our 10-year average of **277** fire jumps.

Redmond received 0 boosters for the season. Redmond Smokejumpers boosted other bases 7 times, delivering 54 jumpers. Redmond Smokejumpers aided in staffing 13 fires as boosters with a total of 44 fire jumps.

Redmond Smokejumpers filled 55 single resource assignments totaling 766 person days. The 766 person days amounted to 83% of our fire suppression workload in 2016.

Chart 16: Redmond Smokejumper's 10 Year Fire Jump Numbers



NW Rappel Aircraft

Source: Oregon BLM State Office/FS Region 6 Regional Office (SORO) Aviation Program report, excerpt. For full report, contact SORO.

Table 14: 2016 Activity Totals – Region 6

	Wenatchee	Sled Springs	Blue Mountain	John Day	Siskiyou	Prineville	Totals	Average
Flight Hours on Fire	157.8	148.2	117.0	206.1	176.0	125.1	930.2	155.0
Flight Hours Other	22.3	21.5	12.1	25.3	22.1	25.5	128.8	21.5
Days on Contract	145	127	122	120	120	120	754	125.7
Days Flown on MAP*	58	68	64	70	70	68	398	66.3
% Days Flown on MAP*	40%	54%	52%	58%	58%	57%	-	53%
# Initial Attack Count	20	32	11	16	3	15	97	16.2
# Large Fires	11	6	19	3	1	3	43	7.2
Person Days on Fire	1574	206	1903	1358	369	732	6142	1023.7
Training Rappels	80	0	0	78	136	14	308	51.3
Proficiency Rappels	156	211	168	143	198	164	1040	173.3
Operational Rappels	16	38	4	16	21	22	117	19.5
Total Rappels	252	249	172	237	355	200	1465	244.2
Rappelers Initial/Extended Attack	4	7	1	4	5	7	28	4.7
Helitack Initial Attack Count	13	6	10	12	0	10	51	8.5

*MAP (Mandatory Availability Period)

Chart 17: 2016 Flight Hours on Fire

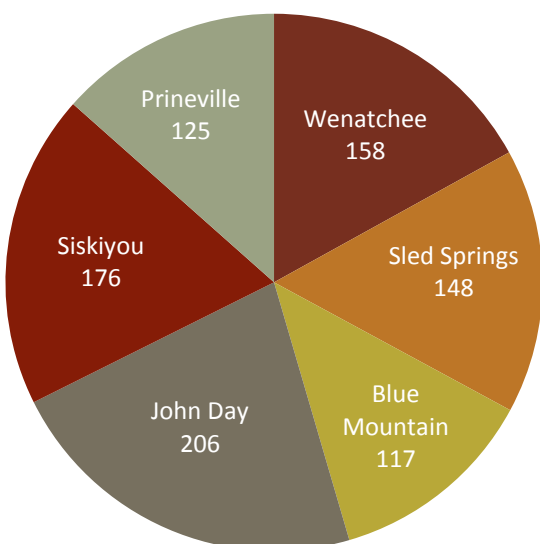
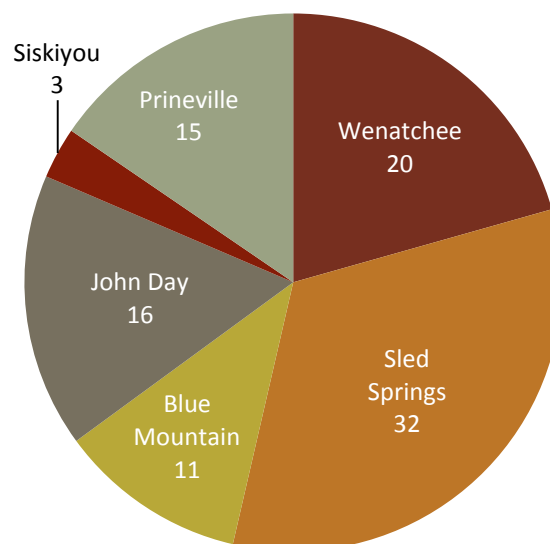


Chart 18: 2016 Initial Attack Count



Redmond Air Tanker Base

Source: Redmond Air Center (RAC), excerpt. For full report, contact RAC.

The USFS Pacific Northwest Air Tanker Base Program consists of the six "large" air tanker bases in the region hosted by area forests. Some also support MAFFS and VLAT air tankers and other types of incident support aircraft including smoke jumping aircraft, helicopters and other aircraft. For other Northwest Air Tanker Base figures, contact respective bases.

2016 Year End Totals

RETARDANT

Gallons of Retardant -----	400,072
Loads of Retardant-----	221
Retardant Cost to Fires -----	\$972,612.70
Retardant Contract Length -----	150 days
Contract Extension-----	0 days
Retardant Loads Aborted or Jettisoned -----	1
Average Turnaround Time -----	12 minutes

FIRE INFORMATION

Number of Agency Users-----	8
Number of Fires Worked With Air Tankers -----	42
Number of Initial Attack Fires-----	28
Number of Fires Reinforced -----	14
Number of Air Tankers that operated from RDM-----	20

LANDINGS

Total Number of Landings -----	160
Total Landing Fee Costs (at \$3.05 per 1000lbs)-----	\$32,789.26
Types of Air Tankers Making Landings-----	6
(BAE-146, P-2V, C-580, DC-7, RJ-85, SEATs)	

PEAK OPERATIONS

Max # of Air Tankers Operating in One Day (July 30) -----	8
Max # of Incidents Worked in One Day (August 27)-----	2
Max. # of Loads in One Day (June 30)-----	38
Max. # of Gallons Retardant Pumped in One Day (June 30)-----	97,464
Max # of Landings in One Day (June 30) -----	36
First Air Tanker Mission Flown-----	June 8
Where Flown: "Draw", (USFS)	
Last Air Tanker Mission Flown -----	September 30
Where Flown: "East Maury" (USFS)	

APPENDIX

NW Dispatch Centers

Table 15: Washington

Government Level	NWCG ID	Unit Name	Organizational Level
Federal	WA-CCC	Columbia Cascade Communications Center	Local
	WA-COA	Colville Agency Dispatch Center	Local
	WA-CWC	Central Washington Interagency Communication Center	Local
	WA-NEC	Northeast Washington Interagency Communications Center	Local
	WA-PSC	Puget Sound Interagency Coordination Center	Local
	WA-SPA	Spokane Agency Dispatch Center	Local
	WA-YAC	Yakama Agency Dispatch Center	Local
State	WA-WAS	Washington State Headquarters Dispatch Center (Olympia)	State
	WA-WSP	Washington State Fire Marshal (Olympia)	State
	WA-NES	Northeast Region DNR	Local
	WA-NWS	Northwest Region DNR	Local
	WA-OLS	Olympic Region DNR	Local
	WA-PCS	Pacific Cascade Region DNR	Local
	WA-SES	Southeast Region DNR	Local
	WA-SPS	South Puget Sound Region DNR	Local

Table 16: Oregon

Government Level	NWCG ID	Unit Name	Organizational Level
Federal	OR-NWC	Northwest Interagency Coordination Center	Regional
	OR-BIC	Burns Interagency Communication Center	Local
	OR-BMC	Blue Mountain Interagency Dispatch Center	Local
	OR-CBD	Coos Bay District Dispatch Center	Local
	OR-COC	Central Oregon Interagency Dispatch Center	Local
	OR-CVC	Coastal Valley Interagency Communication Center	Local
	OR-EIC	Eugene Interagency Communication Center	Local
	OR-JDCC	John Day Interagency Communication Center	Local
	OR-LFC	Lakeview Interagency Fire Center	Local
	OR-ROD	Roseburg District Dispatch Center	Local
	OR-RVC	Rogue Valley Interagency Communication Center	Local
	OR-UPF	Umpqua National Forest Dispatch Center	Local
	OR-VAD	Vale District Dispatch Center	Local
	OR-WSA	Warm Springs Agency Dispatch Center	Local
State	OR-ORC	ODF State Headquarters Dispatch Center (Salem)	State
	OR-51C	Tillamook District Dispatch Center	Local
	OR-52S	Astoria District Dispatch Center	Local
	OR-53C	Forest Grove District Dispatch Center	Local
	OR-55S	West Oregon District Dispatch Center	Local
	OR-58S	North Cascade District	Local
	OR-71C	Medford Dispatch Center	Local
	OR-72S	Coos Forest Protection Agency	Local
	OR-73S	Douglas Forest Protection Agency	Local
	OR-77S	South Cascade Dispatch Center	Local
	OR-78C	Western Lane Dispatch Center	Local
	OR-99C	Walker Range Forest Protection Agency	Local

NW Federal & State Agency Identifiers

Government Level	Department	Acronym	Name
Federal	Interior	BIA	Bureau of Indian Affairs
	Agriculture	BLM	Bureau of Land Management
		FWS	Fish & Wildlife Service
		NPS	National Park Service
		USFS	Forest Service
State	--	ODF	Oregon Department of Forestry
		DNR	Washington Department of Natural Resources
		OFS	Oregon Office of State Fire Marshal
		WFS	Washington Office of State Fire Marshal

NW Local Unit Identifiers

DNR = Department of Natural Resources, NF = National Forest, NHP = National Historic Park, NHS = National Historic Site, NM = National Monument, NP = National Park, NRA = National Recreation Area, NSA = National Scenic Area, NWR = National Wildlife Refuge, ODF = Oregon Department of Forestry

Table 17: Federal

Agency	State-ID	Unit Name
BIA	OR-SIA	Siletz Field Office
	OR-UMA	Umatilla Agency
	OR-WSA	Warm Springs Agency
	WA-COA	Colville Agency
	WA-SPA	Spokane Agency
	WA-YAA	Yakama Agency
BLM	OR-BUD	Burns District
	OR-CBD	Coos Bay District
	OR-EUD	Eugene District
	OR-KFD	Klamath Falls Resource Area
	OR-LAD	Lakeview District
	OR-MED	Medford District
	OR-PRD	Prineville District
	OR-ROD	Roseburg District
	OR-SAD	Salem District
	OR-VAD	Vale District
	WA-SPD	Spokane District
FWS	OR-AKR	Ankeny NWR
	OR-BKR	Baskett Slough NWR
	OR-BVR	Bear Valley NWR
	OR-HMR	Hart Mountain NWR
	OR-KLR	Klamath Marsh NWR
	OR-MAR	Malheur NWR
	OR-UKR	Upper Klamath NWR
	OR-WMR	William L. Finley NWR
	WA-LPR	Little Pend Oreille NWR
	WA-MCR	Mid-Columbia NWR Complex
	WA-RFR	Ridgefield NWR Complex
	WA-TBR	Turnbull NWR

Agency	State-ID	Unit Name
NPS	WA-WLR	Willapa NWR Complex
	OR-CLP	Crater Lake NP
	OR-OCP	Oregon Caves NM
	WA-LRP	Lake Roosevelt NRA
	WA-MRP	Mount Rainier NP
	WA-NCP	North Cascades NP
	WA-OLP	Olympic NP
	WA-SJP	San Juan Islands NHP
	WA-WMP	Whitman Mission NHS
USFS	ID-WWF	Hells Canyon NRA
	OR-BFZ	Malheur NF - Burns Fire Zone
	OR-CGF	Columbia River Gorge NSA
	OR-DEF	Deschutes NF
	OR-FWF	Fremont-Winema NF
	OR-MAF	Malheur NF
	OR-MHF	Mt. Hood NF
	OR-OCF	Ochoco NF
	OR-RSF	Rogue River-Siskiyou NF
	OR-SUF	Siuslaw NF
	OR-UMF	Umatilla NF (Oregon)
	OR-UMFH	Heppner District - Umatilla NF
	OR-UPF	Umpqua NF
	OR-WIF	Willamette NF
	OR-WWF	Wallowa-Whitman NF
	WA-COF	Colville NF
	WA-GPF	Gifford Pinchot NF
	WA-MSF	Mt. Baker-Snoqualmie NF
	WA-OLF	Olympic NF
	WA-OWF	Okanogan-Wenatchee NF
	WA-UMF	Umatilla NF (Washington)

NW Local Unit Identifiers

Table 18: State

Agency	State-ID	Unit Name
County & Local	OR-OFS	Oregon Fire Service
	WA-WFS	Washington State Fire Marshal's Office
DNR	WA-NES	Northeast Region DNR
	WA-NWS	Northwest Region DNR
	WA-OLS	Olympic Region DNR
	WA-PCS	Pacific Cascade Region DNR
	WA-SES	Southeast Region DNR
	WA-SPS	South Puget Sound Region DNR
ODF	OR-510S	Tillamook District
	OR-520S	Astoria District
	OR-531S	Forest Grove Unit
	OR-532S	Columbia City Unit
	OR-551S	Philomath Unit
	OR-552S	Dallas Unit
	OR-553S	Toledo Unit
	OR-581S	Molalla Unit
	OR-582S	Santiam Unit
	OR-711S	Medford Unit
	OR-712S	Grants Pass Unit
	OR-721S	Coos Unit - Coos FPA
	OR-722S	Bridge Sub-Unit - Coos FPA
	OR-723S	Gold Beach Sub-Unit - Coos FPA
	OR-731S	North Unit - Douglas FPA
	OR-732S	South Unit - Douglas FPA
	OR-733S	Central Unit - Douglas FPA
	OR-771S	East Lane Unit
	OR-772S	Sweet Home Unit
	OR-781S	Western Lane District
	OR-951S	Prineville Unit
	OR-952S	John Day Unit
	OR-954S	The Dalles Unit
	OR-955S	Sisters Unit
	OR-971S	LaGrande District
	OR-972S	Baker Unit
	OR-973S	Pendleton Unit
	OR-974S	Wallowa Unit
	OR-981S	Klamath Unit
	OR-982S	Lake Unit
	OR-991S	Walker Range FPA