Northwest Annual Fire Report 2017











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TABLE of CONTENTS

TABLE of CONTENTS	. 1
SUMMARY INFORMATION	. 3
NWCC Mission	3
NWCC Annual Fire Report General Information	3
NWCC ACCOMPLISHMENTS	. 4
A Review of 2017 Overview NWCC Center Manager Public Information and Communication Chart 1: NWCC Web Total Page Views (Jun - Sep) Chart 2: NWCC Web Number of Visitors (Jun - Sep) Geographic Information Systems (GIS) Organization: Predictive Services Fire Analysis Intelligence Meteorology Organization: Operations FIRE SEASON OVERVIEW Weather of Fire Season 2017 Temperatures Precipitation	4 6 7 7 7 8 9 9 10 11 11
"Flash Drought" Development	14
Trends in Fire Danger	
2017 Lightning Statistics	
FIRE MAPS & STATISTICS	16
NW 2017 Large Fires Table 1: Large Fires managed by Type 1 and 2 Incident Management Teams Table 2: Large Fires managed by Type 3, 4 and 5 Incident Management Organizations Table 3: Total Large Fire Acres and Costs	16 17
NW 2017 Non-Wildfire Incidents	18
NW 2017 Fires Utilizing other than Full Suppression or Multiple Suppression Strategies Table 4: Oregon Fires using other than Full Suppression or Multiple Suppression Strategies Table 5: Washington Fires using other than Full Suppression or Multiple Suppression Strategies	19
NW 2017 Large Fire Location Maps Map 1: Washington Large Fires Map 2: Oregon Large Fires	20
Fire Occurrence Statistics (Sit Report) Charts: Current & Historical Fires & Acres (Oregon & Washington) Chart 3: NW 2017 Reported Fires vs. 10-Year Average Chart 4: NW 2017 Reported Acres Burned vs. 10-Year Average	22 22

Chart 5: Oregon 2017 Reported Fires vs. 10-Year Average	
Chart 6: Oregon 2017 Reported Acres Burned vs. 10-year Average	
Chart 7: Washington 2017 Reported Fires vs. 10-Year Average	
Chart 8: Washington 2017 Reported Acres Burned vs. 10-Year Average	
Charts: 2017 Fires & Acres (by Protecting Agency) Chart 9: NW 2017 Reported Fires & Cause (by Protecting Agency)	
Chart 9. NW 2017 Reported Acres Burned & Cause (by Protecting Agency)	
Chart 10: NW 2017 Reported Acres Burned & Cause (by Protecting Agency) Chart 11: NW 2017 Reported Fires (by Protecting Agency) as a Percentage of Total	
Chart 12: NW 2017 Reported Acres Burned (by Protecting Agency) as a Percentage of Total	
chart 12. NW 2017 Reported Acres burned (by Protecting Agency) as a Percentage of Total	24
2017 NW Fires & Acres Tables (by Protecting Agency)	
Table 6: 2017 NW Fires & Acres by State & Agency (by Protecting Agency)	
Table 7: 2017 NW Individual Units Fires & Acres (by Protecting Agency)	26
RESOURCE INFORMATION & STATISTICS	29
NW Incident Management Teams Assignment History	29
Table 8: All IMTs Total Days Assigned (NIMO, Type 1 & Type 2)	
Table 9: Portland NIMO	
Table 10: NW Type 1	
Table 11: ODF	
Table 12: NW Type 2	
NW Interagency Hotshot Crews	
Chart 13: Days Assigned to Incidents 2017	
Table 13: Days Assigned & Percentage of Total by Geographic Area 2017	
Chart 14: Percentage of Total Days Assigned by Geographic Area 2017	31
NW Smokejumpers	32
North Cascades Smokejumpers	
2017 Fire Season Summary	32
Chart 15: NCSB Smokejumper's 10 Year Fire Jump Numbers	32
Redmond Smokejumpers	33
2017 Fire Season Summary	33
Chart 16: Redmond Smokejumper's 10 Year Fire Jump Numbers	33
NW Rappel Aircraft	34
Table 14: 2017 Activity Totals – Region 6	
Chart 17: 2017 Flight Hours on Fire	
Chart 18: 2017 Initial Attack Count	
Redmond Air Tanker Base	
2017 Year End Totals	35
APPENDIX	36
NW Dispatch Centers	36
Table 15: Washington	
Table 16: Oregon	
NW Federal & State Agency Identifiers	
NW Local Unit Identifiers	
Table 17: Federal	
Table 18: State	38

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, <u>NW Federal & State Agency Identifiers</u>). 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: <u>gacc.nifc.gov/nwcc/</u> under the <u>Intelligence</u> link. Previous year annual reports can be found under the <u>NWCC Publications</u> 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 Available electronically at <u>gacc.nifc.gov/nwcc/</u> Initial publication date: February 26, 2018

Cover photos: BLM Public Domain and by permission

NWCC ACCOMPLISHMENTS

A Review of 2017

Overview

fter the relative quiet of the previous year, the 2017 Fire Season proved challenging, quite similar in stature to the 2014 and 2015 Fire Seasons. Numerous long-term incidents created a heavy demand for all types of firefighting resources, including incident management teams (IMTs):

 Northwest Type 1 and Type 2 IMTs mobilized to more than forty NW incidents, to another three wildfires outside the NW, plus one additional mobilization for hurricane support in Puerto Rico; "...the NW Multi-Agency Coordinating Group actively engaged MAC operations for 52 days—over 30% of the Fire Season..."

- NW Type 1 and 2 IMTs collectively spent 523 days on incidents;
- 19 Type 1 and 2 IMTs from other Geographic Areas served an additional 280 days on NW incidents;
- Type 3 IMTs from the NW and other Geographic Areas spent a total of 393 days on 51 NW incidents.

In all, IMTs of all types collectively accumulated over three years of experience in a single fire season extending roughly from May 26th through October 18th. In that same time period, the NW Multi-Agency Coordinating Group actively engaged MAC operations for 52 days—over 30% of the Fire Season—with 40 of those days spent at Preparedness Level 5.

NWCC remained well-engaged throughout the Fire Season, which for much of the staff continued through October and on into November and December as resources were mobilized for hurricane support in the American Southeast and to wildfires in Southern California.

Fire Season 2017 was another year of change for NWCC as vacancies created staffing gaps and new employees learned their trade:

- Elmer Orosco, BIA Operations Coordinator, filled the vice-Dolly Davis position on the Operations Floor;
- Brandon Poe hired into the Logistics Coordinator on the Crew Desk, taking on duties accomplished in the past by a long-term detailer;
- Monica Ramirez is NWCC's new Intelligence Coordinator, filling the vacancy created by Isaiah Hirschfield's departure;
- Eric Wise came to NWCC from the Department of Defense, filling the vice-Terry Marsha meteorologist position in Predictive Services;
- Mike Powell, NWCC Fire Management Analyst, retired in November. His position and the still vacant BLM Operations Coordinator position are scheduled for advertisement in 2018.

• Ted Pierce, NWCC Deputy Center Manager, accepted a 120-day detail as the Assistant Center Manager at the National Interagency Coordination Center at NIFC in Boise, ID.

Fire Season 2018 will likely be another building year for NWCC. As in 2017, with patience, education and good leadership, we will continue our program of excellence.

Organization: Administration

NWCC Center Manager

Learning and connections initiated in 2016 continued productively on into 2017:

- Dan O'Brien served as a mentor and coach for L-480 Organizational Leadership course provided for dispatch center staff at the Redmond Training Center.
- Dan continued to facilitate the FALT Strategic Steering Group, as well as providing the same services for the Spring and Fall FALT Meetings.
- Dan also continued to facilitate for the Coordinating Group Advisory Council (CGAC), helping that group organize tasks and formulate issue responses to the National Multi-Agency Coordinating Group (NMAC).
- In addition to facilitating the group, as a Task Group Leader, Dan completed the CGAC Task creating a national standard for mobilizing Type 3 IMTs across Geographic Area boundaries, reporting out to NMAC in January.
- Dan provided leadership for a second CGAC Task assessing the composition and utilization of National Buying Teams over the last five years. The final report is scheduled for delivery to NMAC as the annual NMAC-GMAC Meeting in January 2018.
- For a task chartered by the Fire Management Board (FMB), Dan served as a member of a group assessing issues and functionality of the National Predictive Services Program. Task Group recommendations were delivered to FMB in June.
- Subsequently, Dan accepted the role as Task Leader for Phase 2 of the FMB National Predictive Services Program Review. The Phase 2 Task Group will provide FMB with recommendations on oversight, organization and staffing of National Predictive Services in the future.
- Dan continues to serve as the chair for the ROSS Reports Management Board, providing oversight to training, administration and organization of the ROSS Reporting System.
- Coordinating with the Pacific Northwest Wildfire Coordinating Group, the NW Geoboard, the Alaska Wildfire Coordinating Group, the NW and Alaska Operations Committees, and Type 1 Incident Commanders from the NW and Alaska, Dan helped to re-establish a single rotation for the NW and Alaska Type 1 IMTs.
- Coordinating with Oregon Department of Forestry, Best Value Mobilization processes were developed for the Interagency Fire Crew Agreement that were published in the NW Interagency Mobilization Guide.

Public Information and Communication

A total of 420 media requests, including 32 in person media interviews and over 200 public information calls, were completed through the 2017 Fire Season by the NWCC Public Information 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, resource availability, 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. Local and regional media, agency leadership and partners attended the press conference.
- NWCC hosted a press conference with US Senator from Oregon Ron Wyden that also included US Forest Service Chief Tony Tooke and US Forest Service Director of Fire & Aviation Shawna Legarza at the height of fire season.
- The NWCC Fire Blog remains the centerpiece of our social media strategy. The blog exceeded 145,000 page views during the 2017 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 1000 new followers.
- Analysis shows use of the main NWCC website increased by over 2 million page views and nearly tripled new visitors since 2016 (see charts below).

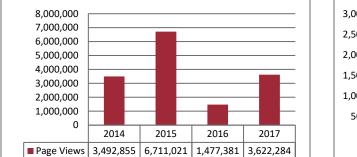
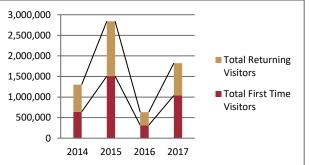


Chart 1: NWCC Web Total Page Views (Jun - Sep)

"Analysis shows use of the main NWCC website increased by over 2 million page views and nearly tripled new visitors since 2016."

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



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 2017 accomplishments include:

 New this past season - Responsible for all DRTI (Directional Real-Time Infrared) flight coordination and subsequent interpretation and analysis for the NW. Two IRIN (Infrared Interpreters) detailers worked closely with the flight crews, incident personnel, and NICC to ensure the capture of accurate and timely information

- Responded to critical data and analysis requests from IMTs, non-federal agencies, and regional fire leadership.
- Provided NW interagency GIS data disks to multiple out-of-region IMTs assigned to NW incidents
- Posted NW Aviation Hazards maps to the 'Interagency Fire Operations Maps' FRAMES website
- Developed and published new "Fuels Status" Map Journal web map
- Continued update and improvement of the NWCC COP (Common Operating Picture) for Google Earth
- Hosted 6 GIS detailers, 1 new to NWCC; 2 IRINS, both new to NWCC
- Continued leadership role in PNWCG GIS/Technology Committee
- Compiled and maintained daily perimeters for approximately 170 individual fires/6 complexes totaling more than 1,158,000 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 2017:

- Conducted local unit site visits, participated in IMT and dispatch workshops
- Provided daily fire situation and fire potential briefings, analysis and reports
- Provided subject matter expertise in response to over 22 information requests
- Integrated with NW MAC Support to assist with incident prioritization, developing strategic intent, and transferring intelligence
- Continued updating the NWCC "Situation Page" to provide key briefing and situational awareness to internal customers via the web

Fire Analysis

- Hosted 7 detailers to assist with Fire Analyst duties
- Continued to improve the 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
- Was the Regional coordinator for NFDRS 2016 rollout and training
- Assisted with instructing Local Fire Management Leadership
- 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 Fuels and Fire Behavior Advisories
- Assisted the NPS with Pocket Card reviews, guidance on NFDRS, Fuels Committee member and RX-341 cadre member
- Provided guidance to North Ops GACC on Fire Analyst mission and duties

Intelligence

- Hosted 6 detailers in the Intelligence Section
 - 2 were from out of the GACC
 - 2 were new to the intel support role
 - 2 filled multiple assignments throughout the summer
- Continued to refine the intelligence products, including the *Morning Briefing* and the *SIT Report* in order to meet the need of managers, firefighters and public
- 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-todate reporting of area fire statistics
 - Complexes and Merged Wildfires: Coordination with IMT Type 1 & 2 Situation Unit Leaders for daily reporting standards
- Processed over 20 fire statistical requests from multiple agencies and stakeholders

Meteorology

The busy 2017 fire season posed a challenge for the meteorology section of NWCC Predictive Services. The high fire workload demanded frequent consultation and extensive briefings for MAC, visiting dignitaries, media, and the NWCC staff from the meteorologists. With one meteorologist position vacant, staffing was a persistent problem. Detailers and overtime filled most gaps in coverage. The vacant meteorologist position was filled in late 2017.

Specific and General Accomplishments

- Hosted 5 detailers in the meteorology section
- Improved data processing of Significant Fire Potential and Fire Activity Forecasts
- Taught M-581 class and S-290 classes in central Oregon.
- Contributed to pre-season coordination meetings and familiarization with supporting NWS offices in the region and with Incident Management Teams
- Coordinated daily with supporting NWS offices and IMETs (and NICC)
- Published daily and monthly Significant Fire Potential Outlooks and Fire Activity Forecasts.
- Issued Fuels and Fire Behavior Advisories as needed due to high fire danger and fire activity

"Provided guidance, support and troubleshooting for ICS-209"

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 45,000 resource orders were processed through NWCC; mobilizing overhead, crews, equipment, and aircraft on fires in the Northwest and Nationally. NWCC Operations recruited the assistance of 37 individuals to assist with ongoing incidents and carry out Incident and NW MAC support efforts. The Operations staff continues to maintain constant and unwavering support to all dispatch centers and incidents within the Northwest.

2017 accomplishments for NWCC Operations are provided below:

- 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 Committee. This individual also serves as a member of the NW Center Managers Advisory Council, Operations Committee,

"At the peak of the effort, more than 45,000 resource orders were processed through NWCC."

and subject matter expertise for Incident Commanders, Smokejumpers, Hotshots, Rapellers, and Engine Captain's groups

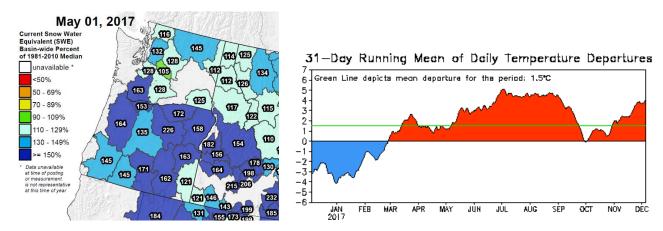
- Dispatched SORO personnel to incident assignments
- Prepared and directed publication of the NW Interagency Mobilization Guide
- Maintained roster and coordinated multiple mobilizations of Portland NIMO
- Maintained rosters and coordinated multiple mobilizations of the Northwest's Type 1 IMTs
- Provided support to Critical Incident Stress Management (CISM) mobilization and operations
- Assisted in the mobilization of Agency Administrators in order to support areas with high fire activity
- 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
- Welcomed three new employees to the Operations floor:
 - Travis Hartsburg, who began work in the USFS Asst. Emergency Operations Manager position just prior to the New Year
 - Elmer Orosco Sr. who began working in the BIA Asst. Emergency Operations Manager position in June
 - Brandon Poe who began work as Logistics Coordinator in August

FIRE SEASON OVERVIEW

Winter and spring of 2016-2017 brought cold temperatures and continuous heavy accumulation of precipitation to the Pacific Northwest and the Northern Rockies. As late as May, precipitation totals revealed that Oregon and Washington had received well above average rain or snow for the prior six months. Some climate zones were well above average accumulation and by April regional reservoir storage was reported as reaching full capacity.

As of May 1st 2017, SNOTEL sites were reporting greater than typical accumulation of snow. Timberline Lodge in Oregon had tabulated more than 520 inches total snowfall. *See graphic below*.

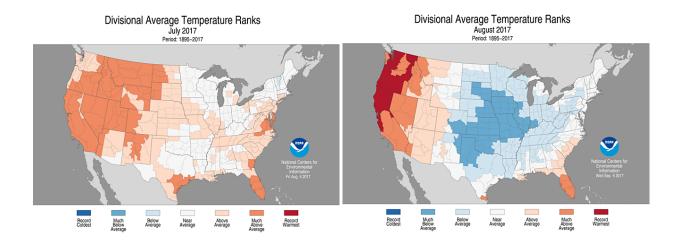
The cold, wet winter was attributed to La Niña conditions which typically bring such conditions to the Pacific Northwest. However, temperatures across the northwest geographic area began warming above average in spring of 2017 even as precipitation continued across much of the area. Precipitation declined significantly after mid-June but temperatures continued to climb above average across the geographic area. See the 2017 temperatures anomaly graphic for Yakima, WA depicted below.



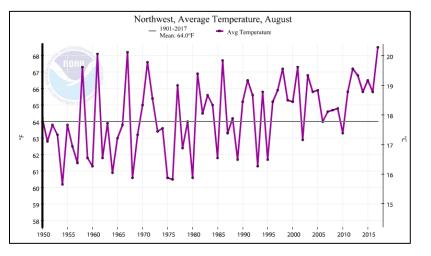
Weather of Fire Season 2017

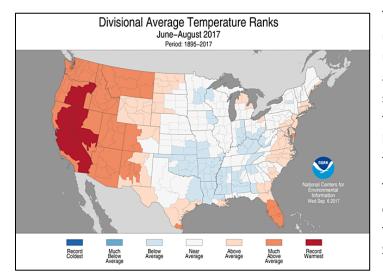
Temperatures

Temperatures continued to warm through July and peaked in August. July temperatures were well above average for much of the western US while August of 2017 proved to be the warmest August on record for a number of climate zones in Oregon, Washington, and northern California (see monthly temperature ranking graphics on next page). Multiple records were set for consistent warm temperatures.



A look at a time series of August temperatures for Oregon, Washington, and Idaho stretching back to 1950 reveals that August of 2017 was the warmest ever recorded. August temperatures for this region appear to be on an upward trend since about 1995. Only 4 Augusts since 1995 have been at or below average temperature.



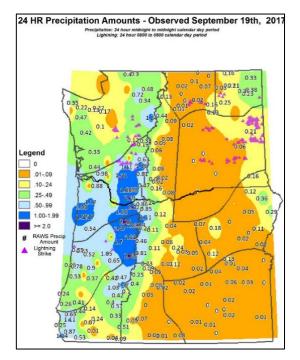


Temperatures fell back to normal or below in mid-September when a wet cold front brought a major weather change to the region. Cold, moist air lingered over the region bringing rainfall substantial enough to put a stop to new large fire outbreaks and halt the growth of existing large fires. Fire season was effectively ended by this event.

The three month period (June, July, and August of 2017) proved to be the warmest on record for the significant portion of the western United States.

Precipitation

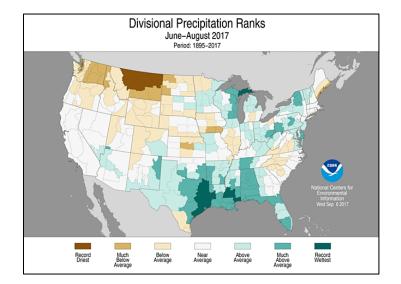
Precipitation continued to accumulate over the Northwest Geographic Area in the spring of 2017, even as temperatures began rebounding back above normal. However, periodic frontal systems stopped arriving in mid-June and a lengthy dry spell followed. Cities such as Portland and Seattle went over 50 days before rain returned in early August. Another dry spell lasting more than a month followed on its heels.



In mid-September a strong frontal system brought several days of sustained rainfall to the region. Rainfall totals were over 5 inches in selected west side locations between September 15th and 20th. (See 24hr total rainfall accumulation in the graphic to the left).

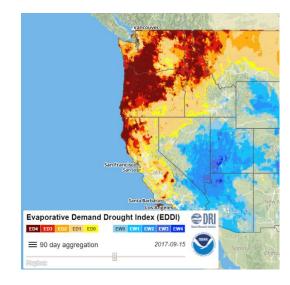
The accumulation of rain through September 20th was sufficient to halt ignitions of new large fires and significantly reduce growth of ongoing large fires. The wet spell effectively ended fire season for 2017.

Overall, the three-month period June through August of 2017 was drier than typical for most of the Northwest Geographic Area but was not the driest on record.



"Flash Drought" Development

The upward change in temperature followed by the lack of precipitation after June created a "flash drought" condition. Flash droughts develop very quickly with little or no warning that a drought is developing. The wet winter and spring combined with warm temperatures resulted in significant plant growth but as the precipitation dwindled and temperatures began to climb, the atmospheric demand for water resulted in very high evapotranspiration. Drought stress set in for live fuels such as trees and shrubs as well as dead material. Over the three month period between when the rains shut off in mid-June and when they restarted in mid-September, the equivalent of extreme drought developed over the forests of the Northwest. See evaporative demand drought index graphic.



Trends in Fire Danger

In contrast to fire season 2016, Energy Release Component showed less variation during 2017. After precipitation ceased and temperature rose in mid-June fire danger began a steady upward climb. Regional ERC values were already at a standard deviation or more above normal by early July and continued to climb. All-time record (since 1990) values of regional ERC were achieved around August 1st and again in late August due to the continuing hot, dry weather. Only a brief decline was evident during a short spell of light rain in early August.

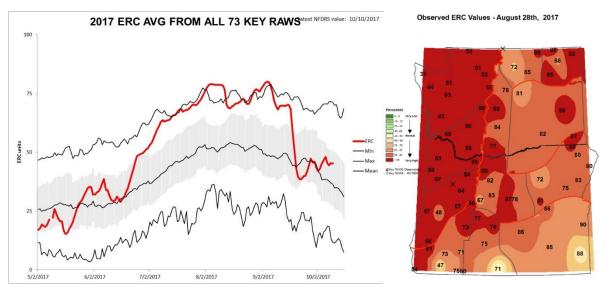


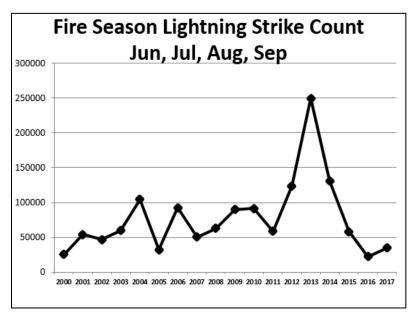


Fig 2: Peak ERC values late Aug

2017 Lightning Statistics

From June 1 through Sep 30th **<u>34,883</u>** strikes were recorded over Oregon and Washington in 2017. This is the fourth lowest total for a fire season since the year 2000. The average for fire seasons 2000-2017 was 77,155 strikes). Despite the below-average number of lightning strikes, fire activity was high due to the bulk of fire starts from strikes occurring at periods of hot, dry weather, in July and August. The strikes were distributed more evenly during fire season 2017 than in the 2016 season.

Noteworthy fire starting events occurred at peaks of fire danger in July and the second week of August.



FIRE MAPS & STATISTICS

NW 2017 Large Fires

Source: Final ICS-209 submitted. Listed 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 estimates are derived from the final ICS-209 and do not represent final, reconciled figures. **Acres reported on the Nena Springs incident are as shown as on the final ICS-209, although due to a final SIT Reporting glitch from home unit, it caused the total acreage sources (pg33) to differ. SIT Report is used as official Year-to-date reporting source.

* 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	
Spartan	WA-SES	6/26	7/9	L	G	2	10	8,730	810,000	5 mi SE of Wenatchee, WA	
Straight Hollow	WA-SPD	6/26	7/2	L	G	2	10	8,458	500,000	15 mi E of Wenatchee, WA	
Sutherland Canyon	WA-SPD	6/26	7/3	L	G	2	10	29,258	2,990,000	8 mi SE of Wenatchee, WA	
Ana	OR-LAD	7/7	7/14	Н	В	2	12	5,874	2,900,000	22 mi NW of Paisley, OR	
Dry Creek	WA-SES	7/8	7/21	U	Т	2	5	337	4,500,000	6 mi N of Husum, WA	
Chetco Bar	OR-RSF	7/12	11/2	L	Т	1	4	191,125	72,000,000	17 mi W of Selma, OR	
Noisy Creek	WA-COF	7/15	10/13	L	Т	2	9	4,000	6,000,000	33 mi NE of Colville, WA	
Diamond Creek	WA-OWF	7/23	10/5	U	Т	1	8	128,272	14,839,231	28 mi NW of Winthrop, WA	
Whitewater	OR-EUD	7/23	11/21	L	Т	1	6	14,451	39,702,783	15 mi E of Detroit, OR	
Upper Mine	OR-BUD	7/24	8/1	L	В	2	12	4,135	1,243,354	8 mi S of Fields, OR	
Spruce Lake	OR-CLP	7/29	10/30	L	т	1	4	14,515	7,138,000	9 mi NE of Prospect, OR	
Suiattle	WA-NWS	7/30	10/30	U	T	2	1	216	2,340,000	9 mi NE of Darrington, WA	
Devils Lake	OR-FWF	7/31	8/10	L	G	2	7	1,702	3,800,000	7 mi SE of Bly, OR	
Cinder Butte	OR-BUD	8/2	8/10	U	G	2	12	52,531	4,474,046	10 mi W of Riley, OR	
Bear Butte	OR-WWF	8/4	8/23	U	Т	2	11	499	6,070,000	20 mi NW of Baker City, OR	
Rebel	OR-WIF	8/4	9/28	U	T	1	4	8,709	8,031,229	13 mi S of McKenzie Bridge, OR	
Flounce	OR-911S	8/7	9/20	L	T	2	4	587	3,600,000	12 mi NE Shady Cove	
Nena Springs **	OR-WSA	8/8	8/18	н	G	2	6	68,007	8,900,000	9 mi N of Warm Springs	
Falcon Complex	OR-UPF	8/8	9/14	L	T	2	4	2,935	15,972,721	25 mi E of Tiller, OR	
Bridge Creek	WA-COA	8/9	9/15	L	T	2	9	3,711	16,786,510	11 mi NE of Keller, WA	
North Pelican	OR-FWF	8/10	10/15	L	T	2	7	3,583	4,489,000	28 mi NW of Klamath Falls, OR	
Shan Creek	OR-RSF	8/10	8/26	L	T	2	4	156	1,700,000	10 mi S of Grants Pass, OR	
Staley	OR-WIF	8/10	10/31	L	T	2	4	2,300	8,600,000	23 mi S of Oakridge, OR	
Jones	OR-WIF	8/10	11/29	L	T	2	3	10,114	25,441,678	10 mi NE of Lowell, OR	
American	WA-OWF	8/10	11/25	L	T	1	5	3,853	1,107,774	11 mi W of Cliffdell, WA	
Umpqua North Complex	OR-UPF	8/11	10/30	U	Т	1	4	43,158	42,890,561	50 mi E of Roseburg, OR	
Jolly Mountain	WA-OWF	8/11	10/20	L	Т	1	5	36,808	30,446,600	13 mi NW of Cle Elum, WA	
Milli 0843 CS	OR-DEF	8/11	9/24	U	Т	1	6	24,025	16,780,000	9 mi W of Sisters, OR	
Belknap	OR-OCF	8/11	8/22	L	Т	1	6	125	368,488	20 mi NE of Prineville, OR	
Norse Peak	WA-OWF	8/11	11/1	U	Т	1	5	52,056	19,900,000	11 mi W of Cliffdell, WA	
High Cascades Complex	OR-RSF	8/13	11/30	U	Т	1	4	27,476	65,000,000	13 mi NE of Prospect, OR	
Miller Complex	OR-RSF	8/14	11/9	U	Т	1	4	39,715	39,200,000	17 mi E of Cave Junction, OR	
Horse Creek Complex	OR-WIF	8/21	10/19	U	Т	1	4	33,780	9,797,100	7 mi S of Belknap Springs, OR	
Horse Prairie	OR-733S	8/26	9/22	U	Т	1	3	16,436	16,300,000	15 mi NW of Canyonville, OR	
Potato Hill	OR-WIF	8/29	9/18	U	Т	1	3	199	494,422	20 mi NW of Sisters, OR	
Jade Creek	OR-982S	8/29	9/7	L	Т	2	7	782	2,500,000	13 mi E of Bly, OR	
Uno Peak	WA-OWF	8/30	10/24	U	Т	2	5	9,500	7,000,000	24 mi NW of Chelan, WA	
Eagle Creek	OR-CGF	9/2	11/30	U	Т	1	2	48,831	19,935,315	1 mi S of Cascade Locks, OR	
Sawmill Creek	WA-SPS	9/4	11/6	U	Т	1	1	1,061	4,500,000	22 mi W of Cle Elum, WA	
Kelsey Creek	OR-EIC	9/9	10/31	L	Т	2	4	441	2,540,191	10 mi W of Oakridge, OR	
Indigo	OR-RSF	9/11	9/29	L	т	1	4	615	416,000	8 mi E of Agness, OR	

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

Incident	Owner*	Start Date	Contain Date	Cause+	Fuel++	+++TMI	PSA	Acres	Cost	Location
Cougar Butte	OR-DEF	5/26	5/29	U	Т	3	7	170	180,000	14 mi W of Bend, OR
Wildcat 0284 PR	OR-OCF	6/13	6/13	U	Т	4	6	130	15,000	18 mi W of Mitchell, OR
loe Barker Rd Fire	WA-WFS	6/19	7/21	U	G	4	10	518	1,000	35 mi N of Walla Walla, WA
Rhoades Canyon 0301 RN	OR-PRD	6/20	6/24	Н	В	3	6	15,200	500,000	3 mi E of Clarno, OR
Oak Springs 0326 RN	OR-PRD	6/24	6/29	Н	G	3	6	375	150,000	1 mi N of Maupin, OR
Sheep Springs	OR-DEF	6/26	8/23	L	Т	3	6	696	780,000	17 mi NW of Sisters, OR
Horse Cross	OR-VAD	6/26	6/27	L	G	3	12	6,650	200,000	15 mi W of Rome, OR
South Wenas	WA-WFS	6/27	6/30	U	G	3	5	2,846	504,420	3 mi S of Selah, WA
Hwy 12 Milepost 188	WA-WFS	7/1	7/5	Н	G	3	5	386	314,000	Naches, WA
Silver Dollar	WA-SPD	7/2	7/10	U	В	3	10	30,984	1,300,000	30 mi E of Yakima, WA
Rattlesnake Hills	WA-WFS	7/5	7/10	U	G	3	5	2,916	351,072	2 mi SE of Yakima, WA
Mitchell	WA-SES	7/5	7/9	U	В	3	5	700	750,000	10 mi N of Wenatchee, WA
Willow	OR-LAD	7/6	8/11	U	G	3	7	346	150,000	36 mi SE of Klamath Falls, OR
Coyote Creek	WA-WFS	7/7	7/10	U	G	3	5	400	154,465	City Limits of Terrace Estates
Powerline	OR-BUD	7/8	7/10	L	G	4	12	688	150,000	25 mi N of Fields, OR
Diamond Butte	OR-VAD	7/8	7/9	L	В	4	12	1,369	300,000	W of Rockville, OR
Lone Pine	OR-OCF	7/9	7/12	Н	В	4	6	897	325,000	10 mi NW of Prineville, OR
Goose Lake	WA-WFS	7/9	7/14	U	G	4	10	706	50,000	17 mi S of Moses Lake, WA
Buck	OR-WWF	7/10	7/17	L	G	4	11	1,015	1,000,000	16 mi E of Imnaha, OR
McCarty	OR-LAD	7/11	7/15	U	G	4	12	848	600,000	4 mi SE of Alkali Lake, OR
Hart	OR-SHR	7/11	7/12	U	G	4	12	466	500,000	46 mi NE of Lakeview, OR
Coyote	OR-BUD	7/12	7/14	U	G	3	12	1,314	550,000	30 mi SW of Riley, OR
Wenas	WA-SES	7/14	7/16	U	G	4	5	604	30,000	5 mi N of Naches, WA
Snake River	WA-WFS	7/15	7/18	L	В	3	10	3,100	1,017,000	8 mi NW of Clarkston, WA
Canyon Creek	WA-NES	7/15	7/18	Н	Т	3	8	1,200	1,300,000	2 mi N of Carlton WA
Redford Canyon	WA-COA	7/15	7/26	L	В	3	9	722	2,901,000	8 mi SE of Keller, WA
L Road	WA-MCR	7/18	7/23	U	G	3	10	526	300,000	7 mi SE of Mattawa, WA
400	WA-SES	7/20	7/25	U	G	3	10	24,650	1,250,000	4 mi W of Mattawa, WA
Horn Butte 0594	OR-PRD	7/21	7/23	Н	G	3	10	9,300	60,000	4 mi SE of Arlingtion, OR
Bissell	WA-NES	7/23	7/25	U	Т	3	9	377	637,500	8 mi N of Hunters, WA
Sheep	WA-SES	7/23	7/27	U	В	3	5	1,771	203,000	3 mi N of Selah, WA
Crane	OR-982S	7/24	7/29	L	Т	3	7	602	988,092	4 mi SE of Lakeview, OR
Bowden	OR-BUD	7/24	7/25	L	G	3	12	16,773	300,000	22 mi S of Rome, OR
Wildcat	OR-LAD	7/24	7/28	L	G	4	11	657	250,000	1 mi S of Green Mountain Lookout, OR
Duck	OR-VAD	7/24	7/25	U	Т	3	12	420	250,000	31 mi NW of Rome, OR
Emerson	OR-OCF	7/25	7/31	Н	G	3	6	10,527	850,000	4 mi NE of Madras, OR
Hawk	OR-VAD	7/27	7/28	L	В	3	12	1,412	200,000	10 mi NW of Jordan Valley, OR
Paterson Slough	WA-MCR	7/27	7/27	U	G	3	10	886	100,000	3 mi N of Irrigon, OR
Oxbow	OR-VAD	7/28	7/31	L	В	3	12	1,453	500,000	12 mi SW of Adrian, OR
Haystack Rock	OR-VAD	7/28	7/30	U	В	3	12	511	100,000	11 mi W of Adrian, OR.
Dry Creek Buttes	OR-VAD	7/28	7/30	U	В	3	12	3,000	1,031,561	23 mi SW of Adrian, OR.
Glade 3	WA-WFS	7/30	8/1	U	В	3	10	10,669	300,000	3 mi S of Mabton, WA
Knotgrass	WA-WFS	8/2	8/4	U	G	3	11	500	68,700	6 mi NW of Prescott, WA
Morgan Creek	OR-VAD	8/3	8/5	U	В	3	12	2,206	200,000	35 mi SE of Baker City, OR
Hayes Road	WA-WFS	8/4	8/8	U	G	4	10	2,306	540,000	10 mi NE of Mansfield, WA
Indian Lake	OR-WWF	8/4	9/2	U	Т	3	11	222	600,000	9 mi S of Meacham, OR
Whetstone Rd	WA-WFS	8/5	8/5	Н	G	4	10	1,350	500	6 mi NW of Waitsburg, WA
Tupper Corral	OR-UMF	8/8	8/10	U	Т	4	10	176	176,000	20 mi SE of Heppner, OR
Whychus 0814 CS	OR-OCF	8/10	8/21	L	Т	3	6	2,012	775,000	10 mi NE of Sisters, OR
Jack Creek	WA-OWF	8/11	10/21	L	Т	4	5	4,441	225,000	18 mi SW of Leavenworth, WA
Quarry	WA-MSF	8/11	10/23	Н	Т	3	1	243	1,089,194	30 mi NW of North Bend, WA
Ferry Canyon	OR-PRD	8/12	8/13	L	G	4	6	500	225,000	7 mi NNW of Grass Valley, OR
East Saddle	WA-MCR	8/12	8/19	U	В	3	10	17,470	425,000	10 mi W of Othello, WA
North Pole	OR-PRD	8/13	8/16	L	G	3	6	5,075	50,000	8 mi E of Shaniko, OR
Monument Hill	WA-WFS	8/16	10/11	U	G	3	10	6,255	598,300	4 mi NE of Quincy, WA

FIRE MAPS & STATISTICS | NW 2017 Non-Wildfire Incidents

					1					
Blevins	OR-VAD	8/19	8/19	U	G	4	12	1,314	50,000	15 mi SE of Rome
Reach	WA-MCR	8/21	8/22	U	G	4	10	665	100,000	25 mi W of Connell, WA
Scatter Creek	WA-SPS	8/22	8/23	U	G	3	1	384	1,300,000	¾ mi E of Rochester, WA
Danner	OR-VAD	8/23	8/24	L	В	4	12	534	100,000	8 mi NE of Arock
Little	OR-VAD	8/28	8/29	U	В	4	12	1,614	100,000	20 mi NE of McDermitt, NV
МсКау	OR-DEF	8/29	9/7	U	Т	3	7	1,221	400,000	5 mi NE of La Pine, OR
Naylox	OR-981S	8/29	9/1	U	В	3	7	423	220,000	11 mi N of Klamath Falls, OR
Overlook	OR-WIF	8/30	8/31	L	В	4	12	1,020	50,000	20 mi SW of Jordan Valley, OR
East Crater	WA-GPF	9/3	10/12	Н	Т	3	2	483	550,000	10 mi NW of Trout Lake, WA
Rim	OR-MHF	9/3	9/16	U	Т	3	6	237	875,000	6 mi E of Clear Lake, OR
Archer Mountain	WA-PCS	9/5	9/12	U	Т	3	2	253	646,000	3 mi W of Skamania, WA
Hampton	OR-PRD	9/8	9/18	U	G	3	6	840	112,000	48 mi SE of Prineville, OR
Desolation	OR-OCF	9/9	10/30	U	В	3	6	4,635	1,500,000	20 mi NE of Prineville, OR
Sheep Complex	OR-WWF	9/10	12/6	L	Т	3	11	2,766	700,000	12 mi W of Riggins, ID
Rigdon Point	OR-WIF	9/11	10/31	L	Т	4	4	206	500,000	20 mi SW of Oakridge, OR
Crab Creek	WA-NES	9/15	9/18	U	G	3	10	591	100,000	4 mi E of Odessa, WA
Poison Spring	WA-SES	9/17	9/17	U	G	4	10	450	150,000	12 mi E of Ellensburg, WA
Chumyon	WA-OWF	9/29	11/3	Н	Т	4	5	730	275,000	9 mi NE of Leavenworth, WA
Whitehall	WA-WFS	9/30	10/2	U	G	3	10	3,270	319,000	15 mi SW of Coulee City, WA
Teanaway River	WA-SES	10/6	10/10	U	Т	3	5	341	587,000	6 mi NE of Cle Elum, WA
Wolf Creek	OR-PRI	10/10	10/12	Н	G	4	6	540	20,000	45 mi E of Prineville, OR
Monitor	WA-SES	11/1	11/2	Н	G	3	5	700	60,000	4 mi N or Wenatchee, WA

Table 3: Total Large Fire Acres and Costs

Total Count:	Total Acres:	Total Cost:
118	1,127,819	\$577,084,807

NW 2017 Non-Wildfire Incidents

Incident Management Team Type 1, Pacific Northwest Team 3 – Livingston (short team) was dispatched to Puerto Rico (November 2017) in support of the Hurricane Relief efforts.

NW 2017 Fires Utilizing other than Full Suppression or Multiple Suppression Strategies

Source: As reported on the final ICS-209 submitted. Lists fires (of any size) where the <u>last-reported</u> suppression strategy was Monitor, Confine, Point Zone Protection, *or* used Multiple Suppression Strategies (which may also include Full Suppression). Fires that only used a Full Suppression strategy are <u>not</u> 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 estimates are 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, PZ=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	Cause+	IMT++	PSA	Acres	Cost	Location	Strategy/ ies+++
Wildcat 0284 PR	OR-OCF	6/13	6/13	U	4	6	130	15,000	18 mi W of Mitchell, OR	C/FS
Indian Creek	OR-MHF	7/4	9/5	U	1	2	850	6,500,000	6 mi S of Cascade Locks, OR	С
Rebel	OR-WIF	8/4	9/28	U	1	4	8,709	8,031,229	13 mi S of McKenzie Bridge, OR	C/FS
French	OR-WIF	8/10	8/23	L	1	2	2	363,000	1 mi NW of Detroit, OR	C/FS
Nash	OR-WIF	8/10	10/19	L	2	4	6,359	273,877	6 mi N of Elk Lake, OR	C/PZ
DL Rattlesnake	OR-UPF	8/11	8/31	L	3	4	426	60,000	24 mi N of Prospect, OR	С
Umpqua North Complex	OR-UPF	8/11	10/30	U	1	4	43,158	42,890,561	50 mi E of Roseburg, OR	M/C/FS
Dry Diggins	OR-WWF	8/14	9/10	L	4	11	140	50,000	12 mi W of Riggins, ID	M
Miller Complex	OR-RSF	8/14	11/9	U	1	4	39,715	39,200,000	17 mi E of Cave Junction, OR	M/FS
Horse Creek Complex	OR-WIF	8/21	10/19	U	1	4	33,780	9,797,100	7 mi S of Belknap Springs, OR	M/FS
Eagle Creek	OR-CGF	9/2	11/30	U	1	2	48,831	19,935,315	1 mi S of Cascade Locks, OR	PZ/FS
Kelsey Creek	OR-EIC	9/9	10/31	L	2	4	441	2,540,191	10 mi W of Oakridge, OR	C/FS
Sheep Complex	OR-WWF	9/10	12/6	L	3	11	2,766	700,000	12 mi W of Riggins, ID	Μ
Indigo	OR-RSF	9/11	9/29	L	1	4	615	416,000	8 mi E of Agness, OR	С
Wildcat 0284 PR	OR-OCF	6/13	6/13	U	4	6	130	15,000	18 mi W of Mitchell, OR	C/FS
Oregon Count: 14							Total Acres 185,922	Total Cost \$130,772,273		

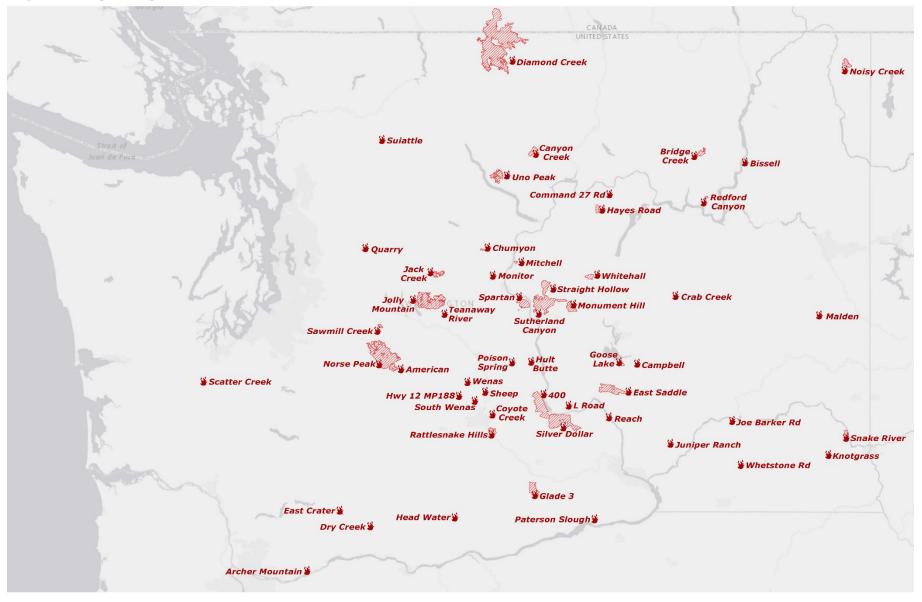
Table 5: Washington Fires using other than Full Suppression or Multiple Suppression Strategies

Incident	Owner*	Start Date	Contain/ Out Date	Cause+	IMT++	PSA	Acres	Cost	Location	Strategy/ ies+++
Diamond Creek	WA-OWF	7/23	10/5	U	1	8	128,272	14,839,231	28 mi NW of Winthrop, WA	M/C/PZ/FS
American	WA-OWF	8/10	11/1	L	1	5	3,853	1,107,774	11 mi W of Cliffdell, WA	PZ/FS
Jack Creek	WA-OWF	8/11	10/21	L	4	5	4,441	225,000	18 mi SW of Leavenworth, WA	Μ
Jolly Mountain	WA-OWF	8/11	10/20	L	1	5	36,808	30,446,600	13 mi NW of Cle Elum, WA	C/FS
Norse Peak	WA-OWF	8/11	11/1	U	1	5	52,056	19,900,000	11 mi W of Cliffdell, WA	PZ/FS
Quarry	WA-MSF	8/11	10/23	Н	3	1	243	1,089,194	30 mi NW of North Bend, WA	M/FS
Union Creek	WA-OWF	8/11	9/18	U	2	5	175	225,300	11 mi W of Cliffdale, WA	С
Uno Peak	WA-OWF	8/30	10/24	U	2	5	9,500	7,000,000	24 mi NW of Chelan, WA	M/FS
Washington							Total Acres:	Total Cost:		
Count: 8							235,348	\$74,833,099		

NW Total Count:	Total Acres:	Total Cost:
22	421,270	\$205,605,372

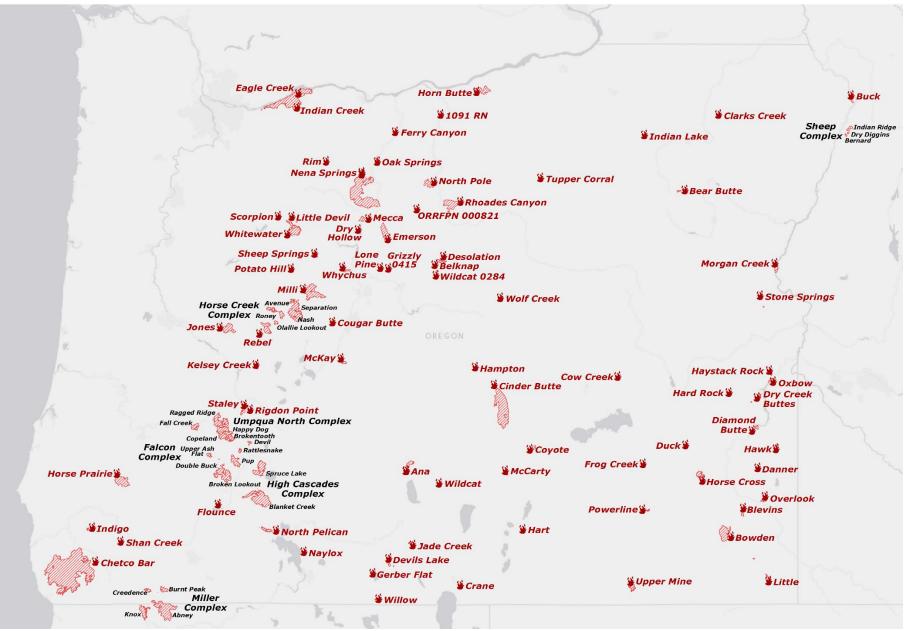
NW 2017 Large Fire Location Maps

Map 1: Washington Large Fires



-20-





Fire Occurrence Statistics (Sit Report)

NW Interagency Situation Report

Data in this section comes from the Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2017. After this date, the final SIT Report is pulled and utilized as the official year-to-date fires and acres reported by NWCC as well the national office. The graphics below display fire statistics based on the <u>protecting agency</u>, 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 Report), as reported by NW dispatch offices as of 12/31/2017.

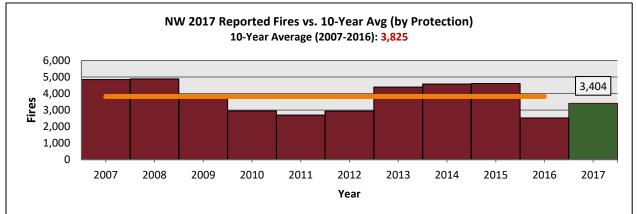
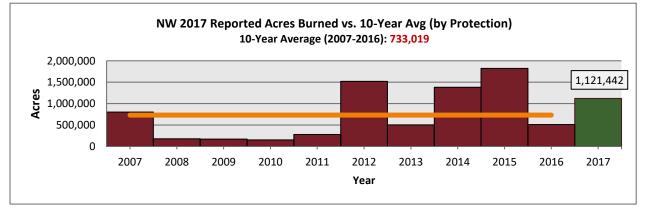
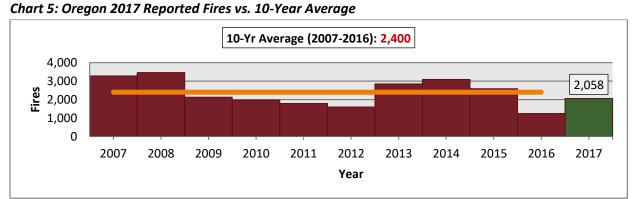


Chart 3: NW 2017 Reported Fires vs. 10-Year Average







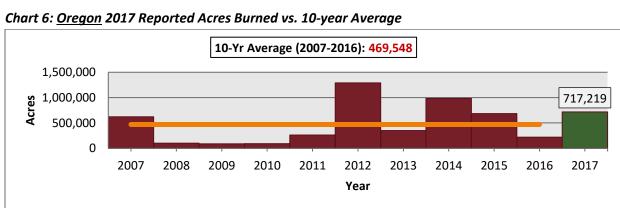


Chart 7: <u>Washington</u> 2017 Reported Fires vs. 10-Year Average

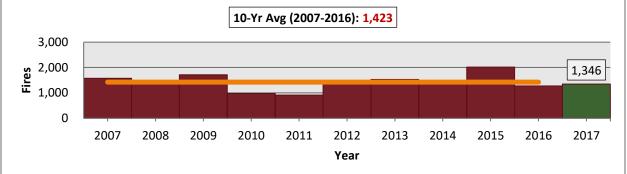
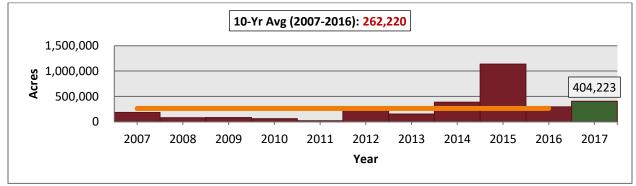


Chart 8: <u>Washington</u> 2017 Reported Acres Burned vs. 10-Year Average



Charts: 2017 Fires & Acres (by Protecting Agency)

Source: Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2017. 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: <u>NW</u> 2017 Reported Fires & Cause (by Protecting Agency)

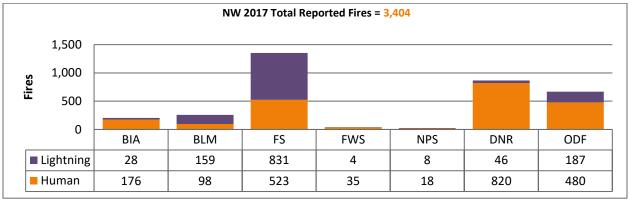


Chart 10: <u>NW</u> 2017 Reported Acres Burned & Cause (by Protecting Agency)

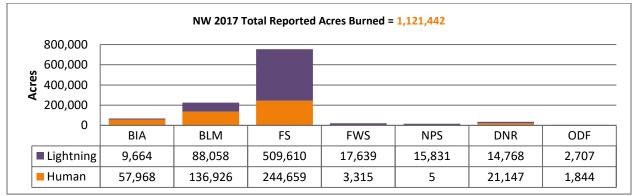


Chart 11: <u>NW</u> 2017 Reported Fires (by Protecting Agency) as a Percentage of Total

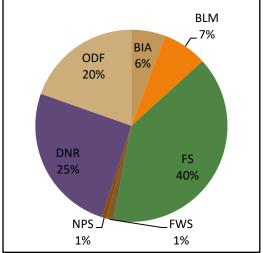
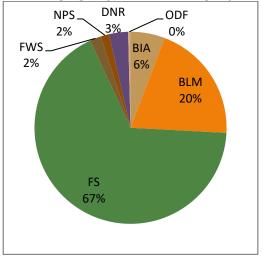


Chart 12: <u>NW</u> 2017 Reported Acres Burned (by Protecting Agency) as a Percentage of Total



2017 NW Fires & Acres Tables (by Protecting Agency)

Source: Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2017.

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: 2017 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	9	2699	9	2699
Idaho Total		0	0	9	2699	9	2699
Oregon	BIA	5	53,092	2	2422	7	55,514
	BLM	83	99,427	153	48,882	236	148,309
	FWS	3	475	3	169	6	644
	ST	480	1,844	187	2,707	667	4,551
	NPS	1	0	8	15831	9	15,831
	FS	347	73203	777	416468	1124	489671
Oregon Total		919	228,041	1130	486,479	2,049	714,520
Washington	BIA	171	4,876	17	4,543	188	9,419
	BLM	15	37,499	6	39176	21	76,675
	FWS	32	2,840	1	17470	33	20,310
	ST	820	21,147	46	14768	866	35,915
	NPS	17	5	0	0	17	5
	FS	176	171456	45	90443	221	261899
Washington [•]	Total	1,231	237,823	115	166,400	1,346	404,223
		Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
2017 NW Gr	and Total	2,150	465,864	1254	655,578	3,404	1,121,442

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
BIA	Oregon	Umatilla Agency	3	59	0	0	3	59
		Warm Springs Agency	2	53,033	2	2422	4	55,455
	Oregon Total		5	53,092	2	2422	7	55,514
	Washington	Colville Agency	40	75	14	4,529	54	4,604
		Spokane Agency	10	11	1	1	11	12
		Yakama Agency	120	4,790	2	13	122	4,803
		Kalispel Tribe	1	0	0	0	1	0
	Washington T	otal	171	4,876	17	4,543	188	9,419
BIA Total			176	57,968	19	6,965	195	64,933
BLM	Oregon	Lakeview District	15	7166	46	1,488	61	8,654
		Burns District	9	54416	26	5888	35	60304
		Coos Bay District (OR-CBD)	0	0	0	0	0	0
		Eugene District (OR-EIC)	1	3	0	0	1	3
		Prineville District (OR-COC)	29	26070	21	6591	50	32661
		Vale District (OR-VAD)	26	3,995	56	34,865	82	38,860
		Coos Bay District (OR-RICC)	2	120	4	1	6	121
		Klamath Falls Resource Area	0	0	0	0	0	0
		Medford District (OR-RVC)	0	0	0	0	0	0
		Roseburg District (OR-RICC)	1	7657	0	49	1	7706
		Salem District (OR-EIC)	0	0	0	0	0	0
	Oregon Total		83	99,427	153	48,882	236	148,309
	Washington	Spokane District (WA-CWC)	7	35,631	5	39176	12	74,807
		Spokane District (WA-NEC)	8	1,868	1	0	9	1,868
	Washington T	otal	15	37,499	6	39176	21	76,675
BLM Total			98	136,926	159	88,058	257	224,984
FWS	Oregon	Bear Valley NWR	0	0	0	0	0	0
		Malheur NWR	2	9	0	0	2	9
		Upper Klamath NWR	0	0	0	0	0	0
		Klamath Marsh NWR	0	0	0	0	0	0
		Hart Mountain National Antelope Refuge	0	0	0	0	0	0
		Sheldon-Hart Mountain NWR Complex	1	466	3	169	4	635
	Oregon Total		3	475	3	169	6	644
	Washington	Little Pend Oreille NWR	0	0	0	0	0	0
		Turnbull NWR	0	0	0	0	0	0
		Ridgefield NWR Complex	1	0	0	0	1	0
		Mid Columbia NWR Complex	31	2840	1	17470	32	20310
		Nisqually NWR Complex	0	0	0	0	0	0
		Willapa NWR Complex (WA-PCS)	0	0	0	0	0	0
		Willapa NWR Complex (WA-PSC)	0	0	0	0	0	0
		Washington Maritime NWR Complex	0	0	0	0	0	0
	Washington T	otal	32	2,840	1	17470	33	20,310
FWS Total			35	3,315	4	17639	39	20,954

Table 7: 2017 NW Individual Units Fires & Acres (by Protecting Agency)

FIRE MAPS & STATISTICS | 2017 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	7	0	0	0	7	0
		Forest Grove Unit	0	0	0	0	0	0
		Columbia City Unit	0	0	0	0	0	0
		Philomath Unit	3	3	0	0	3	3
		Dallas Unit	8	46	0	0	8	46
		Toledo Unit	4	0	0	0	4	0
		Molalla Unit	9	2	0	0	9	2
		Santiam Unit	6	4	0	0	6	4
		East Lane Unit	8	13	6	0	14	13
		Sweet Home Unit	9	1	0	0	9	1
		Western Lane District	42	59	0	0	42	59
		Prineville Unit	5	201	7	64	12	265
		John Day Unit (OR-MAF)	11	73	33	607	44	680
		Sisters Unit	24	3	4	0	28	3
		LaGrande District	7	304	6	1	13	305
		Baker Unit	4	1	4	1	8	2
		Pendleton Unit	4	338	7	49	11	387
		Wallowa Unit	5	20	12	14	17	34
		Klamath Unit	64	550	25	10	89	560
		Lake Unit	13	48	30	1355	43	1403
		Astoria District	0	0	0	0	0	0
		Medford Unit	75	34	31	600	106	634
		Grants Pass Unit	80	32	15	6	95	38
		North Unit - Douglas FPA	21	9	0	0	21	9
		South Unit - Douglas FPA	19	15	5	0	24	15
		Central Unit - Douglas FPA	8	55	0	0	8	55
		Coos Unit - Coos FPA	15	2	1	0	16	2
		Bridge Sub-Unit - Coos FPA	4	0	0	0	4	0
		John Day Unit (OR-COC)	0	0	0	0	0	0
		Walker Range Unit - Walker FPA	4	0	1	0	5	0
		Gold Beach Unit	11	28	0	0	11	28
		The Dalles Unit (OR-COC)	10	3	0	0	10	3
		The Dalles Unit (WA-CCC)	0	0	0	0	0	0
	Oregon Total		480	1,844	187	2707	667	4,551
	Washington	Northwest Region-DNR	83	166	0	0	83	166
		Olympic Region-DNR	23	6	0	0	23	6
		Pacific Cascade Region-DNR	104	301	2	2	106	303
		Southeast Region-DNR (WA-CWC)	111	16454	10	11620	121	28074
		South Puget Sound Region-DNR	125	1623	1	0	126	1623
		Northeast Region-DNR	371	2594	29	45	400	2639
		Southeast Region-DNR (OR-BMC)	3	3	3	1	6	4
		Washington State Fire Marshal's Office (OR-BMC)	0	0	1	3100	1	3,100
		Washington State Fire Marshal's Office (WA-WSP)	0	0	0	0	0	0
	Washington T	otal	820	21,147	46	14768	866	35,915
ST Total			1,300	22,991	233	17,475	1,533	40,466

FIRE MAPS & STATISTICS | 2017 NW Fires & Acres Tables (by Protecting Agency)

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
NPS	Oregon	Oregon Caves NM	0	0	1	3	1	3
		Crater Lake NP (OR-LFC)	1	0	7	15828	8	15828
	Oregon Total		1	0	8	15831	9	15,831
	Washington	Lake Roosevelt NRA	1	0	0	0	1	0
		North Cascades NP	5	4	0	0	5	4
		Olympic NP	10	1	0	0	10	1
		Whitman Mission NHS	0	0	0	0	0	0
		Mt. Rainier NP	1	0	0	0	1	0
		San Juan Island NHP	0	0	0	0	0	0
	Washington T	otal	17	5			17	5
NPS Total			18	5	8	15,831	26	15,836
FS	Idaho	Hells Canyon NRA	0	0	9	2699	9	2699
	Idaho Total				9	2699	9	2699
	Oregon	Columbia River Gorge NSA	11	48969	0	0	11	48969
		Deschutes NF	94	1450	74	24859	168	26309
		Malheur NF	8	1	67	19	75	20
		Ochoco NF	31	11977	28	6953	59	18930
		Rogue River-Siskiyou NF	19	29	127	252737	146	252,766
		Siuslaw NF	10	2	1	0	11	2
		Umpqua NF	16	2	115	64072	131	64,074
		Willamette NF	29	9616	92	60559	121	70175
		Malheur NF-Burns Fire Zone	9	2	18	6	27	8
		Mt. Hood NF	62	772	8	3	70	775
		Fremont-Winema NF	27	17	127	5517	154	5534
		Wallowa-Whitman NF (OR-BMC)	18	181	81	1615	99	1796
		Umatilla NF (OR-BMC)	11	8	33	123	44	131
		Umatilla NF (OR-MAF)	0	0	0	0	0	0
		Heppner District - Umatilla NF	2	177	6	5	8	182
	Oregon Total		347	73,203	777	416,468	1124	489,671
	Washington	Colville NF	26	49	10	4046	36	4095
		Gifford Pinchot NF	23	523	4	1	27	524
		Mt. Baker-Snoqualmie NF	59	23631	0	0	59	23631
		Olympic NF	13	1	0	0	13	1
		Umatilla NF - Washington	1	0	8	4	9	4
		Okanogan-Wenatchee NF (WA-CWC)	51	147252	22	86392	73	233644
		Okanogan-Wenatchee NF (WA-NEC)	3	0	1	0	4	0
	Washington T	otal	176	171456	45	90,443	221	261,899
FS Total			523	244,659	831	509,610	1354	754,269
			Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
		2017 NW Grand Total	2,150	465,864	1254	655,578	3,404	1,121,442

RESOURCE INFORMATION & STATISTICS

NW Incident Management Teams Assignment History

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

Table 8: All IMTs Total Days Assigned (NIMO, Type 1 & Type 2)

	Total Days Assigned: 931
Out of GACC IMTs	Days Assigned: 280
Northwest IMTs	Days Assigned: 651

Table 9: Portland NIMO

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
Portland NIMO - Hahnenberg	OR-NWC	OR-NWC	R06 REGION SUPPORT 2017	Fire - Wildfire	8/14	11
	CA-OSCC	CA-LPCC	LPF MEMORIAL SUPPORT	Incident/ Event Support	9/3	5
	UT-GBC	ID-BDC	BEARSKIN	Fire - Wildfire	9/10	10
					Total	26

Table 10: NW Type 1

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
PNW Team 2 – Schulte	OR-NWC	WA-CWC	SILVER DOLLAR	Fire - Wildfire	7/3	1
	OR-NWC	WA-CWC	DIAMOND CREEK	Fire - Wildfire	7/29	13
	OR-NWC	OR-EIC	WHITEWATER/HORSE CREEK COMPLEX	Fire – Wildfire/ Complex	8/15	13
	OR-NWC	WA-CWC	JOLLY MOUNTAIN	Fire - Wildfire	9/3	18
	OR-NWC	OR-RVC	CHETCO BAR	Fire - Wildfire	9/22	16
PNW Team 3 - Livingston	MT-NRC	MT-NRC	2017 NORTHERN ROCKIES IMT STAGING	Preparedness/ Preposition	8/1	3
	MT-NRC	MT-MDC	LOLO PEAK	Fire - Wildfire	8/3	17
	OR-NWC	OR-RVC	CHETCO BAR	Fire - Wildfire	8/24	19
	OR-NWC	WA-CWC	NORSE PEAK/AMERICAN	Fire - Wildfire	9/15	10
	GA-SAC	GA-SAC	FEMA R2 PUERTO RICO HURRICANE MARIA	Hurricane/ Typhoon	10/27	18
					Total	128

Table 11: ODF

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
ODF Team 1 - Hessel	OR-NWC	OR-71C	FLOUNCE	Fire - Wildfire	8/8	9
	OR-NWC	OR-73C	HORSE PRAIRIE	Fire - Wildfire	9/8	8
ODF Team 3 - Smith	OR-NWC	OR-73C	HORSE PRAIRIE	Fire - Wildfire	8/27	14
					Total	31

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
NW TEAM 6 - Sheldon	OR-NWC	WA-CWC	DRY CREEK	Fire - Wildfire	7/9	12
	OR-NWC	OR-LFC	DEVILS LAKE	Fire - Wildfire	8/2	7
	OR-NWC	WA-CAC	BRIDGE CREEK	Fire - Wildfire	8/10	18
	OR-NWC	WA-CCC	EAGLE CREEK	Fire - Wildfire	9/3	7
	OR-NWC	OR-RVC	HIGH CASCADES COMPLEX	Complex	9/9	16
	OR-NWC	OR-RVC	MILLER COMPLEX	Complex	10/14	10
NW Team 7 - Knerr	OR-NWC	OR-EIC	WHITEWATER	Fire - Wildfire	7/29	17
	OR-NWC	OR-RVC	HIGH CASCADES COMPLEX	Complex	8/22	23
	OR-NWC	OR-EIC	KELSEY CREEK/JONES	Fire - Wildfire	9/16	15
NW Team 8 - Johnson	UT-GBC	NV-SFC	2017 NV-SFC GACC SUPPORT	Preparedness/ Preposition	7/19	6
	UT-GBC	NV-CNC	MAHOGANY	Fire - Wildfire	7/24	8
	OR-NWC	OR-RICC	FALCON COMPLEX	Complex	8/9	18
	OR-NWC	OR-COC	MILLI 0843 CS	Fire - Wildfire	8/30	8
	OR-NWC	OR-EIC	WHITEWATER	Fire - Wildfire	9/6	16
	OR-NWC	OR-RVC	HIGH CASCADES COMPLEX	Complex	9/24	11
NW Team 9 - Goff	UT-GBC	NV-EIC	TABOR FLATS	Fire - Wildfire	7/11	:
	UT-GBC	NV-EIC	ROOSTERS COMB	Fire - Wildfire	7/11	e
	UT-GBC	NV-EIC	FOUR SEASONS COMPLEX	Complex	7/16	8
	OR-NWC	OR-BMC	BEAR BUTTE	Fire - Wildfire	8/5	10
	OR-NWC	OR-EIC	STALEY	Fire - Wildfire	8/18	18
	OR-NWC	OR-RVC	MILLER COMPLEX	Complex	9/9	15
NW Team 10 - Ciraulo	OR-NWC	OR-BIC	CINDER BUTTE	Fire - Wildfire	8/3	8
	OR-NWC	OR-EIC	JONES	Fire - Wildfire	8/12	20
	OR-NWC	WA-CWC	UNO PEAK	Fire - Wildfire	9/1	21
NW Team 11 - Rabe	OR-NWC	WA-CWC	SUTHERLAND CANYON	Fire - Wildfire	6/28	e
	OR-NWC	WA-NEC	NOISY CREEK	Fire - Wildfire	7/31	17
	OR-NWC	WA-CAC	BRIDGE CREEK	Fire - Wildfire	8/25	18
	OR-NWC	OR-EIC	WHITEWATER	Fire - Wildfire	9/13	16
NW Team 12 - Harrod	OR-NWC	OR-LFC	ANA	Fire - Wildfire	7/10	7
	OR-NWC	WA-NDC	SUIATTLE	Fire - Wildfire	8/1	8
	OR-NWC	OR-WSC	NENA SPRINGS	Fire - Wildfire	8/10	7
	OR-NWC	OR-EIC	JONES/STALEY	Fire - Wildfire	8/25	16
	OR-NWC	WA-CCC	EAGLE CREEK	Fire - Wildfire	9/19	16
NW Team 13 - Gales	OR-NWC	OR-RVC	BLANKET CREEK	Fire - Wildfire	7/27	16
	OR-NWC	WA-CWC	NORSE PEAK	Fire - Wildfire	8/17	17
	OR-NWC	OR-RVC	CHETCO BAR	Fire - Wildfire	9/5	23
					Total	466

Table 12: NW Type 2

NW Interagency Hotshot Crews

Source: COGNOS/ROSS Reports.



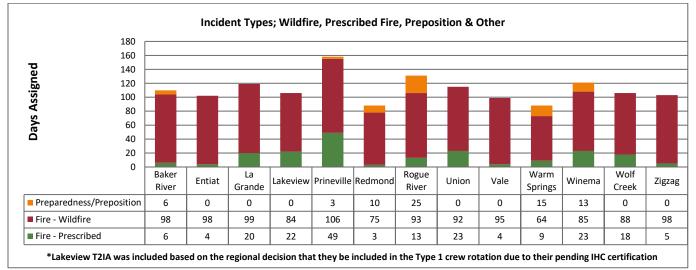
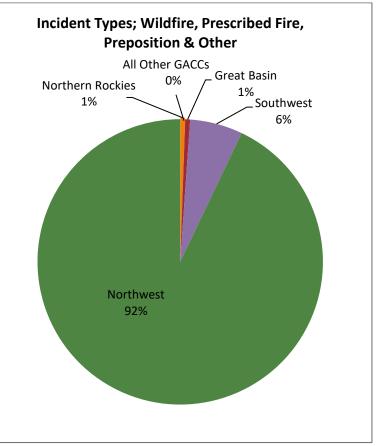


Table 13: Days Assigned &Percentage of Total byGeographic Area 2017

GACC	Days	%
Southern Area	0	0%
Eastern Area	0	0%
Northern Rockies	8	1%
Rocky Mountain	0	0%
Great Basin	8	1%
Southwest	86	6%
Northern California	7	0%
Southern California	0	0%
Northwest	1337	92%
Alaska	0	0%
Total	1,446	100%

Chart 14: Percentage of Total Days Assigned by Geographic Area 2017



NW Smokejumpers

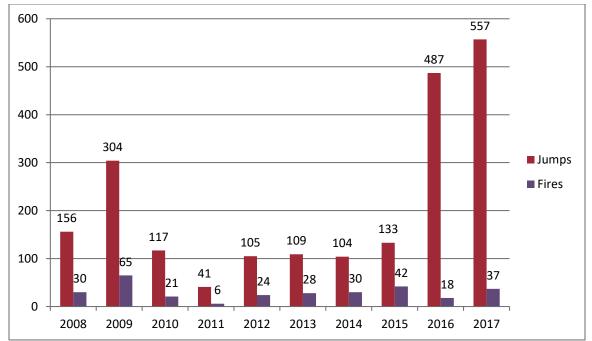
North Cascades Smokejumpers

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

2017 Fire Season Summary

In summary, **20** fires were jumped out of NCSB in 2017 and an additional **17** fires were staffed by NCSB jumpers as either detailers or boosters. The first fire out of Winthrop was jumped on **June 26th** and the last on **September 15th**. Nationally the North Cascades Smokejumpers conducted **557** total jumps and spent **1,218** days on assignment with **0** loss time injuries.

The North Cascades Smokejumpers staffed **20** fires out of NCSB and an additional **17** as boosters or detailers. The base provided assistance to incident management teams on **17** separate large fires through **29** single resource assignments. Prescribed burning accounted for **27%** of assignment days with **319** days nationally. In addition to the local RX work, the smokejumper program routinely assists Region 8 with both prescribed and wildland fires.





Redmond Smokejumpers

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

2017 Fire Season Summary

Out of Redmond, **41** fires were staffed totaling **229** fire jumps. Redmond Smokejumpers and boosters responded to fires in **5** separate land management areas. The first fire jump occurred on **July 10th** and the last on **September 13th**. The **41** fires are approximately **71%** of our 10-year average of **58** fires and **229** fire jumps is **82%** of our 10-year average of **277** fire jumps.

Redmond received 4 boosters for 34 jumpers. Redmond Smokejumpers boosted other bases 4 times, delivering 30 jumpers. Redmond Smokejumpers aided in staffing 15 fires as boosters with a total of 28 fire jumps.

Redmond Smokejumpers filled 58 single resource assignments totaling 770 days. The 770 days amounted to 53% of our fire suppression workload in 2017.

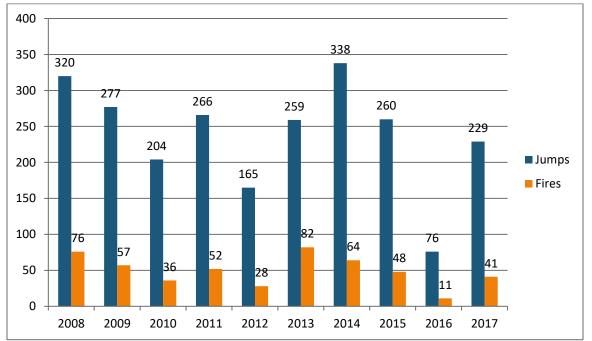


Chart 16: Redmond Smokejumper's 10-Year Fire Jump Numbers

NW Rappel Aircraft

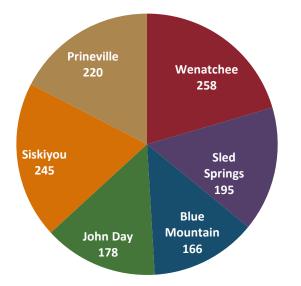
Source: Oregon BLM State Office/FS Region 6 Regional Office (SORO) Aviation Program report, excerpt. For full report, contact SORO.

	Wenatchee	Sled Springs	Blue Mountain	John Day	Siskiyou	Prineville	Totals	Average
Flight Hours on Fire	258.3	195	165.9	178.3	245	219.8	1262.3	210.4
Flight Hours Other	28.1	8.4	10	29.3	29.3	6.2	111.3	18.6
Days on Contract	140	120	136	142	142	120	800	133.3
Days Flown on MAP*	98	74	78	75	62	120	507	84.5
% Days Flown on MAP*	70%	62%	57%	53%	44%	100%		64%
# Initial Attack Count	41	22	34	29	23	47	196	32.7
# Large Fires	6	10	19	9	16	2	62	10.3
Person Days on Fire	0	0	0	0	0	0	0	0.0
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	4	7	1	4	5	7	28	4.7
Initial/Extended Attack								
Helitack Initial Attack	13	6	10	12	0	10	51	8.5
Count								

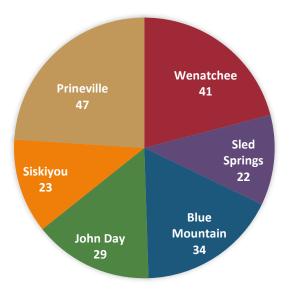
Table 14: 2017 Activity Totals – Region 6

*MAP (Mandatory Availability Period)









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.

2017 Year End Totals

RETARDANT

Gallons of Retardant	1,689,492
Loads of Retardant	691
Retardant Cost to Fires	\$4,105,251.39
Retardant Contract Length	137 days
Contract Extension	0 days
Retardant Loads Aborted or Jettisoned	2
Average Turnaround Time	12 minutes

FIRE INFORMATION

Number of Agency Users7
Number of Fires Worked With Air Tankers 85
Number of Initial Attack Fires 59
Number of Fires Reinforced 26
Number of Air Tankers that operated from RDM 27

LANDINGS

Total Number of Landings	562
Total Landing Fee Costs (at \$3.05 per 1000lbs)\$2	148,472.70
Types of Air Tankers Making Landings	9
(BAE-146, P-2V, MD-87, CV-580, DC-7, C-130Q, RJ-85, SEATs, Fire-Boss	;)

PEAK OPERATIONS

Max # of Air Tankers Operating in One Day (August 18) 6
Max # of Incidents Worked in One Day (August 18)2
Max. # of Loads in One Day (August 18) 47
Max. # of Gallons Retardant Pumped in One Day (August 18) 136,482
Max # of Landings in One Day (August 18) 47

First Air Tanker Mission Flown	June 20
Where Flown: "Rhoades Canyon", (BLM)	
Last Air Tanker Mission Flown	October 6
Where Flown: "Teanaway River", (WA-DNR)	

APPENDIX

NW Dispatch Centers

Table 15: Washington

Government Level	NWCG ID	Unit Name	Organizational Level
Federal	WA-CCC	Columbia Cascade Communications Center	Local
WA-CAC		Colville Agency Dispatch Center	Local
	WA-CWC	Central Washington Interagency Communication Center	Local
	WA-NEC	Northeast Washington Interagency Communications Center	Local
WA-PSC WA-SAC WA-YAC		Puget Sound Interagency Coordination Center	Local
		Spokane Agency Dispatch Center	Local
		Yakama Agency Dispatch Center	Local
State	WA-WAC	Washington State Headquarters Dispatch Center (Olympia)	State
WA-NDC		WAS-Northwest Dispatch Center	Local
	WA-OLC	Olympic Region DNR	Local
	WA-PCC	Pacific Cascade Region DNR	Local
	WA-SPC	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-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-RICC	Roseburg Interagency Communication Center	Local
	OR-RVC	Rogue Valley Interagency Communication 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-50C	Northwest Oregon Area Dispatch Center	Local
	OR-70C	Southern Oregon Area Dispatch Center	Local
	OR-71C	Medford Dispatch Center	Local
	OR-712C	Grants Pass Dispatch Center	Local
	OR-954C	The Dalles Dispatch Center	Local
	OR-72C	Coos Forest Protection Agency	Local
	OR-73C	Douglas Forest Protection Agency	Local
	OR-77C	South Cascade Dispatch Center	Local
	OR-78C	Western Lane Dispatch Center	Local
	OR-99C	Walker Range Forest Protection Agency	Local

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

NW Federal & State Agency Identifiers

NW Local Unit Identifiers

DNR = Department of Natural Resources, NF = National Forest, NHP = National Historic Park, NHS = National Historic Site, NM = National ife Refuge, ODF = Oregon

able 17	: Federal			Agency	State-ID	Unit Name
			1		OR-CLP	Crater Lake NP
Agency	State-ID	Unit Name			OR-OCP	Oregon Caves NM
	OR-UMA	Umatilla Agency			WA-LRP	Lake Roosevelt NRA
	OR-WSA	Warm Springs Agency		NPS	WA-MRP	Mount Rainier NP
BIA	WA-COA	Colville Agency		NP3	WA-NCP	North Cascades NP
	WA-SPA	Spokane Agency			WA-OLP	Olympic NP
	WA-YAA	Yakama Agency			WA-SJP	San Juan Islands NHP
	OR-BUD	Burns District			WA-WMP	Whitman Mission NHS
	OR-CBD	Coos Bay District			ID-WWF	Hells Canyon NRA
	OR-EUD	Eugene District			OR-BFZ	Malheur NF - Burns Fire Zo
	OR-KFD	Klamath Falls Resource Area			OR-CGF	Columbia River Gorge NSA
	OR-LAD	Lakeview District			OR-DEF	Deschutes NF
BLM	OR-MED	Medford District]		OR-FWF	Fremont-Winema NF
	OR-PRD	Prineville District			OR-MAF	Malheur NF
	OR-ROD	Roseburg District			OR-MHF	Mt. Hood NF
	OR-SAD	Salem District			OR-OCF	Ochoco NF
	OR-VAD	Vale District			OR-RSF	Rogue River-Siskiyou NF
	WA-SPD	Spokane District			OR-SUF	Siuslaw NF
	OR-BVR	Bear Valley NWR		USFS	OR-UMF	Umatilla NF (Oregon)
	OR-HMR	Hart Mountain NWR			OR-UMFH	Heppner District - Umatilla
	OR-KLR	Klamath Marsh NWR	1		OR-UPF	Umpgua NF
	OR-MAR	Malheur NWR	1		OR-WIF	Willamette NF
	OR-UKR	Upper Klamath NWR	1		OR-WWF	Wallowa-Whitman NF
	OR-SHR	Sheldon-Hart Mountain NWR	1		WA-COF	Colville NF
ws	WA-LPR	Little Pend Oreille NWR	1		WA-GPF	Gifford Pinchot NF
	WA-MCR	Mid-Columbia NWR Complex	1		WA-MSF	Mt. Baker-Snoqualmie NF
	WA-NQR	Nisqually NWR	1		WA-OLF	Olympic NF
	WA-RFR	Ridgefield NWR Complex]		WA-OWF	Okanogan-Wenatchee NF
	WA-TBR	Turnbull NWR]		WA-UMF	Umatilla NF (Washington)
	WA-WLR	Washington Maritime NWR	1			
	WA-WLR	Willapa NWR Complex	1			

NW Local Unit Identifiers

Table 18: State

Agency	State-ID	Unit Name			
County	OR-OFS	Oregon Fire Service			
& Local	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			
	WA-WAS	Washington State Headquarters			
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			