

# Northwest Annual Fire Report 2021



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 Situation Report and Incident Status Summary (ICS-209) programs and from the Interagency Resource Ordering Capability (IROC). As part of a national standardization, fire statistics are presented by Protecting Agency and 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/](https://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

Available electronically at [gacc.nifc.gov/nwcc/](https://gacc.nifc.gov/nwcc/)  
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*Photos:* BLM Public Domain, Inciweb and by permission

## NWCC ACCOMPLISHMENTS

### A Review of 2021

#### Overview

The Northwest 2021 Fire Year surpassed historical averages for duration and fire activity. Beginning at the start of the new year, continued efforts with Coronavirus (COVID-19) pandemic early in the year provided a need for the wildland community to support regional and national efforts in providing oversight and general support to vaccination centers. The Northwest (NW) region provided Incident Management Team and Emergency Medical Technician support throughout the country. The fire management agencies and personnel continued to re-examine incident management business practices, nationally, geographically, and locally. Efforts to support FEMA with the pandemic began to diminish just as the geographic area was receiving the pressure of a drier than normal spring fire season. The dry early season had a short reprieve until we transitioned into the last half of June when warming and drying during a record-setting heat wave in the last week of the month elevated potential for active fires in the NW. The hot and dry conditions during the month of July elevated preparedness levels and supported a rapid increase in fire activity.

Overall, there were 4,075 incidents in the NW and over 1.5 million acres were affected by fire— 125% of the ten-year average. Active fire seasons occurred in Rocky Mountain, Southwest, Great Basin, Northern Rockies and both California Geographic Areas, heavily impacting resource capability.

In all, NW Incident Management Teams (IMTs) mobilized 59 times in the NW and nationally, accumulating 837 duty days on incidents. This included:

- Ten Type 1 IMT mobilizations;
- Thirty-three Type 2 IMT mobilizations;
- Seven ODF IMT mobilizations; and
- Nine OSFM IMT mobilizations

Out-of-Area IMTs mobilized to the Northwest twenty-five times (eleven T1 and fourteen T2) as well as one assignment for an Area Command Team.

Total days assigned for all teams in the Northwest: 1,240

The 2021 fire season presented the NW with a record setting length of season at the highest ever number of days at Preparedness Levels 4 and 5 (76 days total) with additional days at Preparedness Level 3 (28 days). The 2021 fire season finally slowed to a Preparedness Level 1 on October 20<sup>th</sup>, with minimal fire activity through the end of the calendar year.

## Organization: Administration

### *NWCC Center Manager*

Dan O'Brien the NWCC Center Manager retired in December 2020, resulting in detailed coverage through the 2021 season. The acting Center Managers (Jada Altman and Ted Pierce) continued to engage at a number of levels:

- Completed the 2022 NWCC Operating Plan with operating budget.
- Ensured updates to NWCC COOP plan for transferring geographic area coordination operations to Central Oregon Interagency Dispatch Center in the event of a catastrophic disabling event.
- Maintained the NWCC COVID-19 COOP and Operating Plan for safe in-person operations.
- Implemented telework operations for NWCC through the winter/spring months and again in the fall to minimize potential COVID-19 transmission.
- Supported PNWCG Chair and PNWCG facilitator in meeting scheduling and management.
- Coordinated CY20 to CY23 Interagency Agreement funding the NWCC Public Affairs Specialist position.
- Provided oversight and guidance for all operations at NWCC.
- Updated the 2021 NW MAC Operations Handbook.
- Prepared and directed publication of the NW Interagency Mobilization Guide.
- Utilized NW MAC daily schedule to include TEAMS technology in place of face-to-face meetings and phone calls.
- Coordinated the 1600 situational briefing to improve information delivery from the NWCC sections as well as provide consistent delivery in Microsoft TEAMS.
- Participated in NW Incident Commander Advisory Council conference calls.
- Hosted MAC Support orientation in preparation for the 2021 Fire Season, with emphasis on greater utilization of virtual technologies.

### *Public Information and Communication*

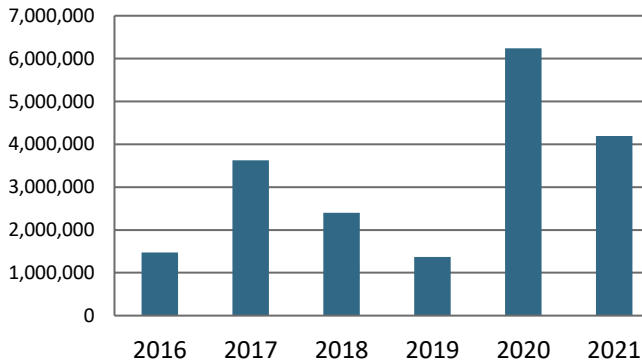
A total of 379 media requests, including 31 virtual media interviews and over 175 public information calls, were completed through the 2021 fire season by the NWCC Public Information Desk. These were responding to local, regional, national, and international media-related requests, as well as calls from private citizens concerned about fire activity, evacuations, smoke, resource availability, hunters, campers, fire camps, contractors and other general questions.

- The NWCC Twitter account, which complemented the NWCC Facebook webpage and Blog, saw an increase of over 4,000 new followers. In 2020, NWCC had 39,000 tweet impressions and the summer of 2021 had nearly 4 million which equates to a 10,000 percent increase in traffic. Over 550 original tweets, averaging nearly 6 posts per day accounted for the large increase in traffic for the 2021 season.
- The NWCC Facebook page reached an audience of 570,541 individuals and increased followers to 6,300.
- The NWCC Fire Blog continued to show user growth with over 420,000 page views recorded in a 3-month period.
- The NWCC GACC is the only social media site with a Facebook presence and one of only a few with an active Twitter presence.
- Analysis shows use of the main NWCC website had over 4 million page views which includes nearly 1.4 million first time visitors. The NWCC Fire Information Page and Incident Map continues to have over 75 percent of all web user traffic.

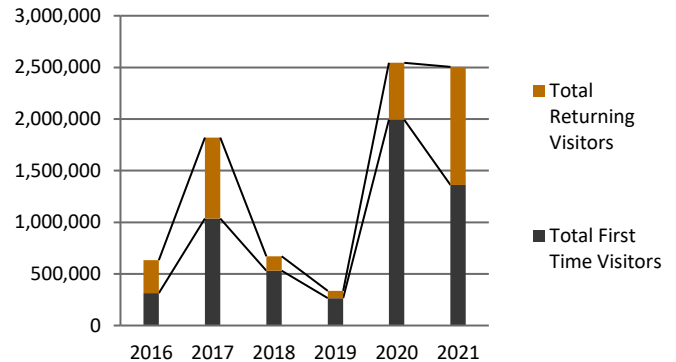
## NWCC ACCOMPLISHMENTS | A Review of 2021

- Prepared and distributed interagency media/public information messages on behalf of the Pacific Northwest Wildfire Coordination Group (PNWCG) Communication, Prevention and Investigation Committee (CPI). Served as Vice Chair to the CPI Committee.
- Organized and hosted daily Northwest Incident Management Team Public Information Officer coordination calls. Provided guidance and support to team PIOs assigned to the GACC.
- Lead instructor for S-203. Created and delivered a virtual training platform.
- Hosted 6 detailers in the Public Information and Communication Section.

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



**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, ArcGIS Online mapping applications and feature services and general support across all federal and state agencies in the Northwest as well as Coordinating Groups, Local Units, Incident Management and Area Command Teams and stakeholders. 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 2021 accomplishments include:

- Desraye Assali continued to serve in a virtual capacity as the GIS Coordinator providing oversight of GIS operations.
- Four detailers completed assignments for onsite and virtual GIS support for all NWCC and MAC operations.
- Responded to critical data, analysis requests, and mapping requests across all agencies, regional fire leadership, IMTs, researchers and the public.
- Created a regional fire line history layer that was shared with the BLM and FS GIS Community and was utilized during suppression activities.
- Maintained and expanded the available content of the AGOL Groups under the ownership of the NWCC GIS NIFC AGOL Administrator Account.
  - *NWCC-Northwest* - contains all mapping applications and feature services maintained by NWCC.
  - *NWCC 2020 Fire Data Disk Map Service Links* - contains base data and maps for the region.
- Created or updated all NWCC AGOL Applications.
  - *Northwest Large Fire Interactive Web Map* viewed 3,340,726 times between July 1 and Oct 30, 2021.

- *NW Current Situation*, viewed 9,704 times between July 1 and Oct 30, 2021.
- *Current Situation Maps*, viewed 8,570 between July 1 and Oct 30, 2021.
- *Fuels/Fire Danger Applications and maps*.
- *Structures*, dashboard showing Structures Threatened or Destroyed per a fire's previous day 209 fire report.
- *NWCC Resources*, dashboard of all crews and Type 1 and 2 helicopter status and location.
- *Snow Cover in the NWCC Area*, application that shows NOAA IMS snow cover data and NW RAWS that have a snow flag set.
- *Pacific Northwest Area Command 2021*, Story Map created with the Area Command Team to highlight regional suppression activities.
- Craig Ducey, from the OR/WA BLM State Office created two web mapping applications displaying NOAA NOMADS High-Resolution Rapid Refresh (HRRR) 48-hour forecast models in two-hour increments.
  - *NOAA NOMADS HRRR RH2M And Wind 48-Hour Forecast*, depicts relative humidity 2 meters above the ground in 5-percent bins overlaid with wind speeds greater than 20 and 30 MPH 10 meters above the ground.
  - *NOAA NOMADS HRRR 48-Hour Surface Visibility Risk Forecast*, shows the highest forecasted risk to helicopter and fixed-winged aircraft within 10-miles of select airports and helibases within the Pacific Northwest.
- Supported Northwest Geographic Area incident personnel with uploading large fire polygons into the National Incident Feature Service (NIFS) and troubleshooting technical issues.
- Coordinated with Distributed Real Time Infrared (DRTI) Coordinators for flights over priority fires.
- Created the Northwest READ and BAER AGOL Groups and Content.
- NIFC AGOL, NIFS and Collector technical support and guidance including training, password resets, group, and content management.
- Granted NIFC FTP access for the Northwest Geographic Area.
- Regional Avenza Pro Coordinator for USFS employees and partners.
- Continued update and improvement of the NWCC COP (Common Operating Picture) for Google Earth
- Supported the State Office Regional Office fire management with creating and updating AGOL applications.
  - Updated the PNW region and Region 6 Operations and FTEM Maps and FTEM Survey 123 for 2021 treatment and wildfire intersection reporting.
- Compiled and maintained daily operational features including fire locations and perimeters for approximately 151 individual fires and 6 complexes totaling more than 1.5 million acres burned across the Northwest Geographic Area.



### **Organization: Predictive Services**

Through another year of COVID-19 challenges, impacts and mitigation, Predictive Services continued to provide decision support services to fire leadership. Predictive Services served as a focal point for intelligence and situation reporting producing geographic area fire potential outlooks, compiling and reporting fire occurrence and resource status information and providing implications of fire situation analysis to fire leadership and the field.

Due to the 2020 Labor Day Fires and the persistence of drought in the geographic area, cooperators and managers had a heightened interest in the early season prognosis for 2021. Predictive Services addressed a variety of queries and started to conduct briefings to a variety of partners, customers and stakeholders that were affected by early season conditions. With the fire environment conditions exacerbated by a strong heat wave in June that delivered record maximum temperatures for several areas, then with the moisture came lightning, triggering several new starts that would challenge managers and field personnel for several weeks, Predictive Services was able to continue and make improvements with products and relationships as highlighted below:

- Provided daily fire situation and fire potential briefings, analysis and reports. In adapting to a virtual environment, utilized new tools to continue daily NWCC briefings and leveraged available technology to enhance both content and flow.
- Integrated meteorological services to provide additional insights to aviation managers for location and distribution of aviation assets during heavy smoke impact events from local and national wildfire events. Smoke queries were fielded and supported for operational and public safety outlooks.
- Integrated with NW MAC Support to assist with incident prioritization, developing strategic intent and transferring intelligence. The full range of decisions and briefings were adapted to minimize health risks during an active fire season.
- Continued discussion with NW MAC leadership and staff, Predictive Services staff, incident IMETs and FBANs to understand future meteorological and fire behavior implications.

### **Fire Analysis**

- The Fire Analyst was supported by 7 detailers to assist with analyst duties from late May through early October. A couple detailers pulled double or triple tours to provide continued support of the analyst desk.
- Conducted 7 total fuels status conference calls beginning in late May to provide regional and local perspectives on fuel conditions in the geographic area. Early season fire activity in southwest and south-central Oregon prompted the first fuels status call to be about two weeks earlier than previous seasons. The last call was sponsored on August 24<sup>th</sup>.
- Prepared fuels status and fire behavior reports for posting and dissemination to cooperators and incoming incident management teams.
- Three consecutive Fuels and Fire Behavior Advisories for South Central-Central Oregon were issued and started in July and lasted until September 1<sup>st</sup>. This was the longest series of advisories issued in the Northwest area since 2005. Analysts from the units and cooperators were involved in evaluating, expanding, and extending the advisories. Additionally, in early July, NWCC and North Ops issued Fuels and Fire Behavior advisories concurrently.
- Continued to serve as the Northwest Geographic Area Lead for the National Fuel Moisture Database.
- Consolidated new Fire Danger Operating Plans on the NWCC website for cooperators and IMTs to utilize. GIS and IT supported this effort with new links on the web page to display fire danger indices across the geographic area.

- Continued serving the geographic area as a remote automated weather station (RAWS) coordinator to support field units with compliance and maintenance. Ensured key RAWS utilized by Predictive Services were online. Communicated across all agencies and units for necessary repairs.
- Initiated a mapping and display process to demonstrate the status of snow cover in the geographic area. The information was utilized as a “snow flag” evaluation setting in the Weather Information Management System (WIMS) to keep accurate fire danger indices. Outputs were produced to assist field units to determine the status of snow around the Northwest RAWS.
- Coordinated with FBANs on wildfires and analysts working on decision support within the Northwest. Evaluated national risk assessment products and regional decision support group products to keep the MAC support group informed.
- Maintained IMT analysts contact list information to assist in the coordination of IMT fire behavior and meteorological staff between incidents. Briefed IMT analysts on fire behavior and fuel status advisories and the effects of the record heat wave on live fuels.
- Evaluated emerging large fire conditions in the shoulder seasons and/or conditions that could threaten ongoing prescribed fire activity in the geographic area.

### *Intelligence*

- Hosted 5 detailers in the Intelligence Section who returned for multiple assignments.
- Continued coordination with GIS staff to improve NWCC Situation page and statistical dashboards.
- Continued to refine and adapt the Intelligence section products in conjunction with the continued advancements in Intel technologies.
- Coordinated migration of SIT209 users under the new iNAP platform.
- Presented subject matter at Northwest IMT Conference.
- Provided SME guidance, support and troubleshooting to Dispatch Centers and IMTs for ICS-209 reporting and Situation Reporting.
- Provided data analytical support to Coordinating Groups, Agency Administrators, fire managers and field resources from multiple agencies and stakeholders with over 30 fire statistical requests processed.
- Serves as an IROC Report Elevated Role user in support of Northwest reporting requests.
- Member of the SIT-209 change board and Next Generation 209 group.

### *Meteorology*

- With drought conditions noteworthy for both geographic coverage extent and severity, meteorologists briefed several groups in the spring on expectations for an active fire season.
- Worked with SORO GISS to develop a map depicting potential smoke impacts to aviation operations based on visibility thresholds designated by the aviation community.
- In collaboration with researchers at the University of Washington, John Saltenberger published a paper titled “The September 2020 Wildfires over the Pacific Northwest” in the journal Weather and Forecasting.
- Hosted one visiting meteorologist as a detailer covering a two-week period.
- John Saltenberger instructed three fire fighter courses leading into the season.
- Provided orientation and training to the Baker River Hotshots, outlining NWCC functions, products, and procedures for both Operations and Predictive Services.
- Assisted GISS with generation of requests for DRTI flights for new fire detection as well as mapping of existing incidents.
- Conducted routine daily coordination calls with National Weather Service (NWS) offices and Incident Meteorologists; participated in coordination calls with NICC and the other GACCs.

- Published daily and monthly Significant Fire Potential Outlooks and Fire Activity Forecasts.
- Contributed to the publication of the NW Mobilization Guide.
- Coordinated with NWS offices to publish the Fire Weather Annual Operating Plan.
- Faced with several novel data flow, system, and network outages and changes, modified our data acquisition scripts to mitigate current and future outages.
- Continued to distribute daily lightning data to a growing number of collaborators including dispatch centers, GIS Specialists, and BIA regional staff.
- Supported numerous interviews with television, radio, and print journalists.
- Collected and provided meteorological data in support of two BIA wildfire investigations.
- Worked with the University of Washington on a fire preparedness plan.

### Organization: Operations

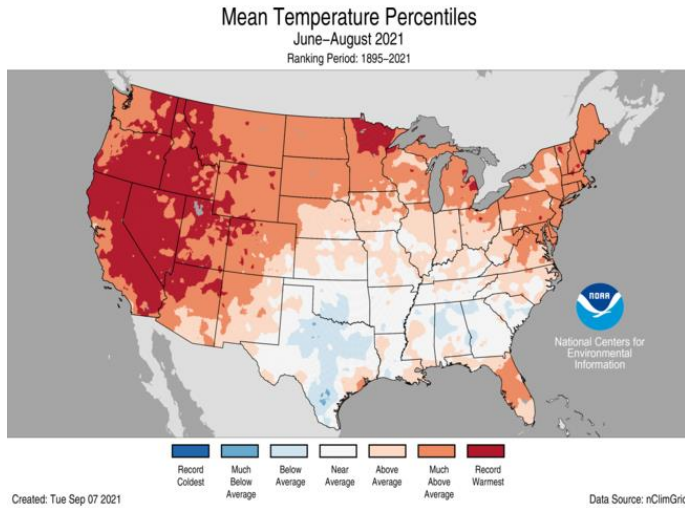
The NWCC Operations Section continues to ensure coordination of safe and efficient resource mobilization and provides incident support. More than 34,000 resource orders were processed through NWCC during the 2021 fire season: mobilizing overhead, crews, equipment and aircraft on fires and all-hazard incidents in the Northwest, Nationally and Internationally. NWCC Operations recruited the assistance of numerous 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. 2021 accomplishments for NWCC Operations are provided below:

- Welcomed Kaleigh Johnson as the new Logistics Coordinator – Aircraft.
- Staffed and operated the GACC resource desks in support of incident operations throughout 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 and subject matter expertise for Incident Commander, Smokejumper, Hotshot, Rappel and Engine Captain groups.
- The Emergency Operations Manager serves as the chair of the IROC Change Board.
- Maintained support efforts to the Northwest with oversight of the RAC Mob organization.
- Dispatched State Office/Regional Office personnel to incident assignments.
- Maintained rosters and coordinated multiple mobilizations of the Northwest Type 1 & 2 IMTs.
- Provided support to Critical Incident Stress Management (CISM) mobilization and operations.
- Assisted in the mobilization of Agency Administrators 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 the NW IMT conference.
- Maintained consistent communications with agency Duty Officers.
- Coordinated administrative flights for regional and national leaders.
- Due to COVID 19, developed and carried out COOP agreements for offsite work with NWCC personnel and the Alaska Interagency Coordination Center for virtual support of the operations floor.

# FIRE SEASON OVERVIEW

## Fire Season Climate Summary

Average temperatures during Fire Season 2021 were well above the 1895-2021 average for nearly the entire western United States. In many areas of the western United States temperatures were the warmest ever recorded for the three-month period June, July, and August.



## Fire Season Monthly Review

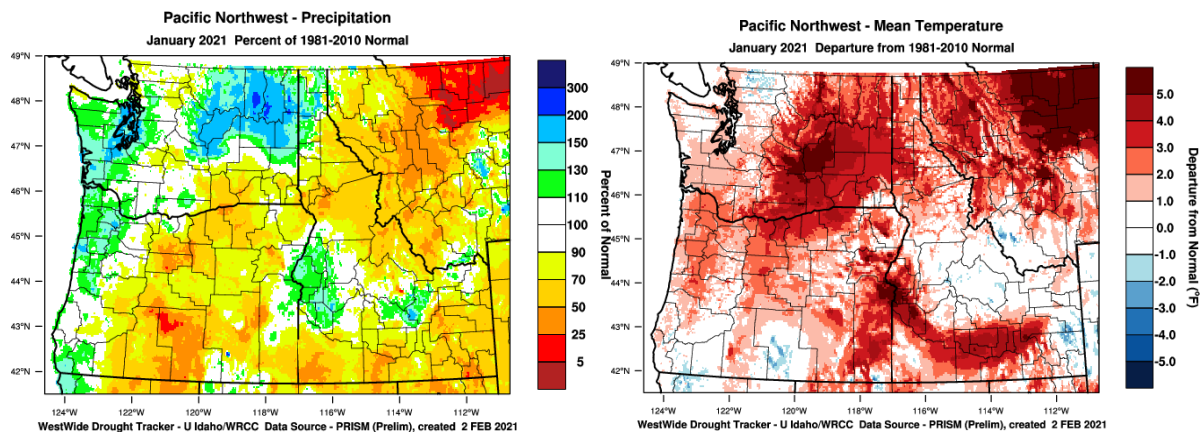
### January

#### Weather Trends

A series of Pacific frontal systems pushed precipitation totals for January 2021 above average for most of Washington and western Oregon. An atmospheric river event in the middle of the month brought extensive heavy rainfall with warm temperature and high snow levels. Despite this, precipitation remained below average for central and eastern Oregon and sections of central Washington.

Temperatures were above average for the region in January, as was the case for much of the western U.S. The warmer-than-average conditions are consistent with conditions observed over the region through much of 2020.

#### January Monthly Temperature and Precipitation Anomalies

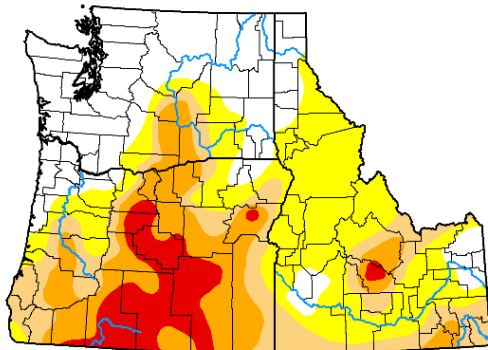


**January Fuel Conditions**

NFDRS Energy Release Component (ERC) values were near zero west of the Cascades. East of the Cascades ERC values were near average for late December for both Oregon and Washington.

**January Drought Status**

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**February 2, 2021**  
(Released Thursday, Feb. 4, 2021)  
Valid 7 a.m. EST

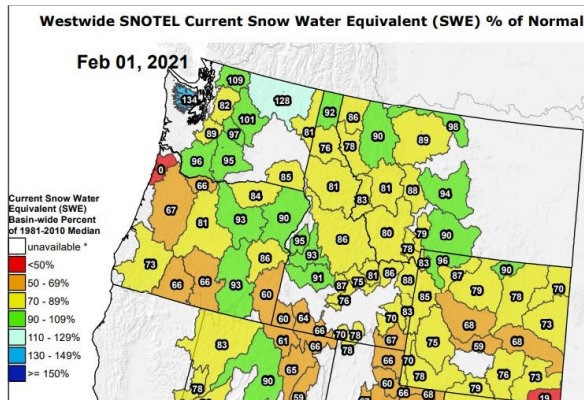
	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	65.33	34.67	12.46	7.80	2.64	0.00
<b>Last Week</b> <i>01-26-2021</i>	68.71	31.29	11.99	7.99	3.06	0.00
<b>3 Months Ago</b> <i>11-05-2020</i>	69.55	30.45	15.40	9.91	5.26	0.00
<b>Start of Calendar Year</b> <i>12-31-2020</i>	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> <i>10-01-2020</i>	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> <i>02-06-2020</i>	73.79	26.21	5.99	0.00	0.00	0.00

**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**January Snow Status**

Snowpack measurements were generally at or above average in Washington but were below normal over much of Oregon with the exception of a few reporting sites in northeastern Oregon that were near average. The snowpack deficiency in Oregon worsened toward the California border.

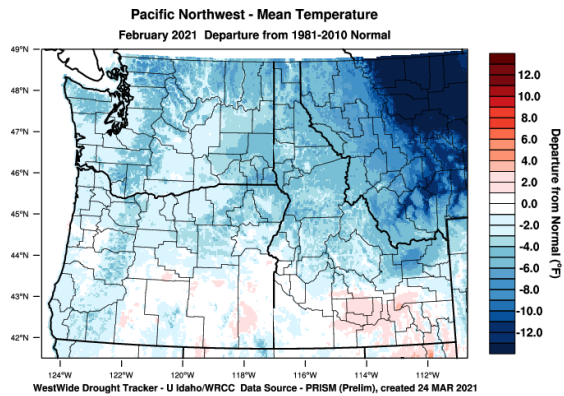
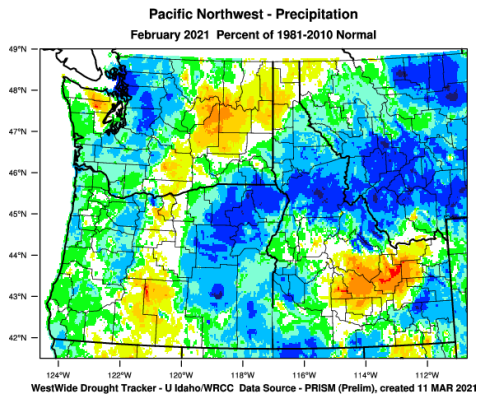


**February**

**Weather Trends**

A cold, windy storm coated the region with snow and ice over the Valentine’s Day weekend. Power interruptions and transportation slowdowns were common. Temperatures fell below normal in Washington and much of Oregon. Rain and snowfall totals were well above average for much of the west side and higher elevations east side. Periodic wet and cool weather systems moved across the region through the remainder of February.

## February Monthly Temperature and Precipitation Anomalies

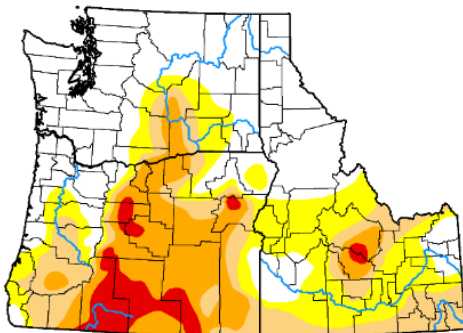


### February Fuel Conditions

Frequent moisture events increased fuel moistures in the 100 and 1000hr fuels and kept the fine fuels from drying out. Dead fuels were at above average moisture values for February.

### February Drought Status

## U.S. Drought Monitor USDA Northwest Climate Hub



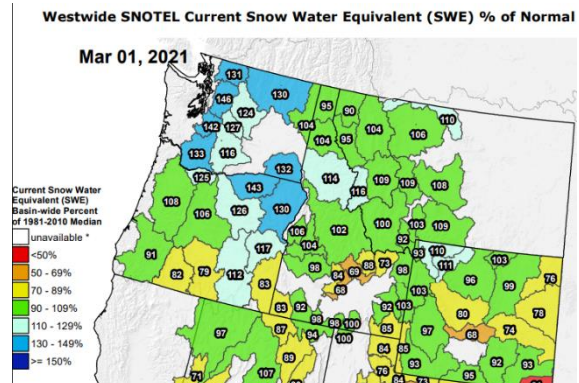
**March 2, 2021**  
(Released Thursday, Mar. 4, 2021)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	67.74	32.26	11.14	8.24	1.55	0.00
<b>Last Week</b> 02-25-2021	66.66	33.34	11.70	6.87	1.75	0.00
<b>3 Months Ago</b> 12-03-2020	71.96	28.04	13.33	9.20	4.34	0.00
<b>Start of Calendar Year</b> 12-31-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 10-01-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 03-05-2020	79.63	20.37	7.48	0.16	0.00	0.00

### February Snow Status

Snow totals were boosted considerably during the Valentine's Day storm and with the additional weather systems that followed during the remainder of the month. Snow accumulation rose above normal for Washington and much of Oregon. Only sections of south-central Oregon remain below average for snow accumulation.



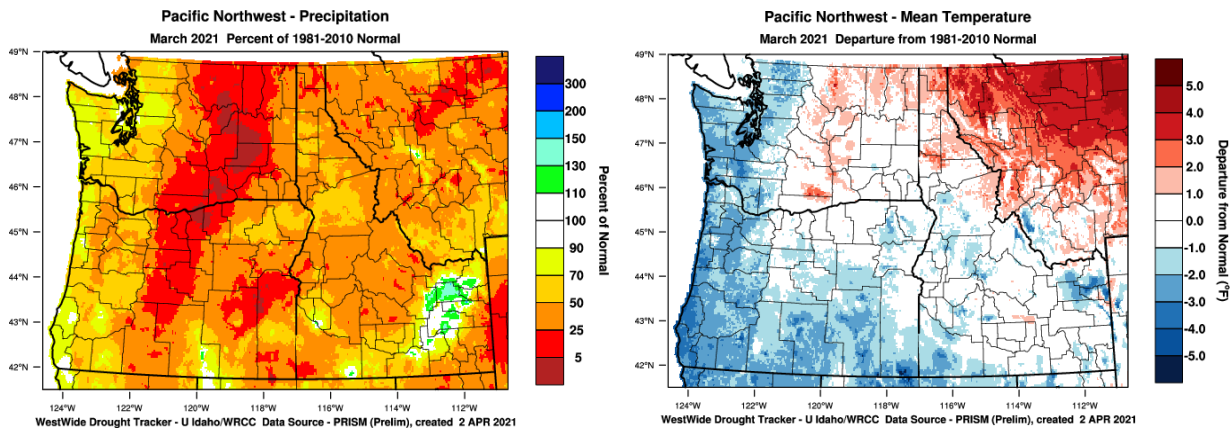
## March

### Weather Trends

Weather systems arrived at intervals from the Pacific Ocean keeping conditions cooler than typical for almost all of Oregon and western Washington through March. Only central and eastern Washington experienced near or slightly above normal temperatures for the month.

Precipitation was less than average for nearly the entire geographic area in March with only the southern Oregon coast accumulating near normal rainfall. Elsewhere there was a deficit of rainfall, particularly on the east side of the Cascades, where many reporting stations tabulated less than a quarter of the normal monthly total.

### March Monthly Temperature and Precipitation Anomalies

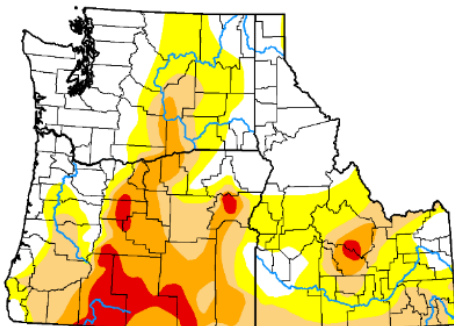


### March Fuel Conditions

Fire danger remained consistently above average in the Columbia Basin and lower elevations of the Okanogan Valley and in north central Oregon where conditions were quite dry throughout March. Drought designations continue in these areas. Some evidence of green-up initiation exists at lower elevations near the Columbia River and Snake Rivers, Metolius, Klamath and Deschutes Basins as well as sections of the west side.

### March Drought Status

#### U.S. Drought Monitor USDA Northwest Climate Hub



**March 30, 2021**  
(Released Thursday, Apr. 1, 2021)  
Valid 8 a.m. EDT

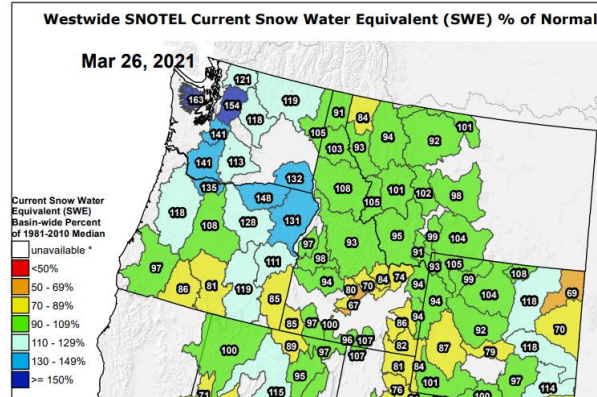
	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	56.90	43.10	11.06	5.54	1.55	0.00
<b>Last Week</b> 03-23-2021	58.07	41.93	10.84	5.54	1.55	0.00
<b>3 Months Ago</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 03-31-2020	83.45	16.55	9.37	2.13	0.00	0.00

**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**March Snow Status**

Despite the dry conditions recorded at lower elevation reporting stations, snow continued to accumulate at higher elevations across the geographic area through March. Snowpack in late March was well above normal for almost every reporting basin in Washington with some basins reporting 154% of normal. Snowpack in Oregon was also at or above average except for the basins in south central and southeastern Oregon.



**March Fire Activity**

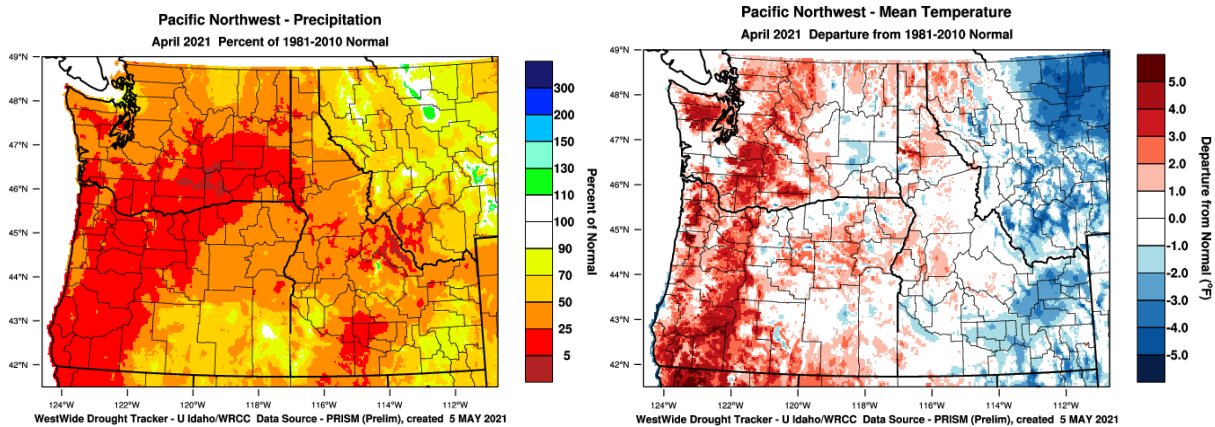
A strong windstorm in late March resulted in a 200+ acre fire from power transmission lines near Bend that consumed light fuels and some timber.

**April**

**Weather Trends**

April was unusually dry across Oregon and Washington. Large areas of both states experienced precipitation totals less than a third of normal monthly rainfall and only a few areas exceeded half of the normal amount for the month. Large sections of western Oregon sustained the driest April on record. Temperature for the month was near average west of the Cascades and at or slightly below average east of the Cascades.

**April Monthly Temperature and Precipitation Anomalies**



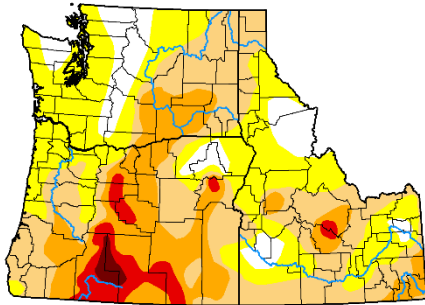
**April Fuel Conditions**

With the very dry weather, fuel moisture fell to unusually low values through much of April. Record low 100hr and 1000hr dead fuel moisture values for April were equaled or exceeded in a number of Predictive Service Areas (PSA) on both sides of the Cascades. 100hr values fell below 10% in some PSAs.



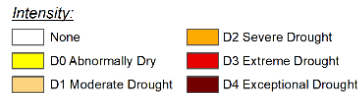
April Drought Status

U.S. Drought Monitor  
 USDA Northwest Climate Hub



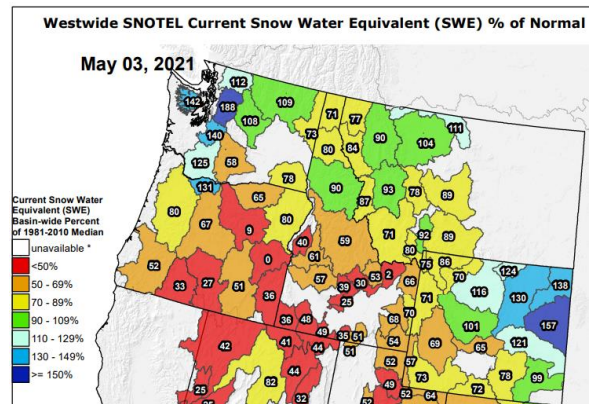
**April 27, 2021**  
 (Released Thursday, Apr. 29, 2021)  
 Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	58.64	41.36	17.00	7.45	1.73	0.26
Last Week 04-20-2021	59.80	40.20	15.92	6.53	1.73	0.26
3 Months Ago 01-26-2021	68.71	31.29	11.99	7.99	3.06	0.00
Start of Calendar Year 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
Start of Water Year 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
One Year Ago 04-28-2020	78.47	21.53	11.51	5.19	0.28	0.00



April Snow Status

Despite little new snow accumulation in April, snowpack measured at higher elevation reporting basins late in the month and remained well above average over much of Washington. In Oregon, snowpack was near average around Mt Hood and northeastern Oregon. Elsewhere in Oregon snowpack has fallen well below average. Snowmelt is underway due to the dry weather and lengthening days.



April Fire Activity

The largest April incident burned over 1,600 acres in South Central Oregon (PSA NW07) in grass, brush and light timber which required a Type 3 Incident Management Team.

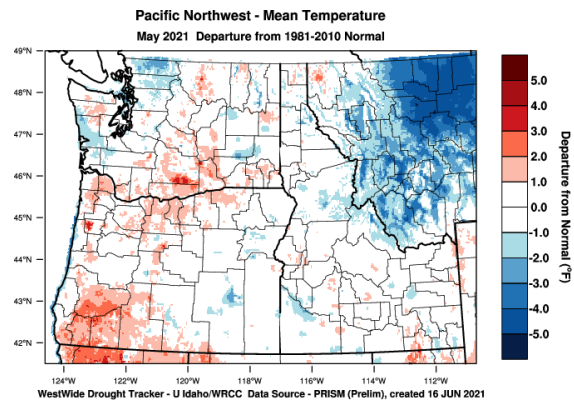
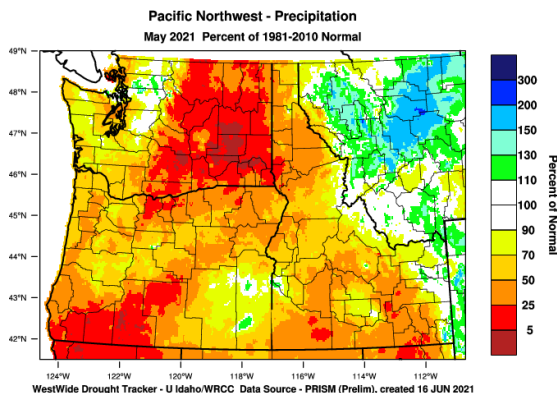
May

Weather Trends

Temperatures started above average for most of the region, but cool temperatures in the second half of the month resulted in near-normal temperatures for the month as a whole.

A portion of the Washington Cascades and a small area in southeastern Oregon received average precipitation, while the rest of the region got less than 50% of normal accumulation. Most of eastern Washington and southwestern Oregon saw less than 10% of average for the month.

May Monthly Temperature and Precipitation Anomalies



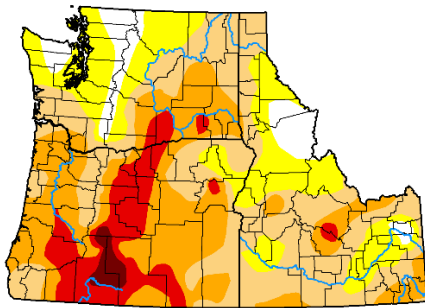
**May Fuel Conditions**

Fuel moistures trended towards minimum values in some of the PSAs for Central Oregon and Washington. All PSAs showed a signature of below average heavy fuel moisture. Some relief arrived in the third week of the month to improve smaller diameter dead fuels. The moisture had minimal effect on the large fuels.

**May Drought Status**

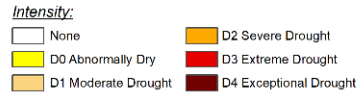
Drought conditions continued to worsen through the month. All of Oregon was at least abnormally dry, with 72% of the state experiencing severe drought conditions, 26% at extreme, and 4% now in exceptional drought. Washington was a little better off, but 87% of the state was in at least abnormally dry conditions and 21% in severe drought.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**May 25, 2021**  
(Released Thursday, May. 27, 2021)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	57.55	42.45	21.80	11.67	3.59	0.42
<b>Last Week</b> <small>05-18-2021</small>	57.55	42.45	21.21	11.32	3.13	0.42
<b>3 Months Ago</b> <small>02-23-2021</small>	66.66	33.34	11.70	6.87	1.75	0.00
<b>Start of Calendar Year</b> <small>12-29-2020</small>	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> <small>09-29-2020</small>	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> <small>05-26-2020</small>	79.05	20.95	14.18	6.05	0.82	0.00

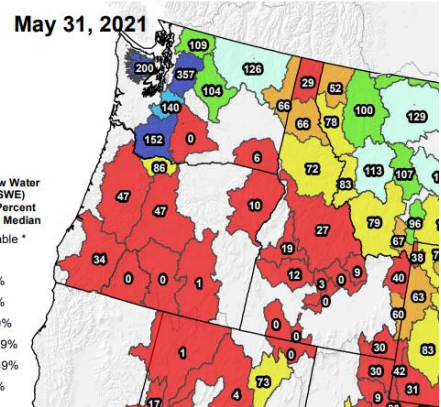


**May Snow Status**

Snowmelt was underway due to the dry weather and lengthening days. Most of Washington’s mountains as well as Mt. Hood in Oregon still had above normal snowpack, but Oregon’s basins now had snow water equivalent between 0% and 47% of seasonal normals, with some gains in the last week of May.

**May Fire Activity**

Wildfire activity in May remained light overall. Human-caused starts from debris burning, agricultural burning and recreation fires accounted for most of the incidents. A total of approximately 200 fires were reported and nearly 1,700 acres burned. The largest incident burned over 800 acres in south central Oregon (PSA NW07) in timber, brush, and activity fuels.



**June**

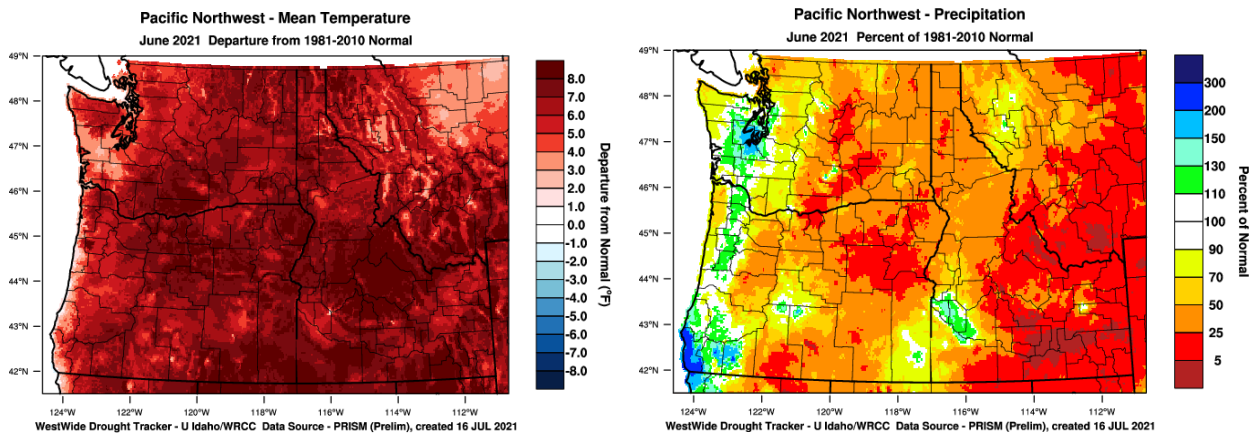
**Weather Trends**

Weather conditions varied widely in June. The month began with a warm and dry spell that was quickly replaced by a phase of cool and moist weather that provided welcome rain for much of the west side around the middle of the month. The last half of June saw a return to warming and drying that culminated in a record-setting heat wave in the last week of the month. Despite the cool and wet spell

during much of the first half of June, temperatures ended up well above average on both sides of the Cascades. Sections of western Oregon, central Oregon, southeastern Oregon and eastern Washington recorded the warmest June on record.

Precipitation for the month was above average for sections of the west side, especially in southwest Oregon during the cool and moist spell early in the month. Limited areas of southeastern Oregon also tallied above normal rainfall for the month due to thunderstorms. Elsewhere, the amount of precipitation recorded in June was well below normal, especially east of the Cascades in both Oregon and Washington.

**June Temperature and Precipitation Anomalies**



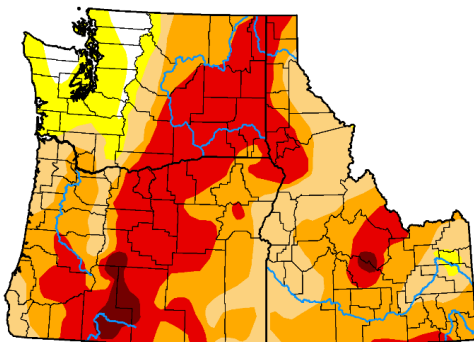
**June Fuel Conditions**

Heavy dead fuel moisture was well below average for most PSAs early in June and some record low values were reached. However, rainfall moderated heavy dead fuel moisture significantly in PSAs NW01, NW02, NW03, NW04, NW05, and NW06 by the middle of the month. Nonetheless, the record heat late in the month brought a trend of record setting indices and in turn the heavy fuels lost moisture at a steady rate.

**June Drought Status**

Despite some rainfall, drought conditions worsened slightly across the region with more areas added to the “Exceptional Drought” designation during June.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**June 29, 2021**  
(Released Thursday, Jul. 1, 2021)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	60.94	39.06	26.77	19.94	9.63	0.64
<b>Last Week</b> 06-22-2021	61.06	38.94	25.87	17.50	6.68	0.64
<b>3 Months Ago</b> 03-30-2021	56.90	43.10	11.06	5.54	1.55	0.00
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 06-30-2020	83.19	16.81	11.96	6.76	0.62	0.00

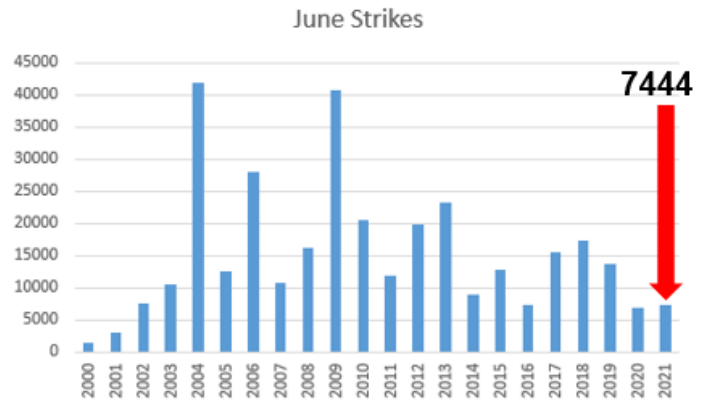
**Intensity:**  
 None (White)      D2 Severe Drought (Orange)  
 D0 Abnormally Dry (Yellow)      D3 Extreme Drought (Red)  
 D1 Moderate Drought (Light Orange)      D4 Exceptional Drought (Dark Red)

**June Lightning**

NWCC recorded 7,444 strikes across the geographic area in June. This is 48% of the 2000-2020 average. The most active 24-hour period was June 14<sup>th</sup> to 15<sup>th</sup> with 1,967 strikes.

**June Fire Activity**

Several significant fires were observed in June in central Oregon (PSAs NW06 and NW07) and northeastern Oregon (PSA NW11). Over 10,000 acres burned in June, with most of the acres coming from grass fires in Washington. The fires in central and south central Oregon were in the size class that required Type 2 and Type 3 incident management teams to be activated.



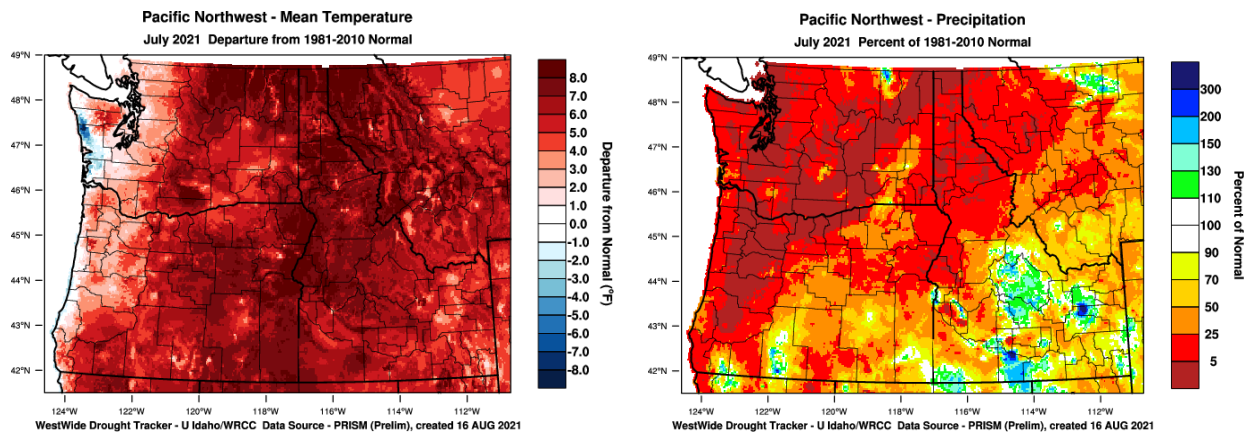
**July**

**Weather Trends**

July was hot and dry in the Pacific Northwest, continuing a months-long stretch of above average temperatures and below average precipitation. The entire geographic area showed a significant warm anomaly through most of the month, until in the final week of the month, west side temperatures fell slightly below average and east side temperatures fell slightly above average.

Except for a couple areas in southeastern Oregon, precipitation was essentially absent across the area until monsoonal moisture brought much needed precipitation to parts of central and eastern Oregon in the final week of July.

**July Monthly Temperature and Precipitation Anomalies**



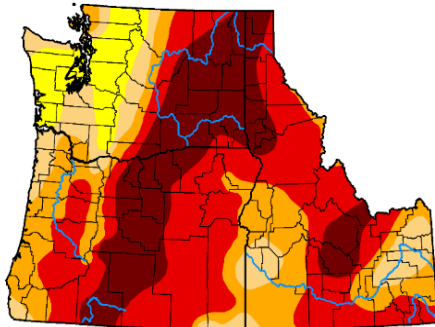
**July Fuel Conditions**

Heavy dead fuel moisture was well below average for most PSAs early in June and some record low values were reached. However, rainfall moderated heavy dead fuel moisture significantly in PSAs NW01, NW02, NW03, NW04, NW05, and NW06 by the middle of the month. The record heat late in the month brought a trend of record setting indices and in turn the heavy fuels lost moisture at a steady rate.

**July Drought Status**

Drought conditions continued to worsen across most of the region in July with more areas added to the “Exceptional Drought” category. Only parts of western Washington saw some drought reduction. Drought monitor trends since 2020 reveal the western region was currently experiencing the most widespread and severe drought since the Drought Monitor program began.

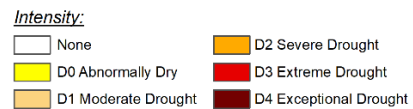
**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**July 27, 2021**  
(Released Thursday, Jul. 29, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	50.51	49.49	31.70	24.24	17.95	7.18
<b>Last Week</b> 07-20-2021	49.64	50.36	33.10	23.64	14.50	5.34
<b>3 Months Ago</b> 04-27-2021	58.64	41.36	17.00	7.45	1.73	0.26
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 07-28-2020	79.72	20.28	11.79	7.27	1.46	0.00



**July Lightning**

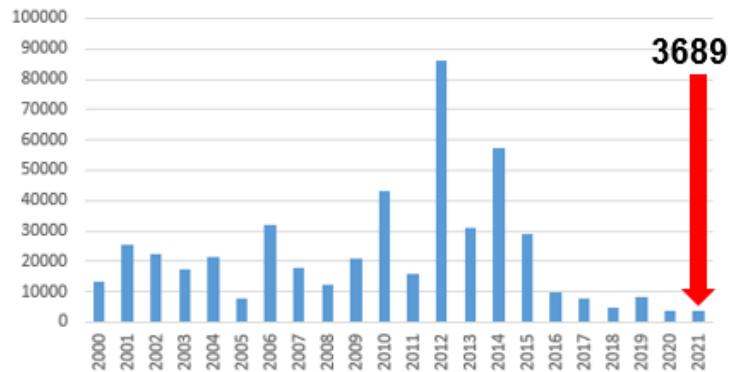
NWCC recorded 3,689 strikes in July. That is 16% of the 2000-2020 average. The most active 24-hour period was July 1<sup>st</sup> to 2<sup>nd</sup> with 1,120 strikes.

**July Fire Activity**

The geographic area experienced a rapid increase in large fire activity from dry lightning in mid-July. Upwards of 40 fires per day were being reported near the middle of the month when the workload became unsustainable for local resources to manage. Several significant fires broke out in PSA NW06, NW07, NW11 as well as west side PSAs NW03 and NW04. Significant fire activity surged upward again around July 27<sup>th</sup> from more lightning.

A number of Incident Management Teams were mobilized, and the Northwest geographic area elevated to Preparedness Level 5 on July 14<sup>th</sup>. The Bootleg Fire in PSA NW07 showed periods of extreme fire behavior and extreme growth and at one point was the largest fire in the nation.

**July Strikes**



## August

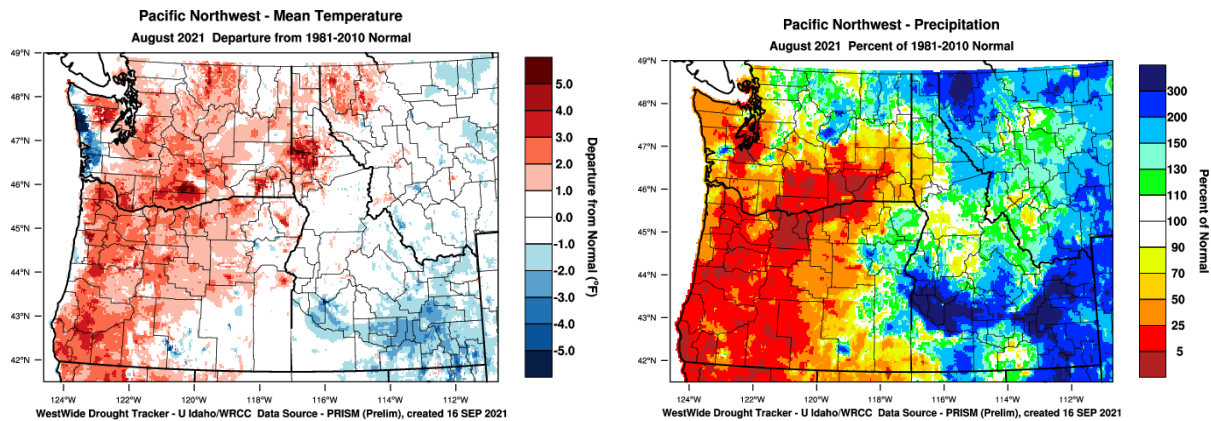
### Weather Trends

Temperatures varied significantly through August. A cooling trend arrived during the first week of the month that pushed temperatures below normal everywhere except southern Oregon. A significant warming and drying trend followed which pushed temperatures to record maximum values for nearly all the PSAs by the middle of the month. Another cooling trend returned for the last half of the month which pushed temperatures below average.

Rainfall varied across the region. The western two thirds of Oregon and much of southwest Washington accumulated well under normal totals for the month. However, the eastern third of Oregon and the northeastern third of Washington accumulated well above normal rainfall from thunderstorms associated with a surge of monsoonal moisture arriving from the Great Basin. Rainfall was boosted by the arrival of incoming troughs from the Pacific which enhanced thunderstorm precipitation or brought rain associated with frontal systems.

Precipitation observed during August over eastern Washington and eastern Oregon was insufficient to affect the severity of “Exceptional Drought” designations from the US Drought Monitor already existing in both states.

### August Monthly Temperature and Precipitation Anomalies



### August Fuel Conditions

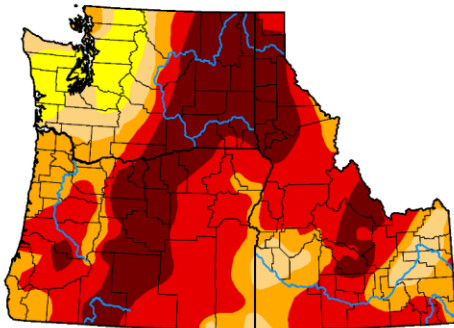
Heavy dead fuel moisture was well below average for most PSAs through mid-August. A few near record low values were reached while indices like ERC reached maximums in several areas. The heat wave in the middle of the month lowered fuel moisture and raised indices prior to lightning arriving over the Cascades. South-central Oregon had a fuels and fire behavior advisory extended for the third time. The 1000-hour fuels transitioned to full consumption levels on fires in Washington.

Live fuels concluded their seasonal cycle at lower and middle elevations across the geographical area. However, at high elevations live fuels provided some resistance to spread on north slopes and through meadows and riparian areas.

**August Drought Status**

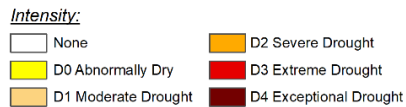
Precipitation observed during August over eastern Washington and eastern Oregon was insufficient to affect the severity of Exceptional drought designations already existing in those areas. Extreme and Exceptional drought designations in western Oregon continued to expand in August.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**August 31, 2021**  
(Released Thursday, Sep. 2, 2021)  
Valid 8 a.m. EDT

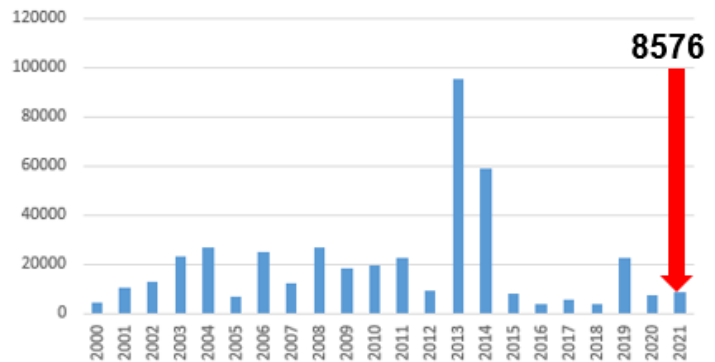
	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	70.14	29.86	27.95	25.17	19.38	8.28
<b>Last Week</b> 08-24-2021	61.19	38.81	27.95	25.13	18.65	8.16
<b>3 Months Ago</b> 06-01-2021	57.14	42.86	23.12	12.45	3.59	0.42
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 09-01-2020	57.35	42.65	13.67	8.06	2.06	0.00



**August Lightning**

NWCC recorded 8,576 strikes in August. That is 43% of the 2000-2020 average. The most active 24-hour period was August 3<sup>rd</sup> to 4<sup>th</sup> with 2,147 strikes.

August Strikes



**August Fire Activity**

The geographic area continued to have large fire activity which was produced by lightning over western Oregon and northern Washington. Early in the month, Oregon received lightning, which generated several new starts along the west slopes of the Cascades from the Mount Hood area down to the Umpqua Divide. Some of these new fires were adjacent to current managed large fires that impacted strategic planning greatly. Initial attack activity and extended attack activity taxed teams in place as multiple new starts were merged into four complexes. Washington followed suit in the middle of the month as more fires started in north central Washington, and again incident management teams were mobilized, or existing teams inherited new starts to manage. The cooling spell at the end of the month lowered the daily fire activity from around 15 to 20 starts a day to 10 or less.

**September**

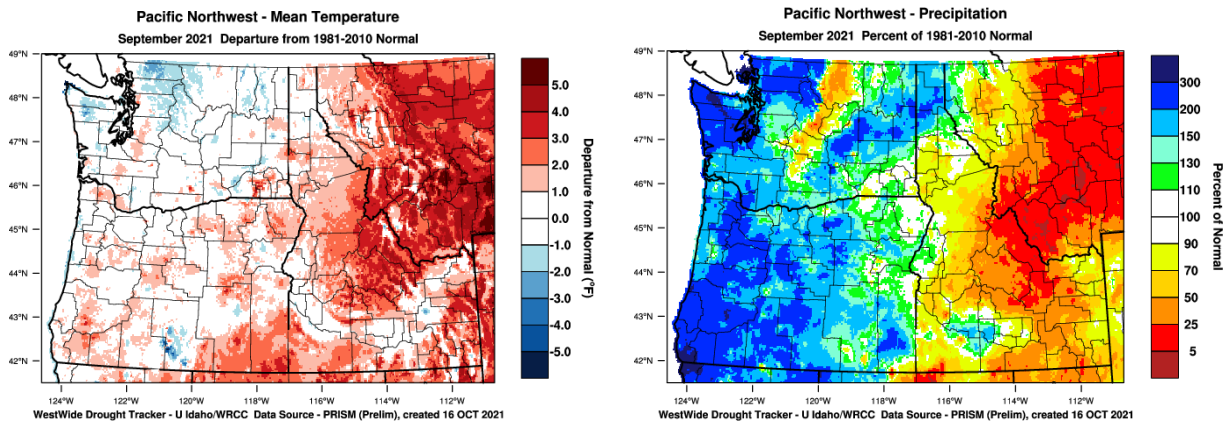
**Weather Trends**

In contrast to much of the summer of 2021, temperature varied widely in September but ended up averaging close to normal for much of the Northwest geographic area. The month started off cooler than typical but then warmed well above average during the second week of the month before falling

below normal for much of the remainder of the month. The cool spell that began after the middle of the month brought record low temperatures in some Predictive Service Areas.

Rainfall in September accumulated well above average over the Northwest geographic area from several potent Pacific cold frontal systems, an ‘atmospheric river’ event, as well as a strong southerly surge of subtropical moisture east of the Cascades around September 10<sup>th</sup>. Only the east slopes of the Washington Cascades and the Palouse area tallied less than normal precipitation for the month.

**September Monthly Temperature and Precipitation Anomalies**



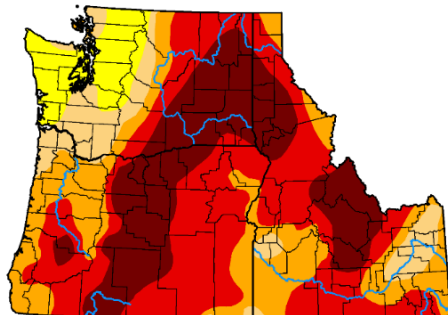
**September Fuel Conditions**

Large dead fuel moisture improved following significant rains with the frequent onshore flow of weather systems. At the beginning of the month reporting stations were showing most large dead fuels in the lower ten percentile range but that improved to the upper 40 percentile range after exposure to rain. Perennial fuels did not respond as well with the moisture received. Fuel moisture sampling sites in central Oregon started to improve, but still remained below average. The fuels in this area needed extended exposure to precipitation to recover.

**September Drought Status**

Despite rain in September sufficient to reduce fire danger, drought conditions continued across both Oregon and Washington. Over 50 percent of the region remained in “extreme” or “exceptional” drought status as of late September.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**September 28, 2021**  
(Released Thursday, Sep. 30, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	70.14	29.86	27.67	24.87	18.54	7.83
<b>Last Week</b> 09-21-2021	70.14	29.86	27.67	24.87	18.54	7.76
<b>3 Months Ago</b> 06-29-2021	60.94	39.06	26.77	19.94	9.63	0.64
<b>Start of Calendar Year</b> 12-28-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00
<b>One Year Ago</b> 09-29-2020	61.33	38.67	15.70	9.48	4.51	0.00

**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought



### September Lightning

NWCC recorded 2,637 strikes in September. That is 32% of the 2000-2020 average. The most active 24-hour period was August 9<sup>th</sup> to 10<sup>th</sup> with 1,248 strikes.



### September Fire Activity

September fire starts were well below average due to the contribution of cool, wet weather and dropping fire danger. Lightning and human ignitions in both Oregon and Washington were below average. South central Oregon had more continued large fire activity with the emergence of a new large fire by Lakeview, OR. The extremely dry fuels and strong winds allowed the fire to travel over 15 miles in two days. South central Oregon fires continued to exhibit extreme fire behavior, while the rest of the incidents in the geographic area had moderate fire behavior.

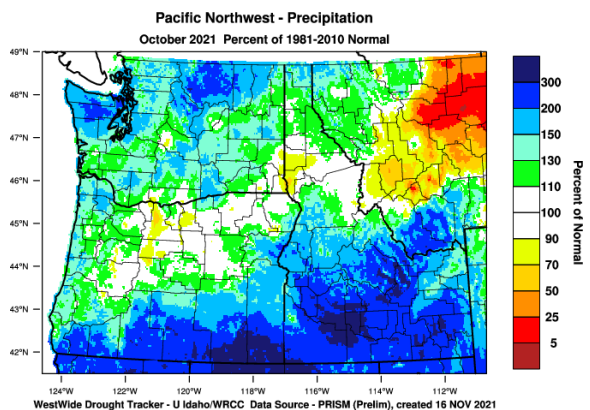
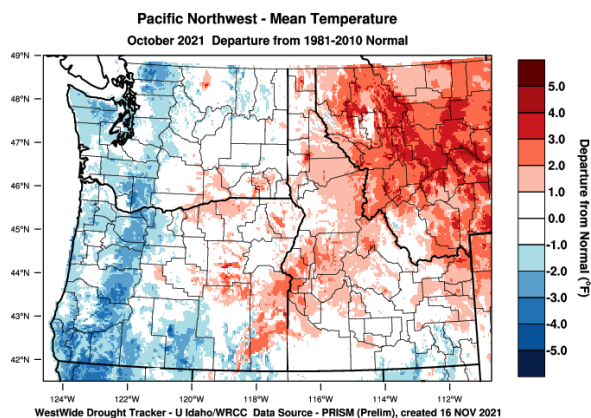
## October

### Weather Trends

Pacific frontal systems moved across the Northwest geographic area at intervals during October 2021 bringing precipitation to all areas. By the end of the month, precipitation totals were above average across much of the region with some areas in northern Washington and southern Oregon well above average.

Temperature during October were below average west of the Cascades and average or slightly above average east of the Cascades. Snow began accumulating at some reporting basins throughout southern Oregon and northern Washington.

### October Monthly Temperature and Precipitation Anomalies



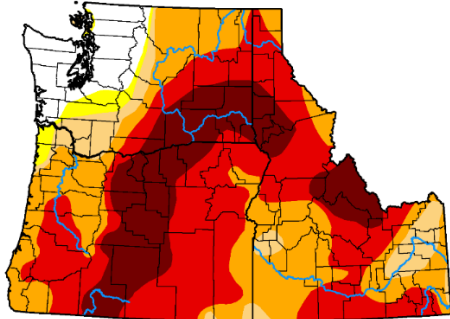
### October Fuel Conditions

Large dead fuels continued to moisten and remained at average or above average levels in October. Perennial fuels did start to respond well to the rainfall received. Snow began to accumulate at upper elevations.

**October Drought Status**

Drought designations were removed from much of western Washington due to rains in October and areas of extreme and exceptional drought were reduced in Oregon.

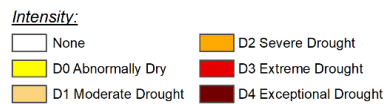
**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**October 26, 2021**  
(Released Thursday, Oct. 28, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	72.51	27.49	26.84	24.79	16.63	5.91
<b>Last Week</b> 10-19-2021	72.19	27.81	26.83	24.79	18.03	7.29
<b>3 Months Ago</b> 07-27-2021	50.51	49.49	31.70	24.24	17.95	7.18
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-28-2021	70.14	29.86	27.67	24.87	18.54	7.83
<b>One Year Ago</b> 10-27-2020	68.12	31.88	15.14	9.75	5.03	0.00



**October Fire Activity**

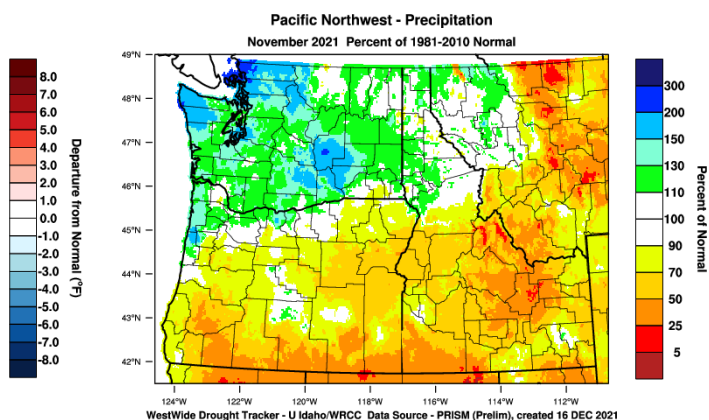
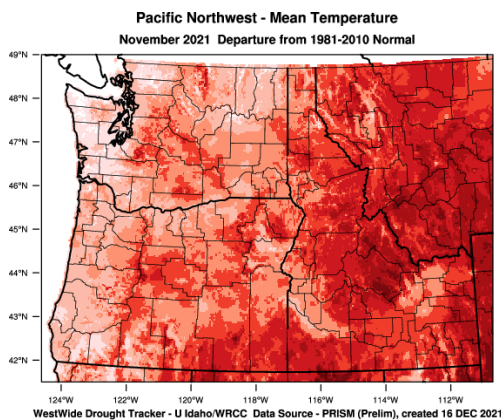
October daily initial attack fire starts were below average due to recurrent frontal systems moving across the geographic area with moisture. The number of daily starts was around 5 with fire sizes averaging under 20 acres. Initial attack acres tallied around 400 acres for the month from debris burning and campfires. Washington and Oregon tallied approximately 120 starts. Wet conditions at the beginning of the month favored rapid containment of existing large fires. The handful of existing large fires (primarily in western Oregon) managed by Type 1 & 2 Incident Management Teams steadily transitioned to local management teams.

**November**

**Weather Trends**

The entire geographic area was warmer than typical in November. Washington and extreme northwest Oregon were wetter than typical due to a persistent southwesterly jet stream with a procession of moist warm frontal systems. Flooding was reported in western Washington. The remainder of Oregon was generally drier than typical, especially along the California border.

**November Monthly Temperature and Precipitation Anomalies**



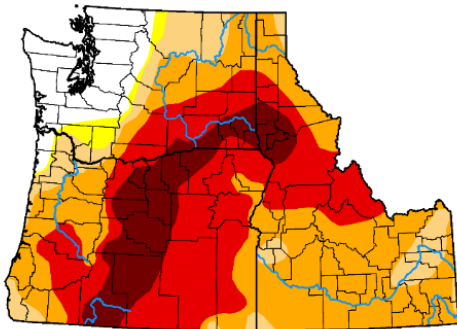
**November Fuel Conditions**

Heavy dead fuel moisture at the key RAWS stations rose to average or above average levels which virtually eliminated the potential for new significant incidents.

**November Drought Status**

Extreme northwest Oregon was removed from drought designation but otherwise conditions over the region in November were little changed from those in October.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**November 30, 2021**

(Released Thursday, Dec. 2, 2021)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	73.13	26.87	26.29	23.24	12.49	3.72
<b>Last Week</b> 11-23-2021	73.13	26.87	26.29	23.24	12.49	3.72
<b>3 Months Ago</b> 08-31-2021	70.14	29.86	27.95	25.17	19.38	8.28
<b>Start of Calendar Year</b> 12-29-2020	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> 09-26-2021	70.14	29.86	27.67	24.87	18.54	7.83
<b>One Year Ago</b> 12-01-2020	71.96	28.04	13.33	9.20	4.34	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**November Fire Activity**

The typical decline in initial attack activity in autumn continued through November at a below average level. 25 incidents were reported with acreages averaging only 0.10 acres.

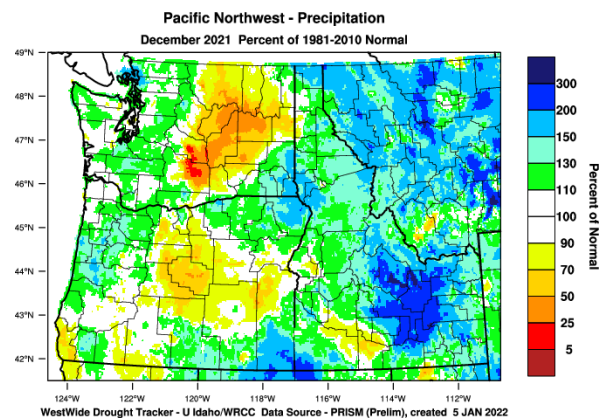
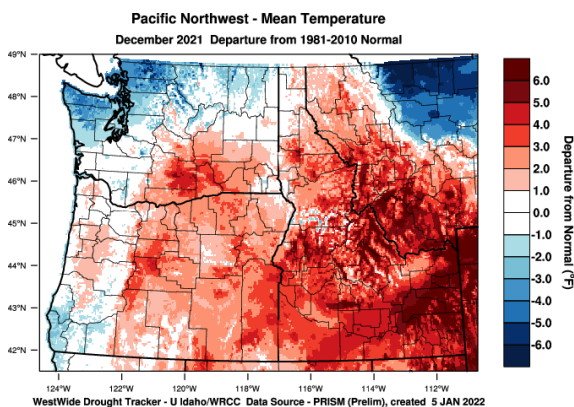
**December**

**Weather Trends**

December started with warmer than average temperatures for much of the northwest, turning decidedly colder for the second half of the month. Much of the region received above normal precipitation during the month, but portions of Washington and Oregon east of the Cascades continued to lag behind normal precipitation accumulation.

As of December 28th, snow accumulation was reported near or above average for almost all reporting basins in the region. Only the John Day and Middle Snake basins in eastern Oregon lagged behind at 82% and 89% of normal accumulation reported respectively.

**December Monthly Temperature and Precipitation Anomalies**



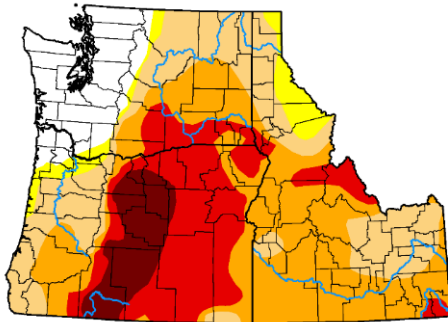
**December Fuel Conditions**

Large dead fuel moisture in most PSAs rose to average or above average.

**December Drought Status**

Drought conditions showed some improvement on the west side of the region, southeastern Washington and northeastern Oregon as well.

**U.S. Drought Monitor  
USDA Northwest Climate Hub**



**December 28, 2021**  
(Released Thursday, Dec. 30, 2021)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	73.74	26.26	24.87	17.87	8.30	2.16
<b>Last Week</b> <i>12-21-2021</i>	73.74	26.26	25.55	20.57	10.12	2.17
<b>3 Months Ago</b> <i>09-28-2021</i>	70.14	29.86	27.67	24.87	18.54	7.83
<b>Start of Calendar Year</b> <i>12-29-2020</i>	73.72	26.28	13.40	9.17	3.53	0.00
<b>Start of Water Year</b> <i>09-28-2021</i>	70.14	29.86	27.67	24.87	18.54	7.83
<b>One Year Ago</b> <i>12-29-2020</i>	73.72	26.28	13.40	9.17	3.53	0.00

**Intensity:**

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

**December Fire Activity**

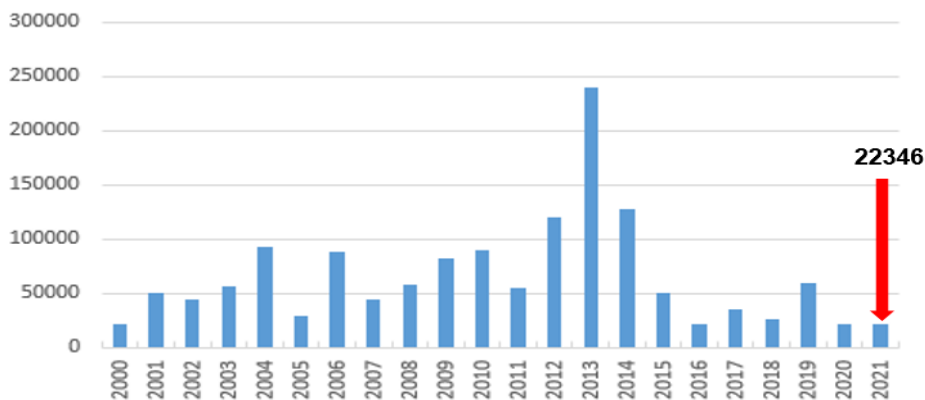
Only a handful of fire starts were reported in December with no control problems reported.

**NW Lightning Summary**

NWCC recorded 22,346 strikes over the entire Northwest geographic area in fire season 2021. That is 33% of the 2000-2020 average.

**Chart 3: NW Lightning Total Strikes (by Year)**

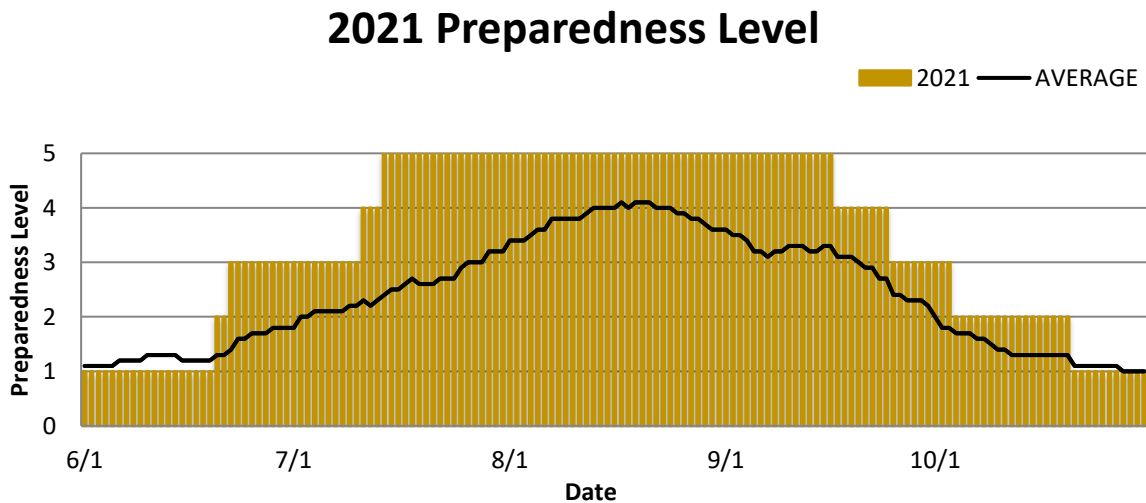
**Fire Season 2021 Lightning Summary  
June, July, August, September**



## NW Preparedness Review

The Northwest once again set historic Preparedness Level (PL) records in 2021. The first change to the PL occurred on June 20<sup>th</sup>, from PL 1 to PL 2. Due to an early season heat wave and a continued dry weather pattern, resulting in an increase of fire activity and a commitment of resources quickly provided conditions causing the PL to increase relatively quickly moving from PL 2 to PL 3 on June 22<sup>nd</sup>, then to PL 4 on July 11<sup>th</sup> and finally to PL 5 on July 14<sup>th</sup>. The Northwest remained at PL 5 for a new record of 65 consecutive days before dropping to PL 4 on September 17<sup>th</sup>. The previous record for days at PL 5 was set back in 2017, recording 40 consecutive days. As fall conditions set into the Northwest, allowing fire personnel to reach containment on remaining large fires and sustained light initial attack, the Preparedness Level made its trend downward reaching PL 1 on October 20<sup>th</sup> and remaining there for the rest of the year.

Chart 4: 2021 Preparedness Level vs. 10-Year Average (June 1 – Oct. 31)



**Middle Fork Complex – August 16<sup>th</sup> (OR-WIF)**



**FIRE STATISTICS & MAPS**

Data in this section comes from the Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2021. The information represented below display fire statistics based on the **protecting agency, not land ownership**, and intended to provide a geographic area perspective of annual fire activity across all agencies/partners and may not reflect official figures for a specific agency. For agency specific details and/or official agency figures, contact the respective agency. SIT Reporting for the NW is confined within the Oregon and Washington state boundaries with small portions of neighboring states (ID, NV and CA) where geographic area boundaries deviate from state boundaries. In the NW, Sit Reporting captures state and federally protected wildlands (except DOD and DOE). County & Local (C&L) detailed reporting is limited for C&L fires, and generally captures only fires greater than 300 acres in size.

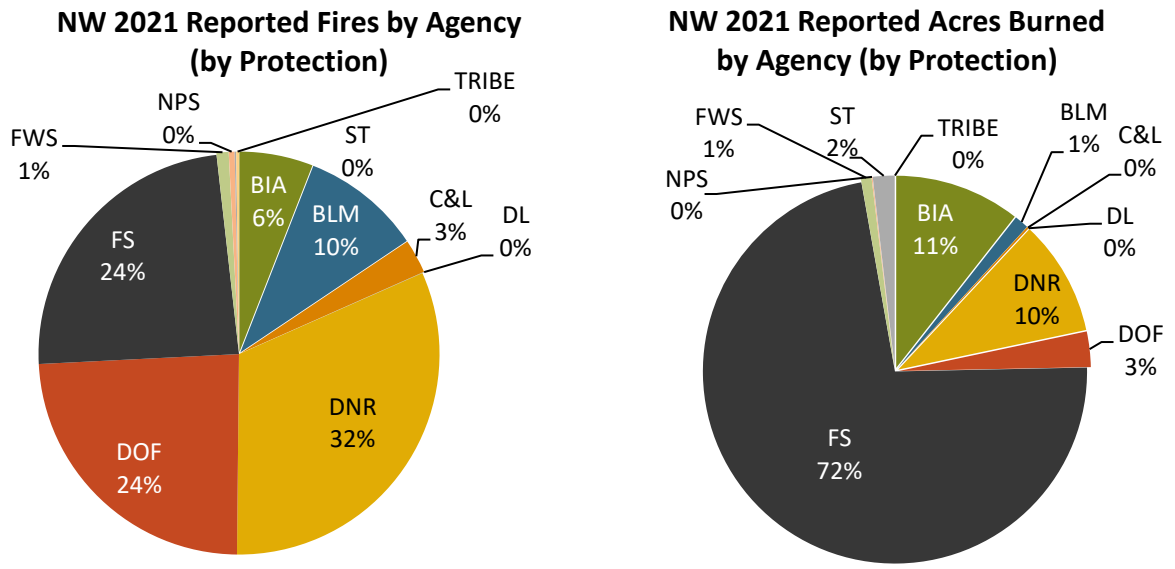
**2021 NW Fires & Acres**

The table below represents the 2021 fire summary by Agency and State. The total number of fire occurrences in the Northwest continues to reach near the 10-Year average mark, whereas the total acres burned remains well above, reaching to 125% of the 10-Year average. For the full Year-end Situation Report by individual Units refer to *Appendix, NW Situation Report*.

**Table 1: 2021 NW Fires & Acres by State & Agency (by Protecting Agency)**

State	Agency	Human		Lightning		Total	
		Fires	Acres	Fires	Acres	Fires	Acres
Idaho	FS	0	0	1	0	1	0
<b>Idaho Total</b>		<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
Oregon	BIA	79	12,755	3	1	82	12,756
	BLM	149	2,114	178	11,967	327	14,081
	C&L	26	1,653	3	1	29	1,654
	DL	1	0	0	0	1	0
	DOF	797	33,687	183	11,175	980	44,862
	FS	376	127,097	391	628,214	767	755,310
	FWS	4	93	1	0	5	93
	NPS	3	1	8	20	11	21
<b>Oregon Total</b>		<b>1,435</b>	<b>177,400</b>	<b>767</b>	<b>651,378</b>	<b>2,202</b>	<b>828,778</b>
Washington	BIA	121	1,934	39	144,445	160	146,379
	BLM	66	1,702	1	2,321	67	4,023
	C&L	83	825	0	0	83	825
	DNR	1,200	111,745	95	34,559	1,295	146,304
	FS	118	41,580	92	293,172	210	334,752
	FWS	34	13,299	1	0	35	13,299
	NPS	6	988	2	164	8	1,152
	ST	3	16,243	2	11,245	5	27,488
	TRIBE	9	27	0	0	9	27
<b>Washington Total</b>		<b>1,640</b>	<b>188,343</b>	<b>232</b>	<b>485,906</b>	<b>1,872</b>	<b>674,249</b>
<b>Grand Total</b>		<b>3,075</b>	<b>365,743</b>	<b>1,000</b>	<b>1,137,284</b>	<b>4,075</b>	<b>1,503,027</b>

Charts 5/6: NW 2021 Reported Fires & Acres by Agency as a Percentage of the Total



Current & Historical Fires & Acres (Oregon & Washington)

Chart 7: NW 2021 Reported Fires vs. 10-Year Average

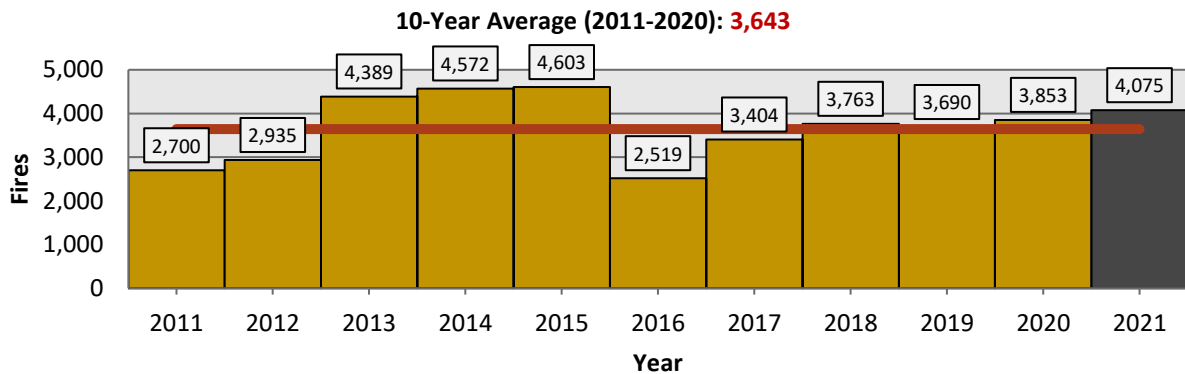
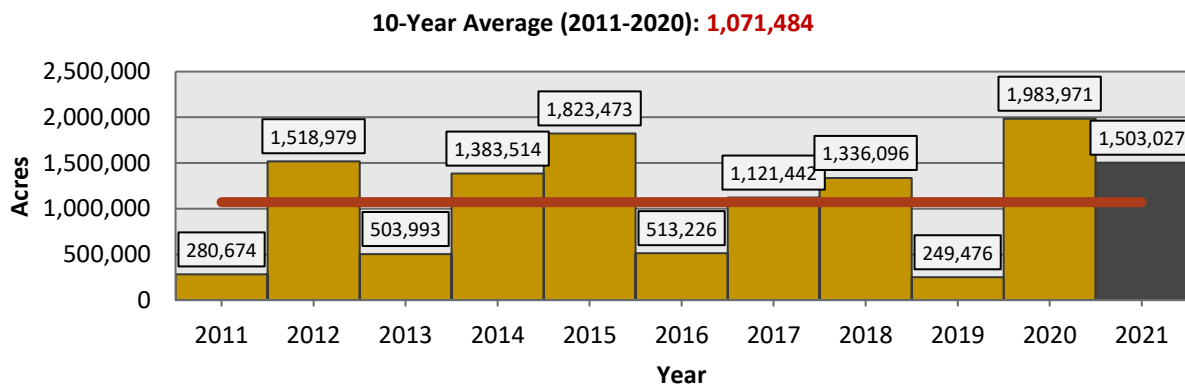
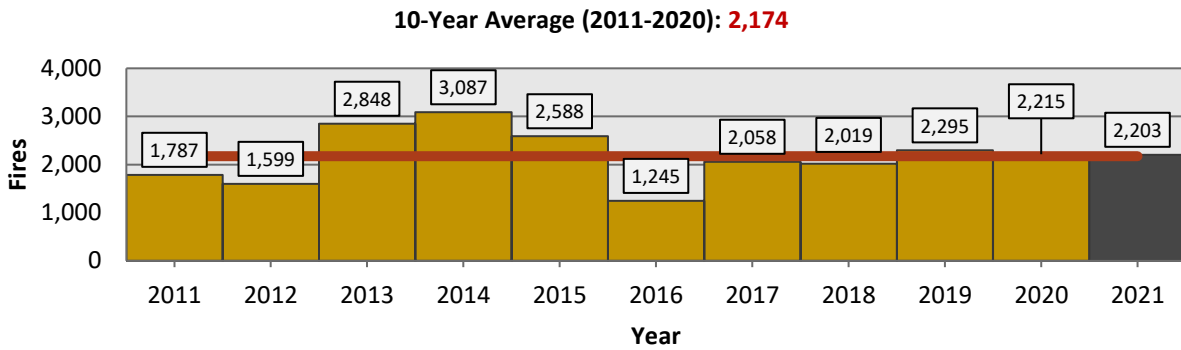


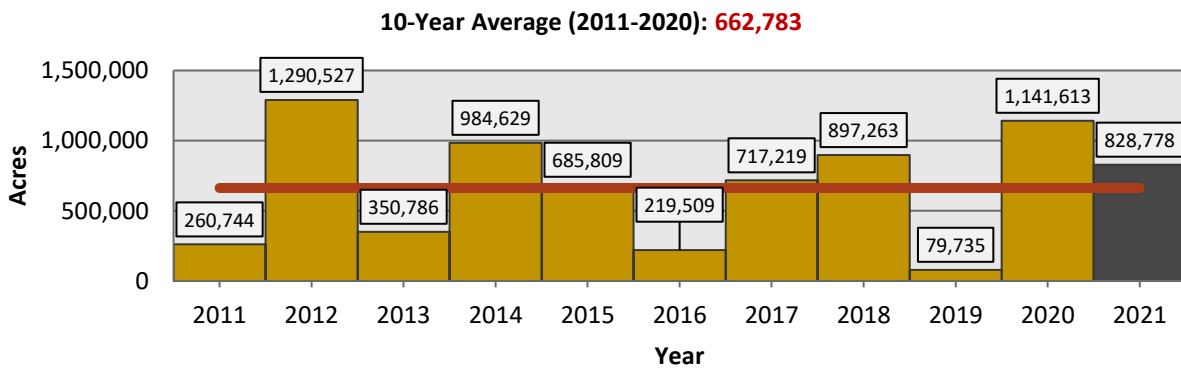
Chart 8: NW 2021 Reported Acres Burned vs. 10-Year Average



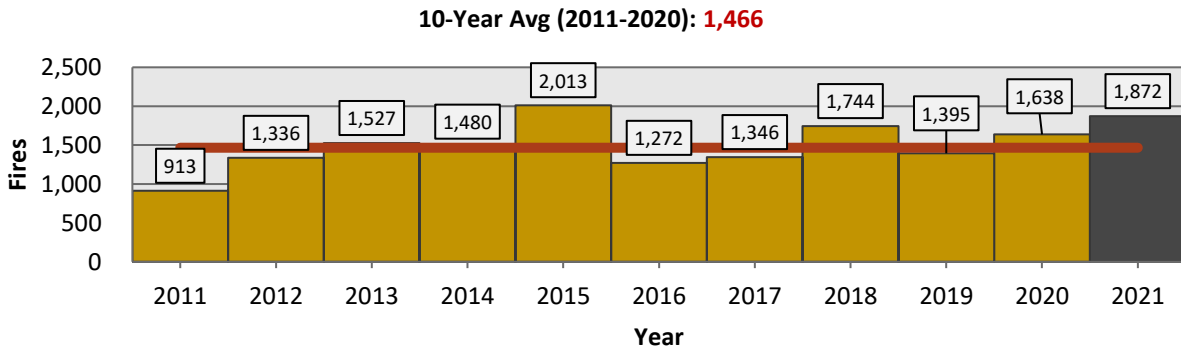
**Chart 9: Oregon 2021 Reported Fires vs. 10-Year Average**



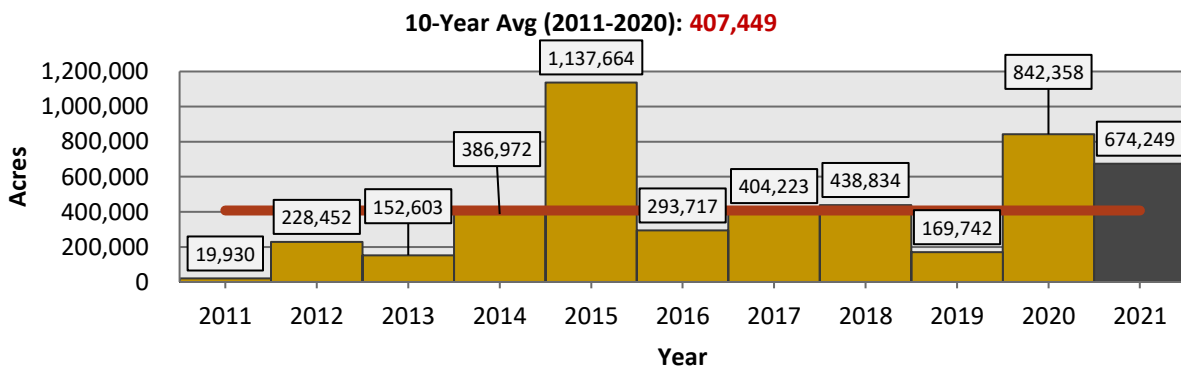
**Chart 10: Oregon 2021 Reported Acres Burned vs. 10-year Average**



**Chart 11: Washington 2021 Reported Fires vs. 10-Year Average**



**Chart 12: Washington 2021 Reported Acres Burned vs. 10-Year Average**

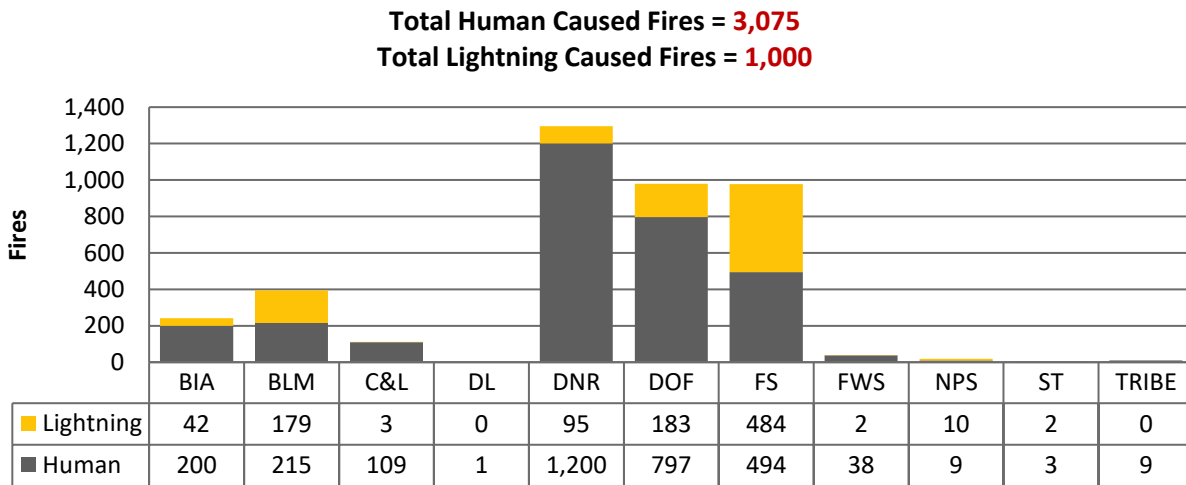




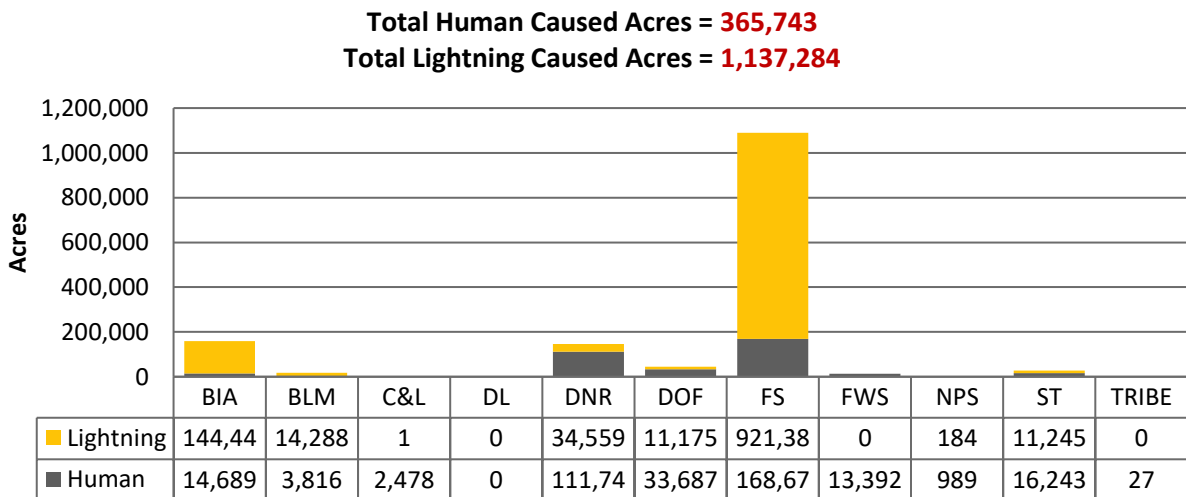
### Fires & Acres by Cause

The 2021 fire season observed over 3 times the number of human caused fires compared with lightning caused fires, whereas lightning caused acres was over 3 times the amount that of human caused acres. These figures far exceed their counterparts in the 10-year average ratio of fire causes and acres, where the number of human caused fires is 1.7 times that of lightning caused fires, and 0.7 times the amount of human caused acres compared with lightning caused acres.

**Chart 13: NW 2021 Reported Fires & Cause (by Protecting Agency)**

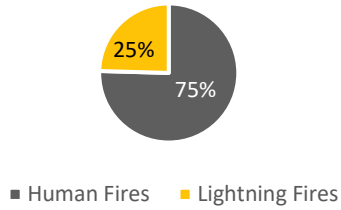


**Chart 14: NW 2021 Reported Acres Burned & Cause (by Protecting Agency)**

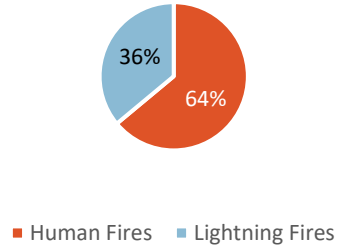


**Charts 15/16: NW 2021 Reported vs 10 Yr. Average Fires & Acres by Cause**

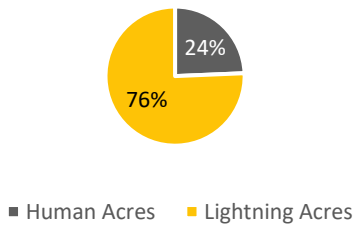
2021 NW Human vs. Lightning  
Number of Fires as a Percentage of Total



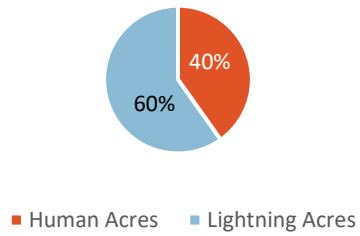
10 Year Average, NW  
Human vs. Lightning No. of Fires



2021 NW Human vs. Lightning  
Acres Burned as a Percentage of Total



10 Year Average, NW  
Human vs. Lightning  
Acres Burned



**Bootleg Fire – July 7<sup>th</sup> (OR-FWF)**

**Cub Creek 2 Fire – July 19<sup>th</sup> (WA-OWF)**



## NW 2021 Incident Summary

Source: Listed incidents have met any of the ICS-209 reporting criteria (refer to Ch. 60 of NW Mob Guide for criteria). Listed by management strategy then start date, as reported on the final ICS-209 submitted. Chosen management strategy(ies) may have changed over the duration of the fire. Individual fires within complexes are not listed. Containment dates are based on best available information. Per the National Mob Guide, an incident is considered a Large Fire if the fire is 100 acres or larger in timber, 300 acres or larger in grass/brush, or when a Type 1 or Type 2 IMT is assigned. Incidents listed below are considered Large Fires unless an asterisk (\*) is marked after Incident Name.

† Unit ID Acronyms see *Appendix, Unit Identifiers*. \*\*IMT=Highest level assigned to incident \*\*\* Cause: H=Human, L=Lightning, U=Undetermined.

\*\*\*\*Fuel; B=Brush, G=Grass, T=Timber.

**Table 2: Oregon Incidents by Management Strategy**

Management Strategy	Incident Name	Incident Unit ID†	Start Date	Contain Date	IMT**	Cause***	Fuel****	Acreage	PSA	Location	
Full Suppression	Bull Springs 0041 OD	OR-955S	3/28	3/30	3	H	T	211	6	5 mi NW of Bend, OR	
	Ponina	OR-982S	4/18	4/23	3	U	T	1,641	7	7 mi NE of Beatty, OR	
	Meadow	OR-FWF	5/5	5/12	3	H	B	832	7	9 mi NE of Chiloquin, OR	
	Sycan River	OR-FWF	5/30	6/5	3	H	T	679	7	20 mi NE of Beatty, OR	
	Mehl Creek	OR-731S	6/1	6/11	3	H	T	110	3	3 mi W of Elkton, OR	
	Dry Creek	OR-WWF	6/4	6/30	2	L	B	1,564	11	37 mi N of Enterprise, OR	
	Joseph Canyon	OR-VAD	6/4	7/15	2	L	G	7,610	11	23 mi S of Lewiston, ID	
	S-503	OR-WSA	6/18	8/18	2	H	T	6,680	6	5 mi SW of Pine Grove, OR	
	Cutoff	OR-981S	6/19	6/30	1	U	T	1,288	7	6 mi N of Bonanza, OR	
	Wrentham Market	OR-954S	6/29	7/3	2	U	G	7,222	6	6 mi E of Dufur, OR	
	Lewis Rock	OR-952S	6/30	7/12	1	L	T	368	6	4 mi SE of Mitchel, OR	
	Rattlesnake	OR-WSA	6/30	6/25	3	U	G	5,479	6	12 mi SE of Warm Springs, OR	
	Ryegrass 0444RS	OR-PRD	6/30	7/4	3	L	T	1,102	6	6 mi SE of Paulina, OR	
	Black Mountain	OR-OCF	7/1	7/5	3	L	T	150	6	10 mi SE of Mitchell, OR	
	Sunset Valley	OR-954S	7/1	7/4	2	H	G	987	6	1 mi SSE of The Dalles, OR	
	Upton	OR-BUD	7/1	7/3	3	L	G	1,500	12	40 mi E of Burns, OR	
	Dixie Creek	OR-952S	7/3	7/10	3	L	T	541	11	3 mi NW of Dufur, OR	
	Jack Fire	OR-UPF	7/5	11/15	1	H	T	24,165	4	20 mi east of Glide, OR	
	Bootleg (includes Log)	OR-FWF	7/6	8/14	1	L	T	413,717	7	15 mi NW of Beatty, OR	
	Grandview	OR-955S	7/11	7/25	1	H	T	6,032	6	10 mi NE Sister, OR	
	Bruler	OR-WIF	7/12	9/14	2	U	T	195	3	9 mi S of Detroit, OR	
	Darlene	OR-PRD	7/13	7/25	2	H	T	686	7	1 mi E of La Pine, OR	
	Elbow Creek	OR-UMF	7/15	9/24	1	U	T	22,960	11	31 mi SE of Walla Walla, WA	
	Race Horse	OR-VAD	7/22	7/24	4	H	G	512	12	9 mi W of Harper, OR	
	Rough Patch Complex	OR-UPF	7/27	11/29	1	U	T	50,409	3	26 mi SE of Cottage Grove, OR	
	Applegate Complex *	OR-711S	7/29	8/4	3	L	T	50	4	SW Jackson County, OR	
	Deep Creek 0685 RN	OR-PRD	7/29	8/3	3	L	G	1,250	6	21 mi N of Madras, OR	
	Middle Fork Complex	OR-WIF	7/29		1	U	T	30,929	3	9 mi N of Oakridge, OR	
	Cottonwood Creek	OR-952S	7/30	8/7	3	L	T	159	6	5 mi S of Fossil, OR	
	Johnson Ridge 0700 RN	OR-PRD	7/30	8/3	3	L	G	772	6	9 mi NW of Shaniko, OR	
	Skyline Ridge Complex	OR-732S	8/1	8/30	1	L	T	5,760	4	5 mi E of Canyonville, OR	
	Bull Complex	OR-MHF	8/2	11/22	2	U	T	24,894	2	12 mi NE of Detroit, OR	
	Black Butte	OR-MAF	8/3	9/27	2	L	B	22,445	11	25 mi S of Unity, OR	
	Devils Knob Complex	OR-UPF	8/3	10/18	1	L	T	70,110	4	5 mi NE of Tiller, OR	
	MM 206	OR-VAD	8/4	8/7	4	L	B	694	12	8 mi W of Juntura, OR	
	Mud Springs	OR-VAD	8/4	8/8	4	L	B	517	12	12 mi NW of Juntura, OR	
	Bean Creek	OR-DEF	8/5	8/15	3	L	T	147	6	20 mi W of Jackson, OR	
	Knoll	OR-WIF	8/5	8/21	1	L	T	544	4	7 mi NE of McKenzie Bridge, OR	
	Walrus	OR-981S	8/5	8/14	1	L	T	75	7	10 mi N of Bonanza, OR	
	Yainax	OR-981S	8/5	8/14	1	U	T	84	7	10 mi NE of Bonanza, OR	
	Spring Creek	OR-WWF	8/6	8/8	4	L	G	143	10	12 mi NW of LaGrande, OR	
	Fox Complex	OR-FWF	8/13	9/1	1	U	T	9,754	7	14 mi W of Lakeview, OR	
	Twin Peaks	OR-VAD	8/17	8/18	4	L	B	450	10	13 mi NW McDermitt, NV	
	Cougar Peak	OR-FWF	9/8	10/21	2	U	T	91,810	7	15 mi NW of Lakeview, OR	
	Big Meadow	OR-BUD	9/9	9/22	2	L	T	2,643	12	10 mi N of Riley, OR	
	<b>Oregon Count</b>										<b>Total Acres</b>
	45										819,870

**Table 3: Washington Incidents by Management Strategy**

Management Strategy	Incident Name	Incident Unit ID <sup>+</sup>	Start Date	Contain Date	IMT <sup>+</sup>	Cause <sup>+</sup>	Fuel <sup>+</sup>	Acreage	PSA	Location
Full Suppression	Hair Road	WA-WWLN	6/21	6/22	4	U	G	7,255	10	33 mi SW of Rescott, WA
	Koffman Road	WA-SES	6/27	6/27	4	H	G	425	10	4 mi E of Kittitas, WA
	Lind	WA-WFS	6/27	6/28	4	U	G	2,100	10	1 mi E of Lind, WA
	Batterman RD	WA-WFS	7/4	7/13	2	H	G	7,900	9	East Wenatchee, WA
	Andrus	WA-NES	7/5	7/11	3	H	T	300	10	3 mi NE of Cheney, WA
	Dry Gulch	WA-SES	7/7	8/28	1	L	G	55,102	10	2 mi SW of Asotin, WA
	Green Ridge	OR-UMF	7/7	10/13	1	L	T	43,694	11	30 mi E of Walla Walla, WA
	Lick Creek	OR-UMF	7/7	8/26	1	L	T	25,536	11	15 SE of Pomeroy, WA
	Silcott	WA-WFS	7/7	7/11	3	L	B	8,633	11	2 mi W of Asotin, WA
	Cedar Creek	WA-OWF	7/8	11/29	1	L	T	55,842	8	5 mi SW of Mazama, WA
	Whitehall Road	WA-SPD	7/8	7/10	4	L	G	800	10	18 mi SW of Coulee City, WA
	Burbank	WA-MCR	7/10	7/14	3	H	G	13,000	5	8 mi NE of Yakima, WA
	Delancy	WA-OWF	7/11	9/29	1	L	T	223	8	4 mi W of Mazama, WA
	Varden	WA-OWF	7/11	7/14	2	L	T	700	8	5 mi SW of Mazama, WA
	Chuweah Creek Fire	WA-COA	7/12	8/30	2	L	B	36,752	8	15 mi N of Grand Coulee, WA
	Summit Trail	WA-COA	7/12	10/1	2	L	T	51,328	9	17 mi W of Inchelium, WA
	Red Apple	WA-SES	7/13	7/25	1	H	G	12,288	5	3 mi SE of Cashmere, WA
	Cub Creek 2	WA-NES	7/16	9/13	1	H	G	70,168	8	5 mi N of Winthrop, WA
	Goddard Road	WA-NES	7/16	7/27	3	H	T	815	9	2 mi NE of Rice, WA
	Sherwood	WA-SPA	7/21	9/16	2	H	T	1,256	9	2 mi N of Wellpinit, WA
	Steptoe Canyon	WA-WFS	7/21	7/27	3	L	G	2,605	10	5 mi SW of Colton, WA
	Northrup	WA-SPD	7/22	8/4	3	H	G	247	10	7 mi E of Coulee City, WA
	Nelson Creek	WA-NES	7/23	9/17	3	H	T	154	10	3 mi SW of Elk, WA
	Spruce Canyon	WA-NES	7/23	8/7	3	H	T	130	9	15 mi E of Colville, WA
	Hazard Hill	WA-NES	7/25	9/17	3	H	T	121	9	5 mi N of Spokane, WA
	Bear Creek	WA-NCP	7/30	9/27	4	U	T	986	1	30 mi N of Marblemount, WA
	Hamilton	WA-COA	8/3	9/15	4	L	T	400	8	8 mi W of Nespelem, WA
	Moe Canyon	WA-SES	8/3	8/11	3	L	T	161	5	10 mi NW of Entiat, WA
	Walker Creek (includes Spur)	WA-NES	8/3	10/15	2	H	T	23,733	8	2 mi SE of Bonaparte Lake, WA
	Whitmore	WA-COA	8/3	10/6	2	L	T	57,460	8	18 mi SE of Omak, WA
	Chickadee Creek	WA-NES	8/4	9/17	2	L	T	5,855	8	15 mi W of Tonasket, WA
	Johnson Lake	WA-COA	8/4	8/11	4	L	T	185	8	5 mi NW of Nespelem, WA
	Muckamuck	WA-COF	8/4	9/16	1	L	T	13,297	8	3 mi NE of Conconully, WA
Nine Mine	WA-NES	8/4	8/19	3	L	T	164	9	4.5 mi SE of Laurier, WA	
Schneider Springs	WA-OWF	8/4	11/3	1	L	G	107,118	5	20 mi NW of Naches, WA	
Upper Lime Creek	WA-COA	8/4	9/15	2	L	T	376	9	6 mi N of Keller, WA	
Windy Pass	WA-NES	8/4	9/3	2	L	T	82	5	10 mi S of Cle Elum, WA	
Bulldog Mountain	WA-COF	8/5	11/17	2	L	T	5,490	9	20 mi N of Kettle Falls, WA	
Mack Mountain	WA-COF	8/5	11/17	2	L	T	1,233	9	15 mi of Kettle falls, WA	
Ford Corkscrew	WA-NES	8/15	9/17	2	H	T	15,777	9	21 mi NW of Spokane, WA	
Twentyfive Mile	WA-OWF	8/15	10/19	1	U	T	22,117	8	12 mi NW of Chelan, WA	
Beezley	WA-SPD	8/31	9/3	4	H	B	388	10	7 mi NE of Quincy, WA	
The Bone Place	WA-COA	9/26	10/15	3	H	T	300	8	1 mi N of Mitchell Point, WA	
Confine	Cedar Hills *	WA-WFS	6/28	9/20	3	U	B	20	1	3 mi N of Maple Valley, WA
	Atkinson *	WA-OWF	8/4	8/17	5	L	T	0	5	13 mi N of Lake Wenatchee, WA
Monitor	Moraine Lake	WA-NCP	8/4	9/27	4	L	T	164	1	20 mi East of Marblemount, WA
	Downey Lake *	WA-MSF	8/4	9/28	5	L	T	0	1	20 mi E of Darrington, WA
	Dickerman *	WA-MSF	8/5	9/28	5	L	T	0	1	24 mi E of Granite Falls, WA
	Miller River *	WA-MSF	8/5	9/21	5	L	T	0	1	7 mi SW of Skykomish, WA
	South Salmon *	WA-MSF	8/5	9/21	4	L	T	0	1	6 mi NE of Index, WA
	Fern Creek 1 *	WA-MSF	8/6	9/28	5	L	T	0	1	16 mi SE of Darrington, WA
Monitor, Confine	Diamond Lake *	WA-MSF	8/20	9/24	5	L	T	0	1	17 mi ESE of Darrington, WA
	Pincer Creek	WA-MSF	8/3	10/12	4	L	T	980	1	15 mi E of Marblemount, WA
Confine, Full Suppression	Penders Canyon *	WA-MSF	8/13	10/12	4	L	T	30	1	15 mi SE of Darrington, WA
	Nason	WA-OWF	8/4	10/19	4	L	T	1,223	5	7 mi SE of Wenatchee, WA
<b>Washington Count</b>								<b>Total Acres</b>		
55								654,913		

## NW 2021 Large Incident Summary

Source: ICS-209 Reports as reported on the final 209.

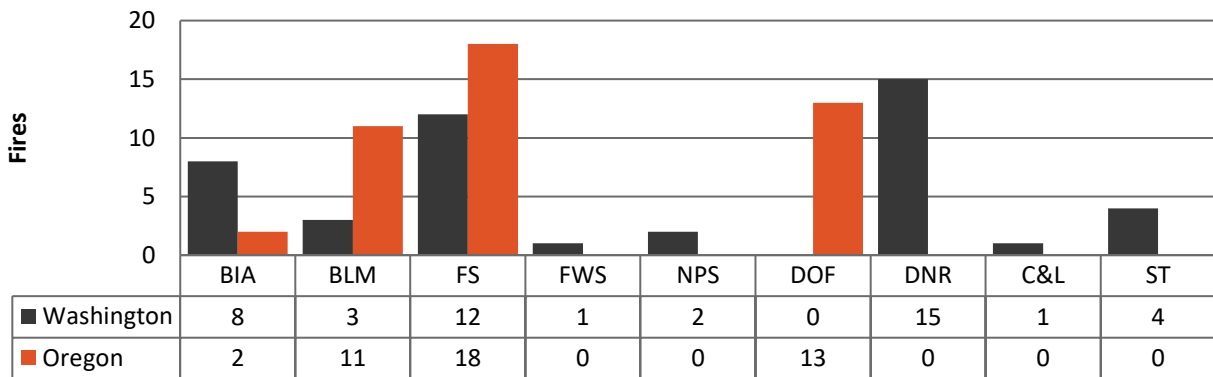
Per the National Mob Guide, an incident is considered a “Large Fire” if the fire is 100 acres or larger in timber, 300 acres or larger in grass/brush, or when a Type 1 or Type 2 IMT is assigned. The graphs below represent only the incidents from Table 2 & 3 that meet these criteria.

The first large incident of 2021 occurred in central Oregon. The Bull Springs 0041 OD incident started on March 28<sup>th</sup> on ODF protected lands. It was human caused, burned in a timber fuel type and was contained within two days on March 30<sup>th</sup> with a final size of 211 acres.

The largest incident of 2021 occurred in southcentral Oregon. The Bootleg incident started on July 6<sup>th</sup> on the Fremont-Winema National Forest and was lightning caused. The fire burned primarily in the Timber fuel type and continued to show extreme fire behavior with significant acre growth for 15 consecutive days. On July 19<sup>th</sup> the Bootleg merged with the Log incident. Multiple IMTs were assigned including four Type 1 IMTs, one Type 2 IMT, and two OSFM teams until it was finally contained on August 14<sup>th</sup> at 413,717 acres.

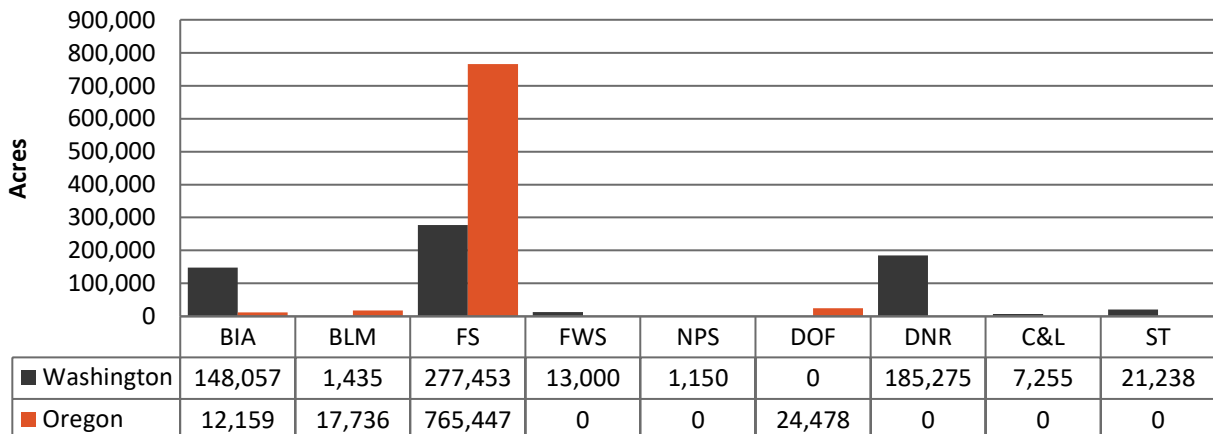
**Chart 17: NW 2021 Large Incident Summary by State & Agency**

**Total Oregon Large Incidents = 44, (10 Yr Average = 47)**  
**Total Washington Large Incidents = 46, (10 Yr Average = 37)**



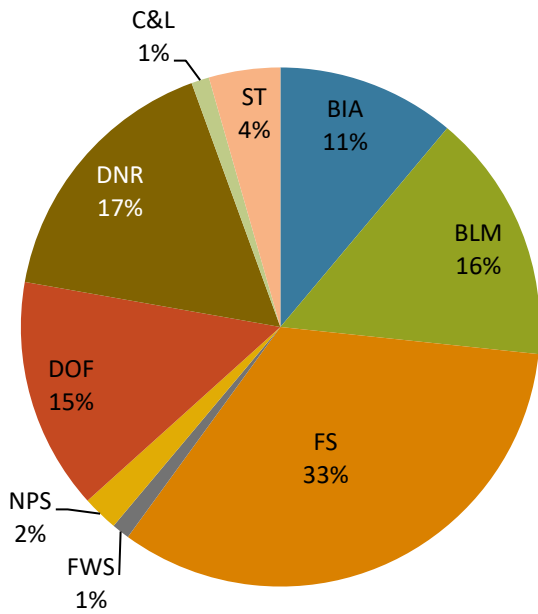
**Chart 18: NW 2021 Large Incident Acres Burned Summary by State & Agency**

**Total Oregon Large Incident Acres = 819,820, (10 Yr Average = 627,591)**  
**Total Washington Large Incident Acres = 654,863, (10 Yr Average = 410,087)**

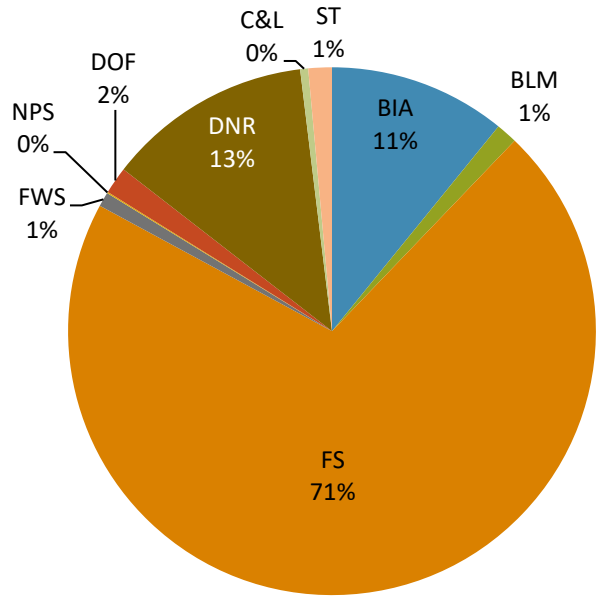


Charts 19/20: NW 2021 Large Incidents vs 10 Yr. Average by Agency, as a Percentage of the Total

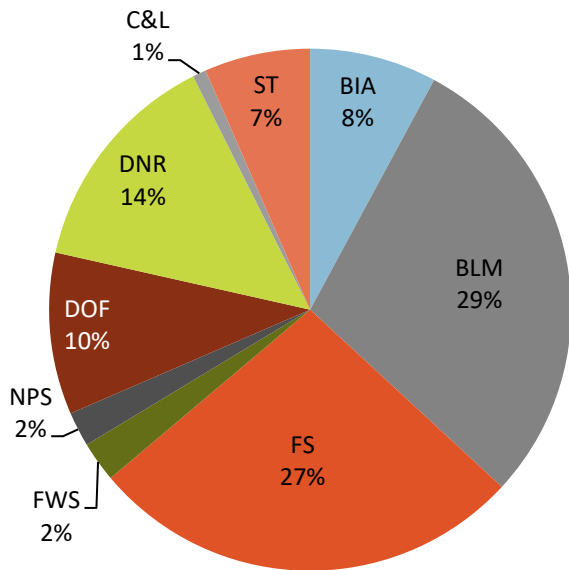
NW 2021 Large Incidents by Agency



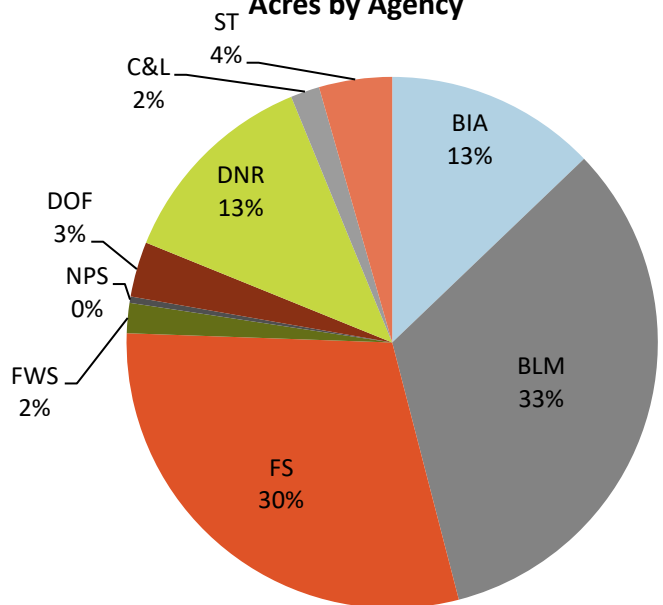
NW 2021 Large Incident Acres by Agency



10 Year Average, NW Large Incidents by Agency

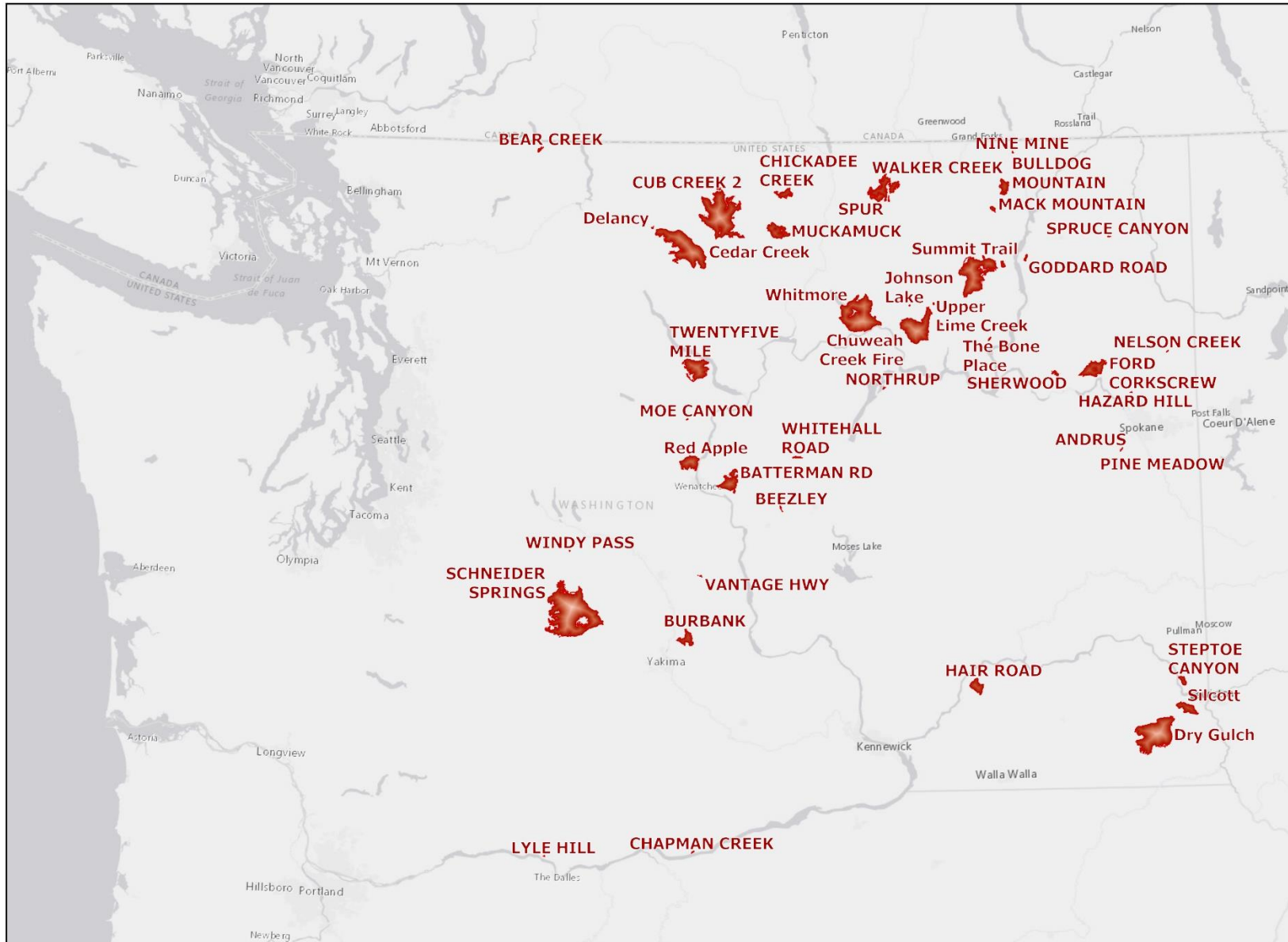


10 Year Average, NW Large Incident Acres by Agency



## NW 2021 Incident Location Maps

Map 1: Washington Incidents







**RESOURCE INFORMATION & STATISTICS**

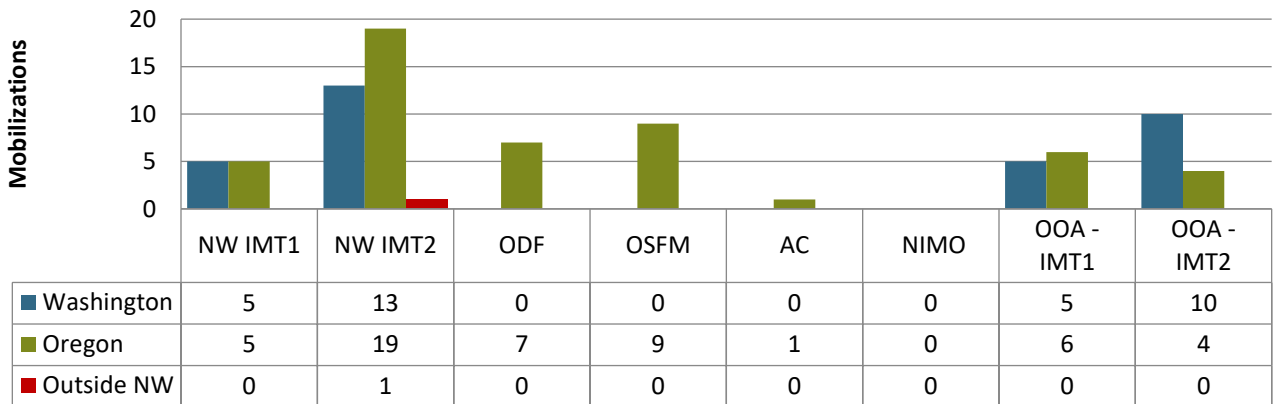
**NW Incident Management Teams Assignment History**

Source: IROC.

IMT assignment history charts represent all Northwest Geographic Area IMTs that have been mobilized to incidents within or outside the Northwest, as well as IMTs from outside the Northwest that have been mobilized to incidents within the Northwest. OOA = Out of Area

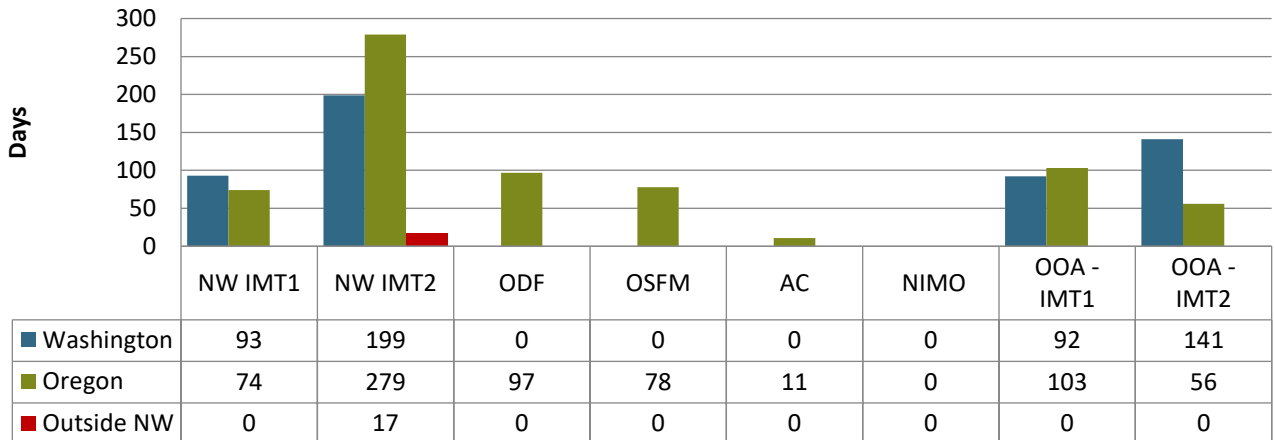
**Chart 21: 2021 NW Geographic Area IMT Mobilizations by IMT Type & State**

**Total Mobilizations within the NW = 84**  
**Total Mobilizations outside the NW = 1**



**Chart 22: 2021 NW Geographic Area IMT Days Assigned by IMT Type & State**

**Total Days Assigned within the NW = 1,240**  
**Total Days Assigned outside the NW = 17**



RESOURCE INFORMATION & STATISTICS | NW Incident Management Teams Assignment History

**Area Command**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
Area Command - Jalbert	OR-NWC	OR-NWC	2021 PNW AC Team Support	Other Support	8/18	11
<b>Total</b>						<b>11</b>

**Northwest Type 1**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
PNW Team 2 – Allen	OR-NWC	WA-FEMA	SW WA - COVID 19 Pandemic Vaccination	Public Assist - Community	2/14	11
	OR-NWC	OR-FEMA	OR - Covid Vaccination Support	Public Assist - Community	2/24	13
	OR-NWC	OR-FWF	Bootleg	Fire - Wildfire	7/12	16
	OR-NWC	OR-FWF	Bootleg/Yainax/Walrus	Fire - Wildfire	8/4	11
	OR-NWC	WA-OWF	Schneider Springs	Fire - Wildfire	8/20	23
	OR-NWC	OR-UPF	Devils Knob Complex	Fire - Wildfire	9/17	16
PNW Team 3 - Johnson	OR-NWC	WA-FEMA	SW WA - COVID 19 Pandemic Vaccination	Public Assist - Community	1/17	26
	OR-NWC	WA-UMF	Lick Creek/Green Ridge	Fire - Wildfire	7/11	17
	OR-NWC	OR-WIF	Middle Fork Complex/Knoll	Fire - Wildfire	8/5	18
	OR-NWC	WA-OWF	Twentyfive Mile	Fire - Wildfire	8/31	16
<b>Total</b>						<b>167</b>

**ODF Type 1**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
ODF Team 1 - Hessel	OR-NWC	OR-981S	Cutoff	Fire - Wildfire	6/20	9
	OR-NWC	OR-FWF	Bootleg	Fire - Wildfire	7/11	17
	OR-NWC	OR-732S	Skyline Ridge Complex	Fire - Wildfire	8/2	19
ODF Team 2 - Howard	OR-NWC	OR-955S	Grandview	Fire - Wildfire	7/12	11
ODF Team 3 - Smith	OR-NWC	OR-952S	Lewis Rock	Fire - Wildfire	7/5	7
	OR-NWC	OR-UMF	Elbow Creek	Fire - Wildfire	7/17	18
	OR-NWC	OR-FWF	Fox Complex	Fire - Wildfire	8/13	16
<b>Total</b>						<b>97</b>

**Oregon State Fire Marshall – OSFM**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
Blue Team - Magers	OR-NWC	OR-UPF	Jack Fire	Fire - Wildfire	7/6	8
	OR-NWC	OR-UMF	Elbow Creek	Fire - Wildfire	7/17	8
	OR-NWC	OR-FWF	Patton Meadow	Fire - Wildfire	8/13	9
	OR-NWC	OR-FWF	Cougar Peak	Fire - Wildfire	9/8	8
Green Team - Lighty	OR-NWC	OR-FWF	Bootleg	Fire - Wildfire	7/7	15
Red Team - Yocum	OR-NWC	OR-954S	Wrentham Market/Sunset Valley	Fire - Wildfire	6/30	6
	OR-NWC	OR-955S	Grandview	Fire - Wildfire	7/12	6
	OR-NWC	OR-FWF	Bootleg	Fire - Wildfire	7/19	10
	OR-NWC	OR-WIF	Middle Fork Complex	Fire - Wildfire	8/10	8
<b>Total</b>						<b>78</b>

RESOURCE INFORMATION & STATISTICS | NW Incident Management Teams Assignment History

**Northwest Type 2**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
<b>NW Team 6 - Sheldon</b>	OR-NWC	OR-FEMA	Jackson Co. Covid Vaccination Support	Public Assist - Community	4/23	11
	NM-SWC	SW-SWC	2021 R-3 Regional Support/ Telegraph	Fire - Wildfire	6/14	17
	OR-NWC	OR-PRD	Darlene	Fire - Wildfire	7/14	6
	OR-NWC	WA-SPA	Sherwood	Fire - Wildfire	7/24	11
	OR-NWC	OR-MAF	Black Butte	Fire - Wildfire	8/13	13
	OR-NWC	OR-WIF	Middle Fork Complex	Fire - Wildfire	9/2	23
<b>NW Team 7 - Loomis</b>	OR-NWC	OR-FEMA	Jackson Co. Covid Vaccination Support	Public Assist - Community	4/7	19
	OR-NWC	OR-BMC	Joseph Canyon/ Dry Creek	Fire - Wildfire	6/6	6
	OR-NWC	WA-UMF	Lick Creek/Dry Gulch/Green Ridge	Fire - Wildfire	7/8	13
	OR-NWC	WA-COA	Summit Trail/Chuweah Creek	Fire - Wildfire	7/29	16
	OR-NWC	WA-COF/ WA-COA	Bulldog Mtn/Mack Mtn/Summit Trail	Fire - Wildfire	8/18	17
	OR-NWC	OR-BUD/ OR-UPF	Big Meadow/Rough Patch/Jack	Fire - Wildfire	9/13	20
<b>NW Team 8 - Stock</b>	OR-NWC	OR-WSA	S-503	Fire - Wildfire	6/20	10
	OR-NWC	WA-OWF	Cedar Creek/Delancy/Cub Creek 2	Fire - Wildfire	7/12	16
	OR-NWC	OR-UPF	Devils Knob Complex	Fire - Wildfire	8/3	16
	OR-NWC	WA-UMF	Green Ridge	Fire - Wildfire	8/24	12
	OR-NWC	OR-FWF	Cougar Peak	Fire - Wildfire	9/8	16
<b>NW Team 9 - Goff</b>	OR-NWC	OR-UPF	Jack Fire	Fire - Wildfire	7/6	16
	OR-NWC	OR-WIF	Middle Fork Complex/Black Butte	Fire - Wildfire	7/30	17
	OR-NWC	WA-OWF	Cedar Creek/Delancy/Cub Creek 2	Fire - Wildfire	8/23	16
<b>NW Team 10 - Lawson</b>	OR-NWC	OR-FWF	Bootleg	Fire - Wildfire	7/7	10
	OR-NWC	OR-UPF	Jack Fire	Fire - Wildfire	7/19	16
	OR-NWC	WA-COA	Summit Trail/Chuweah Creek	Fire - Wildfire	8/10	17
	OR-NWC	WA-OWF	Schneider Springs	Fire - Wildfire	9/9	23
<b>NW Team 12 - Dimke</b>	OR-NWC	WA-WFS	NW RAC Mob Support/Batterman Rd	Fire - Wildfire	7/1	10
	OR-NWC	WA-COA	Chuweah Creek	Fire - Wildfire	7/13	16
	OR-NWC	WA-COA	Whitmore	Fire - Wildfire	8/5	16
	OR-NWC	WA-NES	Walker Creek/Chickadee Creek	Fire - Wildfire	8/24	16
	OR-NWC	OR-FWF	Cougar Peak	Fire - Wildfire	9/21	15
<b>NW Team 13 - Gales</b>	OR-NWC	OR-WIF	Bruler	Fire - Wildfire	7/13	16
	OR-NWC	OR-UPF	Rough Patch Complex/Jack Fire	Fire - Wildfire	7/31	16
	OR-NWC	OR-WIF	Middle Fork Complex	Fire - Wildfire	8/20	16
	OR-NWC	OR-MHF	Bull Complex	Fire - Wildfire	9/14	17
					<b>Total</b>	<b>495</b>



*Devils Knob Complex – September 11<sup>th</sup> (OR-UPF)*

## Resource Order Summary

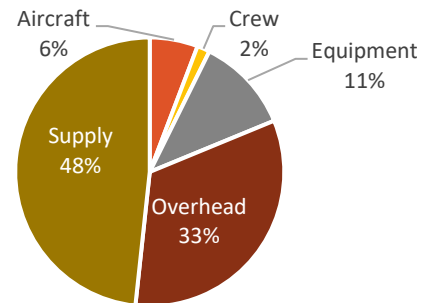
Source: IROC Reports

During 2021, the dispatch community within the Northwest entered 124,595 total requests. Of those, 86,778 were filled which equates to a 70% fill rate.

**Table 4: 2021 Northwest All Resource Order Summary**

Request Category	Enter	Place	Fill	Reassign	Release	Cancel	Cancel UTF	UTF
Aircraft	7,865	7,865	5,021	1,256	3,969	721	721	721
Crew	3,233	3,233	1,328	273	1,187	833	629	629
Equipment	14,209	14,209	9,948	1,338	9,519	2,220	618	618
Overhead	53,649	53,649	28,574	7,370	29,209	5,228	4,511	4,511
Supply	45,639	45,639	41,907	197	4,126	2,451	210	210
<b>Summary</b>	<b>124,595</b>	<b>124,595</b>	<b>86,778</b>	<b>10,434</b>	<b>48,010</b>	<b>11,453</b>	<b>6,689</b>	<b>6,689</b>

**Chart 23: 2021 Northwest Filled Request as a Percentage of Total**



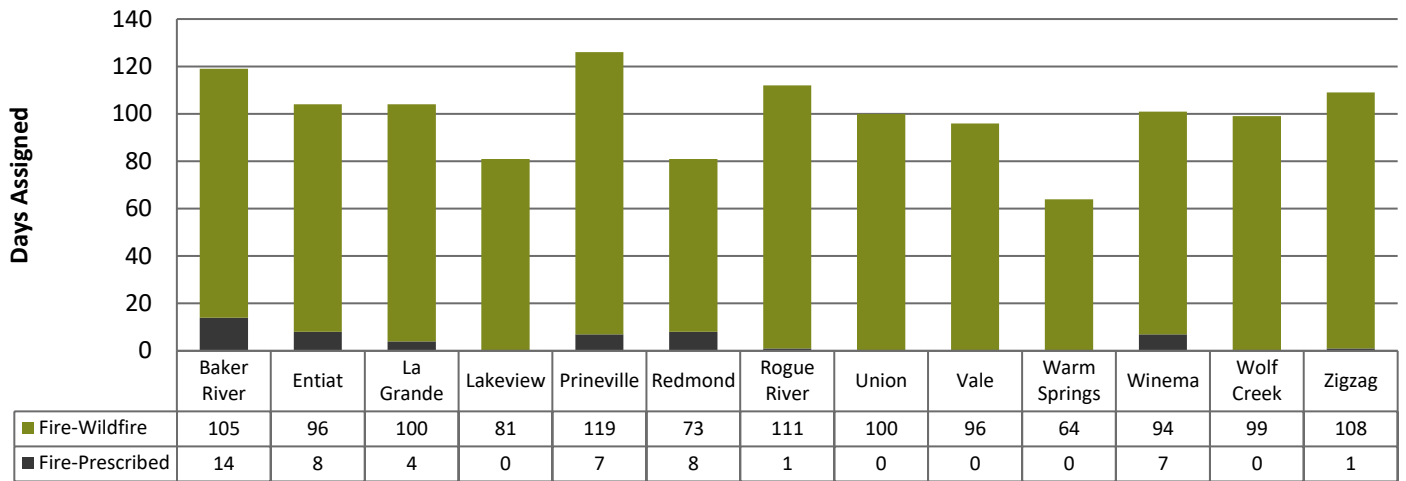
**Table 5: 2021 Resource Order Summary**

Category Name	Catalog Item Name	Enter	Place	Fill	Reassign	Release	Cancel	Cancel UTF	UTF
<b>Crews</b>									
<b>Fire</b>	Crew, Type 1	492	492	156	64	143	141	139	139
	Crew, Type 1 or 2 IA	95	95	27	18	30	17	18	18
	Crew, Type 1 or 2 Any	38	38	20	11	22	6		
	Crew, Type 2 IA	641	641	194	59	179	193	168	168
	Crew, Type 2	1152	1152	659	134	606	215	143	143
	Crew, Type 2 Any	259	259	123	41	121	57	32	32
	Crew, Type Any	132	130	61	5	60	57	8	8
	<b>Fire</b>	<b>2,809</b>	<b>2,807</b>	<b>1,240</b>	<b>332</b>	<b>1,161</b>	<b>686</b>	<b>508</b>	<b>508</b>
<b>Non-Fire</b>	Crew, Camp	318	318	91	8	91	97	102	102
	Crew, Kitchen	8	8	6	2	6			
	<b>Non-Fire</b>	<b>326</b>	<b>326</b>	<b>97</b>	<b>10</b>	<b>97</b>	<b>97</b>	<b>102</b>	<b>102</b>
<b>Crew Summary</b>		<b>3,135</b>	<b>3,133</b>	<b>1,337</b>	<b>342</b>	<b>1,258</b>	<b>783</b>	<b>610</b>	<b>610</b>
<b>Wildland Fire Modules</b>									
<b>Fire</b>	WFM, Type 1	46	46	3	0	3	9	5	5
	WFM, Type 2	142	142	48	10	48	7	22	22
<b>WFM Summary</b>		<b>188</b>	<b>188</b>	<b>51</b>	<b>10</b>	<b>51</b>	<b>16</b>	<b>27</b>	<b>27</b>
<b>Engines</b>									
<b>Fire</b>	All Types	4947	4947	2987	737	2807	668	304	304
<b>Engine Summary</b>		<b>4,947</b>	<b>4,947</b>	<b>2,987</b>	<b>737</b>	<b>2,807</b>	<b>668</b>	<b>304</b>	<b>304</b>

## NW Interagency Hotshot Crews

Source: IROC Reports.

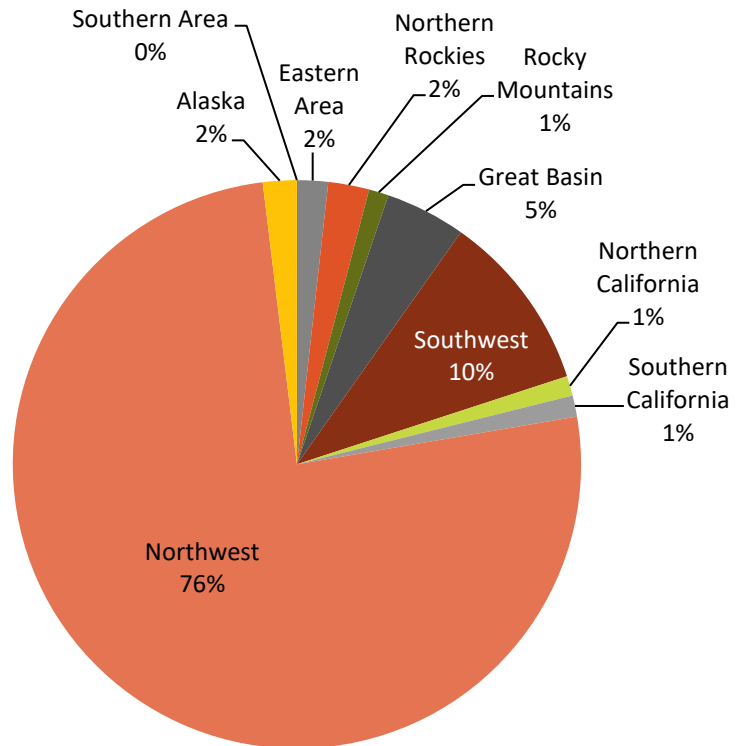
**Chart 24: 2021 IHC Days Assigned to Incidents**



**Table 6: 2021 IHC Days Assigned & Percentage of Total by Geographic Area**

GACC	Days	%
Southern Area	0	0%
Eastern Area	22	2%
Northern	29	2%
Rockies		
Rocky Mountain	14	1%
Great Basin	57	5%
Southwest	127	10%
Northern California	14	1%
Southern California	15	1%
Northwest	944	76%
Alaska	24	2%
<b>Total</b>	<b>1,246</b>	<b>100%</b>

**Chart 25: 2021 IHC Days Assigned by Geographic Area as a Percentage of the Total**



## NW Smokejumpers

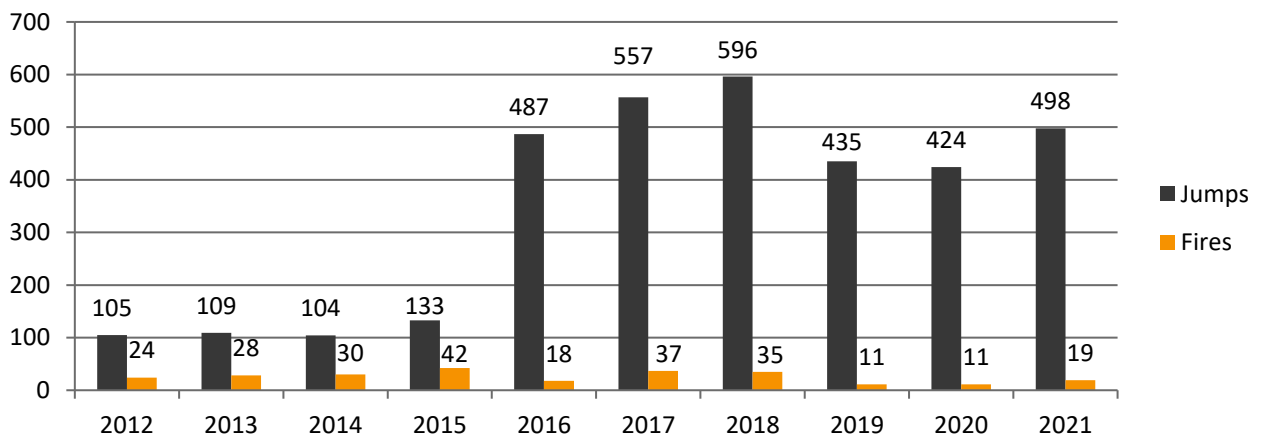
### North Cascades Smokejumpers

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

In summary, 13 fires were jumped out of NCSB in 2021, and an additional 6 fires were staffed by NCSB jumpers as either detailers or boosters. The first fire jump occurred on June 14<sup>th</sup> and the last on September 6<sup>th</sup>. Nationally the North Cascades Smokejumpers conducted 498 total jumps and spent 1,158 days on assignment with 1 loss of time injury.

In 2021 NCSB employed 25 smokejumpers with 24 returning jumpers and 1 rookie. The jump ship was on contract from May 17<sup>th</sup> through September 15<sup>th</sup>.

**Chart 26: NCSB Smokejumper's 10-Year Fire Jump Count**



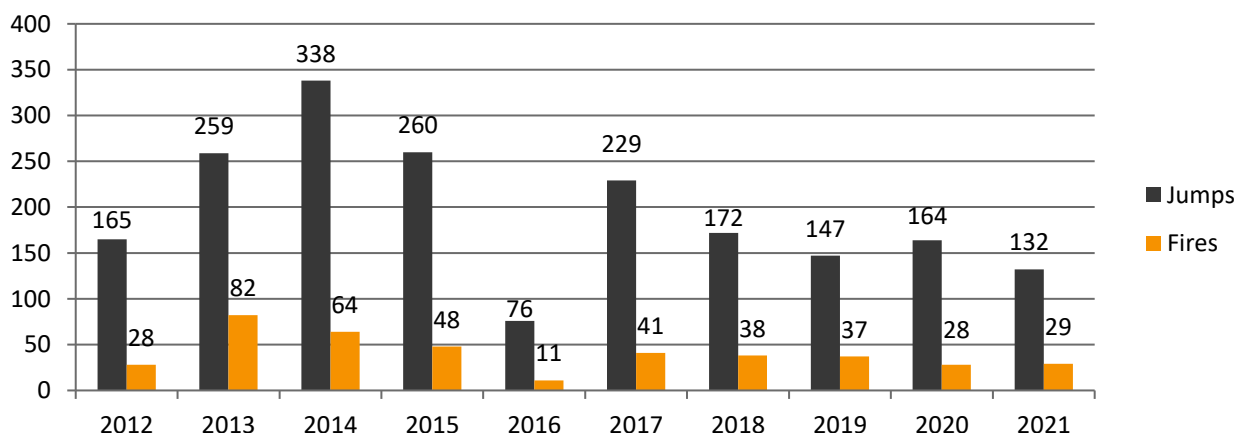
### Redmond Smokejumpers

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

Out of Redmond, 29 fires were staffed totaling 132 fire jumps. The first fire jump occurred on June 22<sup>nd</sup> and the last on August 4<sup>th</sup>. The 29 fires are approximately 70% of our 10-year average of 41 fires and 132 fire jumps is 69% of our 10-year average of 190 fire jumps.

Redmond Smokejumpers filled 78 single resource assignments totaling 999 days, which amounted to 58% of our wildland and prescribed fire activities in 2021.

**Chart 27: Redmond Smokejumper's 10-Year Fire Jump Count**



## NW Helicopter & Rappel Activity

Source: PNW 2021 Aviation Summary. For full report, contact SORO.

**Table 7: PNW Type 1 Large Fire Support Helicopter Activity Total**

2021	Wenatchee	La Grande	John Day	Siskiyou	Totals
Flt. Hours on Fire	224.0	275.1	312.0	189.5	1,000.6
Days on Contract	141	172	120	120	553
# IA's	14	13	6	13	46
# Large Fires	18	62	16	35	131
Water/Retardant Delivered	1,726,970	1,718,017	1,237,391	618,975	5,301,353

**Table 8: PNW Type 1 Surge Helicopter Activity Totals**

2021	Oakridge	Roseburg	Dallesport	Medford	Lakeview	Prineville	Totals
Flt. Hours on Fire	363.5	361.7	258.8	271.8	374.2	338.2	1,968.2
Days on Contract	150	150	150	153	151	150	904
# IA's	6	12	10	2	15	10	55
# Large Fires	7	16	9	18	10	8	68
Water/Retardant Delivered	1,205,650	880,900	1,435,665	586,698	2,434,328	1,414,649	7,957,890

**Table 9: PNW Type 2 Helicopter/Rappel Activity**

2021	Wenatchee	Prineville	La Grande 1	La Grande 2	John Day	Siskiyou	Totals
Flt. Hours on Fire	379.6	205.2	177.9	113.7	232.6	200.2	1,309.2
Flt. Hours, Other	19.1	0.0	15.3	16.0	15.1	6.5	72
Days on Contract	153	146	134	127	137	132	829
# IA's	21	21	22	28	26	27	145
# Large Fires	13	6	4	3	7	22	55
Proficiency Rappels	152	150	111	251	175	146	985
Operational Rappels	30	53	12	42	85	71	293
Total Rappels	182	203	123	293	260	217	1,278
Rappel IA's/EA's	8	11	3	14	22	20	78
Helitack IA's	9	4	10	12	5	2	42

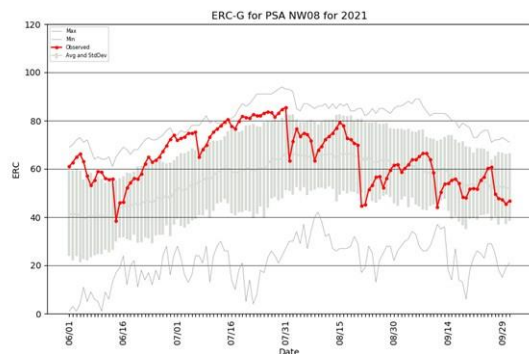
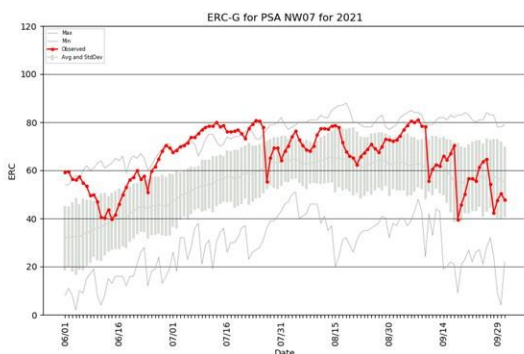
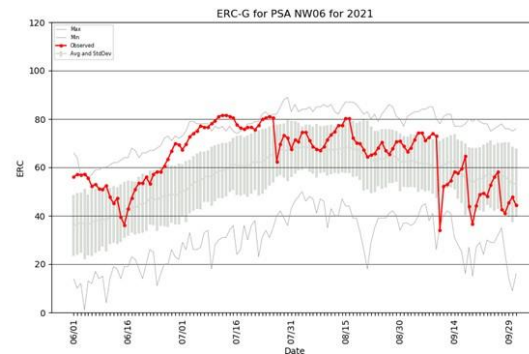
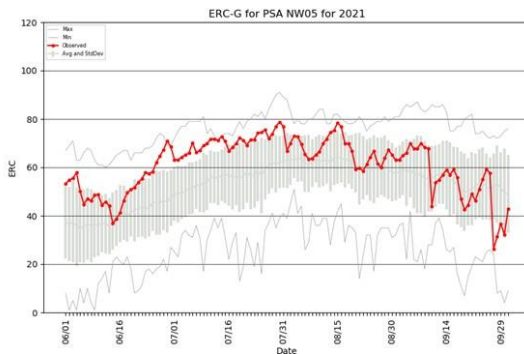
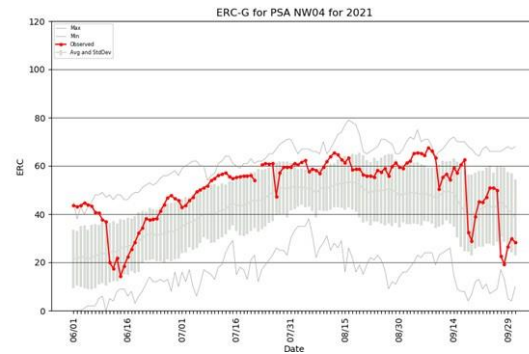
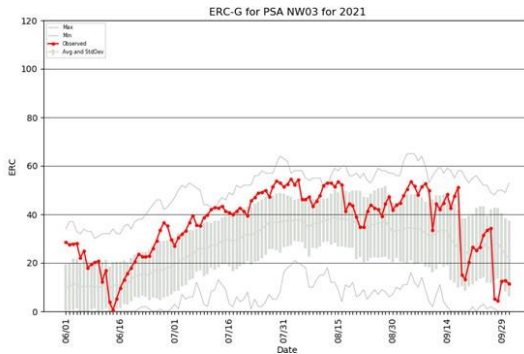
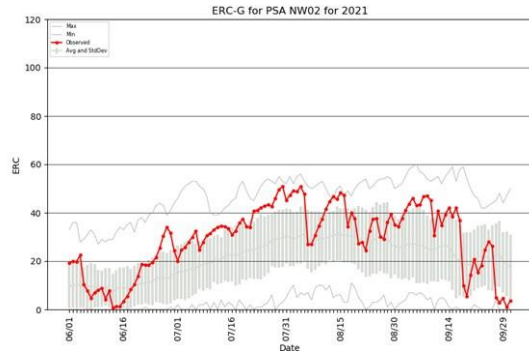
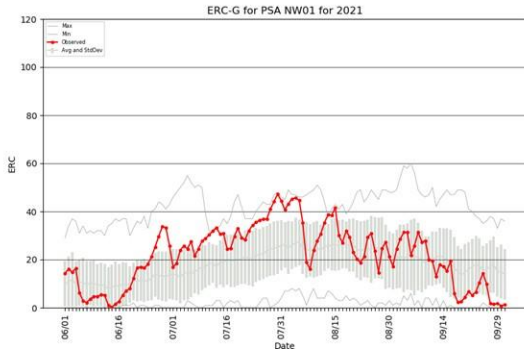
**Table 10: PNW Type 3 Helicopter Activity Totals**

	Wenatchee	Wenatchee Shorthaul	John Day	Prineville	TOTALS
Flt. Hours on Fire	234.1	286.3	205.6	110.8	836.8
Flt. Hours, Project	3.7	3.1	3.7	3.6	14.1
Days on Contract	99	146	133	90	469
# IA's	6	1	12	14	33
# Large Fires	3	8	7	4	22

\*\* Wenatchee conducted (2) Operation short-hauls this season

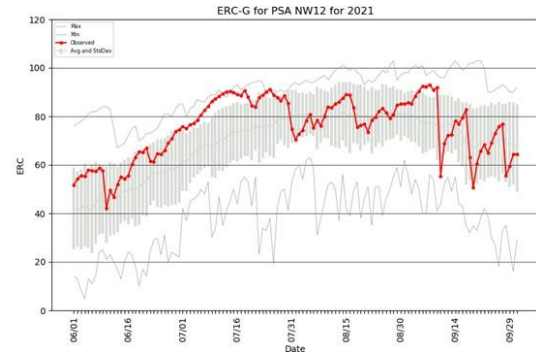
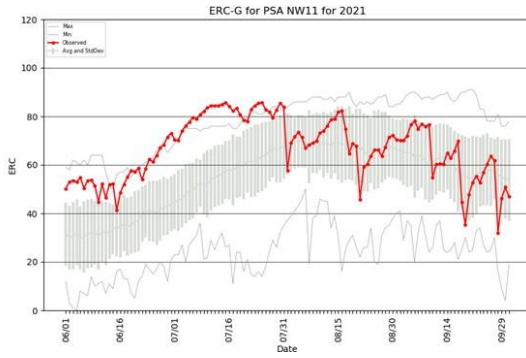
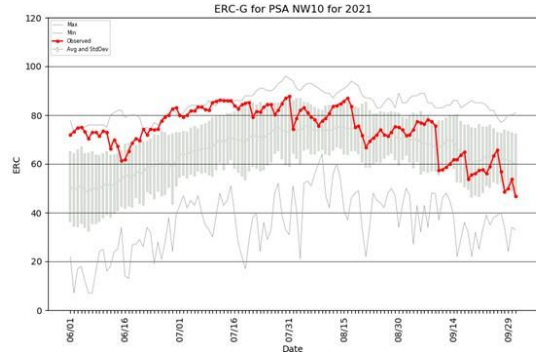
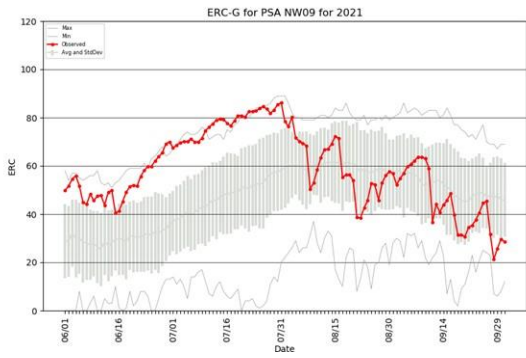
APPENDIX

Northwest Energy Release Component by PSA





APPENDIX | Northwest Energy Release Component by PSA



## NW Situation Report

Source: Interagency Situation Report (SIT Report), as reported by NW dispatch offices on 12/31/2021.

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, DOF = Oregon Department of Forestry, ST= Washington State Fire Marshal's Office, DL= Oregon Department of State Lands

NW SIT Reporting captures all of Oregon and Washington, in addition to small portions of neighboring states (ID, NV, CA). In Washington (WA-WFS, Washington State Fire Marshal's Office), reporting is limited, and generally captures only fires greater than 300 acres in size. Fire statistics are presented by Protecting Agency and intended to provide a Geographic Area perspective of annual fire activity across all agencies/partners and may not reflect official figures for a specific agency. For agency specific details and/or official agency figures, contact the respective agency.

In some instances, reporting responsibility for a unit is covered by two dispatch offices. In these cases, two entries result with the respective reporting dispatch office listed in parenthesis following the unit's name. Added together, both entries account for the unit's total activity.

**Table 11: 2021 NW Fires & Acres by Unit (by Protecting Agency)**

2021 NW Fires & Acres by Unit (by Protection Agency)								
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
BIA	Oregon	Umatilla Agency	23	62	1	-	24	62
		Warm Springs Agency (OR-COC)	2	2	1	1	3	3
		Warm Springs Agency (OR-WSA)	54	12,691	1	-	55	12,691
	<b>Oregon Total</b>		<b>79</b>	<b>12,755</b>	<b>3</b>	<b>1</b>	<b>82</b>	<b>12,756</b>
	Washington	Colville Agency (WA-COA)	38	562	39	144,445	77	145,007
		Colville Agency (WA-NEC)	-	-	-	-	-	-
		Spokane Agency (WA-NEC)	28	1,307	-	-	28	1,307
		Yakama Agency	55	65	-	-	55	65
	<b>Washington Total</b>		<b>121</b>	<b>1,934</b>	<b>39</b>	<b>144,445</b>	<b>160</b>	<b>146,379</b>
	<b>BIA Total</b>			<b>200</b>	<b>14,689</b>	<b>42</b>	<b>144,446</b>	<b>242</b>
BLM	Oregon	Burns District	6	75	10	2,305	16	2,380
		Coos Bay District (OR-CBD)	1	1	-	-	1	1
		Coos Bay District (OR-RICC)	20	2	7	2	27	4
		Lakeview District	14	149	49	835	63	984
		Medford District (OR-RVC)	41	117	38	40	79	157
		Northwest Oregon District (OR-EIC)	-	-	-	-	-	-
		Prineville District (OR-BMC)	-	-	-	-	-	-
		Prineville District (OR-COC)	31	865	35	4,133	66	4,998
		Roseburg District (OR-RICC)	16	123	23	3,105	39	3,228
		Vale District (OR-BMC)	-	-	-	-	-	-
	Vale District (OR-VAD)	20	782	16	1,547	36	2,329	
	<b>Oregon Total</b>		<b>149</b>	<b>2,114</b>	<b>178</b>	<b>11,967</b>	<b>327</b>	<b>14,081</b>
	Washington	Spokane District (OR-BMC)	-	-	-	83	-	83
Spokane District (WA-CWC)		54	1,319	1	910	55	2,229	
Spokane District (WA-NEC)		12	383	-	1,328	12	1,711	
<b>Washington Total</b>		<b>66</b>	<b>1,702</b>	<b>1</b>	<b>2,321</b>	<b>67</b>	<b>4,023</b>	
<b>BLM Total</b>			<b>215</b>	<b>3,816</b>	<b>179</b>	<b>14,288</b>	<b>394</b>	<b>18,104</b>
C&L	Oregon	Bend Fire Department	4	1	1	0	5	1
		Black Butte Ranch Rural Fire Protection District	-	-	-	-	-	-
		Central Oregon Rangeland Protection Association (OR-COC)	-	-	-	-	-	-

APPENDIX | NW Situation Report

2021 NW Fires & Acres by Unit (by Protection Agency)									
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres	
C&L	Oregon	Central Oregon Rangeland Protection Association (OR-LFC)	3	12	-	-	3	12	
		Cloverdale Fire Protection District	-	-	-	-	-	-	
		Condon Fire Department	-	-	-	-	-	-	
		Crescent Rural Fire Protection District	-	-	-	-	-	-	
		Crook County Fire & Rescue	4	4	2	1	6	5	
		Crooked River Ranch Rural Fire Protection District	-	-	-	-	-	-	
		Dayville Fire Department	-	-	-	-	-	-	
		Deschutes County Fire District 1	-	-	-	-	-	-	
		Deschutes County Fire District 2	2	-	-	-	2	-	
		Fossil Volunteer Fire Department	-	-	-	-	-	-	
		Gilchrist Fire Department	-	-	-	-	-	-	
		Jefferson County Rural Fire Protection District #1	6	21	-	-	6	21	
		Juniper Flat Rural Fire Protection District	-	-	-	-	-	-	
		Lapine Rural Fire Protection District	-	-	-	-	-	-	
		Maupin Fire Department	1	15	-	-	1	15	
		Mitchell Volunteer Fire Department	-	-	-	-	-	-	
		Moro Fire Department	-	-	-	-	-	-	
		North Gilliam County Rural Fire Protection District	-	-	-	-	-	-	
		North Sherman County Rural Fire Protection District	1	1,500	-	-	1	1,500	
		Redmond Fire & Rescue	4	70	-	-	4	70	
		Sisters-Camp Sherman Rural Fire Protection District	-	-	-	-	-	-	
		South Gilliam County Rural Fire Protection District	1	30	-	-	1	30	
		Spray Volunteer Fire Department	-	-	-	-	-	-	
		Sunriver Fire Department	-	-	-	-	-	-	
		Warm Springs Fire & Safety	-	-	-	-	-	-	
		Wasco Fire Department	-	-	-	-	-	-	
		<b>Oregon Total</b>			<b>26</b>	<b>1,653</b>	<b>3</b>	<b>1</b>	<b>29</b>
	Washington	Adams County Fire Districts (WA-CWC)	-	-	-	-	-	-	
		Adams County Fire Districts (WA-NEC)	-	-	-	-	-	-	
		Benton County Fire Districts	-	-	-	-	-	-	
		Chelan County Fire Districts	-	-	-	-	-	-	
		Douglas County Fire Districts	3	32	-	-	3	32	
		Ferry County Fire Districts	1	-	-	-	1	-	
Franklin County Fire Districts (WA-CWC)		1	20	-	-	1	20		
Franklin County Fire Districts (WA-NEC)		-	-	-	-	-	-		
Grant County Fire Districts (WA-CWC)		1	4	-	-	1	4		
Grant County Fire Districts (WA-NEC)		-	-	-	-	-	-		
Kittitas County Fire Districts		7	190	-	-	7	190		
Klickitat County Fire Districts		1	400	-	-	1	400		
Lincoln County Fire Districts		2	3	-	-	2	3		
Okanogan County Fire Districts		10	4	-	-	10	4		
Pend Oreille County Fire Districts		0	0	-	-	-	-		
Spokane County Fire Districts		26	40	-	-	26	40		
Spokane Fire Department	9	16	-	-	9	16			
Stevens County Fire Districts	19	51	-	-	19	51			
Walla Walla County Fire Districts	-	-	-	-	-	-			
Whitman County Fire Districts	-	-	-	-	-	-			

APPENDIX | NW Situation Report

2021 NW Fires & Acres by Unit (by Protection Agency)								
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
C&L	Washington	Yakima County Fire Districts	3	65	-	-	3	65
	<b>Washington Total</b>		<b>83</b>	<b>825</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>825</b>
<b>C&amp;L Total</b>			<b>109</b>	<b>2,478</b>	<b>3</b>	<b>1</b>	<b>112</b>	<b>2,479</b>
DL	Oregon	Oregon Department of State Lands (OR-BIC)	-	-	-	-	-	-
		Oregon Department of State Lands (OR-COC)	1	-	-	-	1	-
	<b>Oregon Total</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
<b>DL Total</b>			<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
DNR	Washington	Northeast Region-Department of Natural Resources (WA-CWC)	9	70,173	1	1	10	70,174
		Northeast Region-Department of Natural Resources (WA-NEC)	582	26,742	76	7,688	658	34,430
		Northwest Region-DNR	125	71	-	-	125	71
		Olympic Region-DNR	54	178	-	-	54	178
		Pacific Cascade Region-DNR	136	126	-	-	136	126
		South Puget Sound Region-DNR	153	200	1	-	154	200
		Southeast Region-Department of Natural Resources (WA-NEC)	-	-	-	-	-	-
		Southeast Region-DNR (OR-BMC)	7	6	5	26,705	12	26,711
		Southeast Region-DNR (WA-CWC)	134	14,249	12	165	146	14,414
		Washington State Department of Natural Resources Headquarters	-	-	-	-	-	-
<b>Washington Total</b>		<b>1,200</b>	<b>111,745</b>	<b>95</b>	<b>34,559</b>	<b>1,295</b>	<b>146,304</b>	
<b>DNR Total</b>			<b>1,200</b>	<b>111,745</b>	<b>95</b>	<b>34,559</b>	<b>1,295</b>	<b>146,304</b>
DOF	Oregon	Astoria District	6	15	-	-	6	15
		Baker Unit	5	26	10	5	15	31
		Bridge Unit	27	16	-	-	27	16
		Central Unit (OR-73S)	38	20	4	1	42	21
		Columbia City Unit	12	10	-	-	12	10
		Coos Forest Protective Association	39	10	-	-	39	10
		Dallas Unit	17	3	-	-	17	3
		East Lane Unit - ODF	41	26	3	-	44	26
		Forest Grove Unit	23	201	-	-	23	201
		Fossil Unit	-	-	-	-	-	-
		Gold Beach Unit	17	4	-	-	17	4
		Grants Pass Unit (OR-712C)	72	88	11	-	83	88
		John Day Unit	10	44	25	1,412	35	1,457
		Klamath Unit	63	1,544	6	77	69	1,621
		LaGrande District	5	8	6	13	11	21
		Lake Unit	15	1,702	6	2	21	1,704
		Medford Unit (OR-71C)	84	108	46	54	130	162
		Molalla Unit	3	5	-	-	3	5
		North Unit (OR-73S)	15	126	1	-	16	126
		Pendleton Unit (OR-BMC)	8	8	3	68	11	76
		Philomath Unit	14	12	-	-	14	12
		Prineville Unit	4	21	9	3	13	24
		Santiam Unit	-	-	-	-	-	-
		Sisters Unit	22	6,244	5	1	27	6,245
		South Unit (OR-73S)	41	207	19	5,780	60	5,987
		Sweet Home Unit - ODF	18	2	-	-	18	2
		The Dalles Unit (OR-COC)	6	21	2	-	8	21
		The Dalles Unit (WA-CCC)	81	8,505	4	-	85	8,505

APPENDIX | NW Situation Report

2021 NW Fires & Acres by Unit (by Protection Agency)								
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
DOF	Oregon	Tillamook District	8	67	-	-	8	67
		Toledo Unit	9	-	-	-	9	-
		Walker Ranger Forest Protective Association	8	4	6	-	14	4
		Wallowa Unit	13	14,571	14	3,757	27	18,328
		Western Lane District	73	69	3	2	76	71
	<b>Oregon Total</b>		<b>797</b>	<b>33,687</b>	<b>183</b>	<b>11,175</b>	<b>980</b>	<b>44,862</b>
<b>DOF Total</b>			<b>797</b>	<b>33,687</b>	<b>183</b>	<b>11,175</b>	<b>980</b>	<b>44,862</b>
FS	Idaho	Hells Canyon National Recreation Area	-	-	1	-	1	-
		<b>Idaho Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
	Oregon	Columbia River Gorge National Scenic Area	36	416	1	-	37	416
		Deschutes National Forest	110	171	35	491	145	662
		Fremont-Winema National Forest	29	93,394	29	422,702	58	516,096
		Malheur National Forest (OR-BIC)	9	5	21	1,317	30	1,322
		Malheur National Forest (OR-MAF)	6	4	33	22,543	39	22,547
		Malheur National Forest-Burns Fire Zone	-	-	-	-	-	-
		Mt. Hood National Forest	36	10	5	24,894	41	24,904
		Ochoco National Forest	18	5	35	176	53	181
		Rogue River-Siskiyou National Forest	31	28	31	24	62	52
		Siuslaw National Forest	12	2	-	-	12	2
		Umatilla National Forest (OR-BMC)	9	6,087	26	5	35	6,092
		Umatilla National Forest (OR-MAF)	2	112	3	1	5	113
		Umpqua National Forest	13	24,089	91	119,410	104	143,499
		Wallowa-Whitman National Forest (OR-BMC)	27	2,555	45	4,979	72	7,534
		Willamette National Forest	38	219	36	31,672	74	31,891
		<b>Oregon Total</b>		<b>376</b>	<b>127,097</b>	<b>391</b>	<b>628,214</b>	<b>767</b>
	Washington	Colville National Forest	23	17,563	37	29,163	60	46,726
		Gifford Pinchot National Forest	18	3	-	-	18	3
		Mt. Baker-Snoqualmie National Forest	26	4	10	1,016	36	1,020
		Okanogan-Wenatchee National Forest (WA-CWC)	43	24,008	27	164,796	70	188,804
		Okanogan-Wenatchee National Forest (WA-NEC)	-	-	-	-	-	-
		Olympic National Forest	8	2	-	-	8	2
Umatilla National Forest - Washington		-	-	18	98,197	18	98,197	
<b>Washington Total</b>		<b>118</b>	<b>41,580</b>	<b>92</b>	<b>293,172</b>	<b>210</b>	<b>334,752</b>	
<b>FS Total</b>			<b>494</b>	<b>168,677</b>	<b>484</b>	<b>921,386</b>	<b>978</b>	<b>1,090,062</b>
FWS	Oregon	Bear Valley National Wildlife Refuge	-	-	1	-	1	-
		Klamath Marsh National Wildlife Refuge	-	-	-	-	-	-
		Malheur National Wildlife Refuge	1	88	-	-	1	88
		Oregon Coast National Wildlife Refuge Complex	-	-	-	-	-	-
		Sheldon-Hart Mountain NWR Complex	1	-	-	-	1	-
		Tualatin River National Wildlife Refuge Complex	2	5	-	-	2	5
		Upper Klamath National Wildlife Refuge	-	-	-	-	-	-
		Willamette Valley NWR Complex	-	-	-	-	-	-
	<b>Oregon Total</b>		<b>4</b>	<b>93</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>93</b>
	Washington	Little Pend Oreille National Wildlife Refuge	-	84	1	-	1	84
		Mid Columbia NWR Complex (WA-CWC)	29	13,192	-	-	29	13,192
		Nisqually National Wildlife Refuge Complex	-	-	-	-	-	-
		Ridgefield National Wildlife Refuge Complex	4	1	-	-	4	1
		Turnbull National Wildlife Refuge	-	-	-	-	-	-
Washington Maritime NWR Complex		1	22	-	-	1	22	
Willapa NWR Complex (WA-PCS)	-	-	-	-	-	-		

APPENDIX | NW Situation Report

2021 NW Fires & Acres by Unit (by Protection Agency)								
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
FWS	Washington	Willapa NWR (WA-PSC)	-	-	-	-	-	-
	<b>Washington Total</b>		<b>34</b>	<b>13,299</b>	<b>1</b>	<b>0</b>	<b>35</b>	<b>13,299</b>
<b>FWS Total</b>			<b>38</b>	<b>13,392</b>	<b>2</b>	<b>0</b>	<b>40</b>	<b>13,392</b>
NPS	Oregon	Crater Lake National Park	3	1	8	20	11	21
		John Day Fossil Beds National Monument	-	-	-	-	-	-
		Lewis and Clark National Historical Park	-	-	-	-	-	-
		Oregon Caves National Monument	-	-	-	-	-	-
	<b>Oregon Total</b>		<b>3</b>	<b>1</b>	<b>8</b>	<b>20</b>	<b>11</b>	<b>21</b>
	Washington	Lake Roosevelt National Recreation Area	-	-	-	-	-	-
		Mount Rainier National Park (WA-CCC)	-	-	-	-	-	-
		Mount Rainier National Park (WA-PSC)	-	-	-	-	-	-
		North Cascades National Park	1	986	2	164	3	1,150
		Olympic National Park	5	2	-	-	5	2
		San Juan Island National Historical Park	-	-	-	-	-	-
Whitman Mission National Historic Site		-	-	-	-	-	-	
<b>Washington Total</b>		<b>6</b>	<b>988</b>	<b>2</b>	<b>164</b>	<b>8</b>	<b>1,152</b>	
<b>NPS Total</b>			<b>9</b>	<b>989</b>	<b>10</b>	<b>184</b>	<b>19</b>	<b>1,173</b>
ST	Washington	Washington State Fire Marshal's Office (OR-BMC)	-	-	-	-	-	-
		Washington State Fire Marshal's Office (WA-NEC)	-	-	-	-	-	-
		Washington State Fire Marshal's Office (WA-WSP)	3	16,243	2	11,245	5	27,488
	<b>Washington Total</b>		<b>3</b>	<b>16,243</b>	<b>2</b>	<b>11,245</b>	<b>5</b>	<b>27,488</b>
<b>ST Total</b>			<b>3</b>	<b>16,243</b>	<b>2</b>	<b>11,245</b>	<b>5</b>	<b>27,488</b>
TRIBE	Washington	Kalispel Tribe	9	27	-	-	9	27
	<b>Washington Total</b>		<b>9</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>27</b>
<b>TRIBE Total</b>			<b>9</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>27</b>
<b>Grand Total</b>			<b>3,075</b>	<b>365,743</b>	<b>1,000</b>	<b>1,137,284</b>	<b>4,075</b>	<b>1,503,027</b>

## NW Dispatch Centers

**Table 12: 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	Puget Sound Interagency Coordination Center	Local
	WA-YAC	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 13: 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-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-VAC	Vale District Dispatch Center	Local
	OR-WSC	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	

## NW Federal & State Agency Identifiers

**Table 14: Agency Identifiers**

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

## NW Local Unit Identifiers

FPA = Fire Protection Area, 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.

**Table 15: Federal**

Agency	State-ID	Unit Name
BIA	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-LAD	Lakeview District
	OR-MED	Medford District
	OR-NOD	Northwest Oregon District
	OR-PRD	Prineville District
	OR-ROD	Roseburg District
	OR-VAD	Vale District
	WA-SPD	Spokane District
	FWS	OR-BVR
OR-KLR		Klamath Marsh NWR
OR-MAR		Malheur NWR
OR-OCR		Oregon Coast NWR Complex
OR-SHR		Sheldon-Hart Mountain NWR
OR-TUR		Tualatin River NWR Complex
OR-UKR		Upper Klamath NWR
WA-LPR		Little Pend Oreille NWR
WA-MCR		Mid-Columbia NWR Complex
WA-NQR		Nisqually NWR
WA-RFR		Ridgefield NWR Complex
WA-TBR		Turnbull NWR
WA-WLR		Washington Maritime NWR

NPS	WA-WLR	Willapa NWR Complex
	OR-CLP	Crater Lake NP
	OR-JDP	John Day Fossil Beds NM
	OR-OCF	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-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-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 16: 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
	WA-WAS	Washington State DNR Headquarters
	ODF	OR-510S
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-953S		Fossil 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