

# Northwest Annual Fire Report

## 2020



Northwest Interagency Coordination Center

Northwest Interagency  
Coordination Center  
Portland, OR

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## SUMMARY INFORMATION

### NWCC Mission

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

### NWCC Annual Fire Report General Information

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

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

This document is available electronically at the NWCC web page: [gacc.nifc.gov/nwcc/](http://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/](http://gacc.nifc.gov/nwcc/)

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Photos: BLM Public Domain, Inciweb and by permission

## NWCC ACCOMPLISHMENTS

### A Review of 2020

#### Overview

The Northwest 2020 Fire Year was like no other in recent history. Fires in Australia over the New Year's holiday and into February drew on NW teams and overhead, opening the fire season considerably earlier than normal. About the time the Australian fire situation began to calm, the spread of a novel coronavirus (COVID-19) into a pandemic early in the year forced the wildland community to re-examine incident management business practices, nationally, geographically, and locally. Uncertainties related to the COVID-19 pandemic pushed the geographic area to Preparedness Level 2, where we remained until mid-August when wide-spread lightning ignited significant fires along the Cascades, in Eastern Oregon, and in Washington. Just as the NW began to turn the corner on these fires, a historic wind event struck just after Labor Day, causing disastrous fire-spread on new and existing incidents. Millions of acres were affected by fire, impacting many communities, and forcing tens of thousands of people from their homes.

In the end, though the 3,853 incidents experienced in the NW is relatively normal, over 1.98 million acres were affected by fire—223% of the ten-year average. Worse, simultaneous 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 56 times in the NW and nationally, accumulating 885 duty days on incidents. This included:

- Ten Type 1 IMT mobilizations;
- Twenty-six Type 2 IMT mobilizations;
- Eleven ODF IMT mobilizations; and
- Nine OSFM IMT mobilizations, for an additional 132 duty days.

Out-of-Area IMTs mobilized to the NW eight times for a total of 117 duty days.

Finally, Area Command Team 1, IC Stutler, mobilized three times for a total of 101 duty days.

If there is a silver lining to 2020, precautionary measures developed for managing COVID-19 on incidents were highly successful. Working in cooperation, ODF and OSFM established “COVID-19 Modules” designed to manage COVID-19 issues on incidents in Oregon so that IMTs could focus on managing the incident. Similarly, WA DNR worked in cooperation with the WA Fire Service to provide individual Health Liaisons and COVID-19 Responders for NW IMTs working inside and outside of the NW. Dean Vendrasco and Ed Lewis, assigned as NW COVID-19 Coordinators, worked tirelessly through the late spring and summer months coordinating COVID-19 Responders in support of NW IMTs and Out-of-Area IMTs working NW incidents. Because of these efforts, and despite the fact that over 30,000 wildland firefighters passed through the NW, only 7 positive COVID-19 cases were recorded on NW incidents.

Heightened vigilance due to COVID-19 also significantly reduced the spread of colds and flu among incident personnel and improving firefighter health in general.

### **NWCC Staff & Organization**

Change continues at NWCC:

- Matt Morales, assistant center manager at Puget Sound Communication Center, accepted the NWCC Forest Service Operations Coordinator position.
- Brandon Poe, assistant center manager at Columbia Cascades Communication Center, accepted the NWCC BLM Operations Coordinator position.
- Desraye Assali, Forest Service GIS Specialist, fulfilled a 120-Day+ detail serving as the NWCC GIS Specialist.
- Finally, Dan O'Brien, NWCC Center Manager since 2010, retired at the end of the year.

### **Organization: Administration**

#### ***NWCC Center Manager***

Throughout 2020, the NWCC Center Manager continued to engage at a number of levels:

##### **Administration**

- Completed the 2020 NWCC Operating Plan with operating budget.
- Drafted NWCC COOP for transferring geographic area coordination operations to Central Oregon Interagency Dispatch Center in the event of a catastrophic disabling event.
- Drafted 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 and PNWCG facilitator in meeting scheduling and management.
- Coordinated CY20 to CY23 Interagency Agreement funding the NWCC Public Affairs Specialist position.
- Coordinated selections panels for Deputy Geographic Area Center Manager vacancies at Northern California and Southern California Coordination Centers.

##### **Operations**

- Provided oversight and guidance for all operations at NWCC.
- Updated the 2020 NW MAC Operations Handbook
  - Reorganized NW MAC daily schedule to include TEAMs technology in place of face-to-face meetings and phone calls.
  - Reconfigured the 1600 briefing to improve coordination among the NWCC sections as well as provide consistent delivery in MS TEAMs.
  - Developed COVID-19 assessments for use in incident prioritization.
- Organized and facilitated NW Incident Commander Advisory Council conference calls, providing a forum for discussing team preparation for operations in the COVID-19 pandemic environment.
- Organized and hosted MAC Support orientation in preparation for the 2020 Fire Season, with emphasis on greater utilization of virtual technologies.

- Implemented the MAC Daily Schedule during an active fire season:
  - Hosted daily conference calls, TEAMs meetings and formal briefings.
  - Drafted memos and other correspondence in support of NW MAC administration.
  - Hosted and facilitated PNWCG Executive Calls.
- Provided oversight and guidance for the NW MAC Support Staff, including the virtual MAC Safety Specialist.
- Provided oversight and guidance for the (virtual) PNWCG COVID-19 Coordinators, including developing mobilization and tracking processes for IMT Health Liaisons and Responders.
- Coordinated mission planning and utilization of the Distributed Real Time Infrared (DRTI) aircraft in support of incident operations and geographic area ignition detection.
- Planned and facilitated congressional briefing for OR Senators Merkley and Wyden.

#### National Coordination

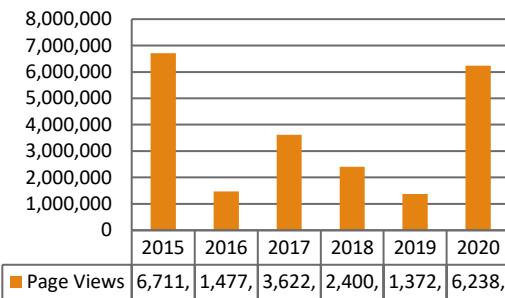
- Chair of the National Coordination Center Managers (NCCM) group.
  - Coordinated the agenda for the National Coordinators Meeting in conjunction with NICC and SOPS.
  - Represented NCCM at the Coordinating Group Advisory Council (CGAC) meetings and drafted the NCCM charter which was approved and signed by CGAC and NMAC.
  - Coordinated monthly meeting/call agendas and distributed notes.
- Alternate PNWCG representative for CGAC at monthly calls and meetings.
- Member of the Incident Workforce Development Group (IWDG) responsible for developing future management structure and guidance for incident management teams.
  - Hosted the IWDG Workshop in coordination with CGAC and the National Incident Commander Advisory Council (ICAC).
  - Drafted and presented multiple briefing papers providing purpose, scope and detailed actions for future IMT management for IC's, coordinating groups and agency administrators at the 2020 National ICAC meeting in Boise, ID.
  - Collected IMT membership data from the different geographic areas.
  - Drafting briefing paper on data requirements for a developing incident command application process (ICAP).
- Chair of the Predictive Services Oversight Group
  - Provided direction and guidance for the National Predictive Services Oversight Group (PSOG), organizing and providing guidance for a multi-agency membership representing a variety of stakeholder groups.
  - Developed monthly meeting/call agendas, staff calls, and reviewed distribute notes.
  - Drafted and distributed PSOG memos and directives.
  - Drafted and assigned specific PSOG Tasks designed to address Predictive Services programs and activities.
  - Coordinated with NWS, WFIT and other entities in achieving program objectives.
  - Coordinated with the Fire Management Board (FMB) liaison to maintain program focus and purpose under the oversight of FMB.

### **Public Information and Communication**

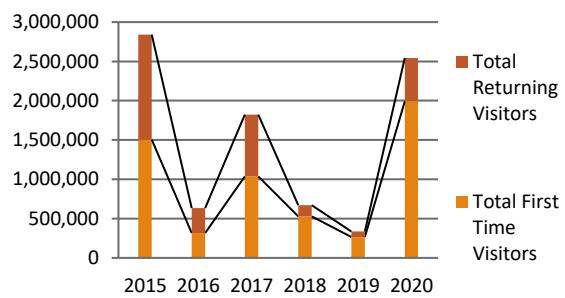
A total of 498 media requests, including 27 virtual media interviews and over 225 public information calls, were completed through the 2020 fire season by the NWCC Public Information Desk. These were responding to local, regional, national, and international media-related requests, as well as calls from private citizens concerned about fire activity, evacuations, smoke, resource availability, hunters, campers, fire camps, contractors and other general questions.

- The NWCC Fire Blog continued to be the centerpiece of our social media strategy. There were over 400,000 page views recorded in a 3-month period which is the most views since the creation of the NWCC Blog. Blog information was also posted on the NWCC Twitter and Facebook pages.
- The NWCC Twitter account, which complemented the NWCC Facebook webpage and Blog, saw an increase of over 1,000 new followers.
- Analysis shows use of the main NWCC website had over 6.2 million page views which includes nearly 2 million first time visitors.

**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 and well as Coordinating Groups, Local Units, Incident Management 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 2020 accomplishments include:

- Desraye Assali served in a virtual capacity as the detailed GIS Coordinator through the summer to provide daily oversight of GIS operations.
- Bryant Mecklem served multiple assignments for onsite GIS support for all NWCC and MAC operations.
- In coordination with the Intel section, developed the NWCC Situation Page.
- Responded to critical data, analysis requests, and mapping requests across all agencies, regional fire leadership, IMTs, researchers and the public.

- Migrated all map documents from ArcGIS to ArcGIS Pro, including many processing tools.
- Created a NWCC GIS Administrator NIFC ArcGIS Online Organization (AGOL) Account.
- Migrated and updated all existing NWCC AGOL Content into the NIFC AGOL.
- Created or migrated two AGOL Groups under the ownership of the NWCC GIS NIFC AGOL Administrator Account.
  - *NWCC-Northwest* which contains all mapping applications and feature services maintained by NWCC.
  - *NWCC 2020 Fire Data Disk Map Service Links* which contains base data and maps for the region.
- Created or updated all NWCC AGOL Applications.
  - *Northwest Large Fire Interactive Web Map*, <https://arcg.is/10CWy0>, viewed 7,738,602 times between July 10 and Oct 9, 2020.
  - *NW Current Situation*, <https://arcg.is/1njzb>, viewed 41,268 times between July 10 and Oct 9, 2020.
  - *Current Situation Maps*, <https://arcg.is/15nXjW>, viewed 36,299 between July 10 and Oct 9, 2020.
  - *Fuels/Fire Danger Applications and maps, two applications and one embedded web map.* Viewed 20,026 times, combined, between July 10 and Oct 9, 2020.
  - *NWCC Aerial Resource Dashboard-Public*, <https://arcg.is/1euKfn>.
  - *Structures*, <https://arcg.is/1OSvL0>, dashboard showing graphs for Structures Threatened or Structures Destroyed per a fire's previous day 209 fire report.
  - *NWCC Resources*, <https://arcg.is/1HyiiP>, dashboard of all crews and Type 1 and 2 helicopter status and location.
  - *NWCC Aerial Resources*, two dashboards for internal use for tracking and briefing presentation of aviation resources. ArcGIS Survey 123 Form for entering new resources. Editing Application for editing existing features.
- Supported Northwest Geographic Area incident personnel with uploading large fire polygons into the National Incident Feature Service (NIFS) and troubleshooting technical issues.
- NIFC AGOL technical support and guidance including password resets, group and content management.
- Provided guidance and training to incident GISS and READ personnel in the uses of NIFC AGOL, NIFS and Collector.
- Granted NIFC FTP access for the Northwest Geographic Area.
- Granted Avenza Pro access and guidance for USFS employees and partners.
- Continued update and improvement of the NWCC COP (Common Operating Picture) for Google Earth.
- Compiled and maintained daily operational features including fire locations and perimeters for approximately 105 individual fires and 3 complexes totaling more than 1.8 million acres burned across the Northwest Geographic Area.

### ***Organization: Predictive Services***

Through a year dominated by COVID-19 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 regional fire potential outlooks, compiling and reporting fire occurrence and resource status information and providing implications of fire analysis to fire leadership and the field.

The NWCC Predictive Services Unit was engaged with large incident management teams in Washington and Oregon. Services were provided to a variety of partners, customers and stakeholders during a season that began with average trends but that had a historically unique and high impact finale, including:

- Provided daily fire situation and fire potential briefings, analysis and reports. In adapting to a virtual environment, we utilized new tools to continue our coordination 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.
- Migrated the NWCC Situation Page from Google to the Microsoft environment, maintaining access to decision support products, key briefings and situational awareness for internal managers and coordinating groups.

### ***Fire Analysis***

- Hosted 6 detailers to assist with Fire Analyst duties from June through October. COVID-19 concerns prompted cancellations of two detailers.
- Conducted fuels status conference calls to provide regional and local perspectives on fuel conditions in the geographic area.
- Continued to serve as the Northwest Geographic Area Lead for the National Fuel Moisture Database.
- Served as lead coordinator for the new NFDRS 2016 rollout at the Regional level.
- Continued serving the geographic area as a RAWS coordinator to support field units with compliance and maintenance. Focused on keeping key RAWS utilized by Predictive Services online and promptly repaired. Contacted multiple agencies and units to repair stations transmitting faulty data throughout the year.
- Monitored fuels and fire occurrence levels and implications to provide support to BLM leadership for long term severity requests.
- Validated status of fuels and needs for fuels and fire behavior advisories in the geographic area.

- Interfaced with FBANs on wildfires and analysts working on decision support at regional centers to coordinate information.
- Provided IMT analysts contact list information to ensure adjacent IMT fire behavior and meteorological staff were coordinating. Along with this effort, fuels and updated indices were provided to incoming IMTs.
- Coordinated with meteorologists to evaluate rare events with potential for prescribed fire escapes or wind events likely to cause large fire problems.
- Prepared to instruct and support S-491 Intermediate Fire Danger. The course was canceled due to COVID-19 health guidelines.
- Mobilized to support fire incidents in Australia in January.

### **Intelligence**

- Hosted 5 detailers in the Intelligence Section.
  - 2 were new to the Intel support role.
  - 3 filled multiple assignments throughout the summer.
  - 1 worked through the end of the year to cover the Intelligence section while the Intel Coordinator was on a detail.
- In coordination with GIS staff:
  - Incorporated Firenet365 into the daily workflows at NWCC. Including rebuilding of the NWCC Situation Page.
  - Developed Dashboards to portray resource allocations, structure assessments and current fire activity.
- Continued to refine and adapt the Intelligence section products in conjunction with the continued advancements in Intel technologies and the introduction of IROC.
- Provided guidance, support and troubleshooting to Dispatch Centers and IMTs for Famweb 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.
- Serve 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**

Like everyone, the meteorology section of Predictive Services dealt with the disruptions of a global health pandemic in 2020. We re-engineered our daily production routines to run off network in a telework environment and were fully functional in this mode prior to the Oregon Governor's Executive Order No. 20-12 (Oregon's stay-at-home order) that went into effect on March 3rd. Once back in the office, many adjustments were made in deference to the virus. Nevertheless, the meteorology section continued to improve and expand its data analysis and processing routines and leveraged the need to enable fully disconnected telework to streamline and simplify operations. Further process enhancements are planned.

As a new lightning data vendor started supporting the fire community, we became a regional conduit of lightning data through the first half of the fire season until data was restored to the Enterprise Geospatial Portal. In addition to retrieving daily lightning reports for internal use, we relayed the data to GIS specialists in dispatch centers and the BIA regional office.

Specific and General Accomplishments:

- 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.
- Calculated quality control statistics and provided them to supporting data supply sources.
- Contributed to the publication of NW Mobilization Guide.
- Supported the research community with NFDRS data and analysis provided to a professor at the University of Washington and automated weather observation data and guidance to a researcher at the University of Idaho.
- Met with several novel data outages and developed backup data acquisition approaches to mitigate current and future outages.

***Organization: Operations***

The NWCC Operations Section continues to ensure coordination of safe and efficient resource mobilization and provides incident support. More than 20,000 resource orders were processed through NWCC during the 2020 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 23 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. 2020 accomplishments for NWCC Operations are provided below:

- Staffed and operated the GACC resource desks in support of incident operations through the fire season.
- The Emergency Operations Manager acts as associate member of the PNWCG Operations Committee. This individual also serves as a member of the NW Center Managers Advisory Council, Operations Committee and subject matter expertise for Incident Commander, Smokejumper, Hotshot, Rappeler 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 SORO personnel to incident assignments.
- Prepared and directed publication of the NW Interagency Mobilization Guide.
- Maintained roster and coordinated mobilizations of Portland NIMO.
- Maintained rosters and coordinated multiple mobilizations of the Northwest's 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.

## NWCC ACCOMPLISHMENTS | A Review of 2020

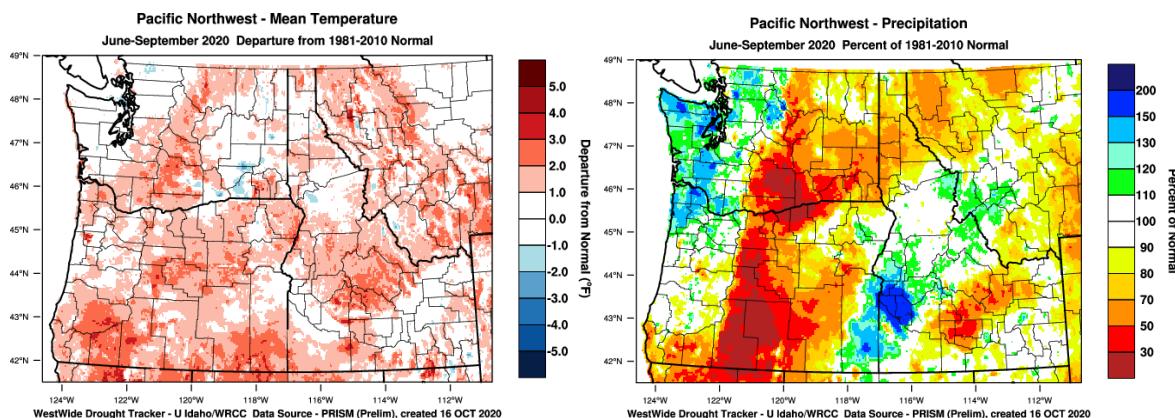
- Participated/presented subject matter at NW IMT conference.
- Maintained consistent communications with agency Duty Officers.
- Coordinated administrative flights for regional and national leaders.
- Due to COVID 19, developed and carried out COOP agreements for offsite work with NWCC personnel and the Alaska Interagency Coordination Center for virtual support of the operations floor.

## FIRE SEASON OVERVIEW

### Fire Season Climate Summary

Despite cool and wet periods early in fire season 2020, persistent warmth and very low rainfall in the second half of the summer boosted fire danger sufficiently to make many areas more susceptible to fires by late August and early September. While lightning was much less than average during fire season 2020, a few lightning-caused large fires helped set the stage for the fire outbreak that accompanied the historic windstorm in early September.

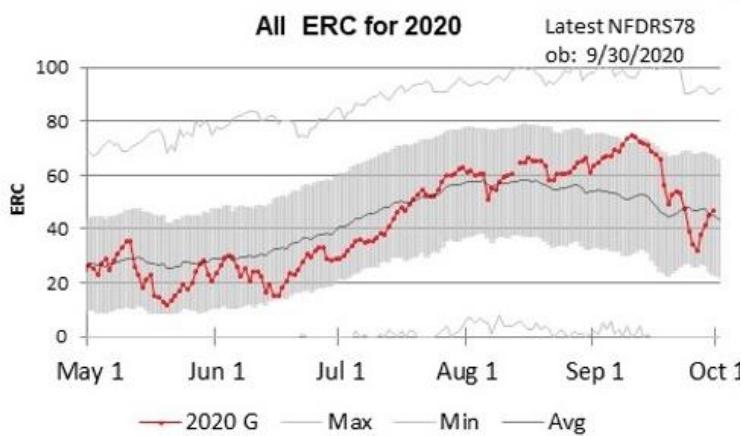
Overall, temperature was slightly above average for most of the Pacific Northwest. Rain in western Washington and northwest Oregon eased drought late in fire season but southwest Oregon and much of eastern Oregon and eastern Washington remained quite dry.



### Seasonal Fire Danger Summary

Energy Release Component (ERC) climbed from a below average values early in fire season 2020 to well above average by early September. Some reporting regions smashed 30-year record values in the aftermath of the historic fire outbreak in early September. ERC plunged with the onset of rain in the third week of September. See Northwest Energy Release Component by PSA Appendix for 2020 ERC graphs.

**Chart 4: 2020 Northwest Energy Release Component Trend**



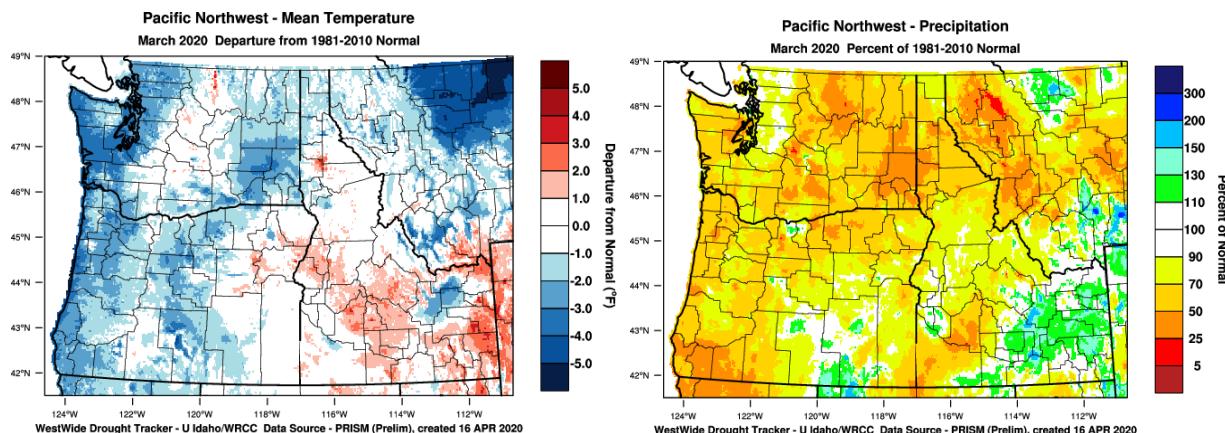
## Fire Season Monthly Review

### March

#### Weather Trends

Precipitation was periodic over the region during March 2020, but monthly totals ended up much less than typical for the great majority of the northwest geographic area. Temperatures averaged at or below normal for the geographic area.

Snowpack was above average for the higher elevation reporting basins in Washington and northeastern Oregon. Cool temperatures through March helped preserve the snow on the ground and more was accumulating in most basins. However, new snow accumulation fell behind average over southwestern Oregon where totals were roughly 75% of normal for late March.



#### March Fire Danger Trends

Energy Release Component across the region hovered near normal during March but fell due to wetter weather at the end of the month.

#### March Fire Activity

Over one hundred fire ignitions were reported in March across the geographic area. The first large fire, the Sodhouse incident, occurred on March 5<sup>th</sup> on the Malheur NWR and grew to 1,000 acres. Otherwise, fires that occurred within the geographic area consumed minimal acres. Agricultural burning was evident in various sections of the geographic area from satellite detections.

### April

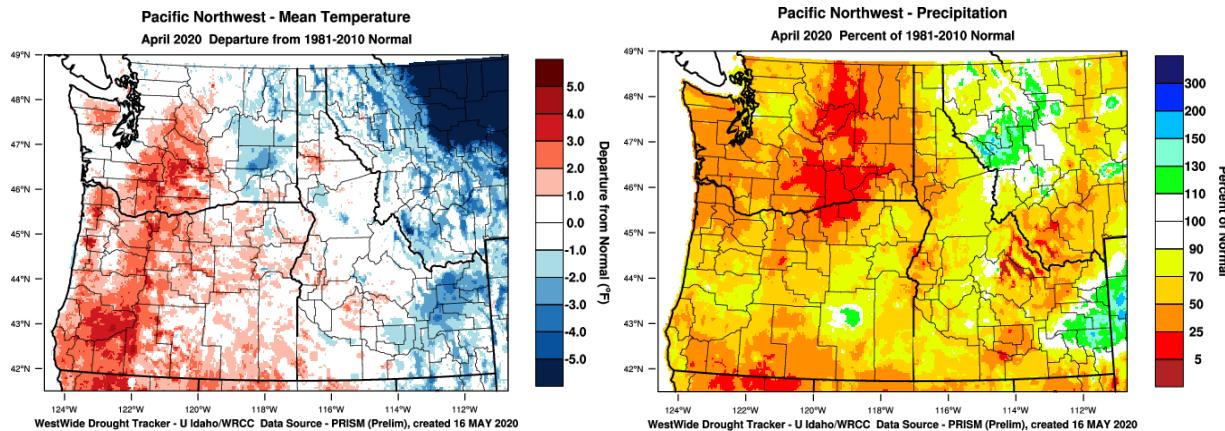
#### Weather Trends

Precipitation remained quite low for April across the Northwest Geographic Area, especially in the Columbia Basin. After the first few days of the month very little precipitation occurred for roughly two weeks. Periodic precipitation fell in the last week of the month but overall, the monthly rainfall totals were below normal.

In contrast to March, temperature in April warmed up back to above normal over much of Oregon and the Washington Cascades. The Columbia Basin and sections of northeastern Oregon remained cooler than typical for the month.

## FIRE SEASON OVERVIEW | Fire Season Monthly Review

Snowpack at higher elevations remained above average for Washington and northeastern Oregon. Snowpack was less than typical over the Oregon Cascades and southwest Oregon.



### April Fire Danger Trends

NFDRS Energy Release Component values (model G) for the geographic area varied in April, climbing a bit above average in the middle of the month then falling again late in the month. ERC values reached record highs for mid-April in some west side PSAs.

### April Fire Activity

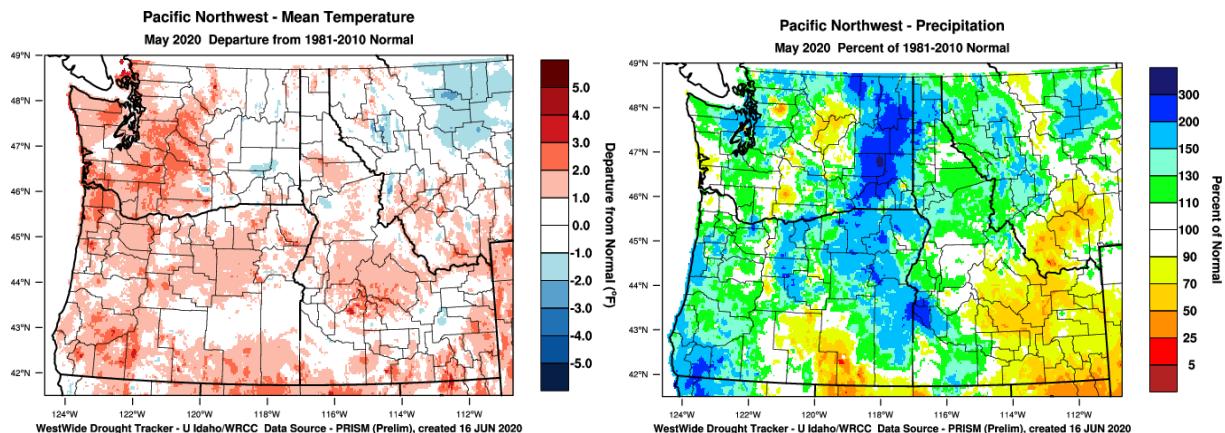
Several small accidental fires were reported in both Oregon and Washington in April, particularly in central Washington during dry, windy weather. These were doubtlessly aided by the unusually low fuel moisture reported in the middle of the month.

## May

### Weather Trends

Temperatures across the geographic area were generally above normal for May in western Washington and most of Oregon. Elsewhere, temperature averaged near normal. Precipitation was generally above average for the month except for central Washington and sections of eastern Oregon. An outbreak of wet thunderstorms in mid-month brought days of cloudy, showery weather to much of the geographic area.

Due to the months of warm and relatively dry weather, snowpack across the region remained unusually low and continued to decline rapidly. Most reporting basins around the region had less than 25% of normal snow water equivalent as of late May with many basins in Oregon reporting no snow.



### **May Fire Danger Trends**

NFDRS Energy Release Component values (model G) for the region hovered near average in early May then went below average most of the month due to wet weather.

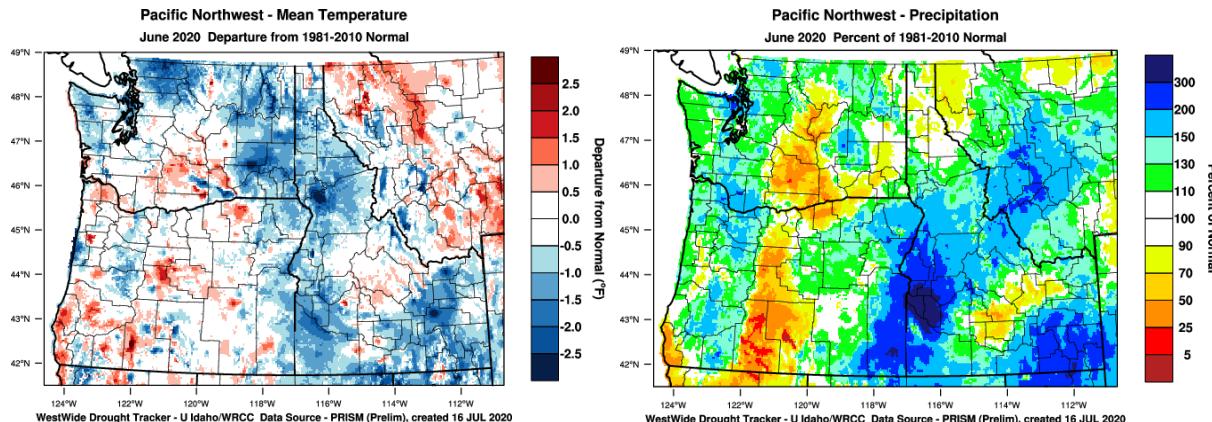
### **May Fire Activity**

Wildfire activity was minimal in May 2020 due to sufficiently wet weather.

## **June**

### **Weather Trends**

Precipitation across the Northwest Geographic Area was ample in June due to a series of Pacific weather systems. Most areas received above average rain accumulation except for central Oregon and central Washington. Temperatures were cooler than usual for June for much of Washington while Oregon was near normal on average.



### **June Fire Danger Trends**

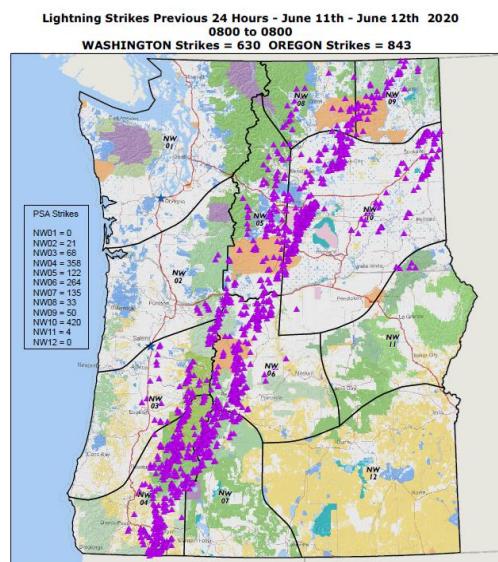
NFDRS Energy Release Component (model G) for the region hovered near average early in June then fell well below average in the middle of the month and stayed below average for the remainder of the month.

### **June Lightning**

6,976 strikes were tabulated by NWCC Predictive Services in June 2020. This was 44% of the normal of June strikes (15,797). The most daily strikes occurred on June 11th with 1,473 strikes.

### **June Fire Activity**

The number of wildfires over the geographic area was less than typical in June 2020 due to the wet and cool weather.



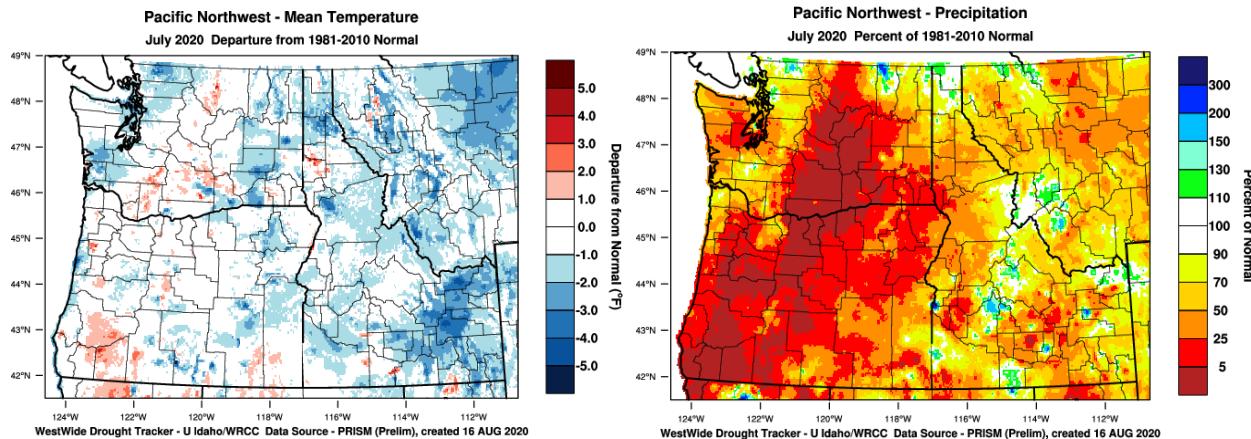
**June 11<sup>th</sup> – 12<sup>th</sup> Lightning Strikes**

## July

### Weather Trends

Temperature across the region lagged below normal for much of early July but gradually warmed back to normal during the month. A significant heat wave struck during the last week of the month. Overall, temperatures ended up near normal across the geographic area for July. Overnight humidity recovery gradually worsened during July over much of the region except western Washington. This helped boost fire danger.

Precipitation in July was well below normal for the region with the only exceptions being the north Washington Cascades and northeastern Washington.



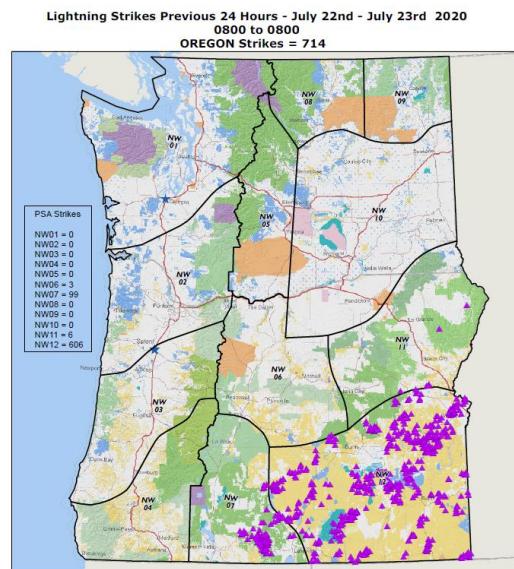
### July Fire Danger Trends

NFDRS Energy Release Component (model G) for the whole region was below average in the early part of the month but rose steadily. In central Oregon and central Washington (PSAs NW05, NW06, NW07, NW08) tracked at or above average through much of July.

### July Lightning

2020 continued the trend of below-average lightning activity of the last five Julys. 3,762 strikes were tabulated by NWCC Predictive Services for the month. This was 16% the July average of 23,283 strikes.

The most daily strikes occurred on July 22<sup>nd</sup> with 897 strikes, mainly over southeastern Oregon.



**July 22<sup>nd</sup>-23<sup>rd</sup> Lightning Strikes**

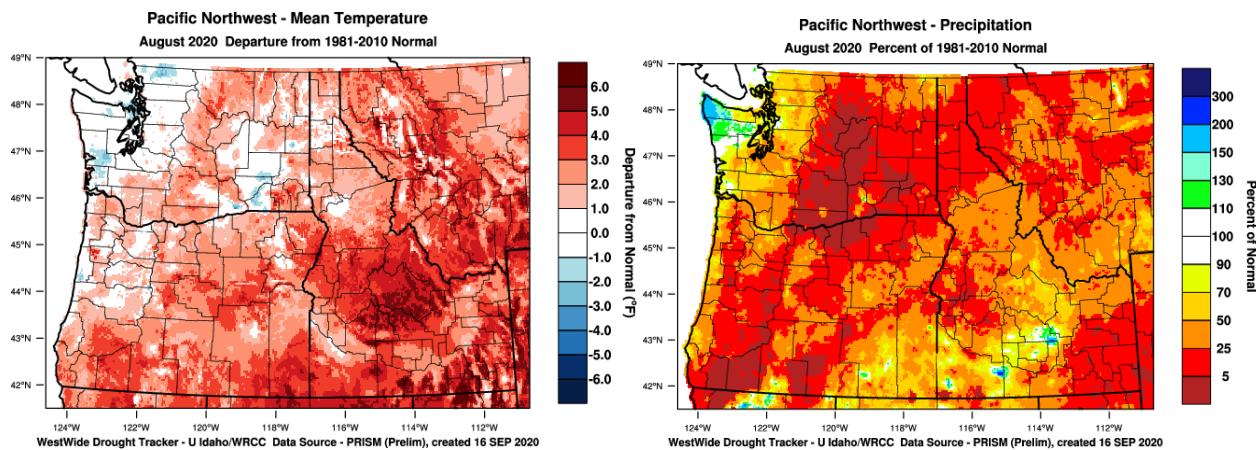
### July Fire Activity

The numbers of fires and acreage burned remained well below average for the geographic area for the first three weeks of July. In the last week of the month lightning and rising fire danger combined to bring more ignitions and several large fires requiring incident management teams mainly in central Washington and central Oregon. Overall, the number of fires and acreage burned for July were below normal.

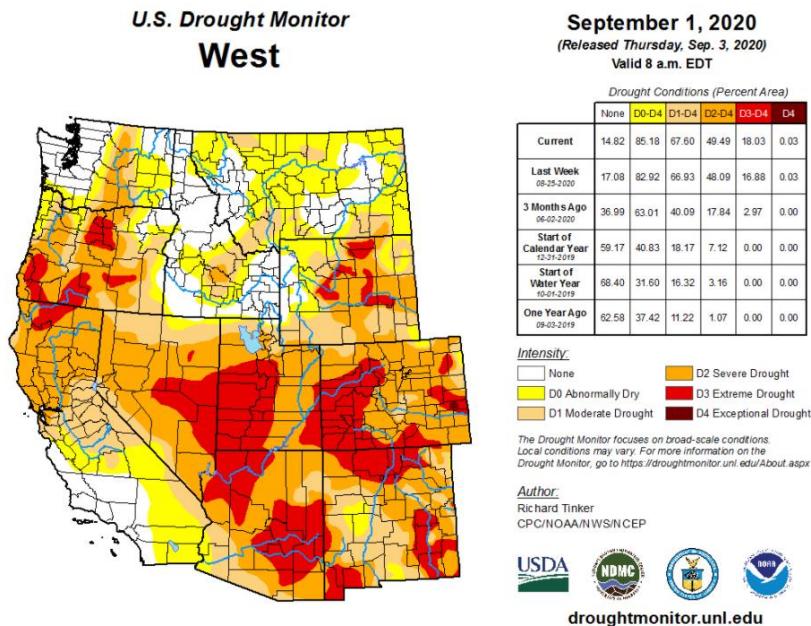
## August

### Weather Trends

Precipitation was well below normal for the majority of the Northwest Geographic Area in August 2020. A frontal system around August 21<sup>st</sup> brought some precipitation to western Washington and sections of western Oregon but otherwise conditions were quite dry. The debt of precipitation remained acute in central Washington, central Oregon, and most of southwest Oregon. Temperatures for August ended up above average despite a cool start to the month. Temperatures warmed well above average during a hot spell in the middle of the month.



Drought continued to worsen over central Oregon, central Washington, as well as in southwest Oregon.



### August Fire Danger Trends

August began with Energy Release Component values at or below average due to a brief cool spell that affected most of the geographic area early in the month. ERC climbed steadily as temperatures grew warmer and relative humidity dropped. At the middle of the month another weather system brought a brief dip in ERCs, but fire danger climbed afterwards.

### August Lightning

7,805 strikes were tabulated by NWCC Predictive Services in August, 38% of the average August strike count of 20,310.

The biggest lightning day of August was the 18th with 1,959 strikes mainly over eastern Oregon.

### August Fire Activity

The numbers of fires and acreage burned remained below average for the geographic area for the first week of August. However, a very warm and dry spell in mid-August boosted fire danger well above average. The onset of several days of lightning brought scores of fire starts mainly in central and eastern Oregon and central Washington. Over a dozen large fires resulted with the subsequent deployment of Type III, Type II, and Type I incident management teams. The geographic area elevated to Preparedness Level 3 on August 17<sup>th</sup> for two days and then to PL 4 on August 19<sup>th</sup> in response to the increased firefighting resource demand after having remained at PL 2 during June and July. Overall, the number of fires and acreage burned for August 2020 was above average; 8% of acres burned in the geographic area in 2020 occurred during August.

## September

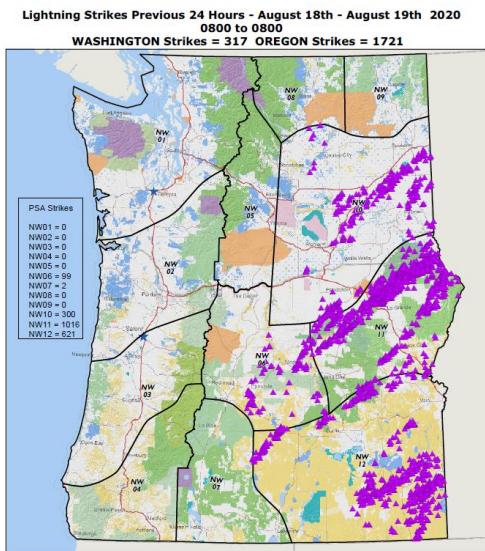
### Weather Trends

The very dry trend observed in July and August 2020 across the region continued for the first half of September. Daily values of minimum relative humidity and corresponding overnight recoveries maintained a worsening trend from late August through mid-September, falling steadily below average.

### Historic Windstorm on September 7th and 8th

On September 7<sup>th</sup> and 8<sup>th</sup>, a strong dry cold front moving south from Canada pushed across the geographic area bringing record breaking strong winds and low relative humidity to much of the region. As winds calmed behind the front, smoke from multiple large fires settled into western Oregon and Washington creating unhealthy air quality and poor visibility that spread over the next ten days and covered regions on both sides of the Cascades.

Strong winds diminished in the aftermath of the cold front, but the dry air and heavy smoke lingered until several Pacific frontal systems brought rain on September 18<sup>th</sup>, and again on the 24<sup>th</sup>. It was concentrated mainly where it was most welcome in western Washington and most of northwest Oregon, where rainfall totals went well above normal for the month. However, eastern Washington,



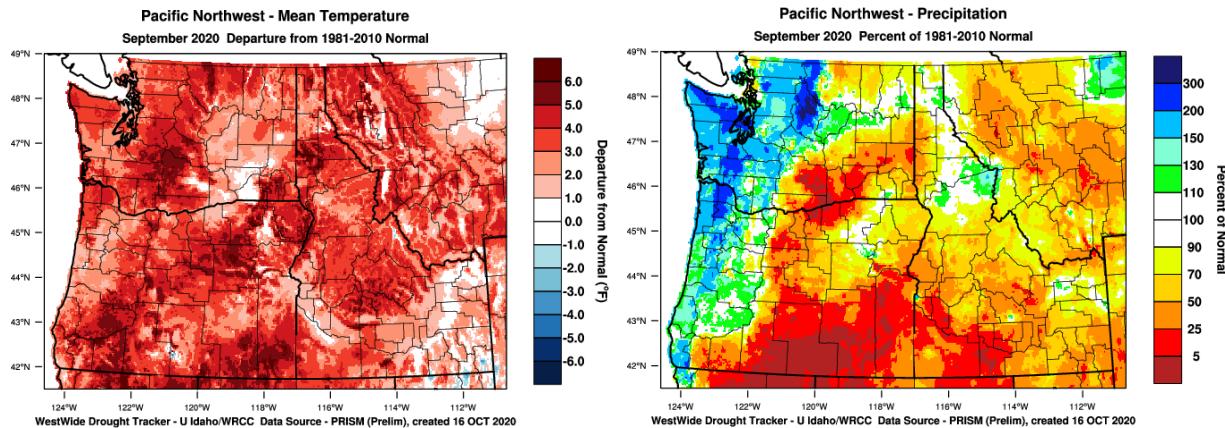
**August 18<sup>th</sup>-19<sup>th</sup> Lightning Strikes**

## FIRE SEASON OVERVIEW | Fire Season Monthly Review

eastern Oregon, and southwest Oregon did not accumulate as much precipitation and rainfall totals remained below average for the month.

Air quality improved considerably with the arrival of the Pacific frontal systems. Despite the arrival of cold fronts, temperatures were above normal for September over the entire Northwest Geographic Area.

Overall temperatures were above average for the geographic area for September.



### September Fire Danger Trends

September began with Energy Release Component values above average and rising steadily in every part of the region. During and after the dry cold front event on September 7<sup>th</sup> and 8<sup>th</sup>, Energy Release Component and Burning Index reached or exceeded extreme values set over the last 3 fire seasons in several reporting areas. Following the arrival of several wet frontal systems ERC dropped below normal for late September. Fire danger rose again as warm and dry weather returned at the end of the month.

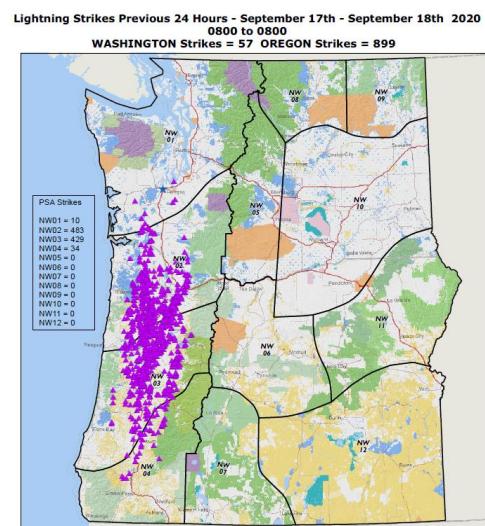
### September Lightning

2,628 strikes were tabulated by NWCC Predictive Services in September, 31% of the normal total of 8,332 strikes for September.

The biggest lightning day of September was the 17<sup>th</sup>, with 1,214 strikes occurring mainly over the Willamette Valley of Oregon.

### September Fire Activity

The Northwest Geographic Area was already busy at Preparedness Level 4 in early September 2020 with a dozen large incidents receiving support, including Type I, Type II, and Type III IMTs in both Oregon and Washington. On September 7<sup>th</sup> and 8<sup>th</sup>, a dry cold front swept in from Canada



**September 17<sup>th</sup>-18<sup>th</sup> Lightning Strikes**

## FIRE SEASON OVERVIEW | Fire Season Monthly Review

with strong winds that accelerated the already busy fire activity in the Northwest. Eastern Washington and the Cascades of western and southern Oregon saw the greatest impacts from this cold front.

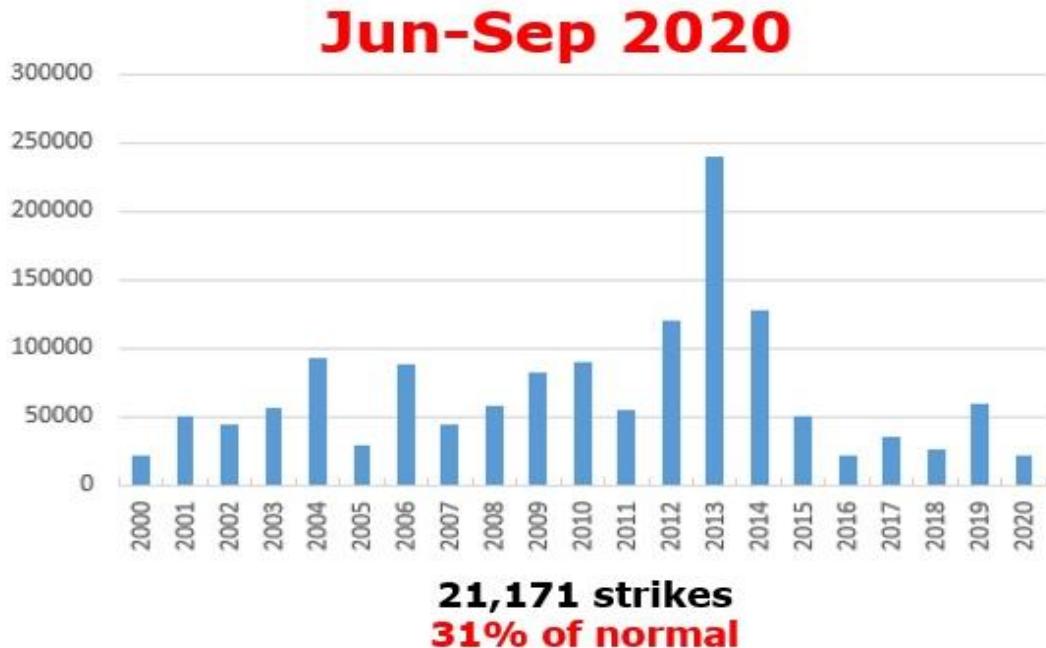
The resulting fast-moving firestorms in timber, brush, and grasses burned over 1.76 million acres on new and existing large fires across the geographic area from September 7<sup>th</sup> through 13<sup>th</sup>, during and shortly after the wind event. The event proved to be an unprecedented disaster for communities and there was significant resource loss in and near the Oregon Cascades.

Fire activity was well above average for the region for September both in terms of numbers of fires and acreage burned; 90% of acres burned in the geographic area in 2020 occurred during September.

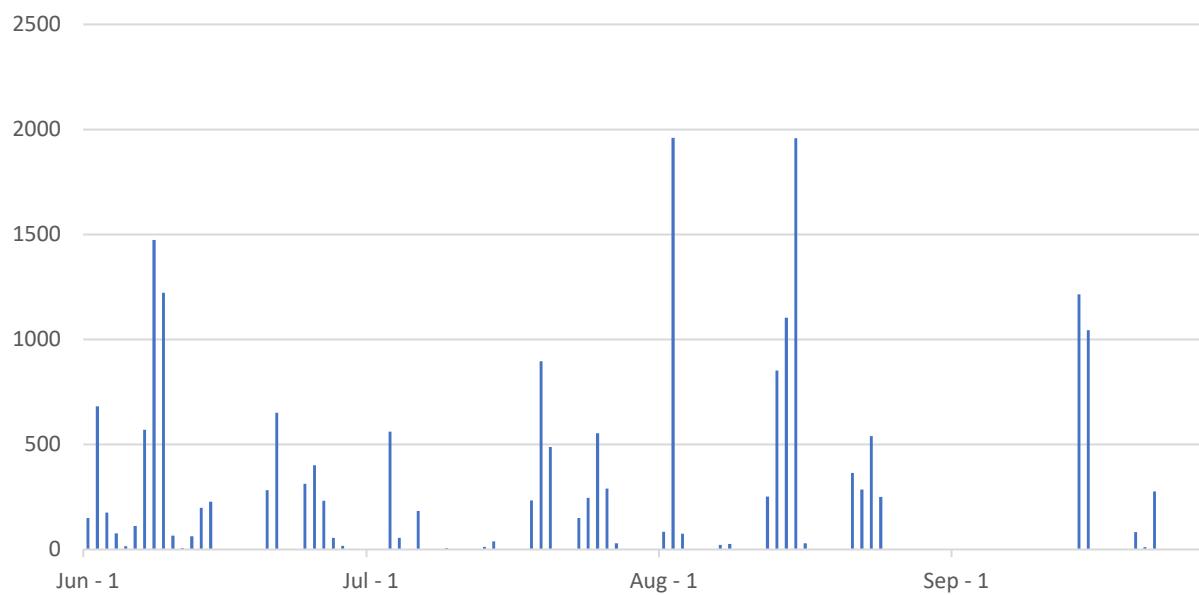
## NW Lightning Summary

21,171 strikes were recorded in the geographic area in June through September of 2020. This was only 31% of the average of 67,723 strikes for a four-month season.

**Chart 5: NW Lightning Total Strikes (by Year)**



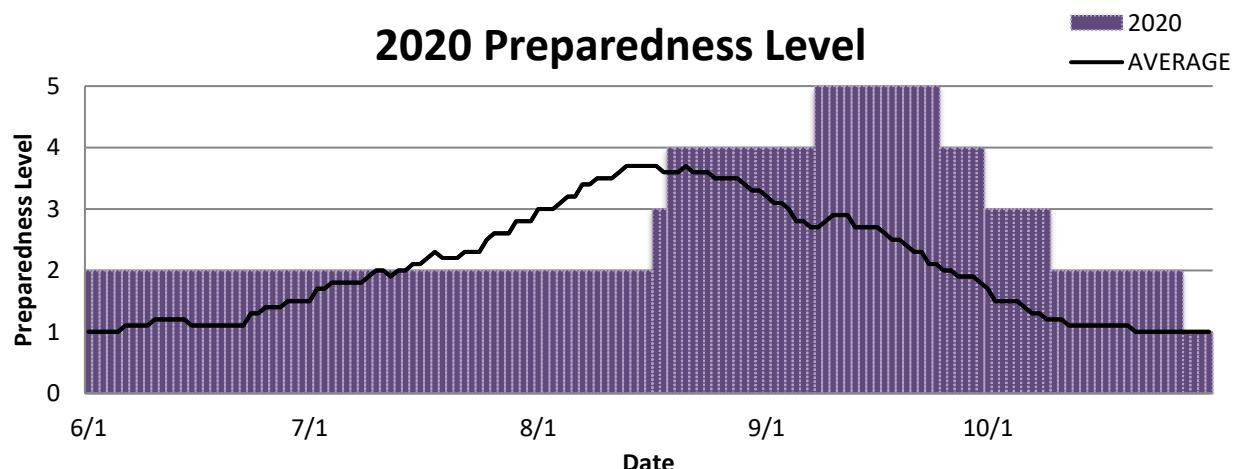
**Chart 6: 2020 Northwest Daily Lightning Strikes (June 1 – September 30)**



## NW Preparedness Review

The Northwest began 2020 with an historically early Preparedness Level (PL) change due to the mobilization of several incident management teams that began on March 15 in response to the COVID-19 Pandemic. The first change to the PL occurred on March 25<sup>th</sup>, from PL 1 to PL 2, where it remained until the start of fire activity in the Northwest. Increased support to areas outside the geographic area along with wide-spread lightning that ignited significant fires in the Cascades and in eastern Oregon and Washington led to an increase to PL 3 on August 16<sup>th</sup>. Increased growth of existing large fires due to a hot, dry weather pattern and the resulting commitment of resources quickly provided conditions for an increase to PL 4 on August 19<sup>th</sup>. The Labor Day wind event that occurred from September 7<sup>th</sup> through the 10<sup>th</sup> led to heavy initial attack activity, substantial growth on new and existing fires, a significant spike in resource commitment - over 9,000 firefighters were subsequently assigned to multiple Type I, II, and III incidents. These conditions resulted in an elevation to PL 5 that lasted for 17 days. The drop to a PL4 occurred on September 25<sup>th</sup> as containment of many large fires occurred and resources were released and reassigned. The latter half of the season resembles the trend of the latter half of 2017, with resource commitment within the GACC extending well into October. The change to PL 3 occurred on October 1<sup>st</sup> where it remained for nine days with PL 2 occurring on October 28<sup>th</sup>. The arrival of PL 1 occurred on October 28<sup>th</sup>, after observing sustained light initial attack and most of the large fires within the GACC reaching containment.

**Chart 7: 2020 Preparedness Level vs. 10-Year Average (June 1 – Oct. 31)**



## FIRE STATISTICS & MAPS

Data in this section comes from the Interagency Situation Report (SIT Report), as reported by NW dispatch offices as of 12/31/2020. The information represented below display fire statistics based on the protecting agency, not land ownership. 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 GA 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.

### 2020 NW Fires & Acres

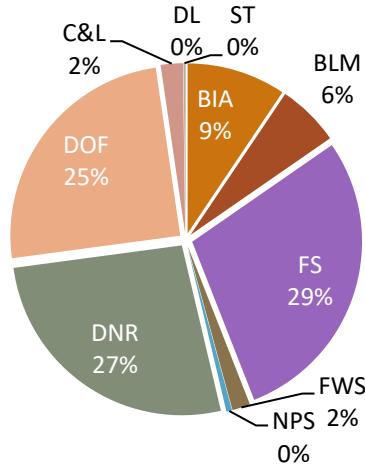
The table below represents the 2020 fire summary by Agency and State. Like previous years, the total number of fire occurrences in the Northwest reached near the 10-Year average mark, whereas the total acres burned was well above, reaching to 223% of the 10-Year average. For the full Year-end Situation Report by individual Units refer to *Appendix, NW Situation Report*.

**Table 1: 2020 NW Fires & Acres by State & Agency (by Protecting Agency)**

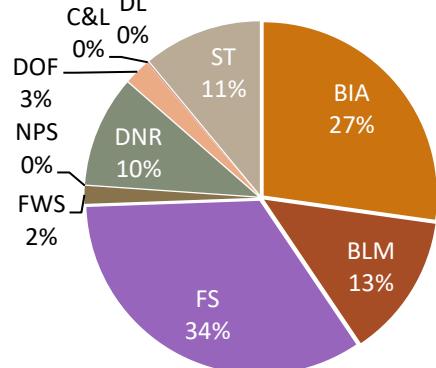
		Human		Lightning		Total	
State	Agency	Fires	Acres	Fires	Acres	Fires	Acres
Idaho	FS	0	0	0	0	0	0
<b>Idaho Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Oregon	BIA	159	2,069	25	213,748	184	215,817
	BLM	86	184,205	73	49,842	159	234,047
	C&L	5	8	0	0	5	8
	DL	0	0	0	0	0	0
	DOF	798	44,677	158	3,095	956	47,772
	FS	488	447,518	397	194,629	885	642,147
	FWS	9	1,021	3	798	12	1,819
	NPS	8	1	6	1	14	2
<b>Oregon Total</b>		<b>1,553</b>	<b>679,500</b>	<b>662</b>	<b>462,113</b>	<b>2,215</b>	<b>1,141,613</b>
Washington	BIA	176	324,493	3	4	179	324,497
	BLM	68	30,101	2	79	70	30,180
	C&L	76	2,656	0	0	76	2,656
	DNR	991	204,994	33	144	1,024	205,138
	FS	182	25,591	38	4,471	220	30,061
	FWS	50	30,924	4	249	54	31,173
	NPS	3	84	4	1	7	85
	ST	8	218,568	0	0	8	218,568
<b>Washington Total</b>		<b>1,554</b>	<b>837,411</b>	<b>84</b>	<b>4,947</b>	<b>1,638</b>	<b>842,358</b>
<b>Grand Total</b>		<b>3,107</b>	<b>1,516,910</b>	<b>746</b>	<b>467,060</b>	<b>3,853</b>	<b>1,983,971</b>

**Charts 8/9: NW 2020 Reported Fires & Acres by Agency as a Percentage of the Total**

**NW 2020 Reported Fires by Agency (by Protection) as a Percentage of Total**

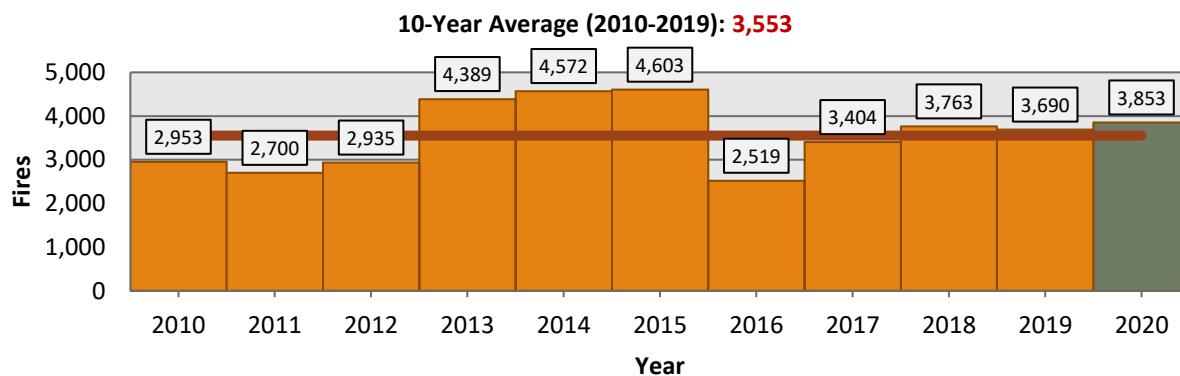


**NW 2020 Reported Acres Burned by Agency (by Protection) as a Percentage of Total**

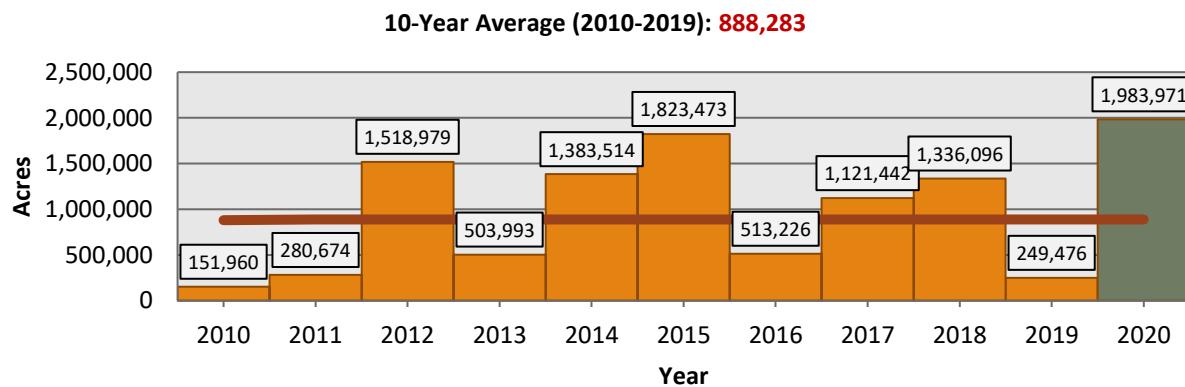


**Current & Historical Fires & Acres (Oregon & Washington)**

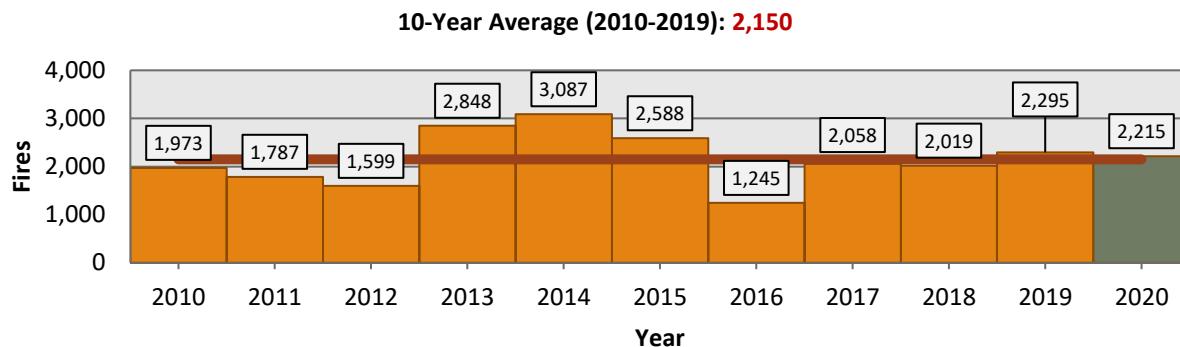
**Chart 10: NW 2020 Reported Fires vs. 10-Year Average**



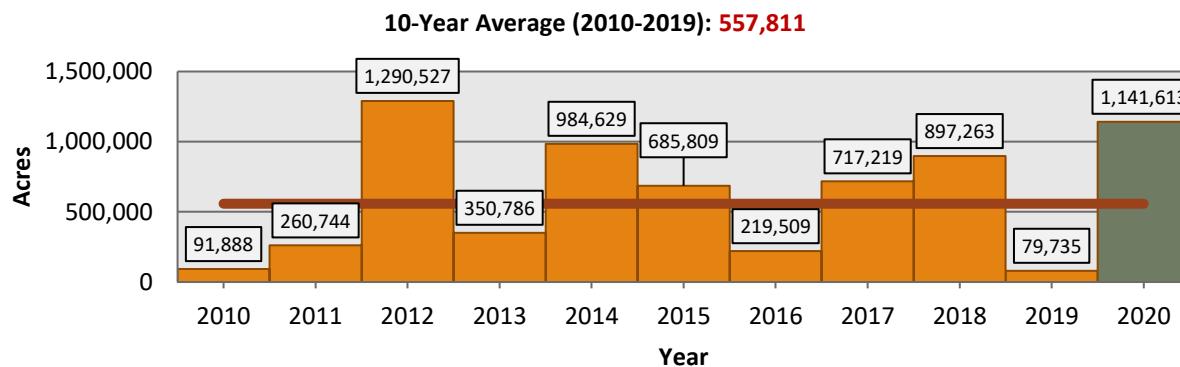
**Chart 11: NW 2020 Reported Acres Burned vs. 10-Year Average**



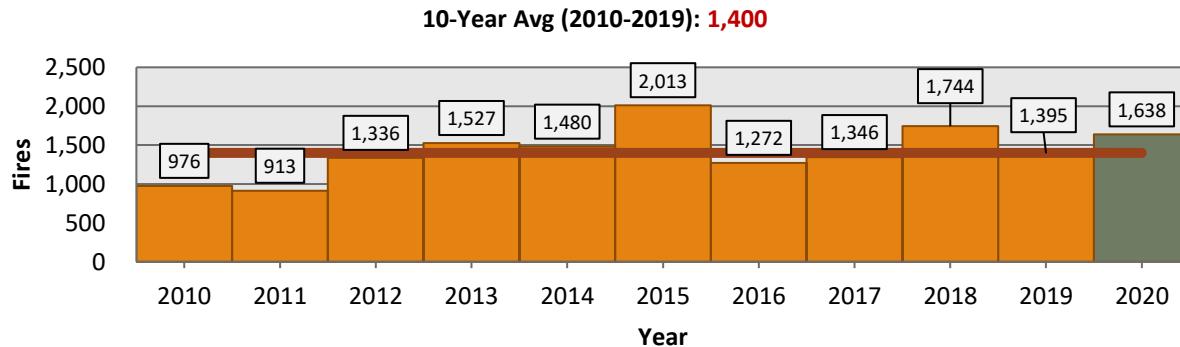
### Chart 12: Oregon 2020 Reported Fires vs. 10-Year Average



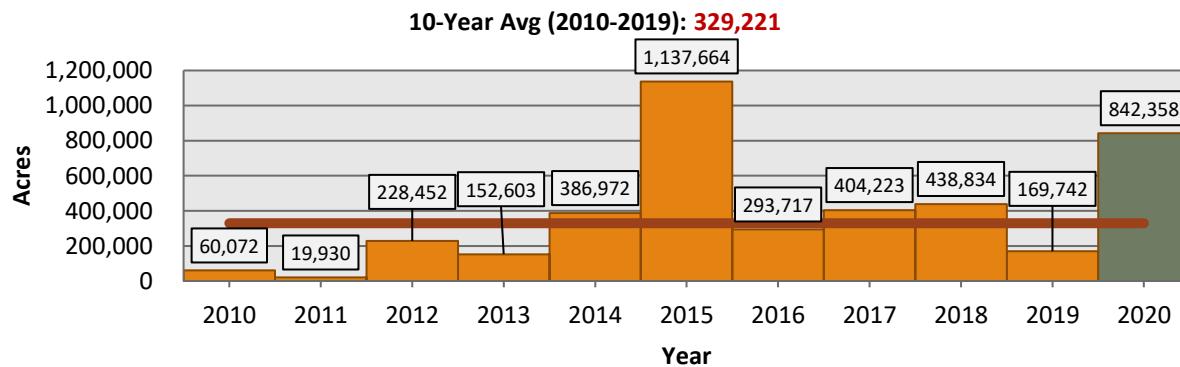
### Chart 13: Oregon 2020 Reported Acres Burned vs. 10-year Average



### Chart 14: Washington 2020 Reported Fires vs. 10-Year Average



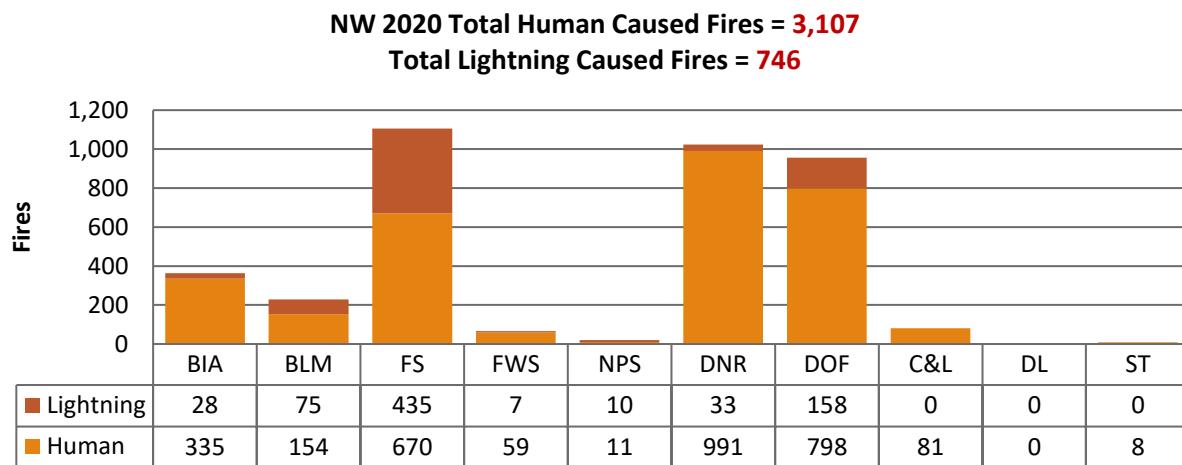
### Chart 15: Washington 2020 Reported Acres Burned vs. 10-Year Average



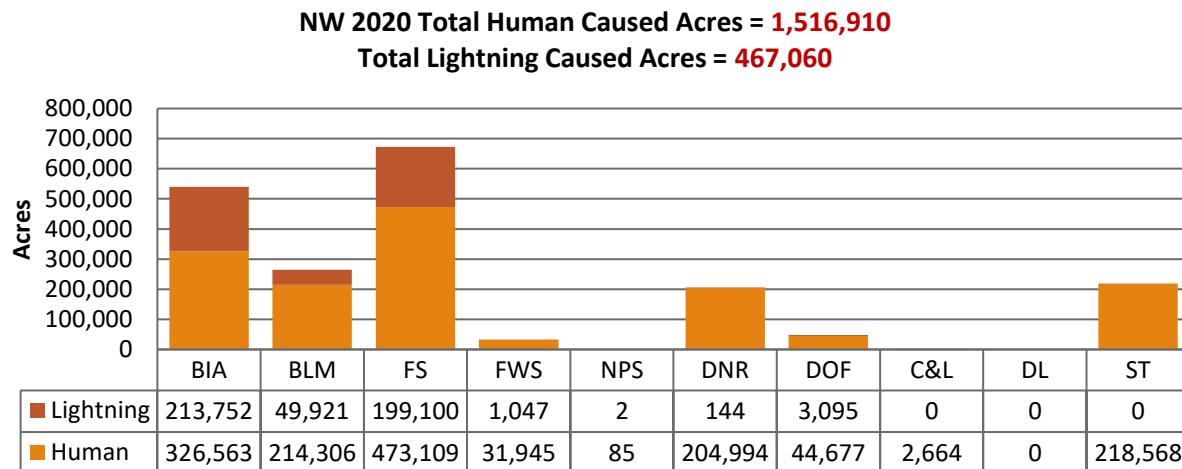
### Fires & Acres by Cause

The 2020 fire season observed over 4.1 times the number of human caused fires compared with lightning caused fires, and over 3.2 times the amount of human caused acres compared with lightning 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 1.6 times that of lightning caused fires, and 0.5 times the amount of human caused acres compared with lightning caused acres.

**Chart 16: NW 2020 Reported Fires & Cause (by Protecting Agency)**

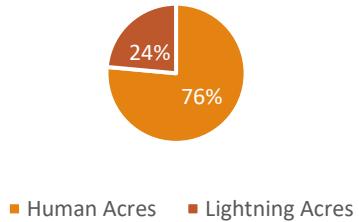


**Chart 17: NW 2020 Reported Acres Burned & Cause (by Protecting Agency)**

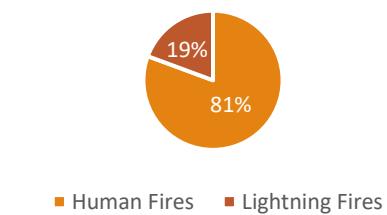


**Charts 18/19: NW 2020 Reported vs 10 Yr. Average Fires & Acres by Cause**

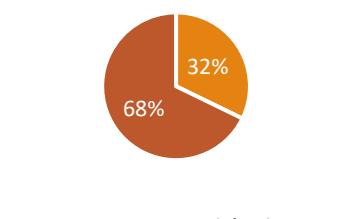
2020 NW Human vs. Lightning  
Acres Burned as a Percentage of Total



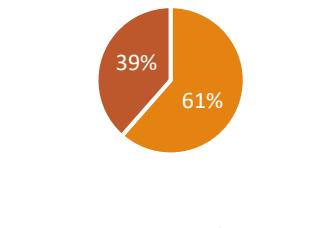
2020 NW Human vs. Lightning  
Number of Fires as a Percentage of Total



10 Year Average, NW  
Human vs. Lightning  
Acres Burned



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



## NW 2020 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: 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
<b>Full Suppression</b>	Gibbon	WA-SPD	5/31	6/2	3	H	G	845	10	8 mi E of Prosser, WA
	Big Horn	WA-SPD	6/30	7/3	3	H	G	400	05	7 mi SE of Ellensburg, WA
	Pothole	WA-COA	7/6	7/9	3	H	G	351	08	3 mi NE of Omak, WA
	Saddle Mountain	WA-MCR	7/6	7/12	3	H	G	8,063	10	19 mi E of Mattawa, WA
	Road 11	WA-WFS	7/11	7/15	3	U	B	9,330	10	8 mi SW of Mansfield, WA
	Bertschi Road	WA-SES	7/16	7/27	2	H	T	250	05	5 mi S of Glenwood, WA
	Greenhouse	WA-COA	7/23	8/2	2	U	G	5,320	08	1 mi SW of Nespelem, WA
	Colockum	WA-SES	7/24	8/1	3	H	B	2,967	10	3 mi SW of Malaga, WA
	Anglin	WA-NES	7/27	8/1	3	H	T	1,992	09	10 mi E of Tonasket, WA
	Green	WA-NES	7/27	7/29	3	H	G	1,480	08	10 mi NE of Riverside, WA
	Coulee Meadows	WA-SPD	7/30	8/2	3	U	B	794	10	18 mi NW of Ephrata, WA
	Konnowac	WA-SPD	8/3	8/12	3	H	G	1,083	05	7 mi SE of Yakima, WA
	North Brownstown	WA-YAA	8/6	8/8	4	H	G	344	05	10 mi SW of Union Gap, WA
	Lower Coyote Creek	WA-COA	8/9	8/15	3	U	T	2,582	08	2 mi SW of Nespelem, WA
	Badger Lake	WA-NES	8/16	8/19	3	H	T	244	10	10 mi SW of Cheney, WA
	Chief Timothy	WA-WFS	8/16	8/19	3	H	B	1,400	10	6 mi W of Clarkston, WA
	Taylor Pond	WA-MCR	8/17	8/20	3	U	G	24,892	10	12 mi E of Yakima, WA
	Jungle Creek	WA-OWF	8/17	9/6	3	L	T	588	05	13 mi SW of Cle Elum, WA
	Palmer	WA-SPD	8/18	9/3	2	U	T	17,988	08	7 mi SW of Oroville, WA
	Evans Canyon	WA-SES	8/31	9/23	2	U	G	75,817	05	8 mi NW of Naches, WA
	Cold Springs	WA-COA	9/6	9/24	3	U	G	189,923	08	3 mi S of Omak, WA
	Inchelium Complex	WA-COA	9/7	9/27	2	U	T	19,399	08	1 mi N of Inchelium, WA
	Babb	WA-NES	9/7	9/13	2	U	G	15,269	10	5 mi NW of Rosalia, WA
	Customs Road	WA-NES	9/7	9/16	3	H	G	2,208	09	1 mi W of Curlew, WA
	Whitney	WA-NES	9/7	9/28	2	U	G	127,430	10	6 mi NW of Davenport, WA
	Apple Acres	WA-SES	9/7	9/20	2	H	G	5,500	10	3 mi E of Chelan, WA
	Beverly Burke	WA-SPD	9/7	9/10	3	H	B	920	10	7 mi SE of Vantage, WA
	Kahlotsu	WA-SPD	9/7	9/9	4	H	G	22,000	10	14 mi E of Connell, WA
	Manning Rd	WA-WFS	9/7	9/13	2	U	G	2,685	10	5 mi NW of Colfax, WA
	Paterson	WA-WFS	9/7	9/12	4	U	G	1,460	10	1 mi W of Paterson, WA
	Pearl Hill	WA-WFS	9/7	9/28	2	U	G	223,730	10	9 mi E of Bridgeport, WA
	Sumner Grade	WA-WFS	9/7	9/15	3	U	G	494	10	4 mi W of Sumner, WA
	Fish	WA-SPS	9/8	9/22	3	H	T	132	02	5 mi E of Enumclaw, WA
	Wawawai Canyon	WA-WFS	9/12	9/13	3	U	G	303	10	14 mi S of Pullman, WA
	Cold Creek	WA-OWF	9/14	11/20	3	H	T	564	05	38 mi W of Yakima, WA
<b>Monitor</b>	North Brownstown 3	WA-YAA	8/16	8/23	3	H	G	5,981	05	10 mi SW of Union Gap, WA
<b>Monitor, Confine</b>	Downey Creek	WA-MSF	8/16	10/30	4	L	T	3,166	01	18 mi NW of Darrington, WA
	North Brownstown 2	WA-YAA	8/8	8/10	4	H	B	884	05	10 mi SW of Union Gap, WA
<b>Monitor, FS</b>	East Beach Road*	WA_OLP	7/29	10/1	3	U	T	84	01	15 mi W of Port Angeles, WA
<b>Confine, Full Suppression</b>	Tule Road	WA-YAA	8/16	9/7	4	H	B	702	05	4 mi SW Granger, WA
	Chikamin	WA-OWF	7/31	10/1	3	L	T	2,151	05	11 mi NE of Lake Wenatchee, WA
<b>Monitor, Confine, PZP, FS</b>	Big Hollow	WA-GPF	9/8	11/13	2	H	T	24,995	02	9 mi N of Stabler, WA
Washington Count 42								Total Acres 806,710		

**Table 3: Oregon 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
<b>Full Suppression</b>	Sodhouse	OR-MAR	3/5	3/8	3	H	G	1,000	12	25 Mi SE of Burns, OR
	Rock Creek 0103 RN	OR-PRD	4/29	4/30	4	H	G	1,038	10	14 mi SW of Arlington, OR
	Doe Creek	OR-FWF	5/29	6/11	3	L	T	111	07	19 mi SE of Chemult, OR
	Teller Flat 0281 OD	OR-951S	6/23	6/25	4	H	G	948	06	12 mi E of Madras, OR
	Milepost 91	OR-WSA	7/9	8/31	4	U	G	787	06	15 mi NW of Warm Springs, OR
	Rosland Road 0429 NE	OR-DEF	7/18	7/22	3	H	T	393	07	4 mi NE of La Pine, OR
	Ben Young	OR-982S	7/21	7/31	2	H	T	1,249	07	13 mi S of Paisley, OR
	Krumbo	OR-MAR	7/22	7/23	4	L	B	329	12	9 mi SW of Diamond, OR
	Pine Creek 0480 RN	OR-PRD	7/26	7/27	3	U	G	307	06	5 mi SW of Ashwood, OR
	Dragon Rock	OR-LAD	7/28	7/31	4	L	G	858	12	29 mi E of Christmas Valley, OR
	Worthington	OR-711S	7/30	8/16	3	L	T	761	04	5 mi NE of Eagle Point, OR
	Fir Mountain	OR-954S	8/1	8/13	3	H	T	313	06	9 mi S of Hood River, OR
	Neals Hill	OR-BUD	8/5	8/13	2	L	G	3,391	12	20 mi SE of Princeton, OR
	Mud Creek	OR-BUD	8/5	8/27	2	L	B	236	12	10 mi E of Frenchglen, OR
	Buckhorn Creek	OR-952S	8/6	8/8	3	L	T	233	11	12 mi NW of Dayville, OR
	Mosier Creek	OR-954S	8/12	8/18	1	H	T	985	06	2 mi S of Mosier, OR
	Green Ridge 0684 CS	OR-DEF	8/16	9/1	1	L	T	4,338	06	12 mi NW of Sisters, OR
	Crane	OR-FWF	8/16	9/8	2	L	T	2,993	07	10 mi SE of Lakeview, OR
	Frog 0657 RS	OR-OCF	8/16	8/31	2	L	T	4,020	06	8 mi S of Post, OR
	Indian Creek	OR-VAD	8/16	9/16	2	U	B	48,128	12	9 mi E of Juntura, OR
	Beachie Creek	OR-WIF	8/16	10/28	1	U	T	193,573	03	15 mi n of Detroit, OR
	Lionshead	OR-WSA	8/16	11/13	1	L	T	204,469	06	20 mi W of Warm Springs, OR
	P515	OR-WSA	8/16	11/13	1	L	T	4,607	06	17 mi W of Warm Springs, OR
	Trout Creek	OR-BUD	8/17	8/20	4	L	G	312	12	22 mi SE of Fields, OR
	Wildcat	OR-BUD	8/17	8/28	3	L	B	3,456	12	14 mi W of Burns Junction, OR
	Anderson Crossing	OR-VAD	8/17	8/18	4	L	B	531	12	25 mi E of McDermitt, NV
	Baldy	OR-VAD	8/17	8/27	4	L	B	3,696	11	6 mi NE of Ironside, OR
	Little Mud Creek	OR-BUD	8/18	8/23	4	L	G	424	12	6 mil W of Frenchglen, OR
	Steet Mountain	OR-952S	8/19	8/27	1	L	T	699	06	9 mi N of Monument, OR
	Laurel 0741 PR	OR-PRD	8/19	8/31	1	L	B	1,257	06	5 mi S of Spray, OR
	Putnam Springs	OR-UMF	8/19	8/27	3	L	T	131	11	45 mi S of Heppner, OR
	Meacham Complex	OR-UMF	8/20	9/10	2	U	T	765	11	10 mi N of La Grande, OR
	Sweet Creek MP 2	OR-781S	8/30	9/12	1	H	T	307	03	1 mi S of Mapleton, OR
	Grizzly Creek	OR-711S	9/4	9/29	3	H	T	325	04	16 mi E of Ashland, OR
	Echo Mtn. Complex	OR-535S	9/7	9/21	1	H	T	2,552	02	4 mi E of Lincoln City, OR
	Clackamas County Fires	OR-581S	9/7	9/29	2	U	T	2,584	02	1 mi S of Molalla, OR
	Brattain	OR-FWF	9/7	10/6	2	H	T	50,951	07	8 mi S of Paisley, OR
	Two Four Two	OR-FWF	9/7	10/10	1	U	T	14,473	07	7 mi E of Fort Klamath, OR
	Wickiup	OR-VAD	9/7	9/8	4	H	G	751	12	5 mi NW of Annex, OR
	Holiday Farm	OR-WIF	9/7	10/26	1	U	T	173,393	03	3 mi W of McKenzie Bridge, OR
	Almeda Drive	OR-711S	9/8	9/14	2	U	G	3,200	04	4 mi NW of Ashland, OR
	S. Obenchain	OR-711S	9/8	10/3	2	U	T	32,671	04	5 mi E of Eagle Point, OR
	French Creek	OR-733S	9/8	9/22	AC	U	T	500	04	2 mi NW of Glide, OR
	Riverside	OR-MHF	9/8	12/3	1	H	T	138,054	03	8 mi SE of Estacada, OR
	Archie Creek	OR-UPF	9/8	11/16	1	U	T	131,542	04	20 mi E of Glide, OR
	Ritter	OR-952S	9/21	9/23	4	L	G	676	11	30 mi N of John Day, OR
	Rose Creek	OR-VAD	10/16	10/18	4	H	B	1,787	12	7 mi S of Ironside, OR
	Leslie Gulch	OR-VAD	11/5	11/16	4	H	B	5,147	12	23 mi NW of Jordan Valley, OR
<b>Confine</b>	Marsh	OR-KLR	5/28	6/1	4	L	G	450	07	23 mi SE of Chemult, OR
<b>Monitor, Full Suppression</b>	White River	OR-MHF	8/17	11/13	1	L	T	17,442	06	20 mi W of Wamic, OR
<b>PZP, Full Suppression</b>	Thielsen	OR-UPF	9/8	11/16	1	U	T	9,975	07	166 mi W of Chemult, OR
<b>Oregon Count</b>								<b>Total Acres</b> <b>1,073,118</b>		
<b>51</b>										

## NW 2020 Large Incident Summary

Source: ICS-209 Reports.

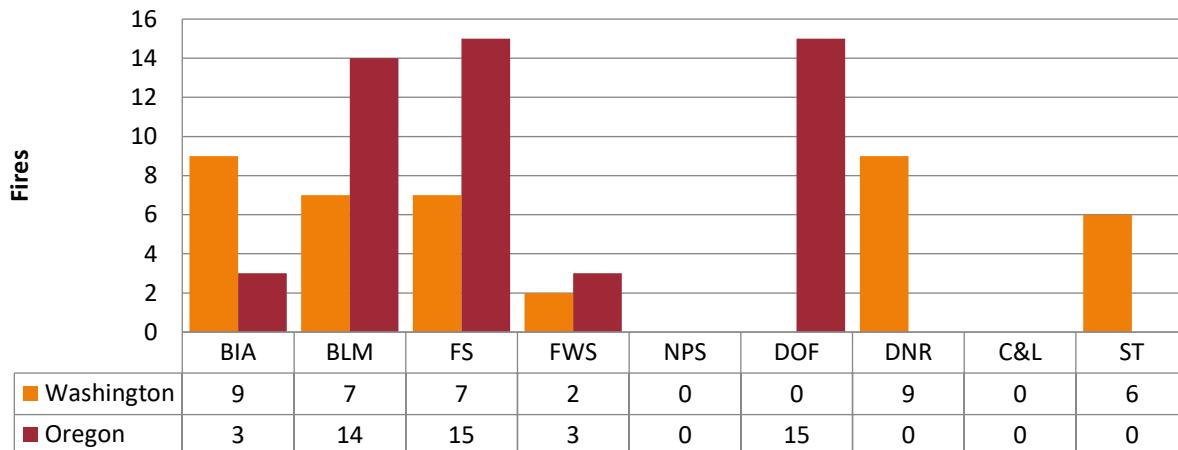
Per the National Mob Guide, an incident is considered a “Large Fire” if the fire is 100 acres or larger in timber, 300 acres or larger in grass/brush, or when a Type 1 or Type 2 IMT is assigned. The graphs below represent only the incidents from Table 2 & 3 that meet these criteria.

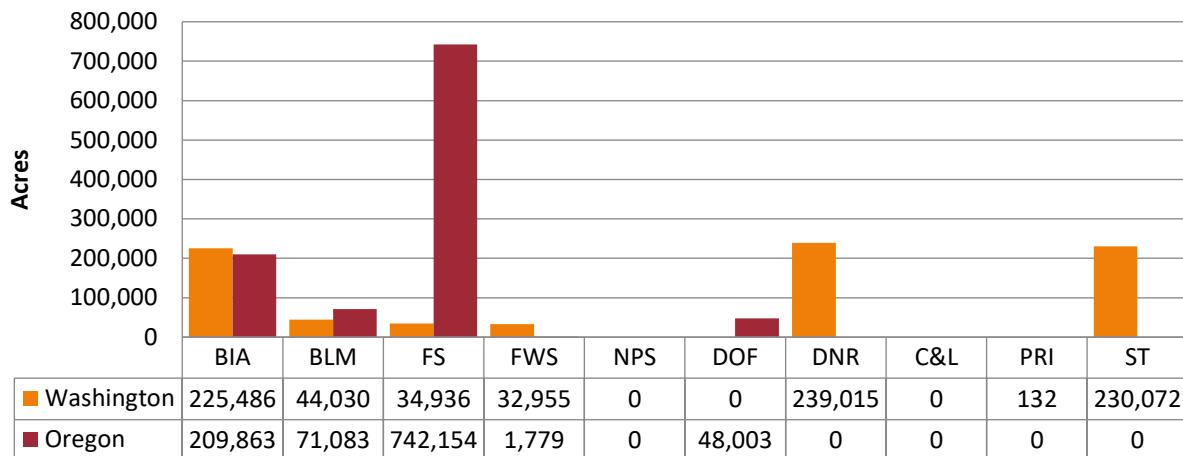
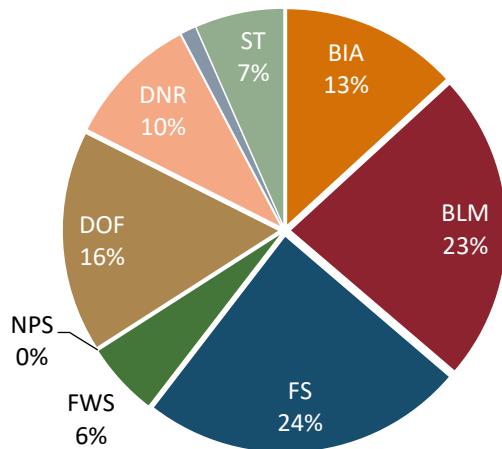
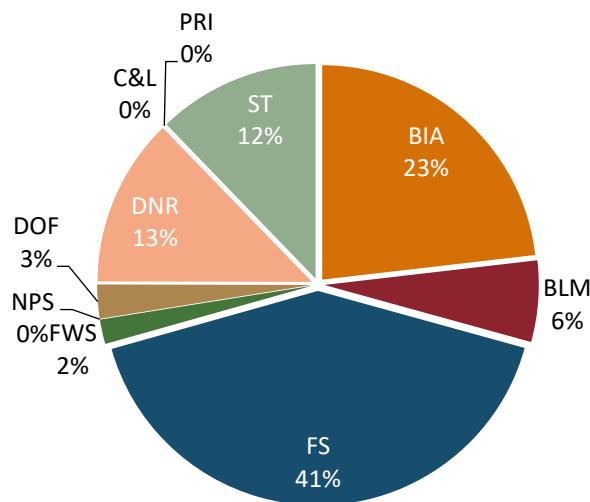
The first large incident of 2020 occurred in southeast Oregon. The Sodhouse incident started on March 5<sup>th</sup> on the Malheur NWR. It was human caused, burned in a grass fuel type and was contained within four days on March 8<sup>th</sup> with a final size of 1,000 acres.

The largest incident of 2020 occurred in northeast Washington. The Pearl Hill incident started on September 7<sup>th</sup> on land protected by the Washington State Fire Marshall in Douglas County, Washington and was human caused. The fire burned in brush and grass fuel types and grew to 174,000 acres during the initial attack phase with extreme fire behavior and wind driven runs observed. A Type 2 IMT was assigned to the incident for 6 days and it was contained after 22 days on September 28<sup>th</sup> at 223,730 acres.

The Slater incident originated on the Klamath National Forest in northern California and burned across the geographic area boundary onto lands under ownership of BLM, USFS and others. It burned a total of 76,414 acres in Oregon; 63,753 acres under USFS ownership, 2,675 acres under BLM ownership and 9,986 acres under private and other ownership. The Slater incident is not calculated in the Northwest Year-End fire statistics since the protecting unit is in northern California.

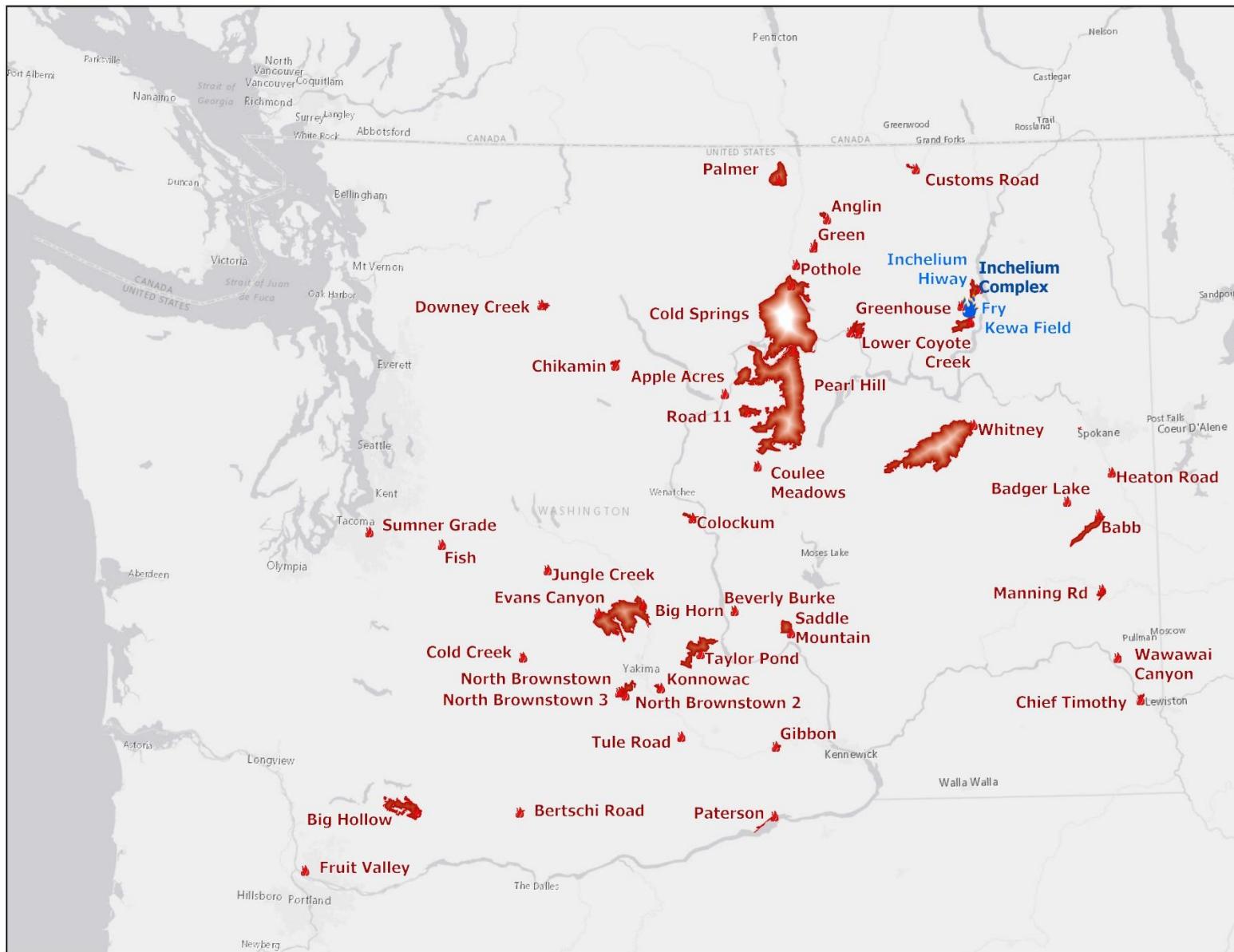
**Chart 20: NW 2020 Large Incident Summary by State & Agency**



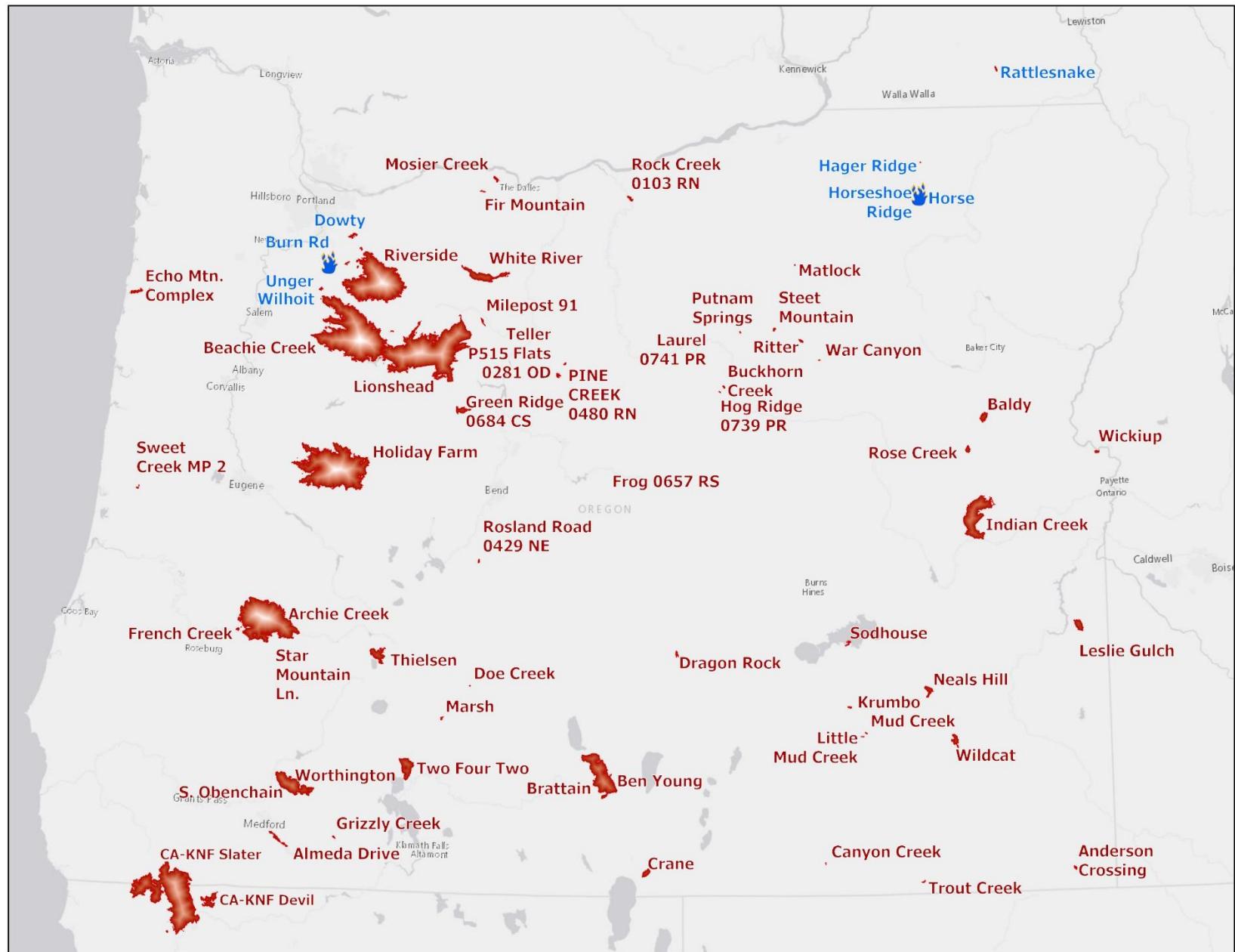
**Chart 21: NW 2020 Large Incident Acres Burned Summary by State & Agency****Charts 22/23: NW 2020 Large Incidents by Agency as a Percentage of Total****NW 2020 Large Incidents by Agency, as a Percentage of Total****NW 2020 Large Incident Acres by Agency, as a Percentage of Total**

## NW 2020 Incident Location Maps

### Map 1: Washington Incidents



## Map 2: Oregon Incidents



## RESOURCE INFORMATION & STATISTICS

### NW Incident Management Teams Assignment History

Source: IROC.

#### All IMTs Total Days Assigned (NIMO, AC, Type 1 & Type 2)

Northwest IMTs Assigned in GACC	Days Assigned: 582
Out of GACC IMTs Assigned in GACC	Days Assigned: 117
<b>Total Days IMTs Assigned in GACC: 699</b>	
Northwest IMTs Assigned out of GACC	Days Assigned: 303
<b>Total Days Northwest IMTs Assigned on Incidents: 885</b>	

#### Portland NIMO

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
<b>Portland NIMO - Day</b>	CA-ONC	CA-ONC	R5 COVID-19 Support	Preparedness/ Preposition	3/16	26
	CO-RMC	CO-ARF	Cameron Peak	Fire - Wildfire	8/24	20
	OR-NWC	OR-NWC	2020 R06 Large Fire Support	Preparedness/ Preposition	9/13	22
						<b>Total</b> <b>68</b>

#### Area Command

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
<b>Area Command - Stutler</b>	ID-FCF	ID-NIC	COVID 19 Response	Other Support	3/18	48
	OR-NWC	OR-MHF/ OR-WIF	Riverside/2020 WIF Fire Support	Fire – Wildfire/ Other Support	9/9	23
	CA-ONC	CA-MNF	August Complex	Fire - Wildfire	10/9	25
						<b>Total</b> <b>96</b>

#### Northwest Type 1

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
<b>PNW Team 2 – Allen</b>	UT-GBC	VI-VIIC	Support to Australia	Fire - Wildfire	1/16	30
	OR-NWC	WA-WAS	COVID-19 Response	Public Assist - Community	3/21	10
	CA-OSC	CA-LPN	Dolan	Fire - Wildfire	9/1	22
	CA-ONC	CA-MNF	August Complex	Fire - Wildfire	9/29	15
	CO-RMC	CO-ARF	Cameron Peak	Fire - Wildfire	10/24	17
<b>PNW Team 3 - Livingston</b>	OR-NWC	WA-WAS	COVID-19 Response	Public Assist - Community	4/6	15
	OR-NWC	OR-NWC	NW WFPR Incident Management 2020	Fire - Wildfire	5/5	11
	OR-NWC	OR-MHF	White River/Lionshead/P515	Fire - Wildfire	8/27	23
	OR-NWC	OR-MHF	Riverside	Fire - Wildfire	9/23	16
	CO-RMC	CO-ARF/ WY-MRF	Williams Fork/ East Troublesome	Fire - Wildfire	10/18	15
						<b>Total</b> <b>174</b>

**ODF Type 1**

Team Name	Incident GACC	Incident Unit	Incident Name	Incident Type	Mob ETD	Days Assigned
<b>ODF Team 2 - Cline</b>	OR-NWC	OR-ORS	COVID-19 2020 Response	Other Support	3/17	15
	OR-NWC	OR-952S	Street Mtn/Laurel	Fire - Wildfire	8/20	9
	OR-NWC	OR-FWF	Two Four Two	Fire - Wildfire	9/8	16
<b>ODF Team 2 - Hessel</b>	OR-NWC	OR-ORS	COVID-19 2020 Response	Other Support	4/14	15
	OR-NWC	OR-954S	Mosier Creek	Fire - Wildfire	8/13	7
	OR-NWC	OR-WIF	Sweet Creek MP 2	Fire - Wildfire	8/31	8
	OR-NWC	OR-ORS	Echo Mtn. Complex	Fire - Wildfire	9/10	11
	OR-NWC	OR-WIF	Holiday Farm	Fire - Wildfire	9/29	15
<b>ODF Team 3 - Smith</b>	OR-NWC	OR-ORS	COVID-19 2020 Response	Other Support	3/29	17
	OR-NWC	OR-DEF	Green Ridge	Fire - Wildfire	8/22	12
	OR-NWC	OR-WIF	Holiday Farm	Fire - Wildfire	9/8	24
						<b>Total</b> <b>149</b>

**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	WA-COA	Greenhouse	Fire - Wildfire	7/23	9
	OR-NWC	WA-SPD	Palmer	Fire - Wildfire	8/19	12
	OR-NWC	WA-COA/ WA-WFS/ WA-SES	Cold Springs/Pearl Hill/ Apple Acres	Fire - Wildfire	9/7	10
	CO-RMC	CO-ARF	Cameron Peak	Fire - Wildfire	9/24	20
	OR-NWC	OR-982S	Ben Young	Fire - Wildfire	7/22	7
<b>NW Team 7 - Knerr</b>	OR-NWC	OR-WSA	P515/Lionshead	Fire - Wildfire	8/18	17
	OR-NWC	WA-COA	Inchelium Complex	Fire - Wildfire	9/8	15
	CA-ONC	CA-KNF	Slater	Fire - Wildfire	10/1	24
	OR-NWC	OR-OCF	Frog	Fire - Wildfire	8/19	12
<b>NW Team 8 - D. Johnson</b>	CA-OSC/ OR-NWC	CA-OSC/ OR-711S	OSC 2020 Staging/Almeda Drive/ S. Obenchain	Preparedness/ Preposition/Fire - Wildfire	9/6	21
	OR-NWC	OR-EIC/ OR-MHF	Beachie Creek/Riverside	Fire - Wildfire	10/6	8
	OR-NWC	OR-BUD	Neals Hill	Fire - Wildfire	8/6	7
<b>NW Team 9 - Goff</b>	OR-NWC	OR-MHF	White River	Fire - Wildfire	8/19	31
	OR-NWC	OR-WIF	Archie Creek/French Creek	Fire - Wildfire	9/8	11
	OR-NWC	WA-SES	Bertschi Rd	Fire - Wildfire	7/17	9
<b>NW Team 10 - Lawson</b>	OR-NWC	OR-DEF	Green Ridge	Fire - Wildfire	8/17	7
	OR-NWC	OR-WSA	Lionshead/Whitney/Babb/Manning	Fire - Wildfire	9/1	17
	CA-ONC	CA-SRF	Red Salmon Complex	Fire - Wildfire	9/23	21
	CO-RMC	CO-ARF	Cameron Peak	Fire - Wildfire	11/6	16
	OR-NWC	OR-FWF	Crane	Fire - Wildfire	8/16	12
<b>NW Team 12 - Dimke</b>	OR-NWC	WA-SES/ WA-GPF	Evans Canyon/Big Hollow	Fire - Wildfire	9/1	23
	OR-NWC	OR-UPF	Archie/Thielsen	Fire - Wildfire	10/3	17
	OR-NWC	WA-WAS	COVID-19 Response	Public Assist - Community	3/23	18
<b>NW Team 13 - Gales</b>	OR-NWC	OR-VAD	Indian Creek	Fire - Wildfire	8/16	15
	OR-NWC	OR-WIF	Beachie Creek	Fire - Wildfire	9/2	15
	OR-NWC	OR-WSA	Lionshead	Fire - Wildfire	9/25	24
						<b>Total</b> <b>398</b>

## Resource Order Summary

Source: IROC Reports

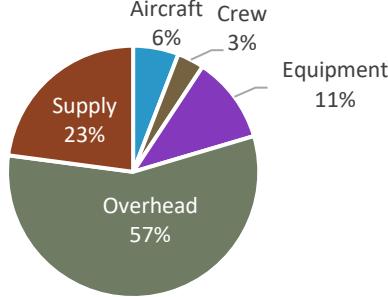
During 2020, the dispatch community within the Northwest entered 83,169 total requests. Of those, 67,142 were filled which equates to an 81% fill rate.

**Table 4: 2020 Northwest All Resource Order Summary**

\*Columns with an asterisk are unable to populate under current IROC reporting configurations.

Request Category	Enter	Delete*	Place	Retrieve*	Fill	Unfill*	Reassign	Release	Cancel	Cancel UTF	UTF
Aircraft	4,684	NA	4,684	0	3,741	0	684	2,495	650	293	293
Crew	2,504	NA	2,504	0	1,808	0	404	1,250	530	165	165
Equipment	12,305	NA	12,305	0	9,793	0	1,169	2,955	940	217	217
Overhead	30,834	NA	30,834	0	22,741	0	4,048	17,986	5,039	2,803	2,803
Supply	32,842	NA	32,842	0	29,059	0	111	2,221	2,638	170	170
<b>Summary</b>	<b>83,169</b>	<b>0</b>	<b>83,169</b>	<b>0</b>	<b>67,142</b>	<b>0</b>	<b>6,416</b>	<b>26,907</b>	<b>9,797</b>	<b>3,648</b>	<b>3,648</b>

**Chart 24: 2020 Northwest Filled Request as a Percentage of Total**



**Table 5: 2020 Crew Resource Order Summary**

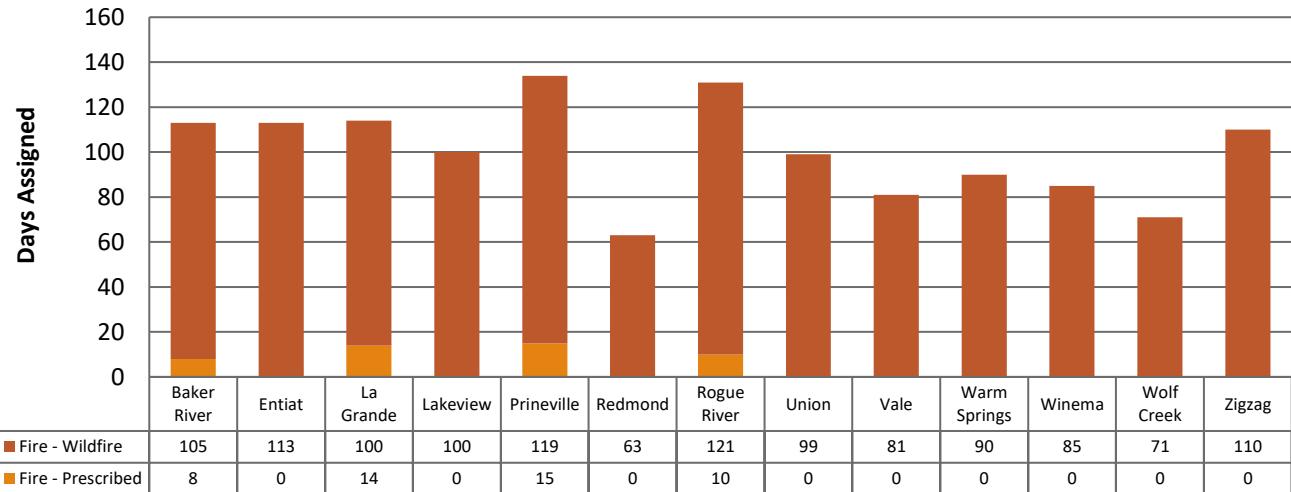
\*Columns with an asterisk are unable to populate under current IROC reporting configurations.

Category Name	Catalog Item Name		Enter	Delete*	Place	Retrieve*	Fill	Unfill*	Reassign	Release	Cancel	Cancel UTF	UTF
Fire	Crew, Type 1		286	0	286	0	182	0	54	119	76	28	28
	Crew, Type 1 or 2 IA		101	0	101	0	66	0	16	41	28	7	7
	Crew, Type 1 or 2 Any		56	0	56	0	47	0	14	33	9	0	0
	Crew, Type 2 IA		546	0	546	0	385	0	104	258	135	25	25
	Crew, Type 2		1043	0	1043	0	829	0	167	563	169	45	45
	Crew, Type 2 Any		172	0	172	0	136	0	29	94	13	23	23
	Crew, Type Any		93	0	93	0	59	0	6	52	31	3	3
Fire, Strike Team	Crew, Misc		1	0	1	0	1	0	0	1	0	0	0
	Crew, Strike Team, Type 1 or 2 Any		4	0	4	0	3	0	0	3	1	0	0
	Crew, Strike Team, Type 2		2	0	0	0	0	0	0	0	2	0	0
<b>Fire</b>		<b>2,304</b>	<b>0</b>	<b>2,302</b>	<b>0</b>	<b>1,708</b>	<b>0</b>	<b>390</b>	<b>1,164</b>	<b>464</b>	<b>131</b>	<b>131</b>	
Non-Fire	Crew, Camp		165	0	165	0	70	0	14	56	61	34	34
	Crew, Kitchen		8	0	8	0	8	0	0	8	0	0	0
<b>Non-Fire</b>		<b>173</b>	<b>0</b>	<b>173</b>	<b>0</b>	<b>78</b>	<b>0</b>	<b>14</b>	<b>64</b>	<b>61</b>	<b>34</b>	<b>34</b>	
<b>Crew Summary</b>		<b>2,477</b>	<b>0</b>	<b>2,475</b>	<b>0</b>	<b>1,786</b>	<b>0</b>	<b>404</b>	<b>1,228</b>	<b>525</b>	<b>165</b>	<b>165</b>	

## NW Interagency Hotshot Crews

Source: IROC Reports, Region 6 Hotshot Crew Lead.

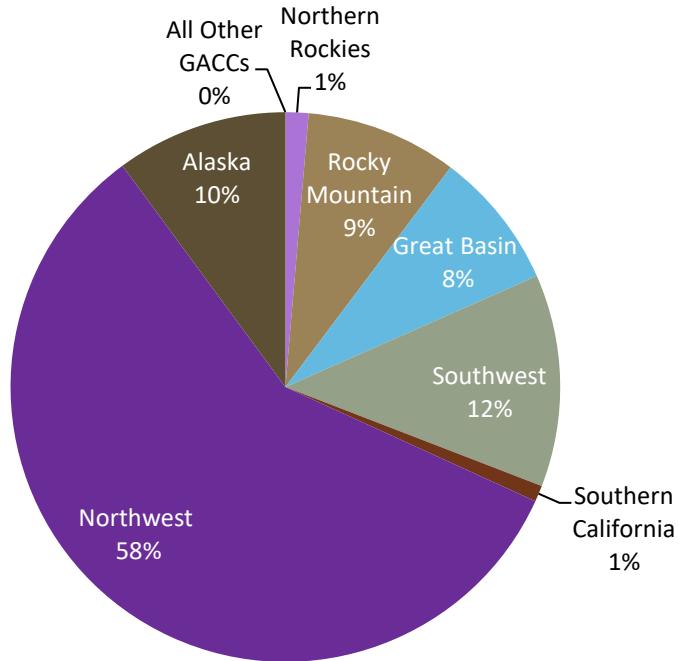
**Chart 24: 2020 IHC Days Assigned to Incidents**



**Table 6: 2020 IHC Days Assigned & Percentage of Total by Geographic Area**

GACC	Days	%
Southern Area	0	0%
Eastern Area	0	0%
Northern Rockies	17	1%
Rocky Mountain	112	9%
Great Basin	102	8%
Southwest	157	12%
Northern California	0	0%
Southern California	12	1%
Northwest	730	58%
Alaska	127	10%
Southern Area	0	0%
<b>Total</b>	<b>1,257</b>	<b>100%</b>

**Chart 25: 2020 IHC Days Assigned by Geographic Area as a Percentage of the Total**



## NW Smokejumpers

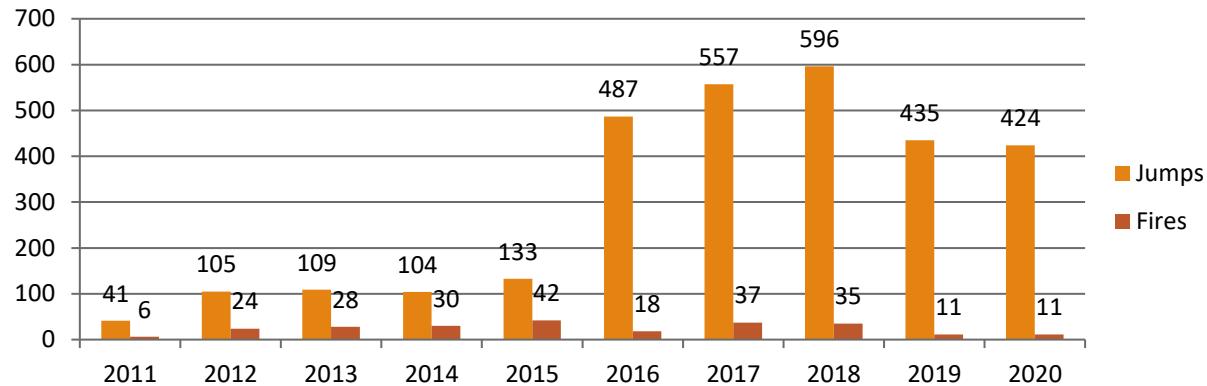
### North Cascades Smokejumpers

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

In summary, 11 fires were jumped out of NCSB in 2020, additionally NCSB boosted other bases 2 times during the season. The first fire jump occurred on July 6<sup>th</sup> and the last on August 29<sup>th</sup>. Nationally the North Cascades Smokejumpers conducted 424 total jumps with 0 loss time injuries.

NCSB filled 56 single resource assignments totaling 953 days, as well as spending 374 person days on fuels management activities including prescribed burning and thinning.

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



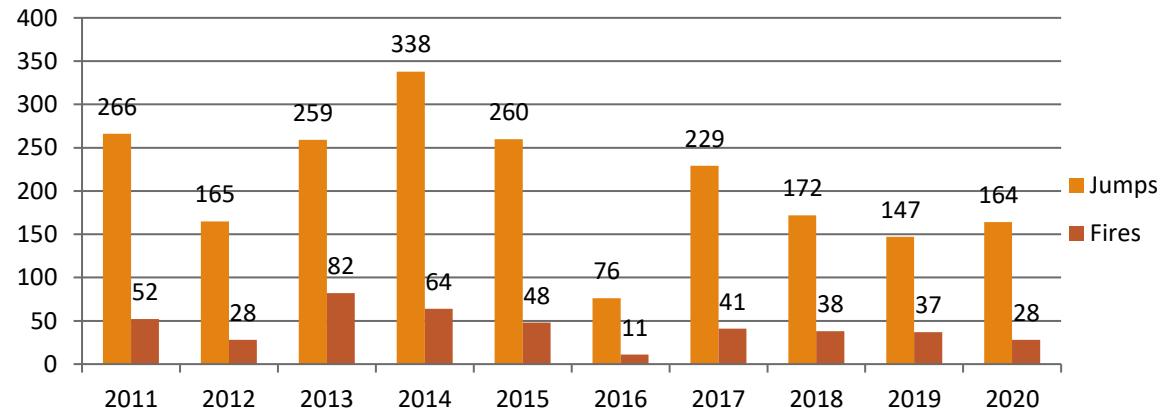
### Redmond Smokejumpers

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

Out of Redmond, 28 fires were staffed totaling 164 fire jumps. Redmond Smokejumpers and boosters responded to fires in 7 separate land management areas in the Northwest. The first fire jump occurred on July 15<sup>th</sup> and the last on September 10<sup>th</sup>. The 28 fires are approximately 65% of our 10-year average of 42 fires and 164 fire jumps is 79% of our 10-year average of 208 fire jumps.

Redmond Smokejumpers filled 28 single resource assignments totaling 476 days, which amounted to 29% of our wildland and prescribed fire activities in 2020.

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



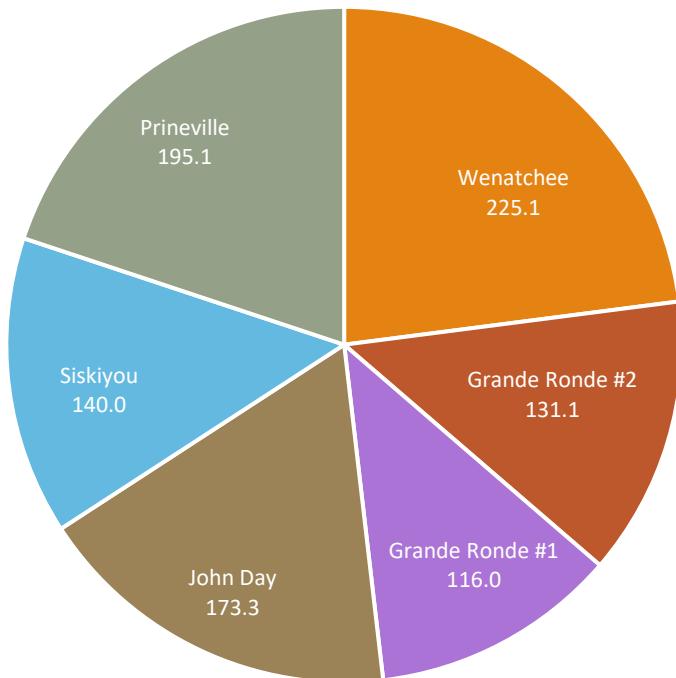
## NW Rappel Aircraft

Source: Region 6 2020 Aviation Summary. For full report, contact SORO.

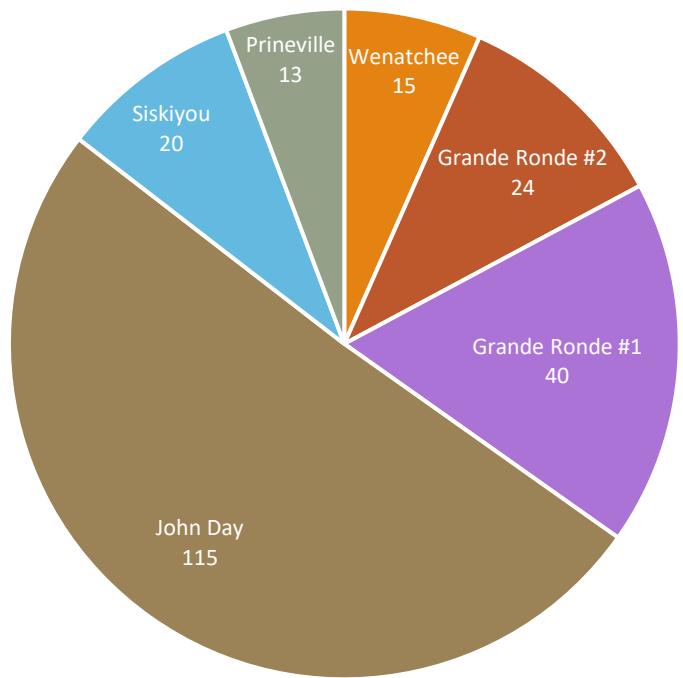
**Table 7: 2020 Rappel Activity Totals – Region 6**

	Wenatchee	Grande Ronde #2	Grande Ronde #1	John Day	Siskiyou	Prineville	Totals	Average
<b>Flight Hours on Fire</b>	225.1	131.1	116	173.3	140	195.1	980.6	818
<b>Flight Hours Other</b>	40.2	10.2	17.2	10.4	15.8	NA	93.8	81.6
<b>Days on Contract</b>	120	143	120	120	172	138	813	135.5
<b># Initial Attack Count</b>	15	24	40	115	20	13	227	37.4
<b># Large Fires</b>	5	14	14	2	3	6	44	7.3
<b>Person Days on Fire</b>	1634	505	264	1395	690	682	5170	861.6
<b>Proficiency Rappels</b>	276	149	162	150	223	227	1187	197.8
<b>Operational Rappels</b>	17	52	46	87	30	28	260	43.3
<b>Total Rappels</b>	293	201	208	294	253	255	1504	250.6
<b>Rapp IA's/EA's</b>	4	17	13	23	11	8	76	12.6
<b>Helitack IA's</b>	8	7	18	9	4	2	48	8

**Chart 28: 2020 Rappel Flight Hours on Fire**



**Chart 29: 2020 Rappel Initial Attack Count**



## Redmond Air Tanker Base

Source: Redmond Air Center (RAC), FY 2020 Accomplishment Report & FY 2021 Program of Work excerpt. For full report, contact RAC.

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

### 2020 Year End Totals

#### RETARDANT

Gallons of Retardant -----	962,622
Loads of Retardant-----	459
Retardant Cost to Fires -----	\$2,752,172.50
Retardant Contract Length -----	137 days
Contract Extension (*Pre-Delivery)-----	45 days
Retardant Loads Aborted or Jettisoned -----	1
Average Turnaround Time -----	12 minutes

#### FIRE INFORMATION

Number of Agency Users-----	7
Number of Fires Worked with Air Tankers-----	72
Number of Initial Attack Fires-----	47
Number of Fires Reinforced -----	25
Number of Air Tankers that operated from RDM-----	23

#### LANDINGS

Total Number of Landings -----	332
Total Landing Fee Costs (at \$3.08 per 1000lbs)-----	\$105,708.68
Types of Air Tankers Making Landings-----	6

(BAe-146, MD-87, CV-580, DC-7, RJ-85, SEATs)

#### PEAK OPERATIONS

Max # of Air Tankers Operating in One Day (August 20 <sup>th</sup> ) -----	8
Max # of Incidents Worked in One Day (August 20 <sup>th</sup> )-----	2
Max. # of Loads in One Day (August 20 <sup>th</sup> )*RECORD* -----	63
Max. # of Gallons Retardant Pumped in One Day (August 20 <sup>th</sup> )-----	107,746
Max # of Landings in One Day (August 20 <sup>th</sup> ) -----	62

First Air Tanker Mission Flown-----04-21-20

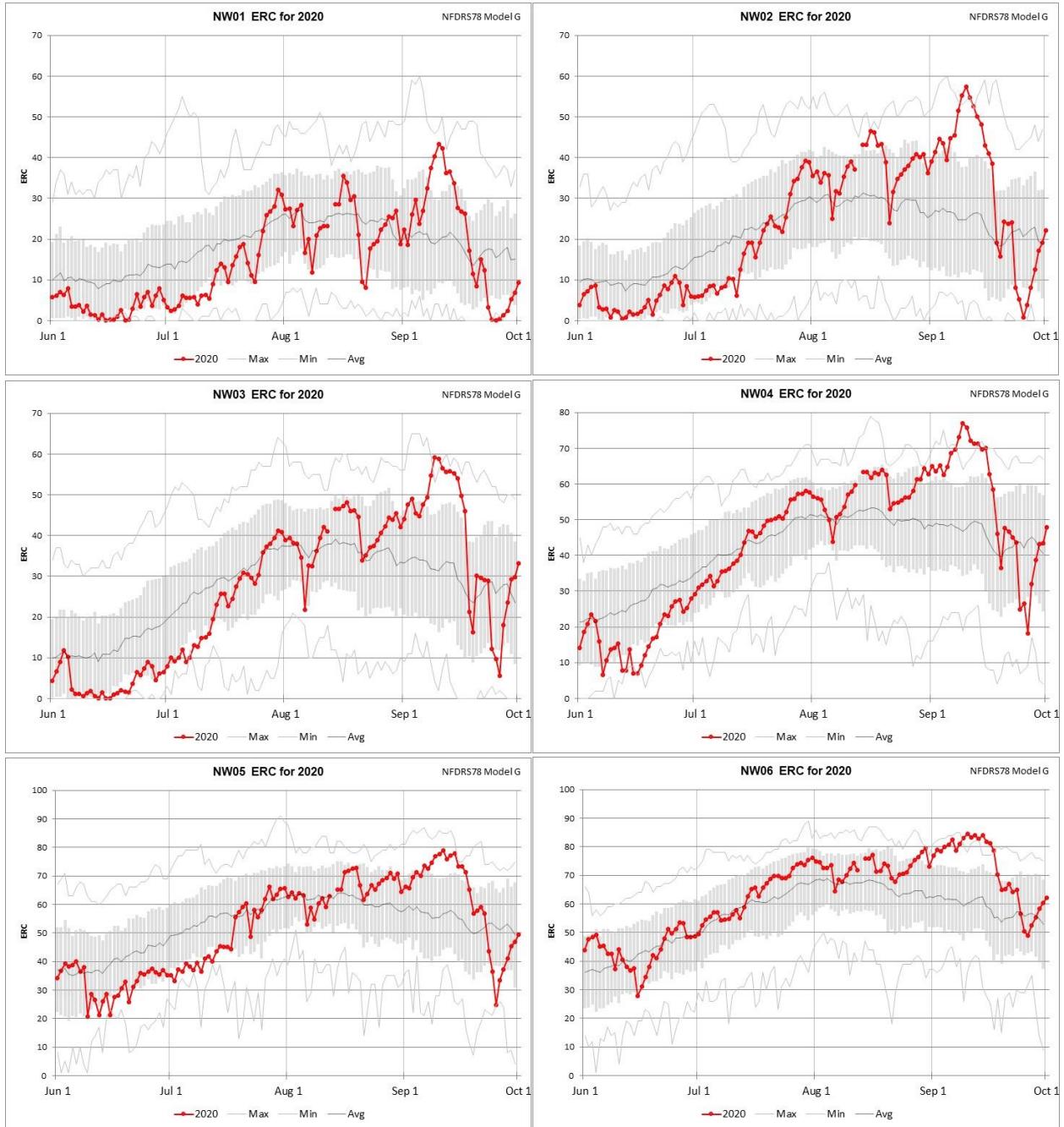
Where Flown: “Holcomb Rd”, (Texas State)

Last Air Tanker Mission Flown -----10-08-20

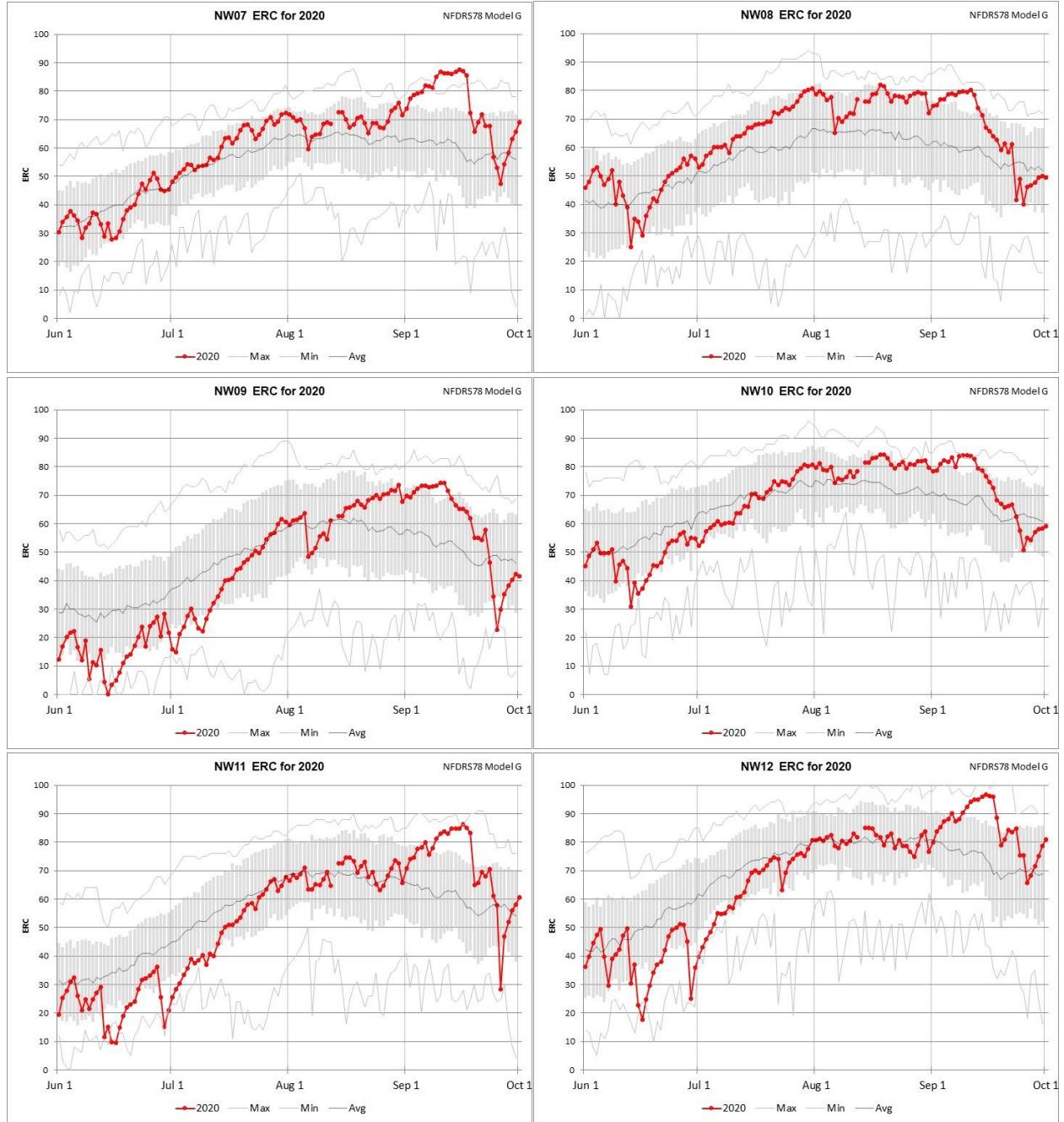
Where Flown: “Haystack”, (ODF)

## 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 12/31/2020.

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). Reported statistics are for state and federally protected wildlands (except DOD and DOE). In Washington (WA-WFS, Washington State Fire Marshal's Office), reporting is limited, and generally captures only fires greater than 300 acres in size.

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 name. Added together, both entries account for the unit's total activity.

**Table 8: 2020 NW Fires & Acres by Unit (by Protecting Agency)**

2020 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	11	-	-	23	11
		Warm Springs Agency (OR-COC)	-	-	-	-	-	-
		Warm Springs Agency (OR-WSA)	136	2,058	25	213,748	161	215,806
	<b>Oregon Total</b>		<b>159</b>	<b>2,069</b>	<b>25</b>	<b>213,748</b>	<b>184</b>	<b>215,817</b>
	Washington	Colville Agency (WA-COA)	69	217,705	1	-	70	217,705
		Colville Agency (WA-NEC)	1	98,001	-	-	1	98,001
		Kalispel Tribe	5	6	-	-	5	6
		Spokane Agency (WA-NEC)	15	357	-	-	15	357
		Spokane Agency (WA-SPA)	1	-	1	3	2	3
		Yakama Agency	85	8,424	1	1	86	8,425
		<b>Washington Total</b>	<b>176</b>	<b>324,493</b>	<b>3</b>	<b>4</b>	<b>179</b>	<b>324,497</b>
<b>BIA Total</b>			<b>335</b>	<b>326,563</b>	<b>28</b>	<b>213,752</b>	<b>363</b>	<b>540,315</b>
BLM	Oregon	Burns District	5	136	9	631	14	767
		Coos Bay District (OR-CBD)	1	1	-	-	1	1
		Coos Bay District (OR-RICC)	2	534	2	-	4	534
		Lakeview District	12	40	22	864	34	904
		Medford District (OR-RVC)	-	-	-	-	-	-
		Northwest Oregon District (OR-EIC)	8	18,579	3	38,641	11	57,220
		Prineville District (OR-BMC)	-	-	-	-	-	-
		Prineville District (OR-COC)	31	2,168	23	1,576	54	3,744
		Roseburg District (OR-RICC)	4	105,904	2	-	6	105,904
		Vale District (OR-VAD)	23	56,843	12	8,130	35	64,973
	<b>Oregon Total</b>		<b>86</b>	<b>184,205</b>	<b>73</b>	<b>49,842</b>	<b>159</b>	<b>234,047</b>
	Washington	Spokane District (OR-BMC)	-	-	-	-	-	-
		Spokane District (WA-CWC)	61	27,003	2	79	63	27,082
		Spokane District (WA-NEC)	7	3,098	-	-	7	3,098
	<b>Washington Total</b>		<b>68</b>	<b>30,101</b>	<b>2</b>	<b>79</b>	<b>70</b>	<b>30,180</b>
<b>BLM Total</b>			<b>154</b>	<b>214,306</b>	<b>75</b>	<b>49,921</b>	<b>229</b>	<b>264,227</b>
C&L	Oregon	Black Butte Ranch Rural Fire Protection District	-	-	-	-	-	-
		Bend Fire Department	2	2	-	-	2	2
	Oregon	Crook County Fire & Rescue	1	1	-	-	1	1
		Cloverdale Fire Protection District	-	-	-	-	-	-
		Condon Fire Department	-	-	-	-	-	-

2020 NW Fires & Acres by Unit (by Protection Agency)									
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres	
		Crescent Rural Fire Protection District	-	-	-	-	-	-	
		Crooked River Ranch Rural Fire Protection District	1	5	-	-	1	5	
		Dayville Fire Department	-	-	-	-	-	-	
		Deschutes County Fire District 1	-	-	-	-	-	-	
		Deschutes County Fire District 2	-	-	-	-	-	-	
		Fossil Volunteer Fire Department	-	-	-	-	-	-	
		Gilchrist Fire Department	-	-	-	-	-	-	
		Jefferson County Rural Fire Protection District #1	-	-	-	-	-	-	
		Juniper Flat Rural Fire Protection District	-	-	-	-	-	-	
		Lapine Rural Fire Protection District	-	-	-	-	-	-	
		Mitchell Volunteer Fire Department	-	-	-	-	-	-	
		Moro Fire Department	-	-	-	-	-	-	
		Maupin Fire Department	-	-	-	-	-	-	
		North Gilliam County Rural Fire Protection District	-	-	-	-	-	-	
		North Sherman County Rural Fire Protection District	-	-	-	-	-	-	
		Redmond Fire & Rescue	-	-	-	-	-	-	
		Central Oregon Rangeland Protection Association (OR-COC)	-	-	-	-	-	-	
		Central Oregon Rangeland Protection Association (OR-LFC)	1	-	-	-	1	-	
		South Gilliam County Rural Fire Protection District	-	-	-	-	-	-	
		Sisters-Camp Sherman Rural Fire Protection District	-	-	-	-	-	-	
		Spray Volunteer Fire Department	-	-	-	-	-	-	
		Sunriver Fire Department	-	-	-	-	-	-	
		Wasco Fire Department	-	-	-	-	-	-	
		Warm Springs Fire & Safety	-	-	-	-	-	-	
<b>Oregon Total</b>			<b>5</b>	<b>8</b>	-	-	<b>5</b>	<b>8</b>	
		Washington	Adams County Fire Districts (WA-CWC)	1	128	-	-	1	128
			Adams County Fire Districts (WA-NEC)	-	-	-	-	-	-
			Benton County Fire Districts	2	599	-	-	2	599
			Chelan County Fire Districts	5	6	-	-	5	6
			Douglas County Fire Districts	5	75	-	-	5	75
			Ferry County Fire Districts	1	2	-	-	1	2
			Franklin County Fire Districts (WA-CWC)	-	-	-	-	-	-
			Franklin County Fire Districts (WA-NEC)	-	-	-	-	-	-
			Grant County Fire Districts (WA-CWC)	-	-	-	-	-	-
			Grant County Fire Districts (WA-NEC)	-	-	-	-	-	-
			Klickitat County Fire Districts	-	-	-	-	-	-
			Kittitas County Fire Districts	8	6	-	-	8	6
			Lincoln County Fire Districts	2	200	-	-	2	200
			Okanogan County Fire Districts	-	-	-	-	-	-
			Pend Oreille County Fire Districts	1	-	-	-	1	-
			Spokane County Fire Districts	22	230	-	-	22	230
			Spokane Fire Department	4	4	-	-	4	4
			Stevens County Fire Districts	22	5	-	-	22	5
			Whitman County Fire Districts	1	1,400	-	-	1	1,400
			Walla Walla County Fire Districts	1	1	-	-	1	1
		Washington	Yakima County Fire Districts	1	-	-	-	1	-
			<b>Washington Total</b>	<b>76</b>	<b>2,656</b>	-	-	<b>76</b>	<b>2,656</b>

2020 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 Total			81	2,664	-	-	81	2,664
DL	Oregon	Oregon Department of State Lands (OR-BIC)	-	-	-	-	-	-
		Oregon Department of State Lands (OR-COC)	-	-	-	-	-	-
	Oregon Total		-	-	-	-	-	-
DL Total			-	-	-	-	-	-
DNR	Washington	Northeast Region-Department of Natural Resources (WA-CWC)	22	167	1	-	23	167
		Northeast Region-Department of Natural Resources (WA-NEC)	493	117,413	20	72	513	117,485
		Northwest Region-Department of Natural Resources	66	196	-	-	66	196
		Olympic Region-Department of Natural Resources	17	12	2	11	19	23
		Pacific Cascade Region-DNR	106	336	1	-	107	336
		Southeast Region-Department of Natural Resources (OR-BMC)	6	3	2	57	8	60
		Southeast Region-Department of Natural Resources (WA-CWC)	121	86,398	6	3	127	86,401
		South Puget Sound Region-Department of Natural Resources	160	469	1	1	161	470
		Washington State Department of Natural Resources Headquarters	-	-	-	-	-	-
		Washington Total	991	204,994	33	144	1,024	205,138
DNR Total			991	204,994	33	144	1,024	205,138
DOF	Oregon	Tillamook District	9	779	-	-	9	779
		Astoria District	17	2	-	-	17	2
		Forest Grove Unit	17	12	3	-	20	12
		Columbia City Unit	13	3	-	-	13	3
		Philomath Unit	6	2	1	-	7	2
		Dallas Unit	11	5	-	-	11	5
		Toledo Unit	9	2,428	-	-	9	2,428
		Molalla Unit	24	2,589	-	-	24	2,589
		Santiam Unit	14	12	-	-	14	12
		Medford Unit (OR-71C)	101	33,093	6	-	107	33,093
		Grants Pass Unit (OR-712C)	165	62	1	-	166	62
		Coos Forest Protective Association	31	374	2	-	33	374
		Bridge Unit	5	-	-	-	5	-
		Gold Beach Unit	6	20	-	-	6	20
		North Unit (OR-73S)	22	114	1	-	23	114
		South Unit (OR-73S)	29	37	1	-	30	37
		Central Unit (OR-73S)	29	542	1	-	30	542
		East Lane Unit - ODF	16	3	4	-	20	3
		Sweet Home Unit - ODF	35	36	-	-	35	36
		Western Lane District	50	362	3	-	53	362
		Prineville Unit	4	998	6	11	10	1,009
		John Day Unit	9	229	51	2,950	60	3,179
		Fossil Unit	-	-	-	-	-	-
		The Dalles Unit (OR-COC)	-	-	-	-	-	-
		The Dalles Unit (WA-CCC)	25	1,426	-	-	25	1,426
		Sisters Unit	31	13	14	1	45	14
		LaGrande District	6	19	12	95	18	114
DOF	Oregon	Baker Unit	5	2	6	2	11	4
		Pendleton Unit (OR-BMC)	7	99	12	28	19	127

2020 NW Fires & Acres by Unit (by Protection Agency)									
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres	
		Wallowa Unit	9	7	10	4	19	11	
		Klamath Unit	42	141	6	-	48	141	
		Lake Unit	15	1,266	9	1	24	1,267	
		Walker Ranger Forest Protective Association	36	3	9	3	45	6	
	<b>Oregon Total</b>		<b>798</b>	<b>44,677</b>	<b>158</b>	<b>3,095</b>	<b>956</b>	<b>47,772</b>	
<b>DOF Total</b>			<b>798</b>	<b>44,677</b>	<b>158</b>	<b>3,095</b>	<b>956</b>	<b>47,772</b>	
FS	Idaho	Hells Canyon National Recreation Area	-	-	-	-	-	-	
		<b>Idaho Total</b>	-	-	-	-	-	-	
	Oregon	Malheur National Forest-Burns Fire Zone	-	-	-	-	-	-	
		Columbia River Gorge National Scenic Area	11	1	-	-	11	1	
		Deschutes National Forest	135	471	79	4,401	214	4,872	
		Fremont-Winema National Forest	41	65,444	41	3,142	82	68,586	
		Malheur National Forest (OR-BIC)	2	2	15	12	17	14	
		Malheur National Forest (OR-MAF)	14	26	69	29	83	55	
		Mt. Hood National Forest	90	138,064	5	17,456	95	155,520	
		Ochoco National Forest	24	21	23	4,038	47	4,059	
		Rogue River-Siskiyou National Forest	36	62,264	3	-	39	62,264	
		Siuslaw National Forest	17	4	-	-	17	4	
		Umatilla National Forest (OR-BMC)	5	39	59	398	64	437	
		Umatilla National Forest (OR-MAF)	-	-	12	143	12	143	
		Umpqua National Forest	10	26,160	8	9,953	18	36,113	
		Willamette National Forest	78	154,863	20	155,007	98	309,870	
		Wallowa-Whitman National Forest (OR-BMC)	25	159	63	50	88	209	
	<b>Oregon Total</b>		<b>488</b>	<b>447,518</b>	<b>397</b>	<b>194,629</b>	<b>885</b>	<b>642,147</b>	
	Washington	Colville National Forest	20	9	2	1	22	10	
		Gifford Pinchot National Forest	41	25,013	2	7	43	25,020	
		Mt. Baker-Snoqualmie National Forest	28	3	6	3,170	34	3,173	
		Olympic National Forest	5	1	5	28	10	28	
		Okanogan-Wenatchee National Forest (WA-CWC)	85	565	14	767	99	1,332	
		Okanogan-Wenatchee National Forest (WA-NEC)	1	-	1	-	2	-	
		Umatilla National Forest - Washington	2	-	8	498	10	498	
<b>Washington Total</b>			<b>182</b>	<b>25,591</b>	<b>38</b>	<b>4,471</b>	<b>220</b>	<b>30,061</b>	
<b>FS Total</b>			<b>670</b>	<b>473,109</b>	<b>435</b>	<b>199,100</b>	<b>1,105</b>	<b>672,208</b>	
FWS	Oregon	Bear Valley National Wildlife Refuge	-	-	-	-	-	-	
		Klamath Marsh National Wildlife Refuge	2	11	1	466	3	477	
		Malheur National Wildlife Refuge	6	1,010	1	329	7	1,339	
		Oregon Coast National Wildlife Refuge Complex	-	-	-	-	-	-	
		Sheldon-Hart Mountain National Wildlife Refuge Complex	-	-	1	3	1	3	
		Upper Klamath National Wildlife Refuge	-	-	-	-	-	-	
		Willamette Valley National Wildlife Refuge Complex	1	-	-	-	1	-	
	<b>Oregon Total</b>		<b>9</b>	<b>1,021</b>	<b>3</b>	<b>798</b>	<b>12</b>	<b>1,819</b>	
	Washington	Little Pend Oreille National Wildlife Refuge	1	-	1	-	2	-	
		Mid Columbia National Wildlife Refuge Complex (WA-CWC)	47	30,923	3	249	50	31,172	
		Nisqually National Wildlife Refuge Complex	-	-	-	-	-	-	
		Ridgefield National Wildlife Refuge Complex	-	-	-	-	-	-	
		Turnbull National Wildlife Refuge	2	1	-	-	2	1	
FWS	Washington	Willapa National Wildlife Refuge Complex (WA-PCS)	-	-	-	-	-	-	

2020 NW Fires & Acres by Unit (by Protection Agency)								
Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
		Willapa National Wildlife Refuge Complex (WA-PSC)	-	-	-	-	-	-
		Washington Maritime National Wildlife Refuge Complex	-	-	-	-	-	-
		<b>Washington Total</b>	<b>50</b>	<b>30,924</b>	<b>4</b>	<b>249</b>	<b>54</b>	<b>31,173</b>
<b>FWS Total</b>			<b>59</b>	<b>31,945</b>	<b>7</b>	<b>1,047</b>	<b>66</b>	<b>32,992</b>
NPS	Oregon	Crater Lake National Park	8	1	6	1	14	2
		John Day Fossil Beds National Monument	-	-	-	-	-	-
		Oregon Caves National Monument	-	-	-	-	-	-
	<b>Oregon Total</b>		-	-	-	-	-	<b>2</b>
	Washington	Lake Roosevelt National Recreation Area	-	-	-	-	-	-
		Mount Rainier National Park	-	-	1	-	1	-
		North Cascades National Park	-	-	-	-	-	-
		Olympic National Park	3	84	3	1	6	85
		San Juan Island National Historical Park	-	-	-	-	-	-
		Whitman Mission National Historic Site	-	-	-	-	-	-
	<b>Washington Total</b>		<b>3</b>	<b>84</b>	<b>4</b>	<b>1</b>	<b>7</b>	<b>85</b>
<b>NPS Total</b>			<b>11</b>	<b>85</b>	<b>10</b>	<b>2</b>	<b>21</b>	<b>87</b>
ST	Washington	Washington State Fire Marshal's Office (OR-BMC)	-	-	-	-	-	-
		Washington State Fire Marshal's Office (WA-WSP)	8	218,568	-	-	8	218,568
	<b>Washington Total</b>		<b>8</b>	<b>218,568</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>218,568</b>
<b>Grand Total</b>			<b>3,107</b>	<b>1,516,910</b>	<b>746</b>	<b>467,060</b>	<b>3,853</b>	<b>1,983,971</b>

## NW Dispatch Centers

**Table 9: Washington**

Government Level	NWCG ID	Unit Name	Organizational Level
<b>Federal</b>	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
<b>State</b>	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 10: Oregon**

Government Level	NWCG ID	Unit Name	Organizational Level
<b>Federal</b>	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
<b>State</b>	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 11: Agency Identifiers**

Government Level	Department	Acronym	Name
Federal	Interior	BIA	Bureau of Indian Affairs
		BLM	Bureau of Land Management
		FWS	Fish & Wildlife Service
	Agriculture	NPS	National Park Service
		USFS	Forest Service
		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
State	--		

## NW Local Unit Identifiers

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

**Table 12: 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-EUD	Eugene District
	OR-KFD	Klamath Falls Resource Area
	OR-LAD	Lakeview District
	OR-MED	Medford District
	OR-PRD	Prineville District
	OR-ROD	Roseburg District
	OR-SAD	Salem District
FWS	OR-VAD	Vale District
	WA-SPD	Spokane District
	OR-BVR	Bear Valley NWR
	OR-HMR	Hart Mountain NWR
	OR-KLR	Klamath Marsh NWR
	OR-MAR	Malheur NWR
	OR-UKR	Upper Klamath NWR
	OR-SHR	Sheldon-Hart Mountain 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

Agency	State-ID	Unit Name
NPS	WA-WLR	Willapa NWR Complex
	OR-CLP	Crater Lake NP
	OR-OCP	Oregon Caves NM
	WA-LRP	Lake Roosevelt NRA
	WA-MRP	Mount Rainier NP
	WA-NCP	North Cascades NP
	WA-OLP	Olympic NP
	WA-SJP	San Juan Islands NHP
USFS	WA-WMP	Whitman Mission NHS
	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 13: State**

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