

Northwest Annual Fire Report 2013



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, Agency Identifier Legend). A *large* fire is defined as greater than 100 acres in forest fuel type, and greater than 300 acres in shrub and grass fuel types. Annual figures from individual units for total fire starts, regardless of size, and acres burned 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 Kansas City Fire Access Software (KCFAST) reporting applications. Previous NWCC annual reports and other sources were also used in this document. 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: www.nwccweb.us, under the [Intelligence](#) link. Previous year annual reports can be found under the [NWCC Publications](#) link.

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

Compiled by:

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

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www.nwccweb.us
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(I. Hirschfield)

Table of Contents

SUMMARY INFORMATION	3
NWCC Mission.....	3
NWCC Annual Fire Report General Information.....	3
NWCC Accomplishments	6
Budget & Staffing	6
Technology	7
Organization: Administration	7
Center Manager	7
Media	8
Information Technology	8
GIS	8
Organization: Operations.....	9
Organization: Predictive Services	10
Multi-Agency Coordinating Group (NW MAC).....	10
2013 Northwest Fire Season Summary	11
Chart 1: Lightning Density Maps (24 hour periods).....	11
Chart 2: 2013 NW Preparedness Levels	11
FIRE MAPS & STATISTICS	12
Table 1: NW 2013 Large Fires List.....	12
Table 2: NW 2013 Fires List: Confine/Monitor/Point Zone Protection	14
NW 2013 Large Fire Location Maps	16
Map 1: Washington.....	16
Map 2: Oregon	17
Map 3: Southwest Oregon (Detail).....	18
Fire Occurrence Statistics.....	19
NW Area Annual Fire Occurrence Charts.....	19
Chart 3: NW 2013 Reported Fires vs. 10-Year Average (by Protection).....	19
Chart 4: NW 2013 Reported Acres Burned vs. 10-Year Average (by Protection)	19
Chart 5: Oregon 2013 Reported Fires vs. 10-Year Average (by Protection).....	20
Chart 6: Oregon 2013 Reported Acres Burned vs. 10-year Average (by Protection)	20
Chart 7: Washington 2013 Reported Fires vs. 10-Year Average (by Protection)	20
Chart 8: Washington 2013 Reported Acres Burned vs. 10-Year Average (by Protection).....	20
NW 2013 Fire Occurrence by Agency	21
Chart 9: NW 2013 Reported Fires by Agency (by Protection)	21
Chart 11: NW 2013 Reported Acres Burned by Agency (by Protection)	21
Chart 12: NW 2013 Reported Acres Burned by Agency (by Protection) as a Percentage of Total..	21
Chart 13: NW 2013 Reported Fires by Agency & Cause (Human/Lightning).....	22
Chart 14: NW 2013 Reported Acres Burned by Agency & Cause (Human/Lightning).....	22
Table 3: Individual Units Fires & Acres	23

RESOURCE INFORMATION & STATISTICS.....	25
NW Incident Management Teams.....	25
<i>Table 4: NW IMT 2013 Assignment Summary</i>	25
<i>Table 5: Portland NIMO Assignment History</i>	27
<i>Table 6: Type 1 NW IMT Assignment History.....</i>	27
<i>Table 7: Oregon Type 2 IMT Assignment History</i>	27
<i>Table 8: Washington Type 2 IMT Assignment History</i>	27
NW Interagency Hotshot Crews	28
<i>Chart 15: Days Assigned to Incidents 2013</i>	28
<i>Table 9: Days Assigned & Percentage of Total by Geographic Area</i>	28
<i>Chart 16: Percentage of Total Days Assigned by Geographic Area</i>	28
Smokejumpers – North Cascades	29
Fire Season Summary	29
<i>Chart 17: NCSB Smokejumper's 10 Year Fire Jump Numbers</i>	29
Smokejumpers – Redmond.....	30
2013 Fire Season Summary.....	30
<i>Chart 18: Redmond Smokejumper's 10 Year Fire Jump Numbers</i>	30
Redmond Air Tanker Base	31
2013 Year End Totals	31
NW Rappel Aircraft	32
<i>Table 10: 2013 Activity Totals – Region 6</i>	32
<i>Chart 18: 2013 Initial Attack Numbers</i>	32
<i>Chart 19: 2013 Flight Hours on Fire</i>	32
APPENDIX.....	33
Table 11: Unit Identifier Legend	33
Table 12: Agency Identifier Legend	34

NWCC Accomplishments

The Northwest Interagency Coordination Center proudly completed its 25th year in operation, serving to mobilize firefighting resources in the Pacific Northwest and the Nation. The essential nature of NWCC is to get the right resource to the right place at the right time.

The NWCC staff is made up of 11 full-time staff members and two shared staff, representing state and all five federal land management agencies. Through the course of a fire season, another fifty to a hundred individuals provide on-call, critical support, in wide-ranging roles from administration to operations. Fire knows no political boundaries so, by necessity we are *required* to act across agency and political lines. We are often challenged by this fact, and also strengthened by our capacity to work cooperatively. Along with innumerable partners and customers - representing federal, state, tribal, county, local and private interests – our efforts are truly “interagency.”

“To meet the challenges we face today, traditional fire wisdom increasingly needs to be met with the savvy of business professionals, data managers, web developers, analysts, and statisticians to be effective.”

In the ever-shifting environment of the coordination system, some truths are unchanging. The value of old-fashioned firefighting know-how never goes away, and open, honest, face-to-face interactions build stronger organizations. To meet the challenges we face today, traditional fire wisdom increasingly needs to be met with the savvy of business professionals, data managers, web developers, analysts, and statisticians to be effective.

Budget & Staffing

NWCC’s budget remained stable in 2013. Through the sixteen day government shutdown, NWCC staffed two on-call employees in order to maintain operational readiness.

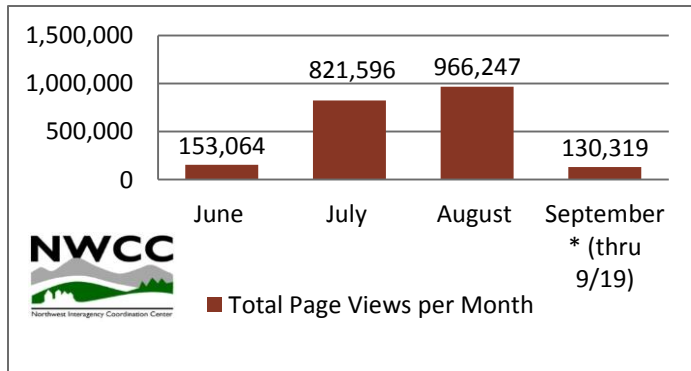
In June we said farewell to Dave Quinn, Emergency Operations Manager, who retired after a long and illustrious career. Dave served honorably with the United States Air Force, as a lineman with Pacific Power, and as a resource technician and forester with the Bureau of Indian Affairs and the USDA Forest Service.

September saw the arrival of Ted Pierce, NWCC’s new Emergency Operations Manager. Ted comes to us from Alaska BLM, where he served as Tanana-Upper Yukon Dispatch Center Manager. Ted also brings experience as an interagency hotshot to NWCC, as well as that of the Duty Officer at Alaska Fire Service in Fort Wainwright.

Technology

Effective information sharing is critical to effective coordination. An expanding technological toolkit has come with significant benefits. The NWCC website peaked at over 90,000 page views in a single day in August 2013! The use of web briefings during critical coordination events was used effectively in 2013 (for coordination during, and in anticipation of, high complexity fire events, critical fire weather, and resource shortages).

As the reach and speed of information sharing grows, there are also significant challenges. We navigate evolving, sometimes conflicting, policies, security measures and technical requirements across multiple agency networks. Managing huge volumes of data - sorting, verifying, interpreting, and archiving – to create useful, actionable intelligence is a major effort. And while the expectations of our users for instantaneous and accurate information continue to grow, our networks still rely on the limitations of people and of real-world processes.



We look to continue to integrate emerging technologies. In the near-term, the integration of social media and mobile technologies into the coordination system is a promising opportunity. As an institution, we excel at moving resources. Our current challenge is to be as effective at moving information.

Organization: Administration

NWCC Administration consists of the Center Manager, Media, IT Support, and GIS. Additionally, a number of groups schedule the NWCC conference room to host their meetings. Our most frequent visitor is the Pacific NW Wildfire Coordinating Group, which meets once each month.

Center Manager

In addition to his normal duties, the NWCC Center Manager served for a third year as the Chair to the ROSS Reports Management Board, an interagency group chartered to provide governance to the ROSS Reporting Systems and Reports training. He also serves as an active member of the NWCG Incident Business Committee and the NMAC National Coordination System Committee.

A list of specific Center Manager accomplishments is provided below:

- Supervised an interagency staff (FS, BLM, BIA, FWS, NPS and ODF) emphasizing mission over agency, providing leadership, guidance, and direction
- Hosted pre-season briefing to Senator Ron Wyden
- Developing cooperative relationship with Oregon Emergency Management, Oregon Military Department for increased public awareness and intelligence sharing
- Provided consultation for DNR/FWS/FS in support of moving initial attack dispatch operations for Mid-Columbia Refuge into Central Washington Interagency Communication Center
- Attended Tri-State Border Agreement Meeting in Winnemucca, NV

SUMMARY INFORMATION | NWCC Accomplishments

- With SORO Duty Officers coordinated 2013 Severity procedures
- Coordinated with OWF, RAC and SORO leadership on configuring a single SMKJ organization in the NW
- Coordinated and provided leadership oversight to the Continuous Improvement Assessment for the Central Oregon Interagency Dispatch Center
- Met with Vale District FMO, Dispatch Center Manager and SRV Coordinator in Vale, OR to discuss dispatch/coordination issues
- Met with FS/BLM fire leadership from RSF, UPF, WIF, MED, ROD and CBD in preparation for the 2013 Fire Season
- Facilitated NW CMAC/IC reps as they discussed and established standard mobilization procedures for NW IMTs
- Coordinated and implemented FY2013 NWCC budget and brought NWCC within budget contributions of the five Federal Agencies
- Conducted outreach and conducted hiring of the NWCC Deputy Center Manager

Media

A total of 337 media calls were staffed through the 2013 Fire Season by the NWCC Media Desk. These were responding to local, regional, and national media-related requests, as well as calls from private citizens concerned about fire activity, hunters, campers, fire camps, contractors and other general questions.

Information Technology

NWCC IT had an active year supporting interagency desktop support for Center Staff, detailers and NW MAC and MAC Support:

- Provided logistic, instructor support to CTSP training
- Performed as CTSP on incident with OR Team 2
- Assisted with the procurement and testing of a satellite uplink to support incident network connectivity
- Researched and procured security card reader for NWCC entrances at considerable savings to original contractor estimates
- Supported BLM State Office IT, hosting two of their technicians at NWCC in order to provide oversight for the move to their new office. These individuals also provided NWCC IT support, saving expenditures on detailers during a busy fire season

GIS

The GIS section provides data management, printed and electronic map products as well as regular support during briefings with live mapping and information display. GIS also provides year-round critical mapping, data analysis, as well as subject matter expertise and guidance on standards and evolving GIS governance and practices. Specific 2013 accomplishments include:

- Researched and procured new plotter of NWCC at a cost savings
- Provided data, briefing support to NWCC, NW MAC, MAC Support
- Hosted 5 GISS detailers through the 2013 Fire Season
- Developed new Predictive Services products:
 - Spatial 7-day Fire Activity Forecast
 - Map type key for fire weather patterns conducive to lightning outbreaks
 - Built/maintained NW Common Operation Picture (COP) Google Earth product

SUMMARY INFORMATION | NWCC Accomplishments

- Streamlined procurement and display of WildCAD data in support of initial attack mapping
- Working cooperatively with Oregon Emergency Management in supporting and utilizing the Real-time Assessment and Planning Tool for Oregon (RAPTOR) for emergency/all-risk management
- Partnering with the State of Oregon ArcGIS Online organization for mapping and geospatial solutions Member of the PNWCG GIS working team
- Member of the BLM Fire Data Standard working group
- Provided support to BLM Fire History Data standards group
- Supported BLM State Office hazardous fuels mapping
- Coordinated and facilitated the National Predictive Services Statistics/Database workshop for Spring 2014

Organization: Operations

Where moving incident resources is concerned, the Operations Section is where the “rubber meets the road”. At the peak of the effort, more than 25,000 resource orders were processed through NWCC, mobilizing almost 7,000 firefighters for service on the fire-line in the Northwest. Of the more than sixty individuals who supported NWCC during the year, most of them did so in support of Operations. Kathi May stepped up to perform the duties of the vacant Emergency Operations Manager through the peak of the season, and the Operations Staff was able to nimbly provide logistical and operational support until the position was permanently filled. The 2013 accomplishments for NWCC Operations are provided below:

- The Emergency Operations Manager is an associate member of the PNWCG Operations Working Team. This individual also serves as a member of the NW Center Managers Advisory Council
- Provided administrative support to SORO personnel relative to IQCS and redcard updates and issuances
- Dispatched SORO personnel to incident assignments
- Prepared and directed publication of the NW Interagency Mobilization Guide for distribution by June 1st
- Maintained roster and conducted multiple mobilizations of Portland NIMO
- Maintained rosters and conducted mobilization of the PNW 2 and PNW 3 Type 1 IMTs
- Provided support to Warm Springs and Yakama Agency Dispatch Centers as they prepared to receive IMTs and set up expanded dispatch operations
- Staffed and operated GACC resource desks in support of incident operations through a busy fire season
- Provided personnel support to ODF Salem Coordination Center through the tenure of SW Oregon incidents
- Provided support to CISM mobilization and operations
- Provided planning, logistic support to the NW Dispatch Workshop
- Participated/presented subject matter at NW IMT conference
- Provided subject matter expertise to FACT team for spring meeting with contract vendors

Organization: Predictive Services

Predictive Services continues to provide “decision support services to fire leadership”. It is the hub for producing regional fire potential outlooks, compiling and reporting fire occurrence and resource status information and products.

Data and information management continue to be a major challenge. Increasingly, Predictive Services staff have become the subject matter experts for an ever-expanding range of topics and programs related to fuels and fire danger, weather, resources, and, by necessity, have become mostly self-trained data managers, analysts and statisticians.

The NWCC Predictive Services Unit was active and well engaged throughout 2013:

- Engaged role as RAWs Coordinator for the NW Geographic Area
- Coordinated and facilitated the National Predictive Services Intelligence conference
- Coordinated and facilitated the National Predictive Services Statistics/Database workshop for Spring 2014
- Provided instruction for S290, S490, S495 and S590 courses.
- Conducted local unit site visits, participated in IMT, dispatch workshops
- Inherited tasks formerly belonging to the NW Fire Environment Advisory Council
- National Predictive Services Intelligence Working Group Chair (Hirschfield)
- ROSS Reports Management Board Geographic Area Business Lead (Hirschfield)
- Collaboration with the NW Fire Science Consortium and Oregon State University
- Worked cooperatively with ODF, DNR, NWS meteorologists and PNW lab
- Provided research support to high school and university students
- Hosted 12+ detailers through the 2013 Fire Season
- Provided support to NW MAC, MAC Support
- Provided support to numerous information, data requests

Multi-Agency Coordinating Group (NW MAC)

Multi-Agency coordination is a critical part of the Wildland incident management system. Multi-Agency Coordinating Groups (MAC) is an interagency forum to discuss incident issues, prioritize incidents and allocate scarce resources. The NW MAC members, consisting of fire leadership from its member agencies and entities, receive their authority through delegations from their respective Agency Administrators. In the NW, MAC Support accomplishes staff work in support of the NW MAC mission:

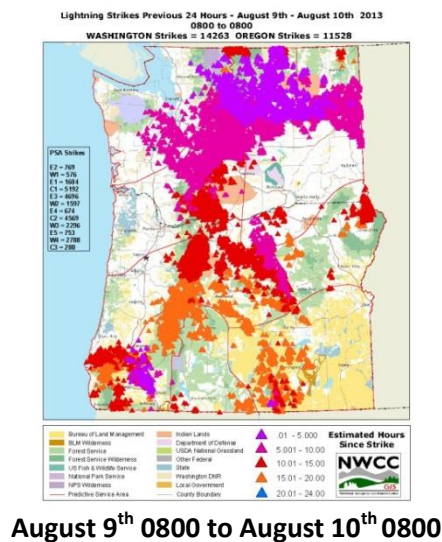
- In preparation for the 2013 Fire Season
- In coordination with the NWCC Center Manager, prepared NW MAC Operations Handbook
- Coordinated annual NW MAC Preparedness Review
- Provided staff support to NW MAC through 40+ days of incident operations and producing 32 formal NW MAC decisions
- Conducted site visit in support of SW Oregon SubGeo MAC and the Medford Interagency Dispatch Center during incident operations in SW Oregon
- Coordinated communications between ODF leadership and NW NMAC representative during Type 1 IMT transition for the Big Windy Complex

2013 Northwest Fire Season Summary

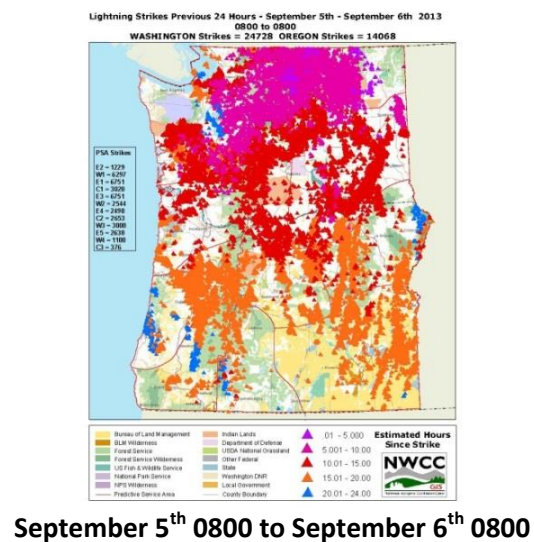
If you infer by statistics alone, 2013 appears as a very average fire season: number of fires, amount of burned acres, and even total number of days in which lightning occurred all fall within the “normal” range. If anything, what sets 2013 apart from other years is the sheer number of lightning strikes that fell in the NW. Over a quarter million strikes were recorded—four times the yearly average and twice the next closest annual record.

Generating a pulse of fires early in May, and another in early July, lightning activity began the fire season in earnest on July 25th in SW Oregon, igniting 8 large fires that culminated in the Douglas Complex, the Big Windy Complex and the Whiskey Complex. Over the next 43 days, over 500,000 acres of forest and rangeland burned in the Pacific NW. At the peak of the effort, more than 25,000 resource orders were processed through NWCC, mobilizing almost 7,000 firefighters for service on the fire-line. Heavy rain put an abrupt end to fire season in early September. Tragically, not all firefighters made it home. 34 firefighters gave their lives in 2013 in devotion to their country.

Chart 1: Lightning Density Maps (24 hour periods)

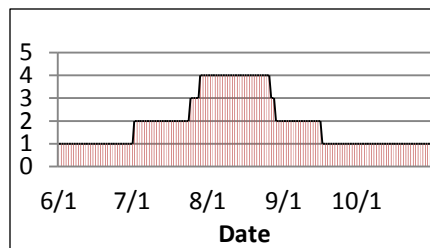


August 9th 0800 to August 10th 0800



September 5th 0800 to September 6th 0800

Chart 2: 2013 NW Preparedness Levels



Preparedness Levels (PL) were reflective of the sustained nature of the 2013 season. The PL rose to 4 on July 29th and remained there for 29 days (reaching PL 4 is typical - 3 out of every 4 years, on average - but the length of elevated activity was uncommon). At various times during peak activity, consideration was given to elevating to PL 5, but conditions ultimately did not warrant it.¹

¹ 2006 is the only year that has reached PL 5 in that span. PL records exist from 2005 to 2013

FIRE MAPS & STATISTICS

Table 1: NW 2013 Large Fires List

In order by start date. Large fire defined as >100 acres in timber, >300 acres, grass/brush.

Source: ICS-209. Individual fires within complexes are not listed. Containment dates are unofficial, based on best available information.

* Ownership Acronyms, see *Appendix, Unit Identifier Legend*. † Cause: H=Human, L=Lightning, U=Undetermined/Under Investigation.

Fuel; B=Brush, G=Grass, T=Timber. * IMT=Highest level assigned to incident

Incident	Owner *	Start Date	Contain Date	Cause †	Fuel **	IMT ***	PSA	Acres	Cost	Location
Shively Creek	OR-ODF	5/5	5/10	U	T	3	04	187	\$500,000	10 mi NE of Azalea, OR
Beacon Hill	OR-ODF	5/31	6/1	H	T	3	04	124	\$150,000	2 mi NE of Grants Pass, OR
Gordon Butte	OR-PRD	6/1	6/5	H	B	3	06	4,083	\$101,000	14 mi E of The Dalles, OR
Gateway (Complex)	OR-PRD	6/2	6/3	H	G	4	06	589	\$5,500	8 mi N of Madras, OR
Desmarais	WA-SPD	6/7	6/9	H	G	3	10	10,130	\$230,000	13 mi SE of Yakima, WA
Mail Trail	WA-SES	6/8	6/13	H	G	3	11	2,495	\$320,200	23 mi S of Lewiston, ID
Crowley Creek	OR-VAD	6/10	6/14	L	B	3	12	12,935	\$600,000	36 mi N of Burns Junction, OR
Stockade	OR-VAD	6/10	6/14	L	B	3	12	6,613	\$375,000	36 mi N of Burns Junction, OR
Wolford Canyon	OR-WSA	6/17	6/20	L	G	4	06	314	\$85,000	4 mi N of Warm Springs, OR
Curry Canyon	OR-VAD	6/30	7/2	L	B	3	12	2,574	\$500,000	5 mi N of Juntura, OR
Crooked Creek Complex	OR-VAD	7/1	7/4	L	G	2	12	10,124	\$833,546	4 mi E of Burns Junction, OR
Owhyee	OR-VAD	7/1	7/7	L	G	1	12	46,559	\$1,843,801	4 mi W of Adrian, OR
Shumway	OR-VAD	7/2	7/4	L	G	3	12	680	\$60,000	12 mi SE of Juntura, OR
Major Creek	OR-CGF	7/3	7/6	H	T	3	05	150	\$300,000	3 miles W of Lyle, WA
25 Mile	WA-SES	7/4	11/30	H	G	2	08	2,098	\$1,700,000	12 mi NW of Chelan, WA
Rattlesnake	WA-COA	7/4	7/8	H	G	3	09	600	\$416,425	7 mi NW Lincoln, WA
Straton Creek	OR-ODF	7/4	7/8	H	T	3	04	154	\$2,000,000	11 mi NW of Grants Pass, OR
Box Springs	OR-ODF	7/14	7/19	L	T	2	06	470	\$1,700,000	24 mi NE of Prineville, OR
B&O	WA-WFS	7/15	7/16	H	G	3	08	1,537	\$185,000	3 mi SW of Okanagon, WA
Cuba	OR-WWF	7/16	7/22	L	T	3	11	530	\$549,989	30 mi E of Joseph, OR
Arctic Dan Complex	WA-NCP	7/17	9/6	L	T	4	01	252	\$30,000	50 mi NW of Winthrop, WA
Miller's Island	OR-CGF	7/17	7/18	L	G	4	05	900	\$20,000	14 mi E of The Dalles, OR
Pacifica	OR-ODF	7/19	7/21	H	B	3	04	500	\$1,500,000	12 mi S of Grants Pass, OR
Sunnyside Turnoff	OR-WSA	7/20	7/29	H	B	2	06	51,340	\$6,450,000	5 mi N of Warm Springs, OR
Stagecoach	OR-PRD	7/23	7/26	H	T	3	07	330	\$550,000	7 mi S of La Pine, OR
Mile Marker 28	WA-YAA	7/24	8/5	U	T	2	05	26,092	\$12,900,000	15 mi NE of Goldendale, WA
Big Windy Complex	OR-ODF	7/26	9/30	L	T	1	04	26,725	\$36,489,789	25 NW of Grants Pass, OR
Brimstone	OR-ODF	7/26	8/5	L	T	2	04	2,372	\$7,277,254	14 mi NNW of Grants Pass, OR
Labrador	OR-RSF	7/26	9/24	L	T	2	04	2,023	\$8,128,115	13 mi NW of Cave Junction, OR
Whiskey Complex	OR-UPF	7/26	8/24	L	T	2	04	17,891	\$22,128,577	6 mi E of Tiller, OR
Colockum Tarps	WA-SES	7/27	8/16	H	G	2	10	80,184	\$11,000,000	12 mi SE of Wenatchee, WA
Douglas Complex	OR-ODF	7/27	9/3	L	T	1	04	48,679	\$55,000,000	3 mi W of Glendale, OR
Browns Creek	OR-DEF	7/28	7/30	L	T	3	07	108	\$80,000	17 mi NW of Gilchrist, OR
Davis Creek	OR-ODF	7/28	7/29	U	G	4	11	503	\$30,000	1 mile N of John Day, OR
Moore Point	WA-OWF	7/28	10/21	L	T	3	08	1,538	\$185,000	35 mi NW of Chelan, WA
Stemler Ridge	OR-VAD	7/31	8/2	L	G	3	12	3,078	\$30,000	4 mi N of Juntura, OR
Green Ridge	OR-DEF	8/1	8/14	L	T	2	06	1,510	\$4,870,000	14 mi NW of Sisters, OR
Riverside Block Complex	WA-NES	8/1	8/5	L	G	3	08	1,024	\$540,000	5 mi SE of Riverside, WA
Whiskey (Washington)	WA-SPD	8/1	8/3	L	B	4	10	650	\$5,000	15 mi E of Wenatchee, WA
Granite	WA-OWF	8/4	11/30	L	T	4	05	225	\$4,000	25 mi W of Leavenworth, WA
Coyote Gap	OR-BUD	8/7	8/7	L	G	3	12	807	\$80,000	40 mi NE of Fields, OR
GC Complex	OR-MAF	8/7	8/15	L	G	2	06	12,161	\$3,263,223	7 mi N of John Day, OR
Grassy Mountain	OR-VAD	8/7	8/9	L	G	3	12	17,237	\$660,000	22 mi SW of Jordan Valley
Mann	OR-BUD	8/7	8/8	L	G	3	12	355	\$75,000	55 mi N of Fields, OR
Sharon Creek	OR-VAD	8/7	8/10	L	B	3	12	11,205	\$300,000	18 mi SE of Rome, OR
Cedar Mountain	OR-VAD	8/8	8/13	L	G	3	12	25,000	\$2,000,000	26 mi N of Rome, OR
Milepost 10	WA-SES	8/9	8/16	L	B	2	10	5,445	\$1,600,000	1 mi S of Malaga, WA
Conrad Lake	WA-OWF	8/13	10/1	L	T	2	05	1,100	\$6,073,792	37 mi W of Yakima, WA
Lava	OR-BUD	8/13	8/19	L	G	3	12	6,898	\$300,000	12 mi NW of Diamond, OR
Vinegar	OR-UMF	8/14	9/16	L	T	2	11	1,351	\$7,380,000	28 mi NE of John Day, OR
House Creek	OR-BUD	8/15	8/22	L	B	2	12	2,769	\$3,000,000	33 mi N of Fields, OR
Strawberry Complex	OR-MAF	8/15	9/17	L	T	3	11	185	\$280,000	13 mi S of Prairie City, OR
Big Sheep 2	OR-WWF	8/17	8/23	L	T	3	06	129	\$1,164,804	19 mi NE of Joseph, OR
Government Flats	OR-ODF	8/17	9/8	L	G	2	06	11,354	\$14,400,000	10 mi S of The Dalles, OR
Eagle	WA-OWF	8/19	8/28	U	T	2	05	1,476	\$5,668,000	5 mi NE of Leavenworth, WA

FIRE MAPS & STATISTICS | Table 1: NW 2013 Large Fires List

Incident	Owner *	Start Date	Contain Date	Cause ⁺	Fuel ⁺⁺	IMT ⁺⁺⁺	PSA	Acres	Cost	Location
Manastash Ridge	WA-OWF	8/20	10/1	L	T	2	05	2,352	\$5,912,775	24 mi W of Ellensburg, WA
Sagehen Gulch	OR-MAF	8/23	8/28	L	T	3	12	290	\$290,000	26 mi SE of Prairie City, OR
Olympus	OR-BUD	8/24	8/28	L	B	3	12	3,314	\$1,000,000	23 mi E of Crane, OR
Grande Ronde	WA-SES	8/29	9/2	L	G	3	11	1,127	\$695,000	8 mi S of Anatone, WA
Middle Fork	OR-VAD	8/29	9/3	L	G	3	12	535	\$300,000	37 mi S of Jordan Valley, OR
Sam Davis	OR-OCF	9/7	9/28	L	G	4	06	320	\$27,900	18 mi SE of Mitchell, OR
Dead Canyon	WA-WFS	9/10	9/13	H	B	3	10	3,760	\$385,000	8 mi S of Mabton, WA
Boulder Butte	OR-OCF	9/11	10/23	L	T	3	11	208	\$15,000	18 mi N of Prairie City, OR
288 Jojo Road	WA-YAA	9/16	9/18	H	G	3	10	368	\$10,000	6 mi NW of Bickleton, WA
Riffle	OR-SHR	9/16	9/21	U	G	3	12	1,007	\$200,000	9 mi SE of Plush, OR
Webber	WA-SPD	9/18	9/19	H	G	3	10	650	\$0	4 mi SSE of Benton City, WA
Chinook Valley	WA-PCS	11/23	11/24	H	T	3	02	119	\$40,000	2 mi NE of Chinook, WA
								Total Acres	Total Cost	
Total Count								480,392	\$234,793,690	
67										

Table 2: NW 2013 Fires List: Confine/Monitor/Point Zone Protection

Source: ICS-209. Any size. Fires listed if last-reported suppression strategy was other-than *full suppression* (management strategy can change over the duration of the fire). All fires listed were lightning-caused (except Roan incident, human-caused).

Strategy Confine

Incident	Owner	Start Date	Contain Date	Out Date	Acres	Cost	Notes
Labrador	OR-RSF	7/26	9/24	9/24	2,023	\$8,128,115	One of multiple large SW OR fires from 7/26 lightning event.
Philippa	WA-MSF	8/10	9/19	9/19	2	\$47,000	Alpine Lakes Wilderness.
Coal Creek Mountain	WA-GPF	8/21	9/16	11/30	10	\$6,000	Origin 1.2 mi inside the Goat Rocks Wilderness boundary.
Bull Run 2	OR-WWF	9/15	9/25	9/25	0	\$1,250	Origin 1.4 mi inside Monument Rock Wilderness.

Strategy Monitor

Incident	Owner	Start Date	Contain Date	Out Date	Acres	Cost	Notes
Pass Creek	WA-MSF	5/6	5/13	5/14	0	\$200	Origin 2.5 mi E of MSF boundary, in Henry M. Jackson Wilderness.
Loomis	WA-MSF	5/13	8/6	8/6	0	\$1,500	Origin 2.1 mi outside Mt. Baker Wilderness, 2.7 mi from MSF boundary.
Martin	WA-MSF	6/17	8/8	8/8	0	\$1,800	Origin 1.5 mi outside Henry M. Jackson
Arctic Dan Complex	WA-NCP	7/17	9/6		252	\$30,000	Includes 7 fires within North Cascades NP.
Maple	WA-OWF	7/17	8/22	8/22	1	\$500	Origin 0.1 mi within Glacier Peak Wilderness.
Mt Baker RD Monitor Complex	WA-MSF	7/31	9/23	9/23	2	\$7,950	5 fires on Mt. Baker Ranger District, Mt Baker-Snoqualmie NF.
Bald Eagle	WA-MSF	8/4	9/18	9/18	0	\$500	On boundary of Henry M. Jackson Wilderness.
Granite	WA-OWF	8/4	11/30	11/30	225	\$4,000	Origin 3.0 mi inside Alpine Lakes Wilderness.
Downey Creek	WA-MSF	8/10	9/23	9/23	4	\$2,000	Origin 2.0 mi inside Glacier Peak Wilderness.
Storm Ridge	WA-MSF	8/12	9/18	9/18	0	\$500	On boundary of Henry M. Jackson Wilderness.
High Hat Katy Complex	OR-WWF	8/30	11/30	11/30	32	\$16,000	(2 fires) Eagle Cap Wilderness: High Hat (origin 2.1 mi inside wilderness bndry) & Katy (5.7 mi inside).
Roan	WA-MSF	8/31	9/23	9/23	0	\$400	Late season ignition. Origin 2.0 mi inside Boulder River Wilderness.
Whiskey Springs	OR-OCF	9/5	10/23	10/23	86	\$18,200	Late season ignition. Origin 0.3 mi outside Mill Creek Wilderness.
Copper King	WA-MSF	9/14	10/1	10/1	0	\$500	Origin 0.1 mi inside Clearwater Wilderness.
Twin Pillars	OR-OCF	9/15	10/23	10/23	145	\$3,500	Late season ignition. Origin 0.7 mi inside Mill Creek Wilderness.

Strategy Point Zone Protection

Incident	Owner	Start Date	Contain Date	Out Date	Acres	Cost	Notes
Moore Point	WA-OWF	7/28	10/21	10/21	1,538	\$185,000	Active suppression on lakeside developments, modified suppression in Lake Chelan-Sawtooth Wilderness.
Strawberry Complex	WA-COF	9/9	10/20	10/24	191	\$621,334	Non-wilderness. Origin 0.3 miles inside COF boundary. Rugged terrain. 2 miles S of Canadian border. Hi visibility from Hwy 395.
Sam Davis	OR-OCF	9/7	9/28	10/20	320	\$27,900	Strategy implemented using roads/natural barriers for containment opportunities.
Boulder Butte	WA-MSF	7/13	10/15	10/15	0	\$2,000	Origin 0.3 miles outside Mt. Baker Wilderness.

Total Count
23

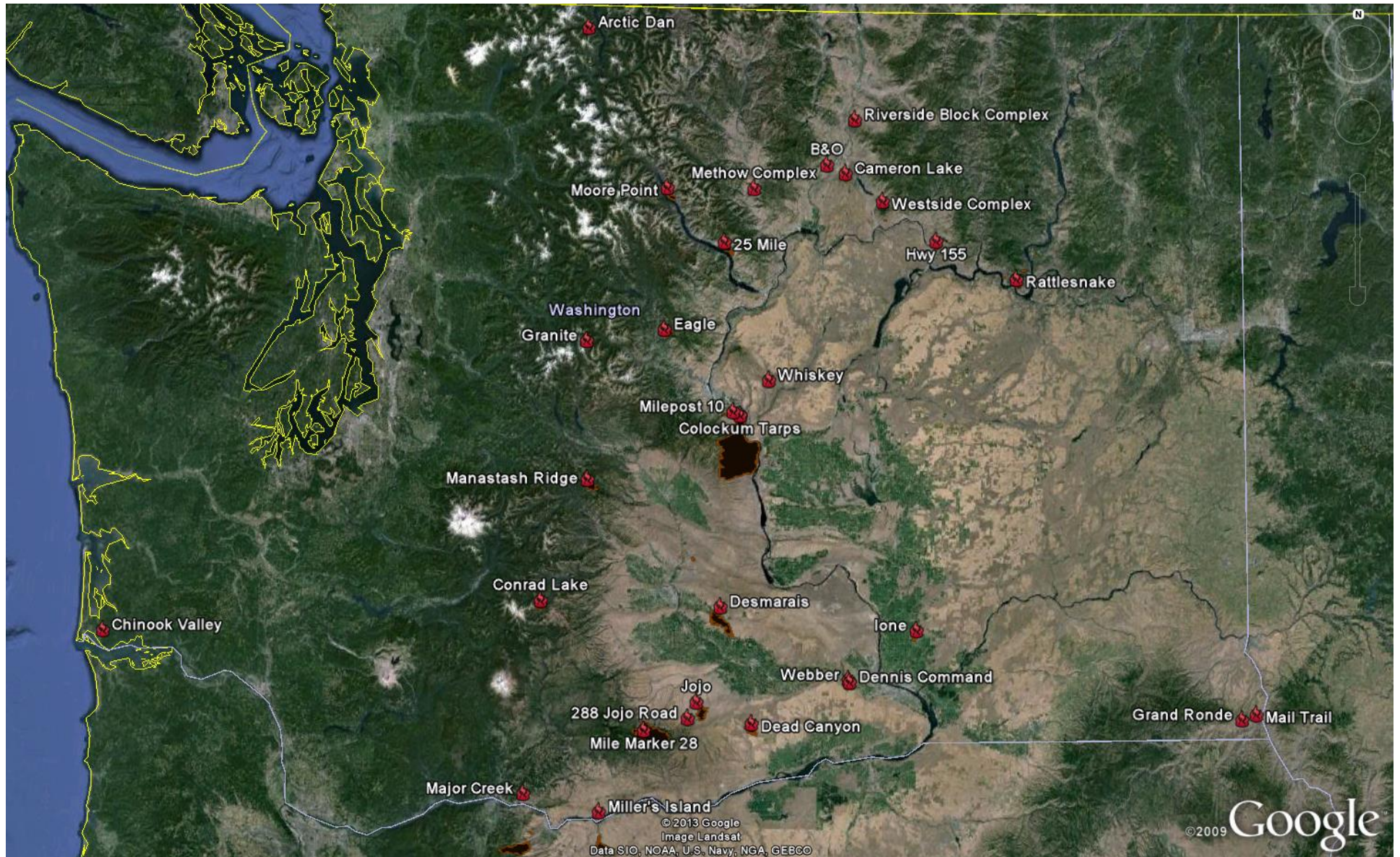
Total Acres
5,033

Total Cost
\$8,777,815

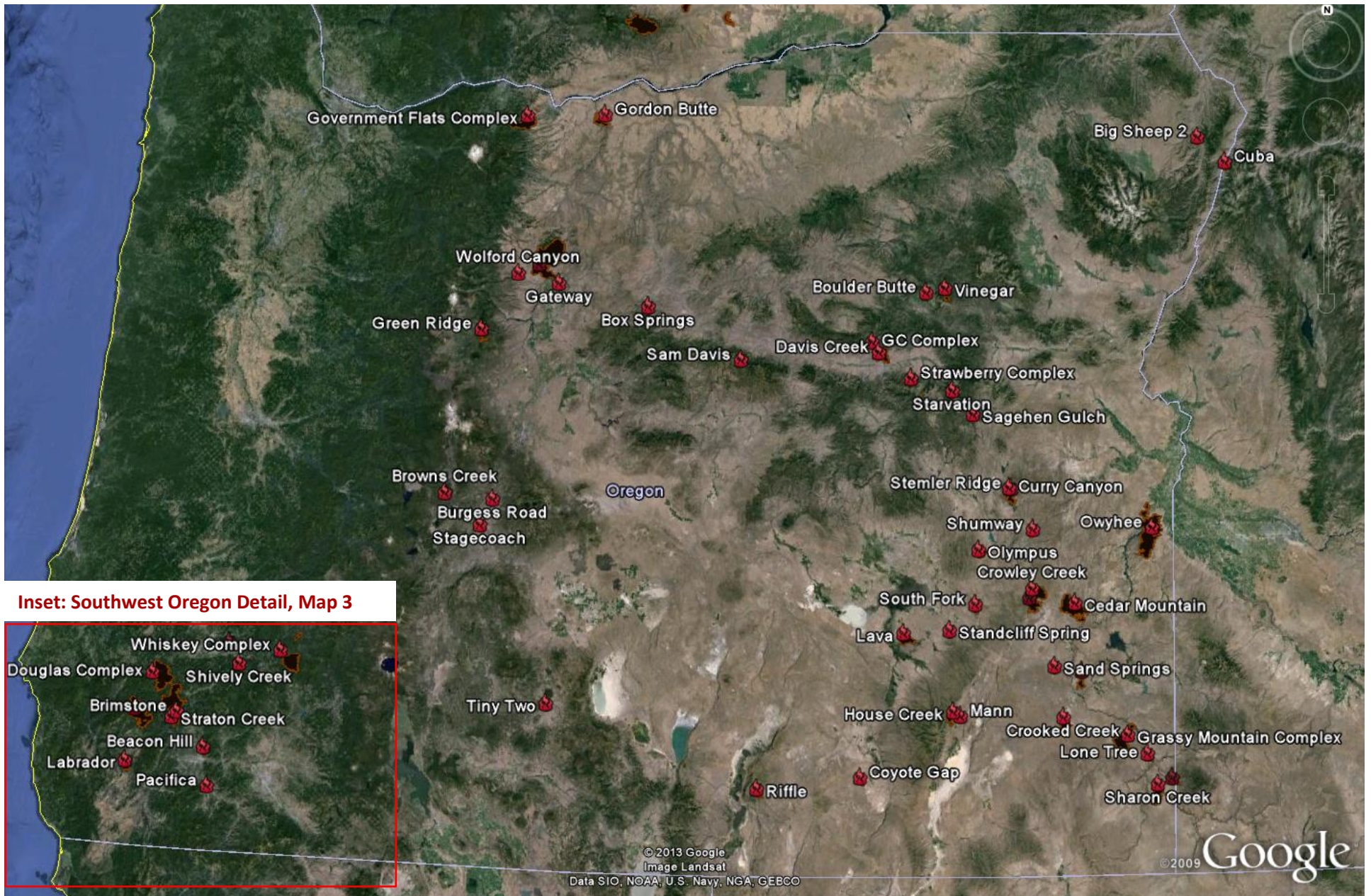
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NW 2013 Large Fire Location Maps

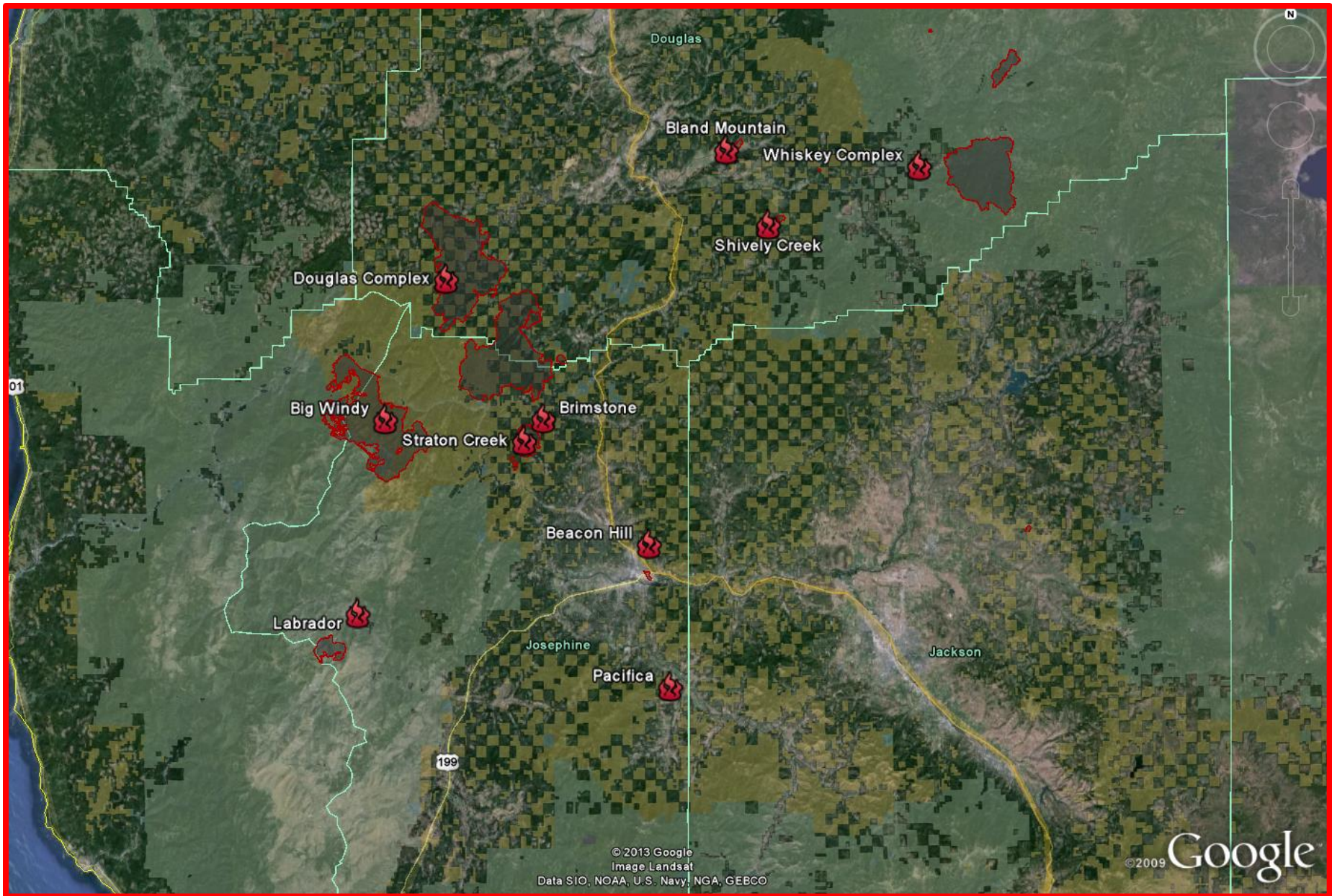
Map 1: Washington



Map 2: Oregon



Map 3: Southwest Oregon (Detail)



Fire Occurrence Statistics

NW Area Annual Fire Occurrence Charts

Source: 2012, 2013 figures - Interagency Situation Report (SIT-209). Previous years - federal and state reporting (KCFast, WFMI, ODF, DNR).

Chart 3: NW 2013 Reported Fires vs. 10-Year Average (by Protection)

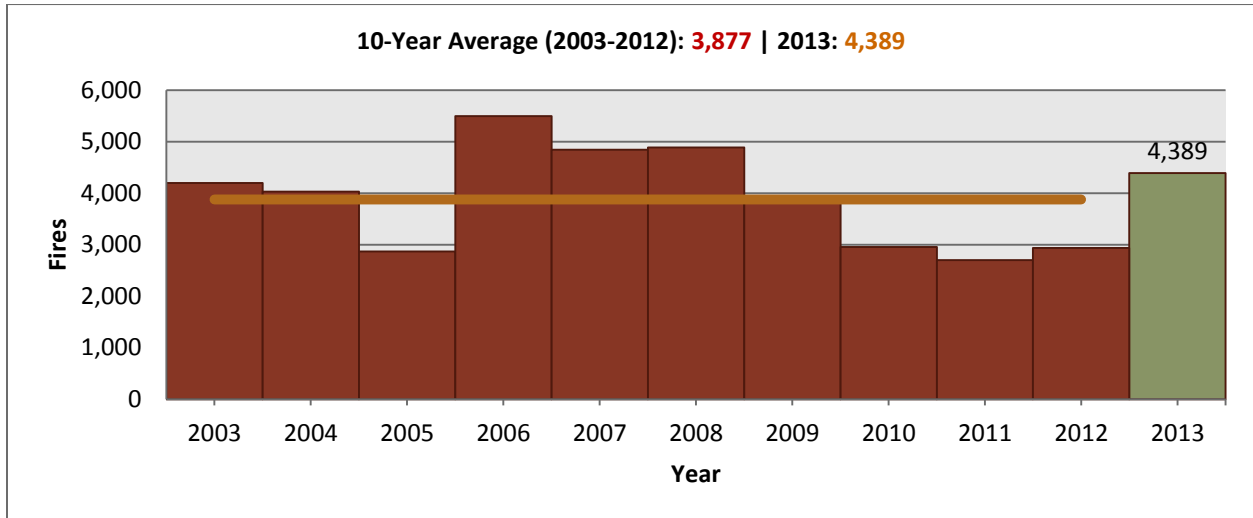


Chart 4: NW 2013 Reported Acres Burned vs. 10-Year Average (by Protection)

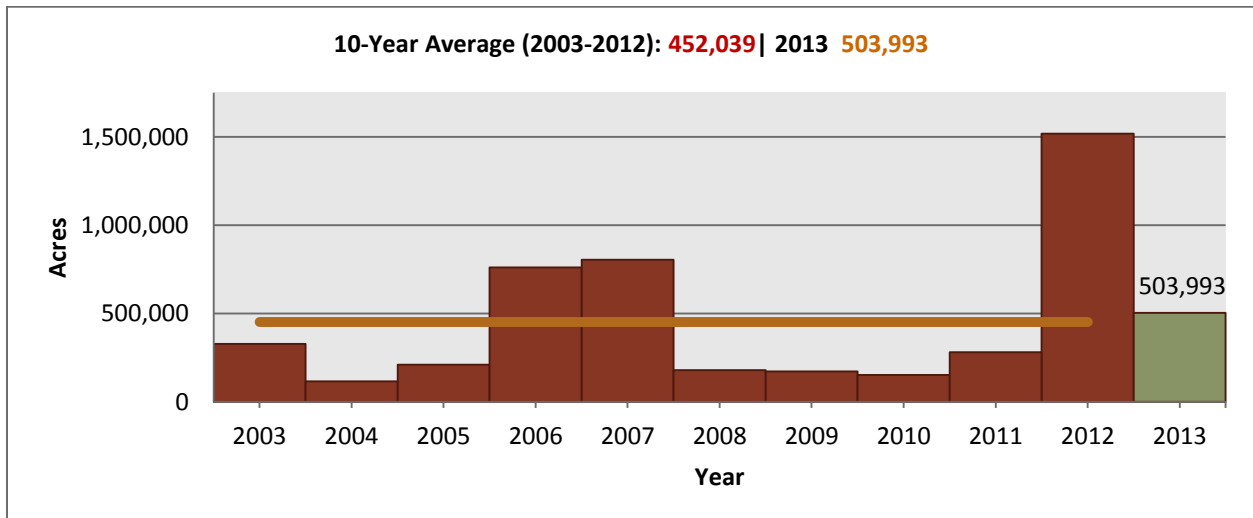


Chart 5: Oregon 2013 Reported Fires vs. 10-Year Average (by Protection)

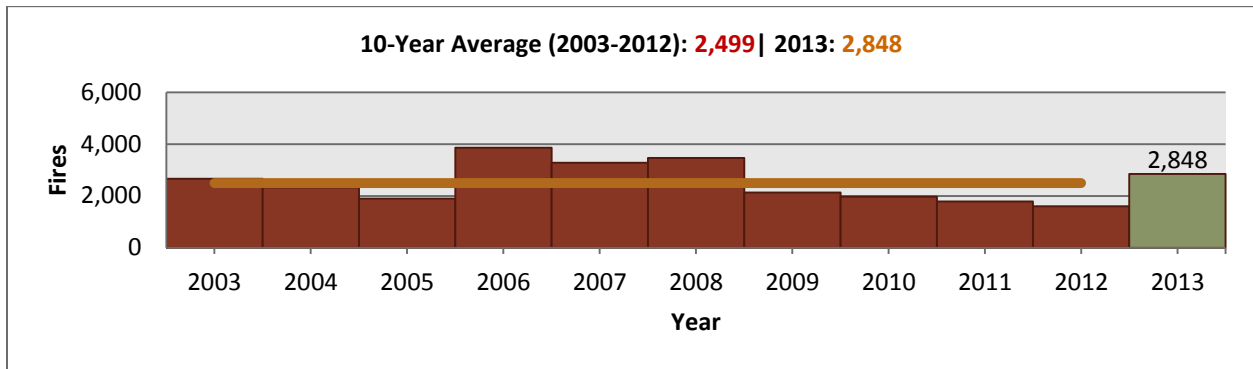


Chart 6: Oregon 2013 Reported Acres Burned vs. 10-year Average (by Protection)

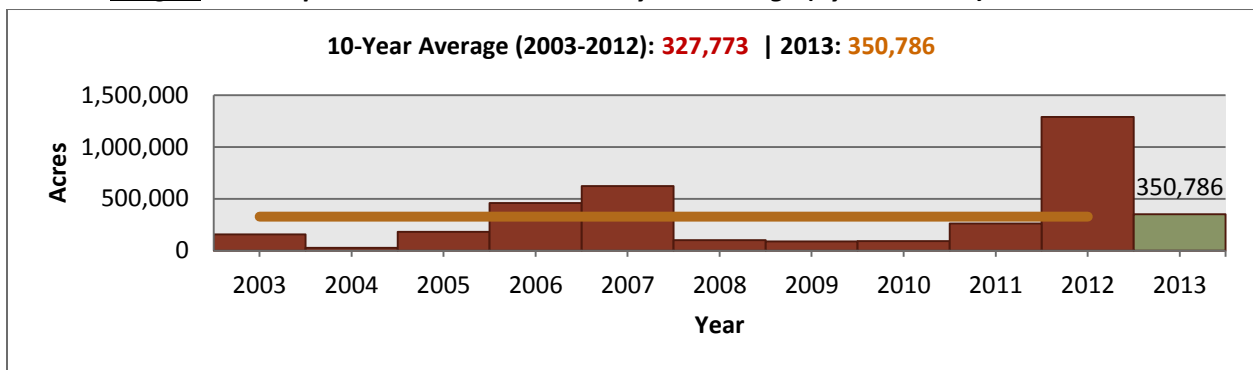


Chart 7: Washington 2013 Reported Fires vs. 10-Year Average (by Protection)

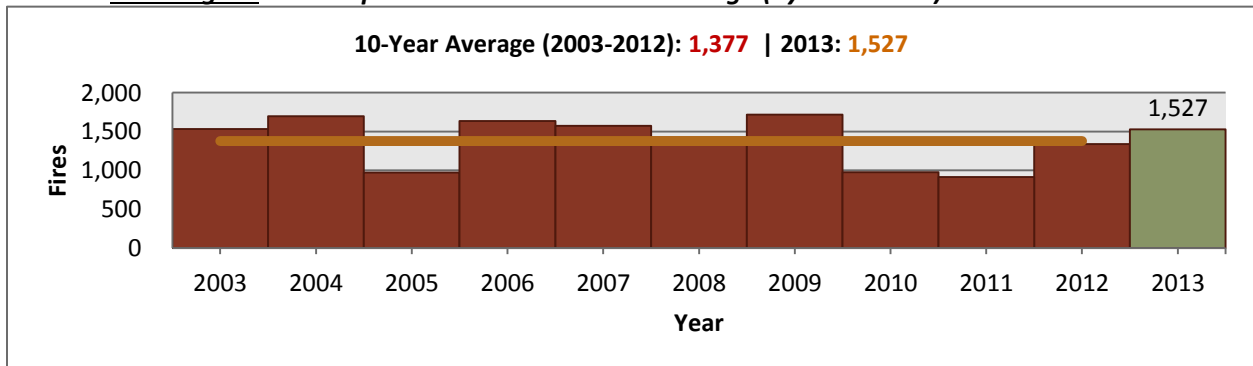
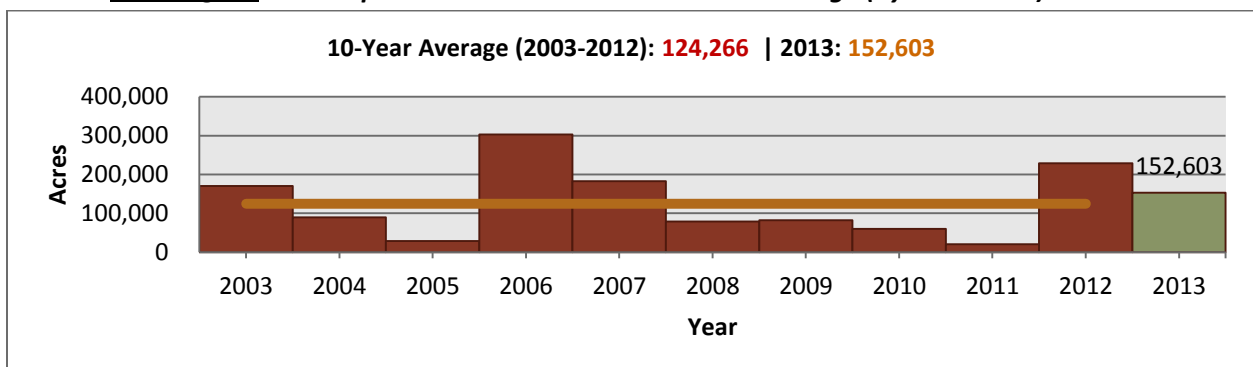


Chart 8: Washington 2013 Reported Acres Burned vs. 10-Year Average (by Protection)



NW 2013 Fire Occurrence by Agency

Source: Interagency Situation Report (SIT-209), reported 12/31/2013.

Chart 9: NW 2013 Reported Fires by Agency (by Protection)

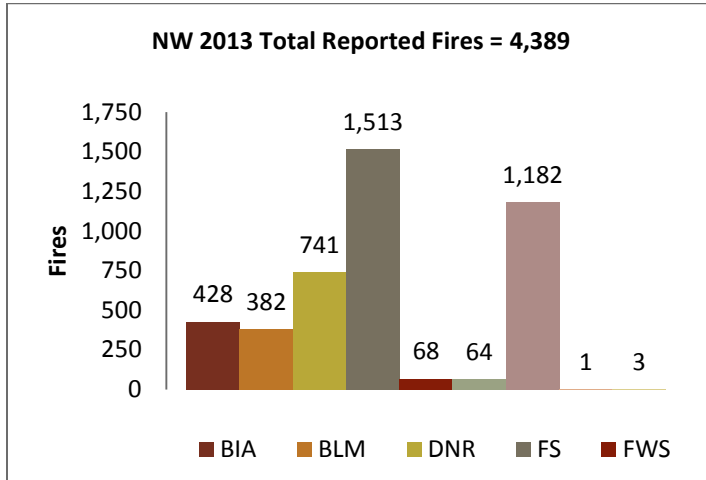


Chart 10: NW 2013 Reported Fires by Agency (by Protection) as a Percentage of Total

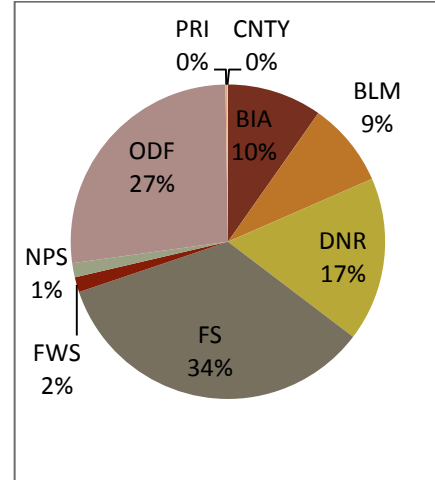


Chart 11: NW 2013 Reported Acres Burned by Agency (by Protection)

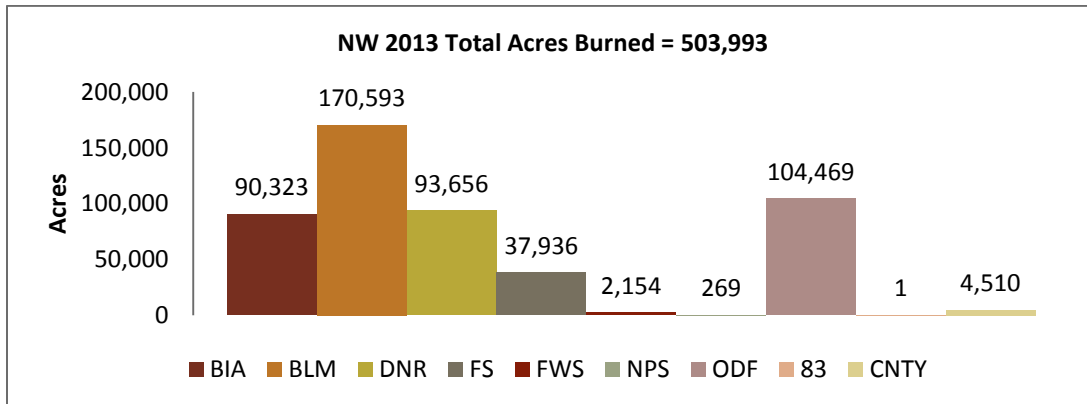


Chart 12: NW 2013 Reported Acres Burned by Agency (by Protection) as a Percentage of Total

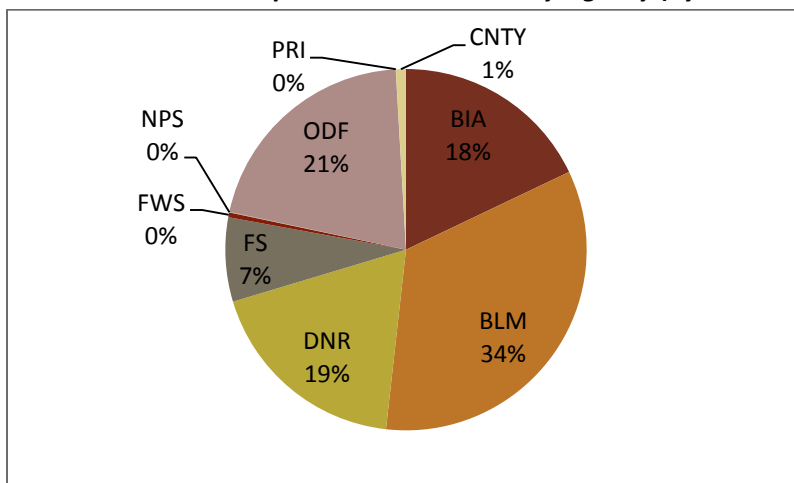


Chart 13: NW 2013 Reported Fires by Agency & Cause (Human/Lightning)

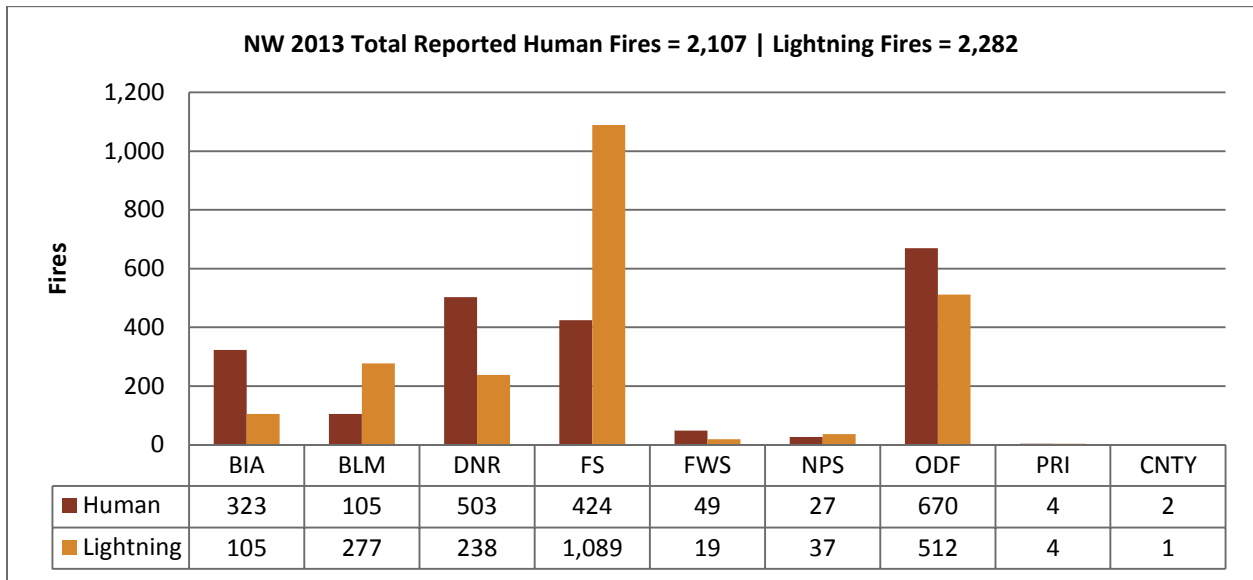


Chart 14: NW 2013 Reported Acres Burned by Agency & Cause (Human/Lightning)

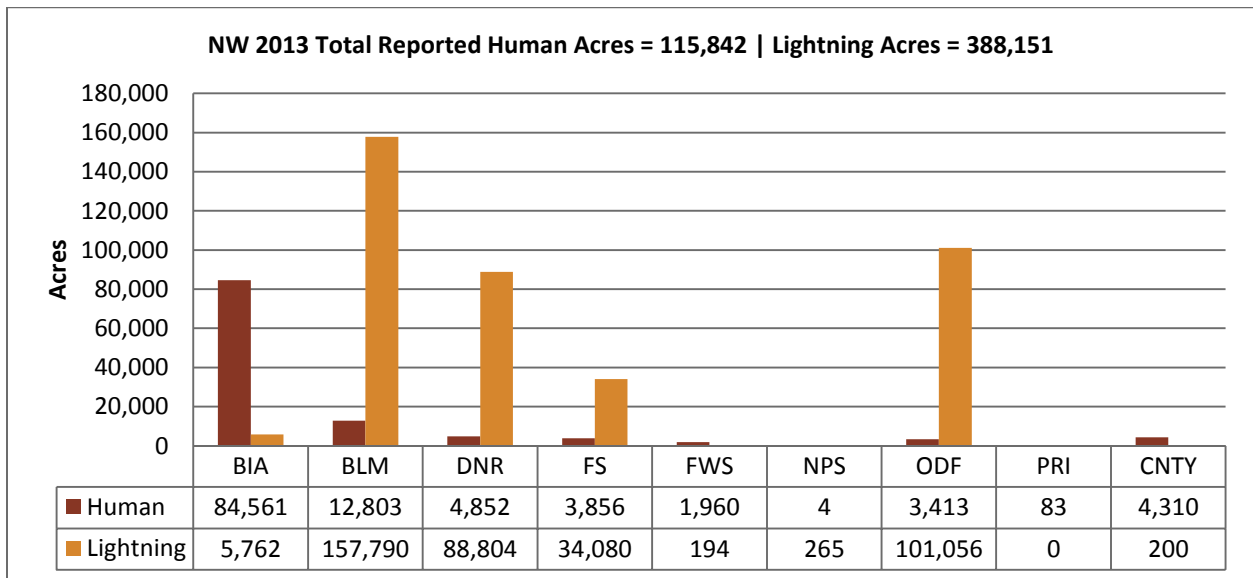


Table 3: Individual Units Fires & Acres

Grouped by Agency & State. *Source:* Interagency Situation Report (SIT-209), reported 12/31/2013. In addition to all of Oregon and Washington, NWCC has reporting responsibilities for small portions of neighboring states (Idaho, Nevada, California).

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
BIA	Oregon	Siletz Field Office	0	0	0	0	0	0
		Umatilla Agency	3	4	1	20	4	24
		Warm Springs Agency	54	51,345	21	412	75	51,757
	Oregon Total		57	51,349	22	432	79	51,781
	Washington	Colville Agency	53	1,135	55	567	108	1,702
		Quinault Nation Tribe	0	0	0	0	0	0
		Spokane Agency	3	2	2	0	5	2
		Yakama Agency	210	32,075	26	4,763	236	36,838
	Washington Total		266	33,212	83	5,330	349	38,542
BIA Total			323	84,561	105	5,762	428	90,323
BLM	Oregon	BLM Lands - Klamath Fire Center	1	0	0	0	1	0
		Burns Interagency Fire Zone	14	293	48	14,757	62	15,050
		Coos Bay District	2	0	1	0	3	0
		Eugene District	0	0	0	0	0	0
		Lakeview District	4	1	38	7	42	8
		Medford District	0	0	9	6	9	6
		Prineville District	48	5,152	64	385	112	5,537
		Roseburg District	4	195	40	6,304	44	6,499
		Salem District	2	0	1	0	3	0
	Vale District	6	571	62	136,304	68	136,875	
	Oregon Total		81	6,212	263	157,763	344	163,975
Washington	Spokane District	24	6,591	14	27	38	6,618	
Washington Total		24	6,591	14	27	38	6,618	
BLM Total			105	12,803	277	157,790	382	170,593
FWS	Nevada	Sheldon NWR	1	5	5	61	6	66
	Nevada Total		1	5	5	61	6	66
	Oregon	Ankeny NWR	0	0	0	0	0	0
		Baskett Slough NWR	0	0	0	0	0	0
		Bear Valley NWR	0	0	0	0	0	0
		Hart Mtn NWR	1	1,007	1	48	2	1,055
		Klamath Lake National Wildlife Refuges	2	21	1	0	3	21
		Malheur NWR	4	1	3	44	7	45
		Upper Klamath NWR	1	0	0	0	1	0
		William L. Finley NWR	0	0	0	0	0	0
		Oregon Total		8	1,029	5	92	13
	Washington	Little Pend Oreille NWR	0	0	1	0	1	0
		Mid-Columbia National Wildlife Refuges (WA-CWC)	40	926	5	40	45	966
		Turnbull NWR	0	0	3	1	3	1
		Willapa NWR	0	0	0	0	0	0
		Washington Total		40	926	9	41	49
FWS Total			49	1,960	19	194	68	2,154
NPS	Oregon	Crater Lake NP	3	1	18	4	21	5
		Oregon Caves NM	0	0	1	0	1	0
	Oregon Total		3	1	19	4	22	5
	Washington	Lake Roosevelt NRA	3	0	0	0	3	0
		Mount Rainier NP	0	0	4	0	4	0
		North Cascades NP	12	1	11	260	23	261
		Olympic NP	8	2	3	1	11	3
		San Juan Islands NHP	1	0	0	0	1	0
		Whitman Mission NHS	0	0	0	0	0	0
Washington Total		24	3	18	261	42	264	
NPS Total			27	4	37	265	64	269

FIRE MAPS & STATISTICS | Table 3: Individual Units Fires & Acres

Agency	State	Unit Name	Human Fires	Human Acres	Lightning Fires	Lightning Acres	Total Fires	Total Acres
USFS	Idaho	Hells Canyon NRA	0	0	8	538	8	538
	Idaho Total		0	0	8	538	8	538
	Oregon	Burns Interagency Fire Zone	12	641	31	9	43	650
		Columbia River Gorge NSA	22	125	3	930	25	1,055
		Deschutes NF	95	181	116	1,533	211	1,714
		Fremont-Winema NF (OR-KFC)	19	68	63	21	82	89
		Fremont-Winema NF (OR-LFC)	9	1	51	145	60	146
		Heppner District Umatilla NF	5	6	18	38	23	44
		Malheur NF	15	25	98	911	113	936
		Mt Hood NF	50	5	27	2,241	77	2,246
		Ochoco NF	21	14	43	588	64	602
		Rogue River-Siskiyou NF	17	7	84	2,089	101	2,096
		Siuslaw NF	3	0	1	0	4	0
		Umatilla NF (Oregon)	2	4	62	1,378	64	1,382
		Umpqua NF	34	16	52	17,943	86	17,959
		Wallowa Whitman NF	12	66	115	313	127	379
		Willamette NF	12	2	108	52	120	54
	Oregon Total		328	1,161	872	28,191	1,200	29,352
	Washington	Colville NF	8	1	21	3	29	4
		Gifford Pinchot NF	19	3	12	10	31	13
		Mt. Baker-Snoqualmie NF	21	8	42	11	63	19
		Okanogan-Wenatchee NF	45	2,683	116	5,312	161	7,995
		Olympic NF	2	0	4	1	6	1
		Umatilla NF (Washington)	1	0	14	14	15	14
	Washington Total		96	2,695	209	5,351	305	8,046
USFS Total			424	3,856	1,089	34,080	1,513	37,936
CNTY	Oregon	Oregon Fire Service	0	0	0	0	0	0
	Oregon Total		0	0	0	0	0	0
	Washington	Washington Fire Service	2	4,310	1	200	3	4,510
	Washington Total		2	4,310	1	200	3	4,510
CNTY Total			2	4,310	1	200	3	4,510
PRI	Oregon	Burns Interagency Fire Zone	4	83	4	0	8	83
	Oregon Total		4	83	4	0	8	83
PRI Total			4	83	4	0	8	83
ST	Oregon	Coos Forest Protective Association	60	114	9	2	69	116
		Douglas Forest Protective Association	64	478	81	33,340	145	33,818
		Grants Pass ODF	132	661	69	44,867	201	45,528
		John Day Unit ODF	13	773	91	12,531	104	13,304
		Klamath Unit ODF	19	33	40	165	59	198
		Lake Unit ODF	10	28	21	20	31	48
		Medford Unit ODF	98	141	57	18	155	159
		Oregon State Department Of Forestry	220	690	109	237	329	927
		Prineville Unit ODF	6	6	16	503	22	509
		Sisters Unit ODF	25	175	11	166	36	341
		The Dalles Unit ODF	23	314	8	9,207	31	9,521
	Oregon Total		670	3,413	512	101,056	1,182	104,469
	Washington	Northeast Region DNR	209	461	162	1,651	371	2,112
		Northwest Region DNR	45	21	4	28	49	49
		Olympic Region DNR	19	80	0	0	19	80
		Pacific Cascade Region	126	410	5	1	131	411
		South Puget Sound Region DNR	36	27	3	0	39	27
		Southeast Region DNR	68	3,853	64	87,124	132	90,977
	Washington Total		503	4,852	238	88,804	741	93,656
ST Total			1,173	8,265	750	189,860	1,923	198,125
Grand Total			2,107	115,842	2,282	388,151	4,389	503,993

RESOURCE INFORMATION & STATISTICS

NW Incident Management Teams

Source: COGNOS/ROSS Reports.

Table 4: NW IMT 2013 Assignment Summary

Team Type	Team Name	Incident State	Incident Type	Assignments	Total Days Assigned
NIMO					
	Portland NIMO - Hahnenberg				
		California	Other Support	1	10
			Program Support - Mgt	1	13
		Oregon	Fire - Wildfire	2	16
		Wyoming	Fire - Wildfire	1	16
	Portland NIMO - Hahnenberg			5	55
NIMO Total				5	55
Type 1					
	PNW Team 2 - Schulte				
		Oregon	Fire - Wildfire	2	22
	PNW Team 2 - Schulte Total			2	22
	PNW Team 3 - Lewis				
		Oregon	Fire - Wildfire	1	18
	PNW Team 3 - Lewis Total			1	18
Type 1				3	40
Type 2					
	ODF Team 1 - Savage				
		Alaska	Fire - Wildfire	2	18
		Oregon	Fire - Wildfire	1	9
	ODF Team 1 - Savage Total			3	27
	ODF Team 2 - Sifford				
		Oregon	Fire - Wildfire	1	26
	ODF Team 2 - Sifford Total			1	26
	ODF Team 3 - Thorpe				
		Oregon	Fire - Wildfire	3	31
	ODF Team 3 - Thorpe Total			3	31
	OR Team 1 - Williams				
		Oregon	Fire - Wildfire	2	23
	OR Team 1 - Williams Total			2	23

RESOURCE INFORMATION & STATISTICS | NW Incident Management Teams

Team Type	Team Name	Incident State	Incident Type	Assignments	Total Days
Type 2					
	OR Team 2 - Fillis				
		Oregon	Fire - Wildfire	3	29
	OR Team 2 - Fillis Total			3	29
	OR Team 3 - Johnson, D.				
		Colorado	Preparedness/Preposition	1	10
		Idaho	Fire - Wildfire	1	12
		Oregon	Fire - Wildfire	1	17
	OR Team 3 - Johnson, D. Total			3	39
	OR Team 4 - Watts				
		Oregon	Fire - Wildfire	4	36
	OR Team 4 - Watts Total			4	36
	WA Team 1 - Johnson, B.				
		Washington	Fire - Wildfire	1	6
	WA Team 1 - Johnson, B. Total			1	6
	WA Team 2 - Rabe				
		Washington	Fire - Wildfire	2	23
	WA Team 2 - Rabe Total			2	23
	WA Team 3 - Allbee				
		Alaska	Fire - Wildfire	1	7
		Washington	Fire - Wildfire	1	12
	WA Team 3 - Allbee Total			2	19
	WA Team 4 - Nickey				
		Washington	Fire - Wildfire	3	42
	WA Team 4 - Nickey Total			3	42
	WA Team 5 - Leitch				
		Washington	Fire - Wildfire	1	5
	WA Team 5 - Leitch Total			1	5
Type 2				28	306

Source: COGNOS/ROSS Reports.

Table 5: Portland NIMO Assignment History

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
Portland NIMO - Hahnenberg	CA-ONCC	CA-ONCC	Saddleback Memorial	Other Support	6/16	10
	OR-NWC	OR-NWC	R06 Support 2013	Fire - Wildfire	8/1	10
	OR-NWC	OR-UPC	Whiskey Complex	Fire - Wildfire	8/10	6
	MT-NRC	WY-YNPC	Alum	Fire - Wildfire	8/20	16
	CA-OSCC	CA-STCC	Rim Fire Support	Program Support - Mgt	9/18	13

Table 6: Type 1 NW IMT Assignment History

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
PNW Team 2 - Schulte	OR-NWC	OR-VAC	Owyhee	Fire - Wildfire	7/2	6
	OR-NWC	OR-712C	Big Windy	Fire - Wildfire	7/28	16
PNW Team 3 - Lewis	OR-NWC	OR-712C	Big Windy	Fire - Wildfire	8/10	18

Table 7: Oregon Type 2 IMT Assignment History

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
ODF Team 1 - Savage	AK-ACC	AK-TASC	Moon Lake	Fire - Wildfire	6/28	2
	AK-ACC	AK-FASC	Skinny's Road	Fire - Wildfire	6/29	16
	OR-NWC	OR-73C	Douglas Complex	Fire - Wildfire	8/19	9
ODF Team 2 - Sifford	OR-NWC	OR-73C	Douglas Complex	Fire - Wildfire	7/26	26
ODF Team 3 - Thorpe	OR-NWC	OR-COC	0307 Box Springs	Fire - Wildfire	7/16	4
	OR-NWC	OR-712C	Brimstone/Lightning Complex	Fire - Wildfire	7/29	8
	OR-NWC	OR-954C	Government Flats Complex	Fire - Wildfire	8/18	19
OR Team 1 - Williams	OR-NWC	OR-UPC	Whiskey Complex	Fire - Wildfire	7/27	16
	OR-NWC	OR-BIC	House Creek	Fire - Wildfire	8/17	7
OR Team 2 - Fillis	OR-NWC	OR-MIC	Labrador	Fire - Wildfire	7/27	13
	OR-NWC	OR-BMC	Big Sheep 2	Fire - Wildfire	8/19	3
	OR-NWC	OR-BMC	Vinegar	Fire - Wildfire	8/21	13
OR Team 3 - Johnson, D.	CO-RMC	CO-RMC	R2 2013	Preparedness/Preposition	6/24	10
	UT-EBC	ID-PAC	Thunder City	Fire - Wildfire	7/20	12
	OR-NWC	OR-UPC	Whiskey Complex	Fire - Wildfire	8/8	17
OR Team 4 - Watts	OR-NWC	OR-VAC	Crooked Creek	Fire - Wildfire	7/2	6
	OR-NWC	OR-WSC	Sunnyside Turnoff	Fire - Wildfire	7/22	9
	OR-NWC	OR-JDCC	GC Complex	Fire - Wildfire	8/8	8
	OR-NWC	OR-BMC	Vinegar	Fire - Wildfire	8/15	13

Table 8: Washington Type 2 IMT Assignment History

Team Name	Incident GACC	Incident Dispatch	Incident Name	Incident Type	Mob ETD	Days Assigned
WA Team 1 - Johnson, B.	OR-NWC	WA-CWC	Milepost 10	Fire - Wildfire	8/10	6
WA Team 2 - Rabe	OR-NWC	WA-YAC	Mile Marker 28	Fire - Wildfire	7/25	13
	OR-NWC	WA-CWC	Eagle	Fire - Wildfire	8/20	10
WA Team 3 - Allbee	AK-ACC	AK-YTDC	Mid Stuart Creek 2	Fire - Wildfire	7/1	7
	OR-NWC	WA-CWC	Conrad Lake	Fire - Wildfire	8/13	12
	OR-NWC	WA-CWC	25 Mile	Fire - Wildfire	7/5	5
WA Team 4 - Nickey	OR-NWC	WA-WAC	Colockum Tarps	Fire - Wildfire	7/25	22
	OR-NWC	WA-CWC	Manastash Ridge	Fire - Wildfire	8/22	15
WA Team 5 - Leitch	OR-NWC	WA-CAC	Whitmore III	Fire - Wildfire	8/11	5

NW Interagency Hotshot Crews

Source: COGNOS/ROSS Reports.

Chart 15: Days Assigned to Incidents 2013

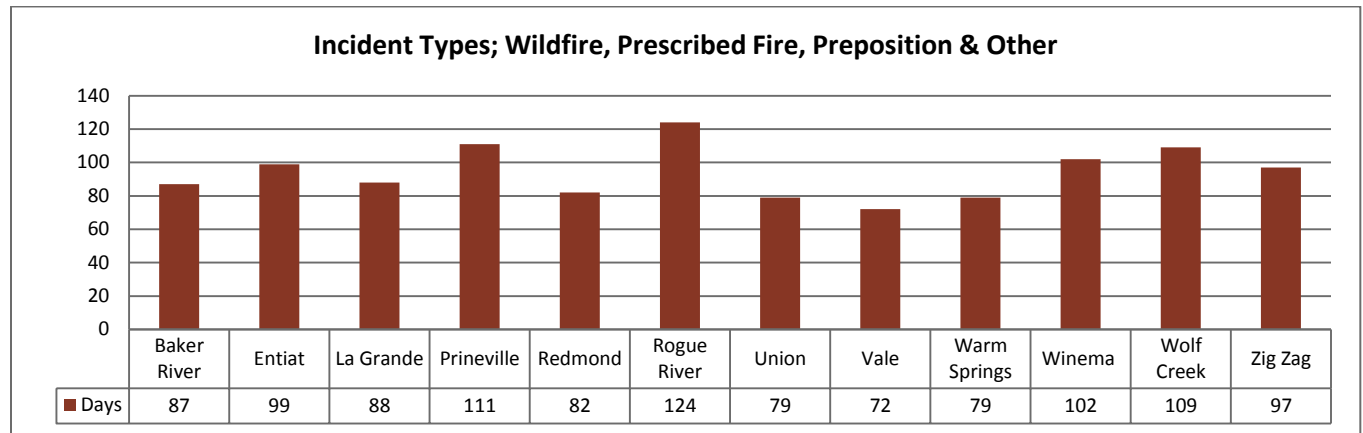
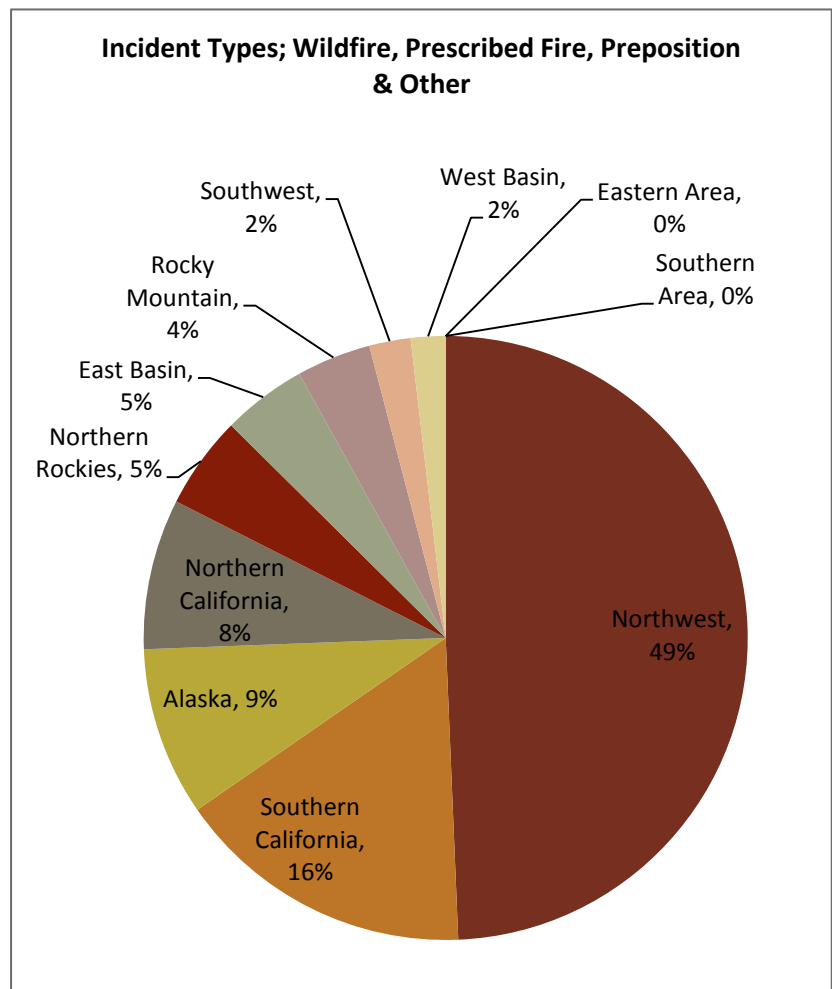


Table 9: Days Assigned & Percentage of Total by Geographic Area

GACC	Days	%
Alaska	102	9%
Northern California	91	8%
Southern California	181	16%
Rocky Mountain	45	4%
Southern Area	0	0%
Eastern Area	0	0%
Northern Rockies	56	5%
Southwest	25	2%
West Basin	21	2%
Northwest	557	49%
East Basin	51	5%
Total	1,129	100%

Chart 16: Percentage of Total Days Assigned by Geographic Area



Smokejumpers – North Cascades

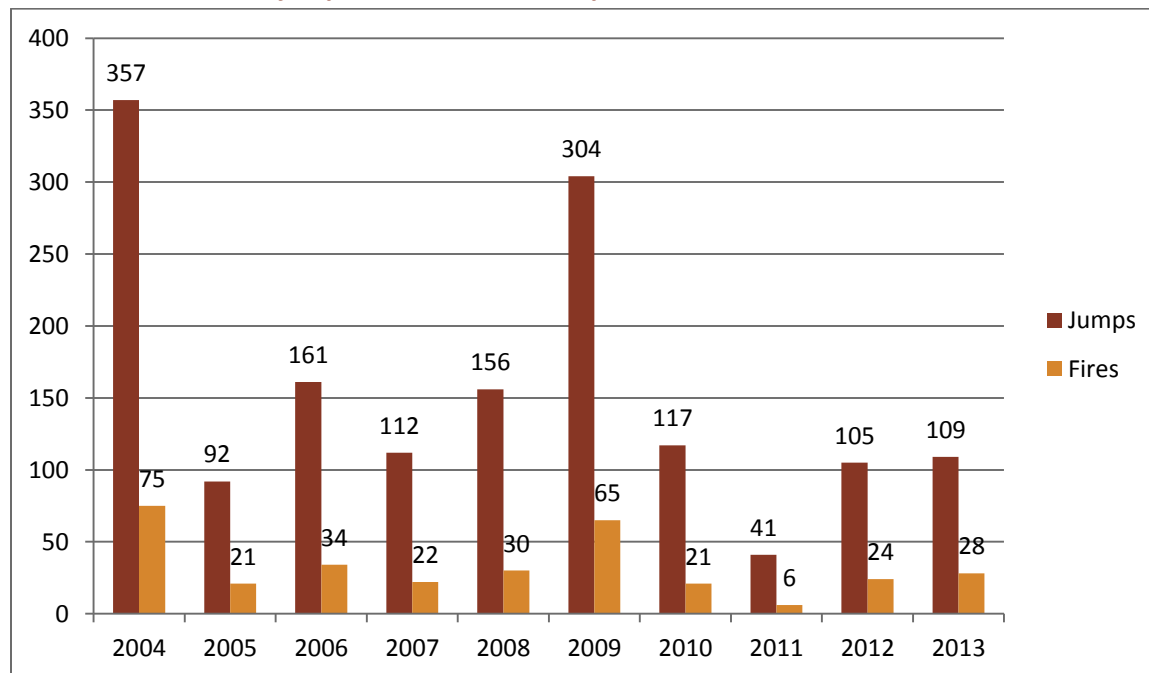
Source: North Cascades Smokejumper Base (NCSB), excerpt. For full report, contact NCSB.

Fire Season Summary

The North Cascades Smokejumper base staffed 28 fires with a total of 109 operational jumps. The first fire was jumped on July 9th and the last September 11th. Twenty-seven fires were jumped on the Okanogan-Wenatchee with one fire jumped in the North Cascades National Park. While boosting other bases North Cascades personnel jumped 41 fires with 88 operational fire jumps. The largest booster activity was in Alaska where NCSB helped staff 15 fires on 44 jumps. Within the region NCSB helped jump and staff an additional 13 fires out of the Redmond Air Center. Nationally the North Cascades jumpers and spotters helped staff 69 fires with 197 successful operational jumps. NCSB had one lost time injury (a bruised heel).

North Cascades Smokejumpers functioned as managers on high complexity incidents throughout the west. This included providing Type 3 command for the Okanogan-Wenatchee on the Sun Mountain and Manastash fires. NCSB provided air attack, division supervisors, task force leaders, crew bosses, and long term analyses on Type 1 and 2 incidents throughout the region and nationally. North Cascades Smokejumpers performed in extended details as the suppression AFMO on the Methow Ranger District, as an Air Attack Group Supervisor on the regional platform, and as a helitack squad leader on the El Dorado NF.

Chart 17: NCSB Smokejumper's 10 Year Fire Jump Numbers



Smokejumpers – Redmond

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

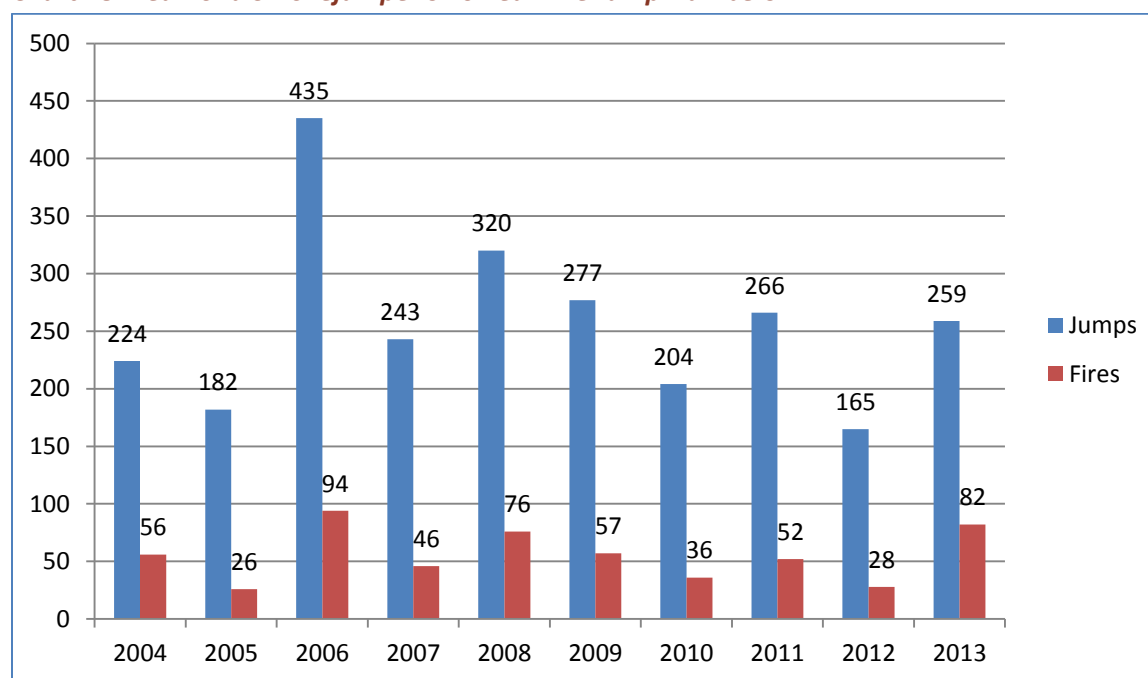
2013 Fire Season Summary

Out of Redmond, 82 fires were staffed totaling 259 fire jumps. Redmond Smokejumpers and Boosters responded to fires in 10 separate land management areas. The first fire jump occurred on May 6th and the last on September 14th. The 82 fires are approximately 149% of our 10-year average of 55 fires, and 259 fire jumps is 101% of our 10-year average of 257 fire jumps.

Redmond Smokejumpers on booster assignments jumped 37 additional fires, in 6 different GACCS.

The Deschutes and Willamette National Forests were our primary users with 24 and 12 fires respectively. Other users were the; Umatilla NF, Malheur NF, Winema NF, Umpqua NF, Rouge Siskiyou NF, Wallowa Whitman NF, Klamath NF, and Ochoco NF.

Chart 18: Redmond Smokejumper's 10 Year Fire Jump Numbers



Redmond Air Tanker Base

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

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

2013 Year End Totals

RETARDANT

Gallons of Retardant -----	852,470
Loads of Retardant-----	372
Retardant Cost to Fires -----	\$1,654,544.80
Retardant Contract Length -----	137 days
Contract Extension-----	0 days
Retardant Loads Aborted or Jettisoned -----	2
Average Turnaround Time -----	12 minutes

FIRE INFORMATION

Number of Agency Users-----	6
Number of Fires Worked With Air Tankers -----	45
Number of Initial Attack Fires -----	29
Number of Fires Reinforced -----	16
Number of Air Tankers that operated from RDM-----	20

LANDINGS

Total Number of Landings -----	357
Total Landing Fee Costs (at \$2.81 per 1000lbs)-----	\$100,697.00
Types of Air Tankers Making Landings-----	4
(BAe-146, P-2V, CV-580, DC-7)	

PEAK OPERATIONS

Max # of Air Tankers Operating in One Day (July 22) -----	6
Max # of Incidents Worked in One Day (Aug. 7) -----	4
Max. # of Loads in One Day (Aug. 7 -----	27
Max. # of Gallons Retardant Pumped in One Day (Aug. 19)-----	64,367
Max # of Landings in One Day (July 22) -----	22
First Air Tanker Mission Flown-----	July 14
Where Flown: “Box Spring”, (State – ODF)	
Last Air Tanker Mission Flown -----	September 16
Where Flown: “Riffle” Incident, (Federal - FWS)	

NW Rappel Aircraft

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

Table 10: 2013 Activity Totals – Region 6

2013	Wenatchee	Sled Springs	Frazier	John Day	Siskiyou	Prineville	Totals	Average
Flt. Hours on Fire	229.3	215.2	198.1	173.1	138.3	160.0	1114.0	185.7
Flt. Hours Other	8.5	13.3	28.1	8.2	18.1	13.2	89.4	14.9
Days on Contract	137	120	120	134	117	120	748	124.7
# IA's	27	73	30	43	38	35	246	41.0
# Large Fires	4	3	5	6	8	6	32	5.3
Person Days on Fire	518	333	1352	704	1092	653	4652	775.3
Training Rapps	0	26	213	102	100	140	581	96.8
Proficiency Rapps	127	128	100	180	147	90	772	128.7
Op. Rapps	71	39	26	76	122	69	403	67.2
Total Rapps	198	193	339	358	369	299	1756	292.7
Rapp IA's/EA's	18	39	20	26	31	22	156	26.0
Helitack IA's	8	24	7	13	5	7	64	10.7

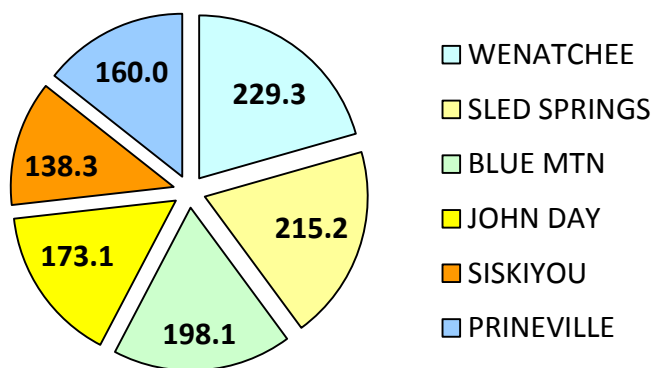


Chart 19: 2013 Flight Hours on Fire

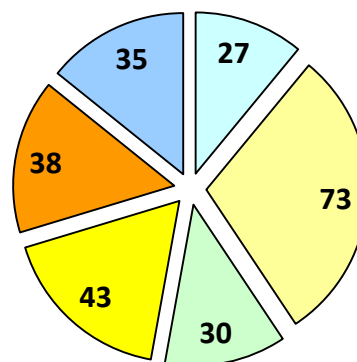


Chart 18: 2013 Initial Attack Numbers

APPENDIX

Table 11: Unit Identifier Legend

BIA	Bureau of Indian Affairs	NPS	National Park Service
COA	Colville Agency	CLP	Crater Lake National Park
MAA	Makah Agency	ELP	Ebey's Landing National Historical Reserve
NWA	Northwest Regional Office	FCP	Ft. Clatsop National Monument
OPA	Olympic Peninsula	FVP	Fort Vancouver National Monument
PSA	Puget Sound Agency	JDP	John Day Fossil Beds National Monument
SIA	Siletz Agency	KGP	Klondike Gold Rush National Historical Park
SPA	Spokane Agency	LCP	Lake Chelan National Recreation Area
UMA	Umatilla Agency	LRP	Lake Roosevelt National Park
WSA	Warm Springs Agency	MRP	Mt. Rainer National Park
YAA	Yakima Agency	NCP	North Cascades National Park
		OCP	Oregon Caves National Monument
BLM	Bureau of Land Management	OLP	Olympic National Park
BUD	Burns District	PNP	Columbia Cascades Support Office
CBD	Coos Bay District	RLP	Ross Lake National Recreation Area
EUD	Eugene District	SJP	San Juan Island National Historical Park
LAD	Lakeview District	WMP	Whitman Mission National Historic Site
MED	Medford District		
OSO	OR/WA State Office	USFS	Forest Service
PRD	Prineville District	CGF	Columbia River Gorge National Scenic Area
ROD	Roseburg District	COF	Colville National Forest
SAD	Salem District	DEF	Deschutes National Forest
SPD	Spokane District	FWF	Fremont-Winema National Forest
VAD	Vale District	GPF	Gifford Pinchot National Forest
		MAF	Malheur National Forest
FWS	Fish & Wildlife Service	MHF	Mt. Hood National Forest
MAR	Malheur National Wildlife Refuge	MSF	Mt. Baker-Snoqualmie National Forest
BVR	Bear Valley National Wildlife Refuge	OCF	Ochoco National Forest
CBR	Columbia National Wildlife Refuge	OKF	Okanogan National Forest
HMR	Hart Mountain National Antelope Refuge	OLF	Olympic National Forest
KLR	Klamath Marsh National Wildlife Refuge	RO6	Regional Office
LPR	Little Pend Oreille National Wildlife Refuge	RSF	Rogue-Siskiyou National Forest
MCR	Mid-Columbia National Wildlife Refuge Complex	SUF	Siuslaw National Forest
NQR	Nisqually National Wildlife Refuge	UMF	Umatilla National Forest
OCR	Oregon Coast National Wildlife Refuge Complex	UPF	Umpqua National Forest
PAR	Pacific Region	WEF	Wenatchee National Forest
RFR	Ridgefield National Wildlife Refuge	WIF	Willamette National Forest
SHR	Sheldon-Hart National Wildlife Refuge	WWF	Wallowa-Whitman National Forest
SLR	Sheldon National Wildlife Refuge	State	
TBR	Turnbull National Wildlife Refuge	DNR	Washington Department of Natural Resources
TUR	Tualatin River National Wildlife Refuge Complex	NES	Northeast Region
UKR	Upper Klamath National Wildlife Refuge	NWS	Northwest Region
UMR	Umatilla National Wildlife Refuge	OLS	Olympic Region
WMR	Washington Maritime National Wildlife Refuge Complex	PCS	Pacific Cascades Region
WOR	Western Oregon National Wildlife Refuge	SES	Southeast Region
WPR	Willapa National Wildlife Refuge	SPS	South Puget Sound Region
WSR	Warm Springs National Fish Hatchery	WAS	Washington State Headquarters
WVR	Willamette Valley National Wildlife Refuge Complex		
		WFS	Washington Office of State Fire Marshal
		ODF	Oregon Department of Forestry
		OFS	Oregon Office of State Fire Marshal

Table 12: Agency Identifier Legend

Federal Government Agencies	
<i>Department of the Interior</i>	
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
FWS	Fish & Wildlife Service
NPS	National Park Service
<i>Department of Agriculture</i>	
USFS	Forest Service
State Government Agencies	
ODF	Oregon Department of Forestry
DNR	Washington Department of Natural Resources