

# EXECUTIVE SUMMARY

**ACRES BURNED** – 154,817 Statewide acres were ignited. There has been a concentrated effort by federal land managers to increase pace and scale of prescribed fire to mitigate some of the hazards of wildfire which has increased acres this year. The 10-year average is 187,551 acres. Though the 10-year average has decreased, the 2023 acres burned have increased from the 2022 yearly acres.

**INTRUSIONS** – There was only 1 smoke intrusions into Smoke Sensitive Receptor Areas (SSRAs) based on the new 2019 definition (see below) of a smoke intrusion. This represents a lower number of intrusions recorded. The 10-year average is 8 intrusions.

**SMOKE IMPACTS** – There were 19 smoke incidents recorded with highest impacts in Bend at 899.8 microns per cubic meter.

**EMISSIONS** - Emissions were 10,984 tons of PM 2.5. This is close to the 10-year average of 10,978 tons.

# PROGRAM OVERVIEW

The Oregon Smoke Management Plan was developed as a voluntary program in 1969 and adopted as a regulatory program by the State Forester and the Environmental Quality Commission (EQC) in 1972. The plan has gone through several major revisions since then. The last revision to the plan was completed in early 2019. Implementation started March 1 of that year. Key elements changed in the plan include: \*

- 1. The definition of a smoke intrusion to include a threshold for a short-term (hourly) smoke impact and a threshold for a 24-hour average impact.
- 2. Development of a communication framework and community response plans. Approved community response plans will allow for an exemption to the one-hour threshold of a smoke intrusion.
- 3. Increasing the amount of polyethylene sheeting allowed to cover burn piles to keep them dry to reduce smoke emissions.
- \*See OAR 629-048 for the details of these changes.



# PROGRAM OVERVIEW CONTINUED

### The plan's overall purposes are:

- 1. To improve the management of prescribed burning as a forest management and protection practice.
- 2. To minimize emissions from prescribed burning consistent with the air quality objectives of the federal Clean Air Act.

The plan applies to all lands classified as forestland and all federally managed forestland, whether classified or not, within a forest protection district.

In general, all federal forestland and Class I forestland in western Oregon is regulated at a higher level but all forestland owners and managers must comply with most or all aspects of the program.

# The Oregon Smoke Management Plan contains six principal objectives. These objectives are to:

- 1. Minimize smoke emissions resulting from prescribed burning.
- 2. Provide maximum opportunity for essential forestland burning.
- 3. Protect public health by avoiding intrusions.
- 4. Coordinate with other state smoke management programs.
- 5. Comply with state and federal air quality and visibility requirements; and
- 6. Promote the further development of alternatives to burning and emission reduction techniques.



# **Monitoring & Smoke Audits:**

The Oregon Smoke Management Plan's goal is an annual audit of approximately one percent of the prescribed burns conducted in the Regulated Area. Approximately half of the audits are conducted on the day of the burn and half are conducted prior to ignition. The purpose of these audits is to maintain consistent data reporting and monitor the effectiveness of the Oregon Smoke Management program.

The Smoke Management Field Coordinator devotes significant time to overseeing the audit program and improving the compliance for conducting audits. This year 34 audits were completed, for a total of 13,292 audited tons. The audit breakout was 23 pre-burn audits and 11 burn-day audits. Forest Service, BLM, state, and private units were audited. At least one of these audits was mutually agreed upon and performed on a non-regulated neighboring agency in a successful relationship building and information-sharing visit.

Trends this year showed better pre-burn reported tons within acceptable ranges due to close coordination on the West Bend Pilot Burn project. Burn day trends showed equal above and below tonnage reporting. This may be an abnomalty year due to the concentrated efforts on West Bend.

The Smoke Management Field Coordinator continues to teach both agency and non-agency personnel the proper way to estimate fuel loading through on-the-job training during site visits, burn boss refresher training courses, the regional Rx-301/341, and Rx-410 Smoke Management Techniques course, and fuel-load estimation briefing papers.

An entire series of video tutorials on how to do a fuels transect, estimate tonnage, and use tools to help burners have also been advertised and published to the field. In addition, the SIMPLE fuel-loading calculator (a web-based program that utilizes a modified Browns transect for estimating fuel-loading) has been accepted by Forest Service and BLM researchers. Research and testing are ongoing as the field continues to use the new fuel-loading tool. Our federal partners have adopted its use and ODF's fuel-loading estimation methodology as their standard operating procedures. A white paper on the technique and where to get more information was developed by the Smoke Management Field Coordinator in consultation with the Forest Service's Regional Air Quality Program Manager. It's anticipated this outreach and education effort will lead to more precise fuel-load estimates.

### **DIRECTIVE PERFORMANCE MEASURES**

The Audit program touches all performance measures. The principal goals of the Smoke Management Plan are identified in **OAR 629-048-0010(4)**.

### **Meteorologly Performance Measures**

ODF Forecasters and staff continue to comply with state and federal air quality and visibility requirements by minimizing smoke emissions, resulting from prescribed burning by asking if and encouraging the use of polyethelene on piles to reduce emissions. This provides maximum opportunity for essential forestland burning by incentivizing the use of ERTs (Emission Reduction Techniques) through offering a 50% increase in tonnage for burn units using ERTs vs. those burns not using ERTs. Continued follow-up with review and analysis of any intrusions also facilitates the protection of public health through intrusion avoidance. Increased cross-agency collaboration and coordination with other state smoke management programs keeps ODF up-to-date on best practices and improves the increase in smoke management communication at the local level and across stakeholders.

# **METEOROLOGY**

Oregon Department of Forestry meteorologists provide written daily Smoke Management forecasts and burning instructions statewide from October – June, as well as year-round phone consultation for prescribed burning operations.

Through a cooperative agreement with DEQ they are compiling the open burning forecast for the Willamette Valley north of Lane County throughout the year. In addition, ODF provides the Department of Agriculture field burning forecasts for the north Willamette Valley, Jefferson County, and Union County during the summer field burning season (July 5- October 15).

Other weather forecast services include 3-month outlooks (issued monthly) & support for significant weather events that may or may not increase the chances for wildfire starts/spread (i.e., heavy rain/snow/ice, wind, lightning, etc.) other that may or may not.

# METEOROLOGY SERVICES



# **ALTERNATIVES TO BURNING**

As part of a recommendation from the 2013 review of the Smoke Management Plan, the program is tracking acres of treated forestland where alternatives to burning were employed instead of using prescribed fire. In addition, emission reduction techniques of prescribed burn units are also tracked.

Total statewide acres using emission reduction techniques including landing, grapple, hand-piled, and right-of-way piles according to ODF Smoke Management Database: 133,935.

Alternative to burning techniques include biomass removal, scattering material, chipping, crushing, firewood removal, non-treatment, or other techniques for reducing fire hazards and/ or creating planting spots

without using prescribed fire.

Emission reduction techniques including piling clean piles instead of broadcast or underburning, use of rapid ignition techniques, covering piles with polyethylene sheeting to keep the piles dry, and other techniques used to reduce particulate and gaseous emissions while burning.

The goal is to show the program is not exclusively focused on prescribed burning but all treatment methods that most effectively reduce fire hazard, maintain productive and resilient forests, and keep or improve air quality.

# **PERFORMANCE MEASURES GOALS/METRICS**

# Goal: 1 Minimize smoke emissions, resulting from prescribed burning.

ODF has documented where alternatives to burning or emission reduction techniques have occured. This has led to an increase in tonnage burned due to piles being covered and creating cleaner consumption of volitol organic compounds. Total statewide acres using emission reduction techniques including landing, grapple, hand-piled, and right-of-way piles according to ODF Smoke Management Database: 133,935.

Training in ERT's are taught on site at every Rx burn that the Smoke Management Field Coordinator or Prescribed Fire Specialist attend. There were over 34 smoke audits where training occured, and approximately 5 other trainings via federal prescribed fire and smoke management trainings or various presentations to EPA conferences and Prescribed Fire Counsels where there were hundreds of attendees trained.

# Goal: 2 Provide maximum opportunity for essential forestland burning.

Ignitions: 3,477, acres accomplished: 154,406. Increase of tons burned is not quanitifable with current programming capabilities.

Zero NAAQS exceedances, no AAR was needed.

Smoke Mgt. Field Coord. is promoting the use of polyetheline for increased tonnage allowance and forecasters are allowing a 50% increase in tonnage for burn units using ERTs vs. those burn units not using ERTs.

# Goal: 3 Protect public health by avoiding intrusions and building smoke resilient communities.

DEQ has enhanced the quality of Oregon's air quality monitoring network by the addition of 30 new lower cost SensORs across Oregon. There are currently 8 CRPs in Oregon. DEQ has not been made aware of any new CRPs being developed since those developed using grant funding provided by SB 762, which resulted in the completion of 4 CRPs in 2022/2023. Locations for 20 additional SensORs have been identified but these monitors have not been deployed due to staffing constraints associated

with deployment, maintenance, and data management for the monitors. Continuing work to promote collaboration between local and tribal public health authorities, vulnerable populations, vegetation/fuel managers, and prescribed burners by assisting in the development of at least one new CRP annually.

# Goal: 4 Strengthen cross agency collaboration and coordination with other state smoke management programs.

ODF staff have attended several culture burns to streighten tribal smoke programs. Our staff has also presented and attended the national EPA smoke seminar meeting. We continue to meet with EPA, DEQ, FS, OHA, and others to promote and collaborate between local and public health authorities, vulnerable populations, vegetation/fuel managers, and prescribed burners for burns like the West Bend Pilot program.

In 2023, DEQ assisted four communities with the completion of their CRPs and provided support to eight Tribes on projects to address smoke preparedness and response. DEQ presented at EPA's Smoke Management in the Northwest Conference and provided ad hoc technical assistance related to prescribed fire smoke to communities and partner agencies. DEQ also coordinated on planning for the West Bend Prescribed Burn Pilot through the fall of 2023, with burns planned for the spring 2024 burn window. In 2023 OHA provided technical assistance and staffing to the OHA-funded Regional Climate and Health Coordinator for Deschutes, Crook and Jefferson Counties to prepare at-risk communities for possible smoke impacts from the West Bend Prescribed Burn Pilot, served on the Incident Management Team planning the pilot, and engaged in the development of the federal/state Joint Statement of Intent to Cooperate on Prescribed Fire and Smoke Management. OHA also conducted annual pre-season Interagency Smoke Management call and Summer Hazards Kickoff meeting for county and tribal public health partners. Finally, the 2023 legislature renewed funding OHA passes through to public health system partners (Oregon's Nine Federally Recognized Tribes, local county public health authorities, and 57 community based organizations) to build climate resilence to wildfire and smoke through development of climate and health plans and strategies.

# PERFORMANCE MEASURES GOALS/METRICS

Goal: 5 Comply with state and federal air quality and visibility requirements.

Forecasters and Smoke Mgt. Coordinator monitors air sensors to ensure requirments are being met. Documentation of smoke impacts and intrusions are done for every Rx burn exceeding thresholds adopted by ODF and DEQ.

# Goal: 6 Continuously increasing social license and the development of positive public perception of prescribed fire.

ODF continues to maintain smoke communications efforts, by updating and distributing the Statewide Communication Framework (SCF) to stakeholders annually. We continue to promote collaboration by assisting in regional engagement related to SM/RX burning in Oregon. The 23 communication strategy document was sent out January 2nd 2024. The Smoke Mgt. Field Coord, and the Prescribed Fire Specialist also work dilligiently with burners on the ground to educate the public on the benefits of prescribed fire and how to protect yourself from smoke should it occur in your area. Continued efforts are given to public meetings with Dept. of Transportation to ensure road safety and visibility. The Smoke Mgt. Field Coord. also serves nationally as an Air Resource Advisor to assist communities in finding informations on what wildfire and prescribed fire smoke will be doing each day ignitions are occuring.









# COMMUNITY WILDFIRE DEFENSE PROGRAM

Spring of 2023 brought 10 Community Wildfire Defense Grant (CWDG) awards to Oregon totaling \$23.5M in funding for communities across the state to help fund CWPP updates, mitigation education projects and fuel mitigation projects.

Oregon entities received the 2nd highest dollar amount compared to other states. This includes creating defensible space around homes and other structures, roadside fuel reductions,

implementing a community brush dump program, creating Firewise Communities and more.

The CWDG Program Coordinator continues to provide support and technical assistance for organizations (ODF, local government agencies, tribes, non-profits) interested in the program year-round.

# **COMMUNITY WILDFIRE PROTECTION PLANS**

The Community Wildfire Protection Planning (CWPP) process is the collaboration between communities and agencies interested in reducing wildfire risk. Oregon Department of Forestry field staff participates in the development of CWPP's at the local level, working with state and local agencies, community members, and federal partners to prioritize hazardous fuel reduction projects on federal and private lands in the wildland urban interface. Numerous counties and communities are working to update CWPP's across the state. In 2023 Rocky Point Community (Klamath County), Benton, Douglas, Harney, and Multnomah counties completed updates.

## **National Fire Plan**

Oregon was awarded \$2,013,243 for mitigation of hazardous fuels in high-risk communities through the 2023 Western State Fire Managers' (WSFM) Wildland Urban Interface (WUI) grant program. This funding is made possible by the USDA Forest Service National Fire Plan State Fire Assistance in partnership with the Council of Western State Foresters. These funds will reduce wildfire risks for property owners across Oregon in communities such as Florence, along the coast, and Pine Valley in northeast Oregon.

Additionally, three projects were selected through the Community Assistance grant program funded by US Forest Service Region 6. These projects were chosen based on reduced wildfire hazard in Communities at Risk in Oregon and benefit to federal lands through mitigation and prevention activities. More than a million dollars was provided to fund these projects and support the Oregon Prescribed Fire Council's mission to promote and conserve the fire adapted natural ecosystems in Oregon and expand the responsible use of prescribed fire. In 2023, WSFM-WUI and Community Assistance projects from prior year awards treated 2,021 acres within the WUI, implemented prevention activities within communities and promoted the Firewise USA  $^{\circ}$  recognition program. An additional 296 acres were treated through Joint Chiefs' Landscape Restoration Partnership and Watershed Restoration and Enhancement Act (Wyden Amendment) agreements.

## FIREWISE USA®

In 2023 residents across Oregon continued to show interest in improving their community's resilience to wildfire and understanding the work they can do to protect their home during a wildfire. Thirty-nine new Firewise USA \* sites were recognized in Oregon in 2023, including the first sites in Tillamook, Hood River, and Yamhill counties. Oregon ended the year with 290 sites in "good standing", ranking second for all states across the nation. Nationally, Jackson County ranked 4th and Deschutes County was 5th for the number of sites in a county.

Oregon Department of Forestry works with homeowners, partner agencies and local fire districts to provide community risk assessments and three-year action plans for the sites. Residents in Firewise USA \* sites invested 216,355 hours of time reducing wildfire risk to their home and property through home hardening actions, clearing flammable materials from around the home, reducing vegetation within the home ignition zone (0-200'), and learning wildfire prevention and mitigation strategies. In addition to the residents' investment of time, \$6,263,985 was paid to contractors for activities related to wildfire risk reduction. This includes \$166,400, on 15 projects funded by Oregon Department of Forestry's Small Forestland Grant Program funded by SB 762.

National Fire Protection Association's Firewise USA \* is a voluntary recognition program administered in Oregon by Oregon Department of Forestry. The program is co-sponsored by the USDA Forest Service and National Association of State Foresters. Firewise USA \* provides an organizational framework to support neighbors working together to reduce wildfire risks within their neighborhood and community.



# TABLE 1 2014-2023 ACCOMPLISHMENT SUMMARY

The following tables and figures provide detailed information about the Smoke Management program. The data details accomplishments for 2023 and compares them with previous years.

# 6 STATISTIGS

### **YEAR** # UNITS # UNITS **ACRES TONS** INCI-INTRU-INTRU-**BURNED REGIS-BURNED BURNED DENTS SIONS** SIONS/IG-**TERED NITIONS %** 2014 4,095 3,492 208,593 1,405,349 13 .31^ 9 2015 3,601 3,101 179,613 1,371,114 .24^ 2016 3,484 2,928 181,800 1,228,107 11 .30^ .29^ 2017 3,597 2,868 159,624 10 1,004,108 2018 4,307 3,388 185,702 1,270,725 18 .42^ 2019\* 3,726 3,726 200,629 1,245,128 39 6 .14^ 1 0 2020 3,146 2,287 130,997 863,875 .00^ 2 2021 3,253 2,476 143,653 996,496 43 .06^ 1 2022 3,014 2,148 107,463 874,117 13 .01^ 19 1 .05^ 2023 3,289 1,580 154,817 1,057,900 AVERAGE 3,351 2,799 165,289 1,131,692 0.18

\*Based on new smoke incident and intrusion definitions implemented in the 2019 rule change.

<sup>^</sup>Values were all recalculated from 2012 to intrusions per ignition.

Note: Due to updated information from units being registered, accomplished, or database updates after December 31, numbers may vary slightly.

Note: Due to updated coding, numbers from 2023 may vary slightly.



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## Figure 2a

# Number of Intrusions 2023

# STATISTICS

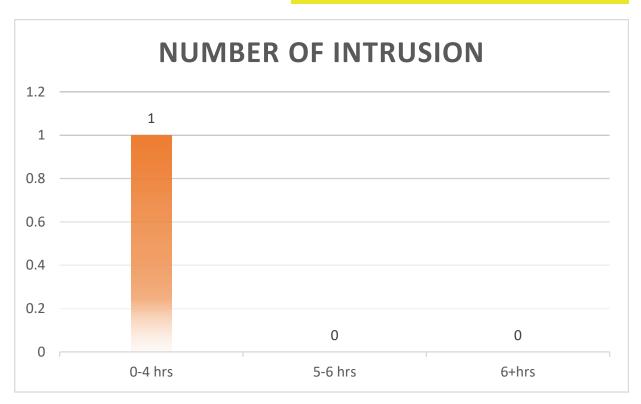
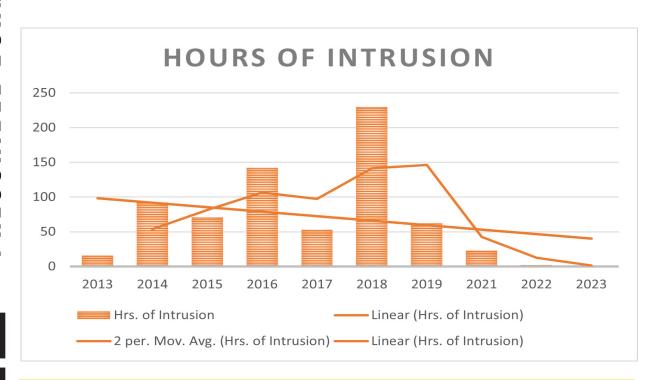


Figure 2b

Accumulated Hours of Intrusions 2023







# Figure 3

# Intrusion Summary, 2023

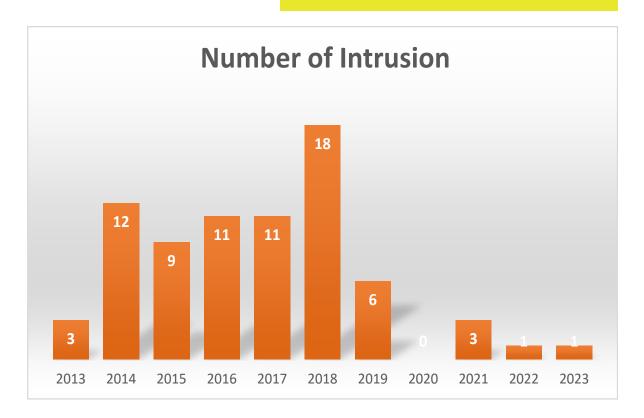


Table 2
Smoke Intrusion Summary 2023

DATE	DISTRICT /FOREST	PRIMARY AREA AF- FECTED	UNIT NO.	OWNER CLASS	MAX HOURLY/ MAX 24 HR.	LENGTH
5/18/23	DE- SCHUTES NF	RED- Mond	20S, 10E, SEC 22	USFS	70.3/13.4	1*

<sup>\* 24</sup> HOUR INTRUSION





## Figure 4A

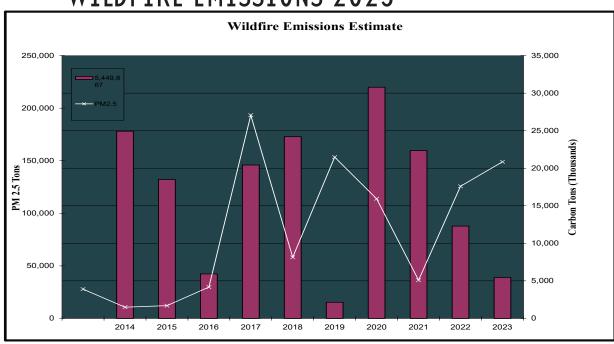
## PRESCRIBED BURNING EMISSIONS ESTIMATE

# STATISTICS

### Prescribed Burning Emissions Estimate Thousands of Kilo Tons (PM2.5) PM 2.5, 2023 2013 2012 2014 2015 2020 2021 2022 2023 2016 2017 2018 2019 Pile Underburn Broadcast

# Figure 4B

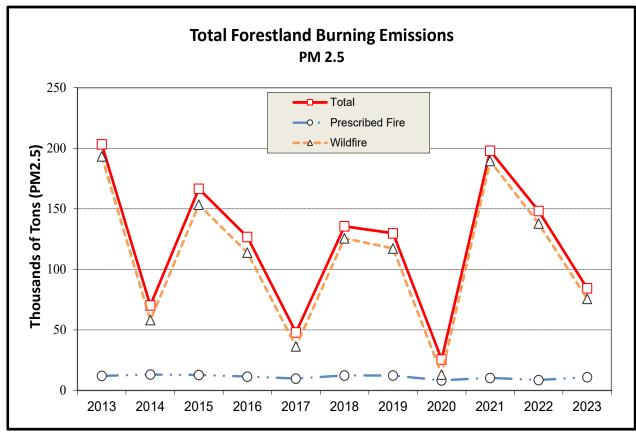
# WILDFIRE EMISSIONS 2023



## Figure 5

# Total Forestland Burning Emissions, PM2.5

# STATISTICS















# PM 2.5 Emissions (Tons) Broadcast

# STATISTICS

# FSCRIBED BIRNING

District Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Astoria	0	0	0	4	0	0	0	0	0	0	0	0
BLM Central Oregon	0	0	0	0	0	0	0	0	0	1	0	0
BLM Klamath Falls Lakeview	0	0	0	0	0	0	0	0	32	0	0	0
Central Oregon	0	3	13	17	8	0	0	0	18	0	0	0
Coos	0	0	0	0	0	0	0	0	0	0	2	3
Coos FPA	233	497	375	431	86	131	191	115	40	32	57	43
Deschutes NF	0	4	0	12	13	0	0	59	0	41	9	19
Douglas FPA	10	86	53	237	75	27	20	19	60	0	5	0
Forest Grove	5	17	0	6	9	0	0	15	6	0	0	0
Fremont NF	0	0	0	0	133	59	75	179	0	0	0	0
Malheur NF	357	0	424	0	1	0	0	0	29	39	0	31
Northeast	69	0	0	0	68	24	0	0	0	0	0	0
Ochoco NF	3	17	8	0	8	0	0	2	2	163	0	0
Rogue-Siskiyou NF	3	65	14	22	0	11	0	0	0	0	0	9
Siuslaw NF	0	0	0	0	0	0	0	0	0	0	0	0
South Cascade	1	0	0	0	1	0	0	0	3	8	0	4
Southwest	0	2	3	8	3	9	0	0	3	9	1	3
Tillamook	0	6	4	3	7	0	22	0	0	0	2	64
Umatilla NF	0	0	44	53	85	0	0	0	0	0	3	0
Umpqua NF	12	0	0	17	0	8	0	0	0	4	0	26
Wallowa-Whitman NF	19	236	89	82	308	40	92	18	38	14	0	12
West Oregon	59	101	29	76	17	49	50	12	2	8	25	6
Western Lane	49	136	34	98	56	129	156	208	62	123	69	20
Willamette NF	2	13	9	98	0	1	10	0	0	0	0	0
Winema NF	15	30	0	0	1	0	0	0	0	0	0	0
Total	837	1,212	1,097	1,163	881	489	616	626	294	441	174	241





# PM 2.5 Emissions (tons) piles

# STATISTICS

# CRIBED BURNING

Astoria	District Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
BLM Central Oregon 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Astoria	478	456	326	377	446	559	654	524	623	436	234	231
Bunk Klamath Falls Lakeview   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BLM Burns, Baker	0	0	0	0	0	0	0	0	55	5	17	89
Central Oregon         16a3         12a3         305         247         27e         4a         7g         10a         10g         0           Columbia Gorge         0 </td <td>BLM Central Oregon</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>14</td> <td>0</td> <td>31</td> <td>9</td> <td>91</td>	BLM Central Oregon	0	0	0	0	0	0	0	14	0	31	9	91
Columbia Gorge         0	BLM Klamath Falls Lakeview	0	0	0	0	0	0	0	0	0	0	21	81
Coose FPA         861         1.076         1.266         1.258         1.128         1.128         1.212         1.289         1.323         1.128         1.228         <	Central Oregon	163	128	305	247	276	48	72	103	197	76	37	25
Coos FPA         861         1,076         1,268         1,253         1,128         1,229         1,239         1,139         1,636         1,631         1,79           Crater Lake N.P.         0         1         0         3         2         0         0         1         0         4         1         17           Deschutes NF         144         159         208         306         159         249         383         348         58         150         903         954           Douglas FPA         488         817         1,234         1,180         946         1,00         1,281         368         567         433         450         10           Forest Grove         304         517         351         307         196         11         318         567         433         450         10         10         31         5         1         0	Columbia Gorge	0	0	0	0	0	0	0	0	0	0	0	0
Crater Lake N.P.         0         1         0         3         2         0         0         1         0         4         1         17         2         1	Coos	0	2	1	3	4	1	5	0	0	7	9	5
Deschutes NF         144         159         208         306         159         249         383         348         58         155         60         217           Douglas FPA         488         817         1,234         1,180         946         1,067         1,281         228         674         887         903         954           Forest Grove         304         517         351         307         196         311         318         458         667         433         450         107           Fremont NF         111         45         73         83         117         3         2         195         118         104         104         203           Klamath NF         2         6         10         10         313         59         93         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145           Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25	Coos FPA	861	1,076	1,266	1,253	1,128	1,122	1,289	1,323	1,191	1,636	1,943	1,699
Douglas FPA         488         817         1,234         1,180         946         1,067         1,281         728         674         887         903         954           Forest Grove         304         517         351         307         196         311         458         567         433         450         107           Fremont NF         11         45         73         83         117         3         2         195         118         104         104         203           Klamath NF         2         6         10         10         13         59         30         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145         416         145         40         30         324         89         153         480         198         168         145         416         416         416         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40	Crater Lake N.P.	0	1	0	3	2	0	0	1	0	4	1	17
Forest Grove         304         517         351         307         196         311         318         458         567         433         450         102           Fremont NF         11         45         73         83         117         3         2         195         118         104         104         203           Klamath NF         2         6         10         10         13         5         1         0         0         0         0         8           Klamath Lake         42         75         410         871         338         59         93         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         168	Deschutes NF	144	159	208	306	159	249	383	348	58	155	60	217
Fremont NF         11         45         73         83         117         3         2         195         118         104         104         203           Klamath NF         2         6         10         10         13         5         1         0         0         0         0         8           Klamath Lake         42         75         410         871         338         59         93         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145           Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25         46           Northeast         300         1,231         829         438         953         823         815         477         402         574         336         355           Ochoco NF         105         78         0         21         12         3         0         0         0         0         0         0         0 <t< td=""><td>Douglas FPA</td><td>488</td><td>817</td><td>1,234</td><td>1,180</td><td>946</td><td>1,067</td><td>1,281</td><td>728</td><td>674</td><td>887</td><td>903</td><td>954</td></t<>	Douglas FPA	488	817	1,234	1,180	946	1,067	1,281	728	674	887	903	954
Klamath NF         2         6         10         10         13         5         1         0         0         0         0         2         4           Klamath-Lake         42         75         410         871         338         59         93         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145           Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25         46           North Cascade         278         421         314         408         331         196         687         487         70         952         577         615           Northeast         300         1,231         829         438         953         823         815         477         402         574         336         352           Ochoco NF         105         78         21         21         21         21         21         82         22         28         94	Forest Grove	304	517	351	307	196	311	318	458	567	433	450	107
Klamath-Lake         42         75         410         871         338         59         93         52         77         16         24         24           Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145           Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25         46           North Cascade         278         421         314         408         331         196         687         487         170         952         577         615           Northeast         300         1,231         829         438         953         823         815         477         402         574         336         355           Ochoco NF         105         78         0         21         12         3         0         0         37         95         151         61           Oregon Caves NM         0         0         0         0         0         0         0         0         0         0         9         9 <td< td=""><td>Fremont NF</td><td>11</td><td>45</td><td>73</td><td>83</td><td>117</td><td>3</td><td>2</td><td>195</td><td>118</td><td>104</td><td>104</td><td>203</td></td<>	Fremont NF	11	45	73	83	117	3	2	195	118	104	104	203
Malheur NF         97         239         309         408         603         324         89         153         480         198         168         145           Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25         46           North Cascade         278         421         314         408         331         196         687         487         170         952         577         615           Northeast         300         1,231         829         438         953         823         815         477         402         574         336         355           Ochoco NF         105         78         0         21         12         3         0         0         0         37         95         151         61           Oregon Caves NM         0	Klamath NF	2	6	10	10	13	5	1	0	0	0	0	8
Mt. Hood NF         21         37         74         51         25         49         18         48         23         21         25         46           North Cascade         278         421         314         408         331         196         687         487         170         952         577         615           Northeast         300         1,231         829         438         953         823         815         477         402         574         336         355           Ochoco NF         105         78         0         21         12         3         0         0         37         95         151         61           Oregon Caves NM         0         0         0         0         0         1         0 <td< td=""><td>Klamath-Lake</td><td>42</td><td>75</td><td>410</td><td>871</td><td>338</td><td>59</td><td>93</td><td>52</td><td>77</td><td>16</td><td>24</td><td>24</td></td<>	Klamath-Lake	42	75	410	871	338	59	93	52	77	16	24	24
North Cascade 278 421 314 408 331 196 687 487 170 952 577 615 Northeast 300 1,231 829 438 953 823 815 477 402 574 336 355 Chhoco NF 105 78 0 21 12 3 0 0 0 37 95 151 61 Oregon Caves NM 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0	Malheur NF	97	239	309	408	603	324	89	153	480	198	168	145
Northeast         300         1,231         829         438         953         823         815         477         402         574         336         355           Ochoco NF         105         78         0         21         12         3         0         0         37         95         151         61           Oregon Caves NM         0         0         0         0         0         0         1         0	Mt. Hood NF	21	37	74	51	25	49	18	48	23	21	25	46
Ochoco NF         105         78         0         21         12         3         0         0         37         95         151         61           Oregon Caves NM         0         0         0         0         0         0         0         1         0	North Cascade	278	421	314	408	331	196	687	487	170	952	577	615
Oregon Caves NM         0         0         0         0         0         0         0         1         0	Northeast	300	1,231	829	438	953	823	815	477	402	574	336	355
Rogue-Siskiyou NF 251 216 349 521 241 87 225 298 94 134 20 205 Siuslaw NF 23 20 33 22 23 4 2 26 0 0 0 0 9 South Cascade 720 802 778 881 678 594 780 648 659 650 546 725 Southwest 506 386 681 576 521 484 508 754 668 625 526 648 Tillamook 129 286 237 236 144 211 168 184 171 184 191 90 Umatilla NF 19 15 30 151 75 58 165 107 97 278 30 301 Umpqua NF 168 108 84 133 77 32 23 50 77 5 5 5 63 Walker Range 0 0 1 0 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ochoco NF	105	78	0	21	12	3	0	0	37	95	151	61
Siuslaw NF         23         20         33         22         23         4         2         26         0         0         0         9           South Cascade         720         802         778         881         678         594         780         648         659         650         546         725           Southwest         506         386         681         576         521         484         508         754         668         625         526         648           Tillamook         129         286         237         236         144         211         168         184         171         184         191         90           Umatilla NF         19         15         30         151         75         58         165         107         97         278         30         301           Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0         0         0         0         0         0         0         0	Oregon Caves NM	0	0	0	0	0	0	1	0	0	0	0	0
South Cascade         720         802         778         881         678         594         780         648         659         650         546         725           Southwest         506         386         681         576         521         484         508         754         668         625         526         648           Tillamook         129         286         237         236         144         211         168         184         171         184         191         90           Umatilla NF         19         15         30         151         75         58         165         107         97         278         30         301           Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0<	Rogue-Siskiyou NF	251	216	349	521	241	87	225	298	94	134	20	205
Southwest         506         386         681         576         521         484         508         754         668         625         526         648           Tillamook         129         286         237         236         144         211         168         184         171         184         191         90           Umatilla NF         19         15         30         151         75         58         165         107         97         278         30         301           Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0	Siuslaw NF	23	20	33	22	23	4	2	26	0	0	0	9
Tillamook         129         286         237         236         144         211         168         184         171         184         191         90           Umatilla NF         19         15         30         151         75         58         165         107         97         278         30         301           Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0	South Cascade	720	802	778	881	678	594	780	648	659	650	546	725
Umatilla NF         19         15         30         151         75         58         165         107         97         278         30         301           Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0	Southwest	506	386	681	576	521	484	508	754	668	625	526	648
Umpqua NF         168         108         84         133         77         32         23         50         77         5         5         63           Walker Range         0         0         1         0         27         0	Tillamook	129	286	237	236	144	211	168	184	171	184	191	90
Walker Range         0         0         1         0         27         0         <	Umatilla NF	19	15	30	151	75	58	165	107	97	278	30	301
Wallowa-Whitman NF       340       306       244       165       389       266       227       396       419       581       546       623         West Oregon       865       925       1,231       1,250       918       1,012       1,184       904       1,046       801       1,038       624         Western Lane       115       317       196       208       110       474       561       393       307       202       449       341         Willamette NF       122       140       108       282       253       127       113       307       6       1       0       52	Umpqua NF	168	108	84	133	77	32	23	50	77	5	5	63
West Oregon       865       925       1,231       1,250       918       1,012       1,184       904       1,046       801       1,038       624         Western Lane       115       317       196       208       110       474       561       393       307       202       449       341         Willamette NF       122       140       108       282       253       127       113       307       6       1       0       52	Walker Range	0	0	1	0	27	0	0	0	0	0	0	0
Western Lane       115       317       196       208       110       474       561       393       307       202       449       341         Willamette NF       122       140       108       282       253       127       113       307       6       1       0       52	Wallowa-Whitman NF	340	306	244	165	389	266	227	396	419	581	546	623
Willamette NF 122 140 108 282 253 127 113 307 6 1 0 52	West Oregon	865	925	1,231	1,250	918	1,012	1,184	904	1,046	801	1,038	624
	Western Lane	115	317	196	208	110	474	561	393	307	202	449	341
Winema NF 38 45 91 116 71 59 76 3 6 54 0 646	Willamette NF	122	140	108	282	253	127	113	307	6	1	0	52
	Winema NF	38	45	91	116	71	59	76	3	6	54	0	646



Total 6,589 8,851 9,771 10,509 9,076 8,228 9,739 8,979 8,222 9,147 8,421 9,300



# SIICS

# ESCRIBED BURNING

# PM 2.5 Emissions (tons) underburn

District Name	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Central Oregon	2	1	10	0	0	0	0	0	0	0	0	0
Coos FPA	0	0	0	0	0	1	0	0	0	0	0	0
Deschutes NF	24	105	292	204	129	225	307	496	23	485	248	297
Fremont NF	3	147	209	680	312	233	389	193	7	374	70	106
Klamath-Lake	0	0	0	0	35	19	50	15	0	6	0	0
Malheur NF	32	607	533	11	481	270	549	182	92	131	0	15
Mt. Hood NF	14	43	8	1	20	0	0	0	0	7	0	23
Ochoco NF	0	78	79	103	67	99	123	160	82	81	0	21
Rogue-Siskiyou NF	5	12	50	61	88	48	23	83	5	58	0	46
Siuslaw NF	0	0	0	0	0	0	0	0	0	0	0	0
Southwest	21	29	6	22	21	2	11	23	0	17	3	14
Umatilla NF	11	351	411	297	1	0	108	179	0	0	0	23
Umpqua NF	8	58	140	10	72	28	57	2	0	32	0	3
Wallowa-Whitman NF	207	267	495	162	475	67	306	193	36	166	0	73
Willamette NF	32	28	164	81	92	97	108	20	0	81	0	35
Winema NF	1	31	178	62	34	78	179	1,259	0	60	0	240
Total	360	1,757	2,575	1,694	1,826	1,167	2,210	2,806	246	1,498	322	896







# Figure 6

# Historical Accomplishment Statewide



Figure 7
Historical Accomplishment Statewide





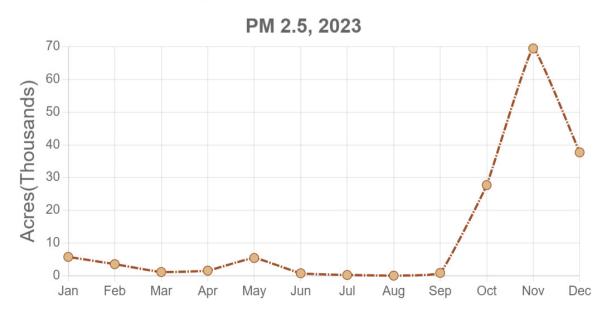




## Figure 8

# Monthly Prescribed Burn Acres Burned

Monthly Prescribed Burn Acres Burned



## Figure 9

# Piled vs Broadcast vs Underburn Acres Burned

Piled vs Broadcast vs Underburn Acres Burned







# Accomplished by District Summary

# STATISTICS

# SCRIBED BIRKING

District Name	Tons Burned	Acres Burned	Units Burned
Astoria	20305	2207	32
BLM Burns, Baker	9544	1093	3
BLM Central Oregon	8172	1323	1
BLM Klamath Falls Lakeview	9260	2009	1
Central Oregon	4412	753	14
Columbia Gorge	0	0	0
Coos	1095	624	7
Coos FPA	177954	12793	79
Crater Lake N.P.	2033	191	0
Deschutes NF	42783	18232	94
Douglas FPA	98903	14851	40
Forest Grove	10023	1395	21
Fremont NF	33724	4140	5
Klamath NF	809	182	1
Klamath-Lake	2820	564	1
Malheur NF	21642	3639	6
Mt. Hood NF	6829	1056	32
North Cascade	55036	11750	115
Northeast	41551	4409	56
Ochoco NF	8712	4846	0
Oregon Caves NM	0	0	0
Rogue-Siskiyou NF	28692	6755	129
Siuslaw NF	1077	2213	9
South Cascade	64064	11585	233
Southwest	73659	13357	206
Tillamook	15134	2442	38
Umatilla NF	40419	3890	32
Umpqua NF	9584	1683	64
Walker Range	0	0	0
Wallowa-Whitman NF	73479	4824	130
West Oregon	57653	6964	128
Western Lane	35096	5464	67
Willamette NF	8488	1895	27
Winema NF	94948	7688	9
All Districts Total	1057900	154817	1580





# Tons Burned by Month by District

# STATISTICS

# GRIBED BURNING

District Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Astoria	0	1410	0	0	0	0	0	0	0	1760	17135	0	20305
BLM Burns, Baker	0	0	0	0	0	0	0	0	0	0	1070	8474	9544
BLM Central Oregon	2940	0	0	0	0	0	0	0	0	3620	1612	0	8172
BLM Klamath Falls Lakeview	0	0	0	0	600	0	0	0	0	0	160	8500	9260
Central Oregon	144	0	0	0	0	0	0	0	0	0	4268	0	4412
Coos	0	0	0	0	0	0	500	0	0	0	569	26	1095
Coos FPA	2552	4308	0	75	1656	0	0	0	0	16351	124445	28567	177954
Crater Lake N.P.	0	0	0	0	267	0	0	0	14	147	1605	0	2033
Deschutes NF	268	0	0	1737	9372	2610	0	0	0	9530	11448	7818	42783
Douglas FPA	3524	854	0	0	0	0	0	0	0	1706	55873	36946	98903
Forest Grove	902	617	83	15	0	0	0	0	0	3949	3561	896	10023
Fremont NF	0	1421	0	251	0	0	0	0	0	10733	5897	15422	33724
Klamath NF	400	0	0	0	0	0	0	0	0	0	409	0	809
Klamath-Lake	0	0	0	0	0	0	0	0	0	0	2820	0	2820
Malheur NF	0	0	0	0	0	8	0	0	0	6431	14422	781	21642
Mt. Hood NF	180	30	0	0	200	840	0	0	6	1701	3455	417	6829
North Cascade	4098	3728	175	1452	0	0	0	0	0	11631	27001	6951	55036
Northeast	0	0	0	0	0	0	0	0	0	4779	36495	277	41551
Ochoco NF	0	0	0	0	0	0	0	0	0	8112	600	0	8712
Rogue-Siskiyou NF	0	2489	0	1722	3908	0	0	0	0	2970	13422	4181	28692
Siuslaw NF	0	0	0	0	18	0	0	0	0	1059	0	0	1077
South Cascade	4485	308	216	9	372	0	0	0	0	6963	31423	20288	64064
Southwest	10901	4357	1495	680	1318	0	0	0	0	1060	26526	27327	73664
Tillamook	0	0	0	0	0	0	0	0	250	9598	5286	0	15134
Umatilla NF	222	0	0	0	0	0	0	0	2436	8781	28980	0	40419
Umpqua NF	130	26	43	1288	2394	0	0	0	260	663	1559	3221	9584
Wallowa-Whitman NF	0	0	0	0	2964	0	0	0	3256	38719	22120	6420	73479
West Oregon	476	460	100	20	0	0	0	0	0	16062	34582	5953	57653
Western Lane	1659	100	64	30	0	0	0	0	0	1783	26661	4839	35136
Willamette NF	0	0	12	0	3217	0	0	0	0	3170	2089	0	8488
Winema NF	0	3	0	0	3701	0	0	0	0	18485	11036	61723	94948

Total Tons Burned 32881 20111 2188 7279 29987 3458 500 0 6222 189763 516529 249027 1057945



# Acres Burned by Month by District

# STATISTICS

# RIBED BURNING

Astoria         0         128         0	District Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
BLM Central Oregon	Astoria	0	128	0	0	0	0	0	0	0	657	1422	0	2207
BLM Klamath Falls Lakeview	BLM Burns, Baker	0	0	0	0	0	0	0	0	0	0	107	986	1093
Central Oregon         41         0	BLM Central Oregon	420	0	0	0	0	0	0	0	0	500	403	0	1323
Coos         0         0         0         0         0         20         20         0         0         384         40         624           Coos FPA         180         322         0         15         72         0         0         0         1357         7960         2879         12793           Crater Lake N.P.         0         0         0         737         2607         589         0         0         221         135         0         191           Deschutes NF         370         0         0         737         2607         589         0         0         221         135         0         1485           Douglas FPA         581         100         0         0         0         0         0         40         421         8759         5199         14851           Forest Grove         133         145         3         17         0         0         0         0         0         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40         40	BLM Klamath Falls Lakeview	0	0	0	0	259	0	0	0	0	0	50	1700	2009
Coos FPA         180         322         0         15         72         0         0         0         135         7988         2879         1279           Crater Lake N.P.         0         0         0         0         33         0         0         2         21         135         0         191           Deschutes NF         370         0         0         737         2607         589         0         0         2811         4488         6630         18232           Douglas FPA         581         100         0         0         0         0         0         212         8759         5199         14851           Forest Grove         133         145         3         1         0         0         0         0         434         508         171         1395           Fremont NF         0         0         0         0         0         0         0         0         0         0         135         114         1616         4140           Klamath NF         27         0         0         0         0         0         0         0         0         0         0         0         0 <td>Central Oregon</td> <td>41</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>712</td> <td>0</td> <td>753</td>	Central Oregon	41	0	0	0	0	0	0	0	0	0	712	0	753
Crater Lake N.P.         0         0         0         0         33         0         0         2         21         135         0         1323           Deschutes NF         370         0         0         737         2607         589         0         0         2811         4488         6630         18232           Douglas FPA         581         100         0         0         0         0         0         212         8759         5199         14851           Forest Grove         133         145         3         1         0         0         0         0         434         508         171         1395           Fremont NF         0         203         0         175         0         0         0         0         1032         1114         1616         4140           Klamath-Lake         0         0         0         0         0         0         0         0         0         0         0         564         0         669         446         133         40         0         0         0         0         0         0         0         0         0         0         0         0	Coos	0	0	0	0	0	0	200	0	0	0	384	40	624
Deschutes NF   370   0   0   737   2607   589   0   0   0   2811   4488   6630   18232     Douglas FPA   581   100   0   0   0   0   0   0   0   0	Coos FPA	180	322	0	15	72	0	0	0	0	1357	7968	2879	12793
Douglas FPA         581         100         0         0         0         0         0         0         2         2         8759         5199         14851           Forest Grove         133         145         3         1         0         0         0         0         434         508         171         1395           Fremont NF         0         203         0         175         0         0         0         0         0         1032         1114         1616         4140           Klamath NF         27         0<	Crater Lake N.P.	0	0	0	0	33	0	0	0	2	21	135	0	191
Forest Grove 133 145 3 1 0 0 0 0 0 0 434 508 171 1395 Fremont NF 0 27 0 0 0 0 0 0 0 0 0 0 0 0 0 1032 1114 1616 14140 Klamath NF 27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 155 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 Klamath-Lake 0 0 0 0 0 0 0 0 0 0 0 0 0 156 0 182 183 184 184 185 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Deschutes NF	370	0	0	737	2607	589	0	0	0	2811	4488	6630	18232
Fremont NF	Douglas FPA	581	100	0	0	0	0	0	0	0	212	8759	5199	14851
Klamath NF         27         0         0         0         0         0         0         0         0         0         0         155         0         182           Klamath-Lake         0         0         0         0         0         0         0         0         564         0         564           Malheur NF         0         0         0         0         0         0         0         1156         2134         348         3639           Mt. Hood NF         28         10         0         0         40         140         0         0         125         465         122         1056           North Cascade         699         344         13         40         0         0         0         437         3787         185         4409           Ochoco NF         0         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         663         3504         1161         6755         5         0         0         0	Forest Grove	133	145	3	1	0	0	0	0	0	434	508	171	1395
Klamath-Lake         0         0         0         0         0         0         0         0         564         0         564         0         564         0         564         0         564         0         564         0         564         0         564         0         564         0         564         0         564         0         564         3         28         3639           Mt. Hood NF         28         10         0         0         0         140         140         0         0         1250         465         122         1056           North Cascade         699         344         13         40         0         0         0         0         777         8892         1035         11750           Northeast         0         0         0         0         0         0         0         0         0         0         409         0         0         0         0         0         0         0         0         0         0         4846           Rogue-Siskiyou NF         0         0         0         0         0         0         0         0         0         0 <td< td=""><td>Fremont NF</td><td>0</td><td>203</td><td>0</td><td>175</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1032</td><td>1114</td><td>1616</td><td>4140</td></td<>	Fremont NF	0	203	0	175	0	0	0	0	0	1032	1114	1616	4140
Malheur NF         0         0         0         0         0         1         0         0         1156         2134         348         3639           Mt. Hood NF         28         10         0         40         440         140         0         0         1         250         465         122         1056           North Cascade         699         344         13         40         0         0         0         0         727         8892         1035         11750           Northeast         0         0         0         0         0         0         0         0         437         3787         185         4409           Ochoco NF         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         3         0         0         0         1328         5382         4011         11585           South Cascade<	Klamath NF	27	0	0	0	0	0	0	0	0	0	155	0	182
Mt. Hood NF         28         10         0         40         140         0         1         250         465         122         1056           North Cascade         699         344         13         40         0         0         0         0         727         8892         1035         11750           Northeast         0         0         0         0         0         0         0         0         0         437         3787         185         4409           Ochoco NF         0         0         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         0         0         0         0         0         0         2210         0         0         2213           South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011 <th< td=""><td>Klamath-Lake</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>564</td><td>0</td><td>564</td></th<>	Klamath-Lake	0	0	0	0	0	0	0	0	0	0	564	0	564
North Cascade         699         344         13         40         0         0         0         727         8892         1035         11750           Northeast         0         0         0         0         0         0         0         0         0         0         437         3787         185         4409           Ochoco NF         0         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         0         3         0         0         0         0         2213         0         0         2210         0         0         2213         0         0         0         0         0         2213         0 <td>Malheur NF</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>1156</td> <td>2134</td> <td>348</td> <td>3639</td>	Malheur NF	0	0	0	0	0	1	0	0	0	1156	2134	348	3639
Northeast         0         0         0         0         0         0         0         0         437         3787         185         4409           Ochoco NF         0         0         0         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         0         0         0         0         0         0         0         2210         0         0         2213           South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011         11585           Southwest         1611         1637         1032         229         347         0	Mt. Hood NF	28	10	0	0	40	140	0	0	1	250	465	122	1056
Ochoco NF         0         0         0         0         0         0         0         0         3503         1343         0         4846           Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         0         0         0         0         0         2210         0         0         2213           South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011         11585           South West         1611         1637         1032         229         347         0         0         0         176         3784         4542         13358           Tillamook         0         0         0         0         0         0         0         4406         1405         2062         0         3890           Umatilla NF         17         0         0         0         0         0         0         4406         1405         2062         0         3890	North Cascade	699	344	13	40	0	0	0	0	0	727	8892	1035	11750
Rogue-Siskiyou NF         0         473         0         249         818         0         0         0         663         3504         1048         6755           Siuslaw NF         0         0         0         0         0         0         0         0         0         2213           South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011         11585           South West         1611         1637         1032         229         347         0         0         0         176         3784         4542         13358           Tillamook         0         0         0         0         0         0         0         43         1209         1190         0         2442           Umatilla NF         17         0         0         0         0         0         0         406         1405         2062         0         3890           Umpqua NF         2         23         8         72         57         0         0         48         193         671         609         1683           West Oregon         8	Northeast	0	0	0	0	0	0	0	0	0	437	3787	185	4409
Siuslaw NF         0         0         0         0         3         0         0         0         2210         0         0         2213           South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011         11585           Southwest         1611         1637         1032         229         347         0         0         0         176         3784         4542         13358           Tillamook         0         0         0         0         0         0         0         0         43         1209         1190         0         2442           Umatilla NF         17         0         0         0         0         0         0         406         1405         2062         0         3890           Umpqua NF         2         23         8         72         57         0         0         48         193         671         609         1683           Wallowa-Whitman NF         0         0         0         348         0         0         0         337         2989         722         428         4824	Ochoco NF	0	0	0	0	0	0	0	0	0	3503	1343	0	4846
South Cascade         766         63         24         2         9         0         0         0         1328         5382         4011         11585           Southwest         1611         1637         1032         229         347         0         0         0         176         3784         4542         13358           Tillamook         0         0         0         0         0         0         0         43         1209         1190         0         2442           Umatilla NF         17         0         0         0         0         0         0         406         1405         2062         0         3890           Umpqua NF         2         23         8         72         57         0         0         48         193         671         609         1683           Wallowa-Whitman NF         0         0         0         348         0         0         0         337         2989         722         428         4824           West Oregon         82         48         20         3         0         0         0         0         111         3813         746         5468      <	Rogue-Siskiyou NF	0	473	0	249	818	0	0	0	0	663	3504	1048	6755
Southwest         1611         1637         1032         229         347         0         0         0         176         3784         4542         13358           Tillamook         0         0         0         0         0         0         0         0         43         1209         1190         0         2442           Umatilla NF         17         0         0         0         0         0         0         406         1405         2062         0         3890           Umpqua NF         2         23         8         72         57         0         0         48         193         671         609         1683           Wallowa-Whitman NF         0         0         0         348         0         0         337         2989         722         428         4824           West Oregon         82         48         20         3         0         0         0         111         3813         746         5468           Western Lane         774         10         8         6         0         0         0         0         111         3813         746         5468           Willamet	Siuslaw NF	0	0	0	0	3	0	0	0	0	2210	0	0	2213
Tillamook       0       0       0       0       0       0       0       0       43       1209       1190       0       2442         Umatilla NF       17       0       0       0       0       0       0       406       1405       2062       0       3890         Umpqua NF       2       23       8       72       57       0       0       48       193       671       609       1683         Wallowa-Whitman NF       0       0       0       348       0       0       0       337       2989       722       428       4824         West Oregon       82       48       20       3       0       0       0       0       1207       4177       1427       6964         Western Lane       774       10       8       6       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       1083       596       0       1895	South Cascade	766	63	24	2	9	0	0	0	0	1328	5382	4011	11585
Umatilla NF       17       0       0       0       0       0       0       0       406       1405       2062       0       3890         Umpqua NF       2       23       8       72       57       0       0       0       48       193       671       609       1683         Wallowa-Whitman NF       0       0       0       348       0       0       0       337       2989       722       428       4824         West Oregon       82       48       20       3       0       0       0       0       1207       4177       1427       6964         Western Lane       774       10       8       6       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       0       1083       596       0       1895	Southwest	1611	1637	1032	229	347	0	0	0	0	176	3784	4542	13358
Umpqua NF       2       23       8       72       57       0       0       48       193       671       609       1683         Wallowa-Whitman NF       0       0       0       348       0       0       0       337       2989       722       428       4824         West Oregon       82       48       20       3       0       0       0       0       1207       4177       1427       6964         Western Lane       774       10       8       6       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       1083       596       0       1895	Tillamook	0	0	0	0	0	0	0	0	43	1209	1190	0	2442
Wallowa-Whitman NF       0       0       0       0       348       0       0       0       337       2989       722       428       4824         West Oregon       82       48       20       3       0       0       0       0       0       1207       4177       1427       6964         Western Lane       774       10       8       6       0       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       0       1083       596       0       1895	Umatilla NF	17	0	0	0	0	0	0	0	406	1405	2062	0	3890
West Oregon       82       48       20       3       0       0       0       0       0       1207       4177       1427       6964         Western Lane       774       10       8       6       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       1083       596       0       1895	Umpqua NF	2	23	8	72	57	0	0	0	48	193	671	609	1683
Western Lane       774       10       8       6       0       0       0       0       111       3813       746       5468         Willamette NF       0       0       1       0       215       0       0       0       1083       596       0       1895	Wallowa-Whitman NF	0	0	0	0	348	0	0	0	337	2989	722	428	4824
Willamette NF 0 0 1 0 215 0 0 0 1 1895	West Oregon	82	48	20	3	0	0	0	0	0	1207	4177	1427	6964
	Western Lane	774	10	8	6	0	0	0	0	0	111	3813	746	5468
Winema NF 0 15 0 0 593 0 0 0 2030 1251 3799 7688	Willamette NF	0	0	1	0	215	0	0	0	0	1083	596	0	1895
	Winema NF	0	15	0	0	593	0	0	0	0	2030	1251	3799	7688

Total Acres Burned 5731 3521 1109 1529 5401 730 200 0 837 27701 70542 37521 154822





**District Name** 

Astoria

Private

**Tons** 

Burned

# Burn Data by Owner Type

Units

Burned

Acres

**Burned** 

Total

**Tons** 

**Burned** 

# STATISTICS

### BLM Burns, Baker **BLM Central Oregon BLM Klamath Falls** Lakeview Coos Coos FPA Crater Lake N.P. Deschutes NF Douglas FPA Forest Grove Fremont NF Klamath NF Klamath-Lake Malheur NF Mt. Hood NF North Cascade Ochoco NF Rogue-Siskiyou NF Siuslaw NF South Cascade Southwest Tillamook Umatilla NF Umpqua NF Wallowa-Whitman NF West Oregon Western Lane Willamette NF Winema NF

State, County, Municipal

Burned

Units

Burned

Total

Tons

**Burned** 

Federal(Except USFS)

**Acres** 

Burned

**Burned** 

USFS

Acres

**Burned** 

**Burned** 

Total

Tons

**Burned** 



Total