



2020 Fire Season Update

Board of Forestry

Sept 9, 2020

Travis Medema, Eastern Oregon Area Director

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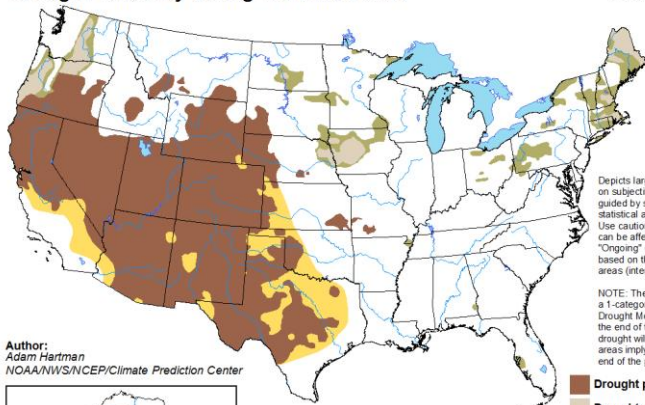
ShangriLa Lane Fire
4/21/2020, ODF-SWO District



Drought Outlook and Monitor

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for August 20 - November 30, 2020
Released August 20



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short-lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



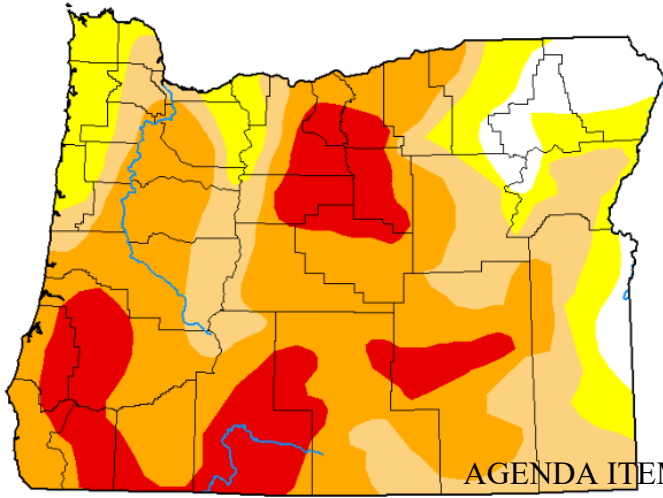
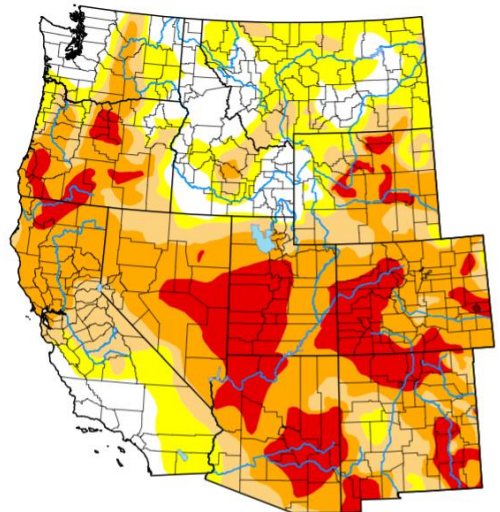
<http://go.usa.gov/3eZ73>

Author:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center



U.S. Drought Monitor Oregon

September 1, 2020
(Released Thursday, Sep. 3, 2020)
Valid 8 a.m. EDT



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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP

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droughtmonitor.unl.edu



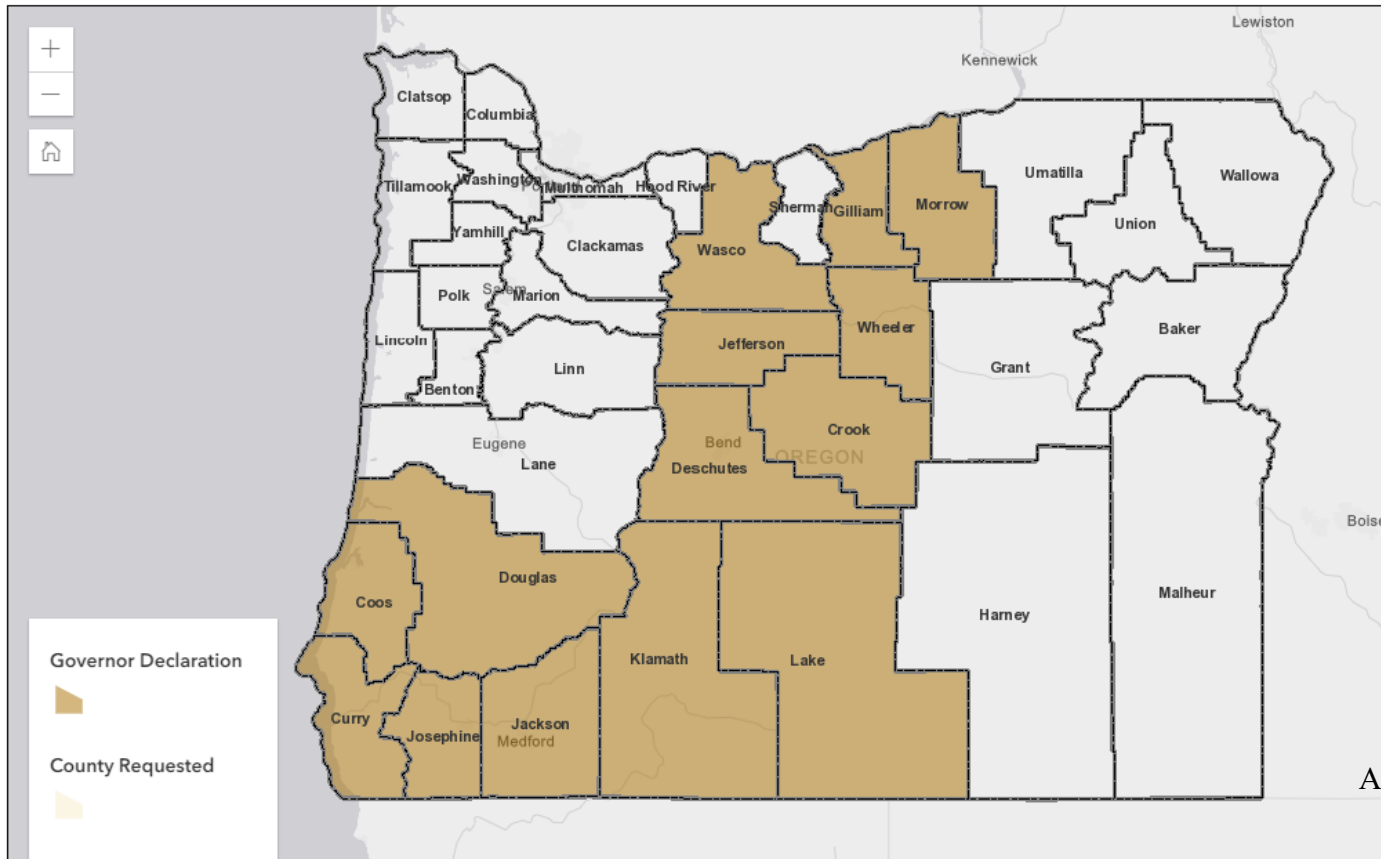
Oregon Counties in Drought



Oregon Water Resources Department
Drought Declaration Status Map

Drought Declaration Status Map

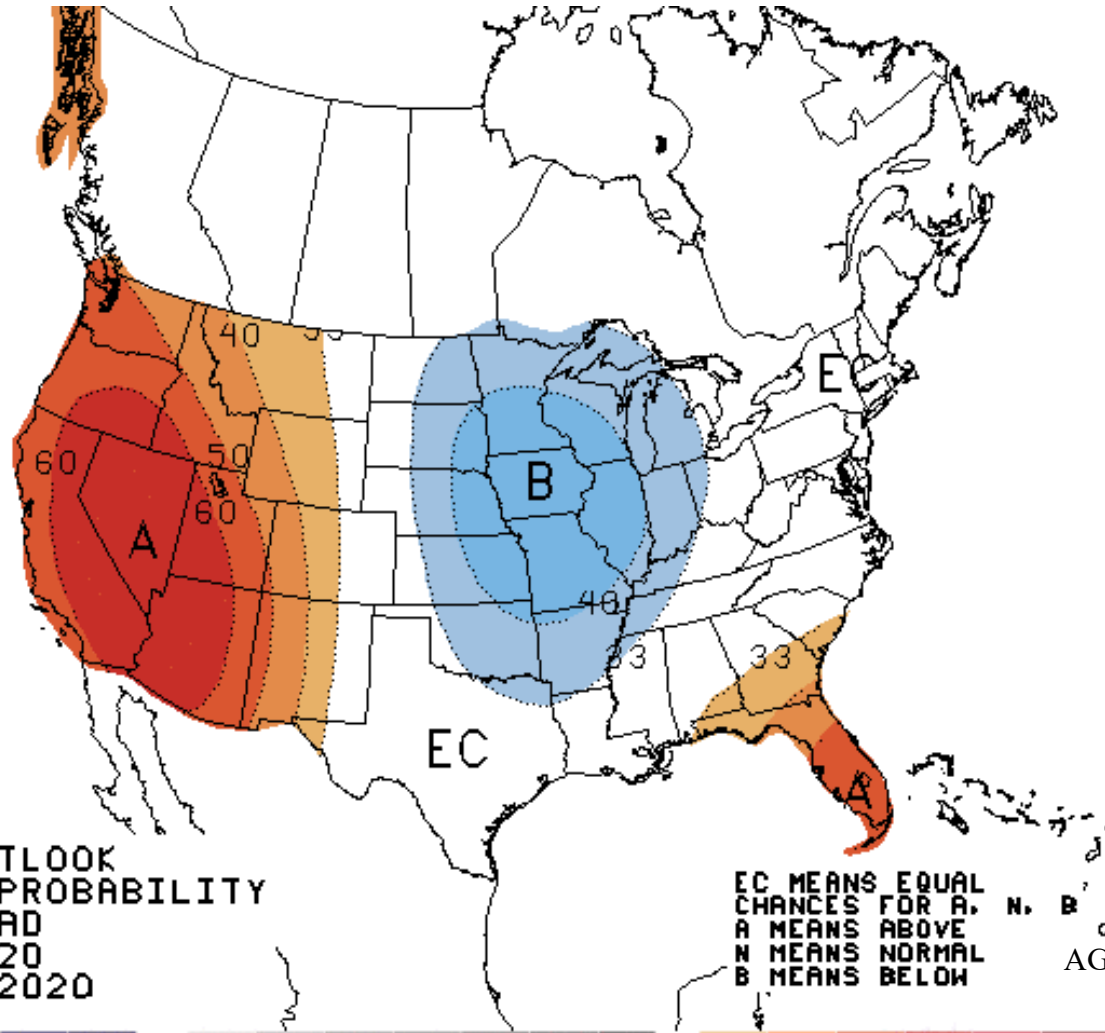
Select Year:





Temperature Outlook

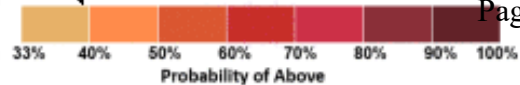
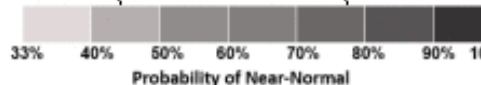
Sep 2020



ONE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 0.0 MONTH LEAD
 VALID SEP 2020
 MADE 31 AUG 2020

EC MEANS EQUAL CHANCES FOR A, N, B
 A MEANS ABOVE
 N MEANS NORMAL
 B MEANS BELOW

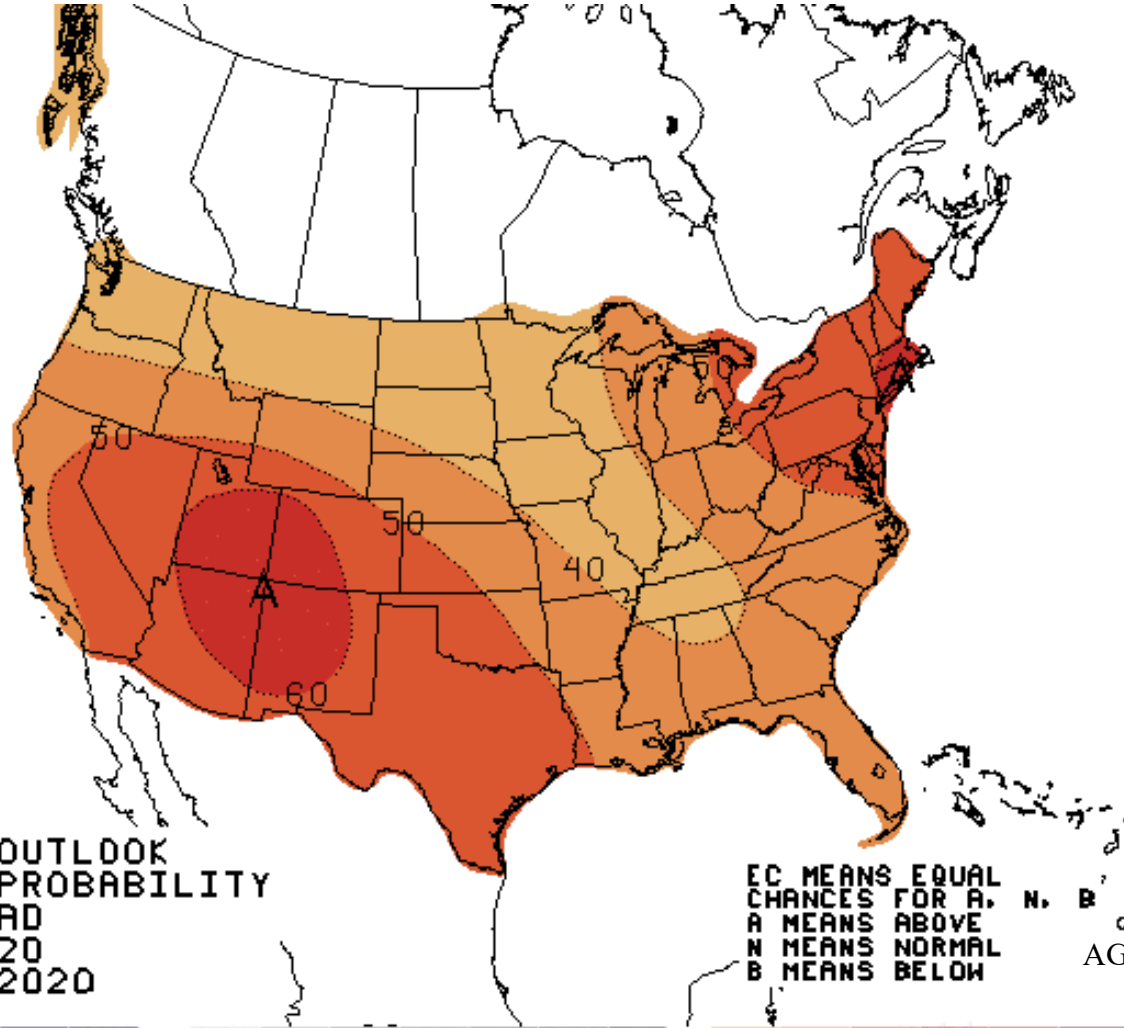
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Temperature Outlook

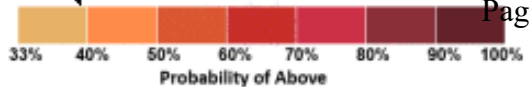
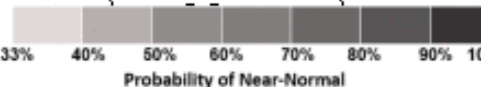
Sep, Oct, Nov 2020



THREE-MONTH OUTLOOK
 TEMPERATURE PROBABILITY
 0.5 MONTH LEAD
 VALID SON 2020
 MADE 20 AUG 2020

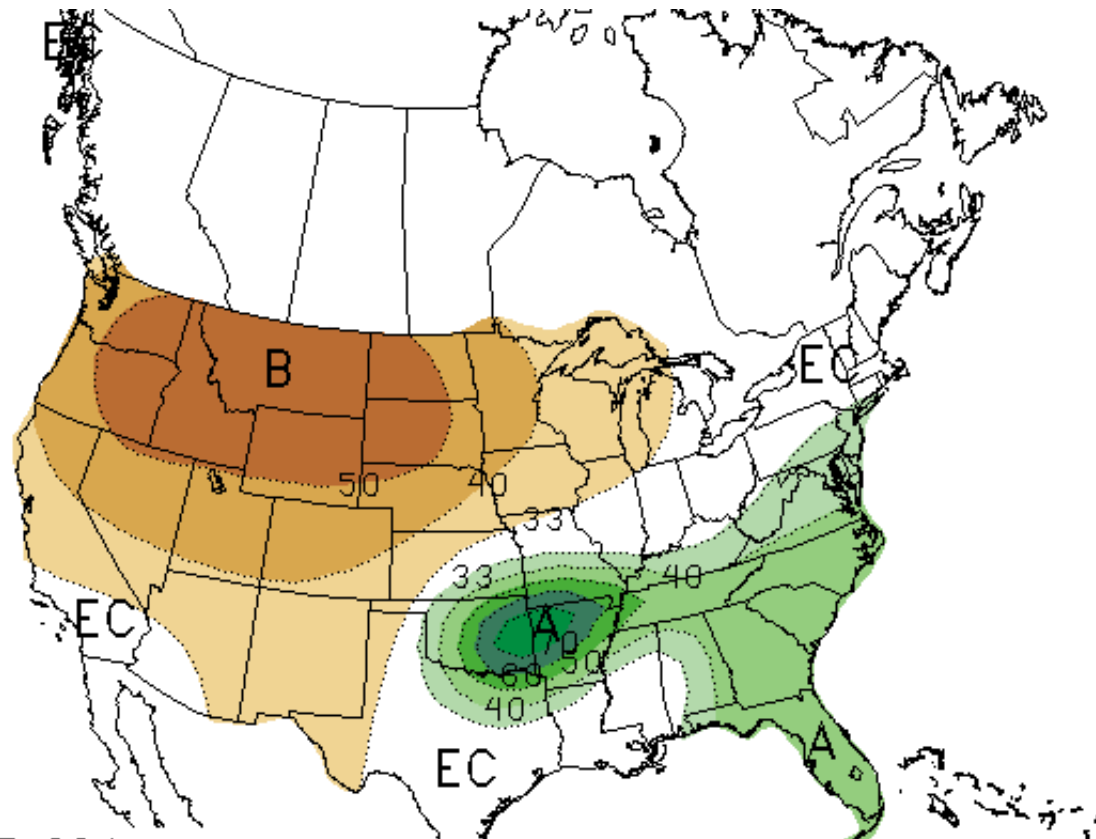
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Precipitation Outlook

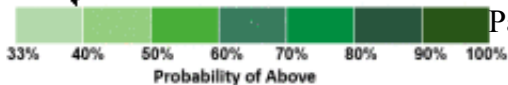
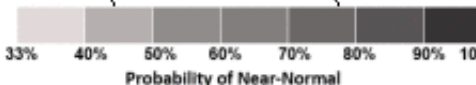
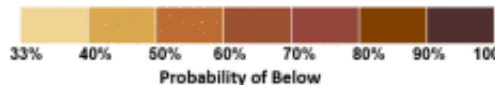
Sep 2020



ONE-MONTH OUTLOOK
 PRECIPITATION PROBABILITY
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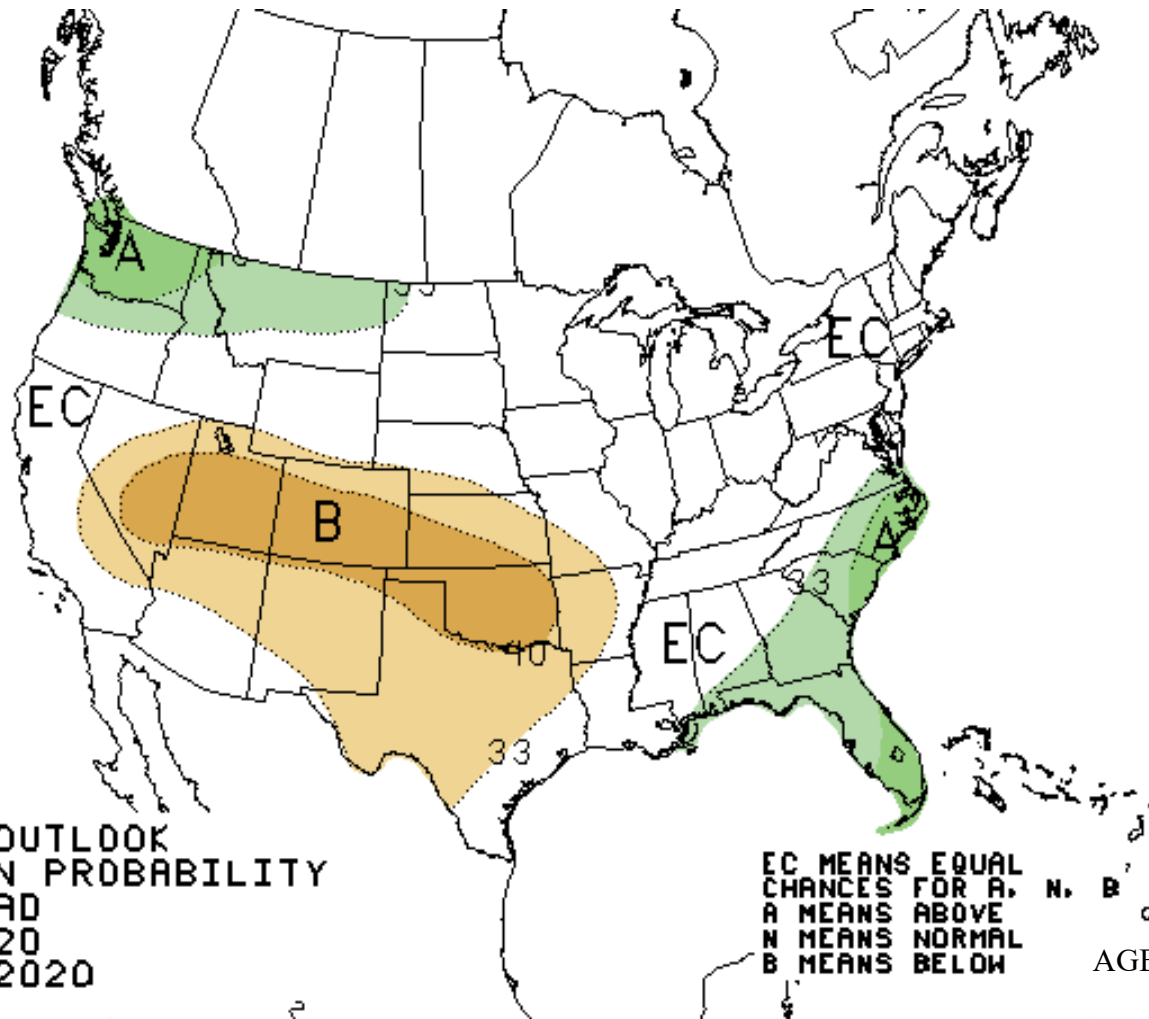


Precipitation Outlook

Sep, Oct, Nov 2020

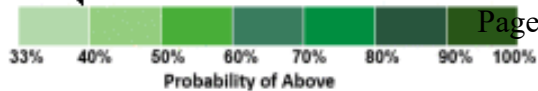
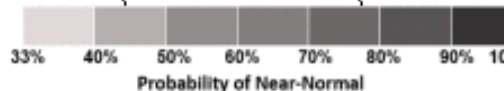
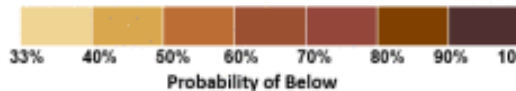


THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID SON 2020
MADE 20 AUG 2020



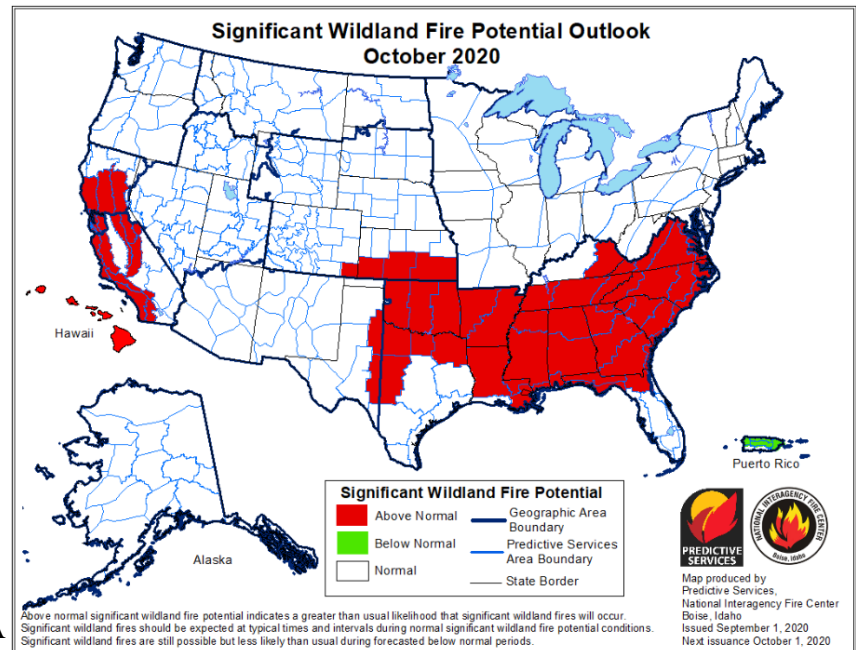
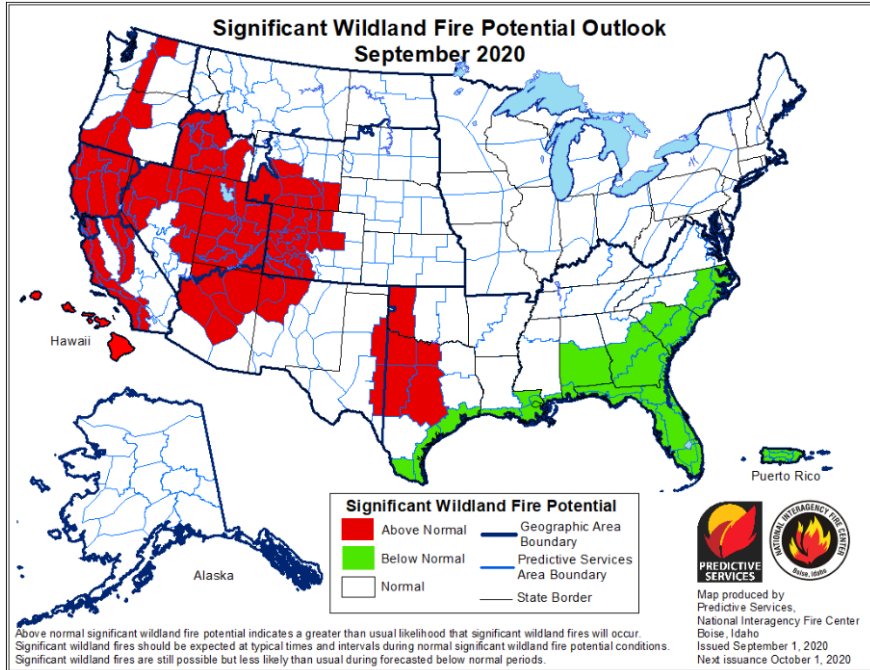
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Sep, Oct, Nov Wildfire Potential





Fire Statistics to date

Sept 7, 2020

95%

fires kept at
10 acres or less
to date in 2020



2020 vs 10 Year Average

- 11% more **human** fires
- 63% less **human** acres burned (~3 times less)
- 37% less **lightning** fires
- 57% less **lightning** acres burned (~2 times less)
- 4% less **total** fires
- 58% less **total** acres burned than our 10-yr average (~2 times less)

2020 Year To Date

	Fires	Acres
Lightning	152	13,201
Human	600	3,868
Total	752	17,069

10-Year Average (2010-2019 Year To Date)

Lightning	242	30,442
Human	541	10,488
Total	783	40,930

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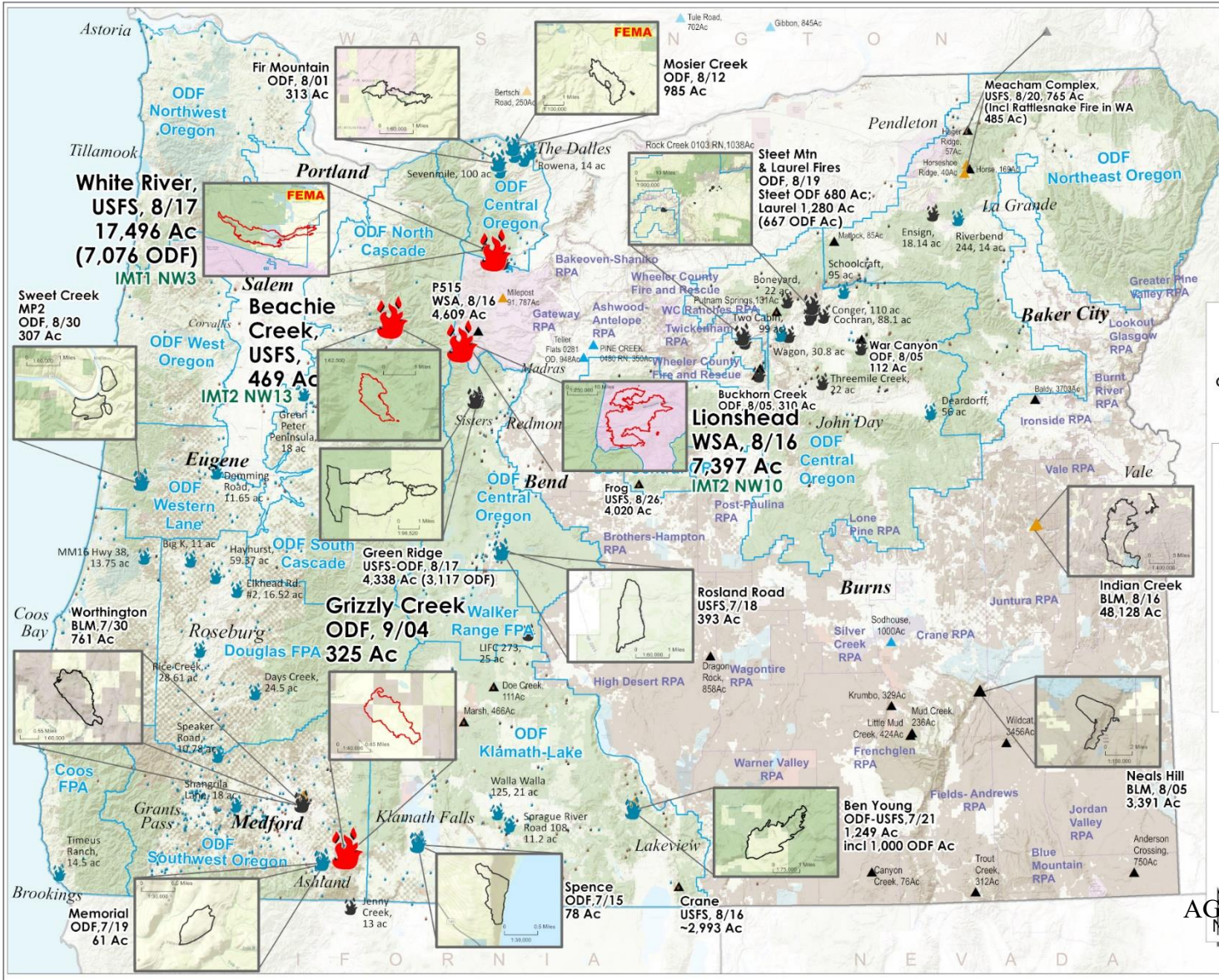
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Fire Briefing Map

Sept 7, 2020



2020 ODF Fires
ODF and Tracked Statewide Interagency Wildfires
09/07/2020

Large Active ODF and Interagency Fires

ODF Fires Year-To-Date
752 Fires
17,069 Protected Acres

Lightning Human Under Investigation ODF Nonstart

Other Statewide Fires - NWCC
 Northwest Interagency Coord Ctr

Lightning Human Under Invest/Unknown

FEMA - Federal Emergency Mgmt Agency Support CONFLAG - Oregon Governor's Conference Declaration

ODF Fire Districts Rangeland Protection Associations

Land Management

State Private BLM

USFS NPS FWS

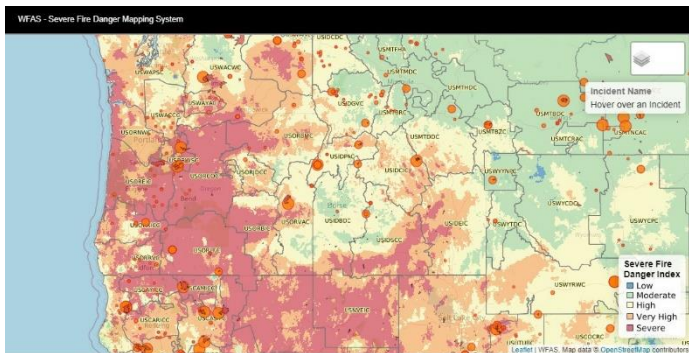
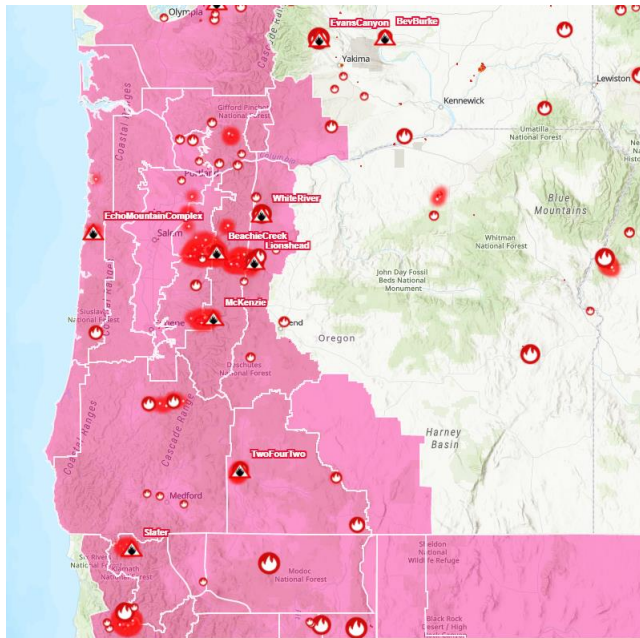
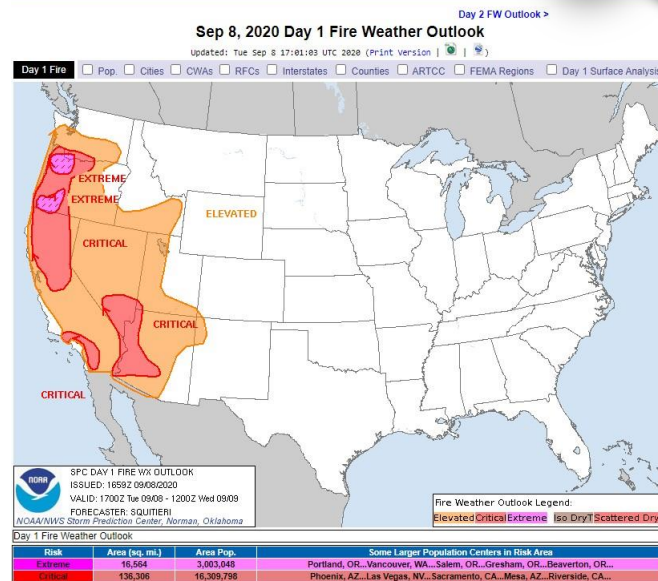
BIA, Other Fed & Other

Critical Fire Weather Event

Sept 7--, 2020



NOAA's National Weather Service
Storm Prediction Center
 Site Map News



ALERT Wildfire Oregon, Idaho & Washington

About Partners YouTube About FAQ

OR, ID & WA Cameras

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Back Mountain X: +88.27 Y: -7.18 Z: 1.0 UO: white-09-08T08:50 © University of Oregon 2020/09/08 09:44:21.54
 Leaflet | Map data by Stamen Design, under CC BY 3.0; Data by OpenStreetMap, under CC BY-SA

Grizzly Creek Fire

First on scene
view from
aircraft 4AF.
30 minutes
from dispatch.





Grizzly Creek Fire

20 minutes later



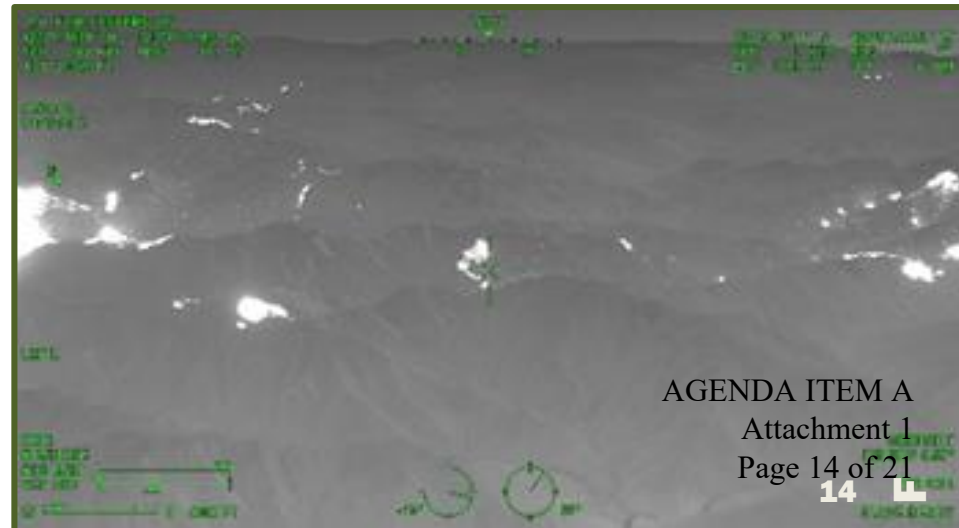
Air Tanker
view on
approach
for a drop



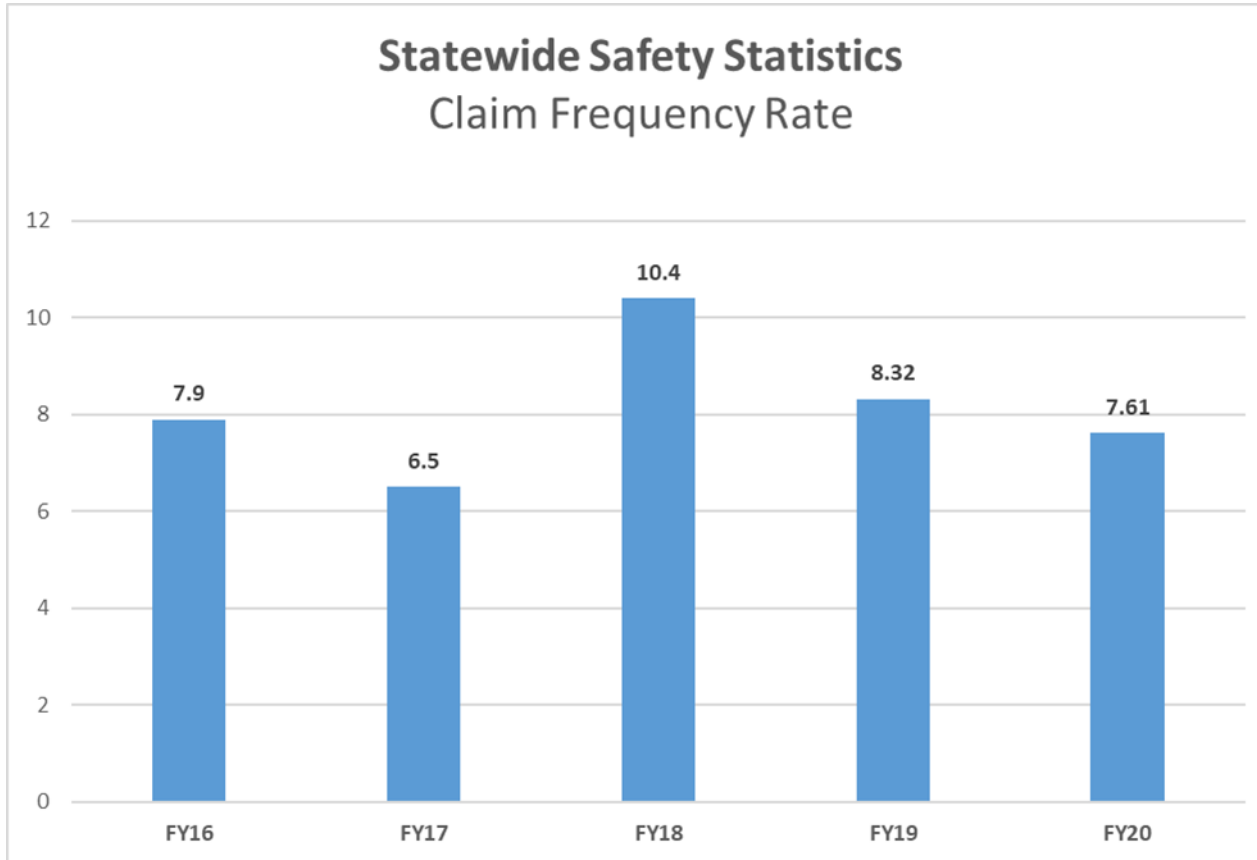
Strategic Investments

Infrared (IR) & Mapping System

- Night Vision
- Mapping
- Software
- Total investment: \$692,336.00



Safety Statistics



5 year averages:

- 8.15 injuries per 200,00 hours worked
- 1.613 million hours worked
- 65.2 total claims

July, 2020:

- 6.37 injuries per 200,000 hours worked
- 250,981 hours worked
- 8 claims

COVID 19 Response



ODF COVID Module Deployments

- Fir Mountain – deployed as a test run
- Steet Mountain Complex & Laurel
- Mosier*
- Meachum Complex[^]*
- Green Ridge*
- Sweet Creek MP2
- White River[^]*



*One potential COVID case identified, crew demobilized
[^]Mutual Aid deployment

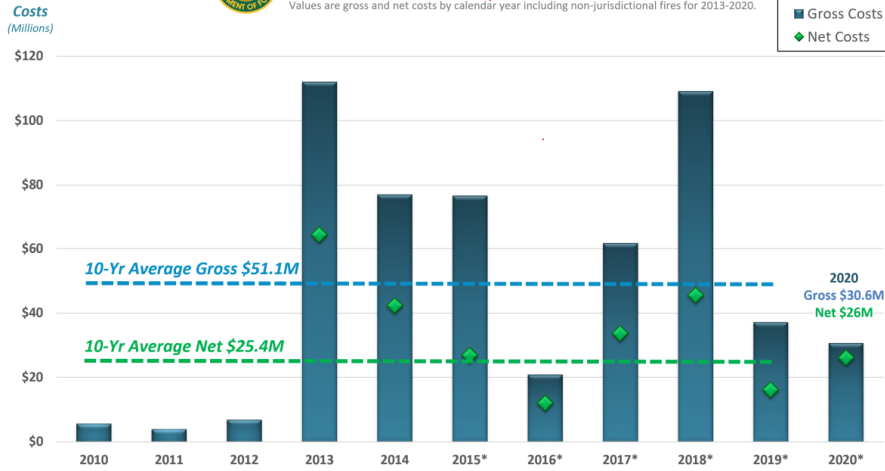
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ODF Large Fire Costs 2010 – 2020ytd



ODF Large Fire Costs

ODF Protection Finance and EFCC Data 9/04/2020.
Values are gross and net costs by calendar year including non-jurisdictional fires for 2013-2020.

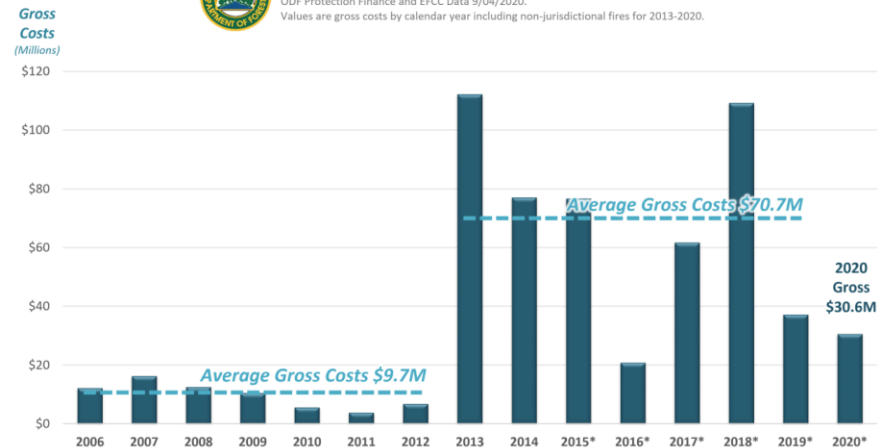


*Includes draft claims figures



ODF Large Fire Costs

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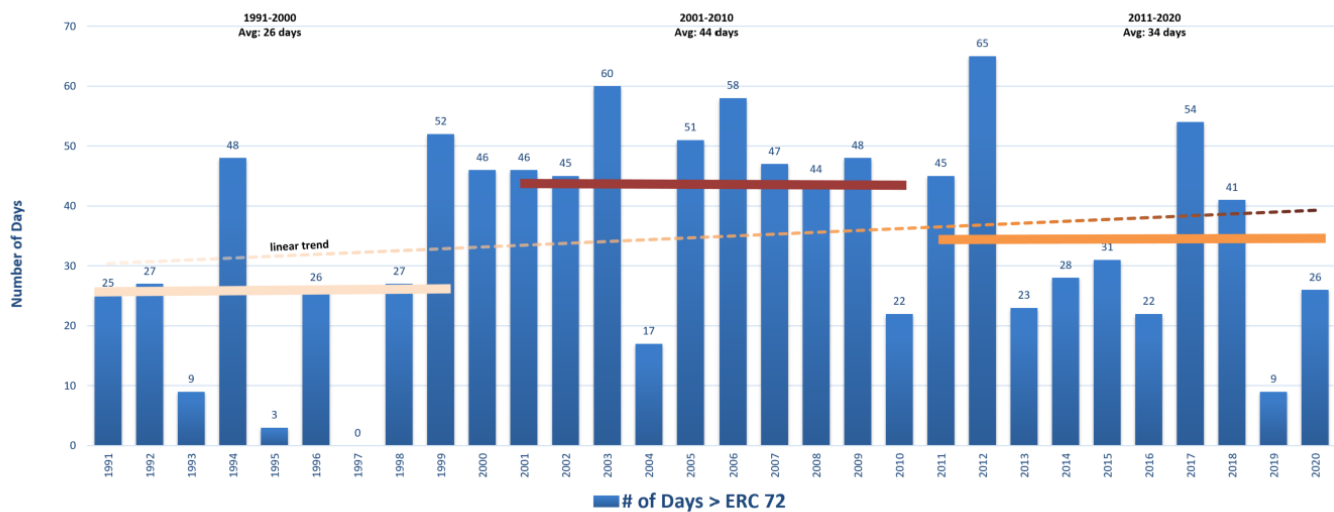
*Includes draft claims figures



Fire Season Severity – ERCs

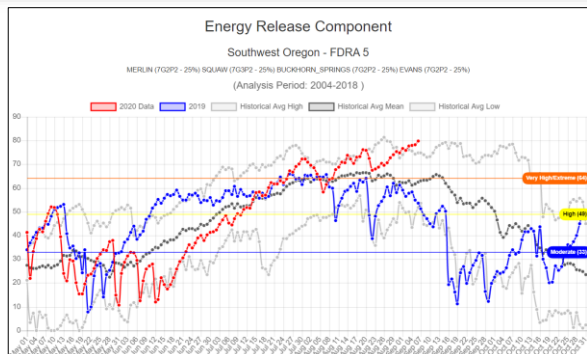
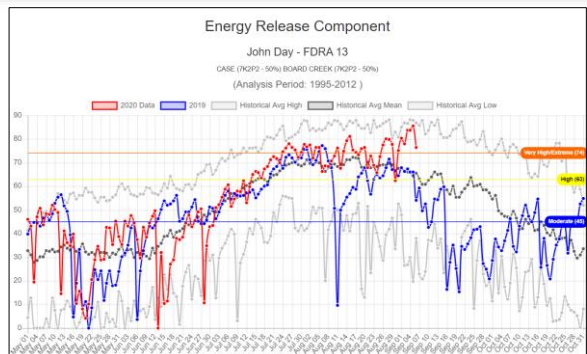
Fire Season Severity

Showing number of days annually where potential Energy Release (ERC) from cumulative drying of live and dead fuels exceeded the severity/large fire threshold for John Day Fire Danger Rating Area (ERC 72).



The Energy Release Component (ERC) is an index related to how hot a fire could burn at the flaming front. Through the fire season, as live fuels cure and dead fuels dry, the ERC values get higher thus providing a good reflection of drought conditions.

The ERC can serve as a good characterization of fire season as it tracks seasonal fire danger trends well. Fuel loading, woody fuel moistures, and larger fuel moistures all have an influence on the ERC. ERC has low variability, and is the best fire danger component for indicating the effects of intermediate to long-term drying on fire behavior. For more information: http://gacc.nifc.gov/oscc/predictive/fuels_fire-danger/psa_nfrs/ercindex.html



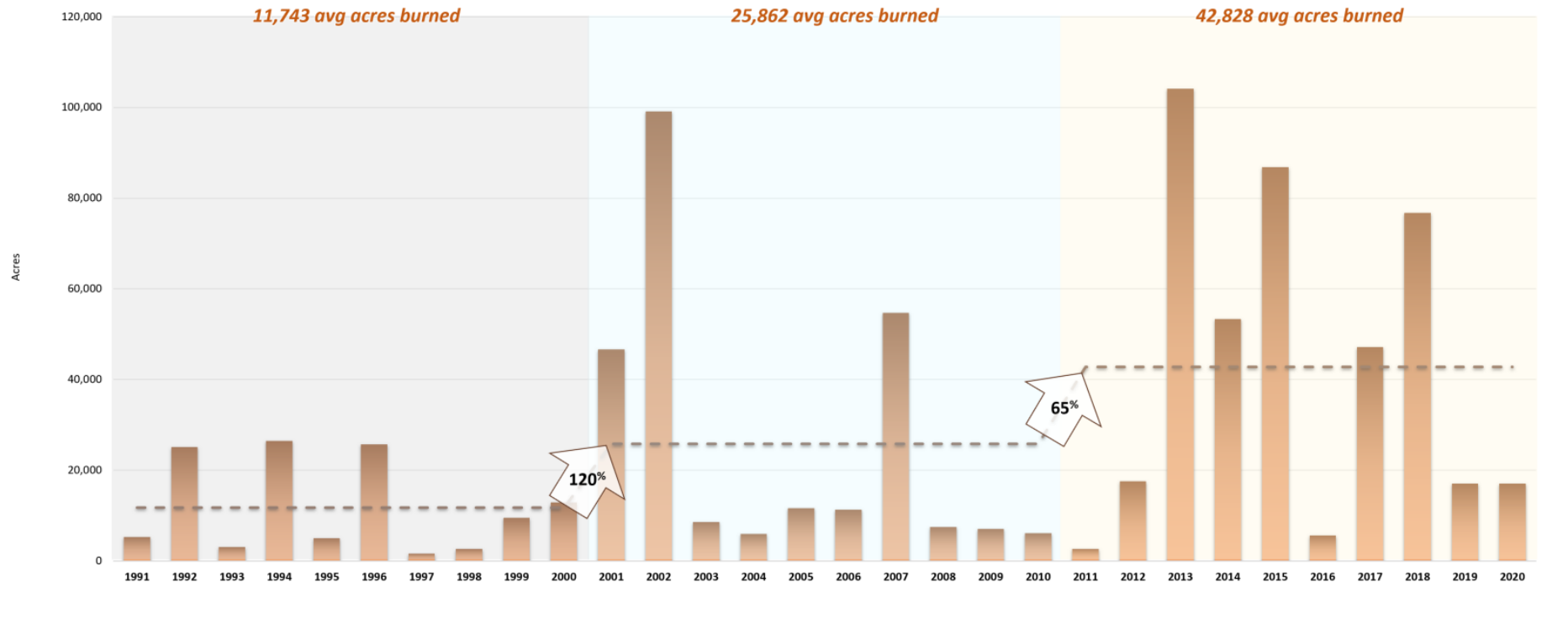


ODF Protected Lands

Average Acres Burned by Decade



ODF Protected Lands - Average Acres Burned by Decade
09/07/2020 ODF.



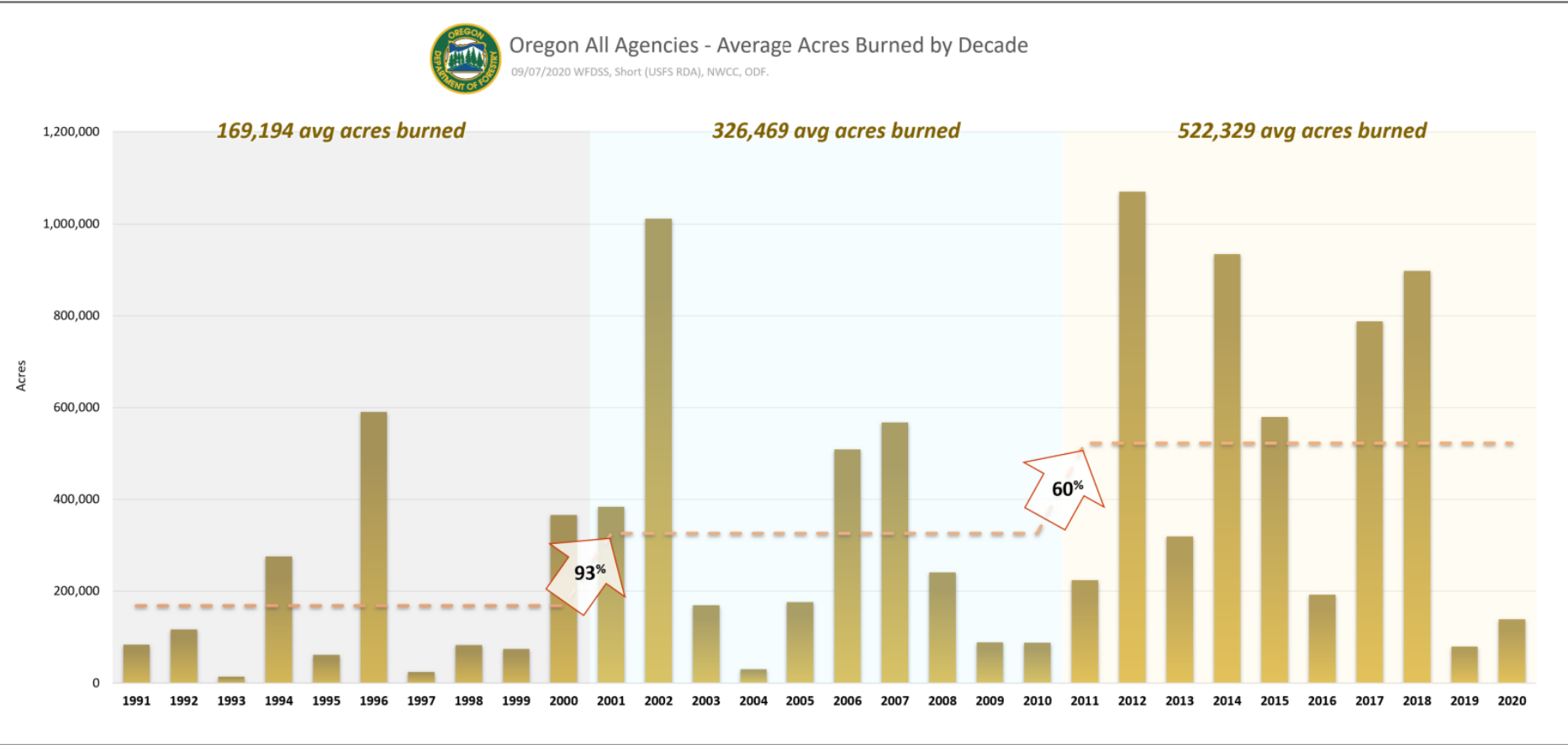


Oregon Statewide - All Agencies Average Acres Burned by Decade



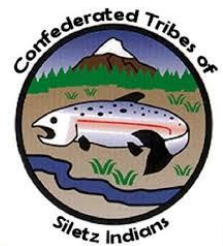
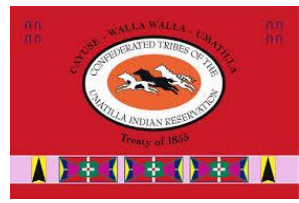
Oregon All Agencies - Average Acres Burned by Decade

09/07/2020 WFDSS, Short (USFS RDA), NWCC, ODF.





Oregon's Complete & Coordinated Fire Protection System



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