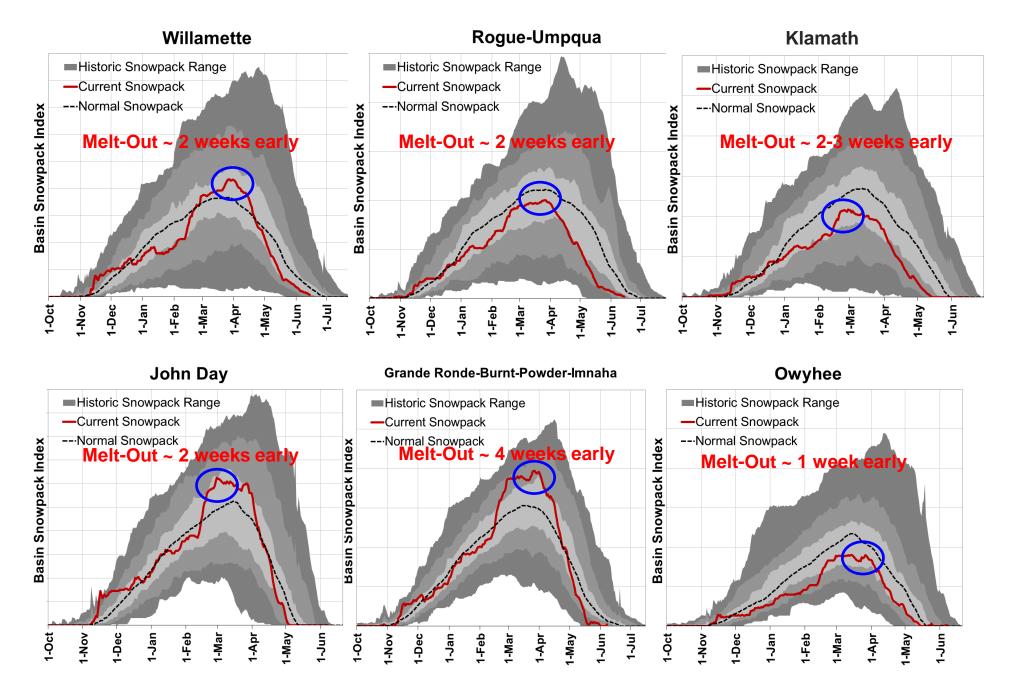
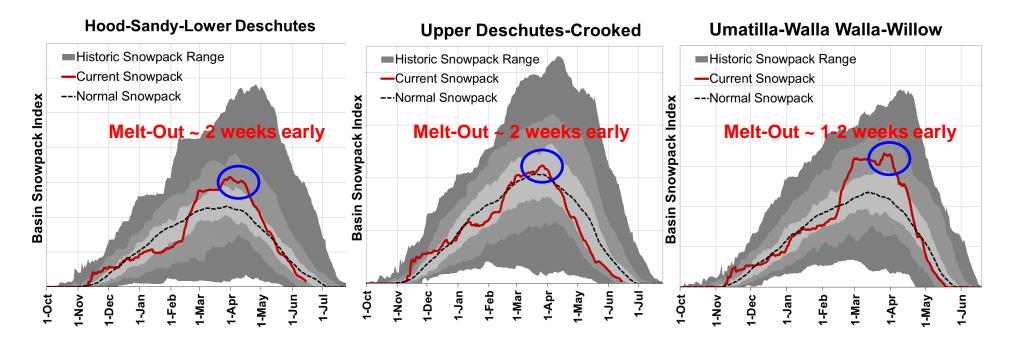
Oregon Water Supply Availability Committee – June 16, 2021

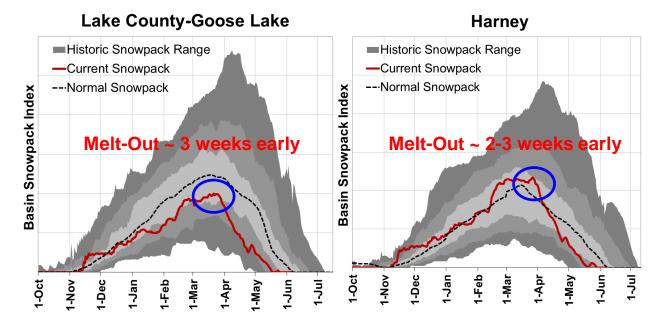
H. Scott Oviatt USDA – Natural Resources Conservation Service <u>scott.oviatt@usda.gov</u> 503-414-3271

### **OREGON SNOWPACK GRAPHS – June 16, 2021**

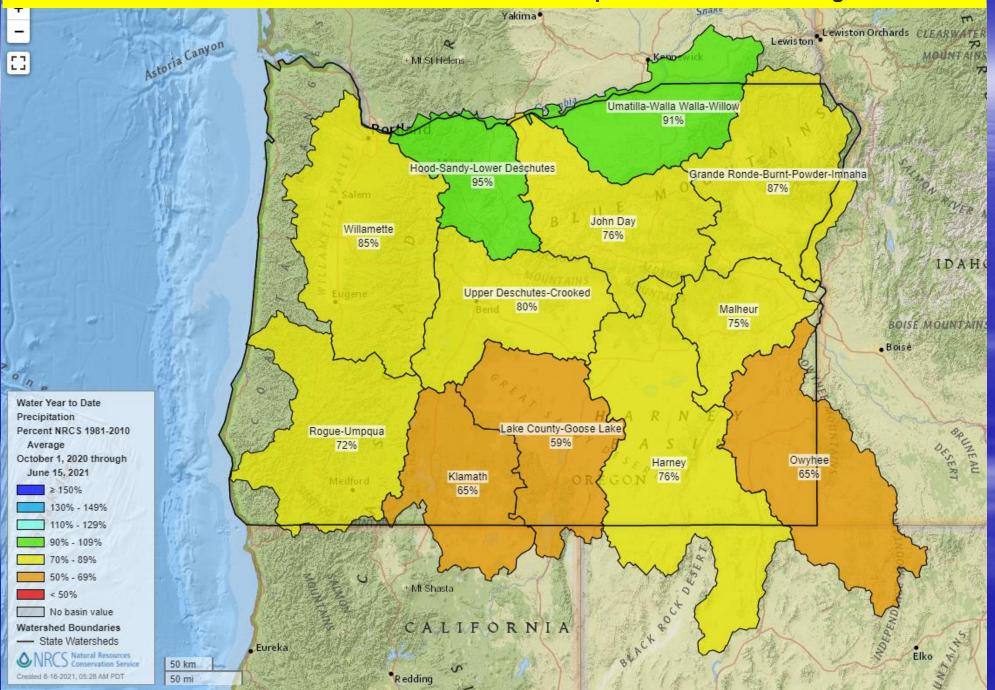


### **OREGON SNOWPACK GRAPHS – June 16, 2021**





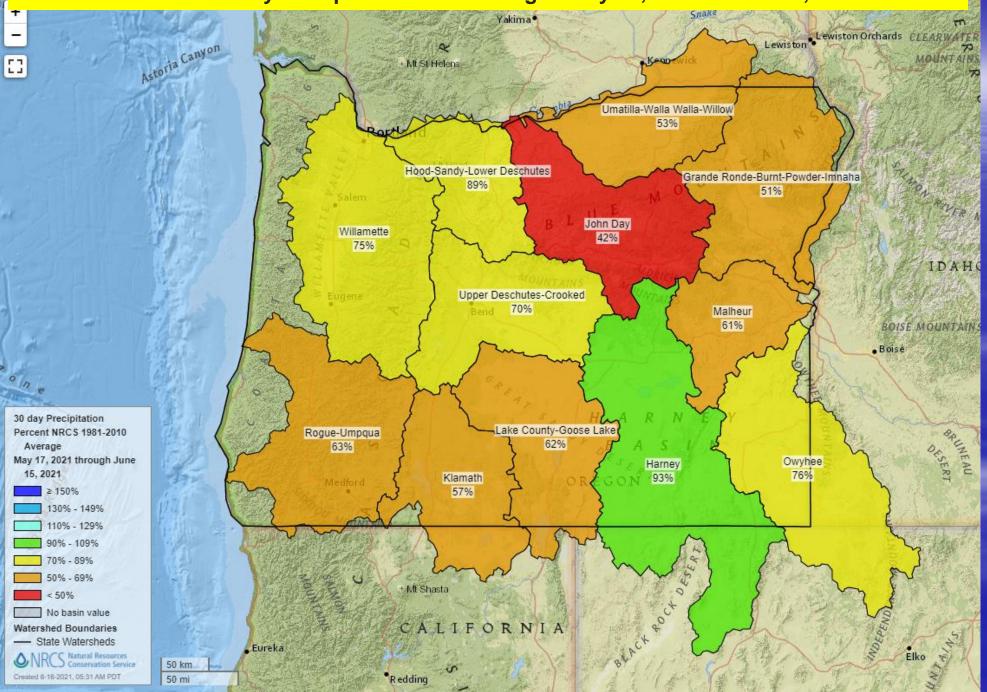
### June 15<sup>th</sup> Statewide SNOTEL Water Year Precipitation is 83% of average



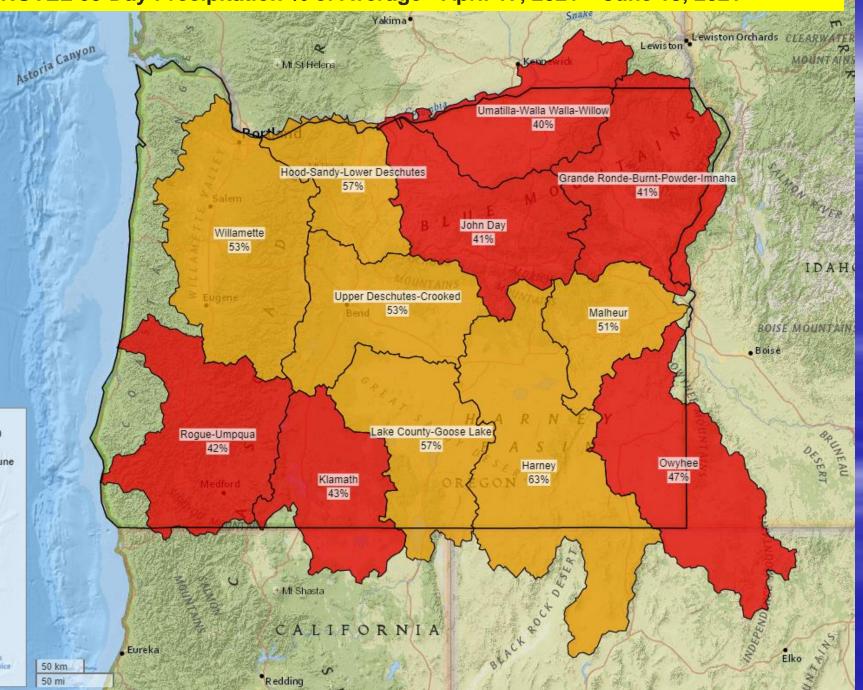
#### SNOTEL 30-Day Precipitation % of Average - May 17, 2021 – June 15, 2021

+

-



### SNOTEL 60-Day Precipitation % of Average - April 17, 2021 – June 15, 2021



60 day Precipitation Percent NRCS 1981-2010 Average April 17, 2021 through June 15, 2021 ≥ 150% 130% - 149% 110% - 129% 90% - 109% 70% - 89% 50% - 69% < 50% No basin value Watershed Boundaries State Watersheds C Natural Resources servation Service Created 6-16-2021, 05:32 AM PDT

oine

**E**3

#### SNOTEL 90-Day Precipitation % of Average - March 18, 2021 – June 15, 2021

2

Yakima•

m

MOUNTAINS

IDAHC

BRUNEAU

OESERT

4145

~

Elko

BOISE MOUNTAINS

. Boise

INDEPEN

Lewiston Orchards CLEARWATER

46%

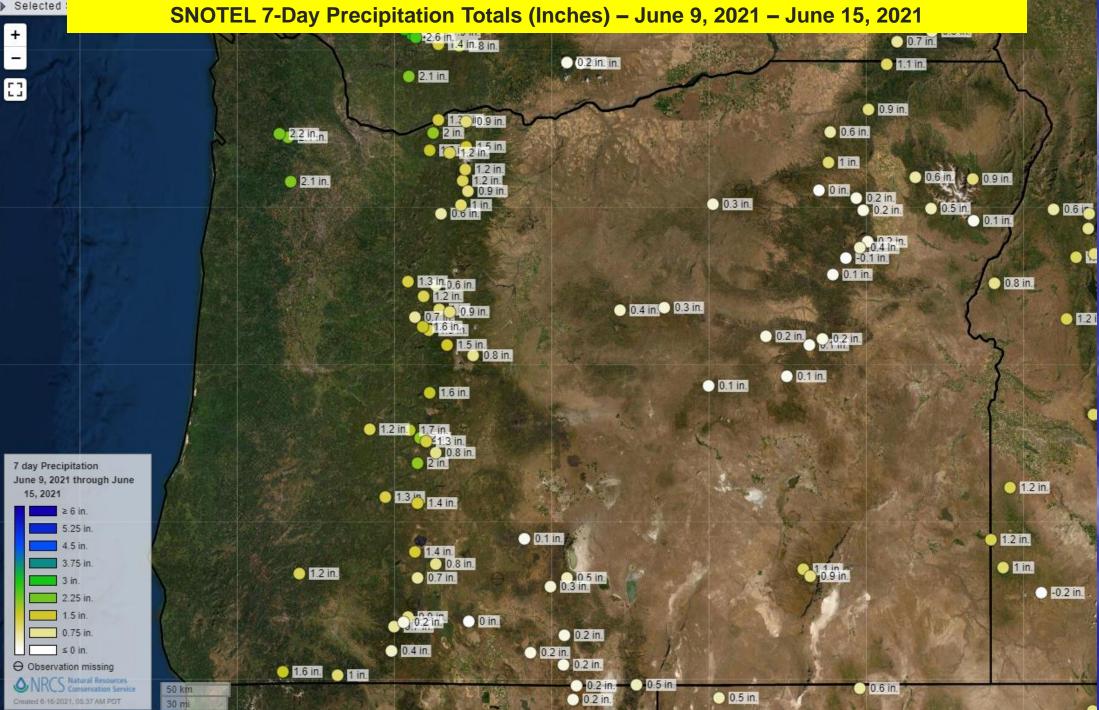
Owyhee

50%

46%

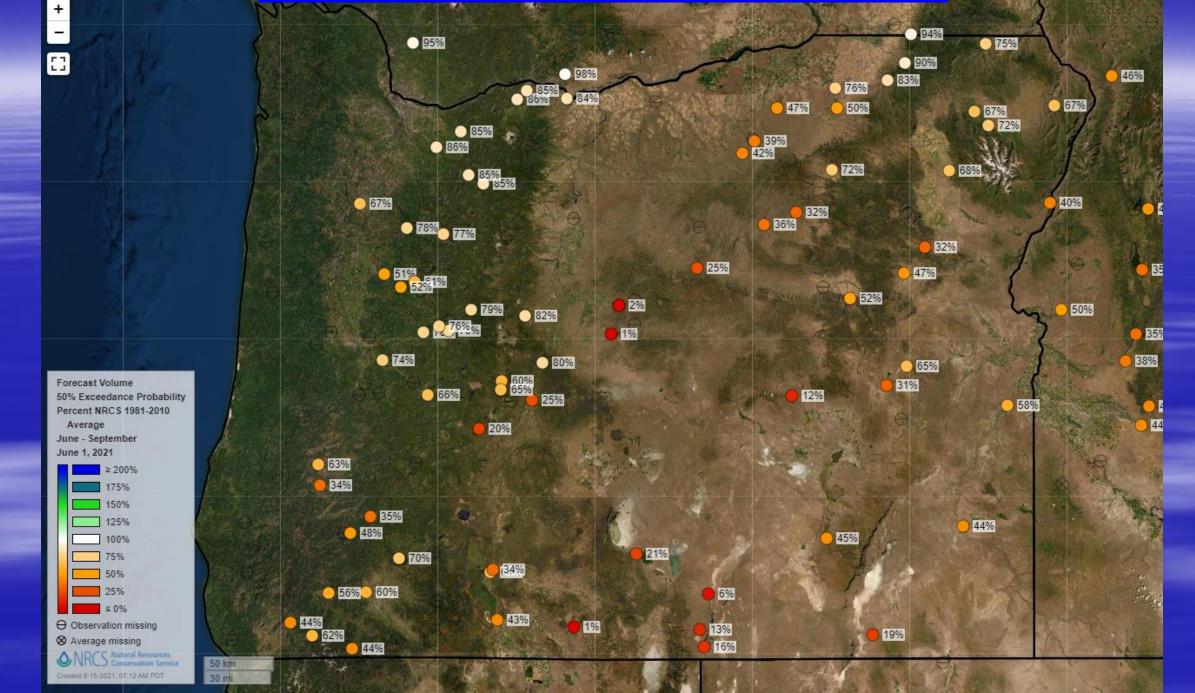
Astoria Canyon 53 Mt St Helens Umatilla-Walla Walla-Willow 48% Hood-Sandy-Lower Deschutes Grande Ronde-Burnt-Powder-Imnaha 59% John Day 39% Willamette 51% Upper Deschutes-Crooked 47% Malheur n 90 day Precipitation N Lake County-Goose Lake Percent NRCS 1981-2010 Rogue-Umpqua 42% 36% Average March 18, 2021 through Harney June 15, 2021 Klamath 35% 53% ≥ 150% 130% - 149% 110% - 129% 90% - 109% 70% - 89% 50% - 69% S 4 + Mt Shasta 0 50% 5t No basin value 0 CALIFORNIA Watershed Boundaries State Watersheds Eureka NRCS Natural Resources 50 km Created 6-16-2021, 05:33 AM PDT •R edding 50 mi

Selected

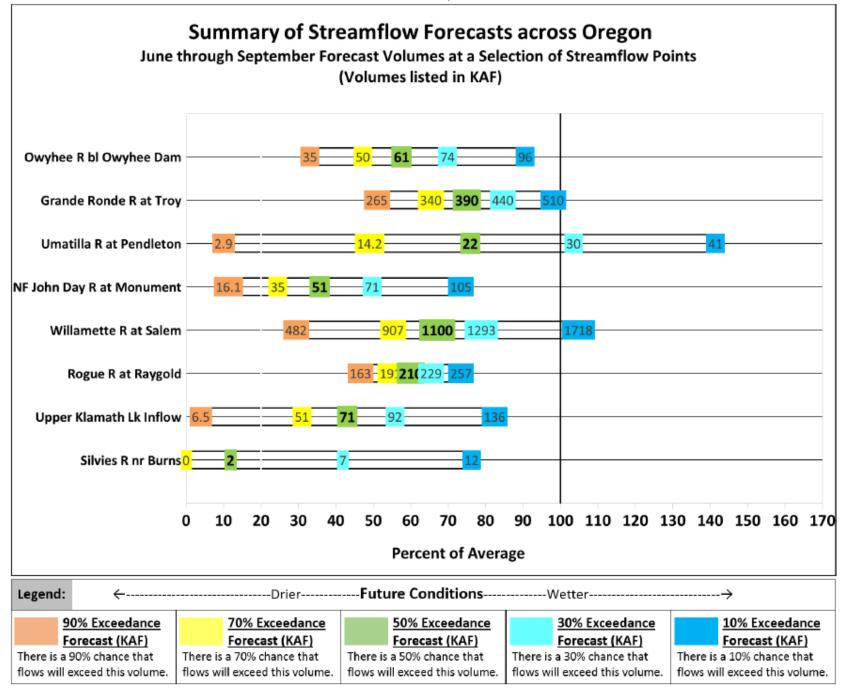


Selected Stations: 883

June 1, 2021 – Forecast Volume, 50% Exceedance Probability (JUN-SEP)



JUNE 1, 2021



### Thank you

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

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To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.

Oregon Water Supply Availability Committee – June 16, 2021

H. Scott Oviatt USDA – Natural Resources Conservation Service <u>scott.oviatt@usda.gov</u> 503-414-3271



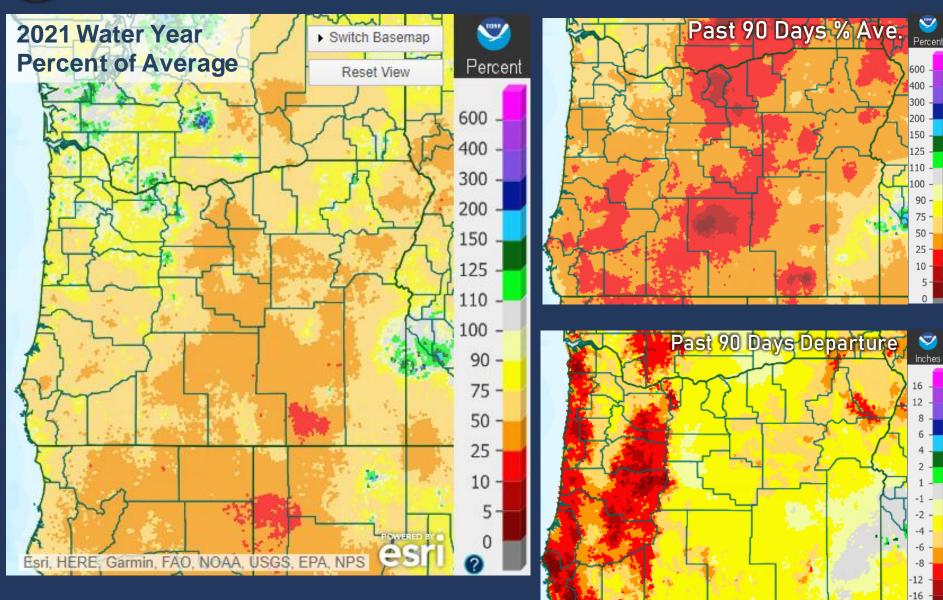
# NWS Portland

### June 16, 2021 NWS Update on Precipitation & Temperatures

Henry Pai NOAA/NWS Portland Northwest River Forecast Center



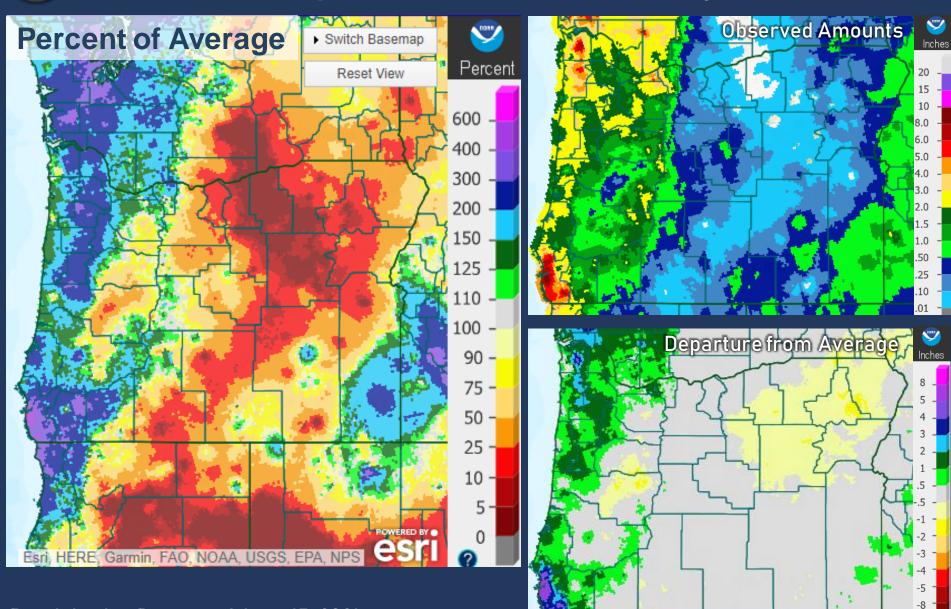
### Precipitation



#### Precipitation Data as of June 15, 2021

Source: water.weather.gov/precip/index.php?location\_type=wfo&location\_name=pqr

### Precipitation – Past 14 Days

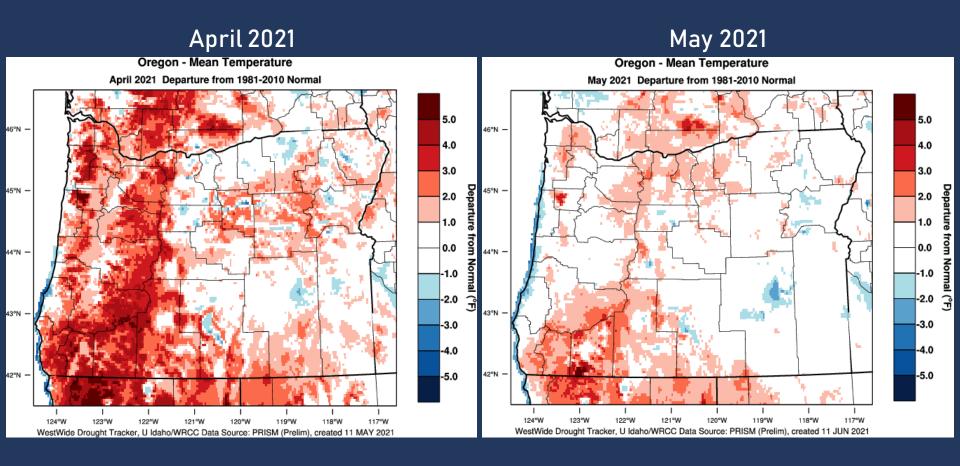


#### Precipitation Data as of June 15, 2021

Source: water.weather.gov/precip/index.php?location\_type=wfo&location\_name=pqr

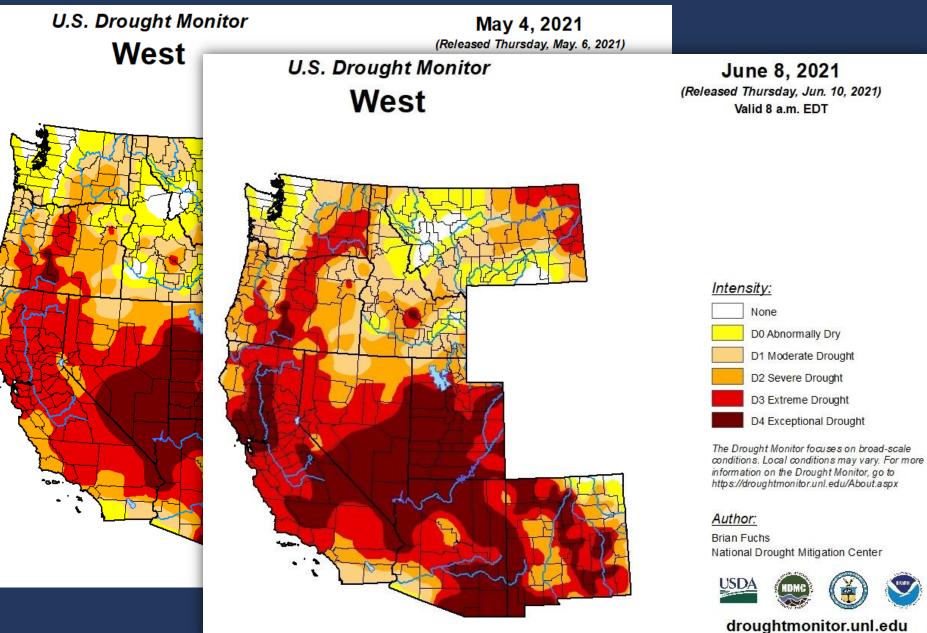


# **Recent Temperatures**



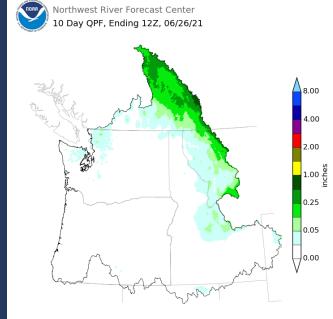
https://wrcc.dri.edu/wwdt/index.php?folder=mdn1

# **Drought Monitor**



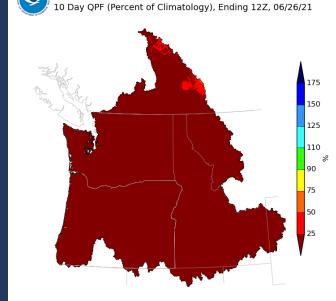


# Mid/Late June Outlook



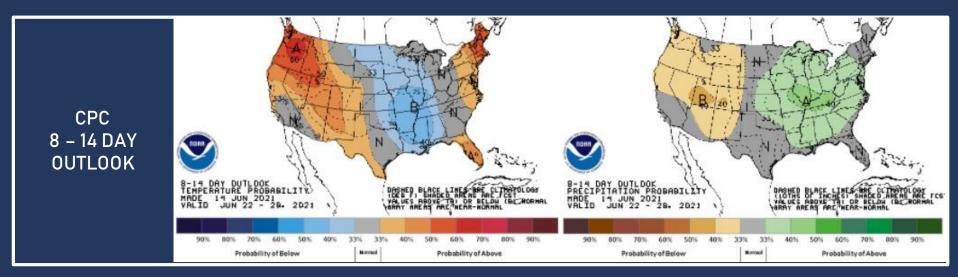
NWRFC 10-DAY PRECIPITATION





Northwest River Forecast Center

Creation Time: Wed Jun 16 14:39:52 UTC 2021

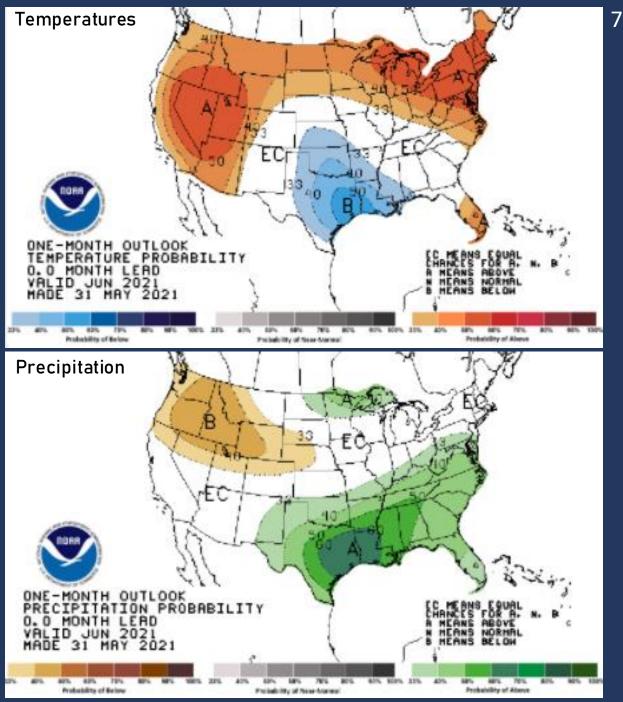


https://www.nwrfc.noaa.gov/water\_supply/wy\_summary/wy\_summary.php?tab=3

https://www.cpc.ncep.noaa.gov/products/predictions/814day/



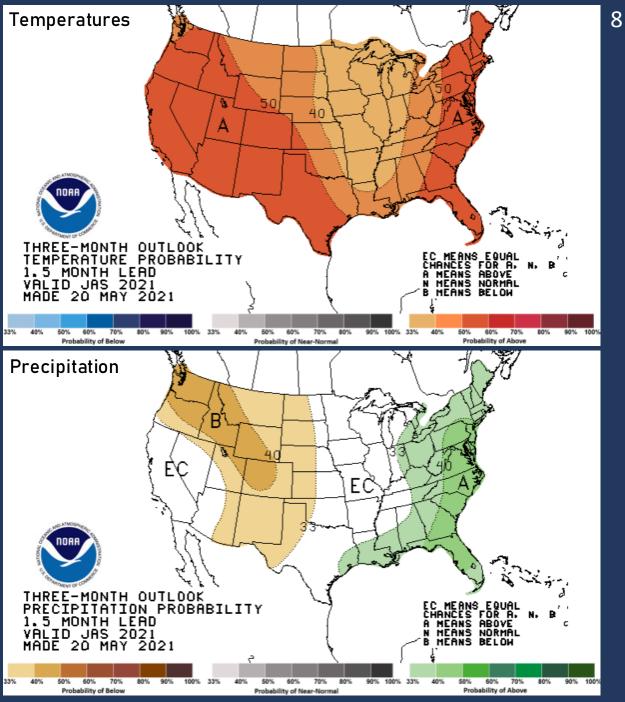
Climate Prediction Center Outlook June 2021



https://www.cpc.ncep.noaa.gov/products/predictions/long\_range/lead14/



Climate Prediction Center Outlook July-Aug-Sep 2021



https://www.cpc.ncep.noaa.gov/products/predictions/long\_range/seasonal.php?lead=2

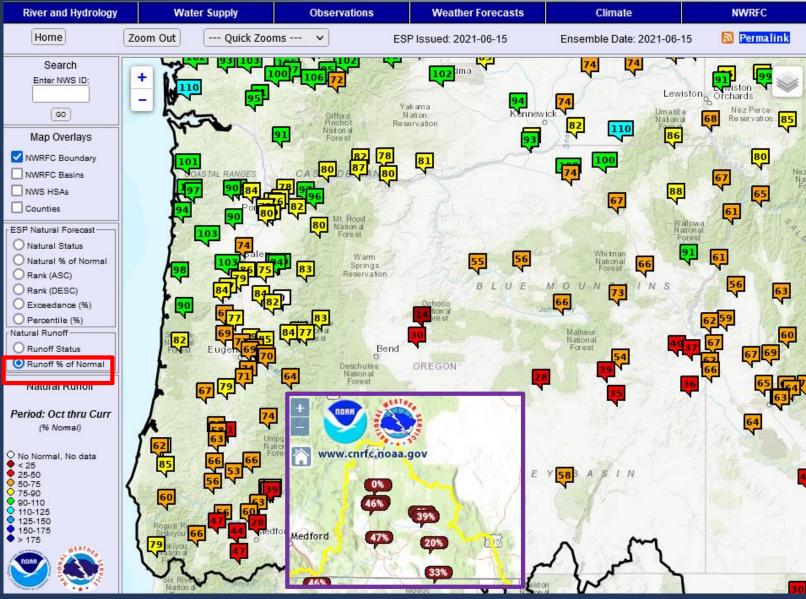


NOR

### Northwest River Forecast Center

**Observed Water Year Natural Runof** 





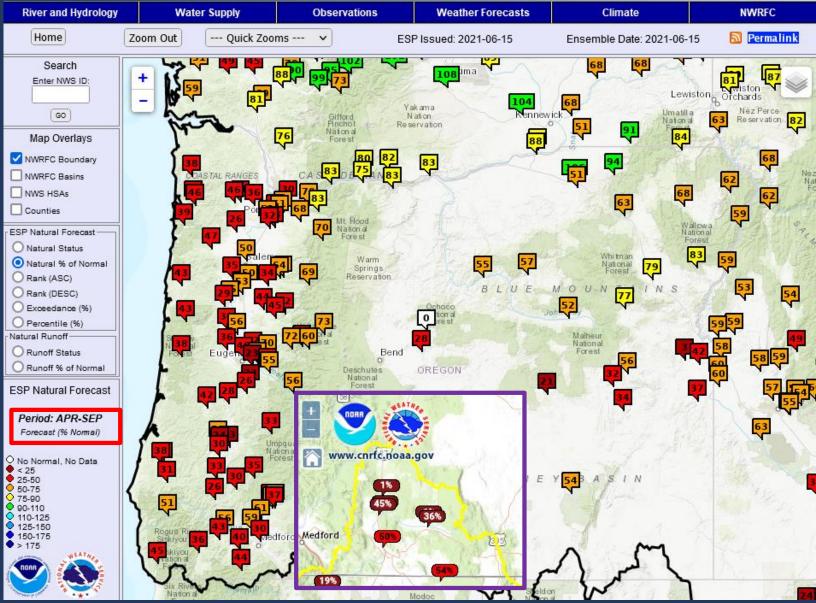
https://www.nwrfc.noaa.gov/natural/index.html



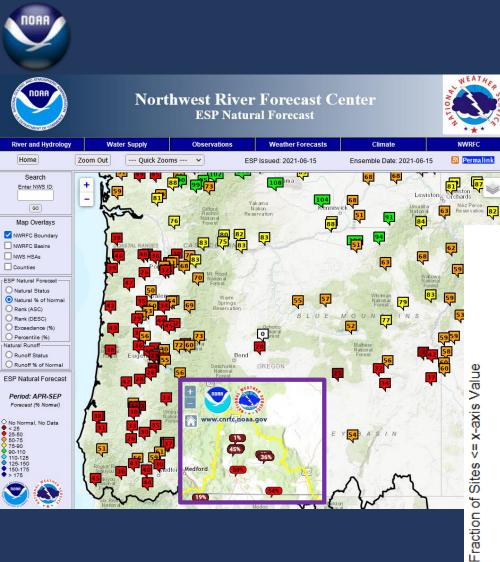
#### **Northwest River Forecast Center**

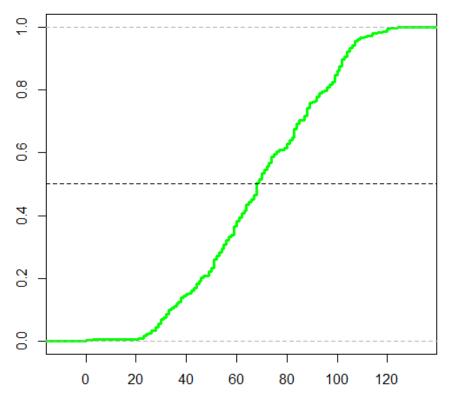
**ESP Natural Forecast** 





https://www.nwrfc.noaa.gov/natural/index.html

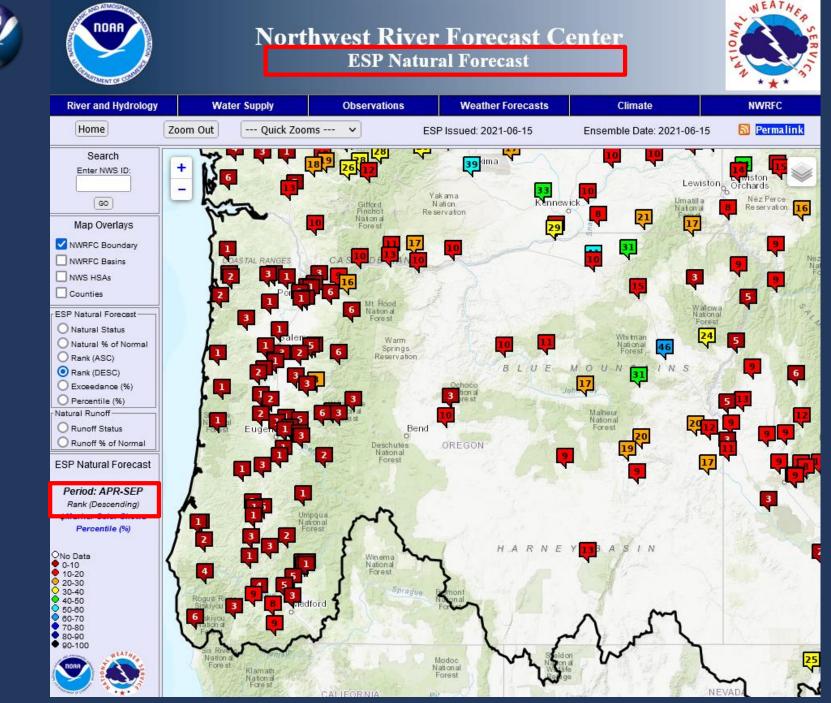




Oregon CDF of Apr-Sep % Normal Volumes (109 gauges)

11

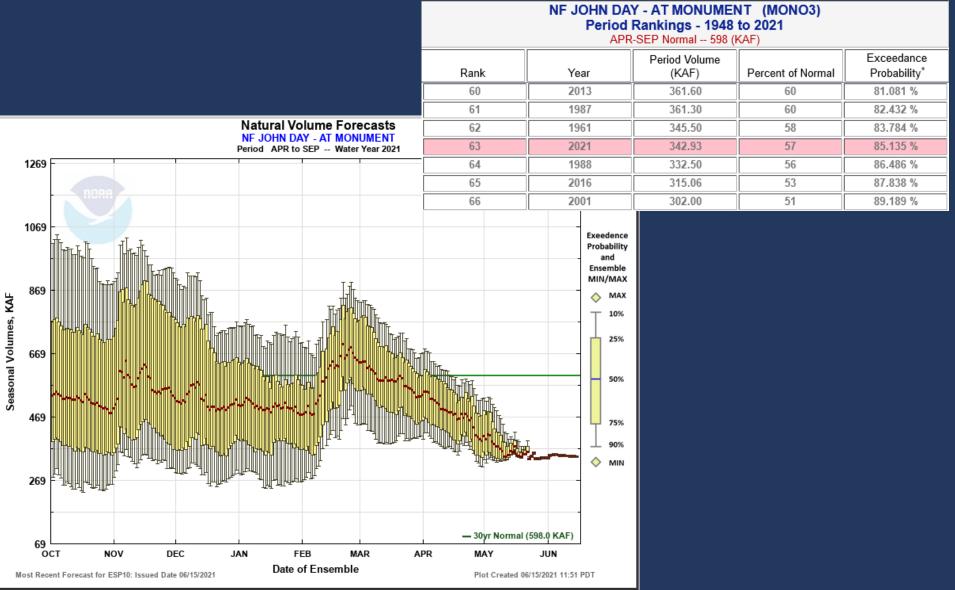
% Normal Apr-Sep Volume



https://www.nwrfc.noaa.gov/natural/index.html

# NORR

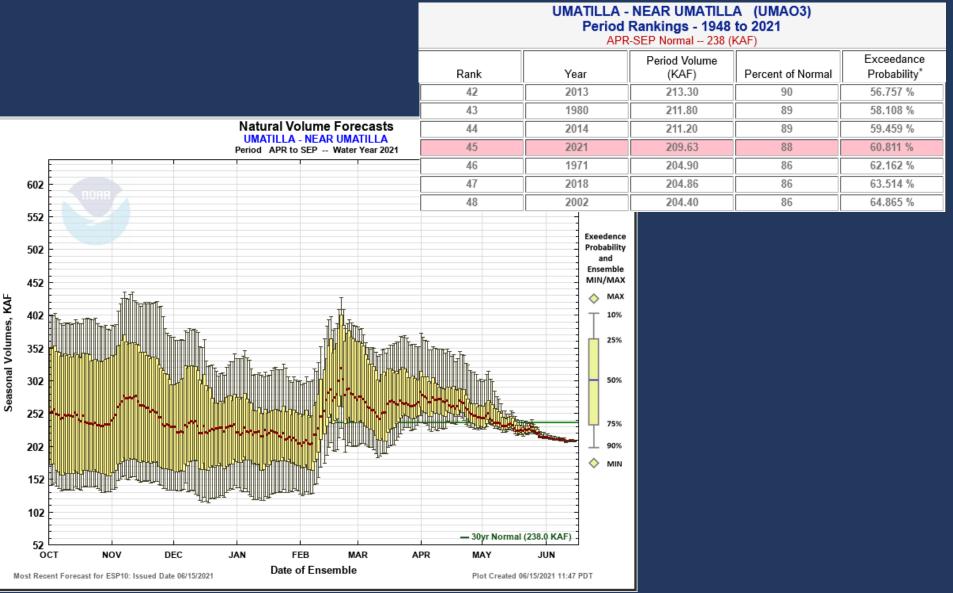
### Streamflow Volume Forecast NF John Day at Monument (Grant County)



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=MONO3



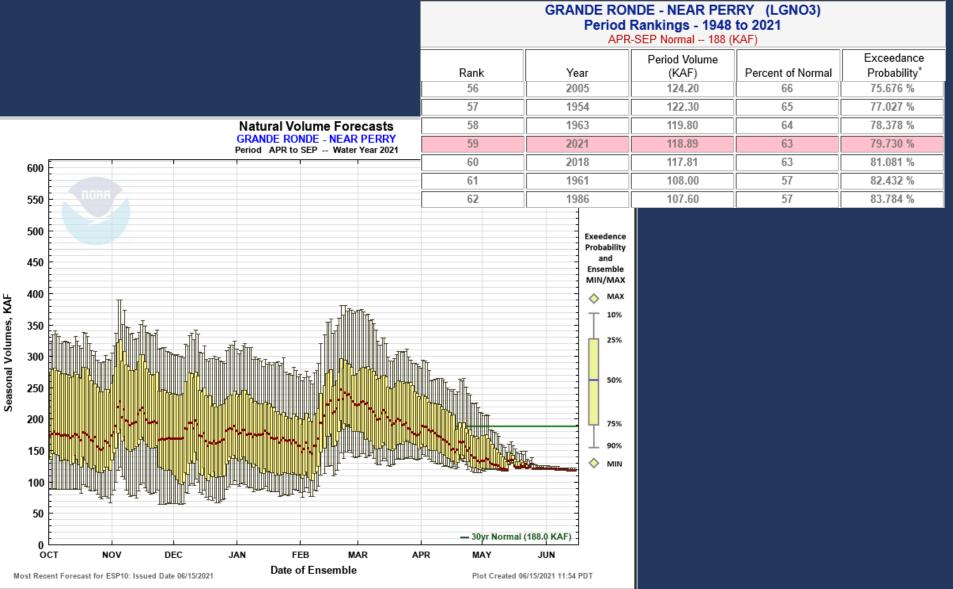
### Streamflow Volume Forecast Umatilla Near Umatilla



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=UMAO3



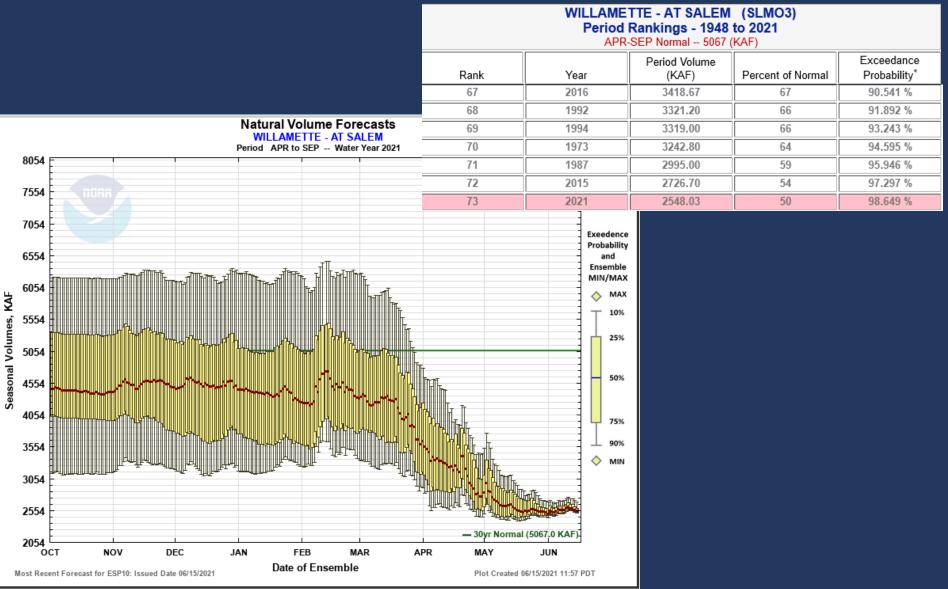
### Streamflow Volume Forecast Grand Ronde near Perry (Union County)



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=LGN03



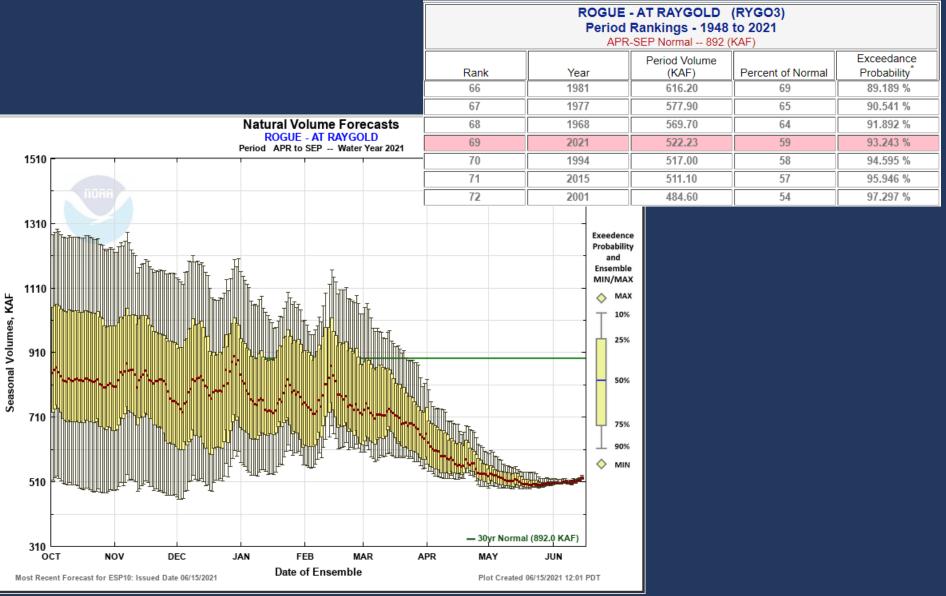
### Streamflow Volume Forecast Willamette River at Salem



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=SLM03



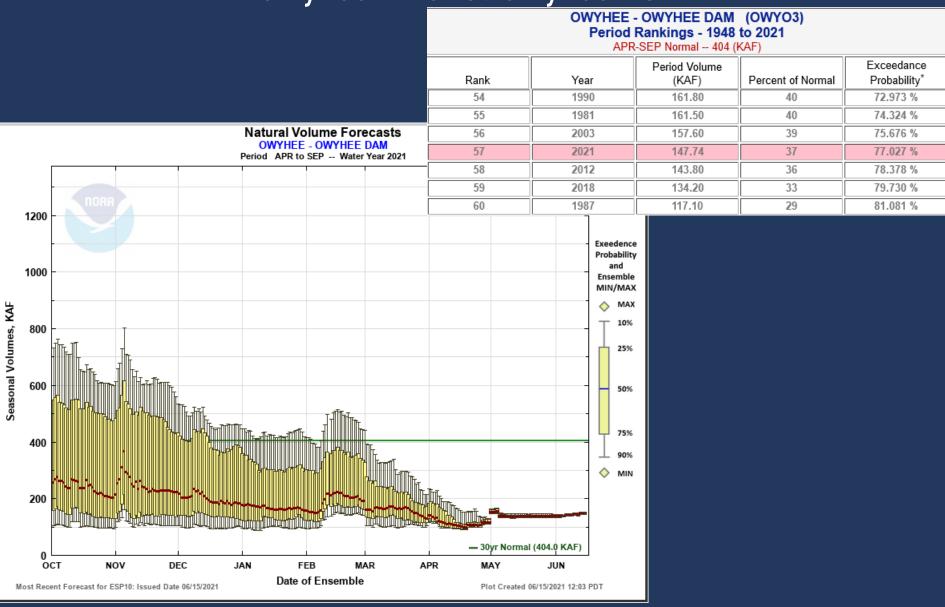
### Streamflow Volume Forecast Rogue River at Raygold



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=RYGO3



### Streamflow Volume Forecast Owyhee River at Owyhee Dam



https://www.nwrfc.noaa.gov/natural/plot/nat\_forecasts.php?id=OWY03

# Oregon WSAC/DRC Drought Status and Climate Updates May 2021

Larry O'Neill CEOAS Oregon State University Oregon Climate Services AASC State Climatologist of Oregon

Wednesday, June 16, 2021



College of Earth, Ocean, and Atmospheric Sciences



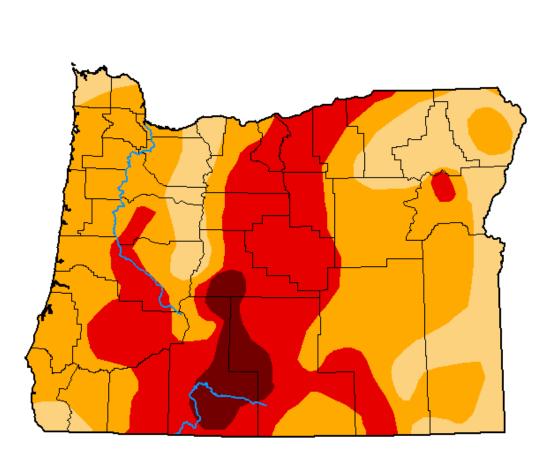


Oregon Climate Service

### U.S. Drought Monitor Oregon

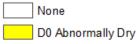
#### June 8, 2021 (Released Thursday, Jun. 10, 2021) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

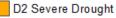


	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	80.37	34.37	4.78
Last Week 06-01-2021	0.00	100.00	97.08	72.03	27.36	3.57
3 Month s Ago 03-09-2021	19.33	80.67	67.28	43.99	12.53	0.00
Start of Calendar Year 12-29-2020	8.57	91.43	83.53	68.71	27.74	0.00
Start of Water Year 09-29-2020	6.50	93.50	84.77	65.53	33.59	0.00
One Year Ago 06-09-2020	4.88	95.12	81.33	38.77	4.79	0.00

#### Intensity:







D3 Extreme Drought

D1 Moderate 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:

Brian Fuchs

National Drought Mitigation Center



#### droughtmonitor.unl.edu

#### U.S. Drought Monitor Oregon



May 11, 2021



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

<u>Author:</u> David Simeral Western Regional Climate Center

**June 8, 2021** (Released Thursday, Jun. 10, 2021) Valid 8 a.m. EDT

> Drought Conditions (Percent Area) None D0-D4 D1-D4 D2-D4 D3-D4 D4 0.00 100.00 100.00 80.37 34.37 4.78 Current Last Week 0.00 100.00 97.08 72.03 27.36 3.57 06-01-2021 3 Months Ago 19.33 80.67 67.28 43.99 12.53 0.00 03-09-2021 Start of 8.57 91.43 83.53 68.71 27.74 0.00 Calendar Year Start of 6.50 93.50 84.77 65.53 33.59 0.00 Water Year 09-29-2020 One Year Ago 4.88 95.12 81.33 38.77 4.79 0.00 06-09-2020



D1 Moderate 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

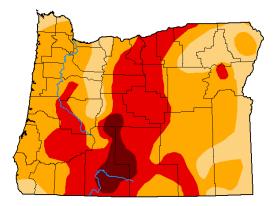
<u>Author:</u> Brian Fuchs National Drought Mitigation Center

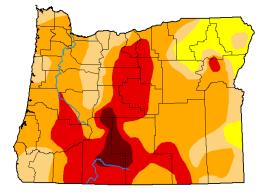


#### droughtmonitor.unl.edu

### Change over the month:

	May 11, 2021	June 8, 2021
D1-D4	91.5%	100%
D2-D4	71.7%	80.4%
D3-D4	26.1%	34.4%
D4	3.6%	4.9%

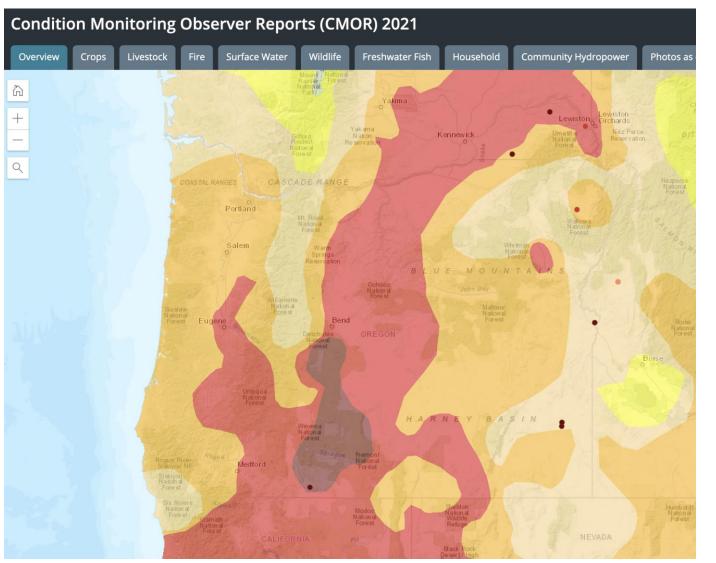




U.S. Drought Monitor
Oregon

#### Illuons (Percent Area) I-D4 D2-D4 D3-D4 D4

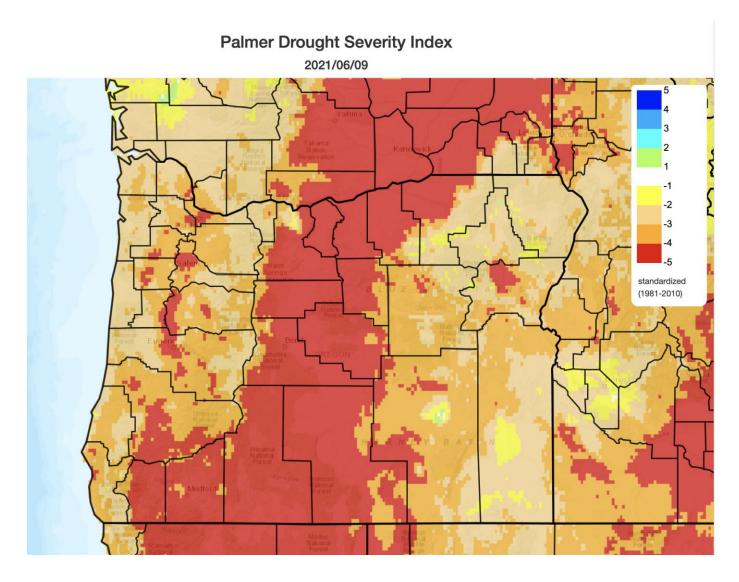
## CMOR reports over the last month



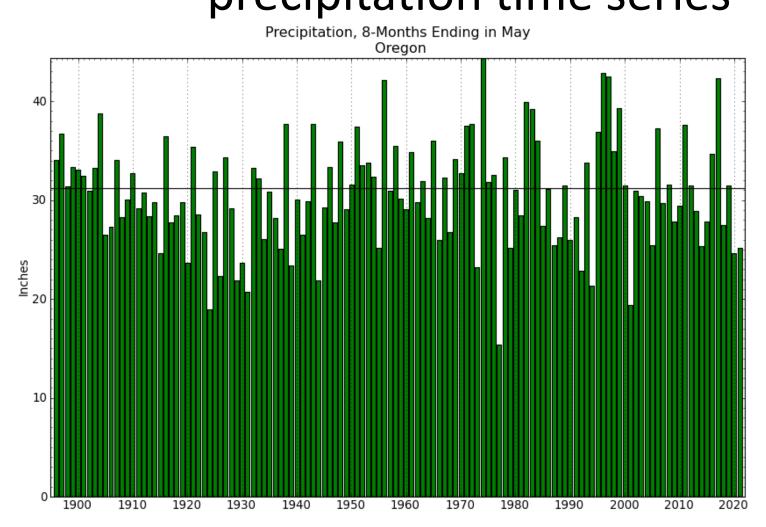
Over the last months, adverse impacts reported on the CMOR:

- Dryland agriculture, grasshopper infestations, dust storms, dry creeks/wells/ponds

## PDSI



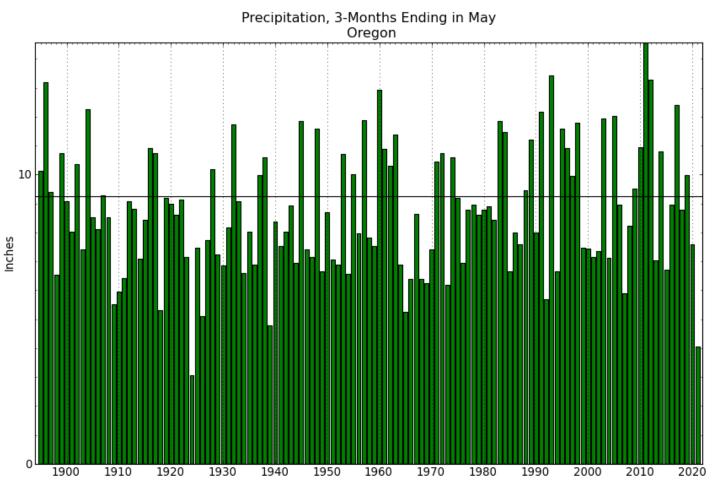
# Water Year 2021 to date statewide precipitation time series



— Normal Period: 1981-2010

Data Source: WRCC/UI, Created: 6-15-2021

## **Oregon MAM precipitation**

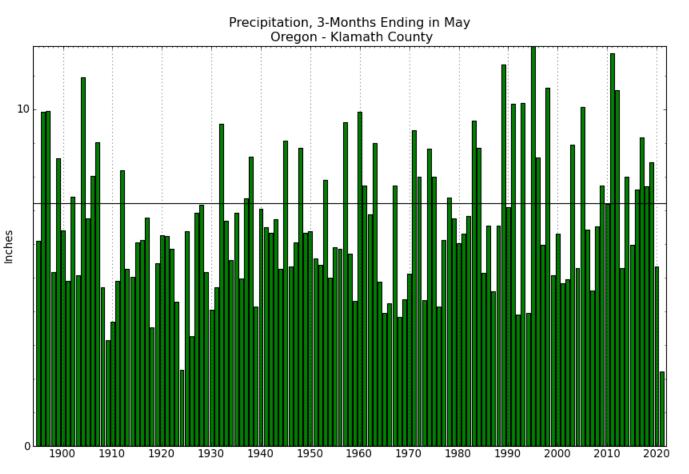


Statewide, the spring (MAM) period recorded the second lowest precipitation accumulation on record

MAM 1924 is the record lowest!

Normal Period: 1981-2010

#### Klamath County MAM precipitation



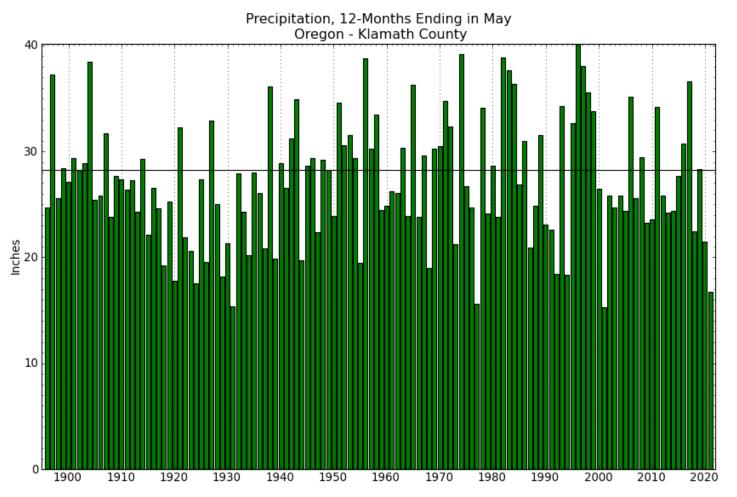
Klamath County tied its driest MAM on record

MAM 2021: 2.26" MAM 1924: 2.26"

These are based on preliminary data, so this ranking may change in the coming months

Normal Period: 1981-2010

#### Klamath County WYTD Precipitation

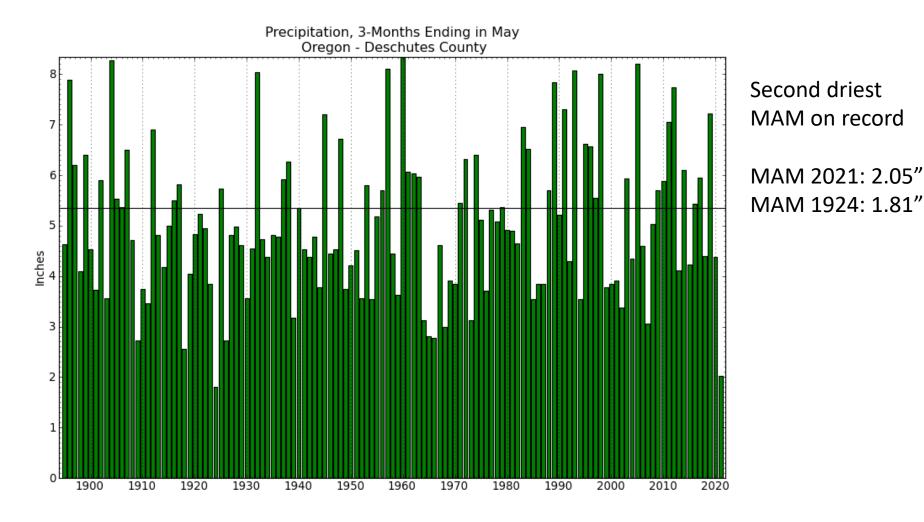


Fourth driest WYTD on record

Normal Period: 1981-2010

Data Source: WRCC/UI, Created: 6-15-2021

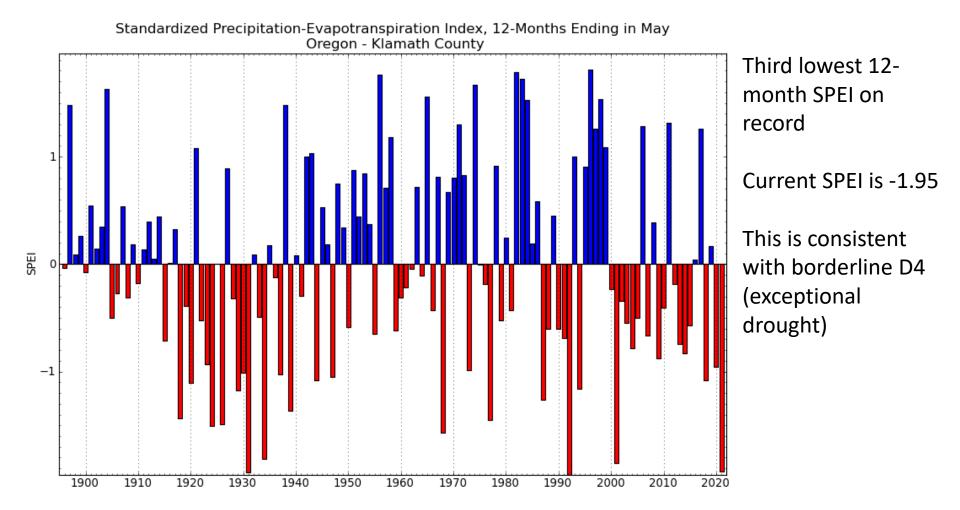
#### **Deschutes County MAM Precipitation**

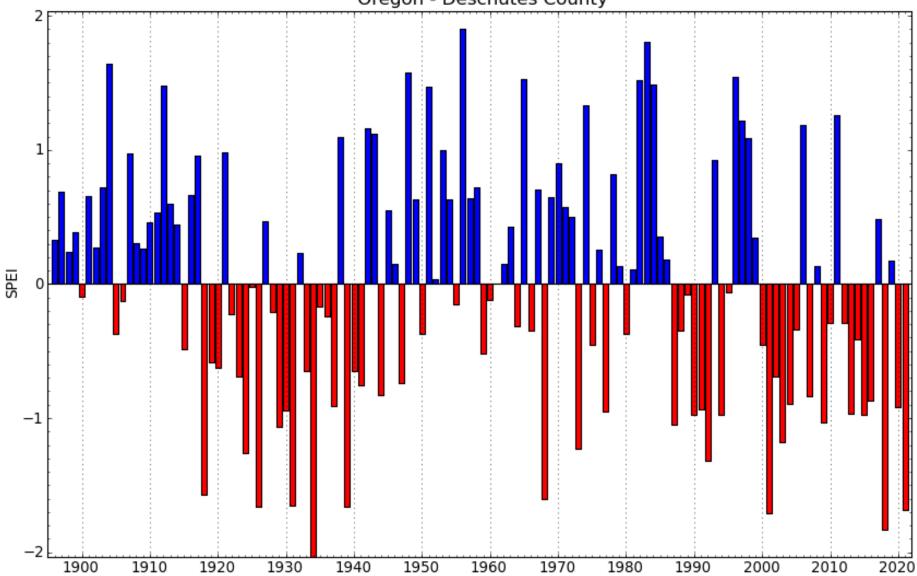


Normal Period: 1981-2010

Data Source: WRCC/UI, Created: 6-15-2021

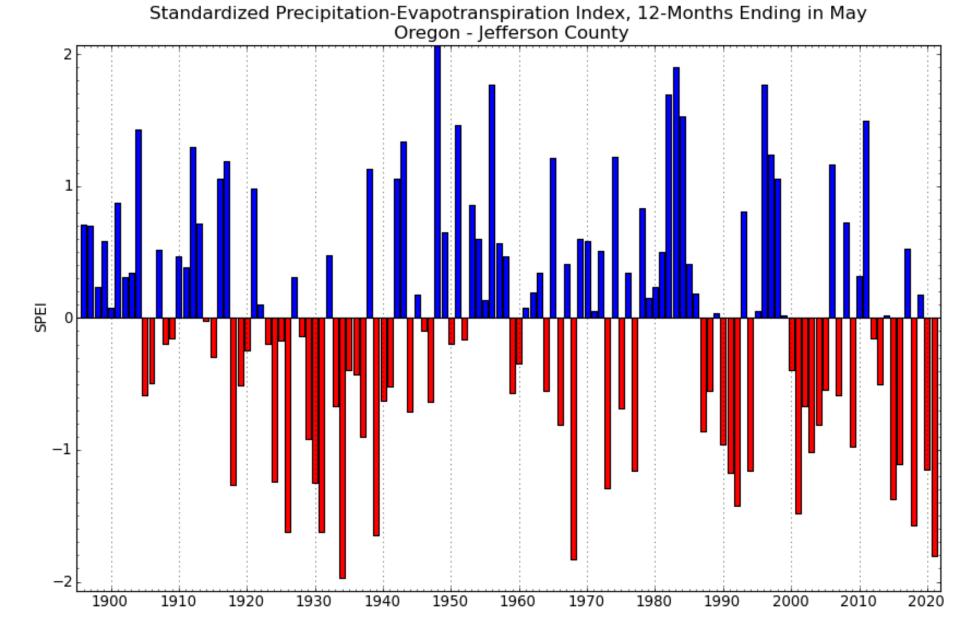
# Klamath County 12-month SPEI



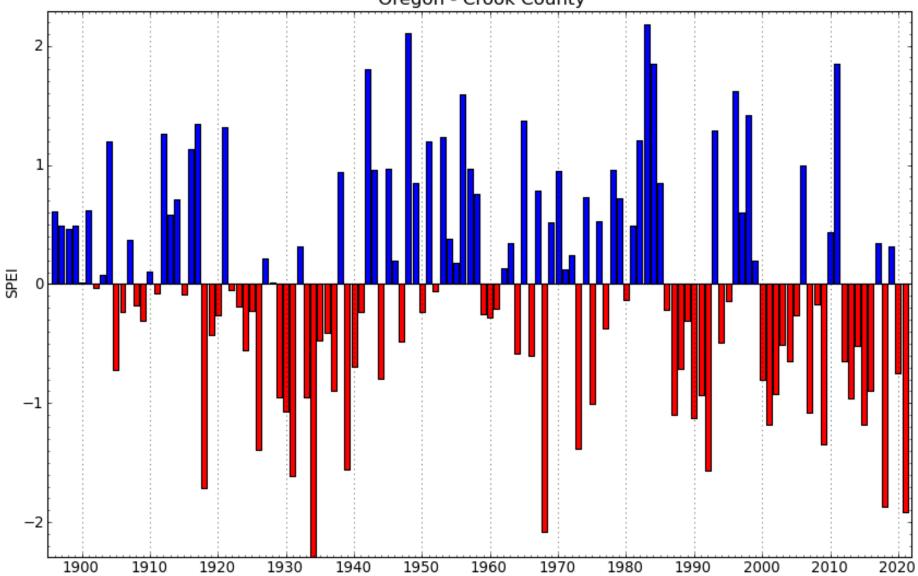


Standardized Precipitation-Evapotranspiration Index, 12-Months Ending in May Oregon - Deschutes County

Data Source: WRCC/UI, Created: 6-15-2021

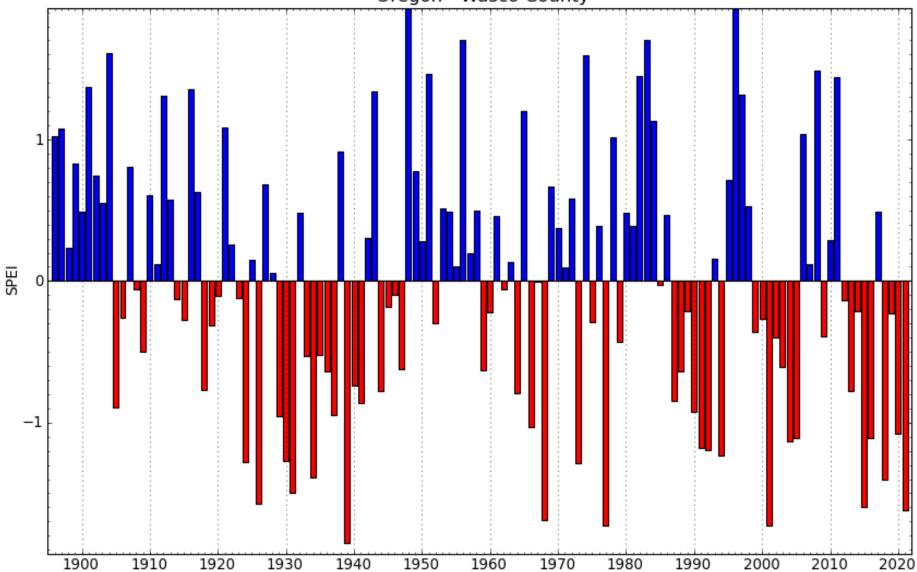


Data Source: WRCC/UI, Created: 6-15-2021



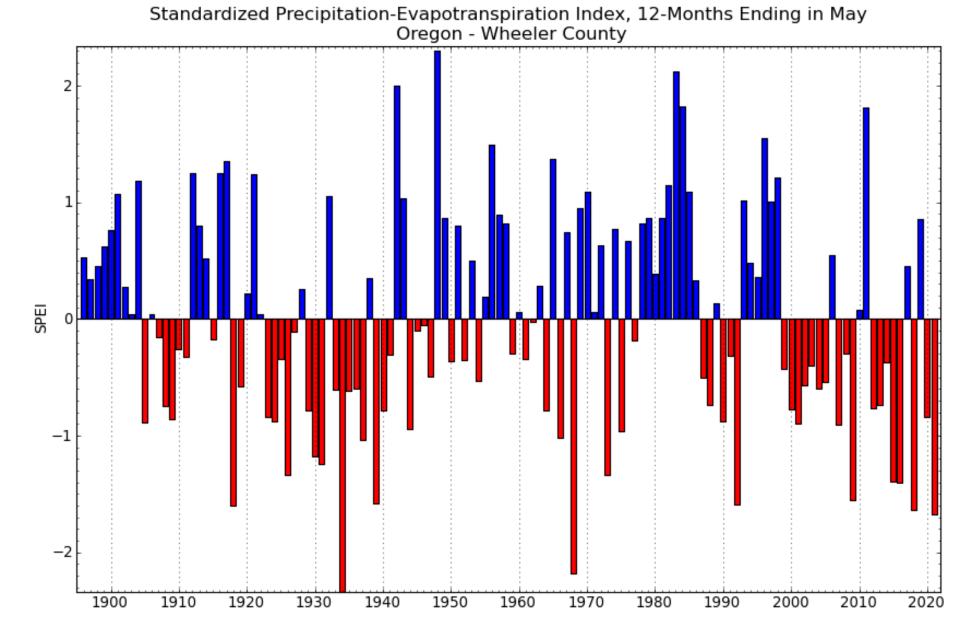
Standardized Precipitation-Evapotranspiration Index, 12-Months Ending in May Oregon - Crook County

Data Source: WRCC/UI, Created: 6-15-2021

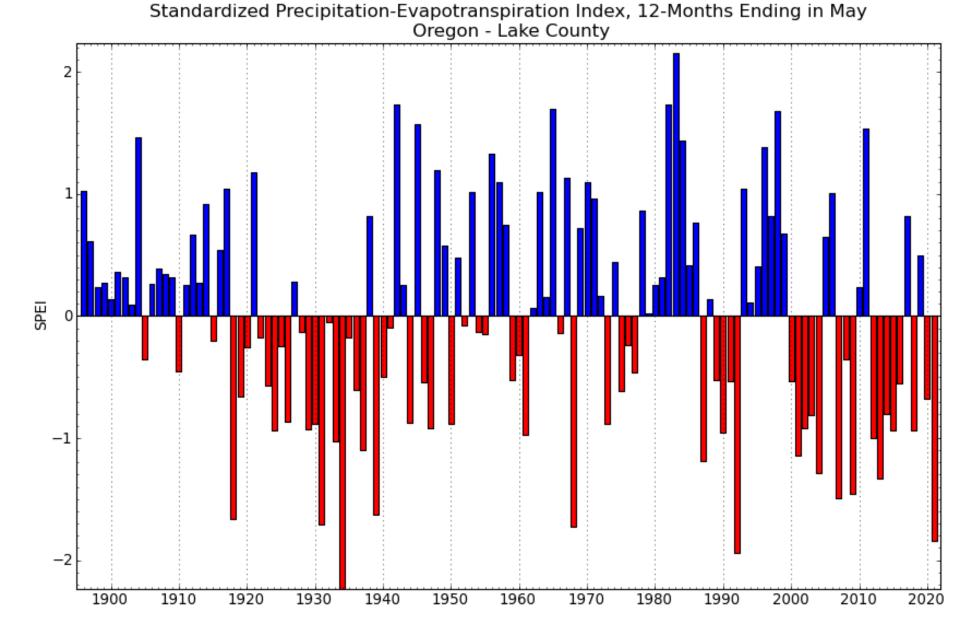


Standardized Precipitation-Evapotranspiration Index, 12-Months Ending in May Oregon - Wasco County

Data Source: WRCC/UI, Created: 6-15-2021



Data Source: WRCC/UI, Created: 6-15-2021



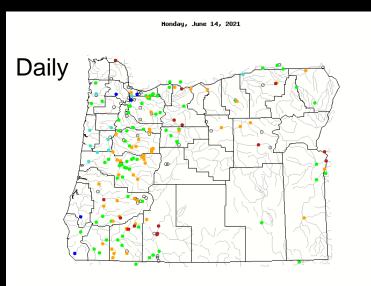
Data Source: WRCC/UI, Created: 6-15-2021

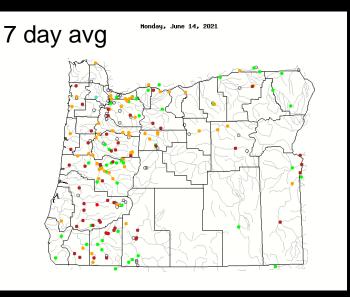
#### Oregon Water Supply Availability Meeting May 2021

Photo 14087380 Crooked River below Osborne Canyon, near Opal City, OR StreamFlow about 120 cfs blw 25<sup>th</sup> percentile

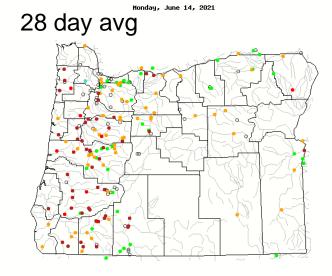
USGS Update on Surface Water Conditions Carrie Boudreau & Marc Stewart Photos Amarys Acosta Oregon Water Science Center

### **Streamflow Conditions**





Oregon Streamflow Maps (as compared to Historical Record)

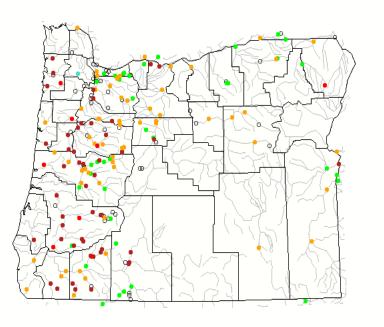


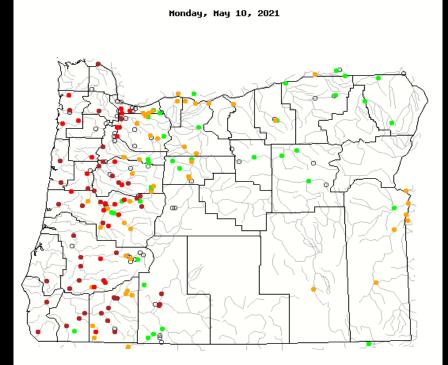


### **Streamflow Conditions**

#### 28-day Average Streamflow (as compared to Historical Record)

Monday, June 14, 2021

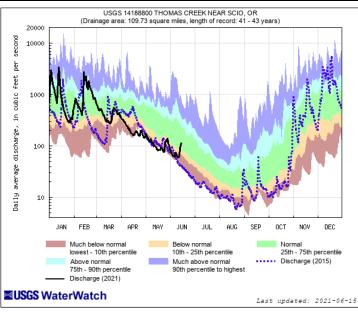


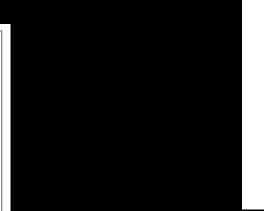


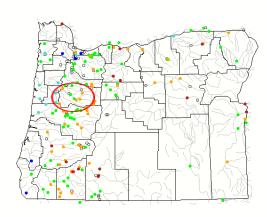


Explanation - Percentile classes								
•		•	•			•	0	
Low	<10	10-24	25-75	76-90	>90	Llinh	Not-ranked	
	Much below normal	Below normal	Normal	Above normal	Much above normal	High		

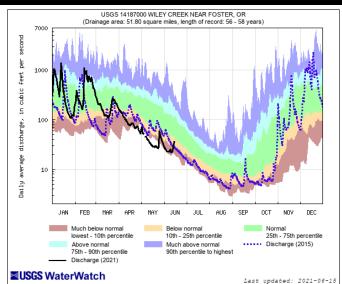
### **Linn County**

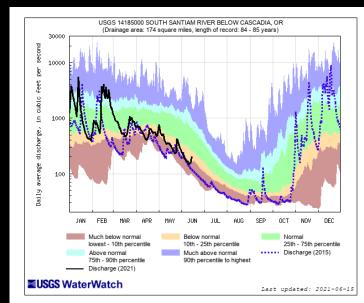






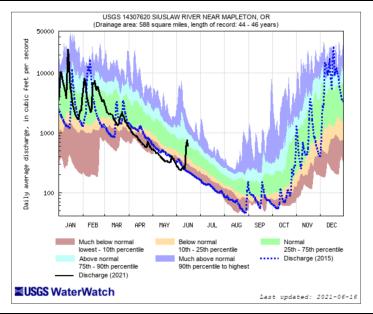
Explanation - Percentile classes							
Explanation - Percentile classes							
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow		
Much below normal	Below normal	Normal	Above normal	Much above normal			

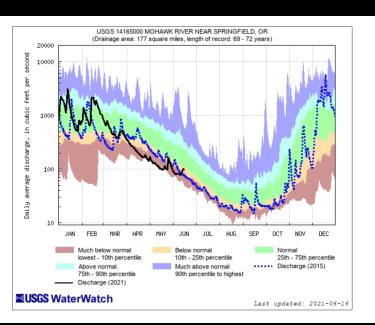


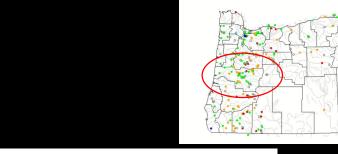




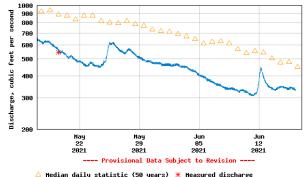
## Lane County



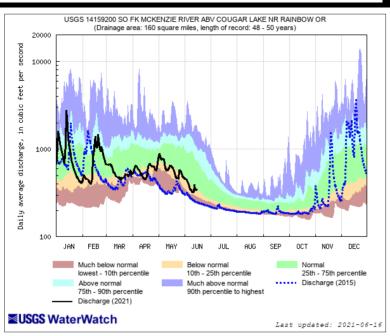




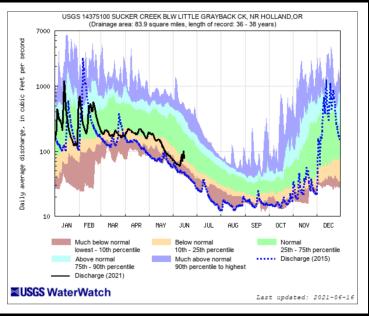
USGS 14159200 SO FK MCKENZIE RIVER ABV COUGAR LAKE NR RAINBON OR

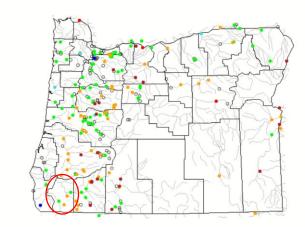


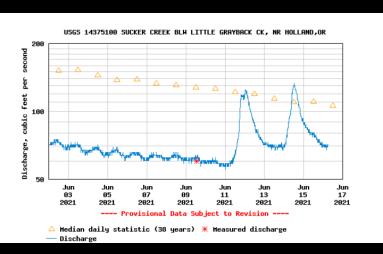


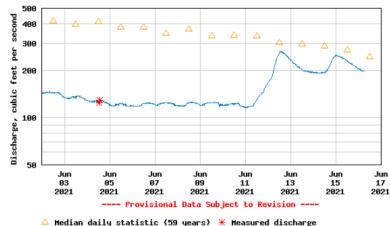


### **Josephine County**







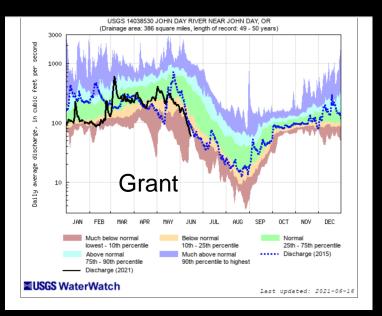


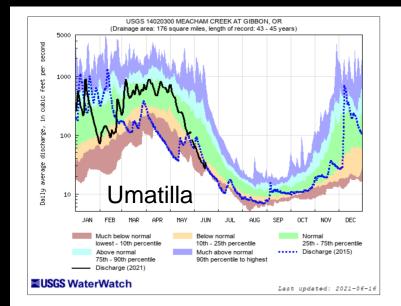
USGS 14377100 ILLINOIS RIVER NEAR KERBY, OR

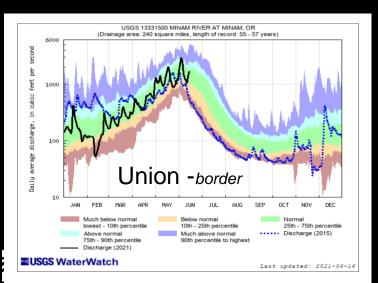
— Discharge

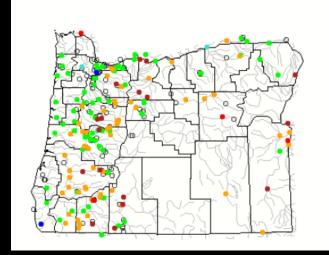


# Eastern OR

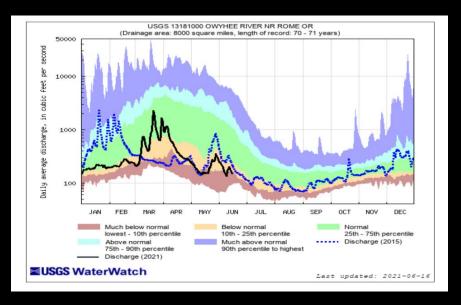


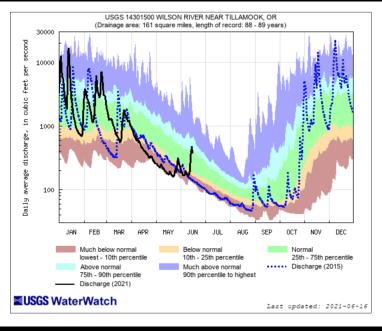


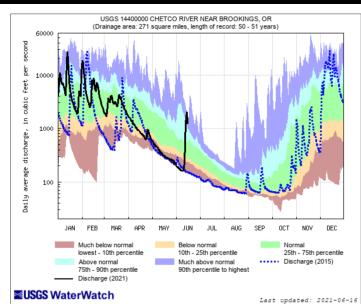




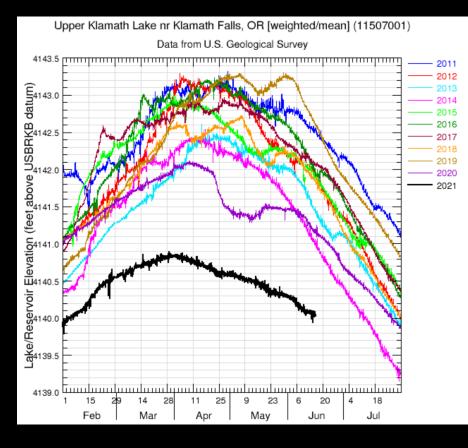
#### **Coastal and Eastern OR**





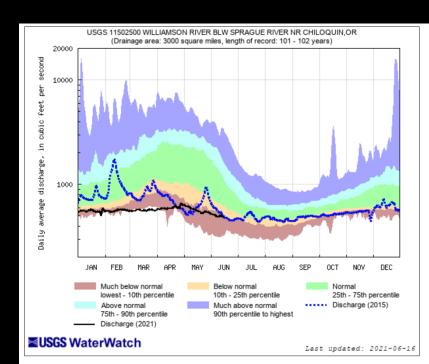


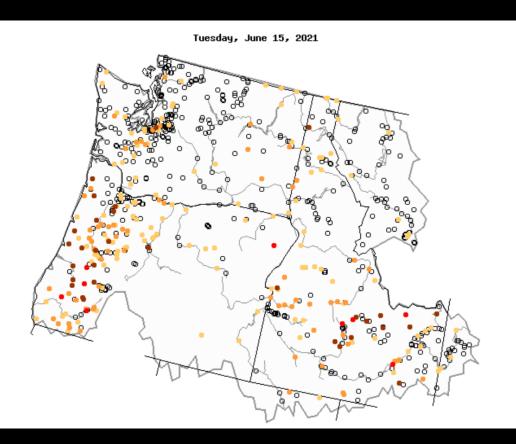




#### **Klamath Lake**







Map of below normal 28-day average streamflow compared to historical streamflow for the day of year (Pacific Northwest an)

Explanation - Percentile classes							
			•	0			
New low	<=5	6-9	10-24	Not ranked			
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal				



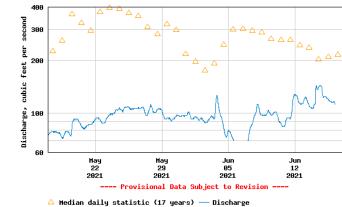
	NRCS	Monthly mean discharge Cubic Percent		in dis- charge from	Accumulated Runoff For the Period Oct. to May	
Station	SWSI Basin	feet per second	of	month (percent)	Percent of average	
Donner Und Blitzen nr Frenchglen	Harney	225	55	56	56	
(*)Deep Creek above Adel	Lake County	105	24	-9	25	
(*)Chewaucan River near Paisley	Lake County	122	24	-27	35	
Williamson River near Chiloquin	Klamath	572	36	- 5	46	
Owyhee River near Rome	Owyhee	207	10	-61	24	
(*)NF Malheur River near Beulah	Malheur	191	57	-17	59	
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	5,550	80	-8	86	
Umatilla River nr Gibbon	Umatilla Lower John Day	468	102	- 20	103	
John Day River at Service Crk	Upper John Day	2,740	53	-23	56	
(*)Little Deschutes River nr LaPine	Upper Deschutes	127	40	40	46	
Hood River nr Hood River	Lower Deschutes Mt.Hood	869	76	6	87	
Willamette River at Salem	Willamette	9,690	49	-21	84	
Wilson River near Tillamook	North Coast	223	37	-53	105	
Umpqua River near Elkton	Rogue/Umpqua	2,200	34	- 39	67	
Rogue River near Agness	Rogue/Umpqua	2,430	45	2	59	
SF Coquille River at Powers	South Coast	89	20	-72	85	
Chetco River near Brookings	South Coast	440	31	-62	81	

All data should be considered provisional and subject to revision. Percent of average computed using 30-year base period, water years 1981-2010. (\*) provided by Oregon Water Resources Department





USGS 14087380 CROOKED RIVER BLW OSBORNE CANYON, NR OPAL CITY, OR



≈USGS

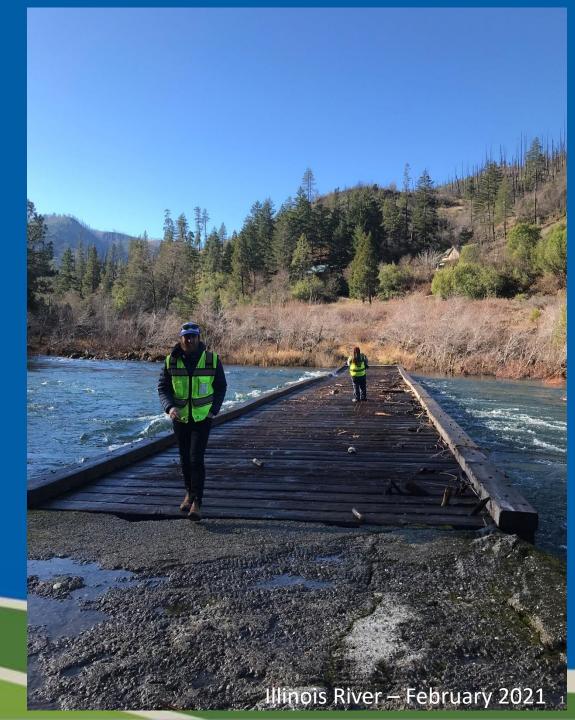
#### Water Supply Availability Committee

#### OREGON

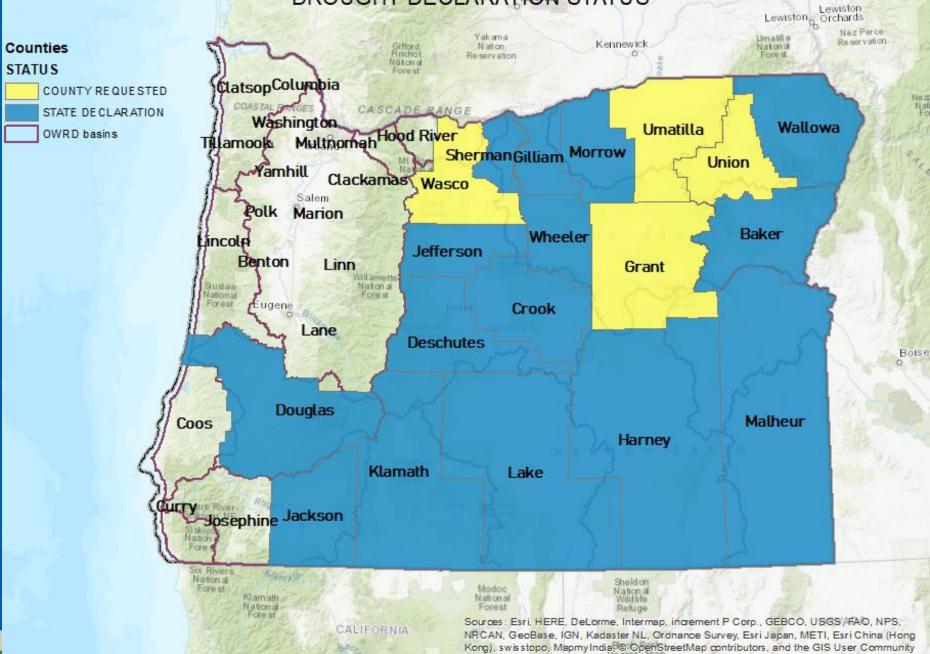


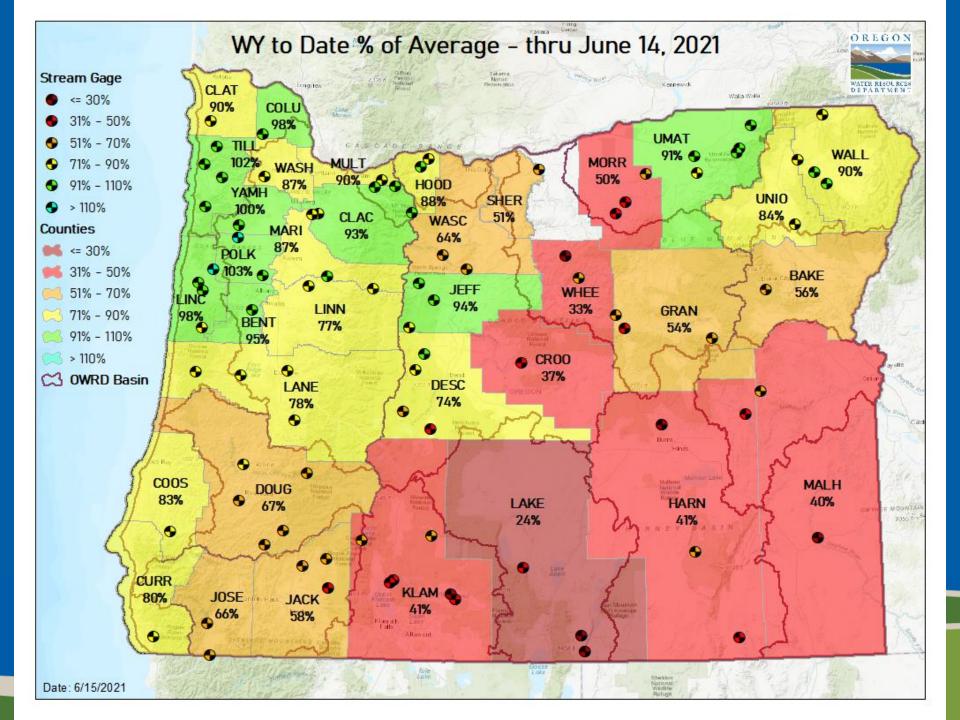
D E P A R T M E N T

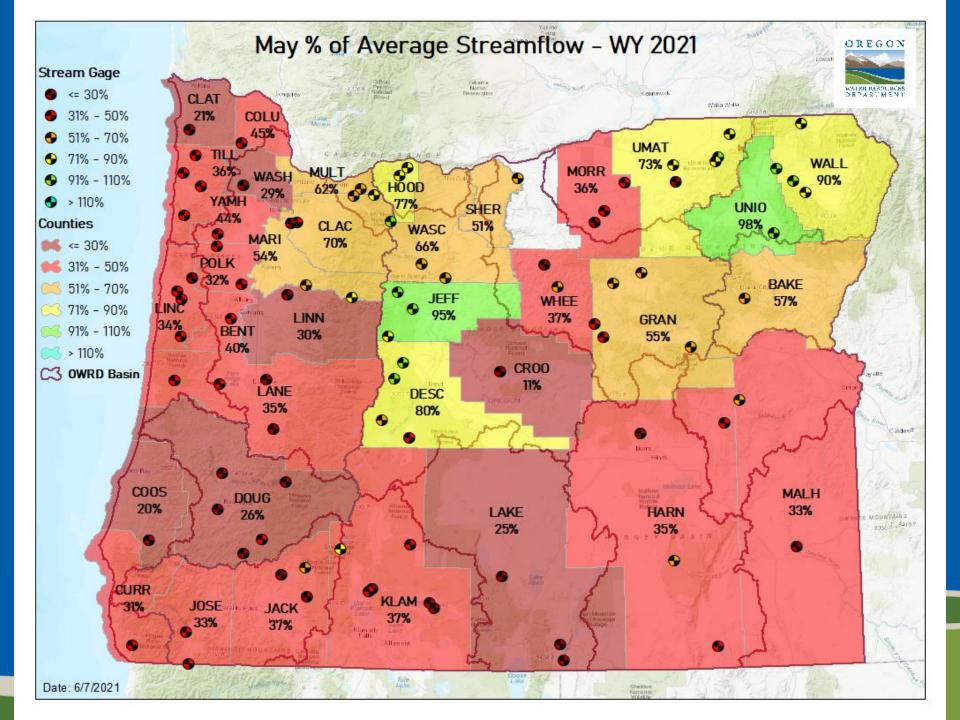
Ryan Andrews Oregon Water Resources Department June 16<sup>th</sup>, 2021

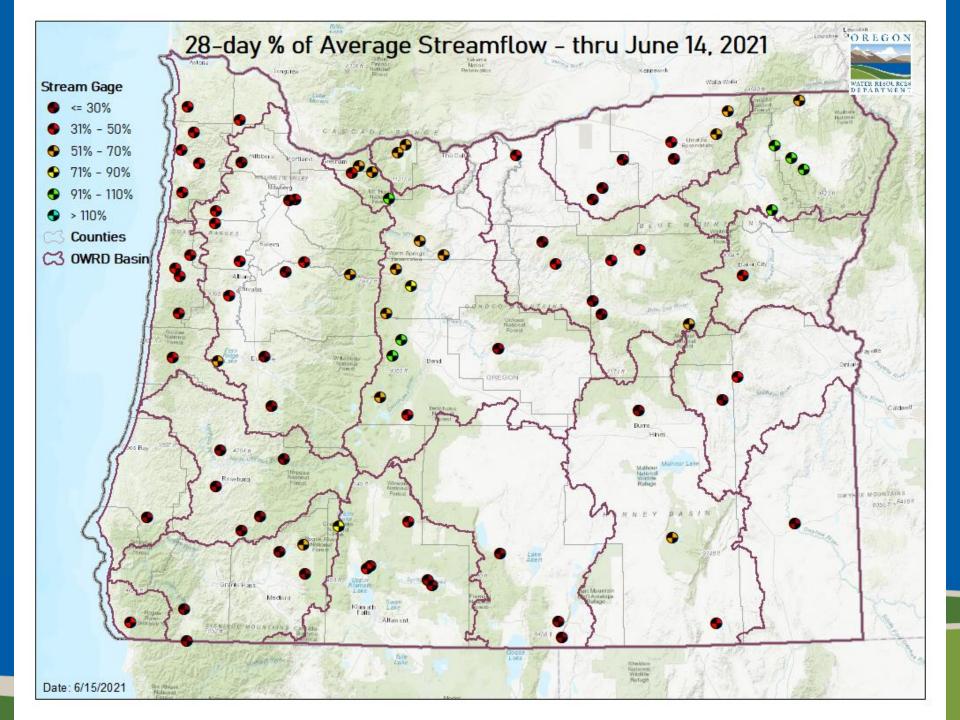


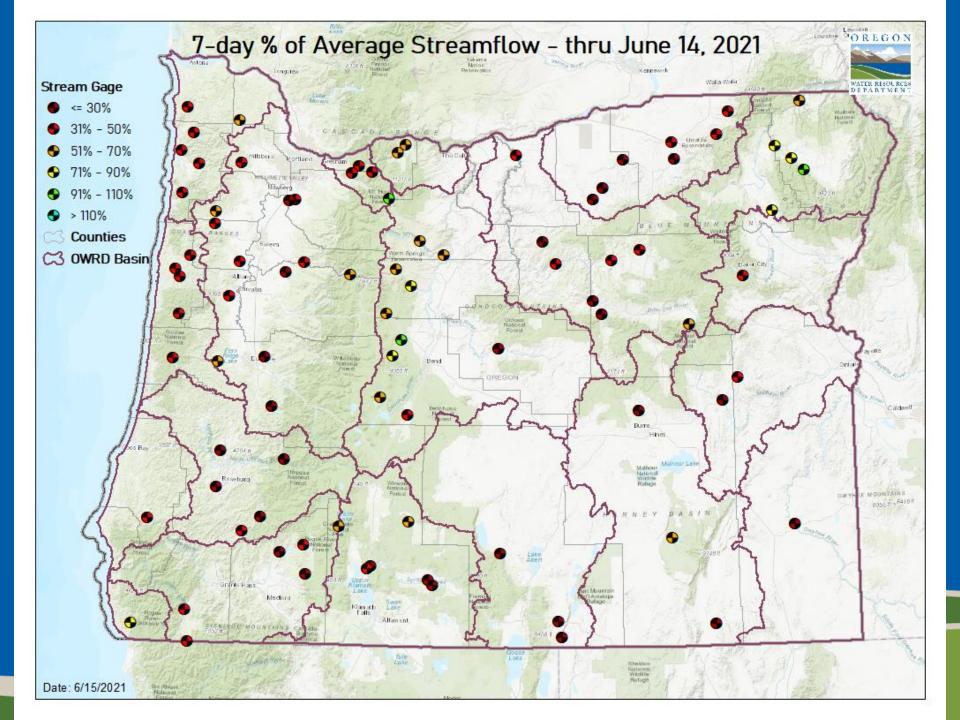
#### DROUGHT DECLARATION STATUS





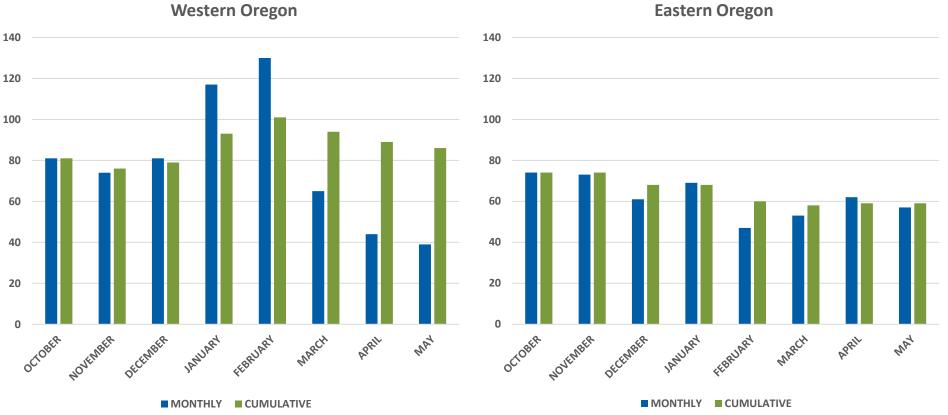


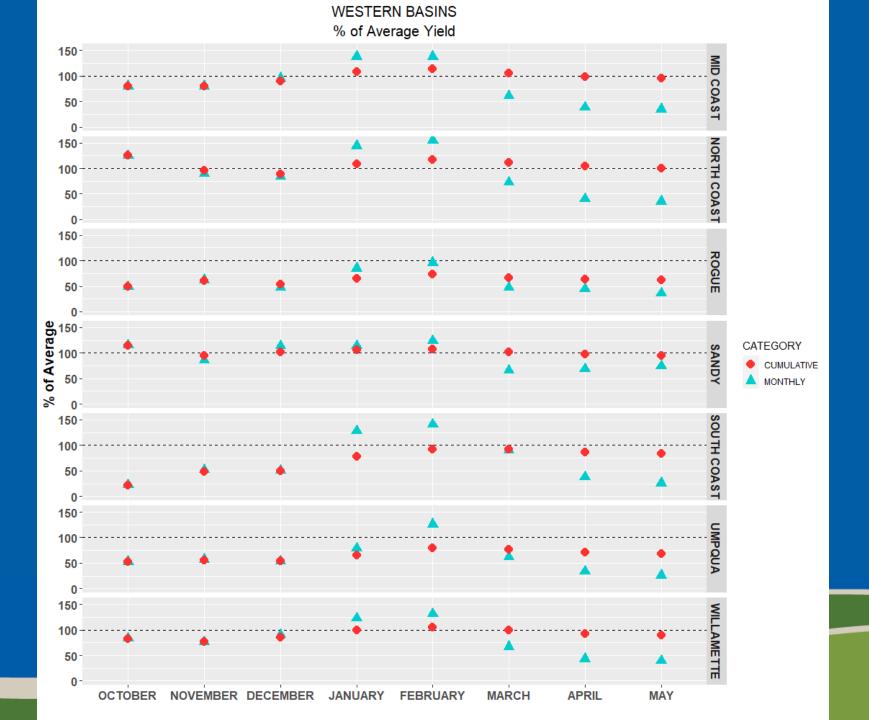


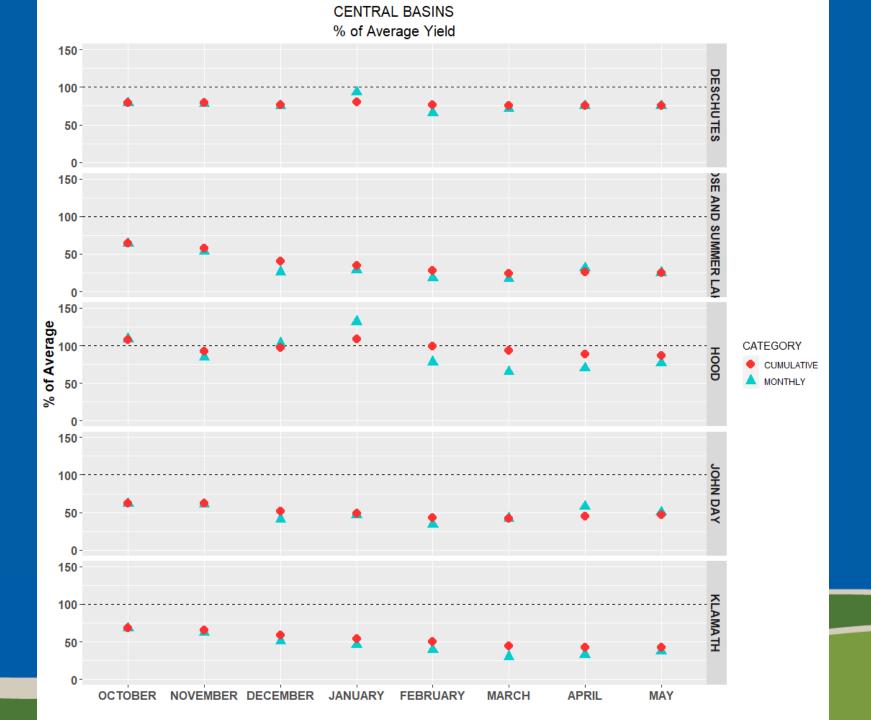


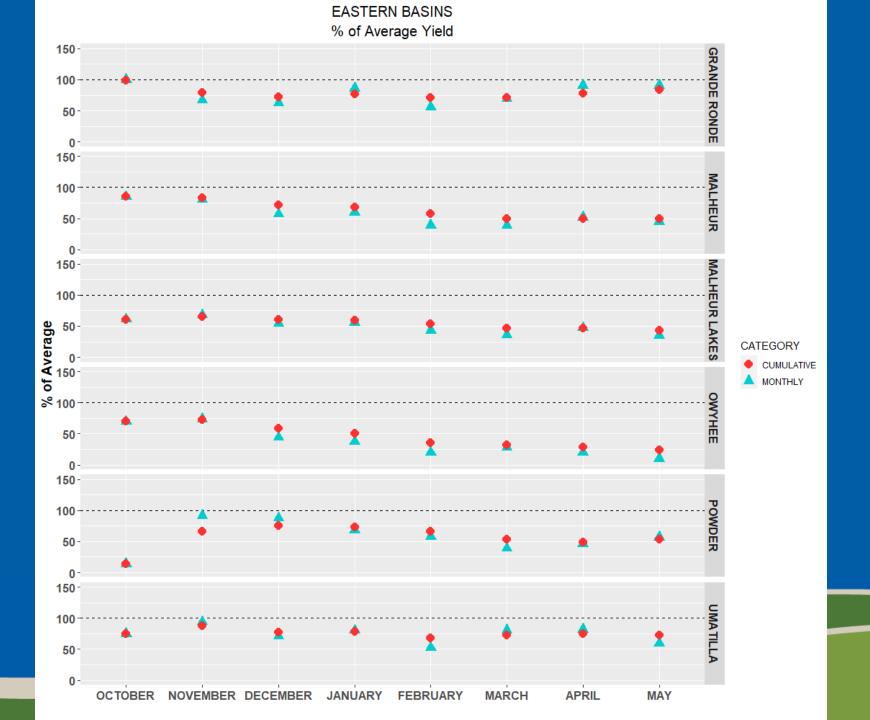
#### % of Average Streamflow thru May Base period: 1981 – 2010

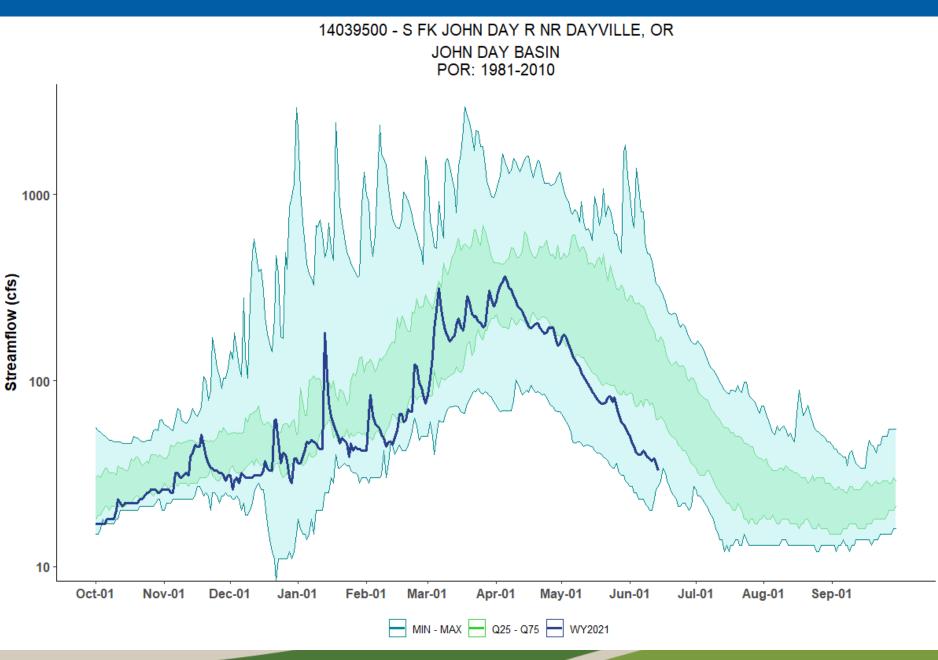




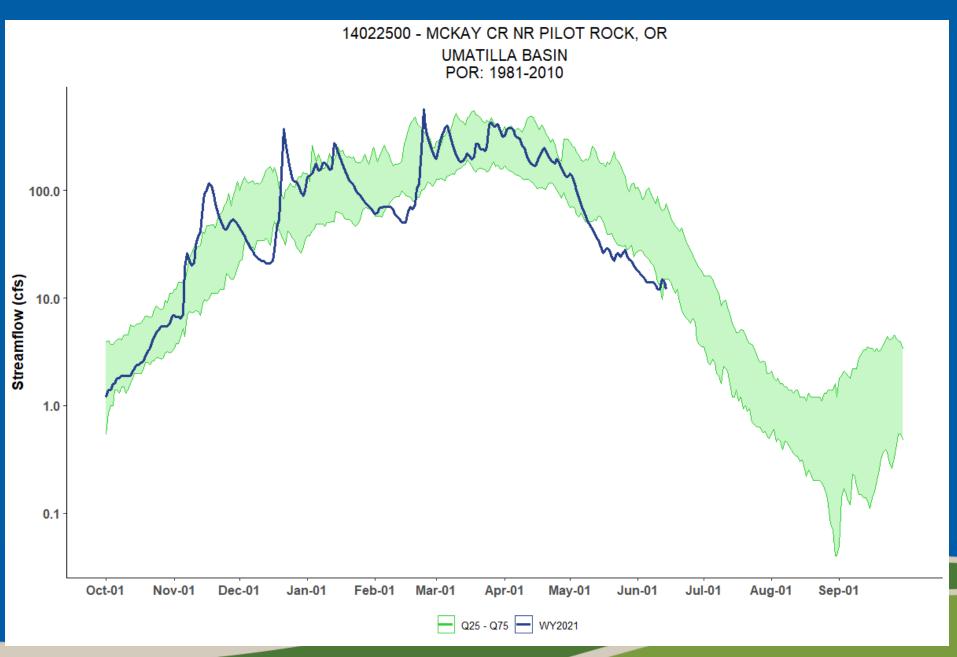




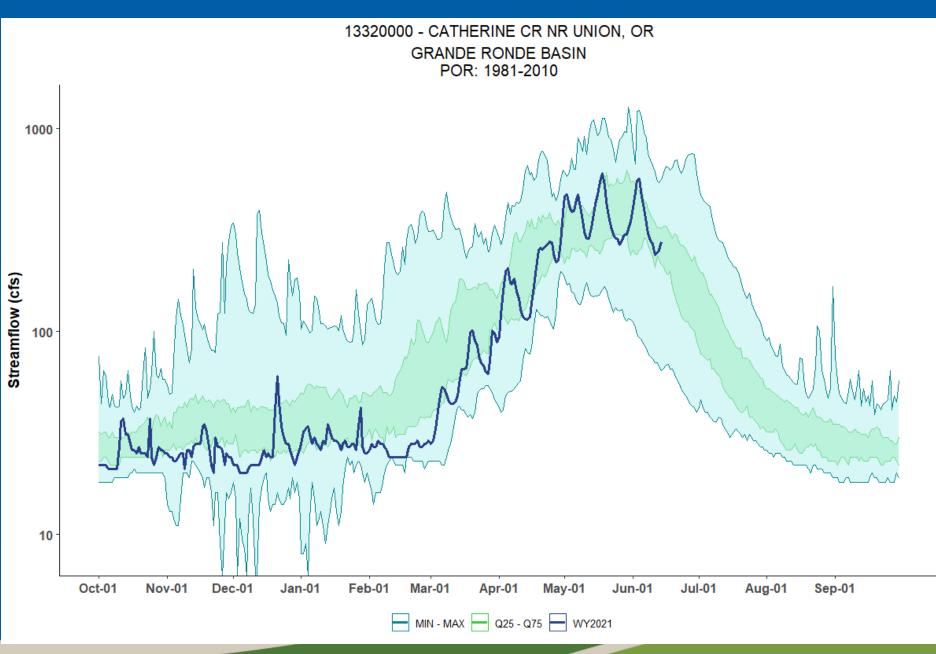




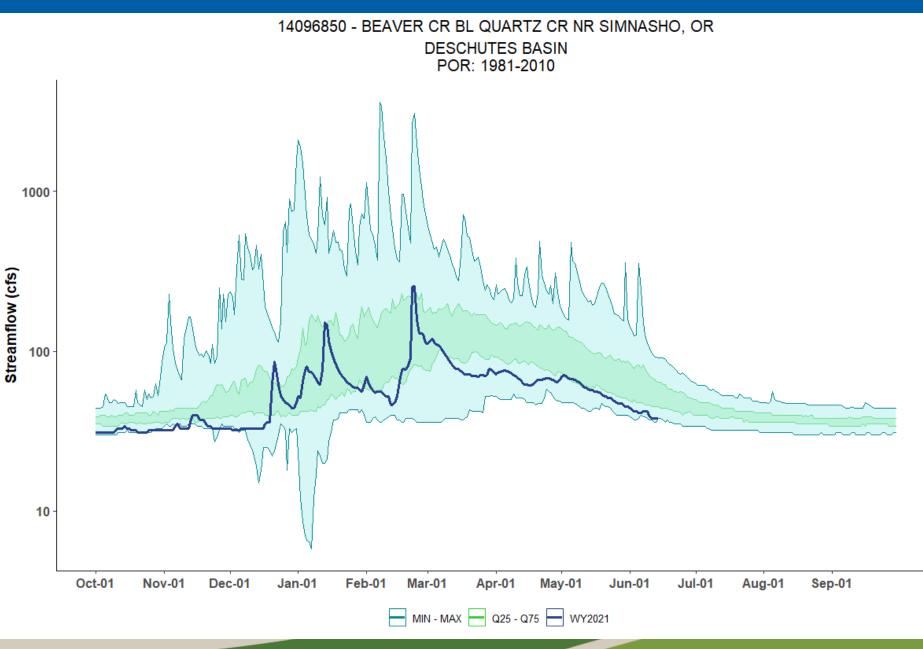
#### **GRANT COUNTY**



#### **UMATILLA COUNTY**



**UNION COUNTY** 



WASCO COUNTY



#### OREGON



WATER RESOURCES D E P A R T M E N T

## **QUESTIONS?**

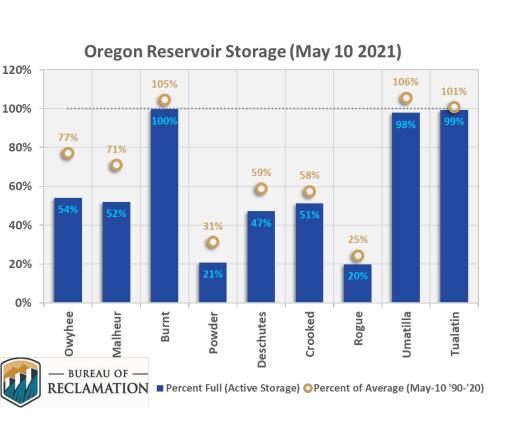


# **Reclamation Storage Update**

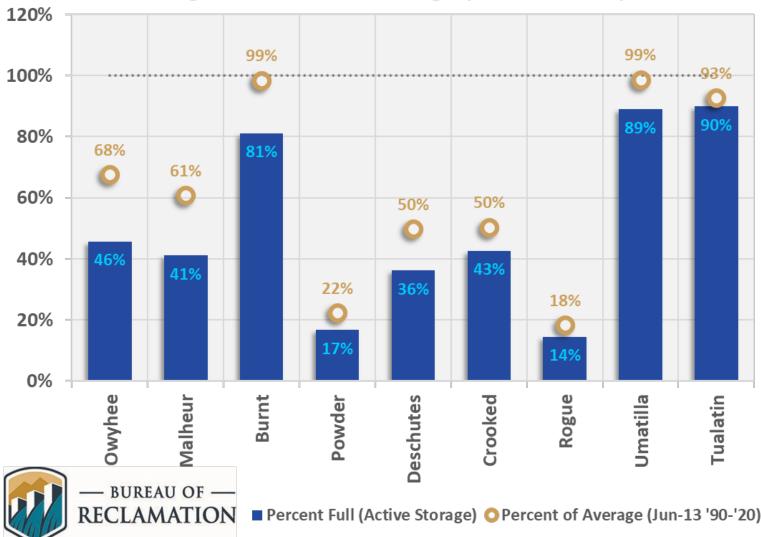
Oregon Water Supply Availability Committee Meeting

May 16, 2021

# **Reservoir Storage Conditions**



#### **Oregon Reservoir Storage (Jun 13 2021)**

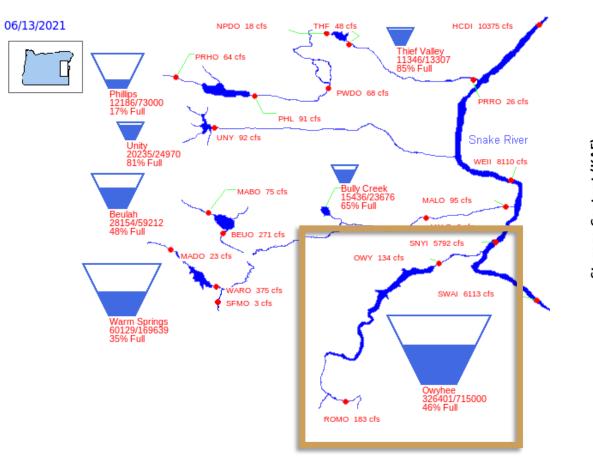


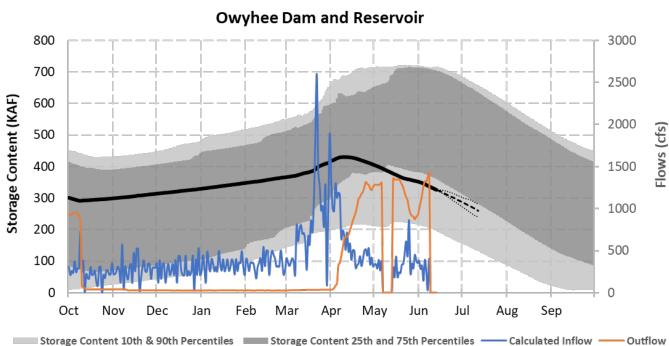
# **Basin Operations Summary**

- Operations Activities:
  - All Reclamation river basins delivering irrigation water
- Water Supply Challenges
  - Extremely dry conditions persist -- high irrigation demands persist
  - Rogue: Deliveries started late May, likely out of water in late July or early August
  - Crooked: Enacting a conservation measure on the newly established Habitat Conservation Plan to save water for minimum winter flow targets
  - Highly likely carry-over problems to start the next WY for Owyhee, Malheur, Powder, Deschutes, Crooked, & Rogue



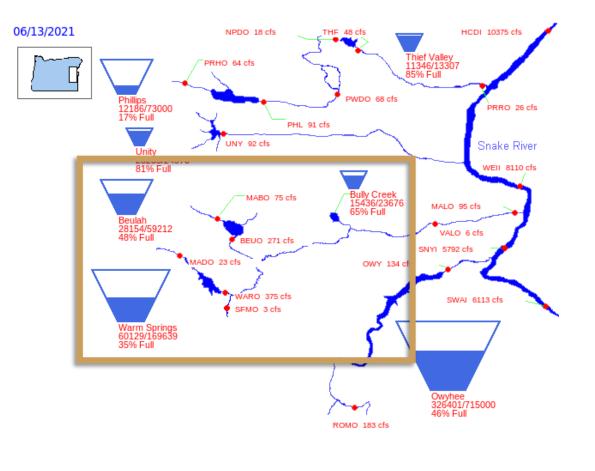
# **Owyhee River Basin**

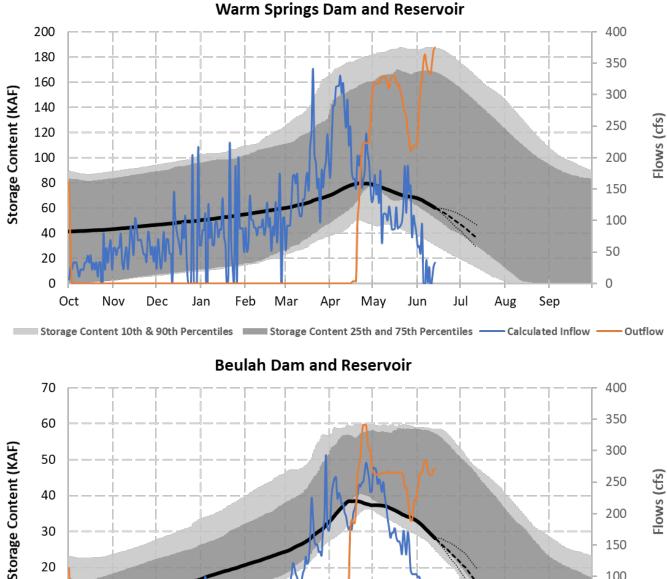


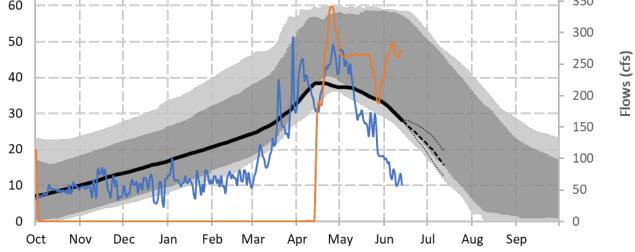




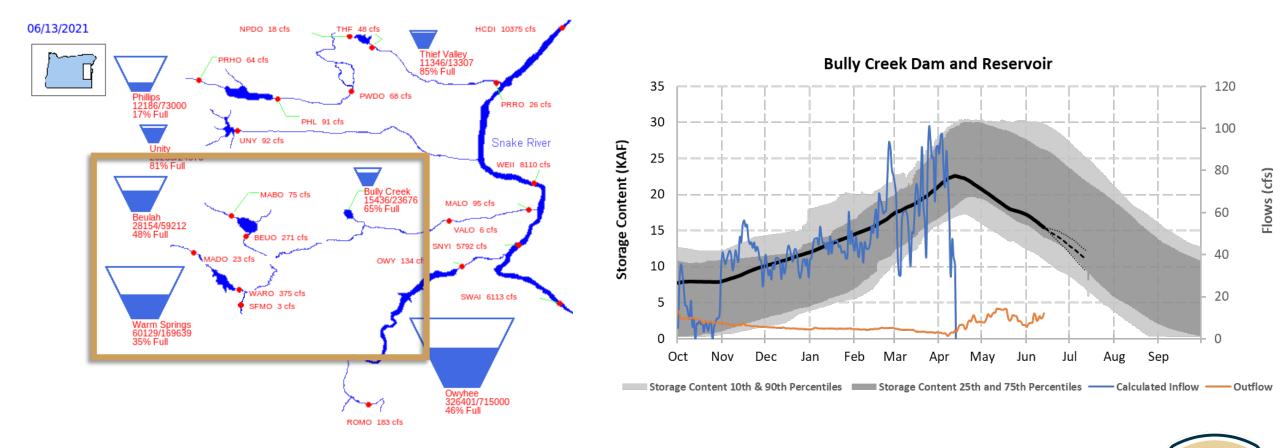








# **Malheur River Basin**





120

100

80

60

40

20

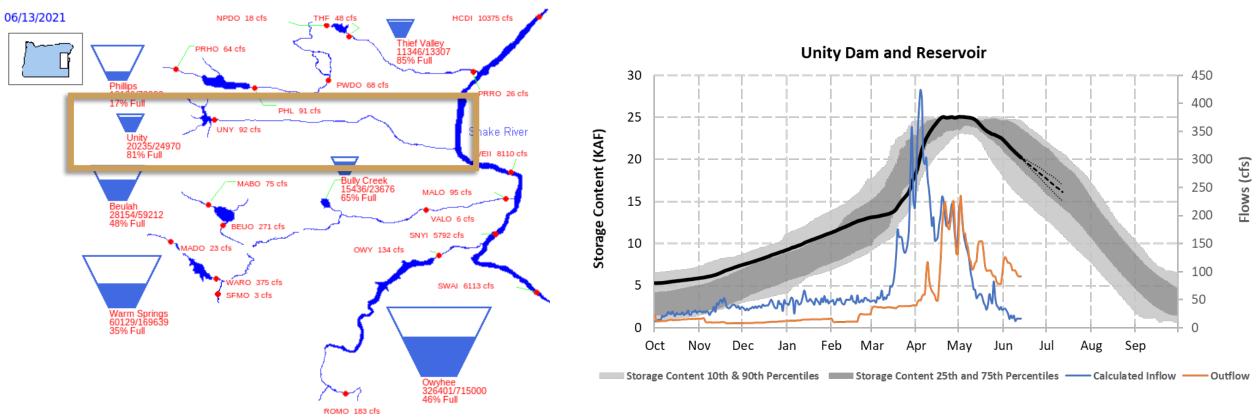
0

Aug

Sep

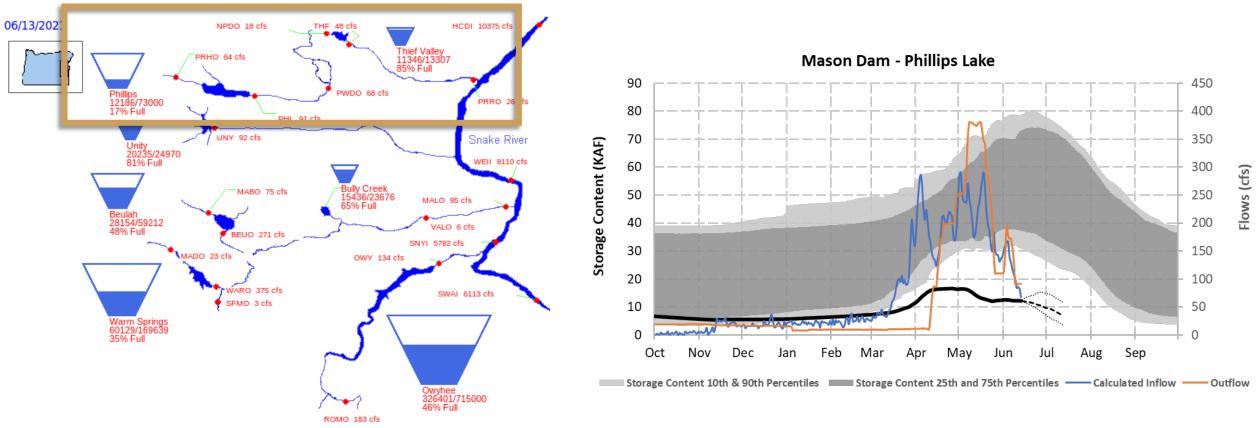
Flows (cfs)

## **Burnt River Basin**

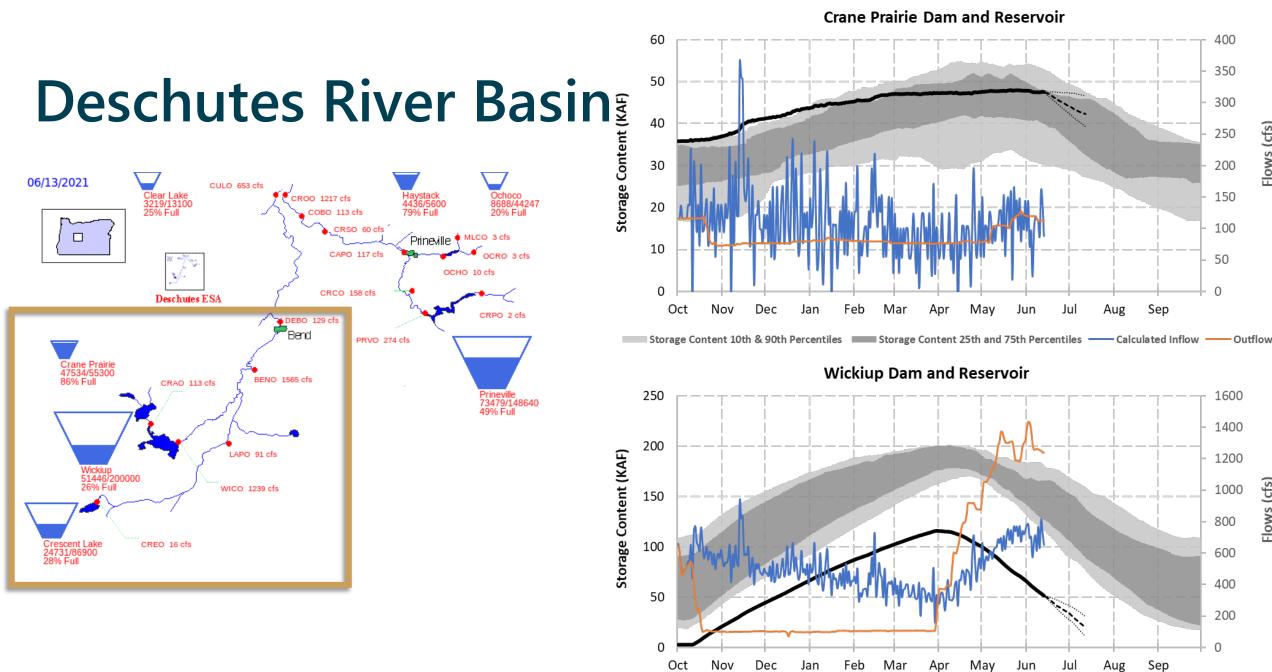




## **Powder River Basin**



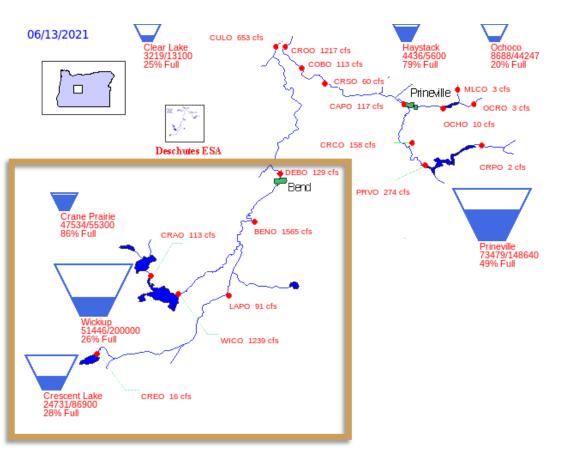


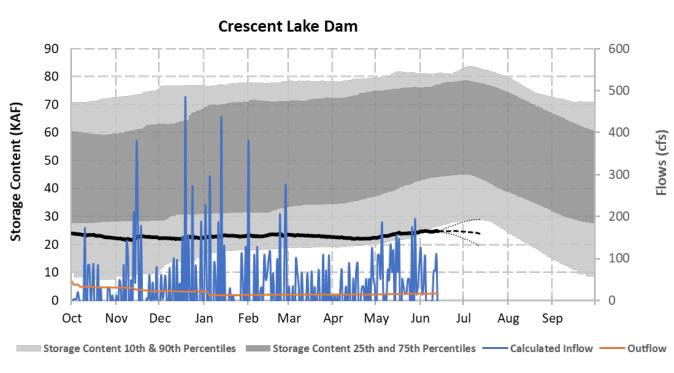


Flows (cfs)

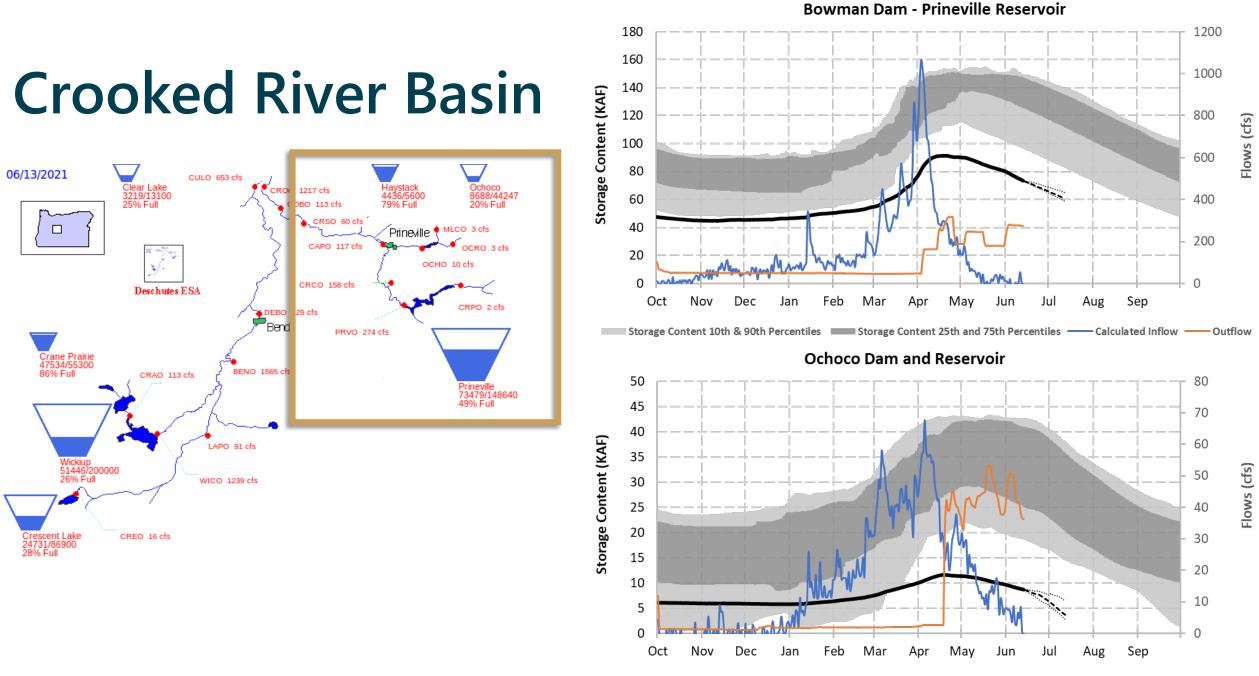
Flows (cfs)

# **Deschutes River Basin**



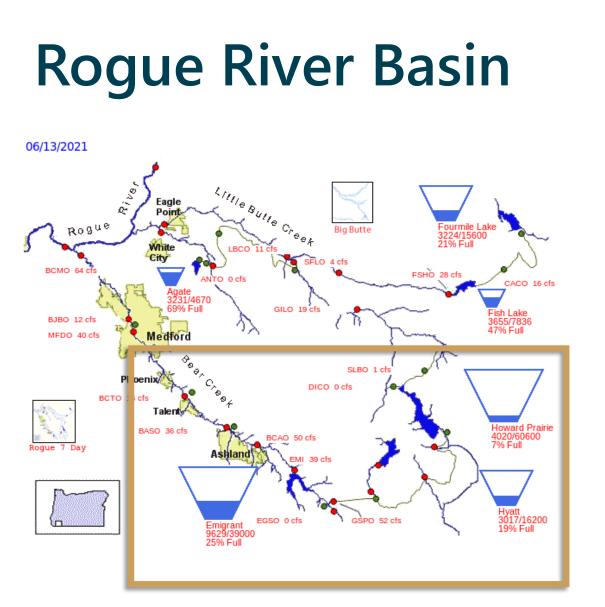


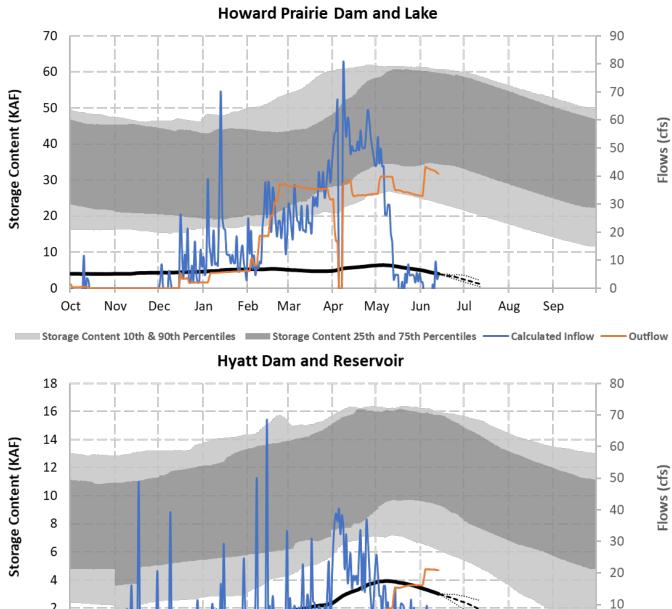




\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles Calculated Inflow Outflow





\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles Calculated Inflow - Outflow

Apr

May

Jun

Jul

Aug

Sep

0

2

0

Oct

Dec

Jan

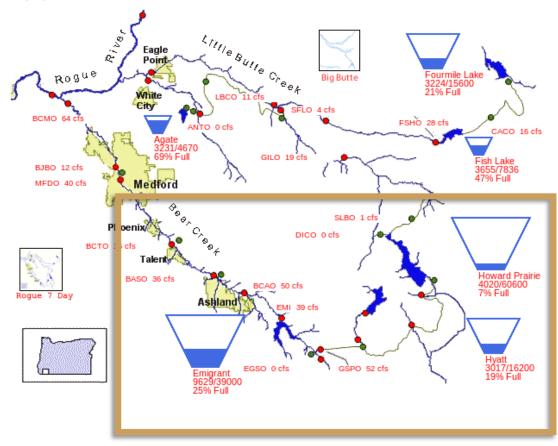
Feb

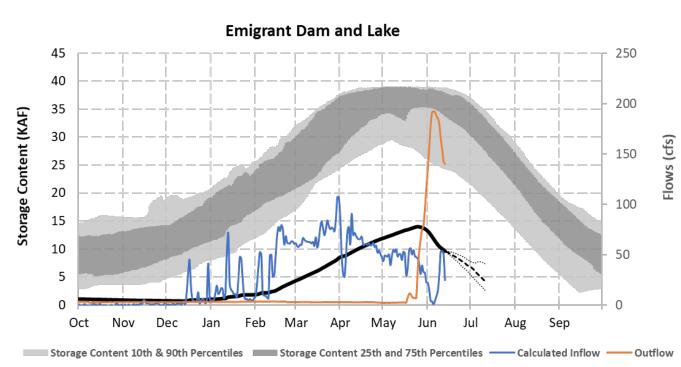
Mar

Nov

# **Rogue River Basin**

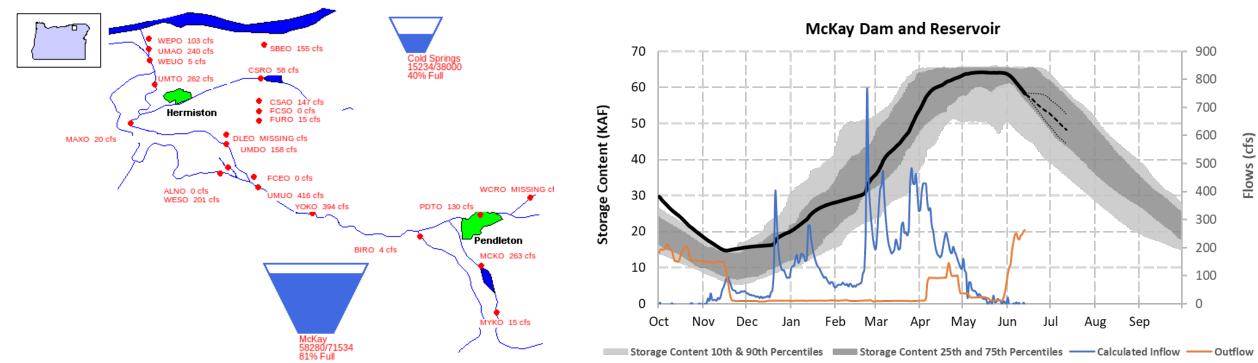
06/13/2021





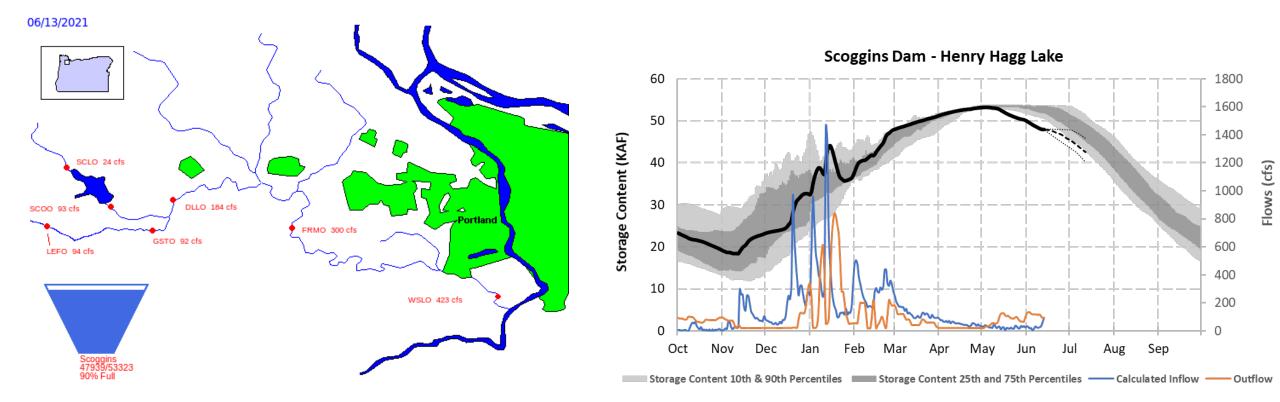
## **Umatilla River Basin**

06/13/2021





## **Tualatin River Basin**





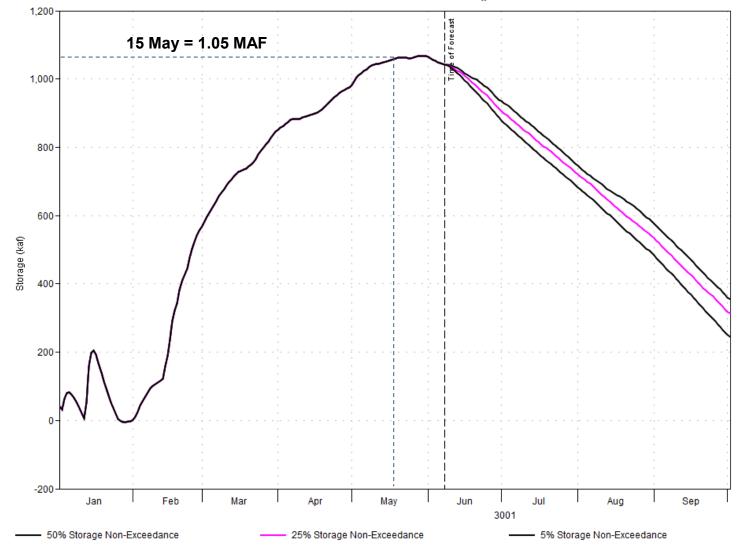
Jon Rocha – Columbia Pacific Northwest Regional Office jrocha@usbr.gov 208.378.6213





### SYSTEM STORAGE

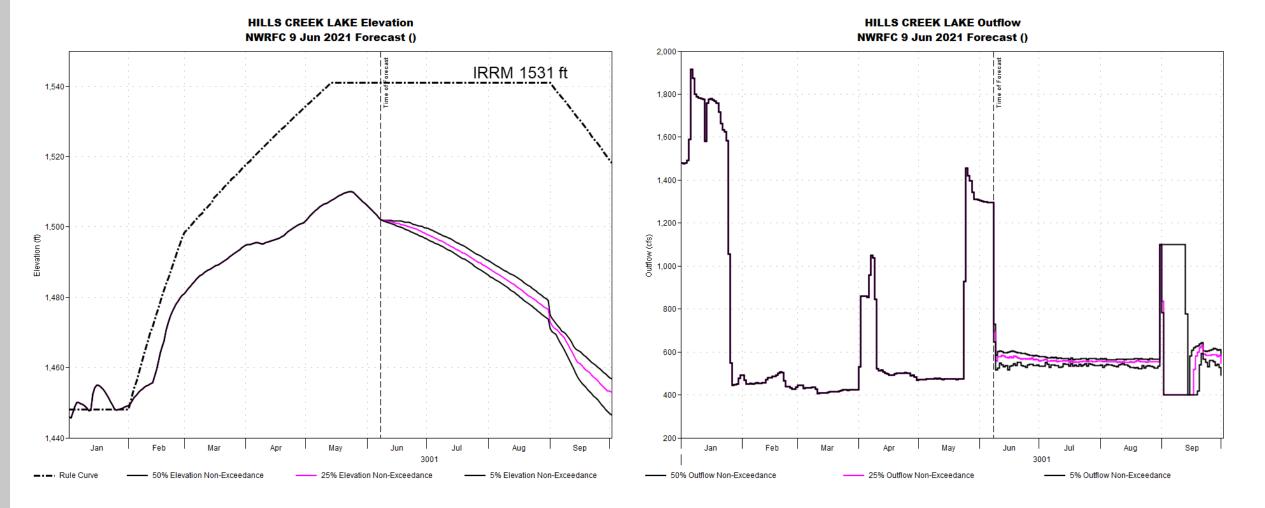
Total System Storage NWRFC 9 Jun 2021 Forecast ()





### **HILLS CREEK**

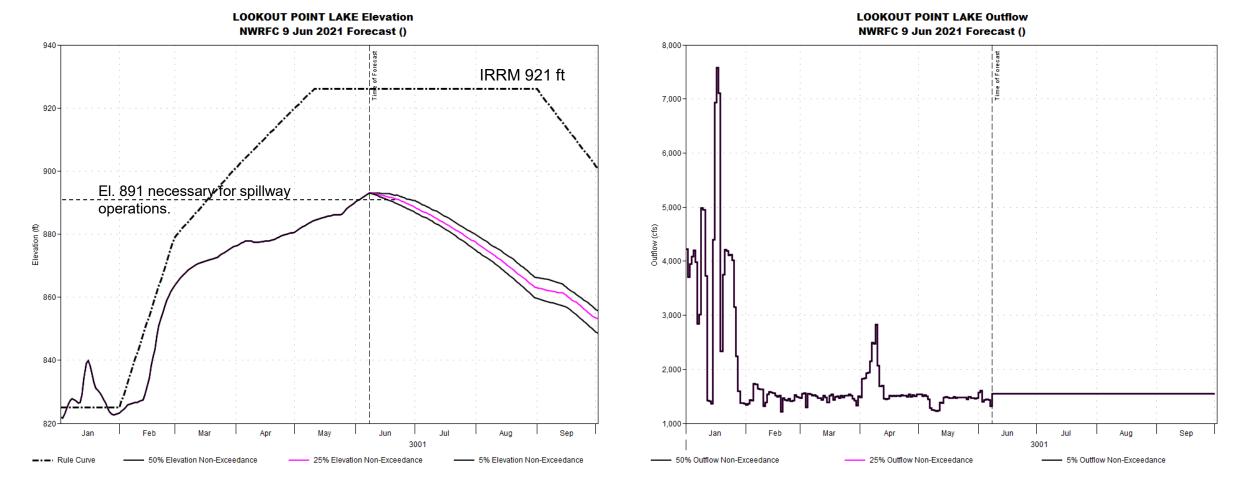






### LOOKOUT POINT

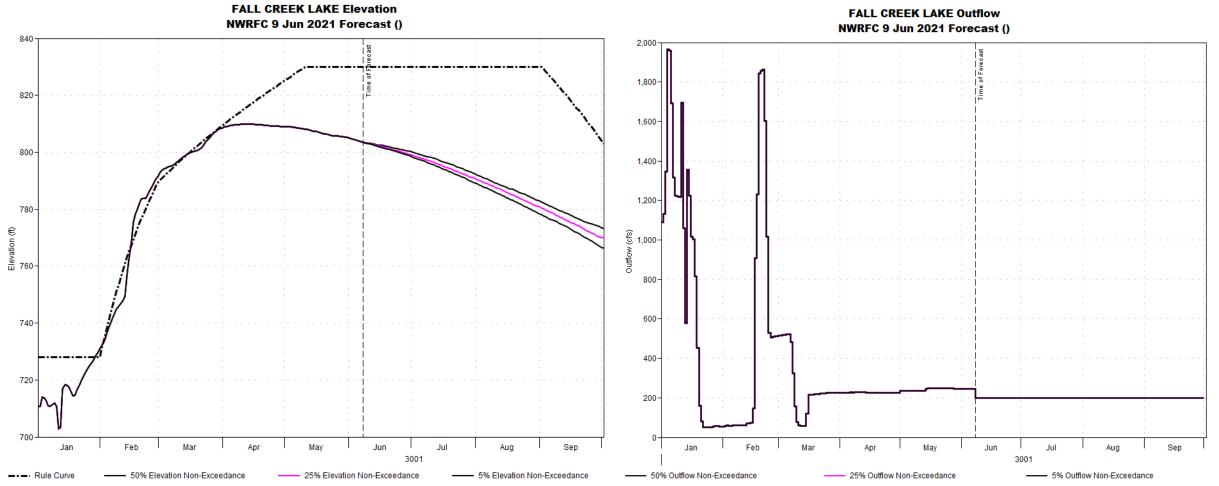






#### **FALL CREEK**

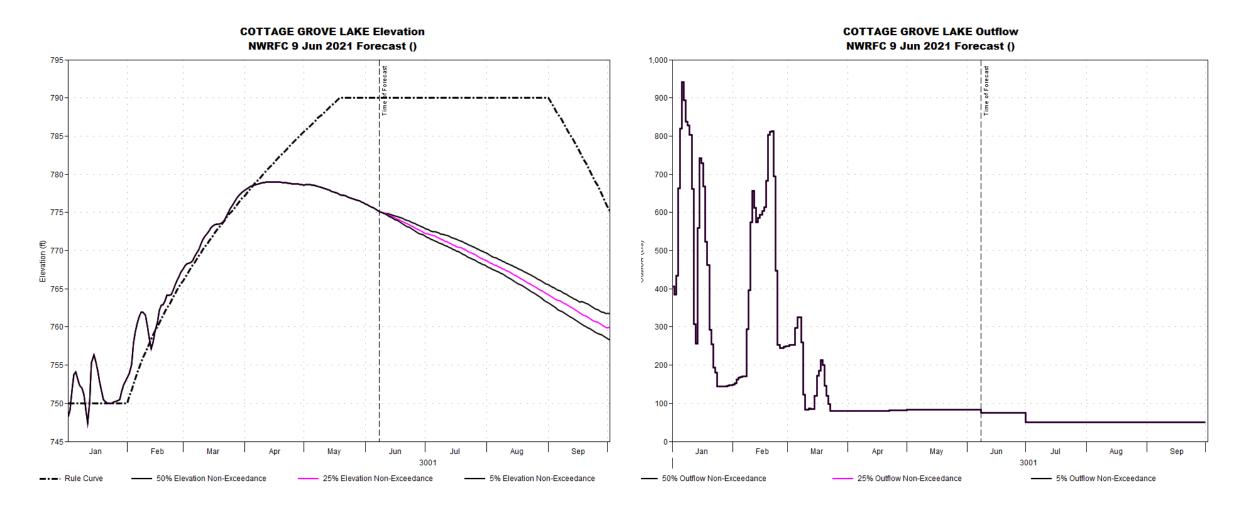






### **COTTAGE GROVE**

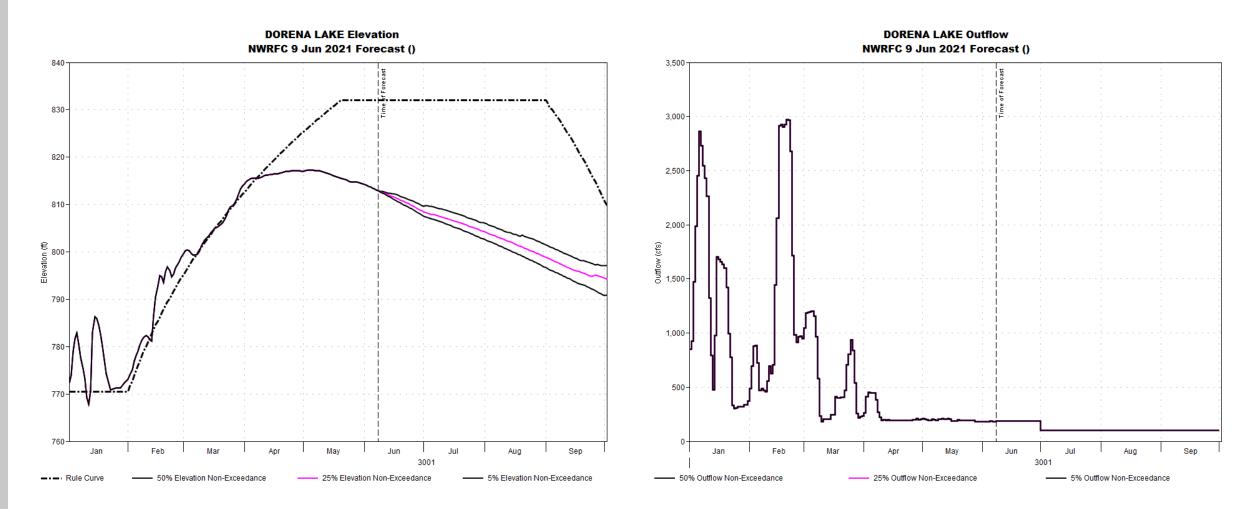














Elevation (ft)

---- Rule Curve

\_\_\_\_

### **FERN RIDGE**



Sep

FERN RIDGE LAKE Elevation FERN RIDGE LAKE Outflow NWRFC 9 Jun 2021 Forecast () NWRFC 9 Jun 2021 Forecast () 3,000 2,500-370 2,000-365 (st) 1,500-wolffino 360-1,000-500-355 0 Feb May Feb Mar May Jul Sep Mar Apr Jun Jul Aug Jan Apr Jun Aug Jan 3001 3001 ------ 50% Elevation Non-Exceedance - 25% Elevation Non-Exceedance ------ 5% Elevation Non-Exceedance ------ 50% Outflow Non-Exceedance ----- 25% Outflow Non-Exceedance ------ 5% Outflow Non-Exceedance







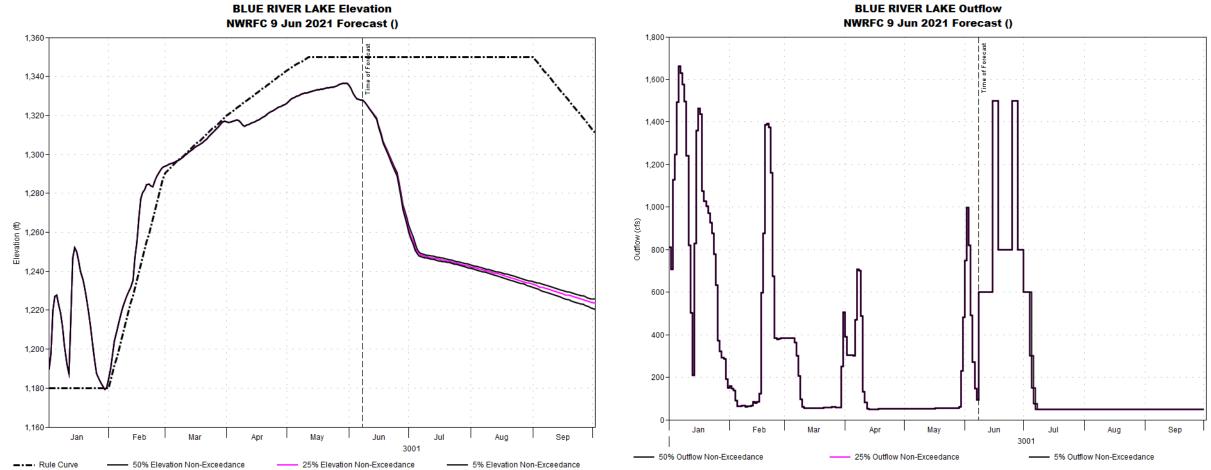
**COUGAR LAKE Elevation COUGAR LAKE Outflow** NWRFC 9 Jun 2021 Forecast () NWRFC 9 Jun 2021 Forecast () 1,700 1,680 2,000-1,660 1,640 1,500-1,620 Elevation (II) 1,600 ow (cfs) Outfl 1,000 1,580 1,560 500-1,540 1,520 Feb May Jun Jul Sep May Jun Sep Jan Mar Apr Aug Jan Feb Apr Jul Aug 3001 3001 50% Elevation Non-Exceedance ------ 50% Outflow Non-Exceedance ---- Rule Curve 25% Elevation Non-Exceedance 5% Elevation Non-Exceedance 25% Outflow Non-Exceedance

Short duration pulses in June. Maintain BiOp minimum flows after.



### **BLUE RIVER**



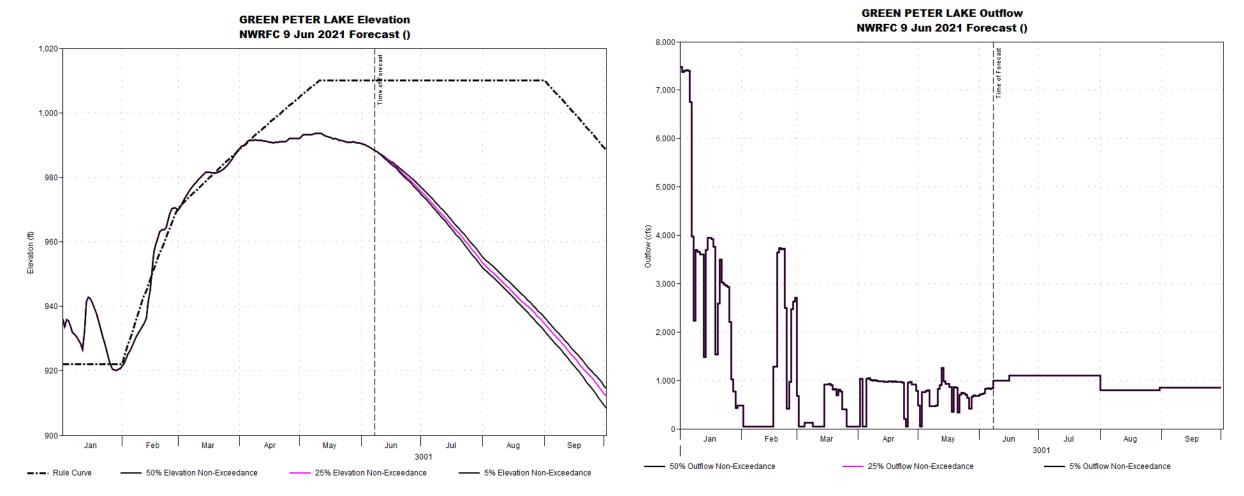


Short duration pulses in June. Maintain BiOp minimum flows after.



### **GREEN PETER & FOSTER**



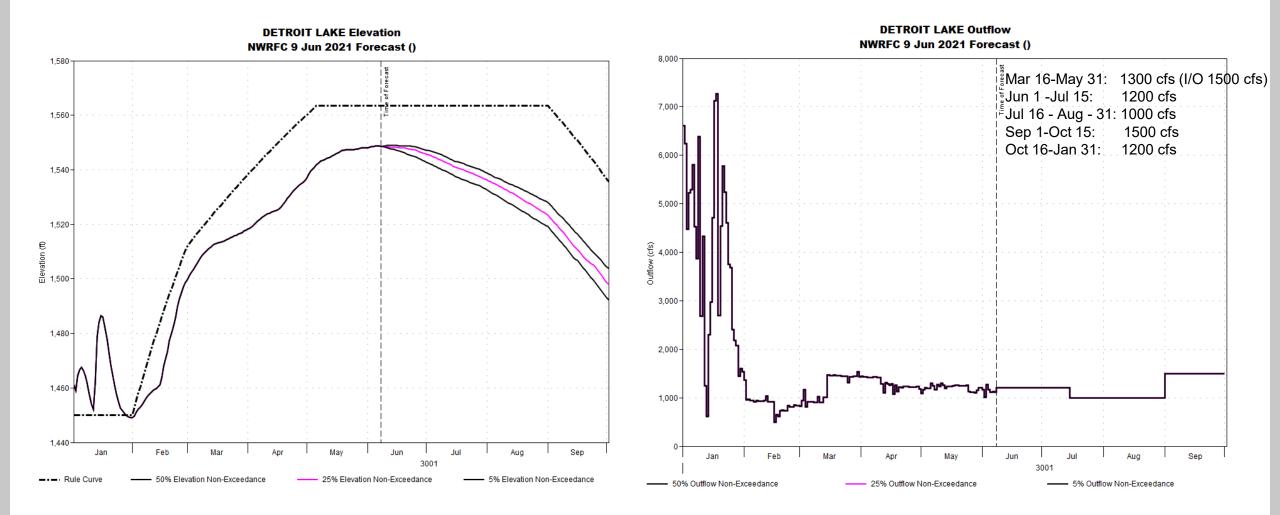


1,000 cfs 16 May – 15 June (I/O BiOp 1,100 cfs).
1,100 cfs 16 June – 31 July (fish weir in operation for warm surface water spill, 300 cfs > BiOp).
800 cfs 1 Aug – 31 Aug (BiOp).
1,100 cfs 1 Sept – 15 Oct (I/O BiOp 1,500 cfs).









## Water Supply Availability & Drought Readiness June 16, 2021

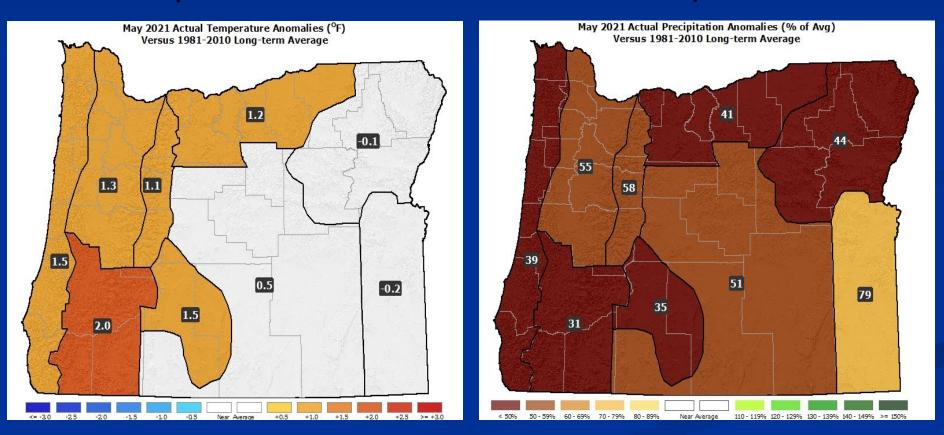
Contact: Pete Parsons, Lead ODF Meteorologist 503-945-7448 or <u>peter gi parsons@oregon.gov</u>

P. Parsons

## May 2021 Actual Departures From Average

#### Temperatures

#### Precipitation

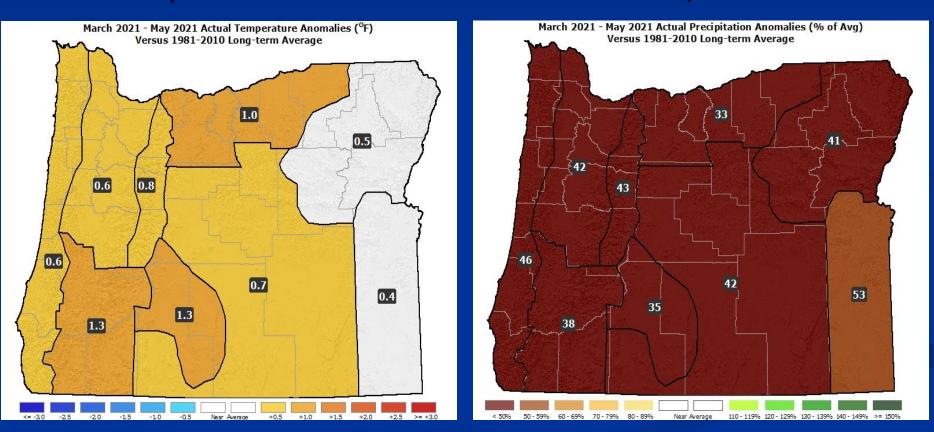


Data courtesy of the National Centers for Environmental Information (NCEI)

## March – May 2021 Actual Departures From Average

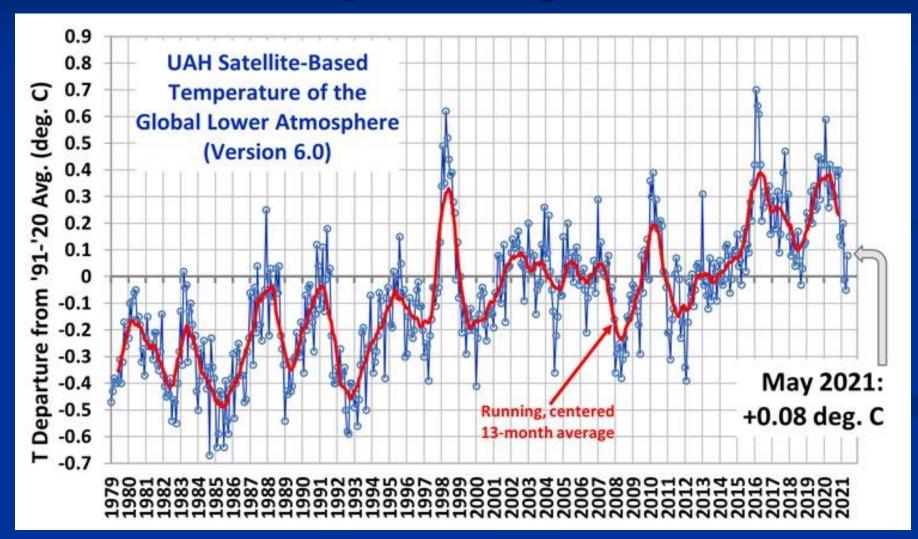
#### Temperatures

#### Precipitation



Data courtesy of the National Centers for Environmental Information (NCEI)

## May 2021 La Niña Drops Global Temperature (short-term drop...warming trend still intact)



#### Recent Atmospheric River Event Drops Significant Fire Potential (short-term event)



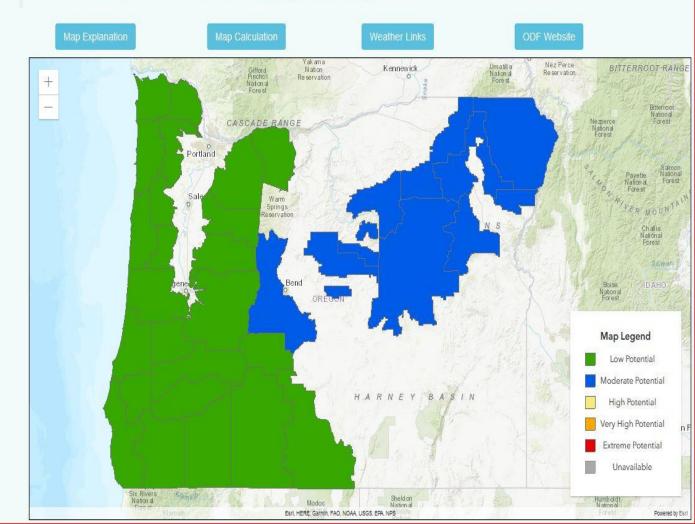
#### ODF Significant Fire Potential

Monday, June 14, 2021 Indices for 2100 UTC (1300 PST, 1400 PDT)

FDRA - Fuel Moisture & NFDRS Indices FDRA - Fuel Moisture & NFDRS Graphs Ref SIGS & Stns - Fuel Moisture & NFDRS Indices Oregon NFDRS Indices -Selected RAWS Regional NFDRS Indices Forecast Graphs NFDRS Indices Forecasts -Selected RAWS NFDRS Daily Archive Listing Map Archive 1000 Hr Fuel Moisture Map 1000 Hr Fuel Moisture Map 

Build Weighted Average URL @

The ODF Significant Fire Potential Map displays ODF fire business thresholds indicating the potential for significant fires costing more than \$25K to occur. The map is not an adjective class rating or Fire Danger map, or a Regulated Use map. For Fire Danger maps try USFS WFAS Observed and Forecasted Fire Danger map products. For ODF Regulated Use and Industrial Fire Precaution Levels, please see the ODF Statewide Regulated Use Map.





#### Legend

#### Fire Environment (FEN) 4 levels

Minimal - The Overall Fire Environment suggests a very low	
	risk for Large fires (less than 1% chance)
Normal	- The Overall Fire Environment suggests a normal risk
	for large fires (1 - 4% chance)
Elevated	- The Overall Fire Environment suggests a moderately
	high risk for large fires (5 - 19% chance)
High Risk	The risk for large fire(s) is very high (≥ 20%)
	Triggers: 1. 💉 (Significant Lightning)
	2. BEN (Critical Burn Environment)

The assessment of the overall fire environment considers multiple factors including <u>weather</u>, <u>lightning amount</u> and <u>fuel dryness</u>. Large Fire probabilities are derived objectively via statistical methods. High Risk levels (≥ 20% probability of a large fire) are almost always due to significant lightning as burning conditions alone rarely result in a large fire probability much above about 10%.

#### Pacific Northwest 7 Day Significant Fire Potential

#### Tuesday, 6/15/2021

Predictive Service Wed Fri Areas vtd Today Thu Sat Sun Mon NW01 NW02 NW03 NW04 NW05 NW06 NW07 NW08 NW09 NW10 NW11 M NW12

<u>Fire Weather:</u> The upper low that has been over the eastern Pacific the last few days will move onshore today, bringing its final round of showers and thunderstorms along with increasing winds through Cascade gaps and to the east. Wednesday high pressure will build over the region starting a warm, dry, but calm period which will last at least into the weekend. A weak system could result in a bit of cooling and a maybe a chance of showers along the Canadian border over the weekend, but the warm weather should resume next week. Some weather models show thunderstorm chances returning early next week, but still a lot of uncertainty in that part of the forecast.

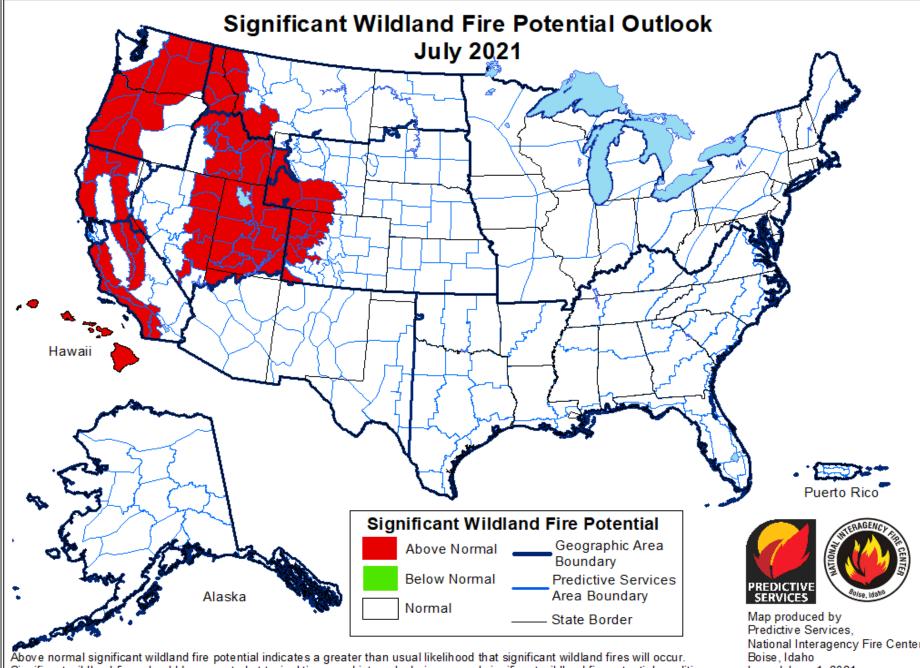
<u>Fire Potential</u>: Significant fire potential remains reduced due to the lower fire danger recorded over the last week. Breezy winds could spread fire in fine fuels in the east side basins this afternoon, although recent moisture should temper that risk. Recent lightning and potential for more this afternoon elevates the risk of ignitions and holdovers that may not become apparent until warmer and drier conditions set up in the latter half of the week. If thunderstorms occur early next week, significant fire potential will become elevated.

#### Preparedness Level:

Northwest: 1 National: 3

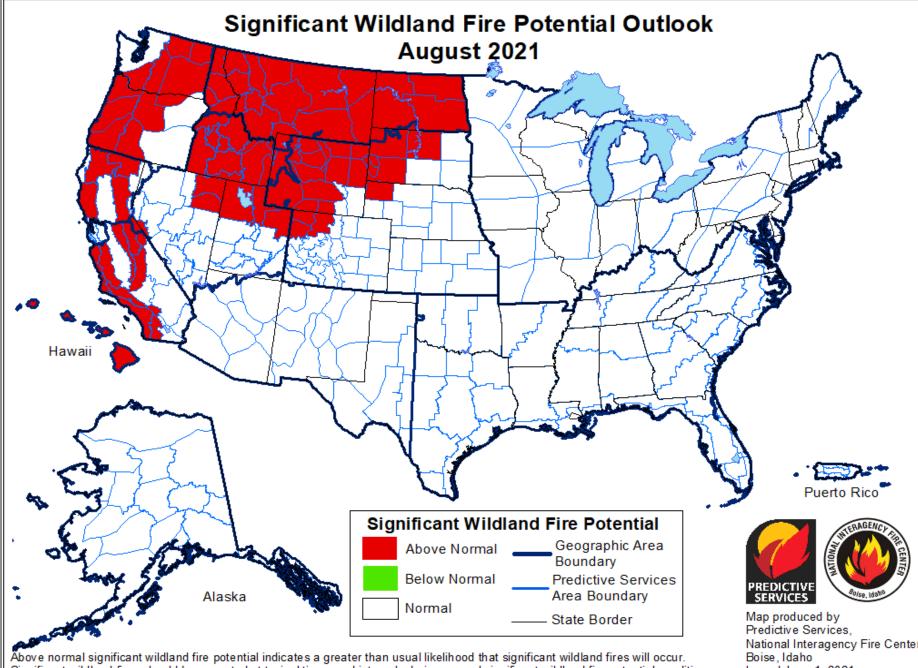
- Eric Wise





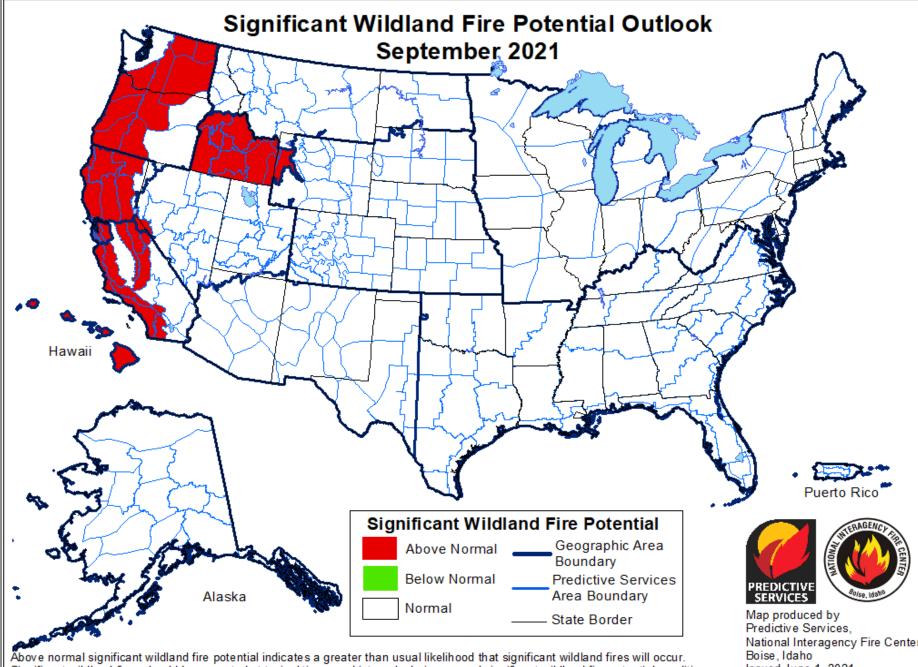
Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

National Interagency Fire Center Issued June 1, 2021 Next issuance July 1, 2021



Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

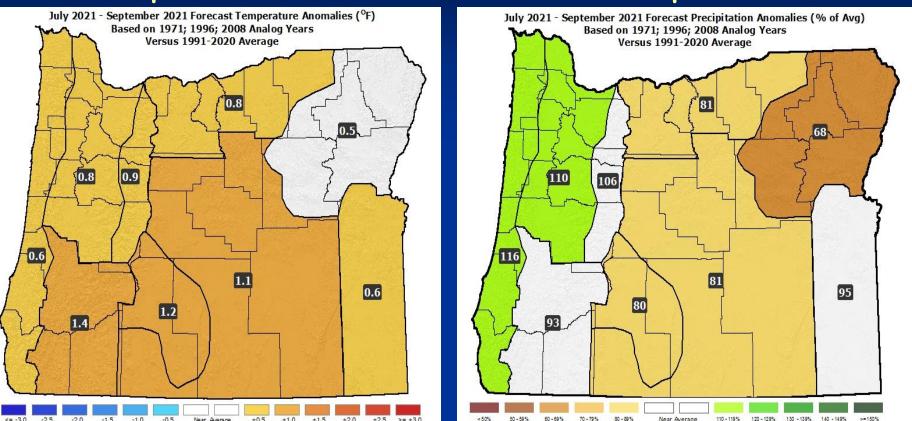
National Interagency Fire Center Issued June 1, 2021 Next issuance July 1, 2021



Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

National Interagency Fire Center Issued June 1, 2021 Next issuance July 1, 2021

## Pete's July – September 2021 Forecast Temperatures Precipitation



Above-average temperatures in July and August, with some cooling, relative to average, in September.

• Oregon's drought and wildfire potential likely to worsen, before autumn rains can begin to bring relief late in the period.

## Water Supply Availability & Drought Readiness June 16, 2021

#### Contact: Pete Parsons, Lead ODF Meteorologist 503-945-7448 or peter giparsons@oregon.gov

Oregon Department of Agriculture (ODA) - Oregon Department of Forestry (ODF). Production support: Diana Walker, Jacob Gruser; Andy Zimmerman; Julie Waters P. Parsons