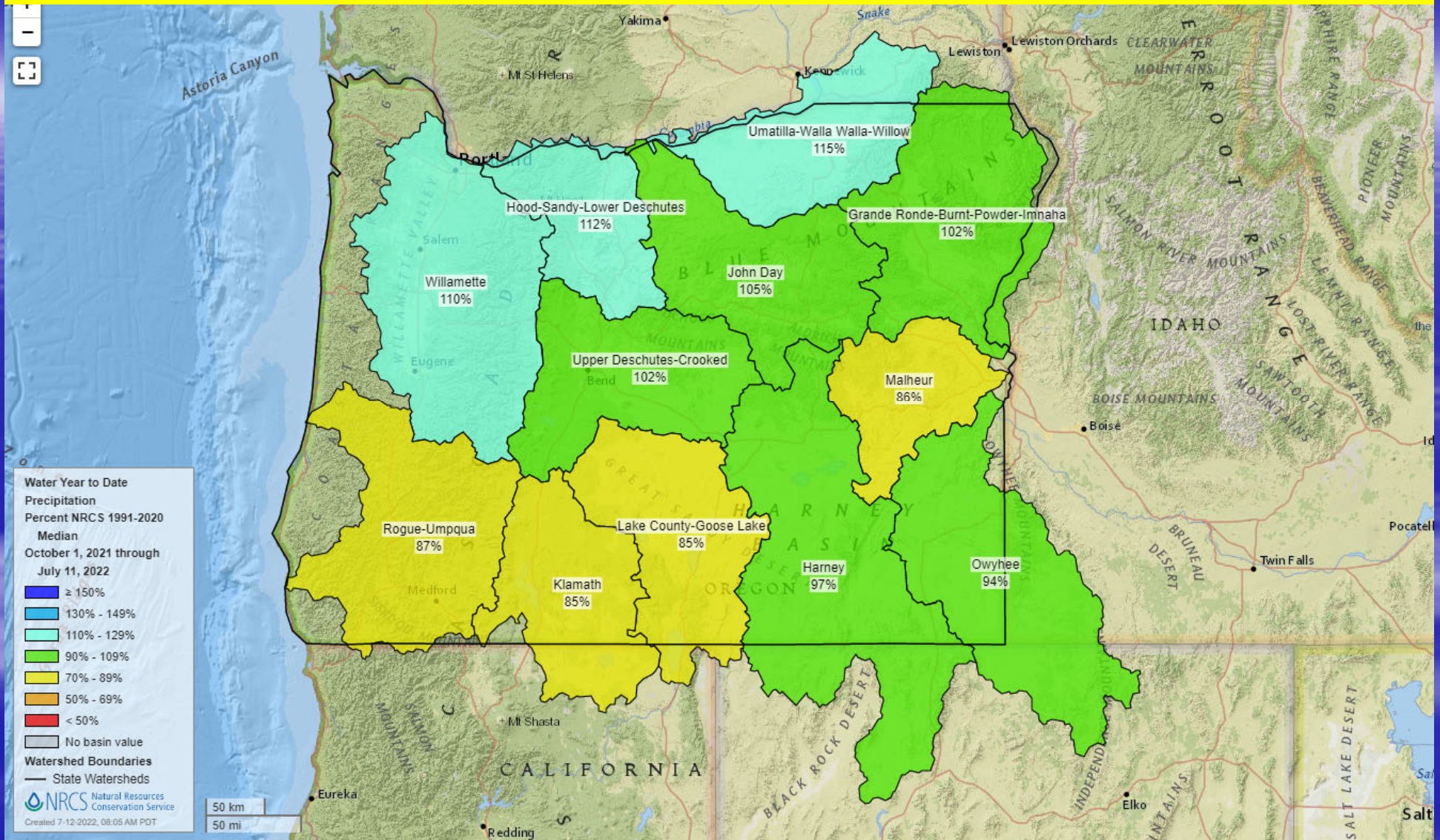


## Oregon Water Supply Availability Committee August 17, 2022

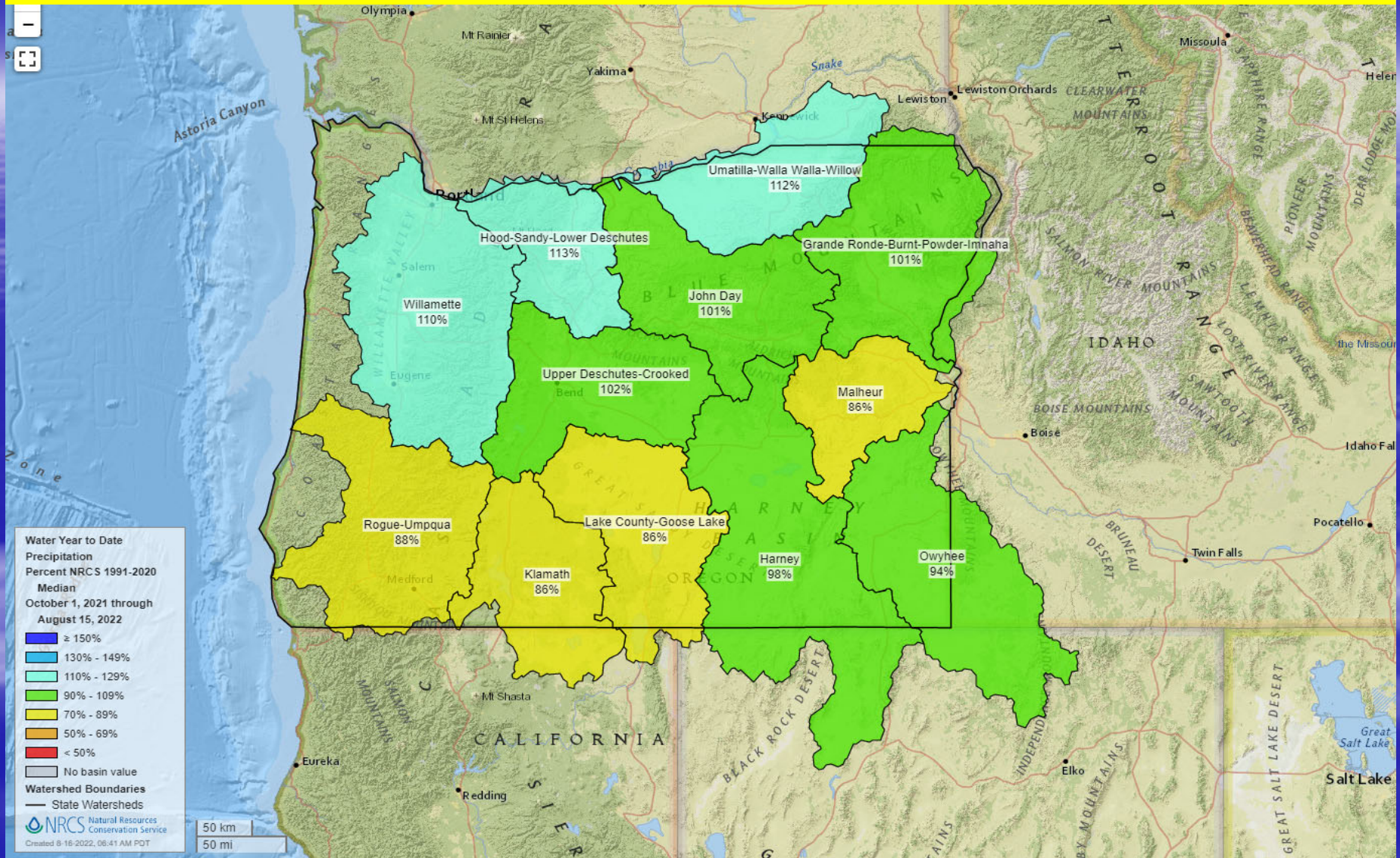


H. Scott Oviatt  
USDA – Natural Resources Conservation Service  
[scott.oviat@usda.gov](mailto:scott.oviat@usda.gov)  
541-429-2359

# July 11, 2022, SNOTEL Water Year Precipitation is 103% of 1991-2020 median

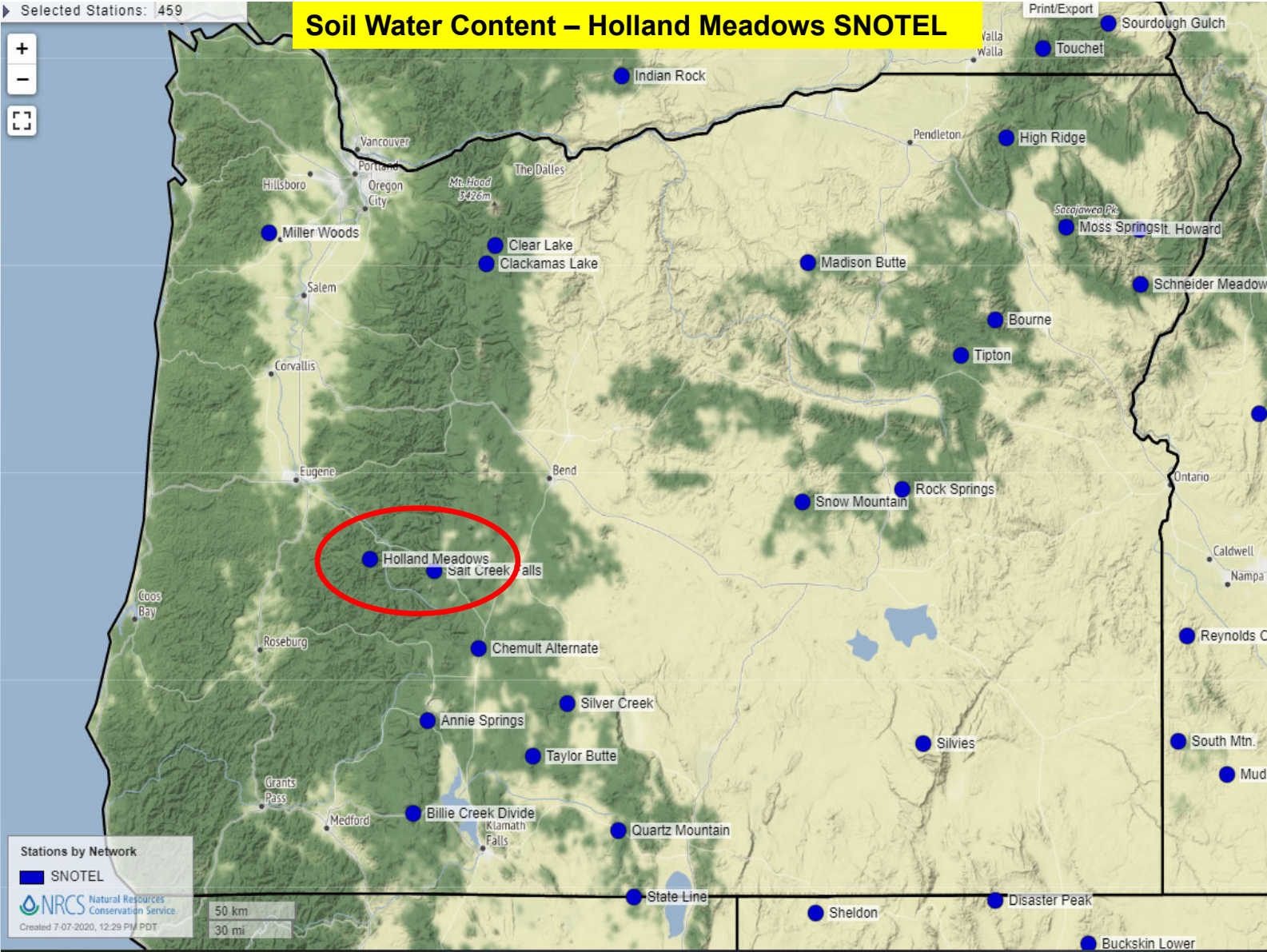


# August 16, 2022, SNOTEL Water Year Precipitation is 103% of 1991-2020 median



Selected Stations: 459

# Soil Water Content – Holland Meadows SNOTEL



**Stations by Network**

- SNOTEL

**NRCS** Natural Resources Conservation Service  
Created 7-07-2020, 12:29 PM PDT

50 km  
30 mi

Print/Export



# Soil Water Content – Holland Meadows SNOTEL (POR 2011-2022)

2021

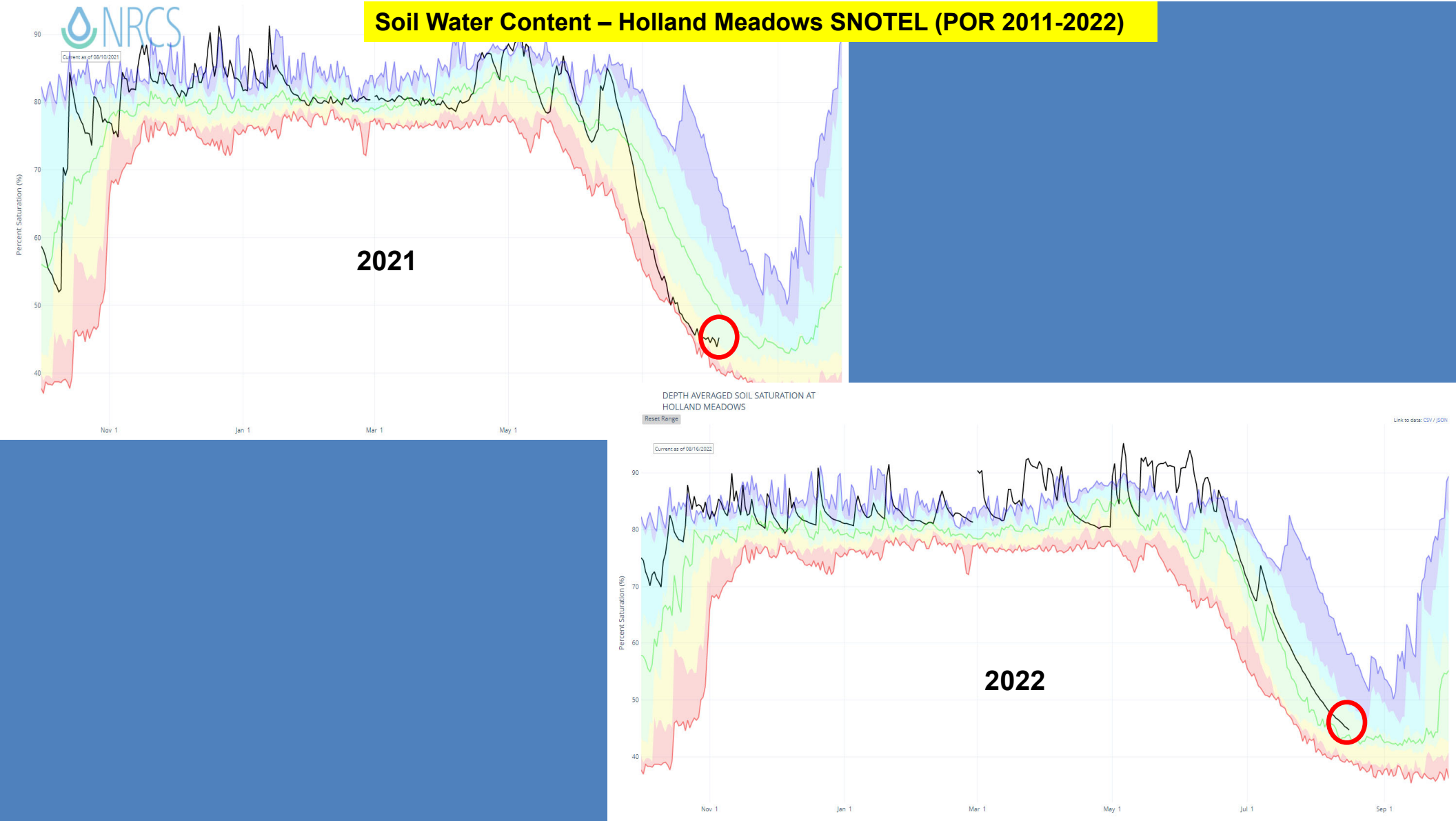


DEPTH AVERAGED SOIL SATURATION AT HOLLAND MEADOWS

Reset Range

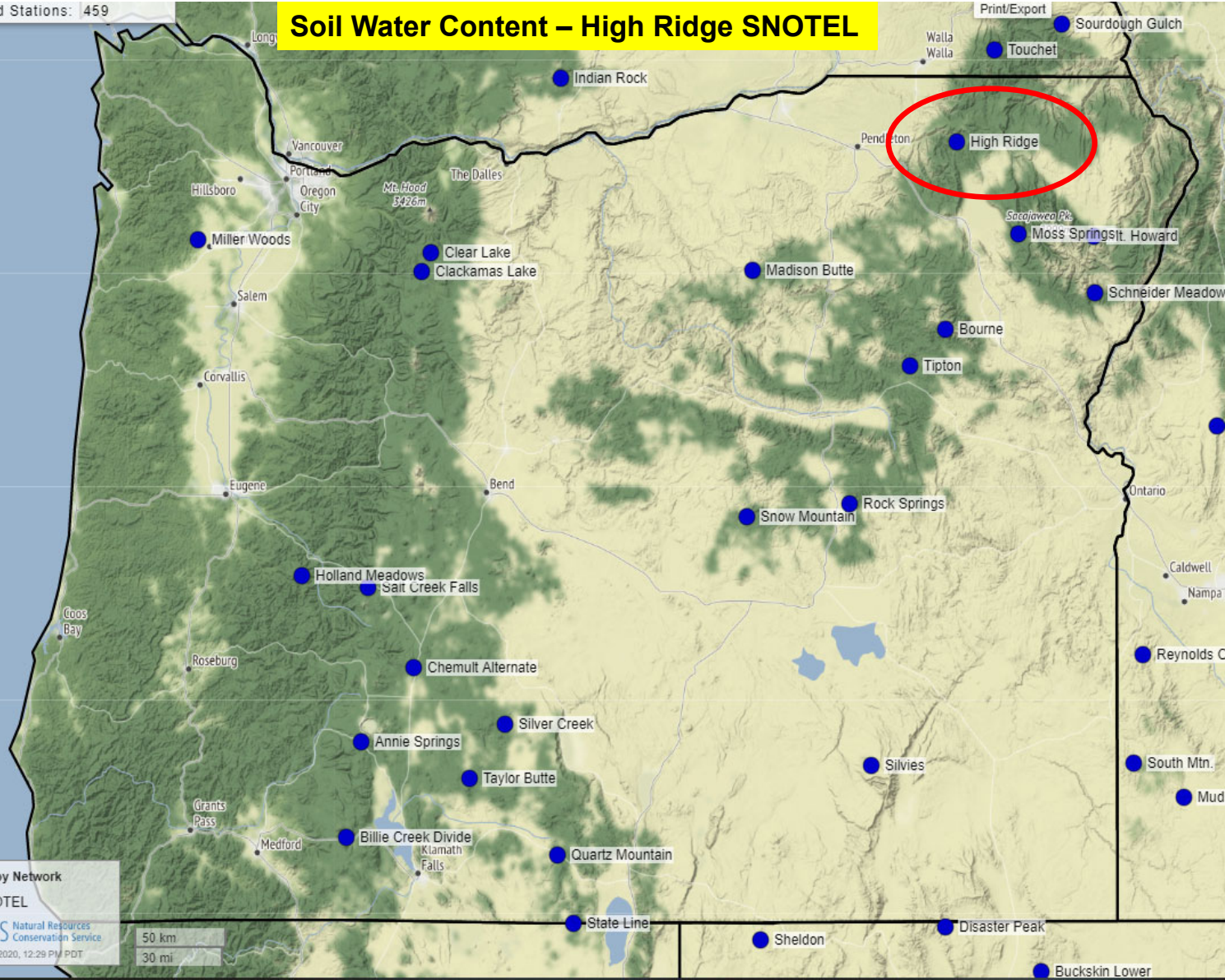
[Link to data: CSV / JSON](#)

2022



Selected Stations: 459

# Soil Water Content – High Ridge SNOTEL



**Stations by Network**

- SNOTEL

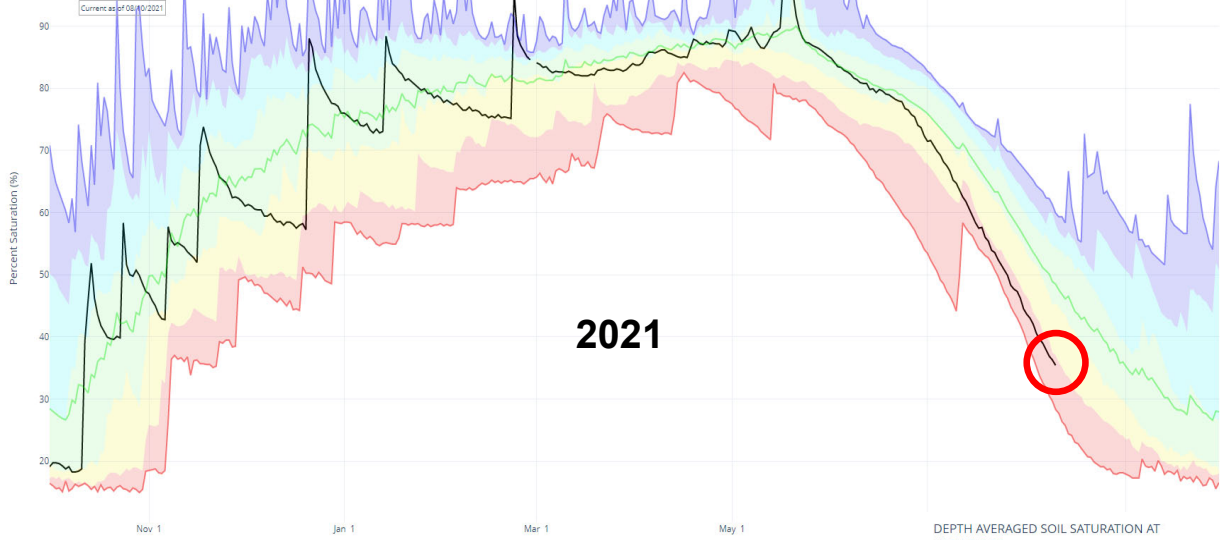
**NRCS** Natural Resources Conservation Service  
Created 7-07-2020, 12:29 PM PDT

50 km  
30 mi

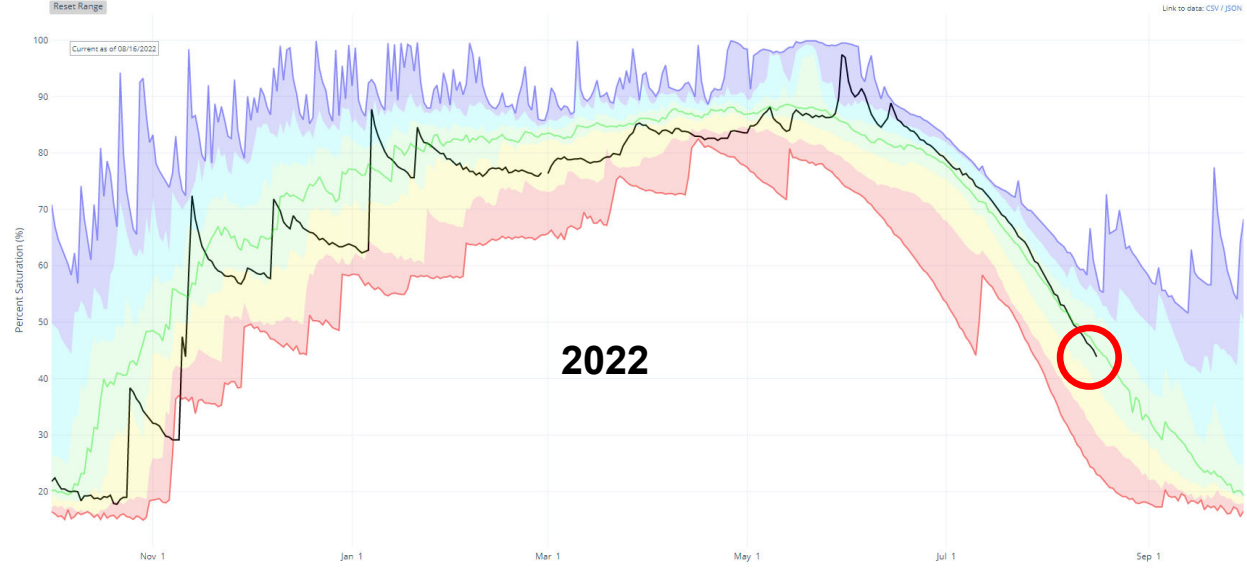
Print/Export



# Soil Water Content – High Ridge SNOTEL (POR 2004-2022)



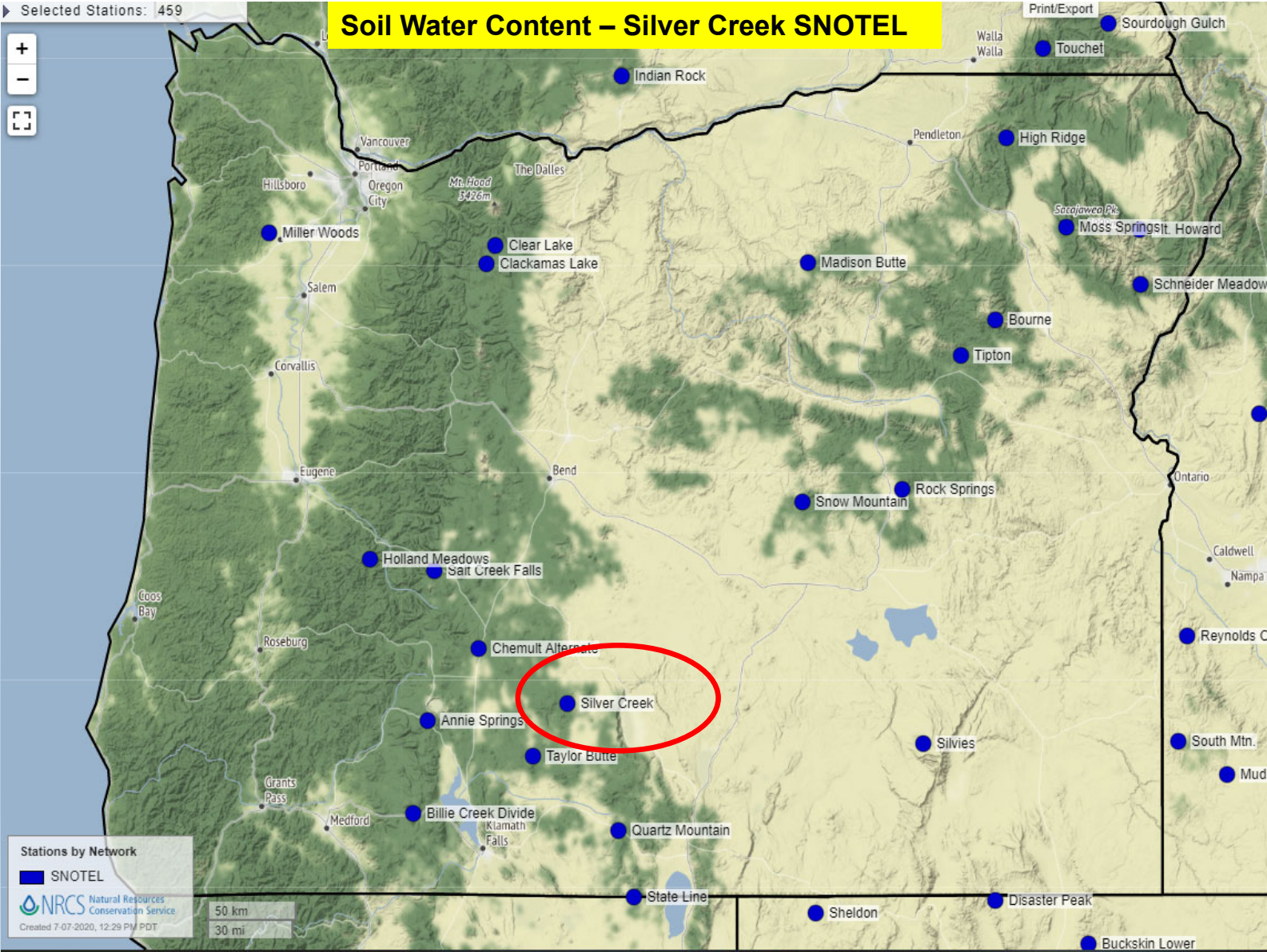
DEPTH AVERAGED SOIL SATURATION AT HIGH RIDGE



[Link to data: CSV / PDF](#)

Selected Stations: 459

# Soil Water Content – Silver Creek SNOTEL



**Stations by Network**

- SNOTEL

**NRCS** Natural Resources Conservation Service  
Created 7-07-2020, 12:29 PM PDT

50 km  
30 mi





# Soil Water Content – Silver Creek SNOTEL (2004-2022)

2021

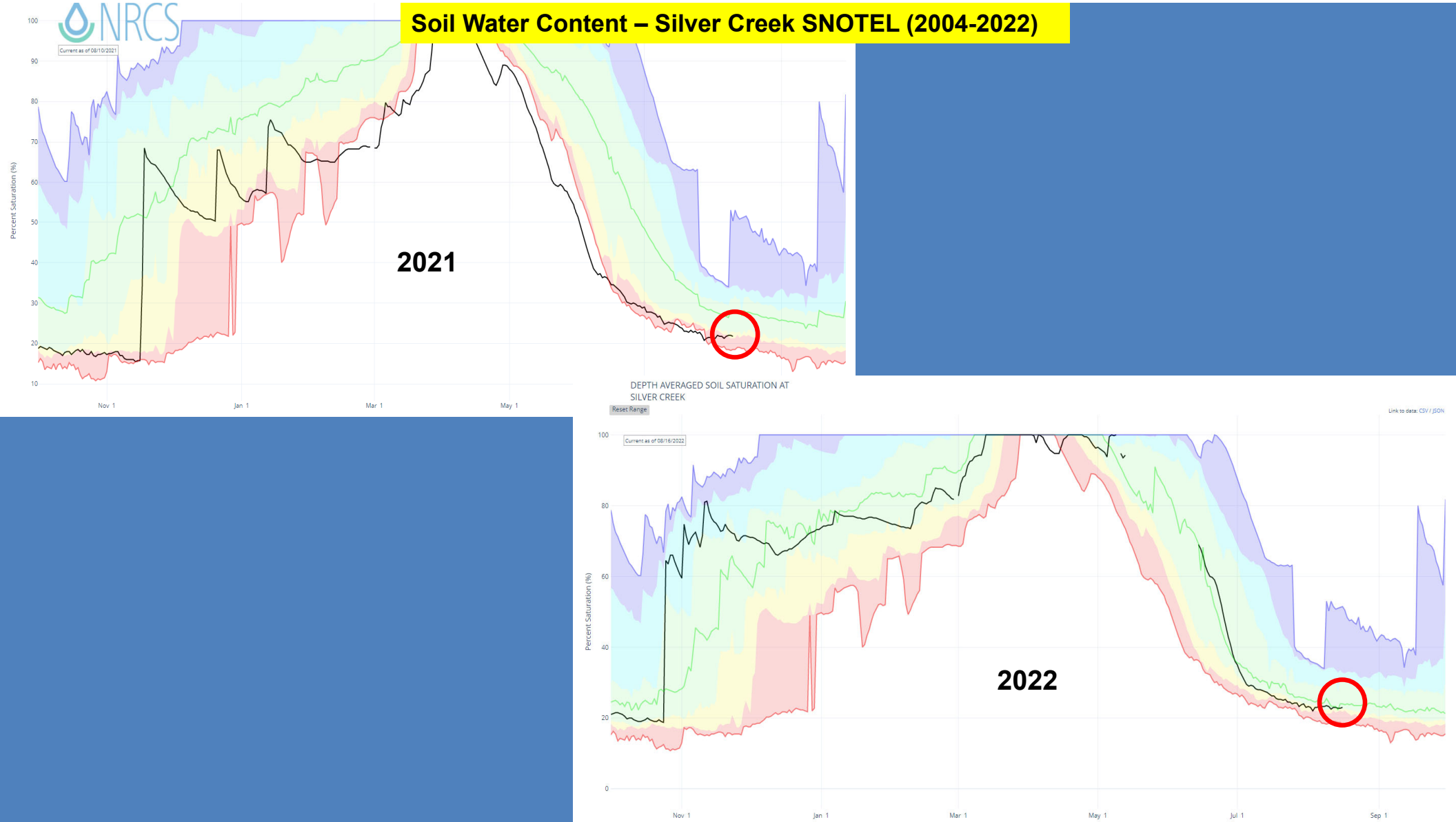


DEPTH AVERAGED SOIL SATURATION AT SILVER CREEK

Reset Range

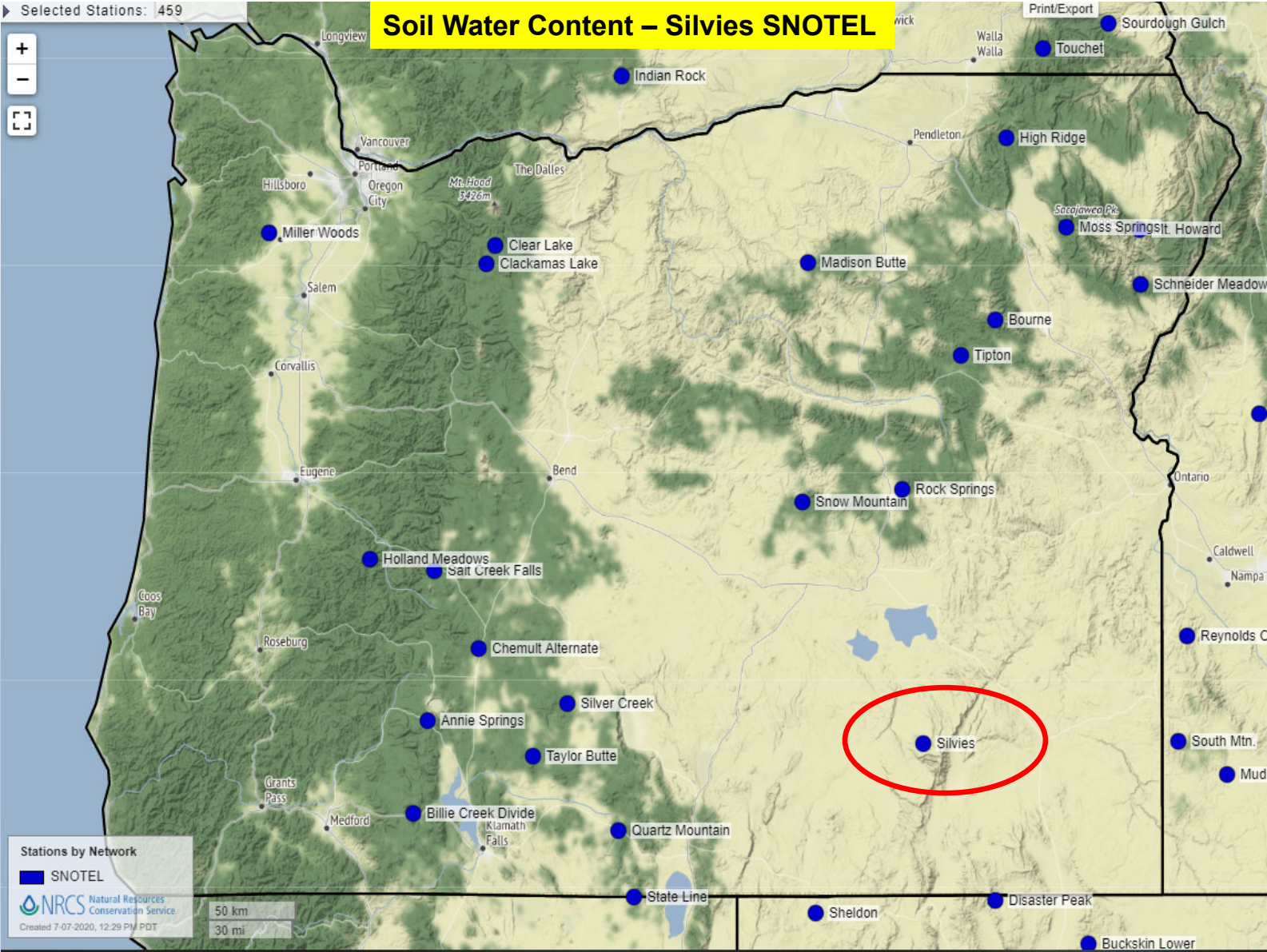
[Link to data: CSV / JSON](#)

2022



Selected Stations: 459

# Soil Water Content – Silvies SNOTEL



**Stations by Network**

- SNOTEL

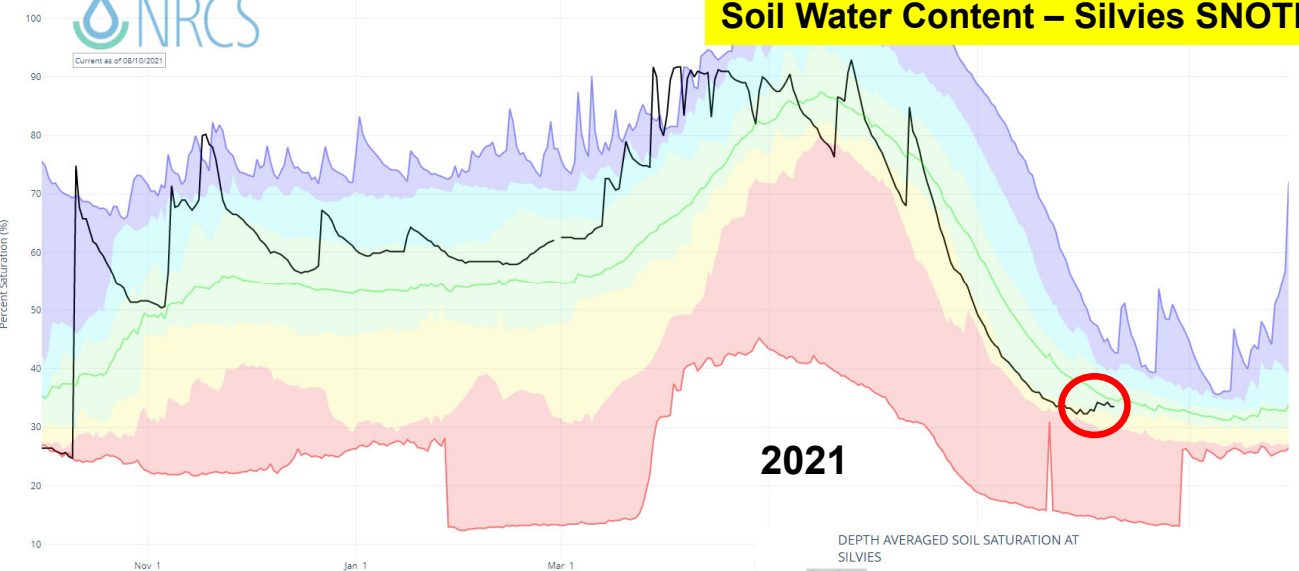
Natural Resources Conservation Service  
Created 7-07-2020, 12:29 PM PDT

50 km  
30 mi



# Soil Water Content – Silvies SNOTEL (1997-2022)

Current as of 08/10/2021

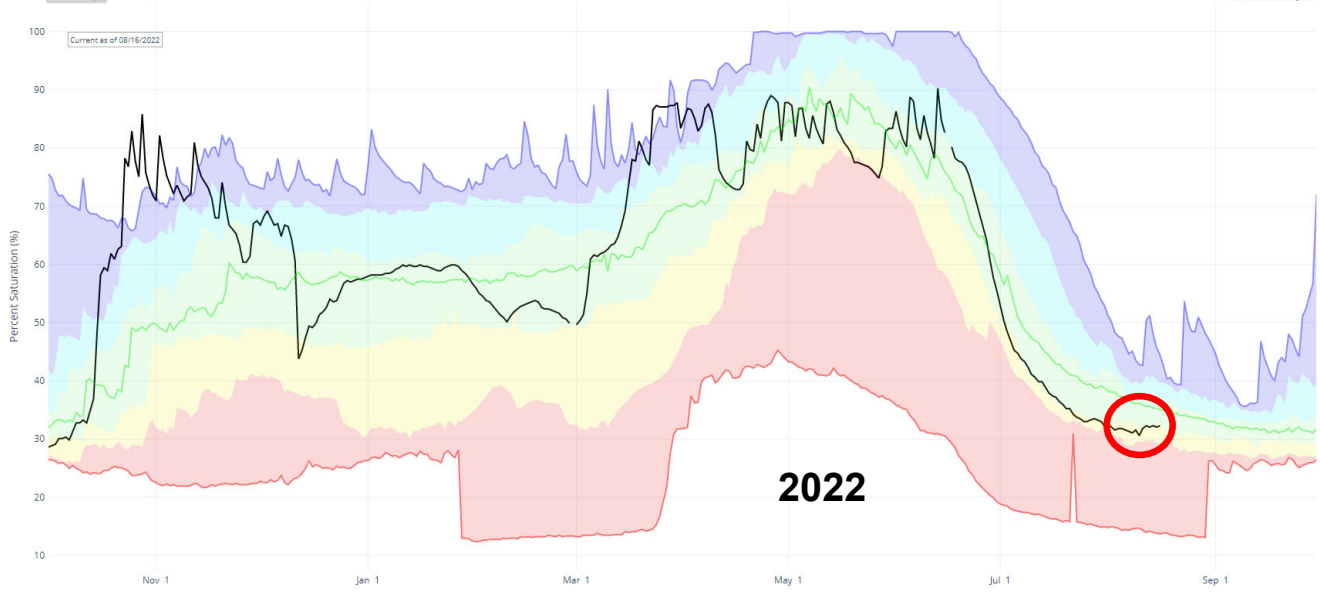


2021

DEPTH AVERAGED SOIL SATURATION AT SILVIES

Reset Range

Current as of 08/16/2022



2022

Link to data: CSV / JSON

# 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.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

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](mailto:program.intake@usda.gov).

## Oregon Water Supply Availability Committee August 17, 2022



H. Scott Oviatt  
USDA – Natural Resources Conservation Service  
[scott.oviatt@usda.gov](mailto:scott.oviatt@usda.gov)  
541-429-2359



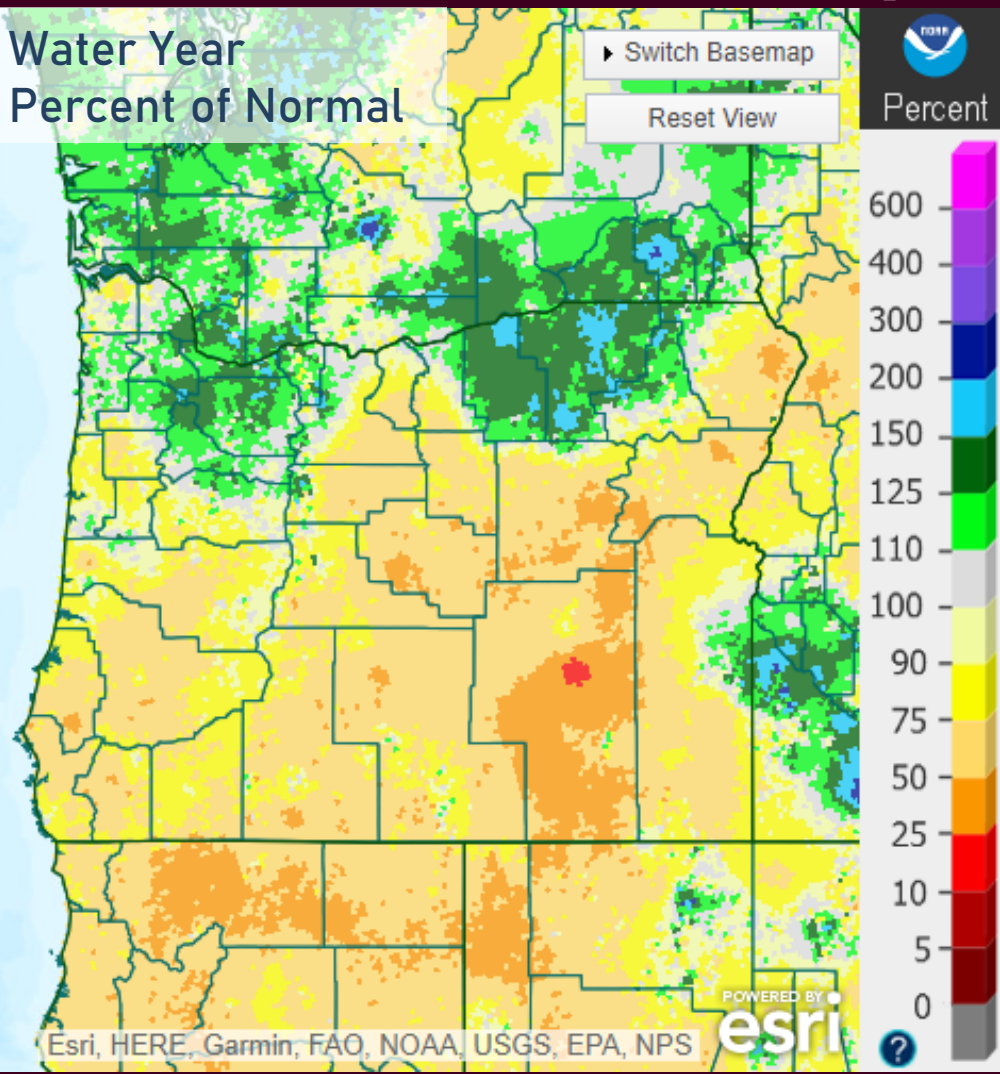
# August 2022 Update for Precipitation, Temperatures, and Water Supply

Andy Bryant  
Weather Forecast Office  
NOAA National Weather Service

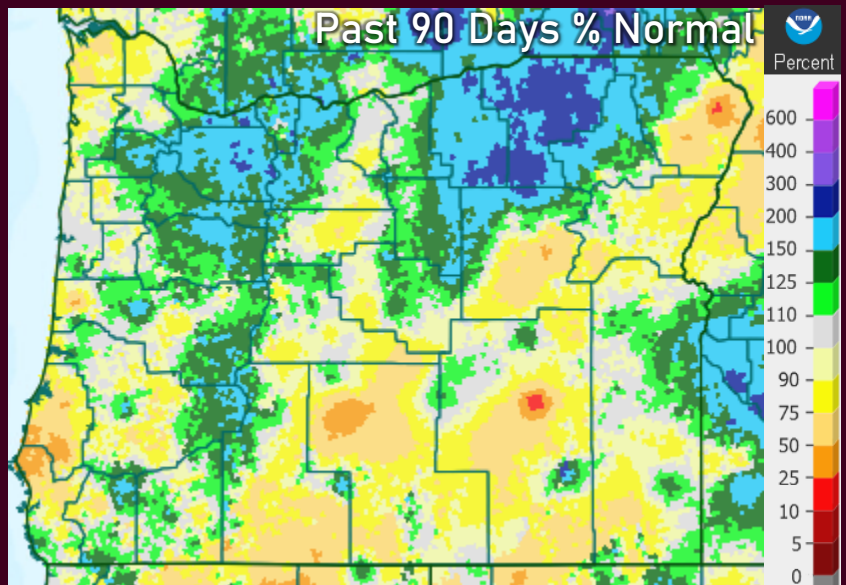


# Precipitation

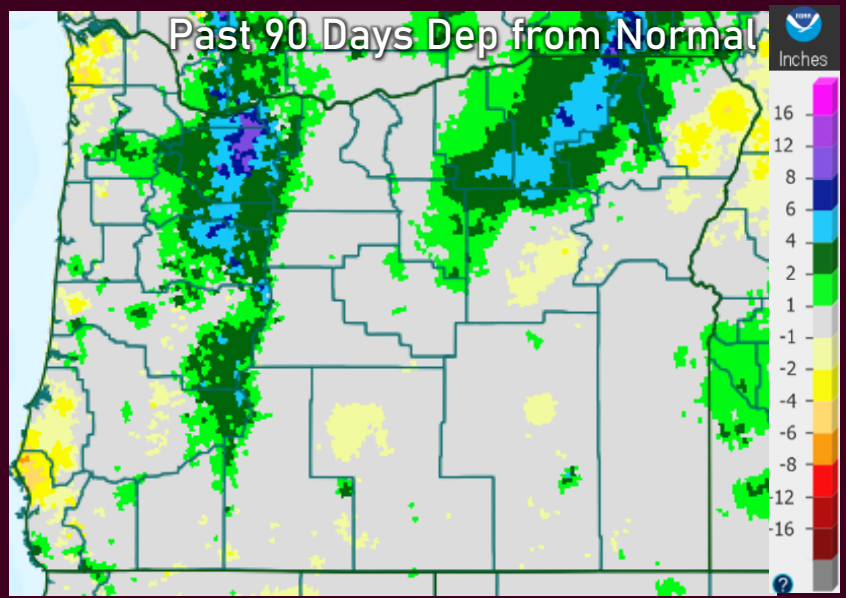
## Water Year Percent of Normal



## Past 90 Days % Normal



## Past 90 Days Dep from Normal



Precipitation Data as of August 15, 2022

[water.weather.gov/precip/index.php](http://water.weather.gov/precip/index.php)

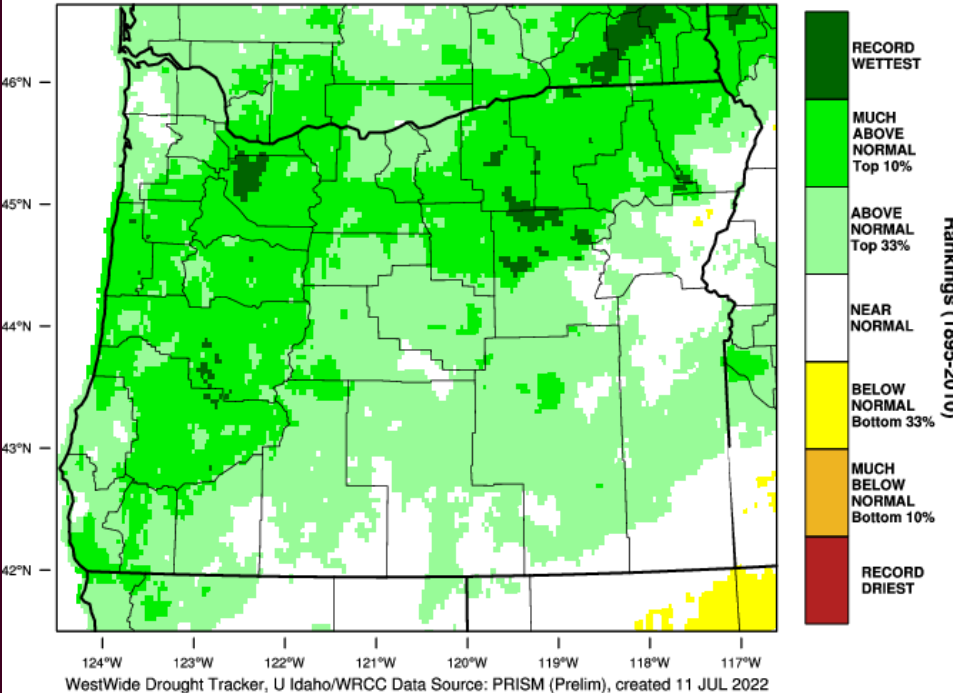


# Precipitation - Percentile / Ranking

## June

### Oregon - Precipitation

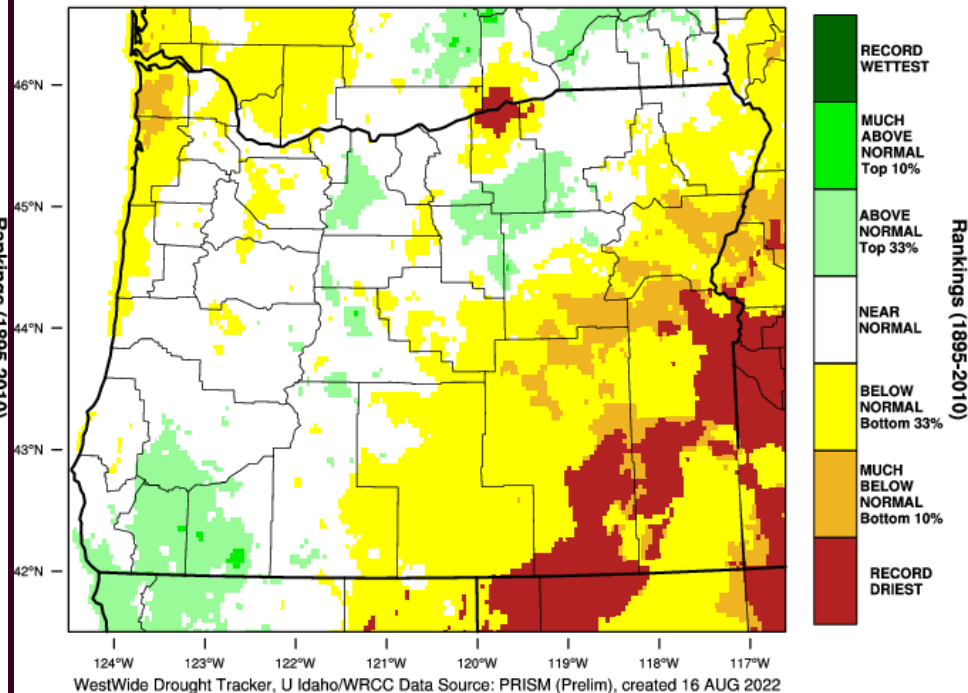
#### June 2022 Percentile



## July

### Oregon - Precipitation

#### July 2022 Percentile



Salem 100 (11<sup>th</sup>), 101 (25<sup>th</sup>), 103 (26<sup>th</sup>), 101 (29<sup>th</sup>), 103 (30<sup>th</sup>)  
 Medford 104 (11<sup>th</sup>), 101 (20<sup>th</sup>), 100+ (24<sup>th</sup>-29<sup>th</sup>), 114 (29<sup>th</sup>)  
 Pendleton 100 (12<sup>th</sup>), 100 (20<sup>th</sup>), 100+ (25<sup>th</sup>-31<sup>st</sup>), 111 (29<sup>th</sup>)



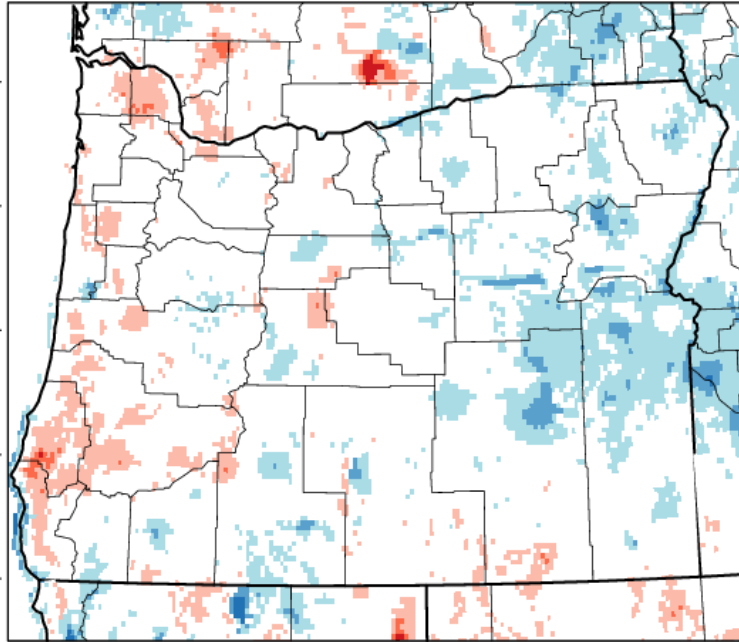


# Recent Temperatures

## June

### Oregon - Mean Temperature

#### June 2022 Departure from 1981-2010 Normal

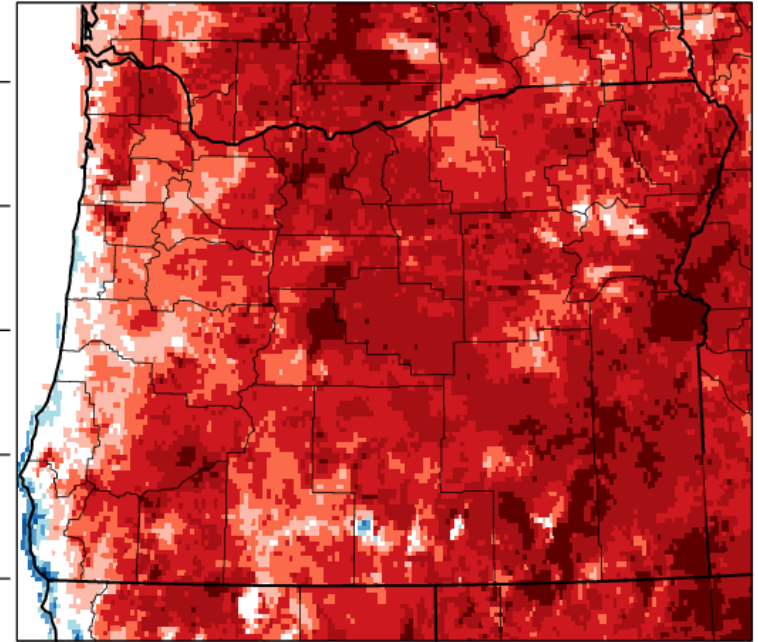


124°W 123°W 122°W 121°W 120°W 119°W 118°W 117°W  
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 11 JUL 2022

## July

### Oregon - Mean Temperature

#### July 2022 Departure from 1981-2010 Normal

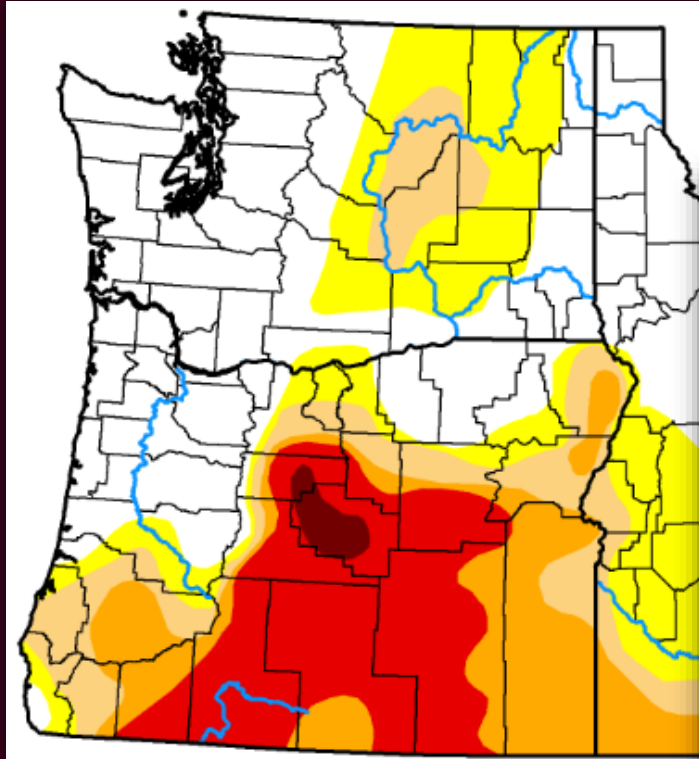


124°W 123°W 122°W 121°W 120°W 119°W 118°W 117°W  
WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 AUG 2022

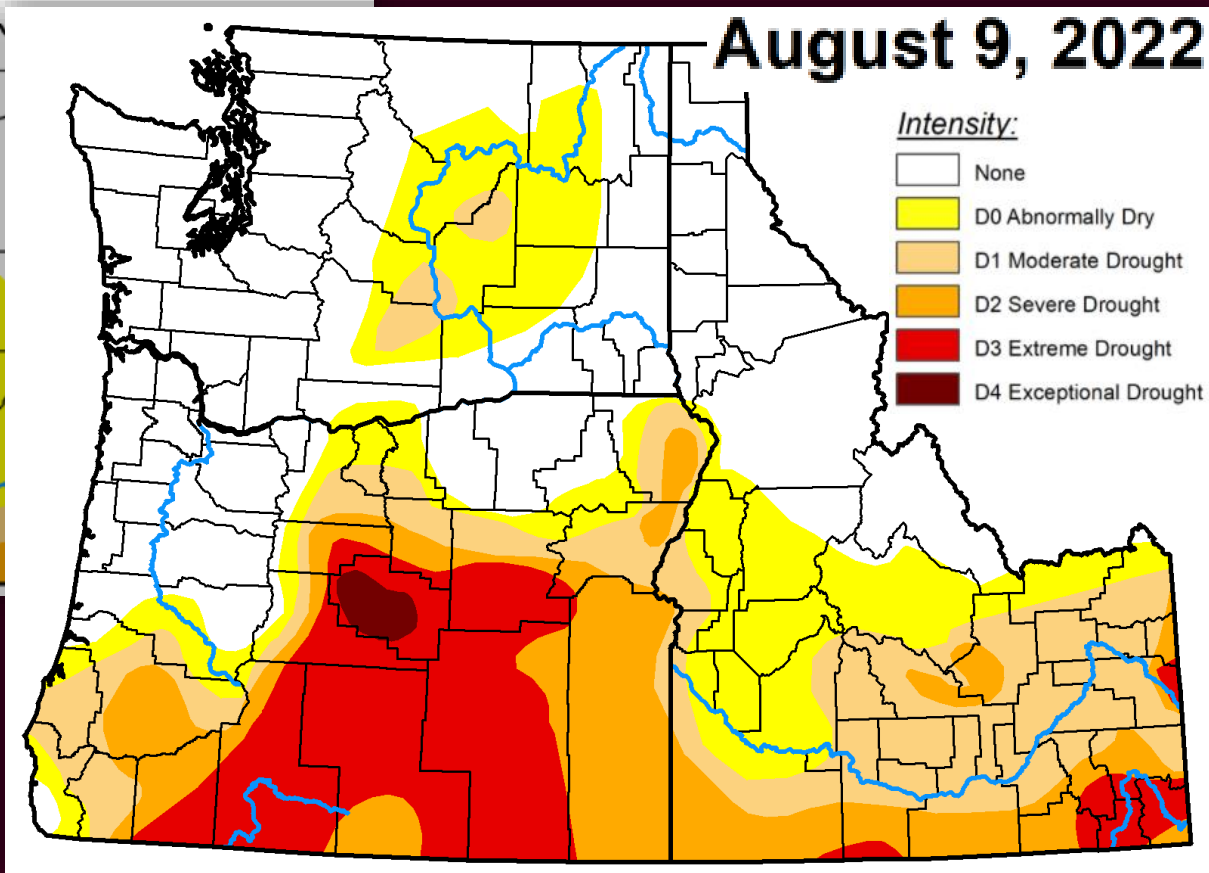
<https://wrcc.dri.edu/wwdt/index.php?region=pnw>

# Drought Monitor

July 5, 2022



August 9, 2022



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

<https://droughtmonitor.unl.edu>

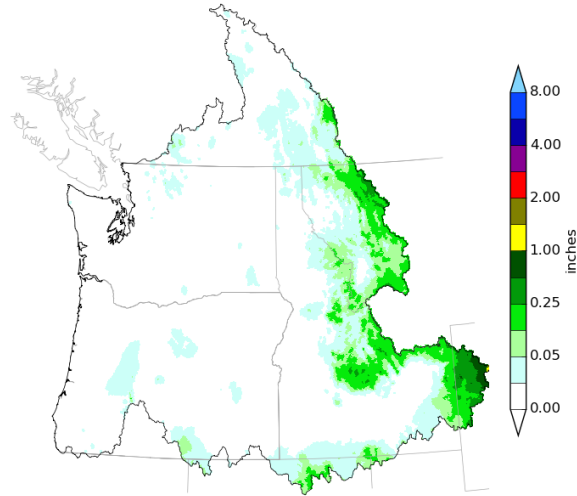


# Mid August Outlook

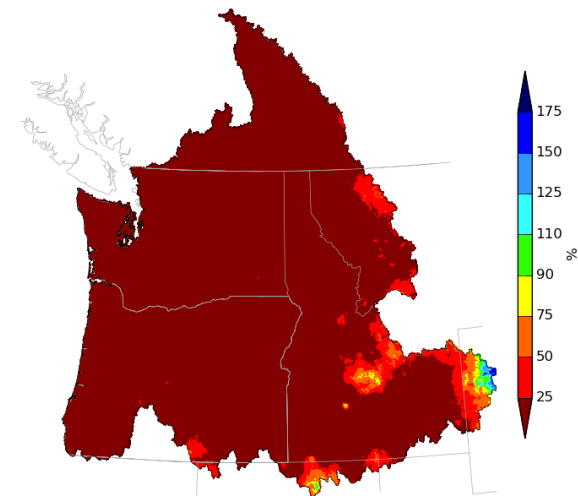
## NWRFC 10-DAY PRECIPITATION FORECAST

[www.nwrfc.noaa.gov/water\\_supply/wy\\_summary/wy\\_summary.php](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php)

Northwest River Forecast Center  
10 Day QPF, Ending 12Z, 08/26/22



Northwest River Forecast Center  
10 Day QPF (Percent of Climatology), Ending 12Z, 08/26/22

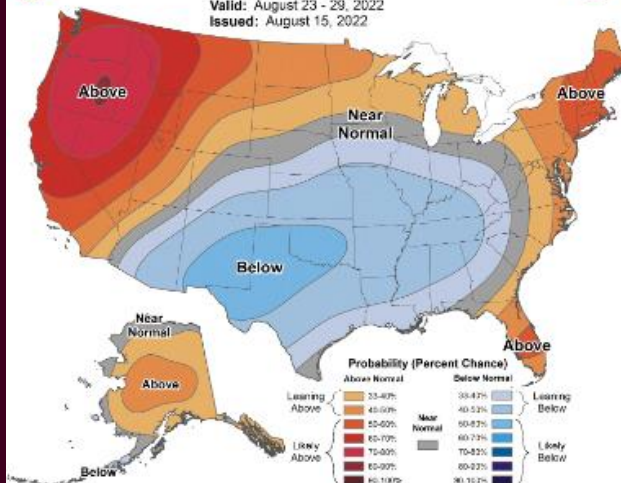


## CPC 8 - 14 DAY OUTLOOK

[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

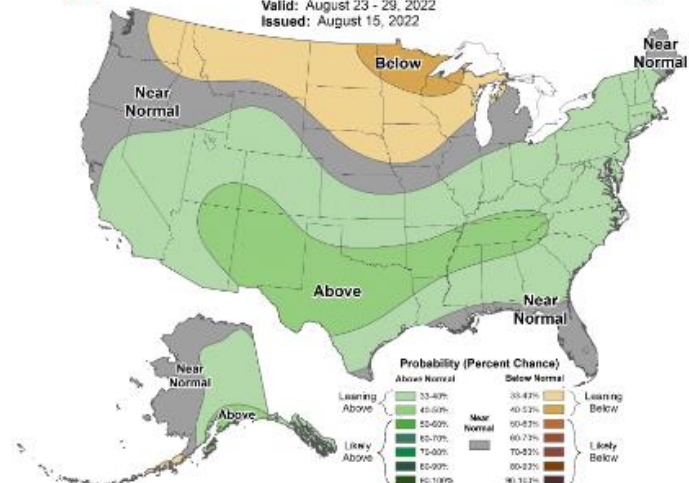
### 8-14 Day Temperature Outlook

Valid: August 23 - 29, 2022  
Issued: August 15, 2022



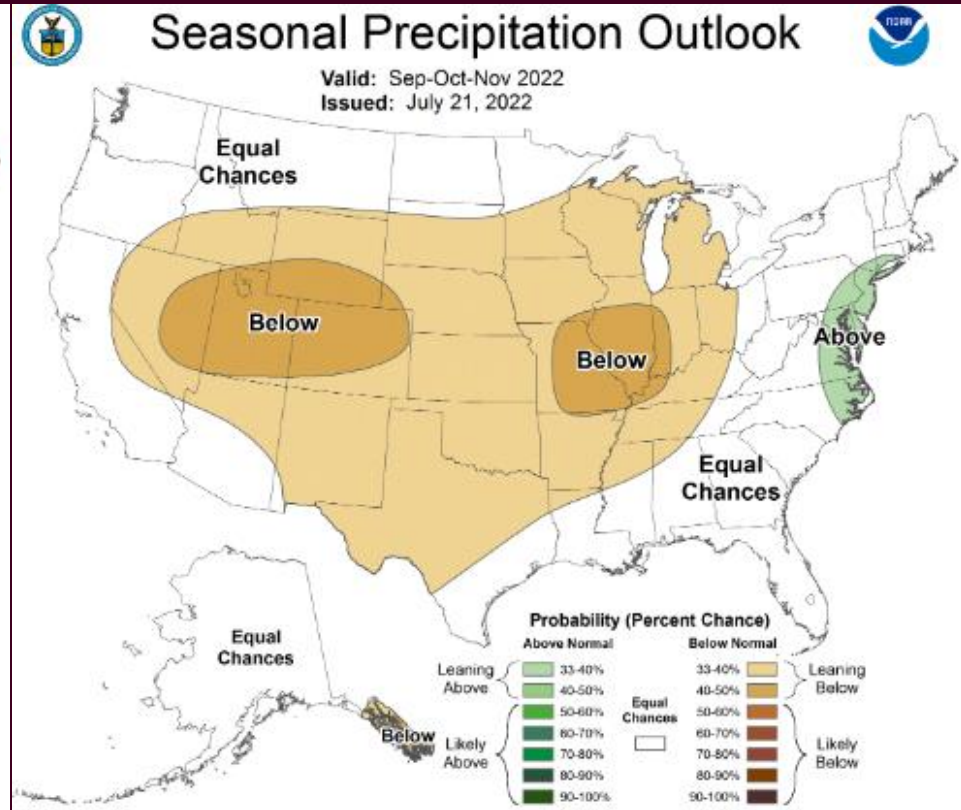
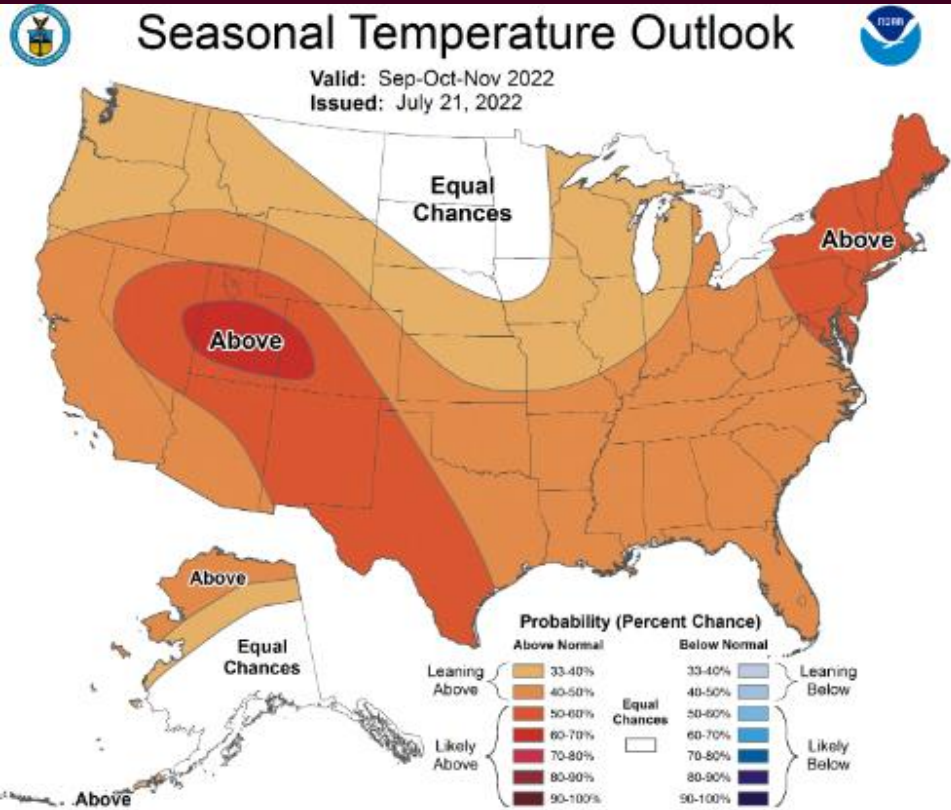
### 8-14 Day Precipitation Outlook

Valid: August 23 - 29, 2022  
Issued: August 15, 2022





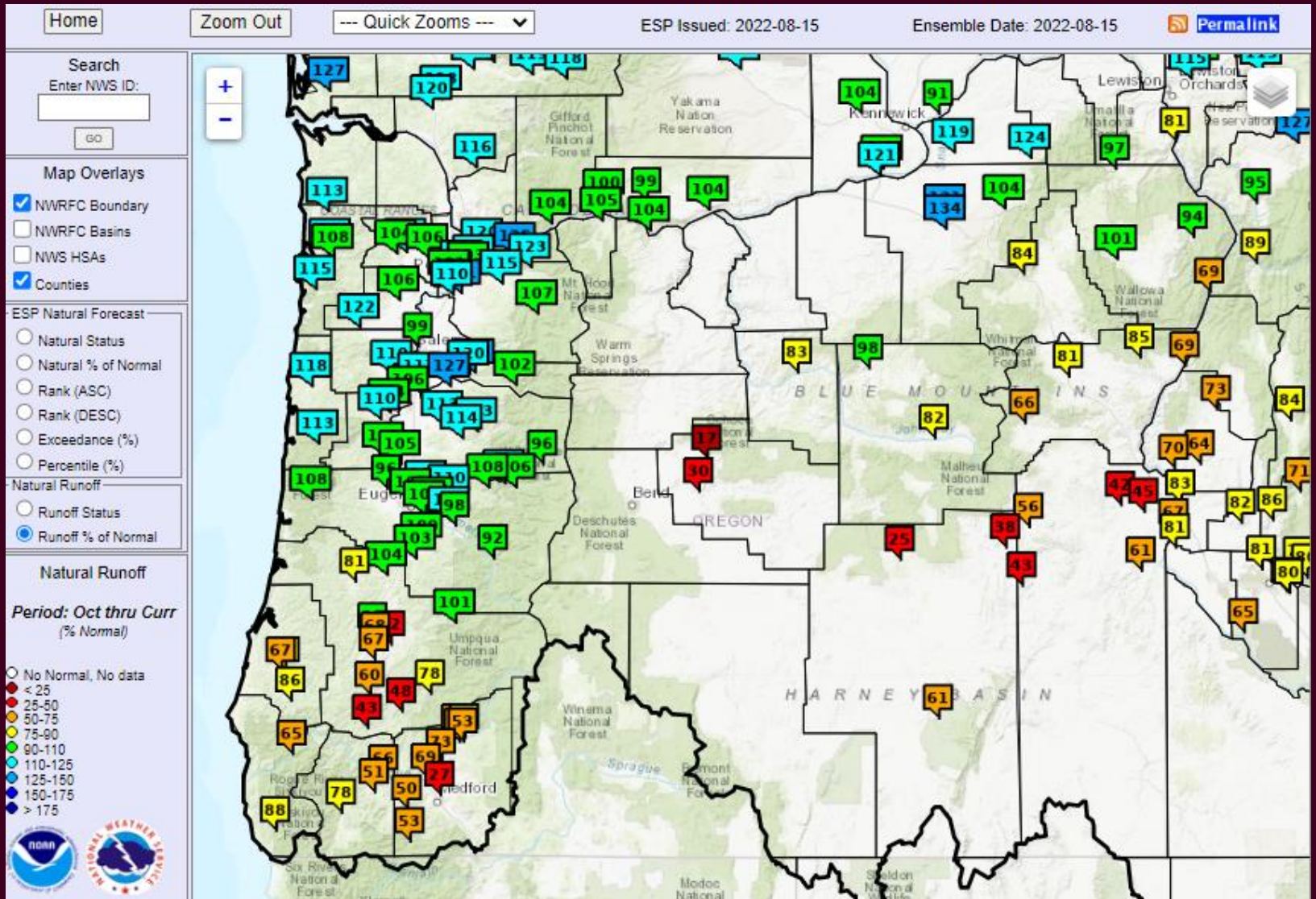
# Climate Prediction Center Outlook September-October-November 2022



[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)



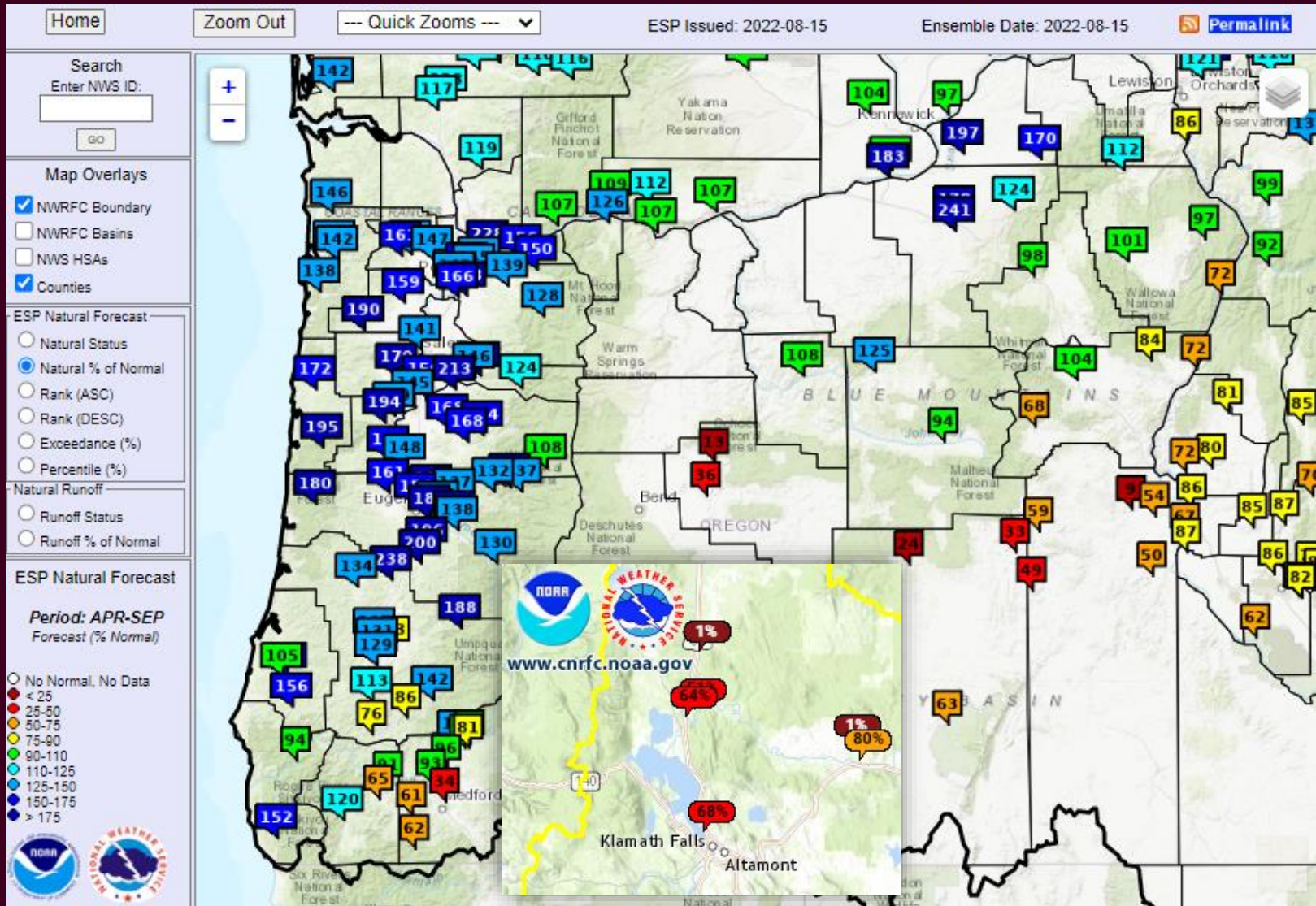
# Water Year Runoff % of Average Oct 1 – Aug 15





# Seasonal Volume Forecast

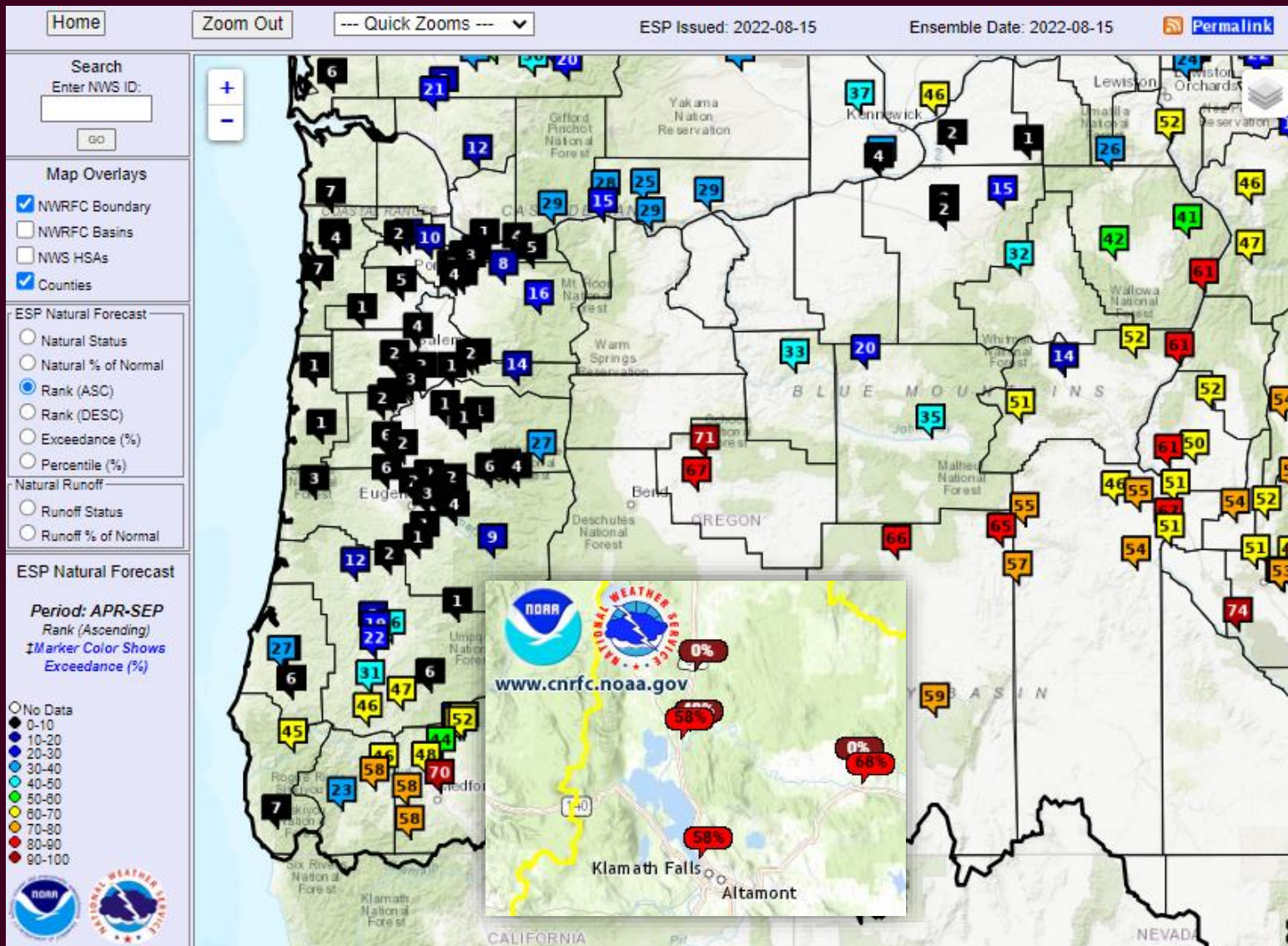
## April - September % of Average





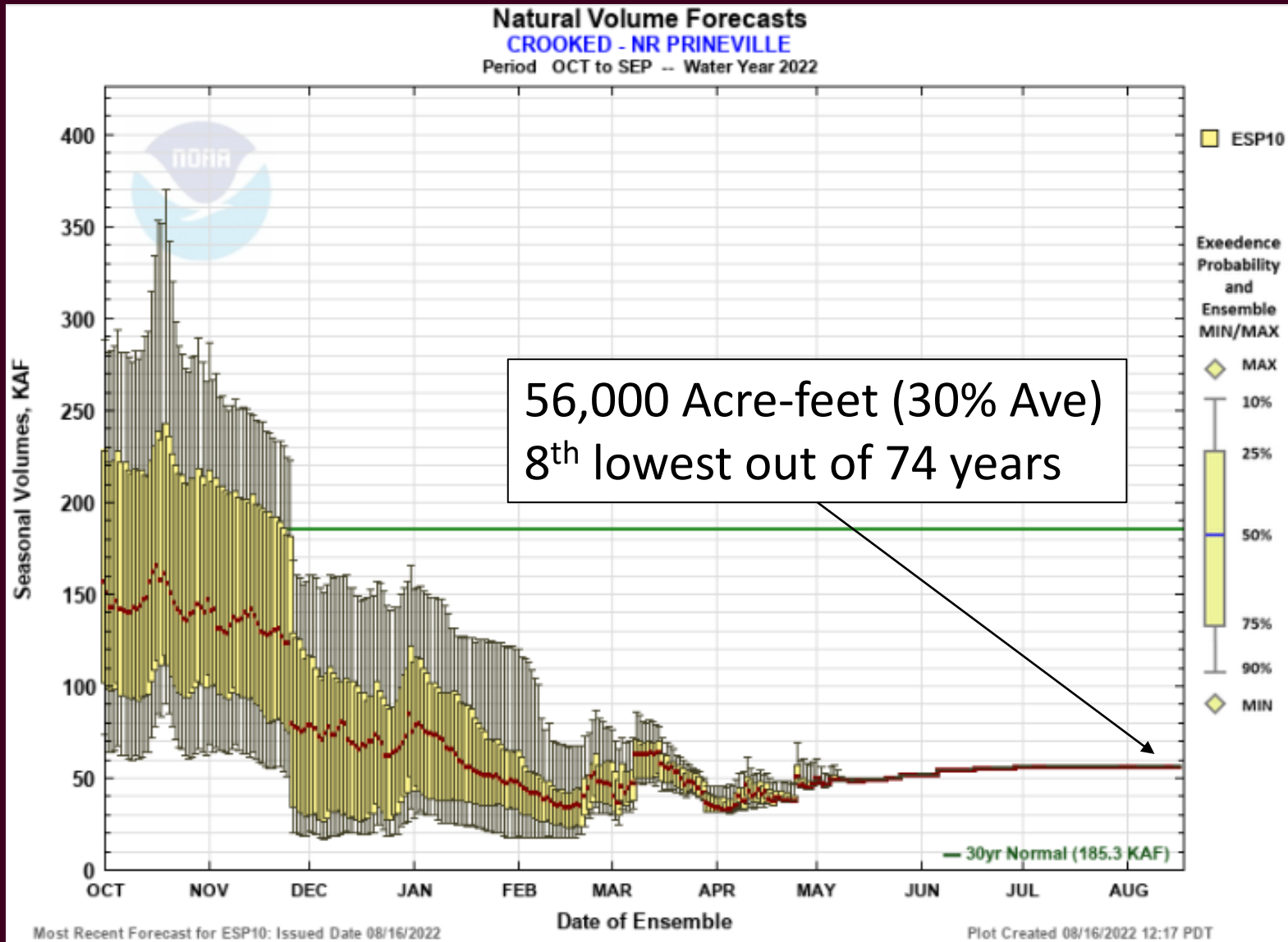
# Seasonal Volume Rankings

## April - September (record 1949 on)

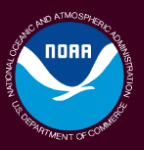




# Water Year Streamflow Volume Forecast Crooked R near Prineville



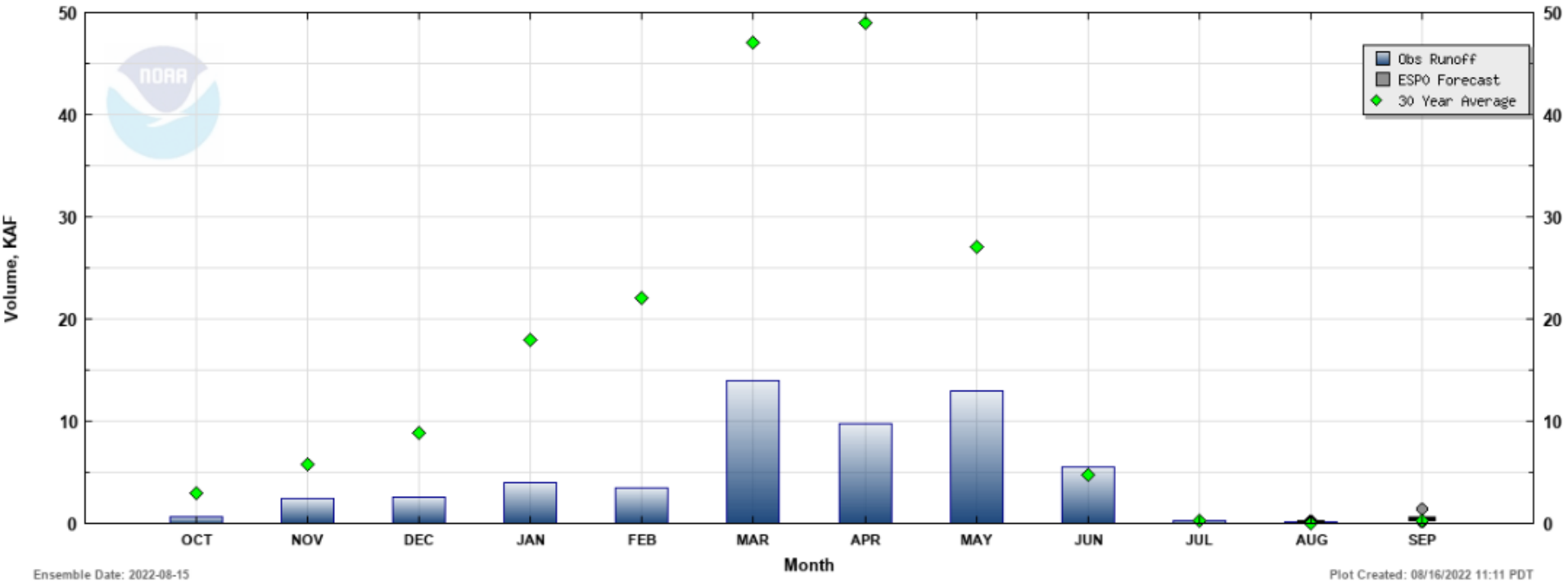




# Monthly Natural Volumes

## Crooked R near Prineville

Natural Volume Monthly Forecasts (ESP0) for Water Year 2022  
(PRV03) CROOKED - NR PRINEVILLE

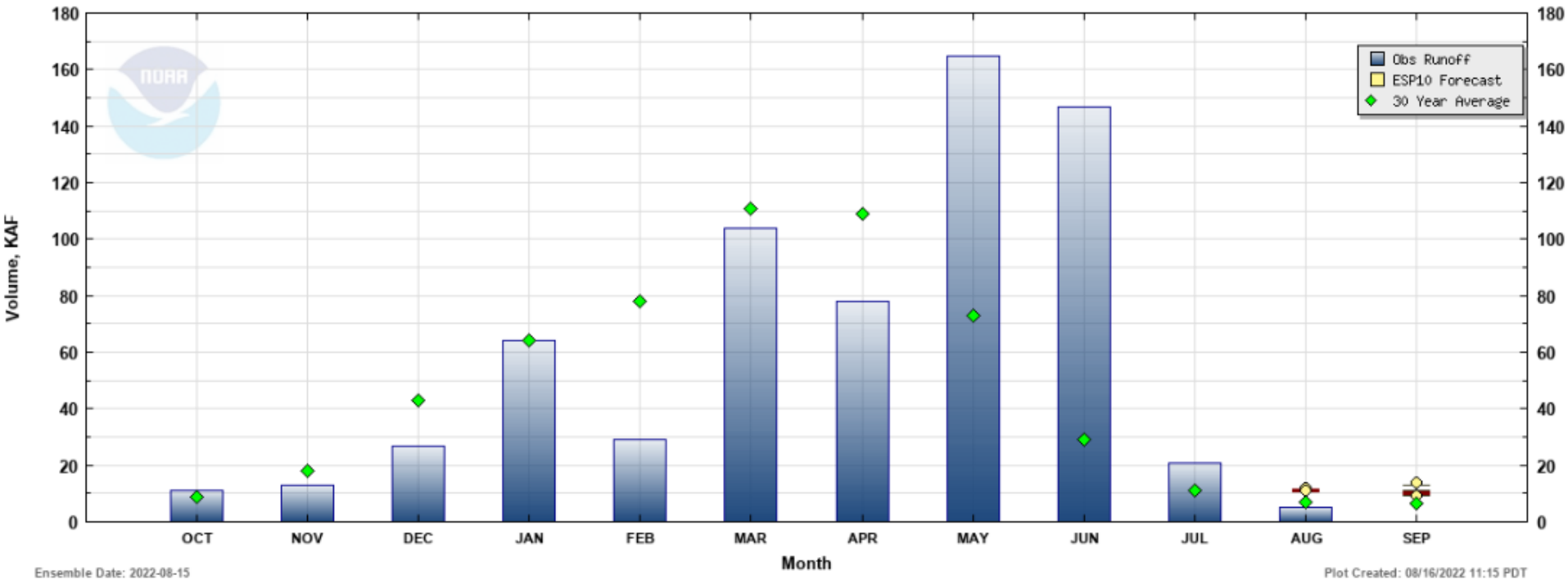




# Monthly Natural Volumes

## Umatilla R near Umatilla

Natural Volume Monthly Forecasts (ESP10) for Water Year 2022  
(UMAO3) UMATILLA - NEAR UMATILLA



Ensemble Date: 2022-08-15

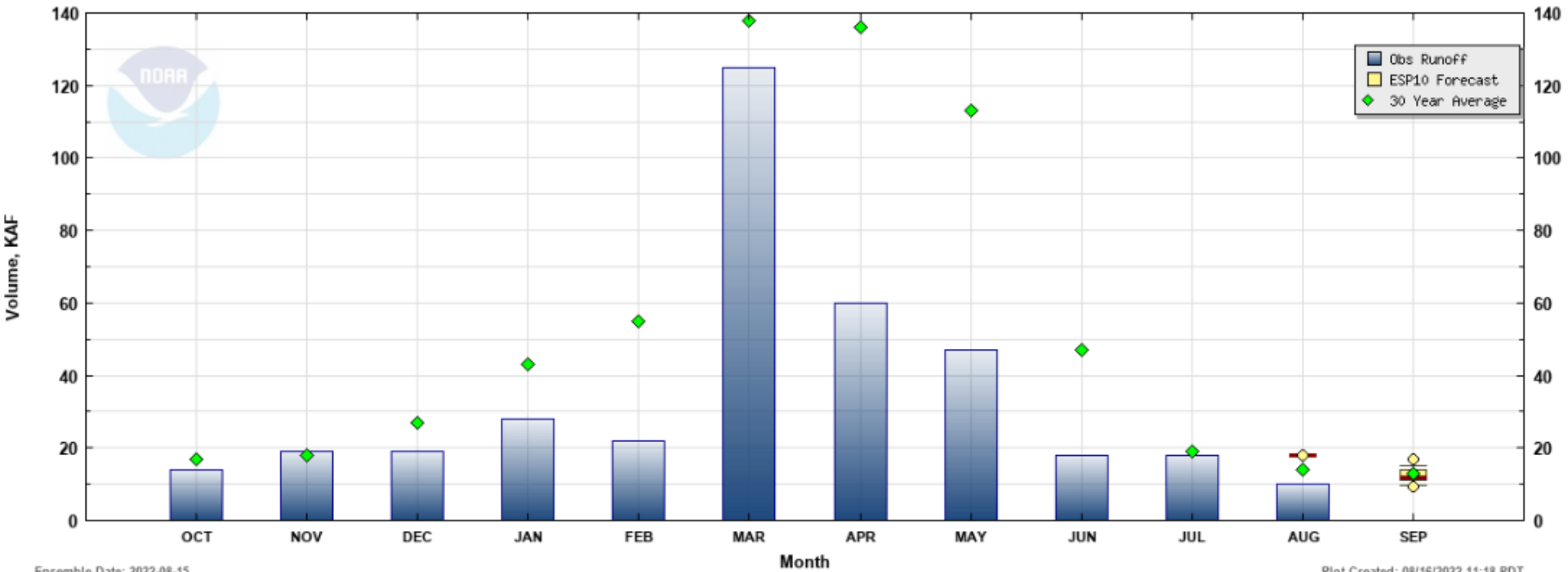
Plot Created: 08/16/2022 11:15 PDT



# Monthly Natural Volumes

## Owyhee R at Owyhee Dam

Natural Volume Monthly Forecasts (ESP10) for Water Year 2022  
(OWYO3) OWYHEE - OWYHEE DAM



Ensemble Date: 2022-08-15

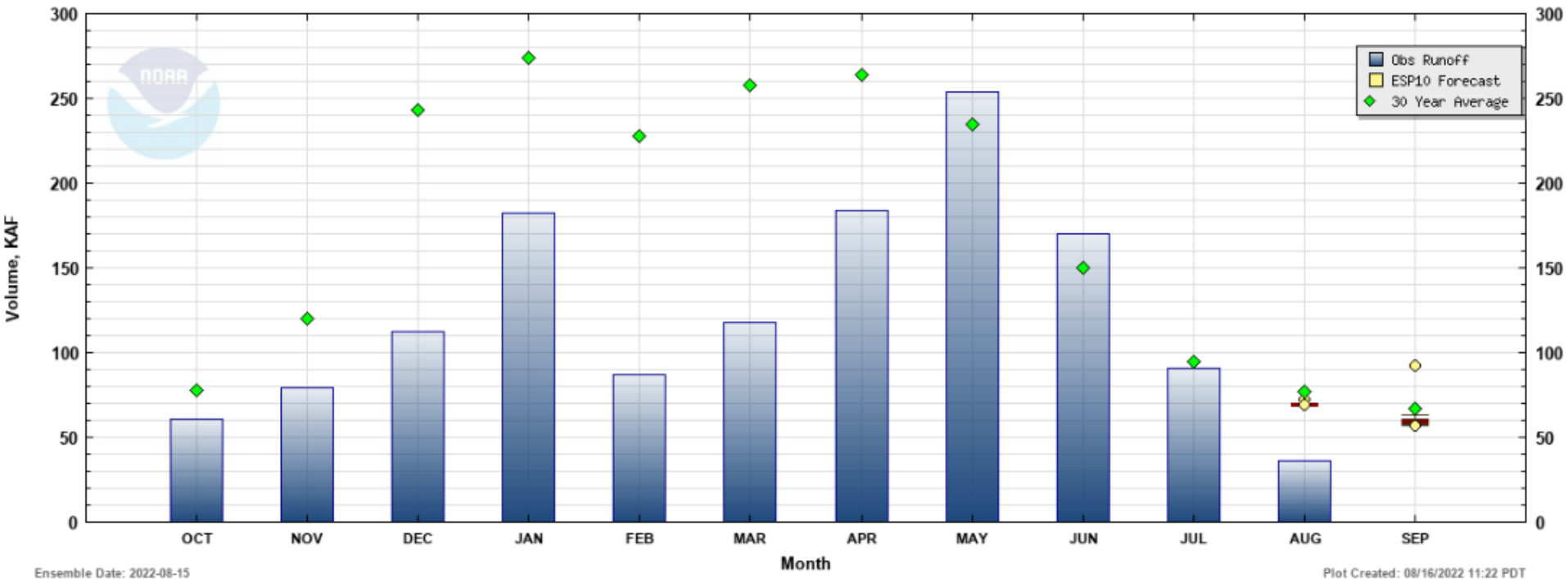
Plot Created: 08/16/2022 11:18 PDT



# Monthly Natural Volumes

## Rogue R near Raygold

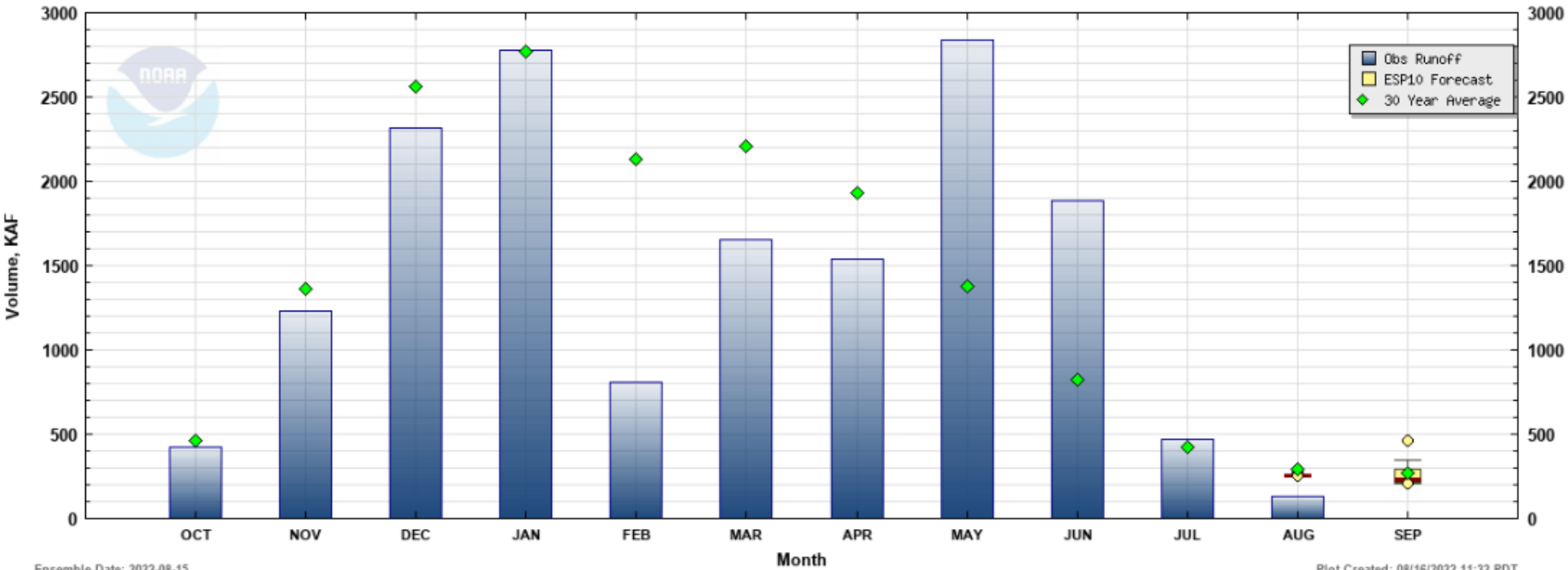
Natural Volume Monthly Forecasts (ESP10) for Water Year 2022  
(RYG03) ROGUE - AT RAYGOLD





# Monthly Natural Volumes Willamette R at Salem

Natural Volume Monthly Forecasts (ESP10) for Water Year 2022  
(SLM03) WILLAMETTE - AT SALEM

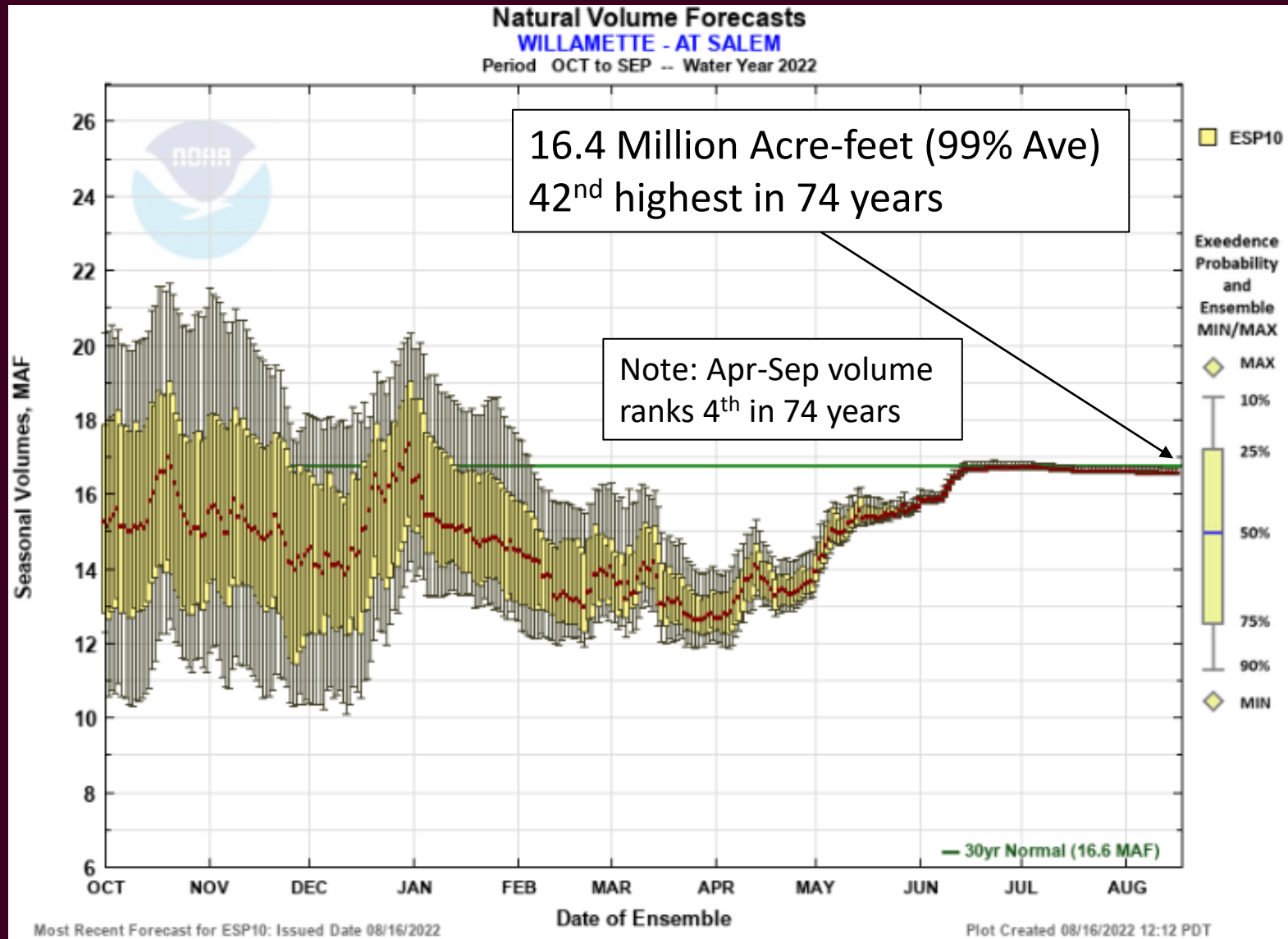


Ensemble Date: 2022-08-15

Plot Created: 08/16/2022 11:32 PDT



# Water Year Streamflow Volume Forecast Willamette R at Salem



# Oregon WSAC/DRC Drought Status and Climate Updates August 2022

*Larry O'Neill*  
*CEOAS Oregon State University*  
*Oregon Climate Service*

Wednesday, August 17, 2022

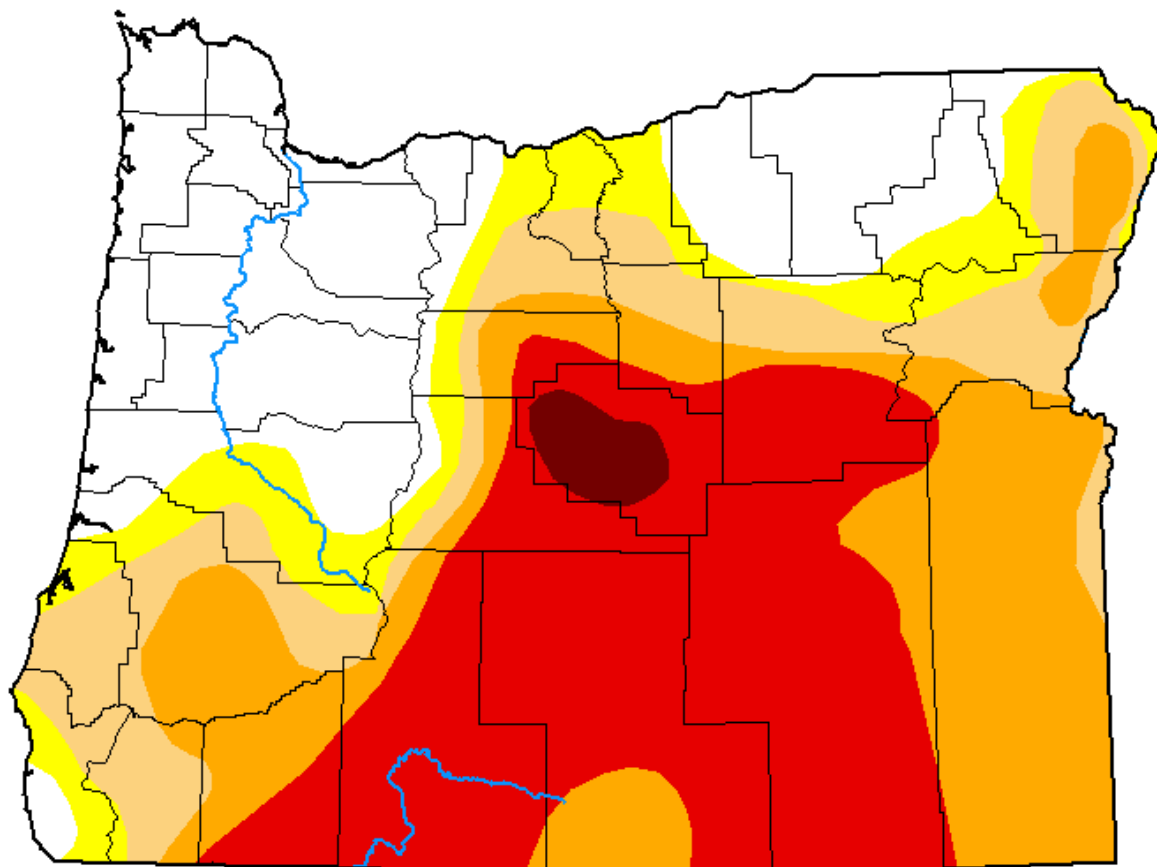


**Oregon State University**  
College of Earth, Ocean,  
and Atmospheric Sciences









# U.S. Drought Monitor Oregon

**August 9, 2022**  
(Released Thursday, Aug. 11, 2022)  
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:

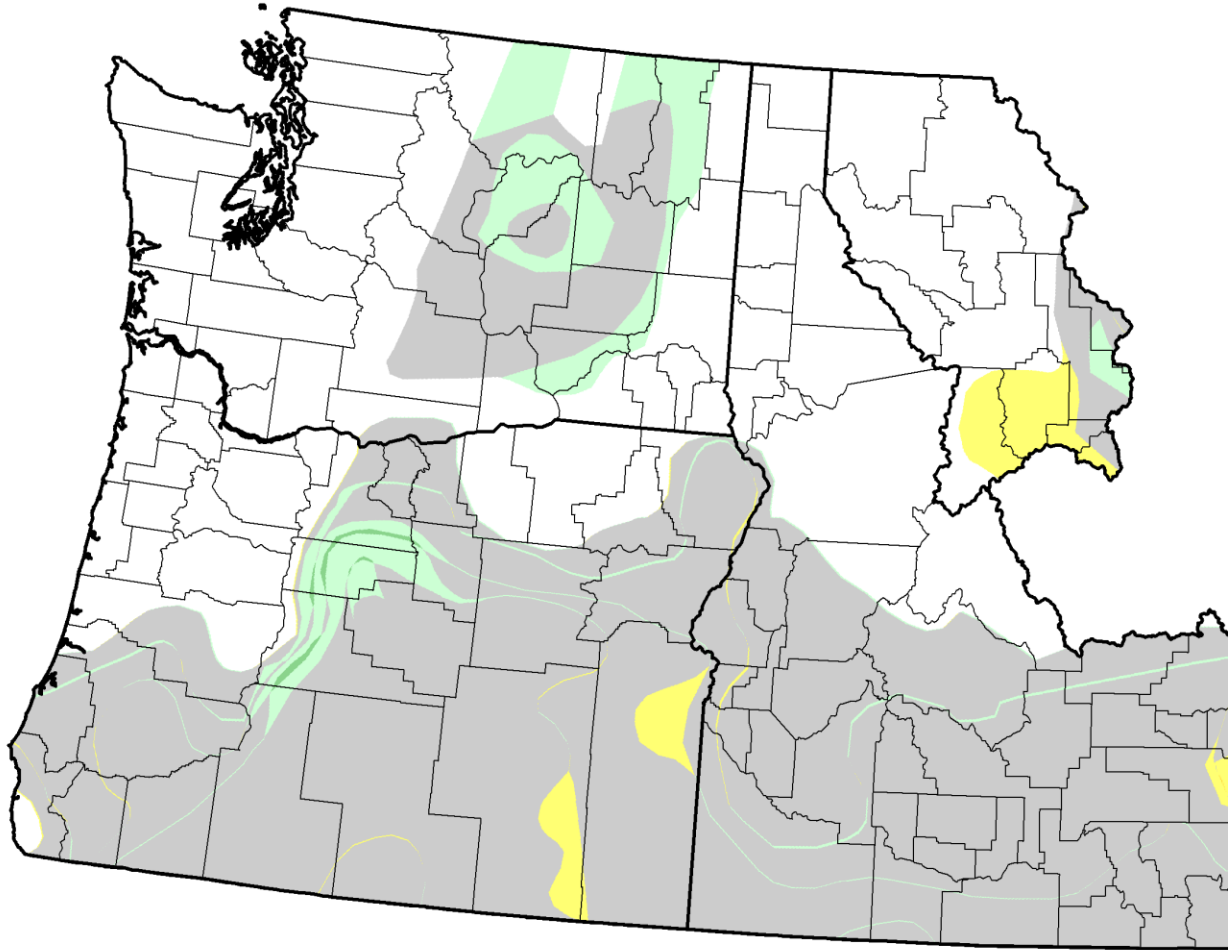
Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



# U.S. Drought Monitor Class Change - Pacific Northwest DEWS 4 Week




- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

August 9, 2022  
compared to  
July 12, 2022

[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

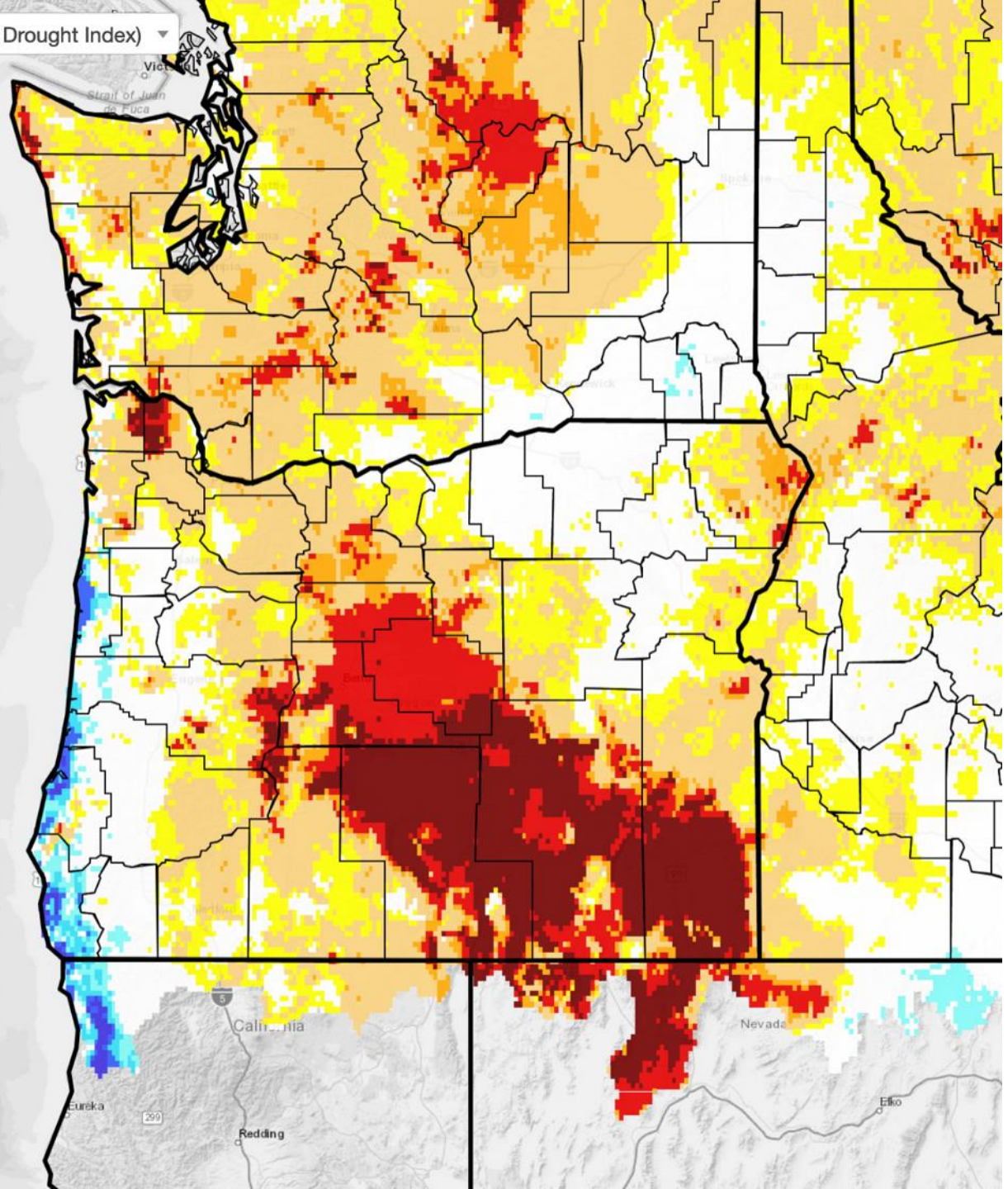
# Areal coverage of USDM drought categories in Oregon

Category	Coverage This Week	Coverage 4 weeks Ago
None	25.1% 	24.5%
D0: Abnormally Dry	9.4%	9.0%
D1: Moderate Drought	13.0%	12.5%
D2: Severe Drought	21.8%	20.9%
D3: Extreme Drought	<b>29.3%</b>	<b>31.3%</b>
D4: Exceptional Drought	<b>1.4%</b>	<b>1.8%</b>

EDDI (Evaporative Demand Drought Index) ▾

- Counties
- States
- Tribal Lands
- USDM
- Watersheds

- (a) 15 Day EDDI
- (b) 30 Day EDDI
- (c) 60 Day EDDI
- (d) 90 Day EDDI
- (e) 180 Day EDDI
- (f) 1 Year EDDI
- (h) Water Year EDDI
- (i) Year to Date EDDI

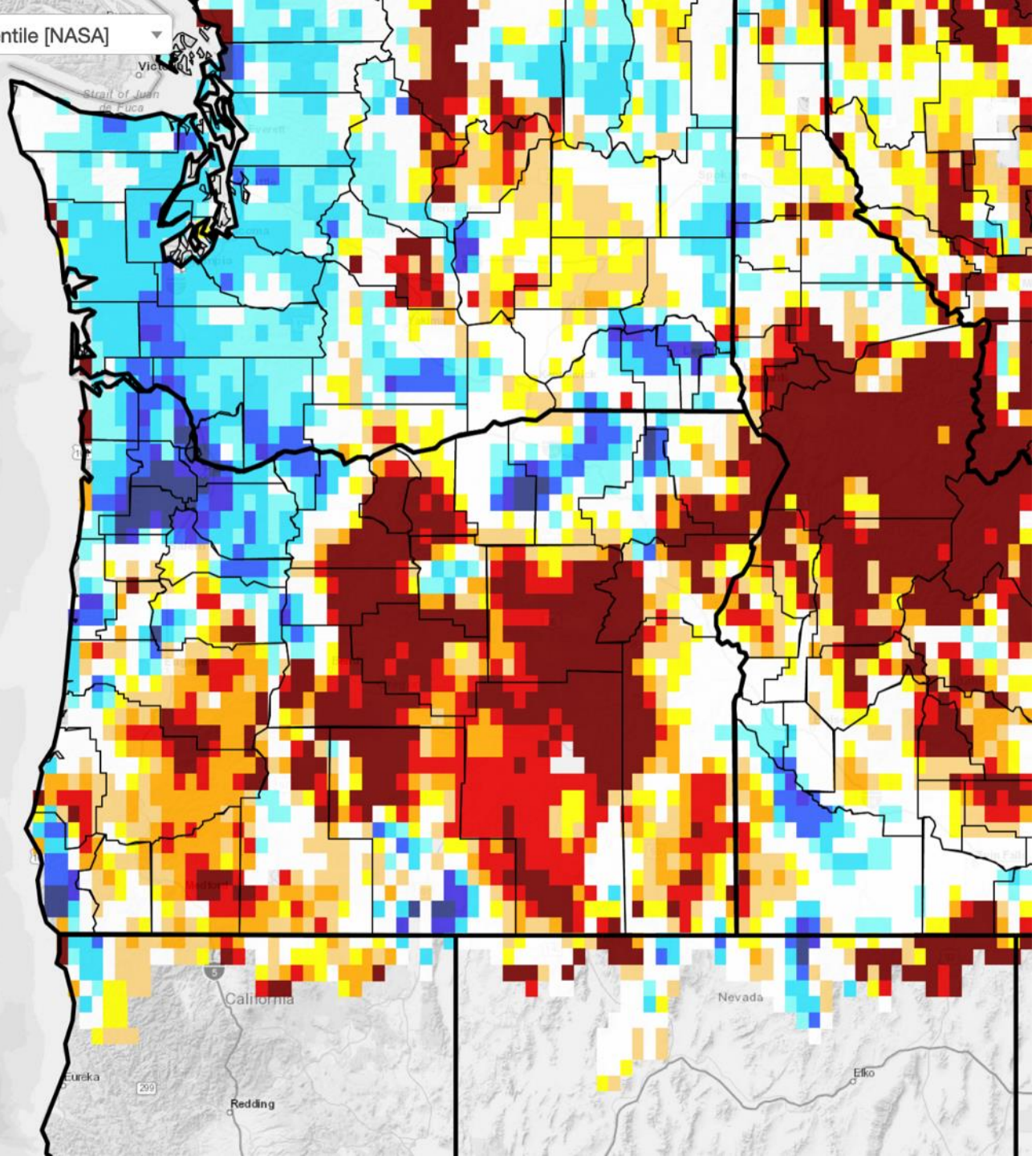


GRACE Groundwater Percentile [NASA]

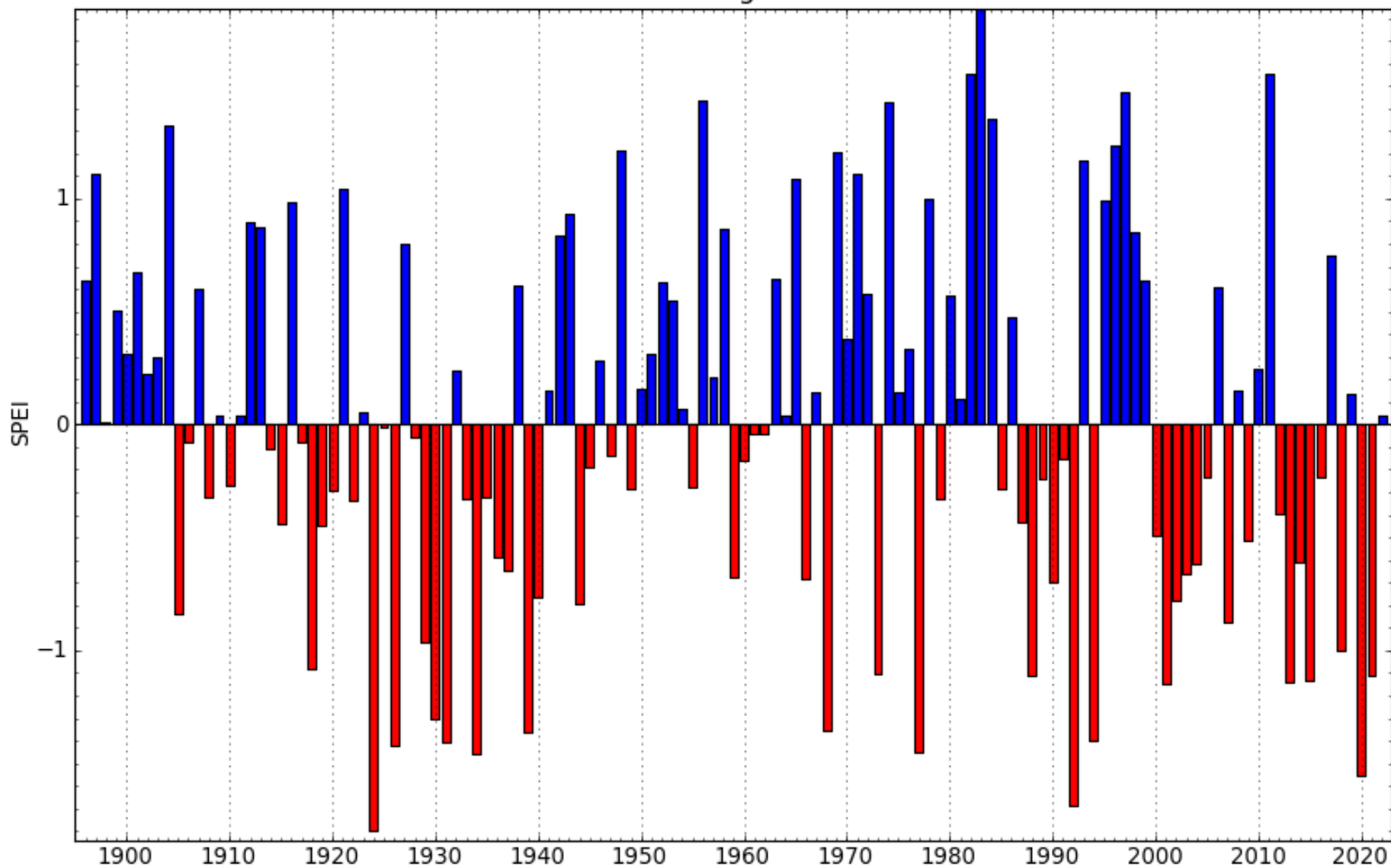
- Counties
- States
- Tribal Lands
- USDM
- Watersheds

(a) GRACE Groundwater

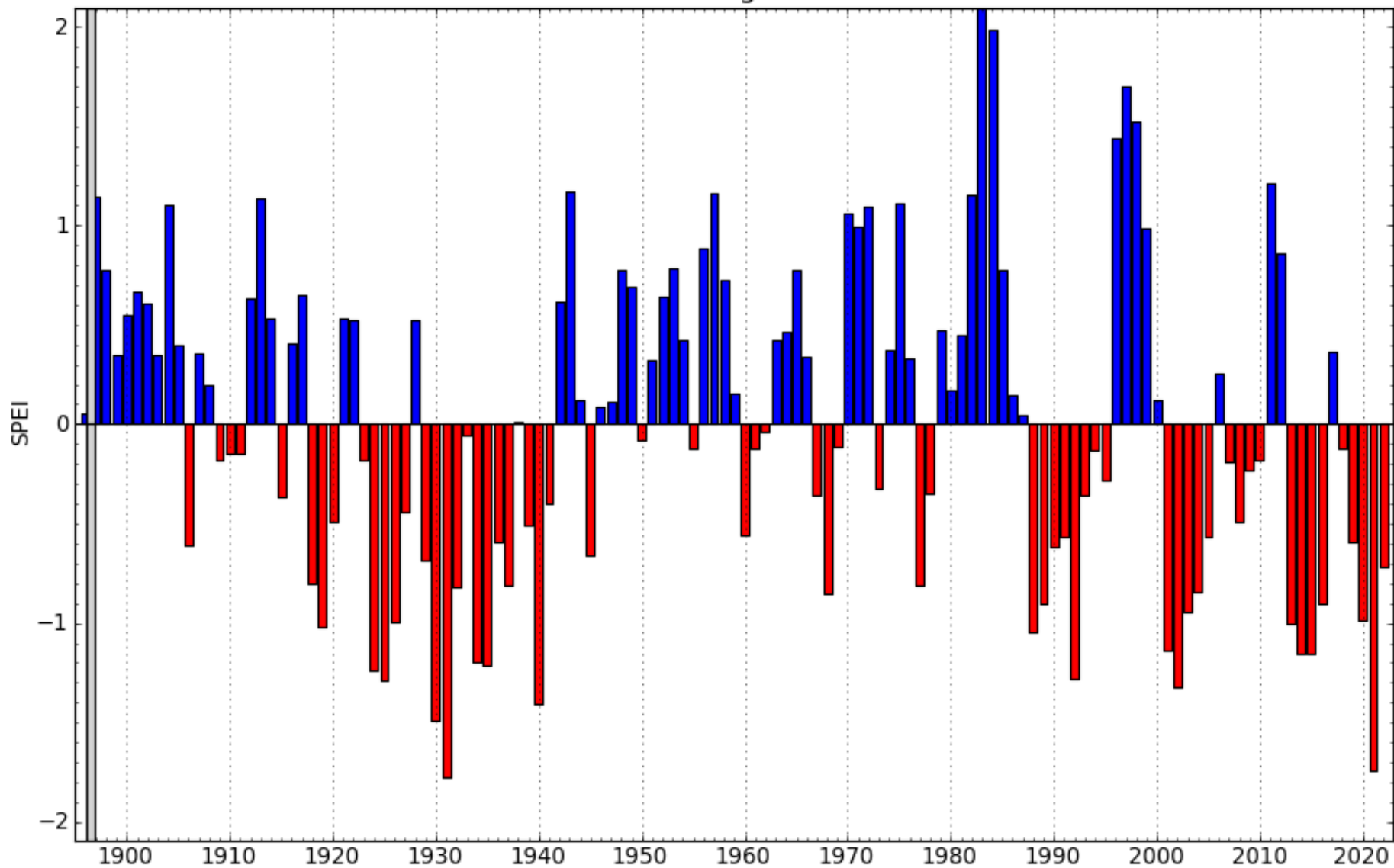
GRACE  
Groundwater  
2022-08-08



# Standardized Precipitation-Evapotranspiration Index, 12-Months Ending in July Oregon



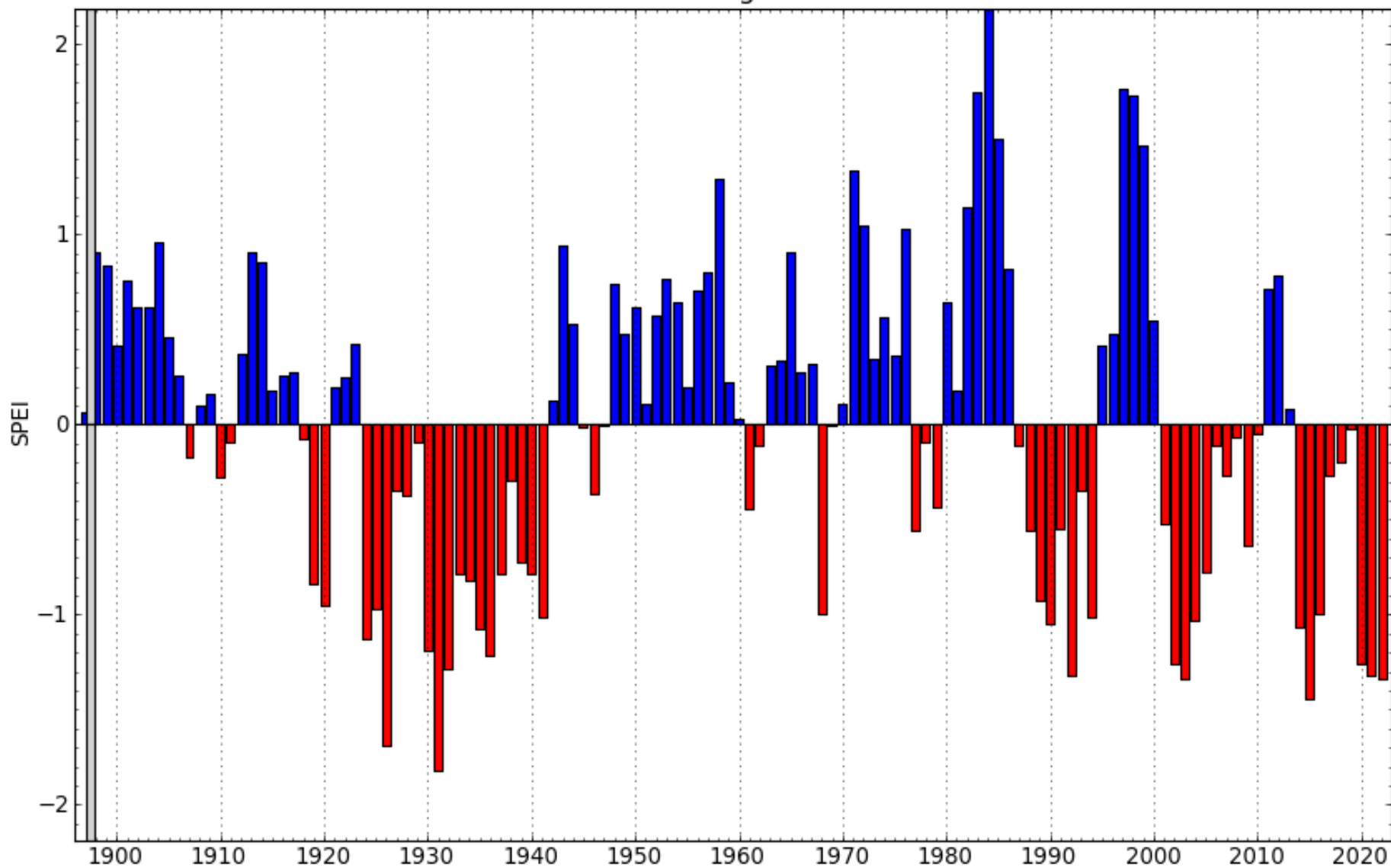
# Standardized Precipitation-Evapotranspiration Index, 24-Months Ending in July Oregon



No Record

Data Source: WRCC/UI, Created: 8-17-2022

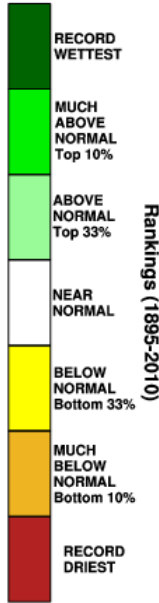
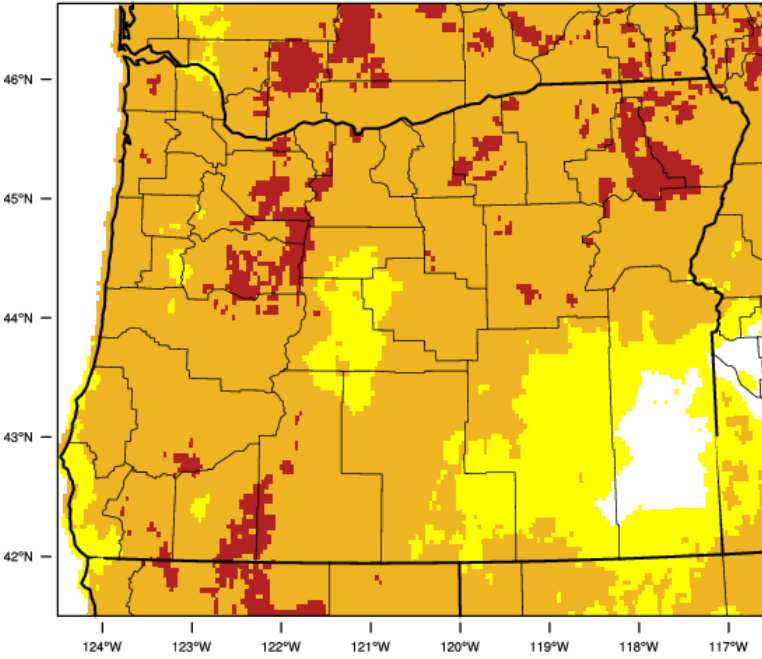
# Standardized Precipitation-Evapotranspiration Index, 36-Months Ending in July Oregon



No Record

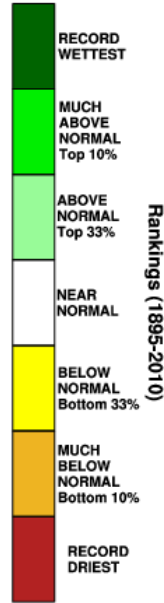
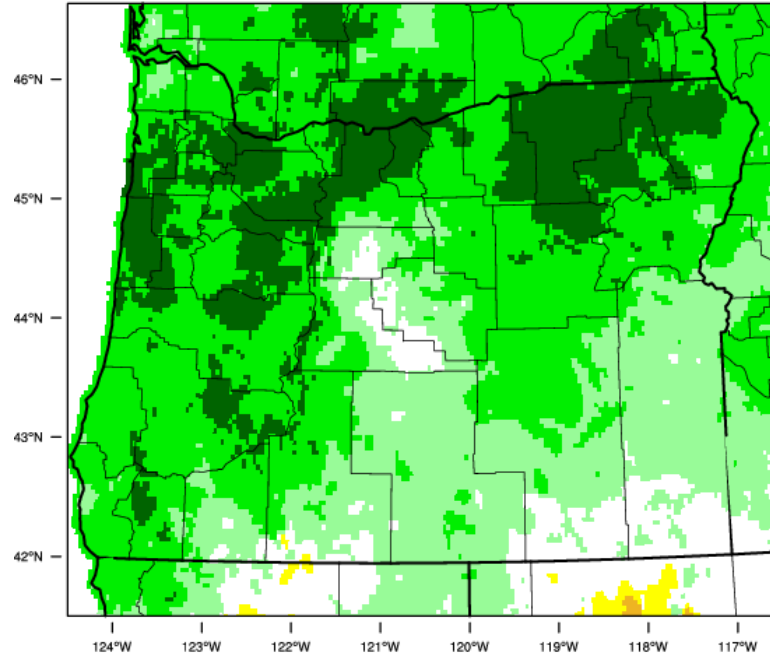
Data Source: WRCC/UI, Created: 8-17-2022

**Oregon - Precipitation**  
**April-June 2021 Percentile**



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Final), created 5 JAN 2022

**Oregon - Precipitation**  
**April-June 2022 Percentile**



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 11 JUL 2022



<b>Location &amp; Period of Record</b>	<b>Apr 1-Jun 30 2021</b>	<b>Apr 1-Jun 30 2022</b>
All of Oregon 1895-2022	3 <sup>rd</sup> Driest	Wettest
Astoria 1953-2022	Driest	4 <sup>th</sup> Wettest
Portland 1938-2022	Driest	Wettest
Salem 1893-2022	22 <sup>nd</sup> Driest	5 <sup>th</sup> Wettest
Corvallis 1893-2022	27 <sup>th</sup> Driest	4 <sup>th</sup> Wettest
Eugene 1939-2022	6 <sup>th</sup> Driest	7 <sup>th</sup> Wettest
Roseburg/Winchester 1953-2022	4 <sup>th</sup> Driest	3 <sup>rd</sup> Wettest
Grants Pass 1893-2022	11 <sup>th</sup> Driest	11 <sup>th</sup> Wettest
Medford 1911-2022	12 <sup>th</sup> Driest	21 <sup>st</sup> Wettest
Pendleton 1928-2022	2 <sup>nd</sup> Driest	Wettest
Heppner 1905-2022	3 <sup>rd</sup> Driest	3 <sup>rd</sup> Wettest
Moro 1917-2022	2 <sup>nd</sup> Driest	Wettest

Value

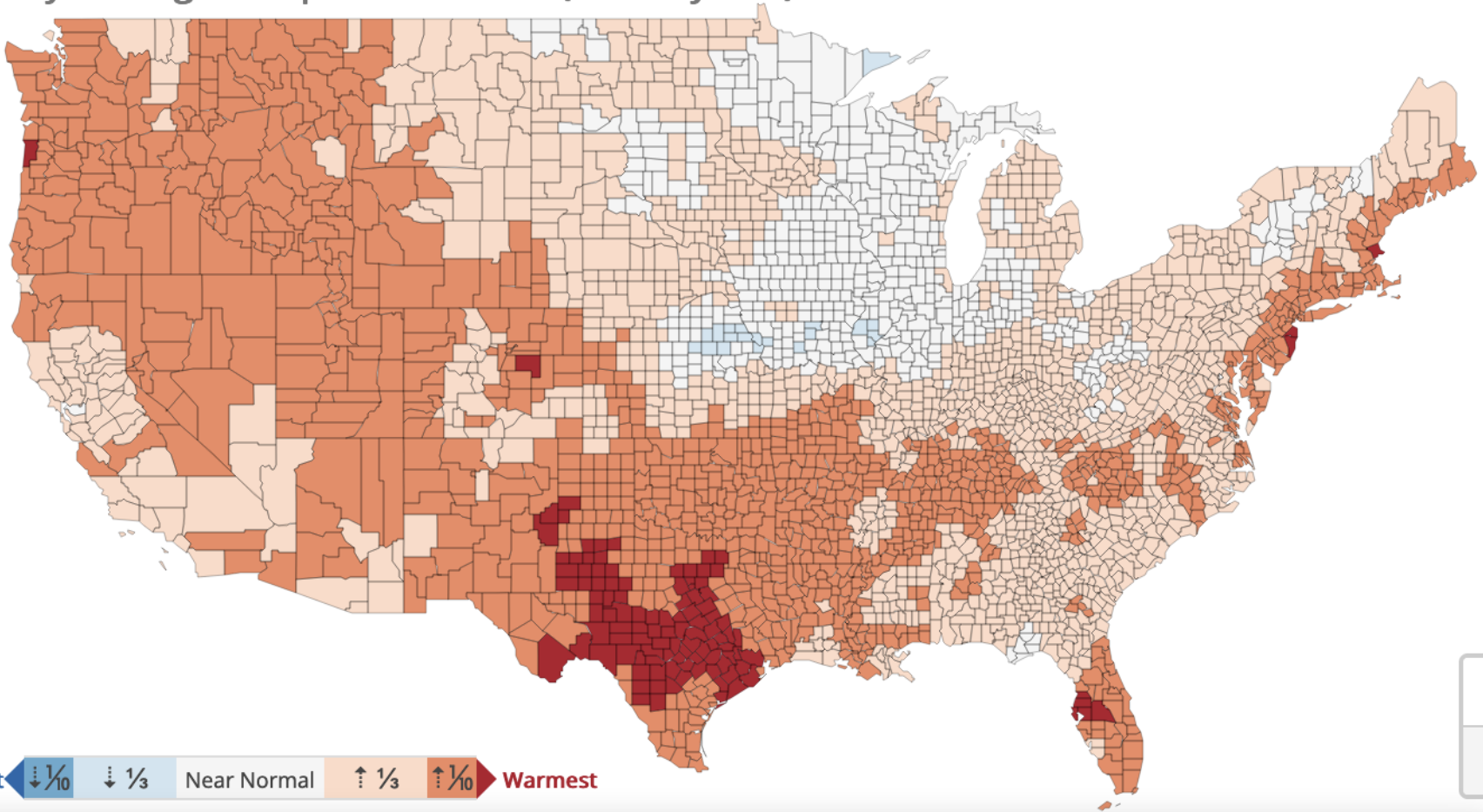
**Rank**

Anomaly

Mean

# County Average Temperature Rank (of 128 years)

July 2022



Coldest  $\downarrow \frac{1}{10}$   $\downarrow \frac{1}{3}$  Near Normal  $\uparrow \frac{1}{3}$   $\uparrow \frac{1}{10}$  Warmest

**Contiguous U.S.** (Hover over a county)

Temp: 76.4°F

Rank: 3rd Warmest

Anomaly: 2.8°F

Mean: 73.6°F



« June 2022

Value

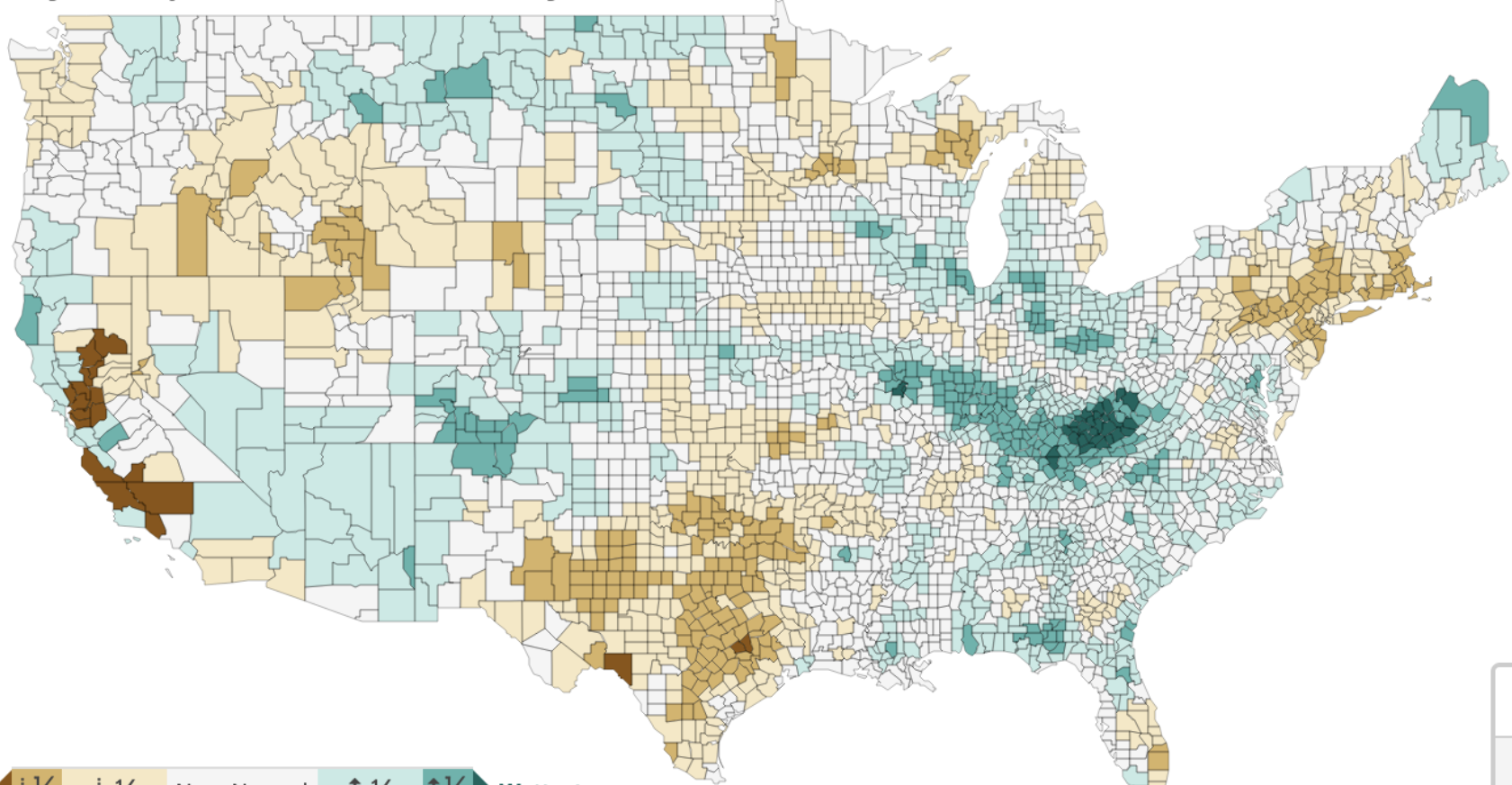
**Rank**

Anomaly

Mean

### County Precipitation Rank (of 128 years)

July 2022



Driest  $\downarrow \frac{1}{10}$   $\downarrow \frac{1}{3}$  Near Normal  $\uparrow \frac{1}{3}$   $\uparrow \frac{1}{10}$  Wettest

**Contiguous U.S.** (Hover over a county)

Precip: 2.74"

Rank: 55th Driest

Anomaly: -0.04"

Mean: 2.78"

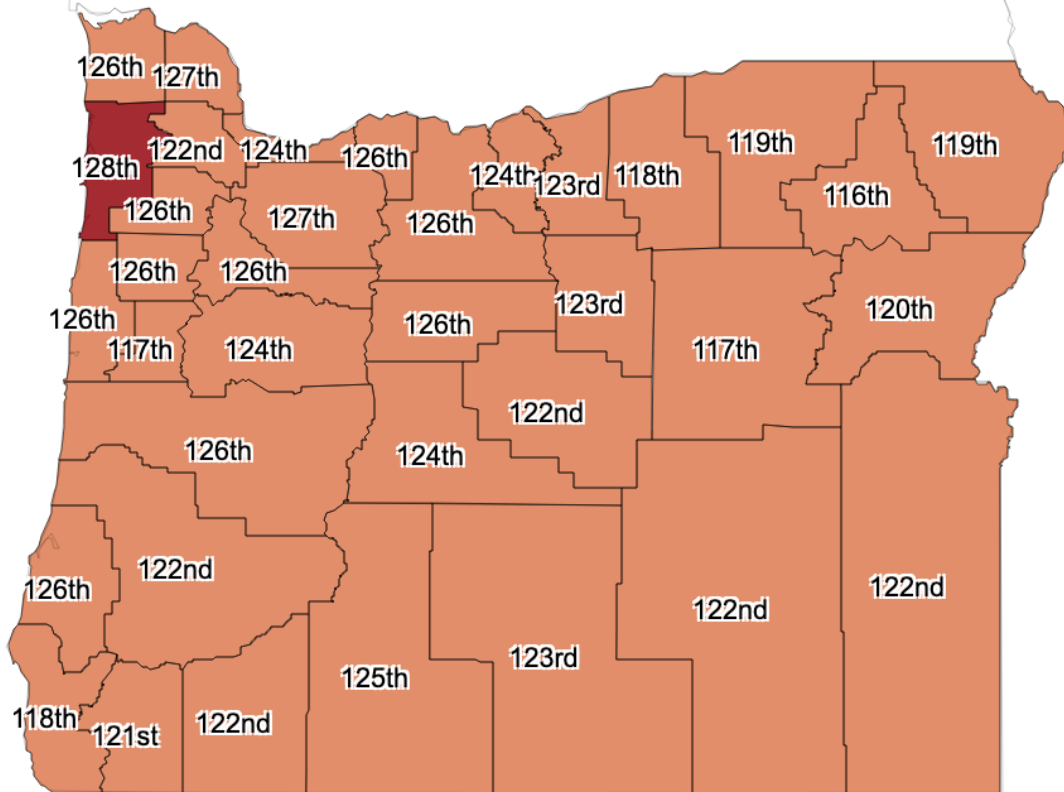


« June 2022

Value Rank Anomaly Mean

### County Average Temperature Rank (of 128 years)

July 2022



Coldest  $\downarrow\downarrow\frac{1}{10}$   $\downarrow\frac{1}{3}$  Near Normal  $\uparrow\frac{1}{3}$   $\uparrow\uparrow\frac{1}{10}$  Warmest

**Oregon** (Hover over a county)

Temp: 69.6°F

Rank: 4th Warmest

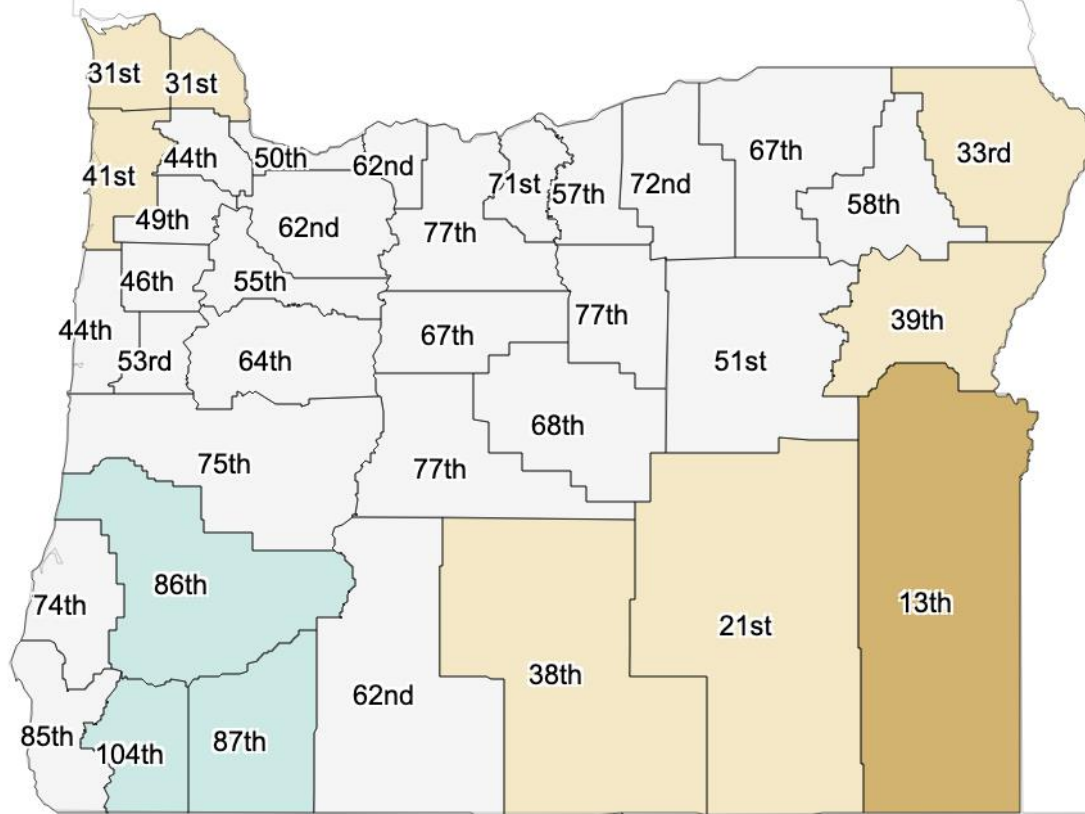
Anomaly: 4.8°F

Mean: 64.8°F



# County Precipitation Rank (of 128 years)

July 2022



Driest  $\downarrow \frac{1}{10}$   $\downarrow \frac{1}{3}$  Near Normal  $\uparrow \frac{1}{3}$   $\uparrow \frac{1}{10}$  Wettest

**Oregon** (Hover over a county)

Precip: 0.27"

Rank: 50th Driest

Anomaly: -0.26"

Mean: 0.53"



# Number of days above 90°F

2022 to date

All of 2021

	Average # of 90°F+ days	# of days $\geq 90^\circ\text{F}$	Rank	# of days $\geq 90^\circ\text{F}$	Rank
Portland	12	19	Tied-14	24	Tied-3
Salem	15	20	Tied-30	41	1
Eugene	16	20	Tied-24	42	1
Roseburg (Riddle)	27	30	Tied-41	65	Tied-1
Medford	54	44	>50	74	Tied-5
Klamath Falls	15	28	Tied-5	53	1
Redmond	27	32	24	57	2
Bend	16	20	Tied-31	38	2
Burns	27	39	Tied-7	61	1

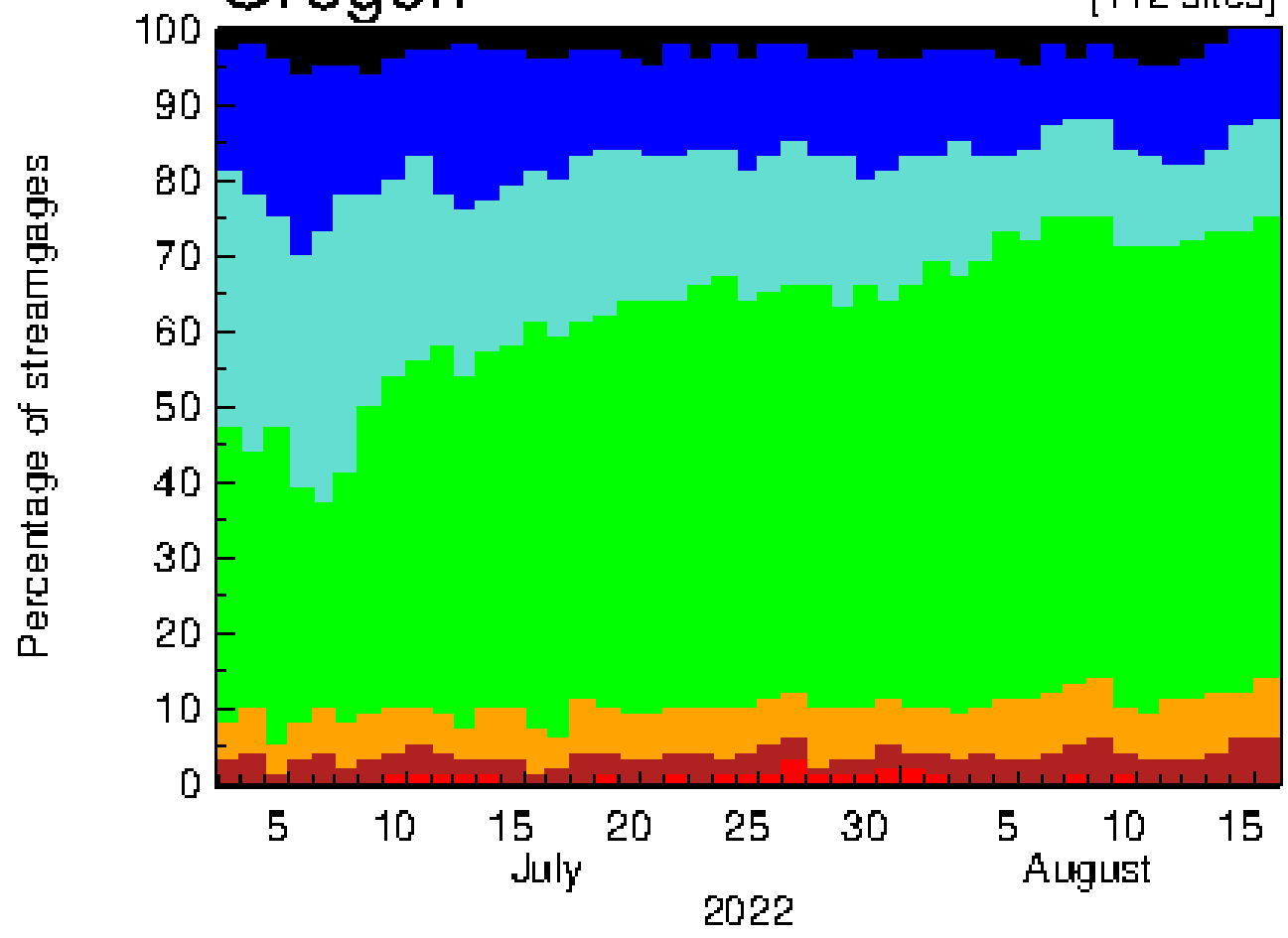
Table of select stations in Oregon with POR>50 years



# Last 45 Days

## Oregon

[112 sites]







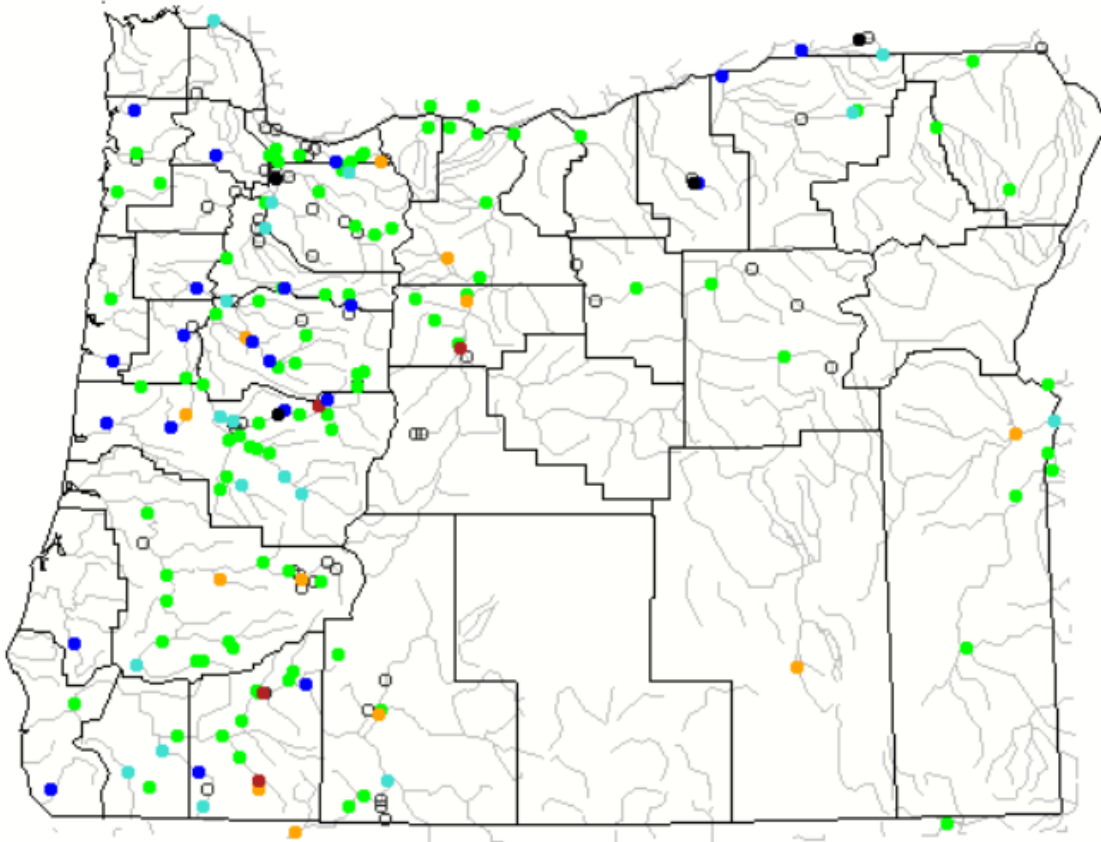
# Oregon Water Supply Availability Meeting

August 2022

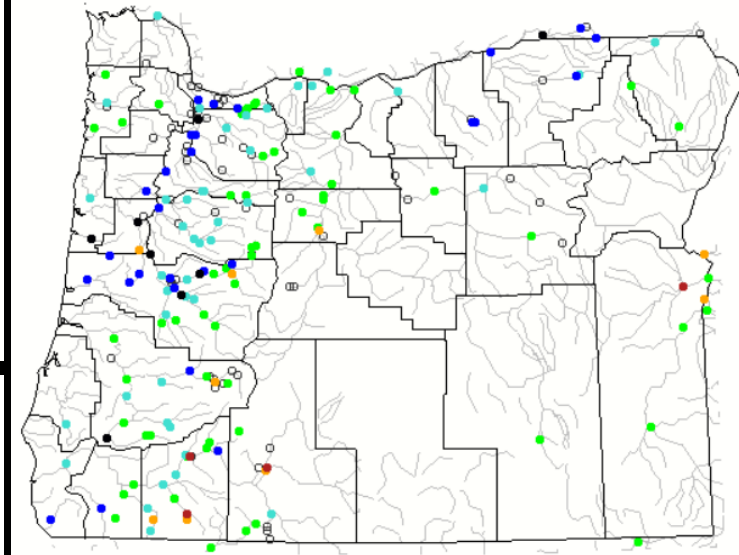
# Streamflow Conditions

7-day Average Streamflow (as compared to Historical Record)

Monday, August 15, 2022



Monday, July 11, 2022



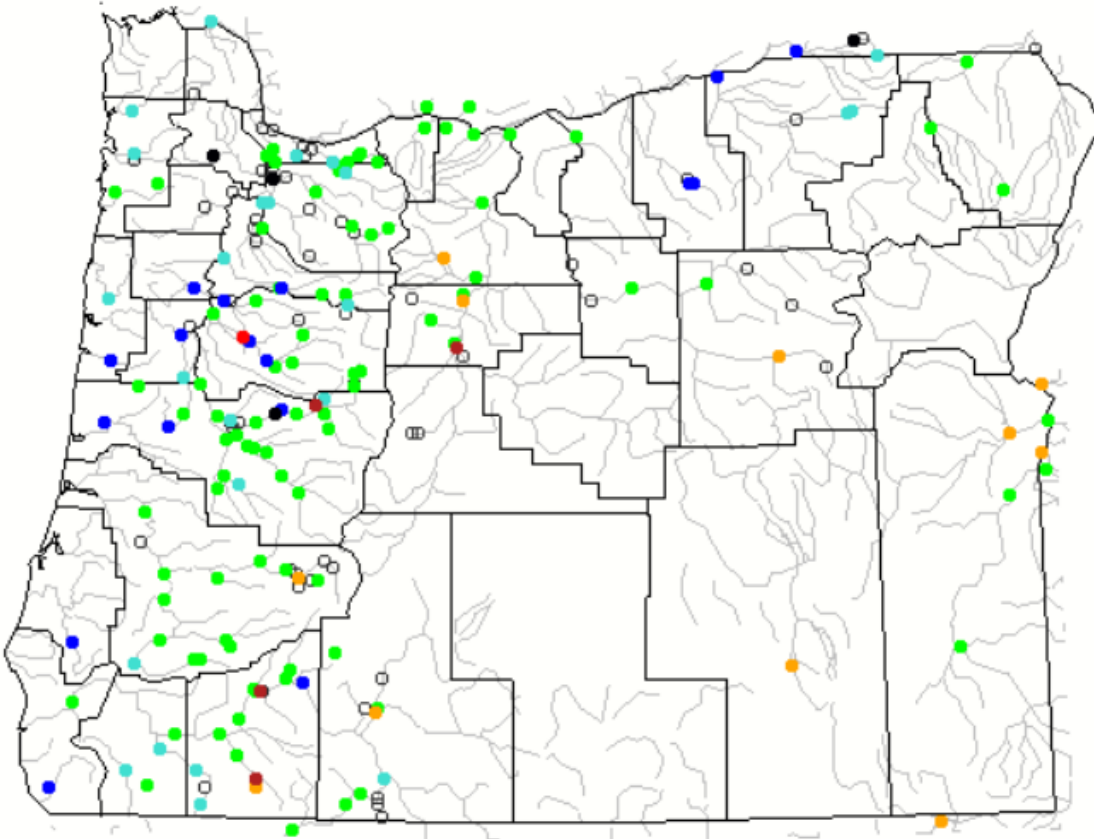
Explanation - Percentile classes

Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

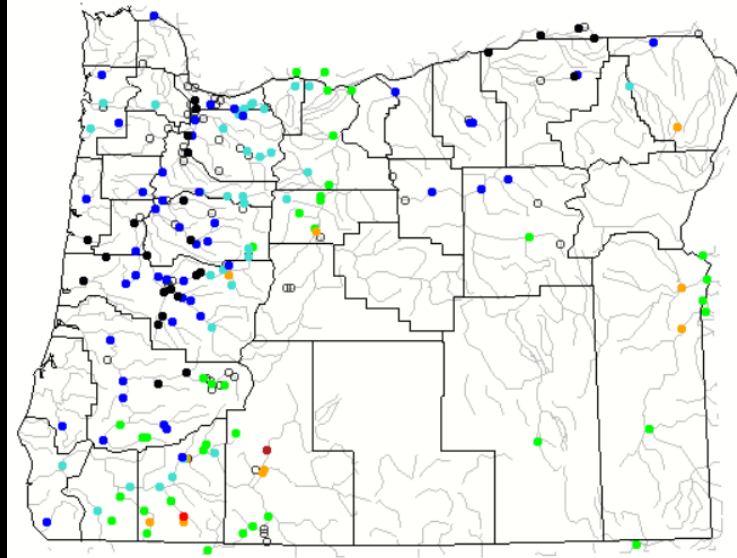
# Streamflow Conditions

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

Monday, August 15, 2022



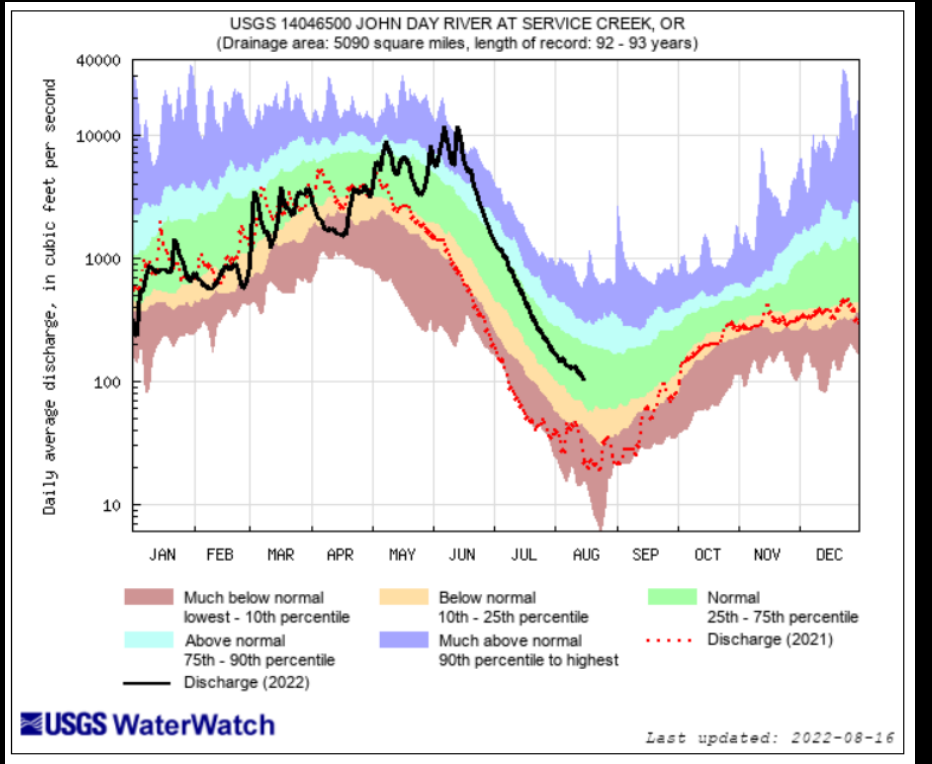
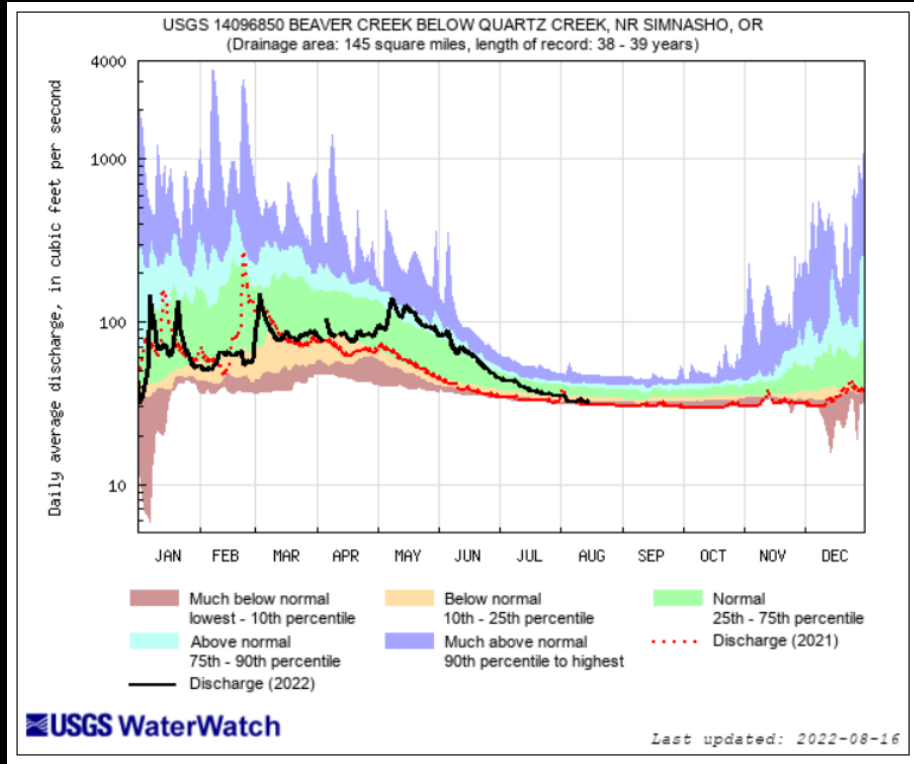
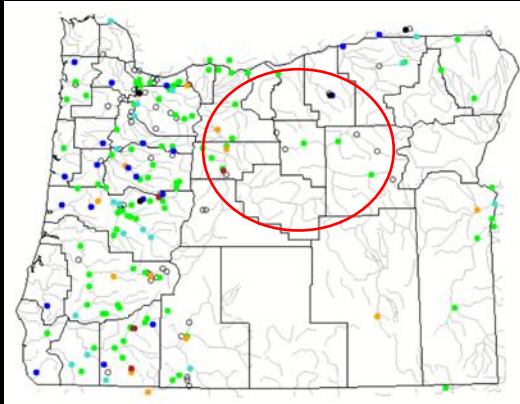
Monday, July 11, 2022



Explanation - Percentile classes

Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

# Northeastern OR

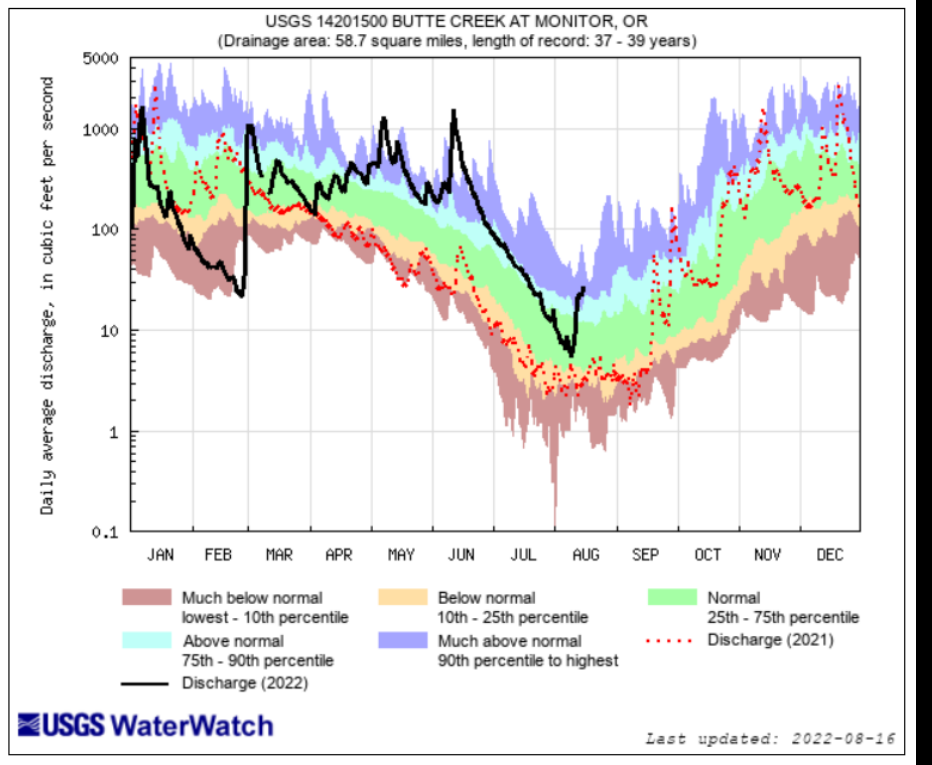
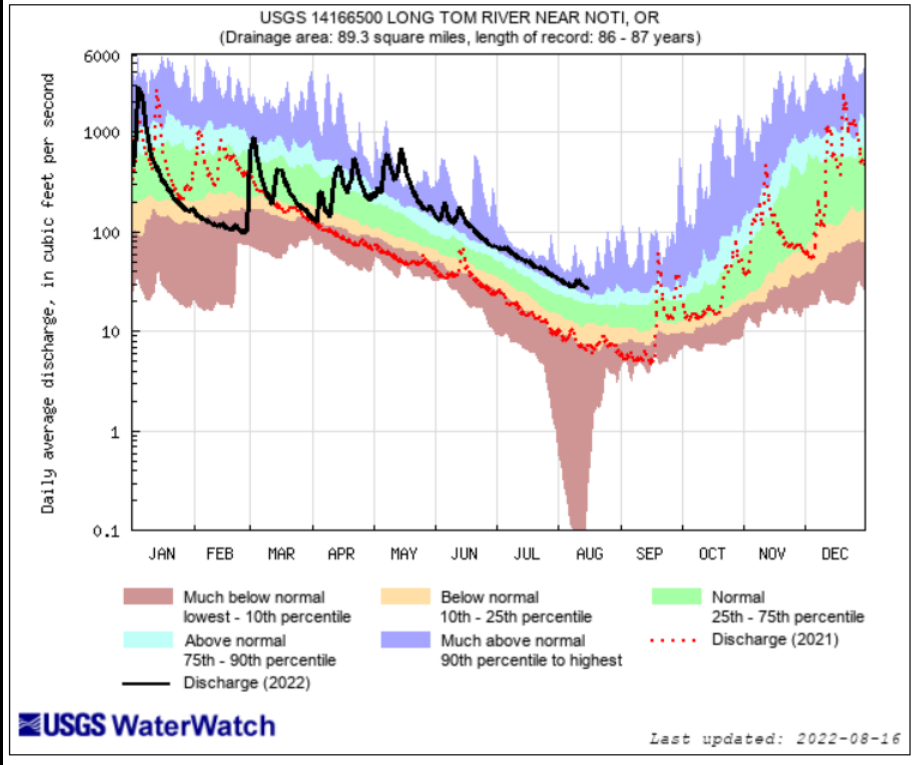
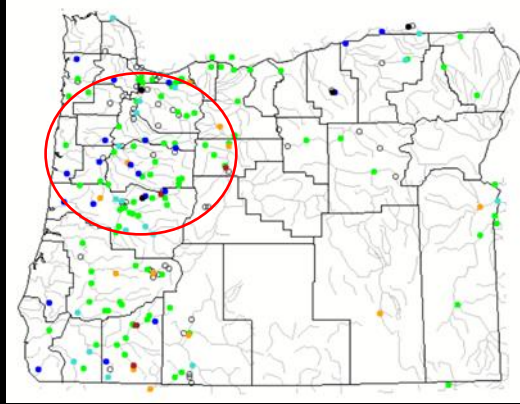


Explanation - Percentile classes

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



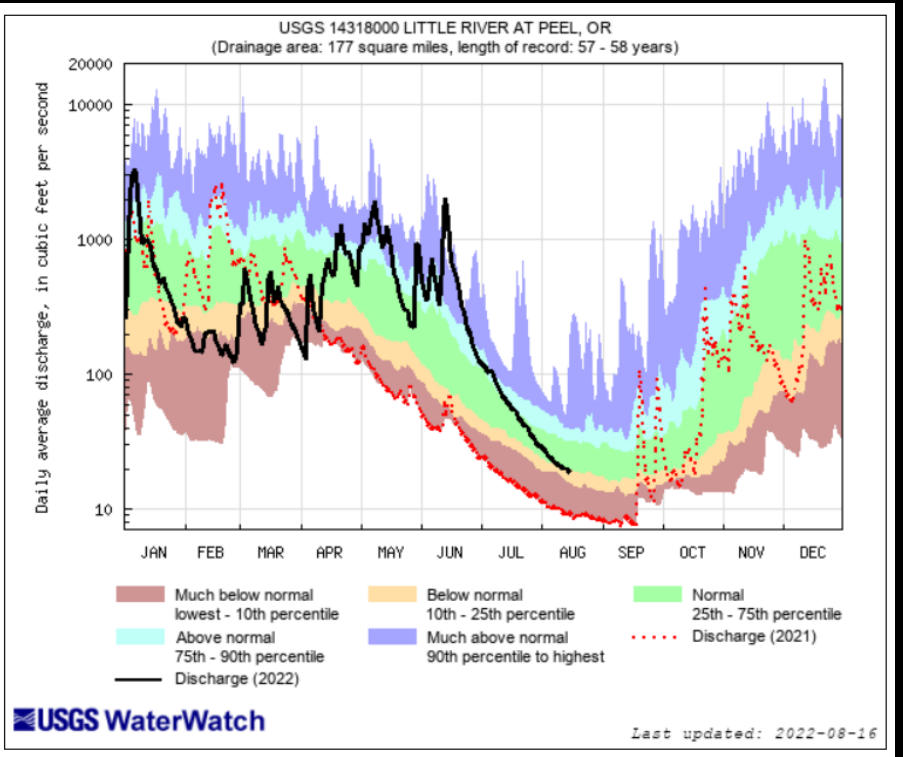
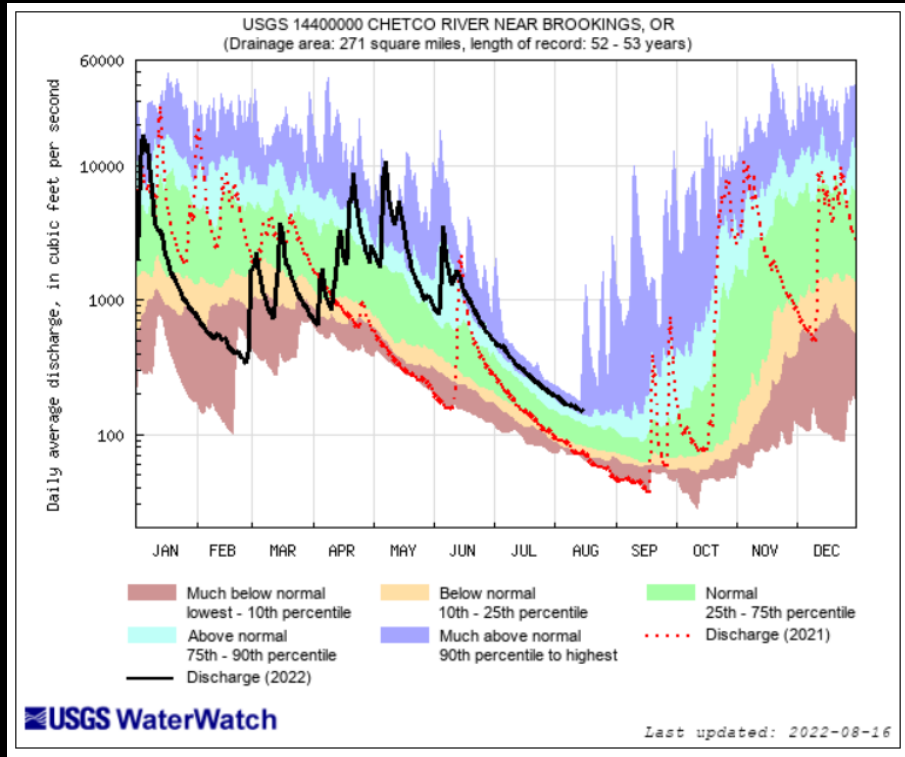
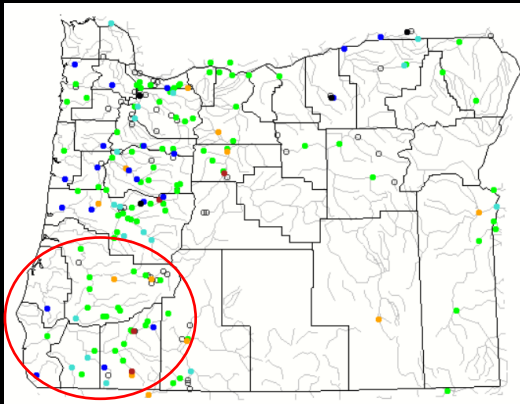
# Northwestern OR



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	



# Southwestern OR

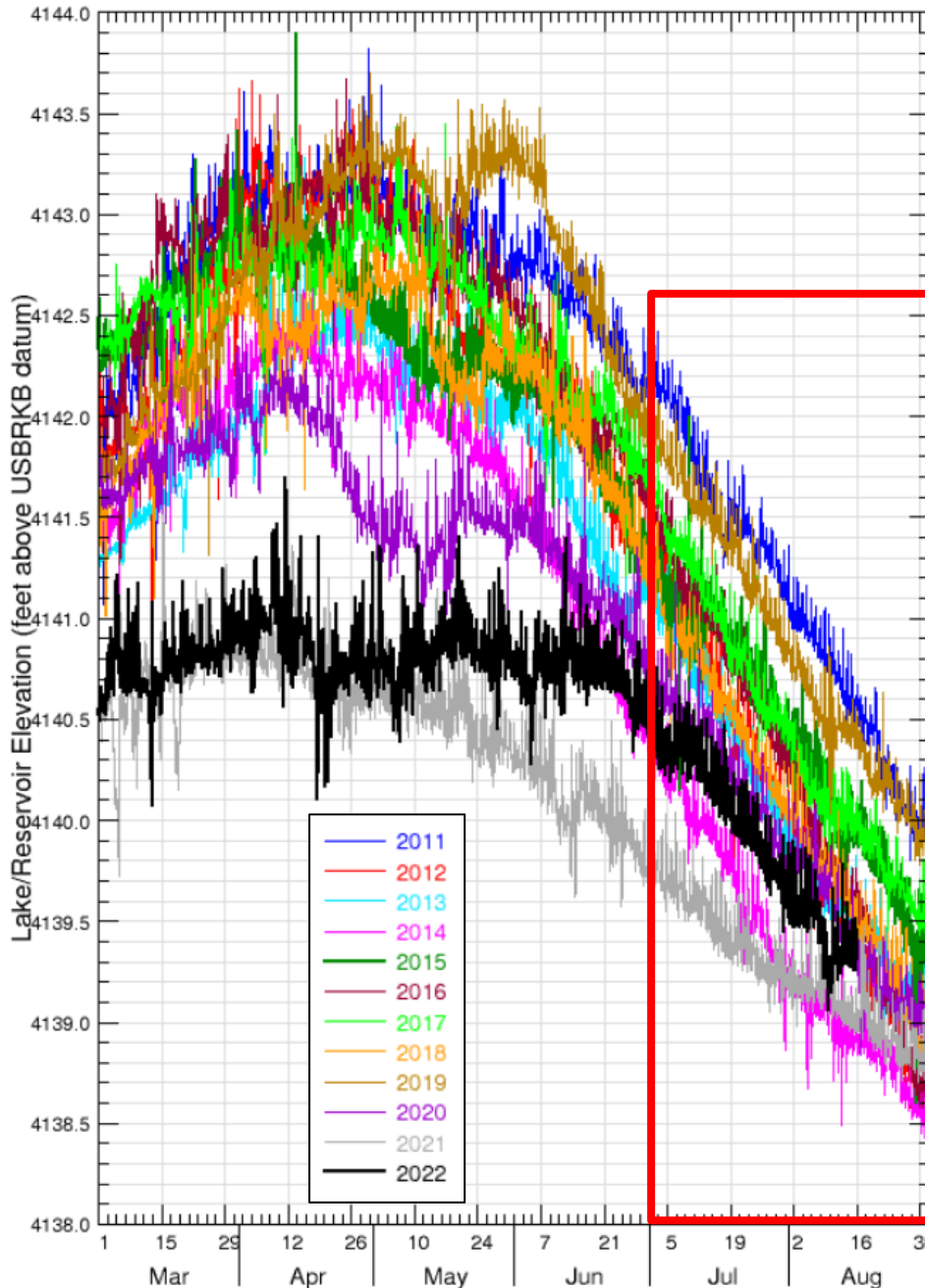


Explanation - Percentile classes					
lowest-10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

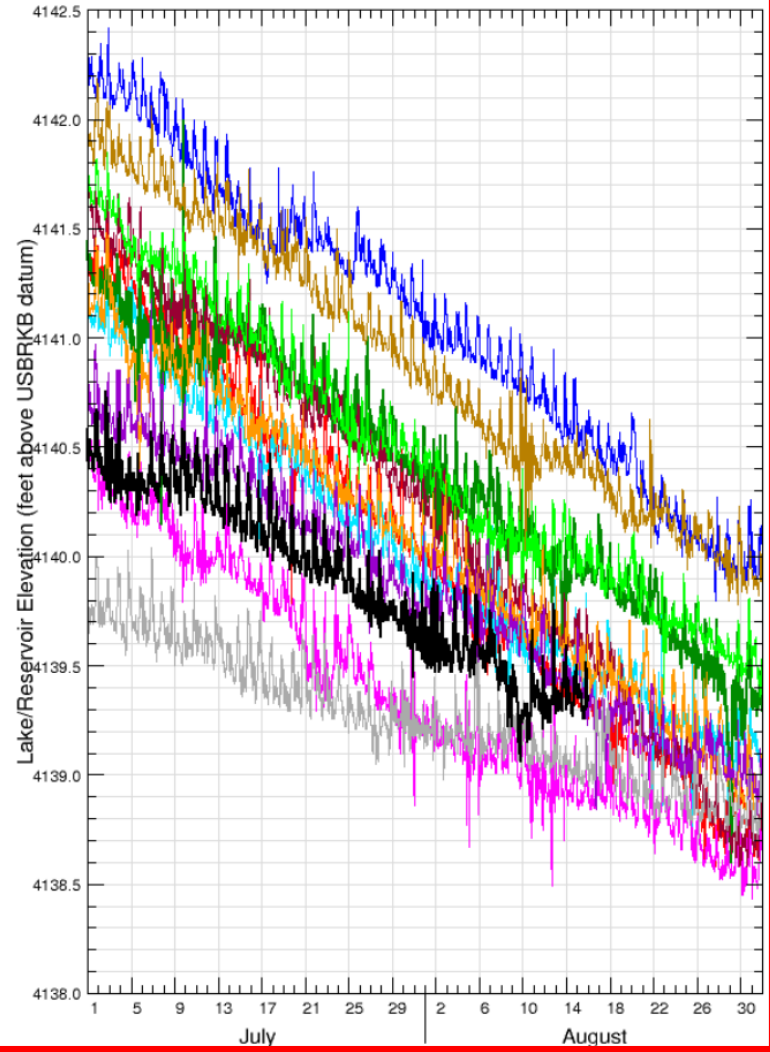


# Upper Klamath Lake near Klamath Falls, OR (11507000)

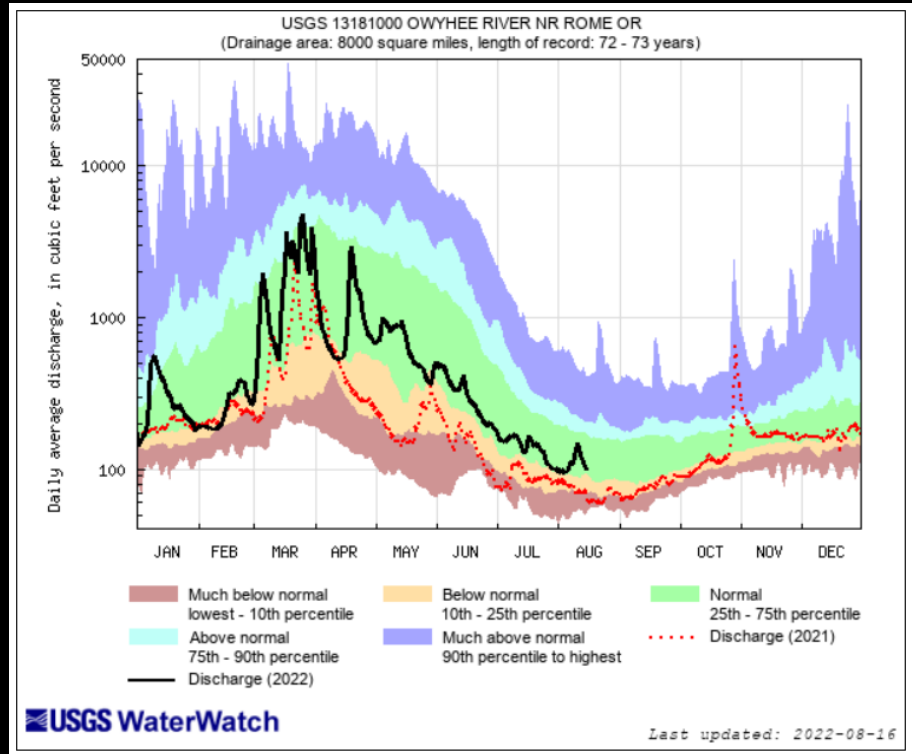
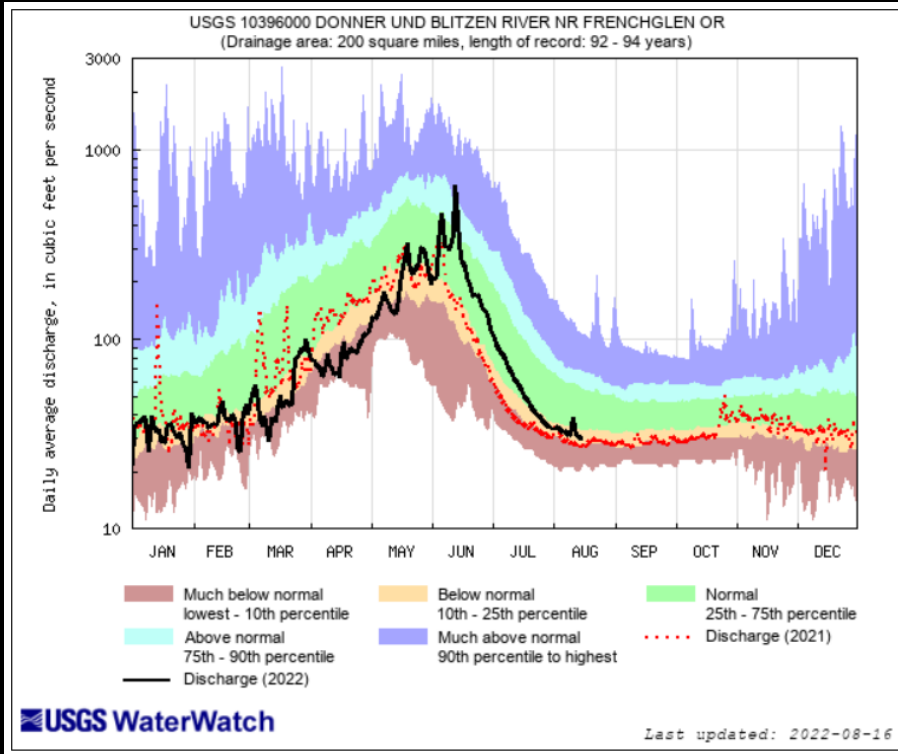
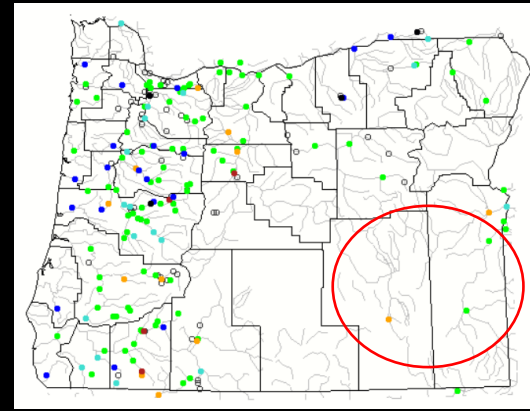
Data from U.S. Geological Survey



# Klamath Lake



# Southeastern OR



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	





US GEOLOGICAL SURVEY, OREGON WATER SCIENCE CENTER  
 WATER AVAILABILITY REPORT FOR JULY 2022

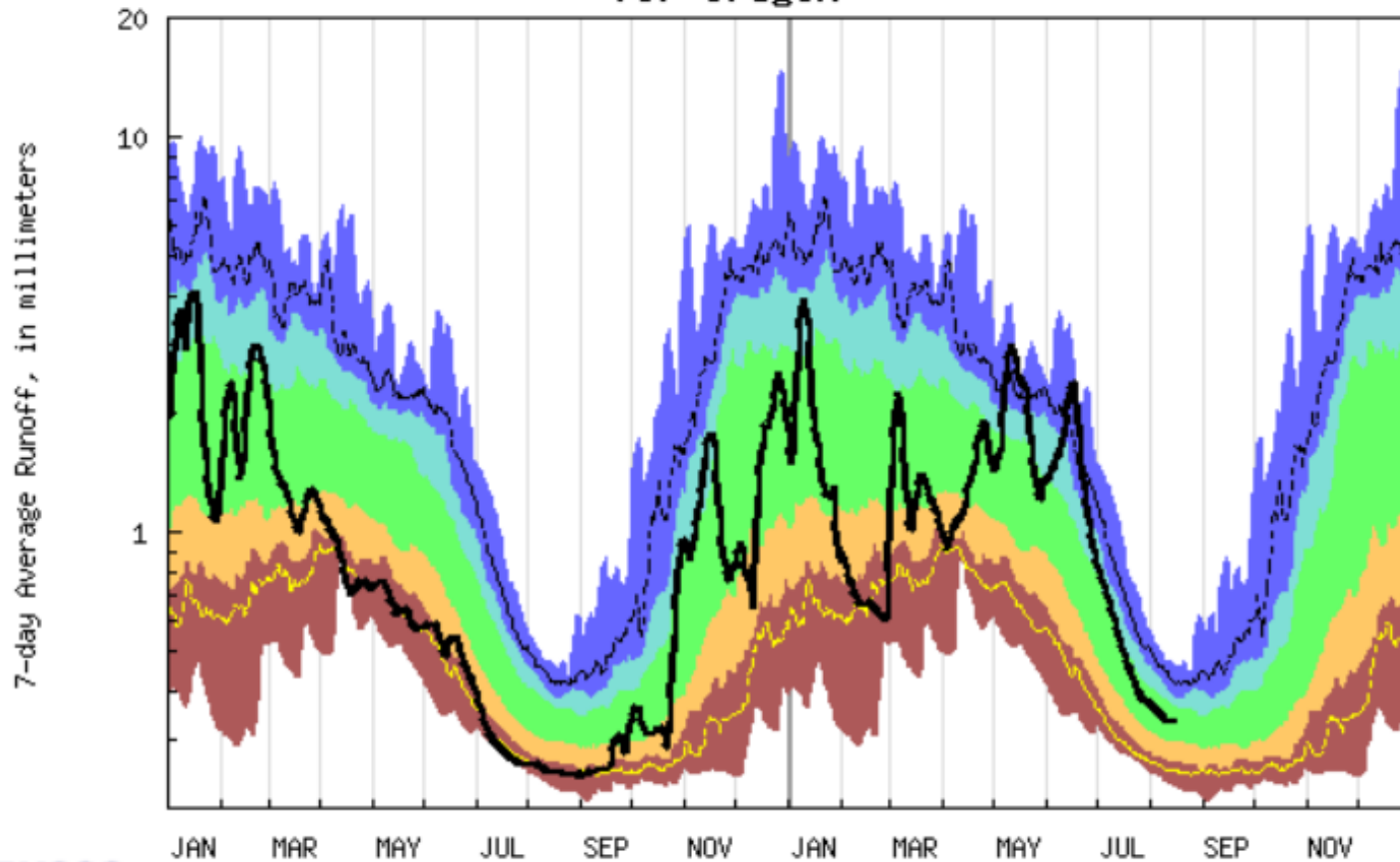
Station	NRCS SWSI Basin	Monthly mean discharge		Change in dis- charge from previous month (percent)	Accumulated Runoff For the Period Oct. to July  Percent of average
		Cubic feet per second	Percent of average		
Donner Und Blitzen nr Frenchglen	Harney	58	64	-78	61
(*)Deep Creek above Adel	Lake County	8	25	-92	50
(*)Chewaucan River near Paisley	Lake County	31	55	-67	60
Williamson River near Chiloquin	Klamath	461	90	-22	62
Owyhee River near Rome	Owyhee	141	70	-53	59
(*)NF Malheur River near Beulah	Malheur	53	87	-62	57
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	2,600	140	-76	97
Umatilla River nr Gibbon	Umatilla Lower John Day	74	128	-87	107
John Day River at Service Crk	Upper John Day	589	123	-90	82
(*)Little Deschutes River nr LaPine	Upper Deschutes	87	61	-59	51
Hood River nr Hood River	Lower Deschutes Mt.Hood	587	123	-61	105
Willamette River at Salem	Willamette	10,200	133	-67	106
Wilson River near Tillamook	North Coast	196	133	-68	118
Umpqua River near Elkton	Rogue/Umpqua	1,760	111	-76	81
Rogue River near Agness	Rogue/Umpqua	2,660	108	-38	61
SF Coquille River at Powers	South Coast	84	156	-74	86
Chetco River near Brookings	South Coast	343	170	-71	87

All data should be considered provisional and subject to revision.  
 Percent of average computed using 30-year base period, water years 1991-2020.  
 (\*) provided by Oregon Water Resources Department

08/02/2022



# Duration hydrograph of 7-day average runoff for Oregon



**USGS WaterWatch**

2021

2022

Last updated: 2022-08-16

Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Runoff

Water Supply Availability Committee  
Oregon Water Resources Department

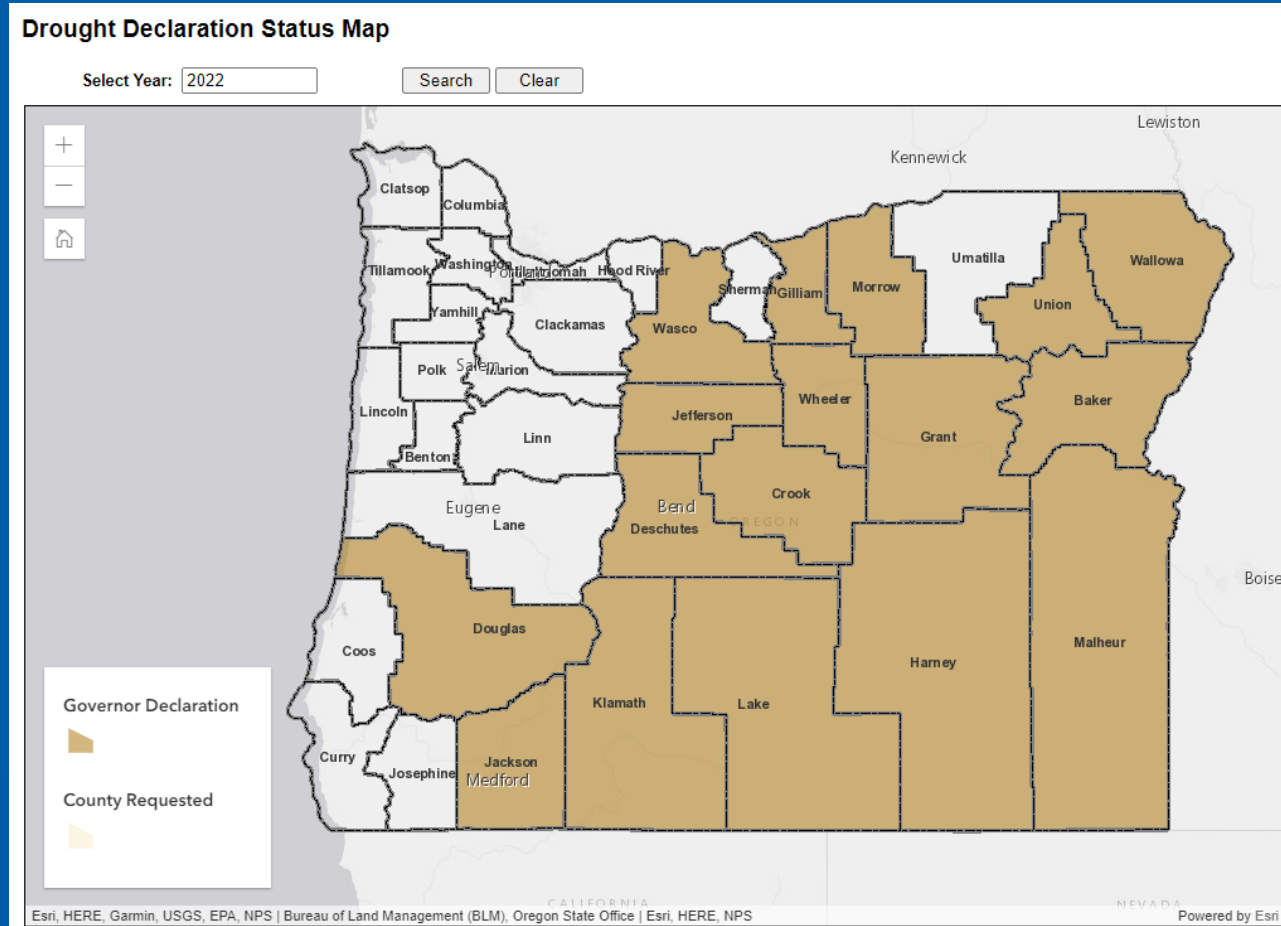
Ryan Andrews  
August 17<sup>th</sup>, 2022



# Drought Declarations



- 17 counties with ORS 536 declarations
- 29 counties with USDA crop disaster designations due to drought



# July % of Average Streamflow - WY 2022

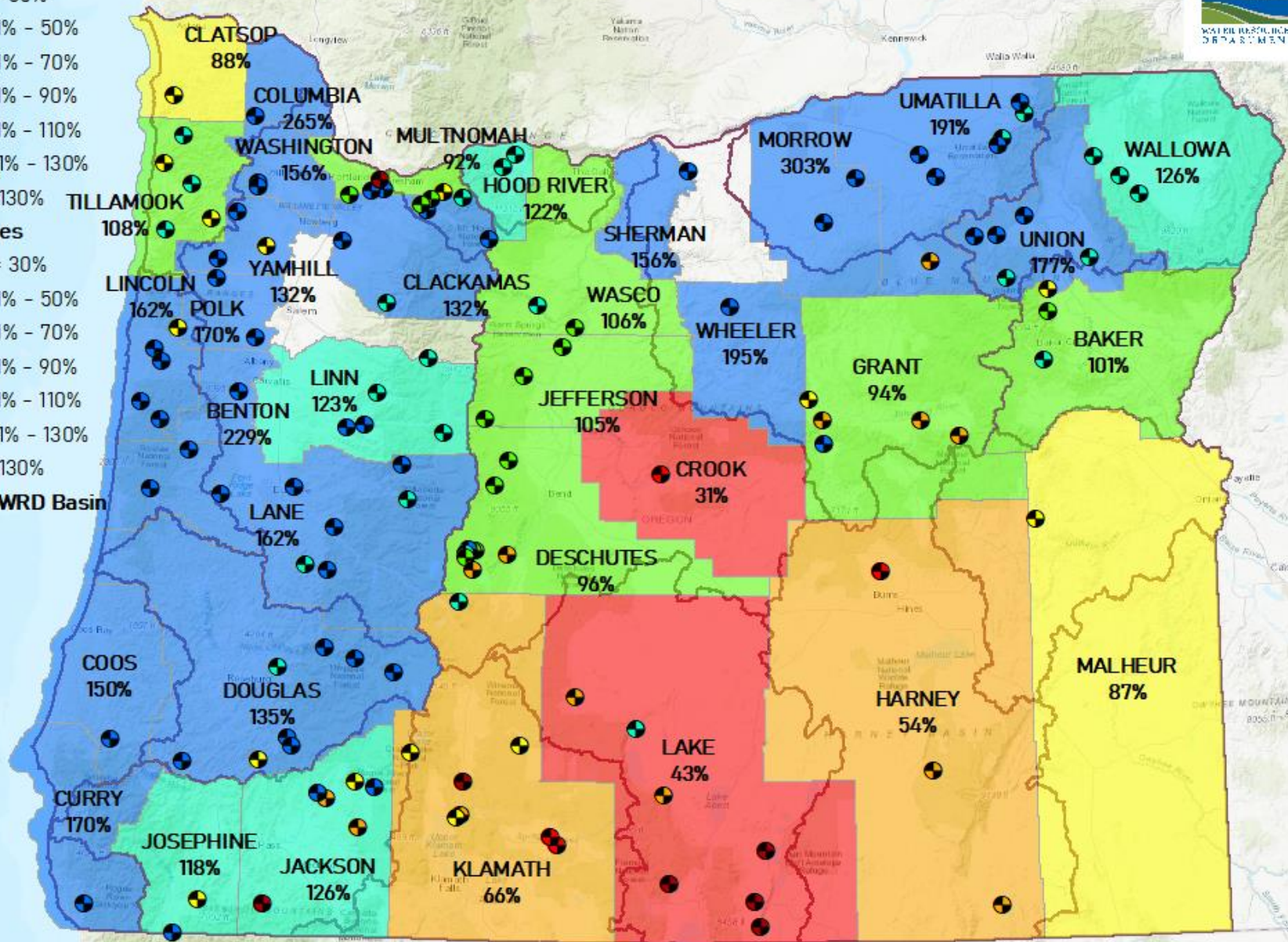


## Stream Gage

- <= 30%
- 31% - 50%
- 51% - 70%
- 71% - 90%
- 91% - 110%
- 111% - 130%
- > 130%

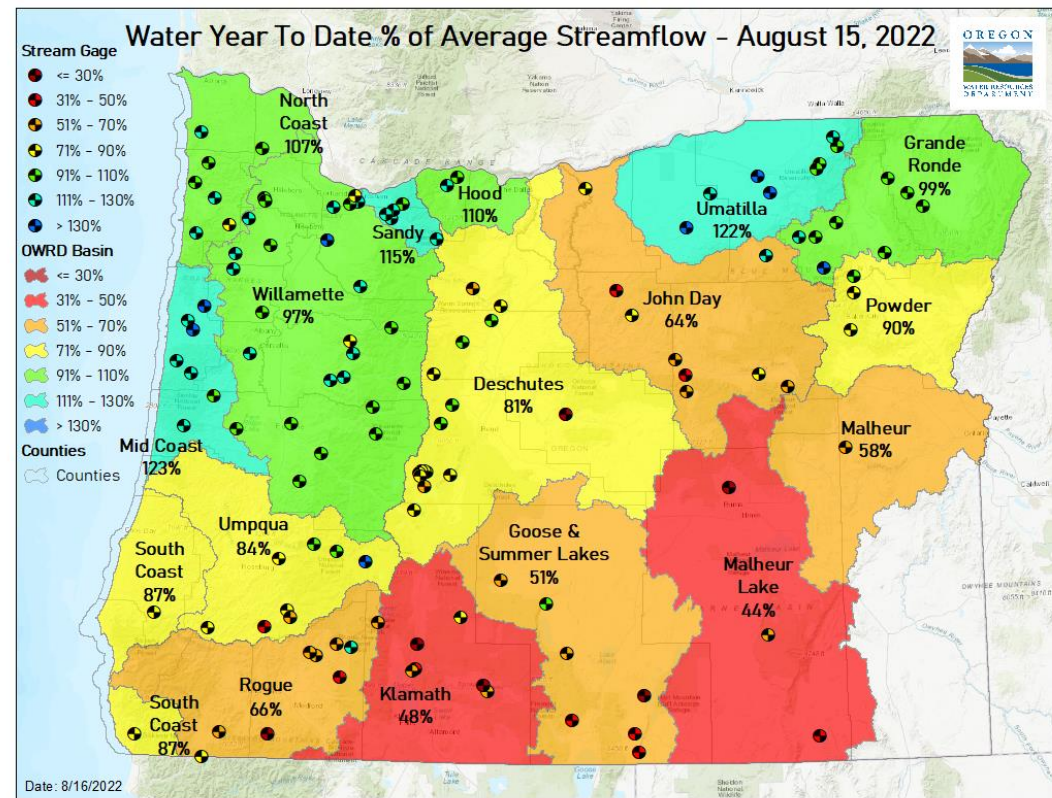
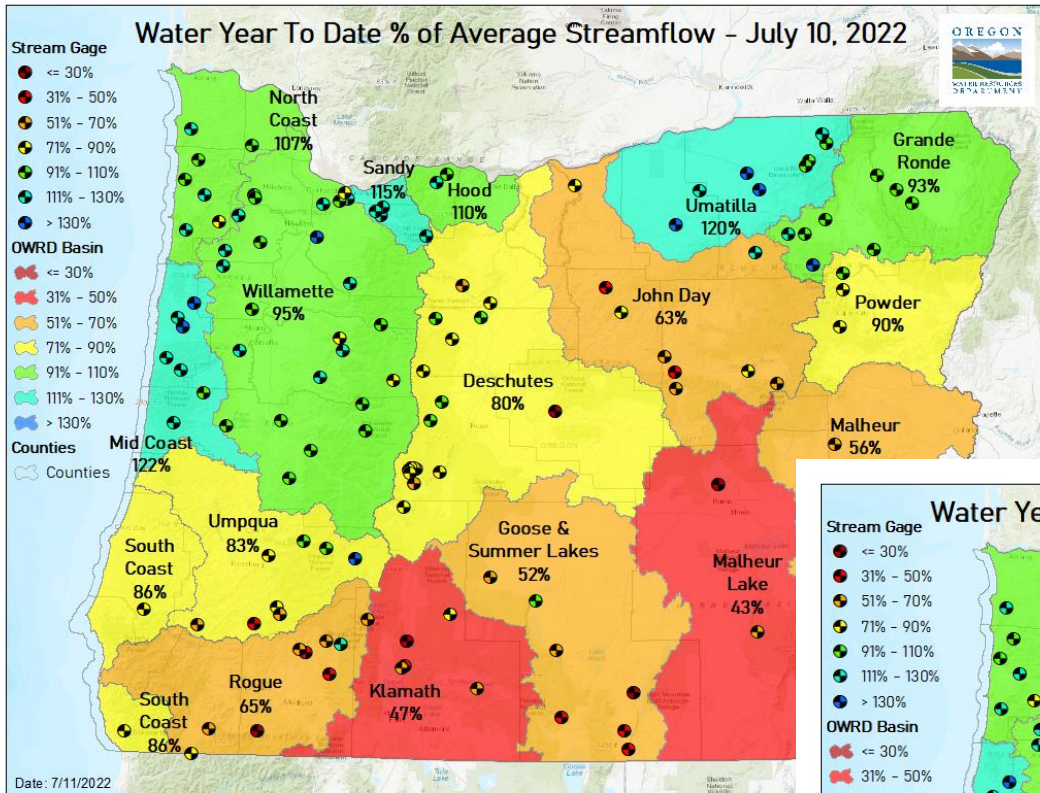
## Counties

- <= 30%
- 31% - 50%
- 51% - 70%
- 71% - 90%
- 91% - 110%
- 111% - 130%
- > 130%
- OWRD Basin



Date: 8/8/2022

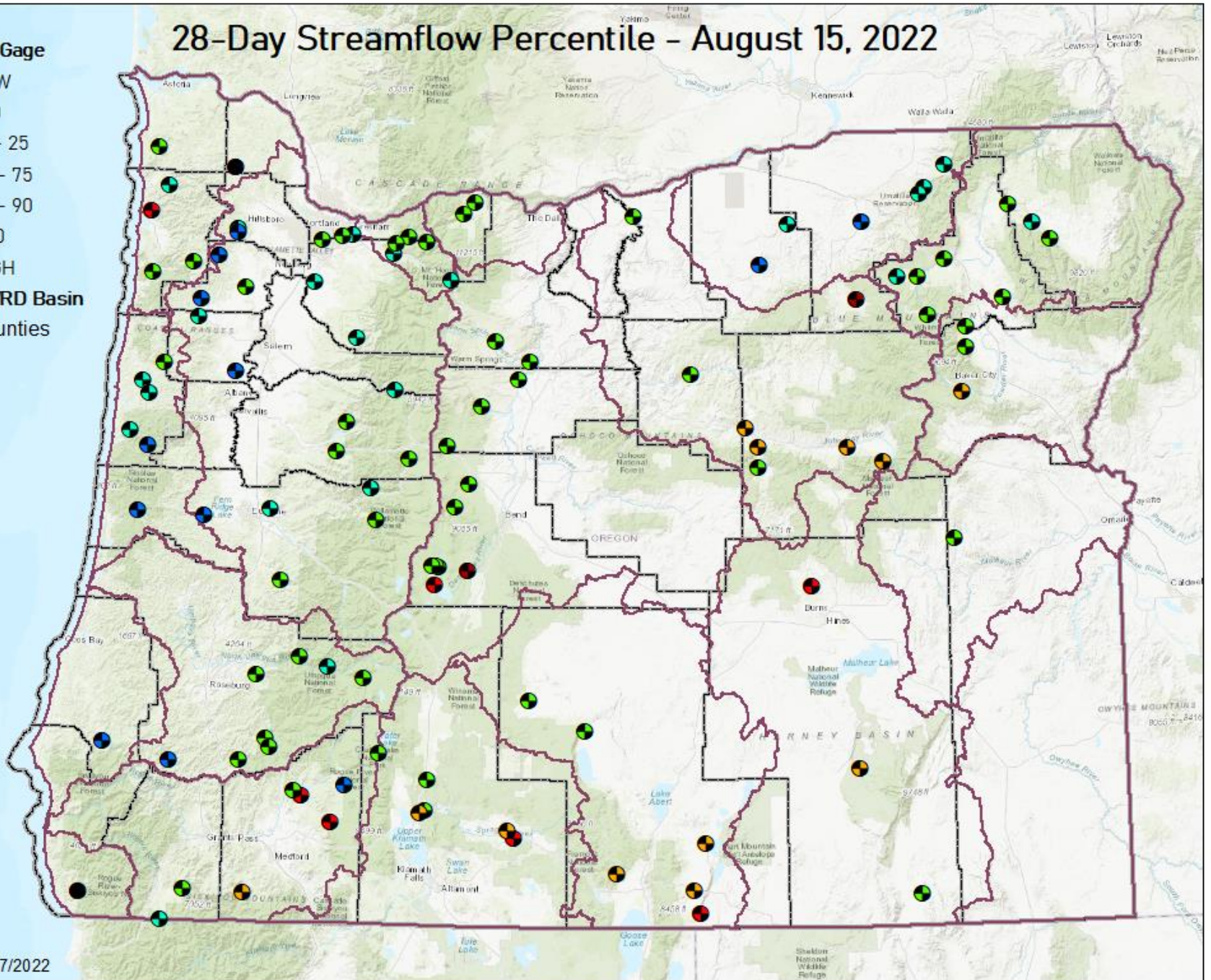
# Water Year to Date



# 28-Day Streamflow Percentile - August 15, 2022

## Stream Gage

- LOW
- < 10
- 10 - 25
- 25 - 75
- 75 - 90
- > 90
- HIGH
- 🗺️ OWRD Basin
- 🗺️ Counties

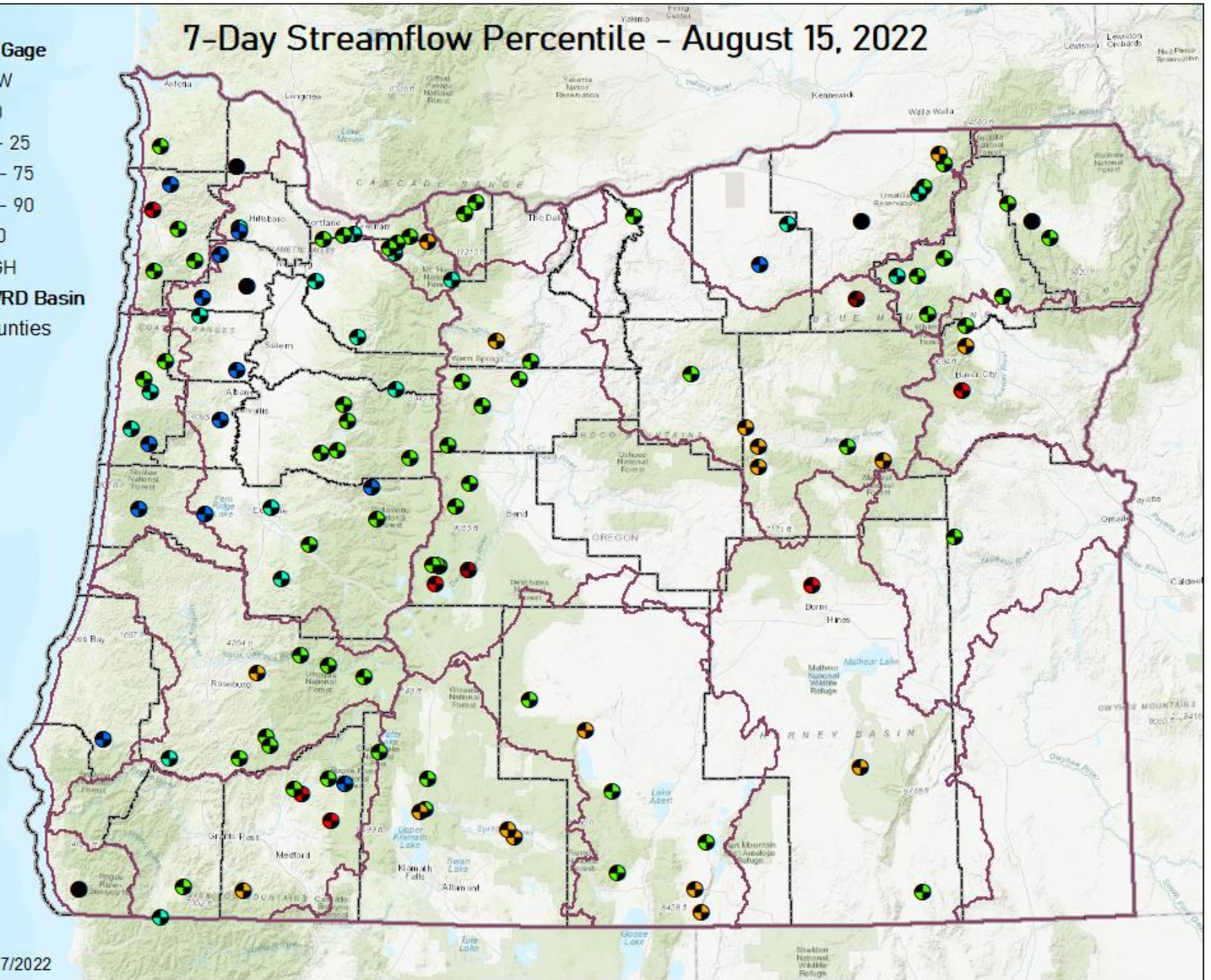


Date: 8/17/2022

# 7-Day Streamflow Percentile - August 15, 2022

## Stream Gage

- LOW
- < 10
- 10 - 25
- 25 - 75
- 75 - 90
- > 90
- HIGH
- 🗺️ OWRD Basin
- 🗺️ Counties



Date: 8/17/2022



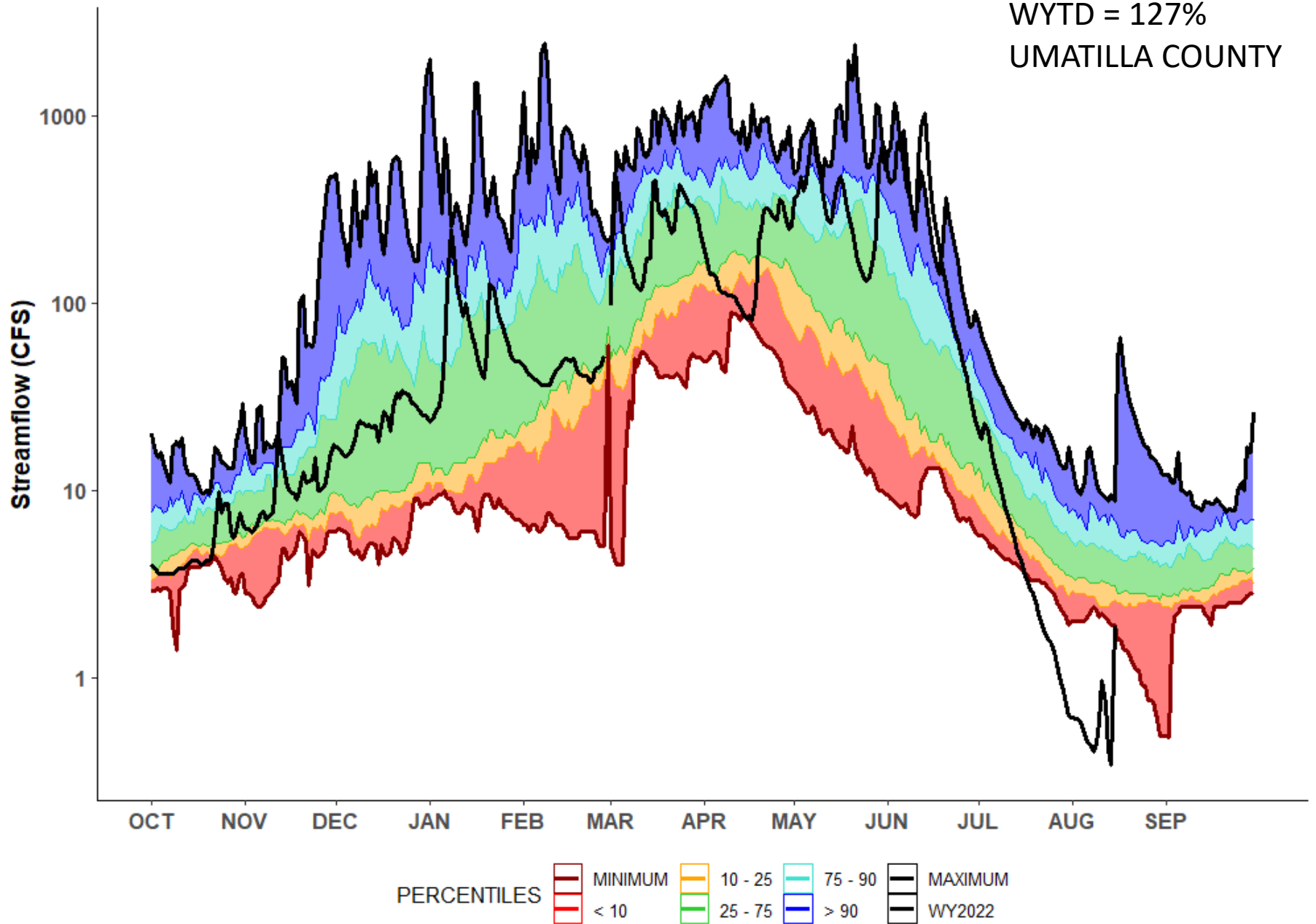
14042500 - CAMAS CR NR UKIAH, OR

JOHN DAY BASIN

POR: 1991-2020

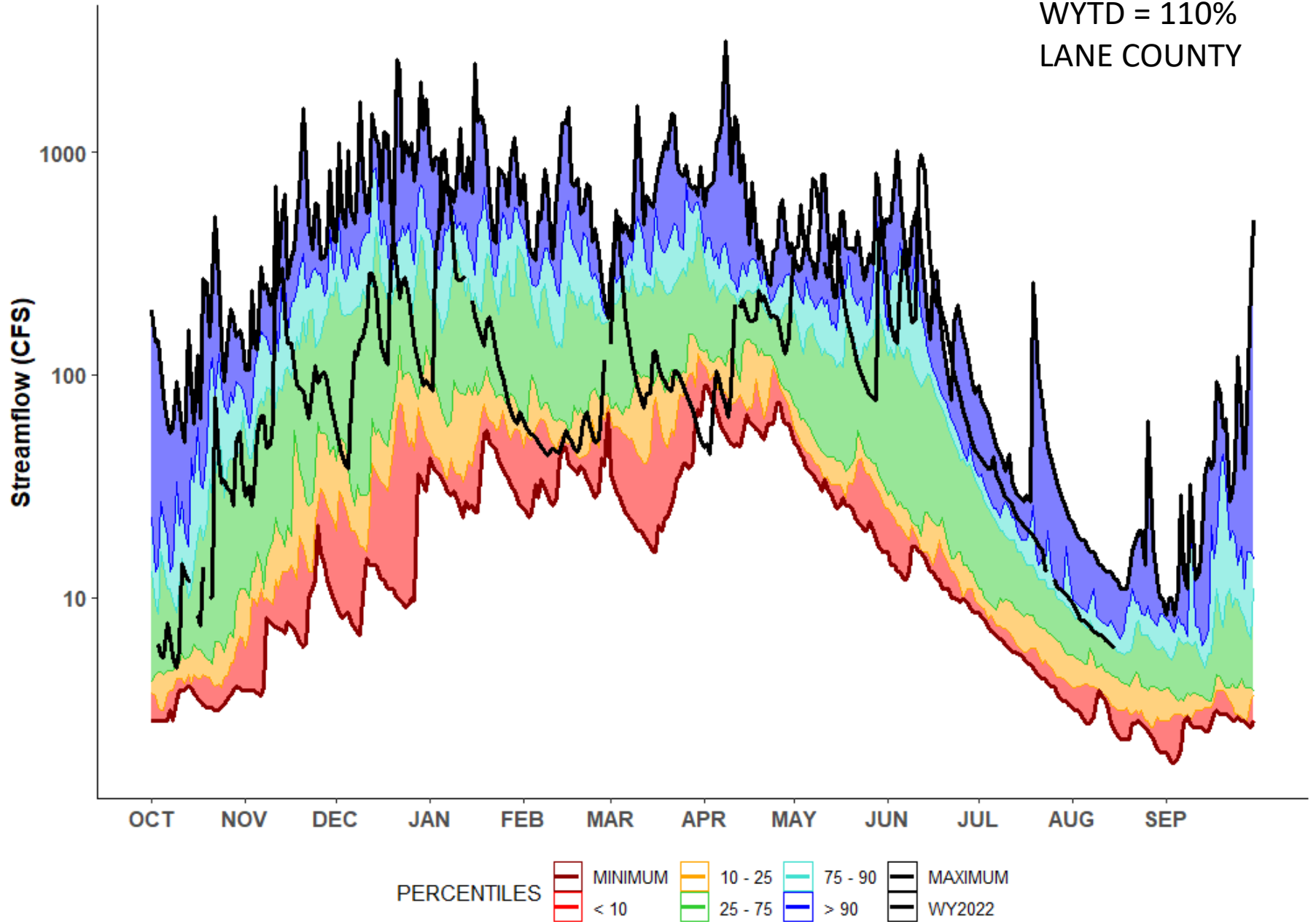
WYTD = 127%

UMATILLA COUNTY



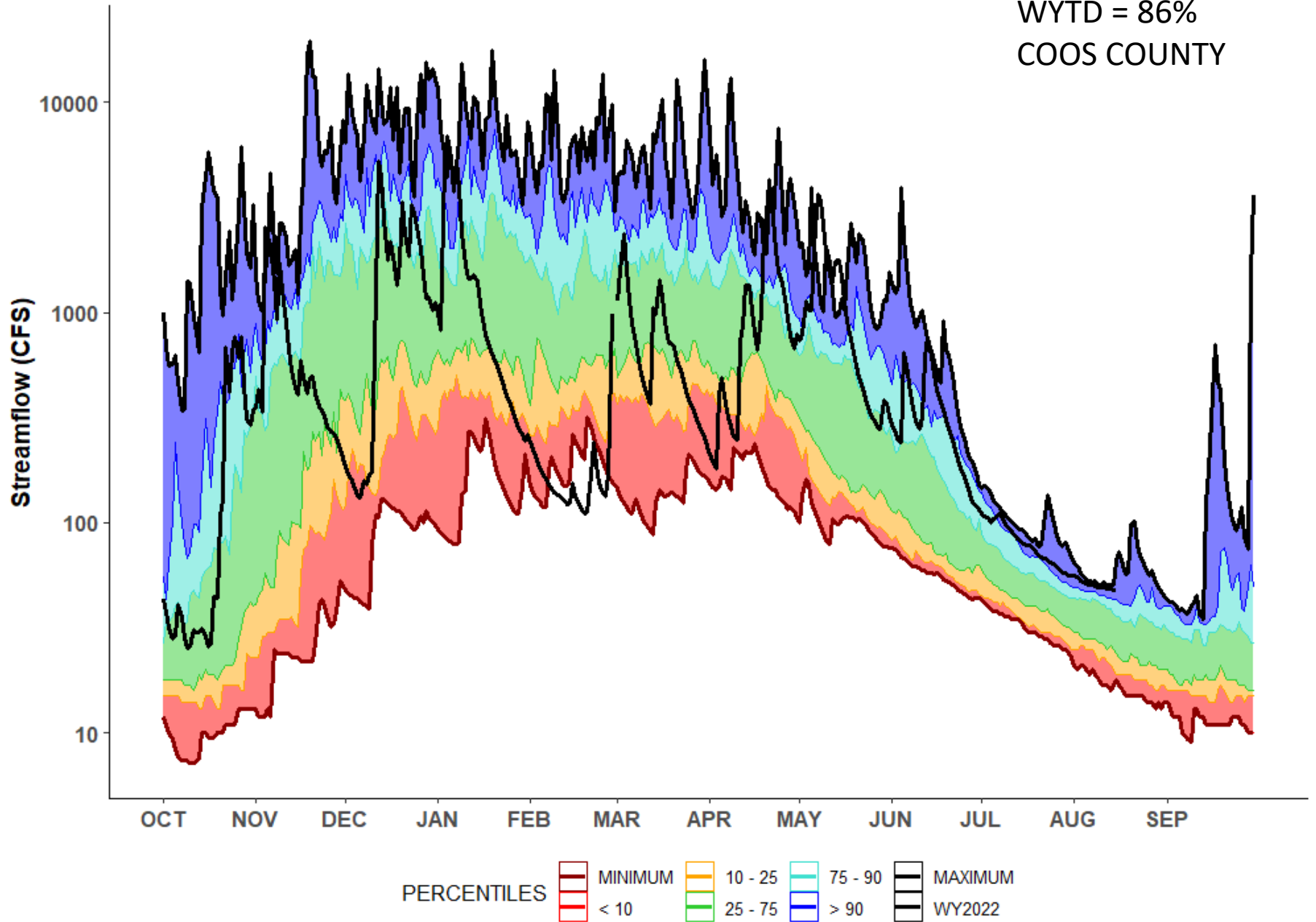
14150800 - WINBERRY CR NR LOWELL, OR  
WILLAMETTE BASIN  
POR: 1991-2020

WYTD = 110%  
LANE COUNTY



14325000 - S FK COQUILLE R AT POWERS, OR  
SOUTH COAST BASIN  
POR: 1991-2020

WYTD = 86%  
COOS COUNTY



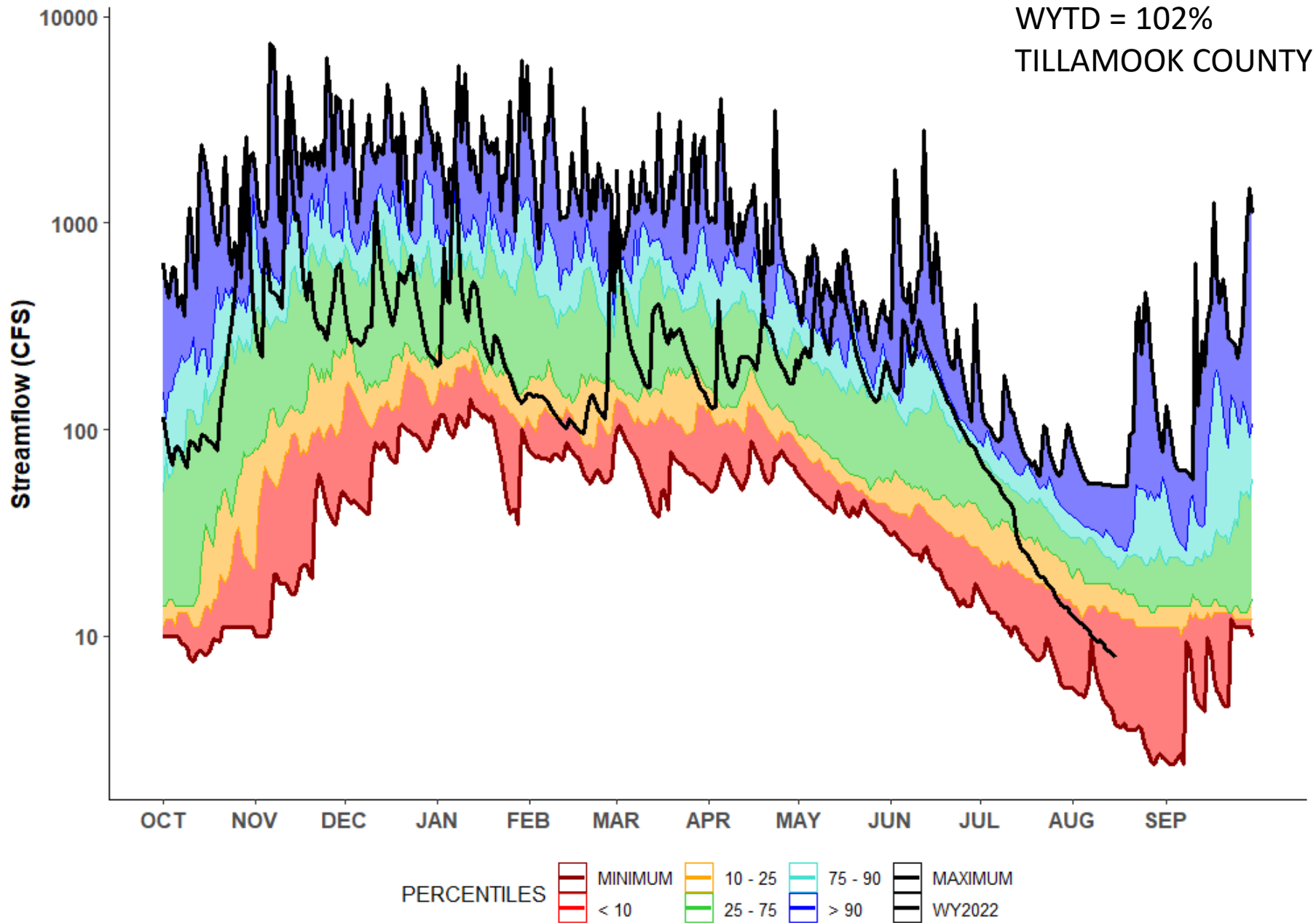
14301300 - MIAMI R NR GARIBALDI, OR

NORTH COAST BASIN

POR: 1991-2020

WYTD = 102%

TILLAMOOK COUNTY



# Summary



- No new drought declarations
- Streamflows maintaining average to above average conditions throughout much of state

OREGON



WATER RESOURCES  
DEPARTMENT

QUESTIONS?



— BUREAU OF —  
RECLAMATION

# Reclamation Storage Update

Oregon Water Supply Availability Committee  
Meeting

August 17, 2022

# Basin Operations Summary

- **Operations Activities:**
  - Irrigation is underway at some projects
  - Malheur (Warm Springs & Beulah) shut-down irrigation the last week of July
  - Rogue will shut down irrigation this week
  - Most other projects will shut-down early to mid September
- **Water Supply Notes**
  - Water supply allotments are heavily reduced
  - Potential for extremely low carry-over for most projects

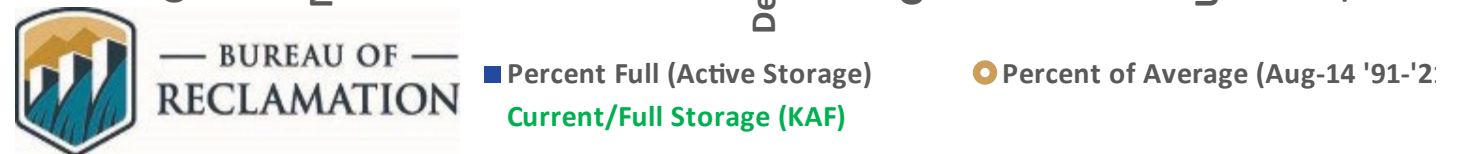
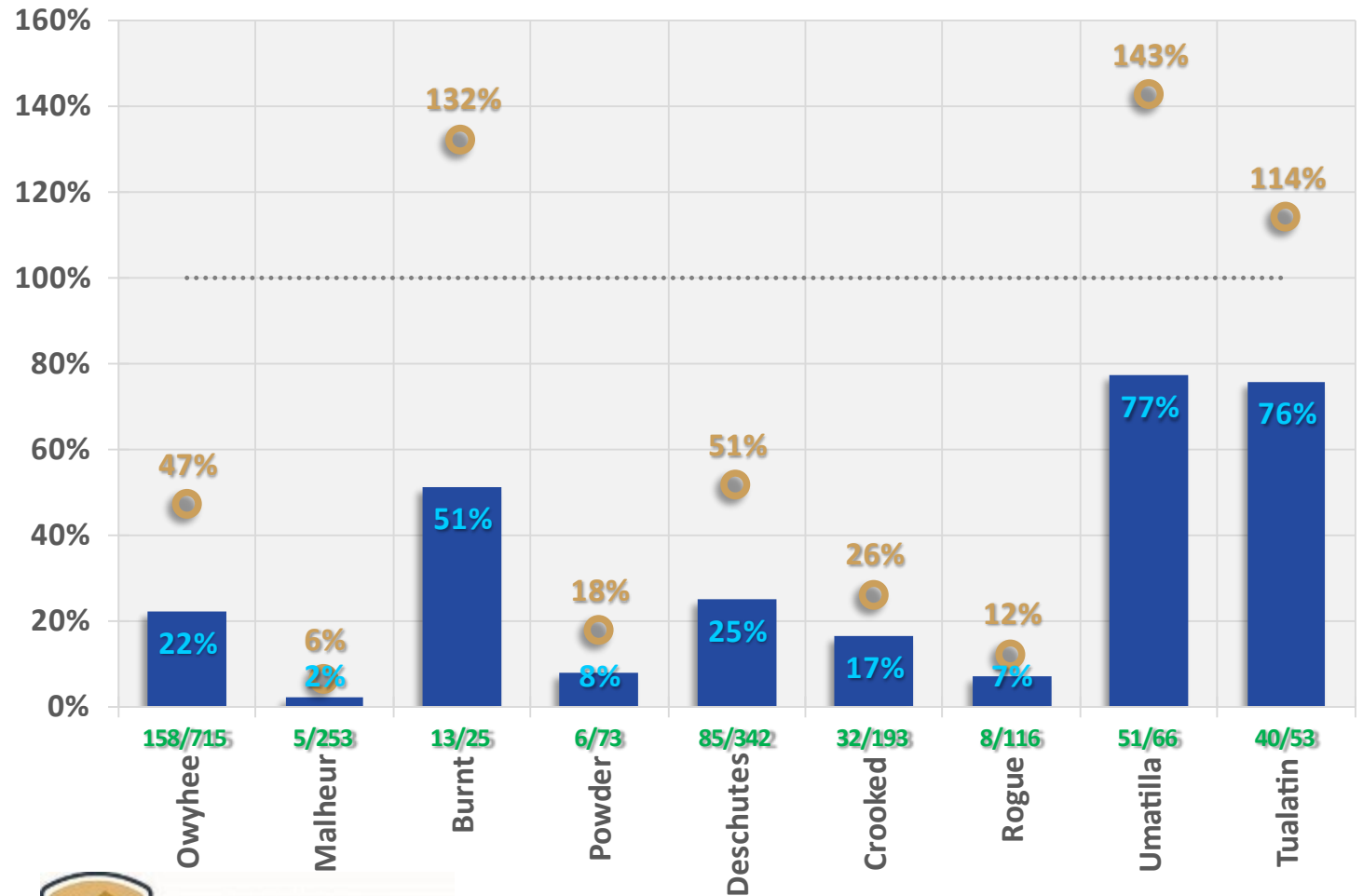
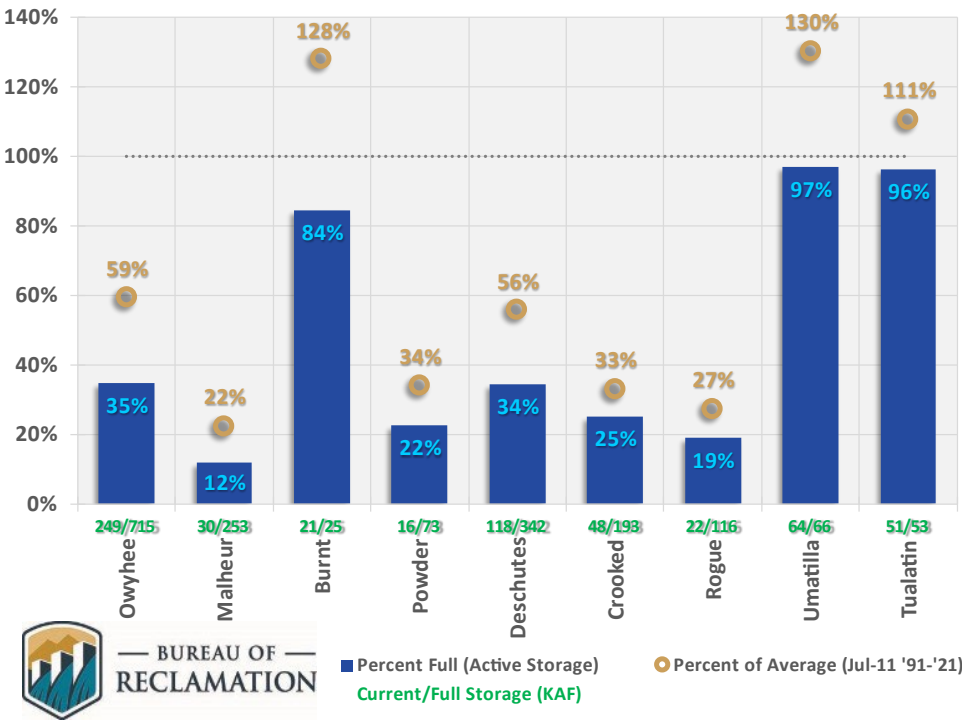




# Storage Conditions

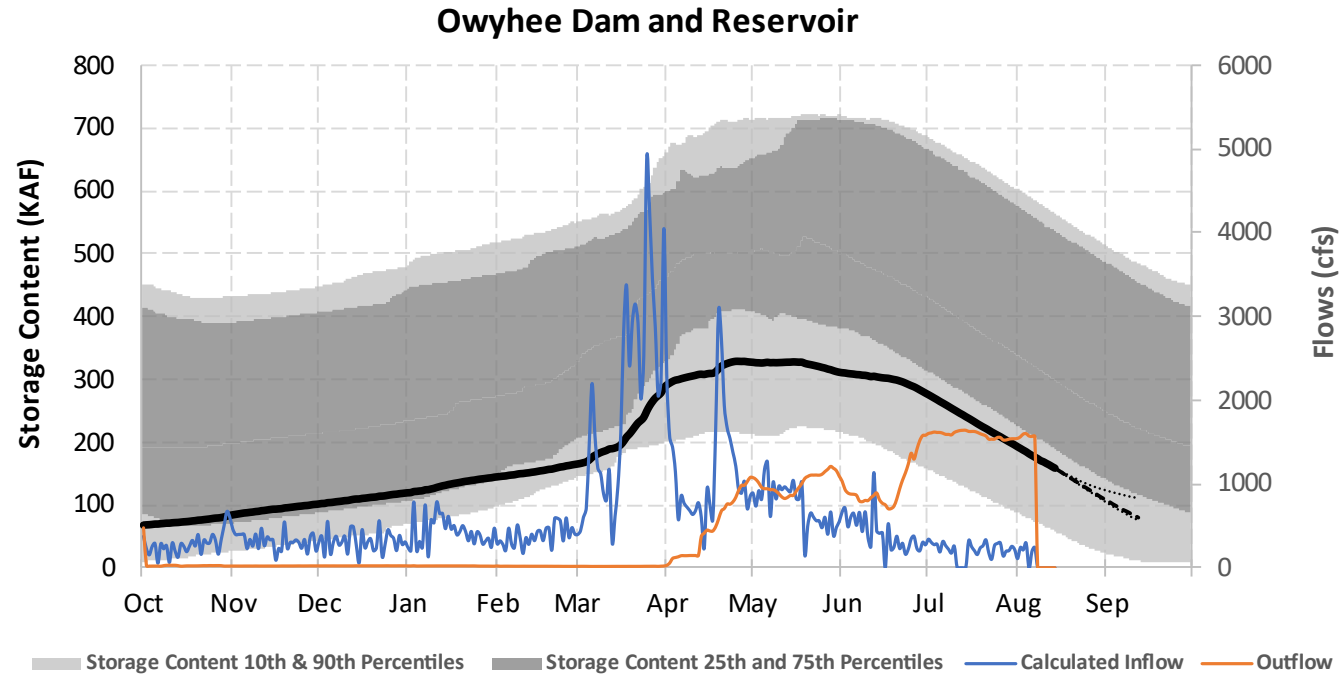
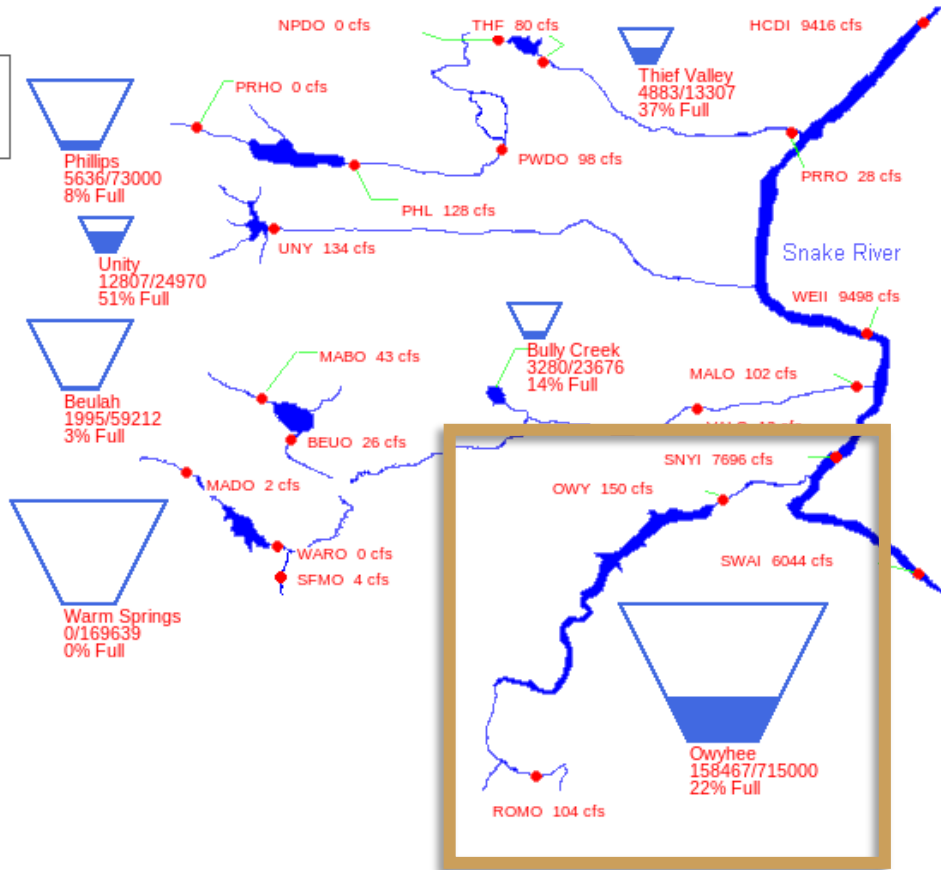
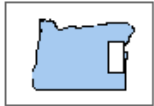
## Oregon Reservoir Storage (Aug 14 2022)

### Oregon Reservoir Storage (Jul 11 2022)



# Owyhee River Basin

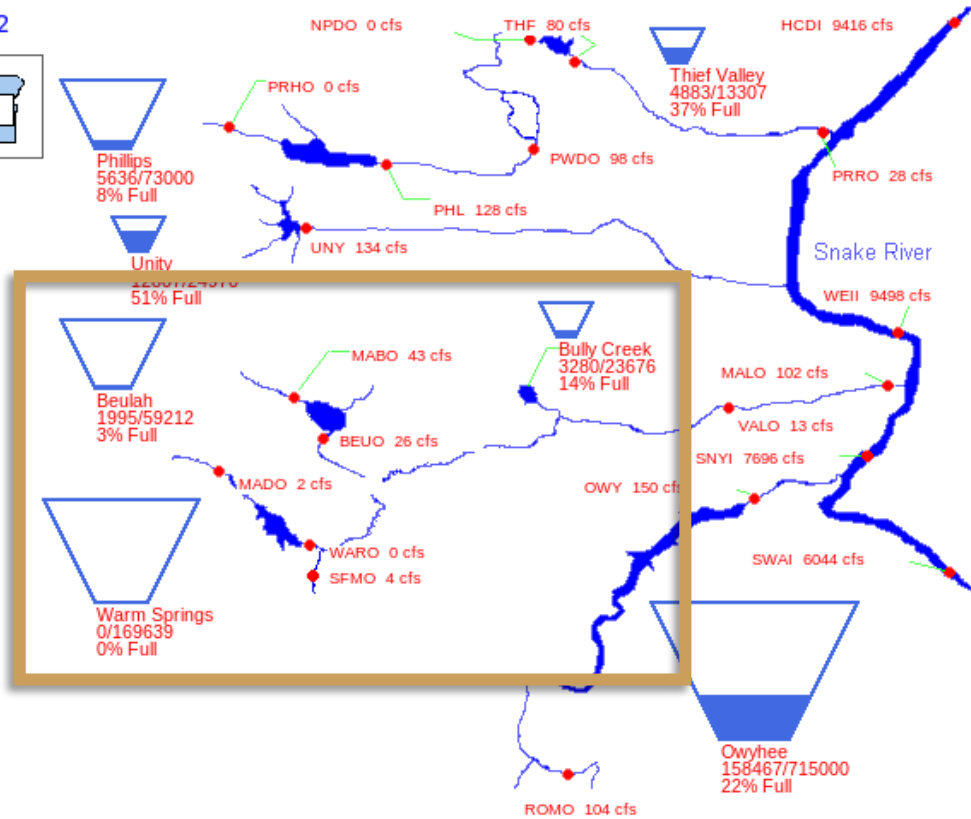
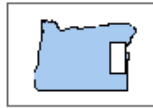
08/14/2022



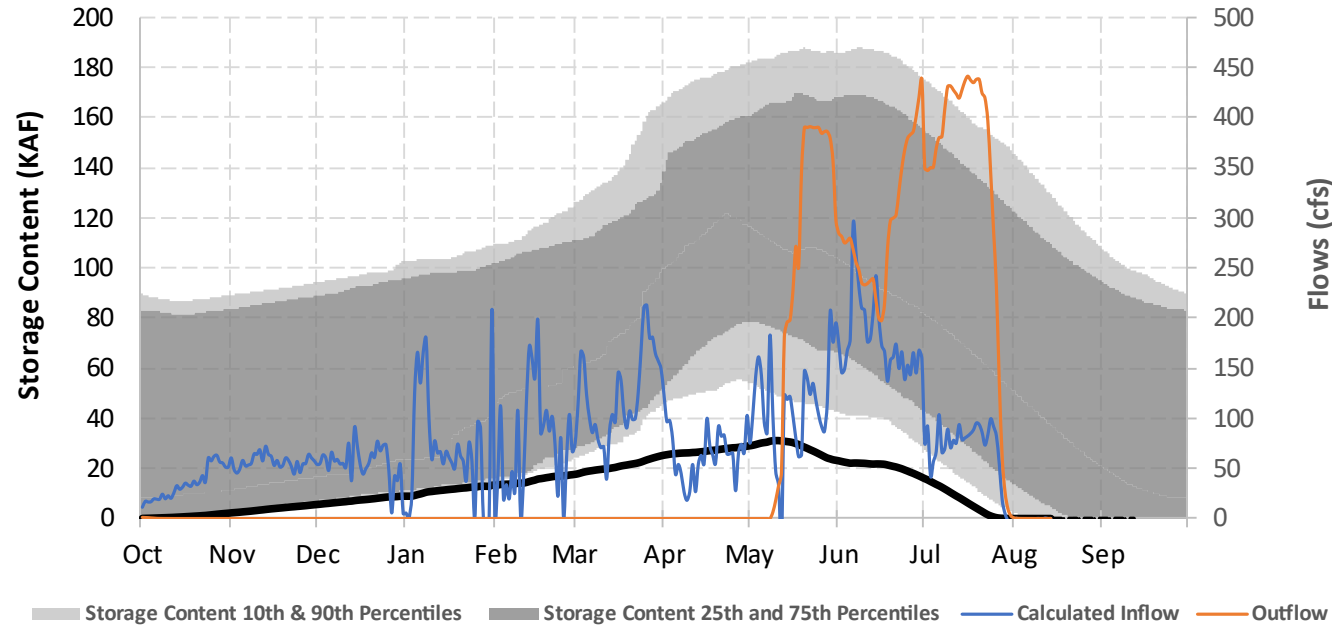
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Malheur River Basin

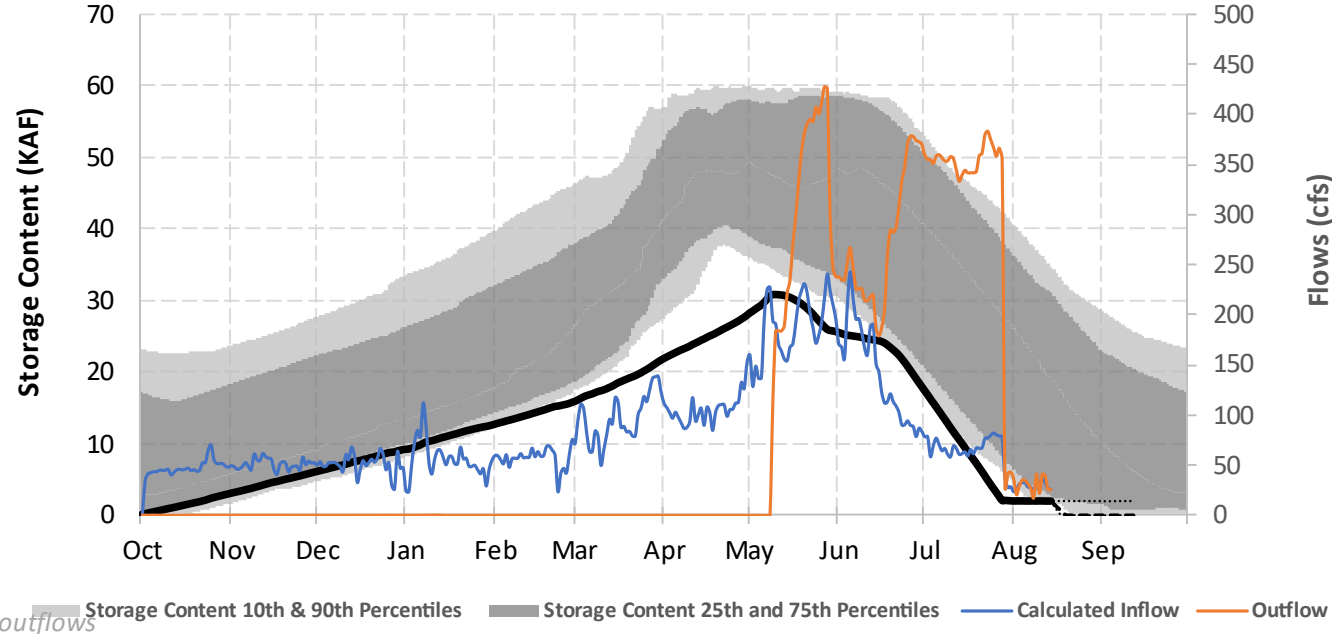
08/14/2022



### Warm Springs Dam and Reservoir



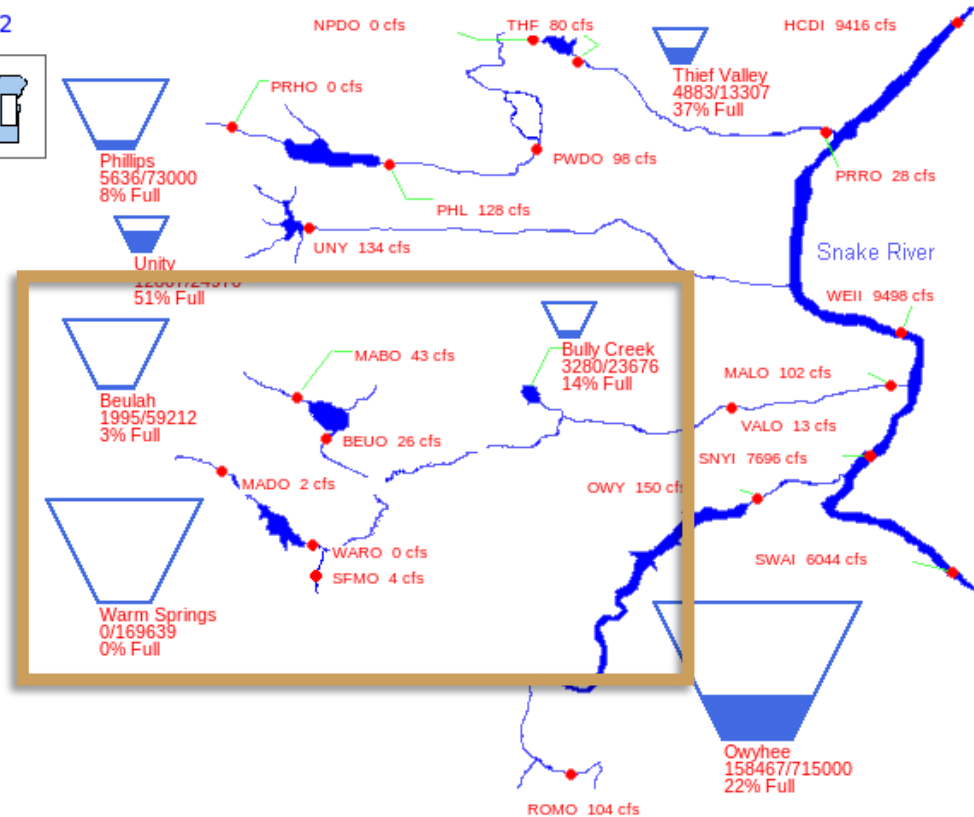
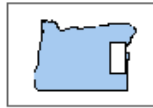
### Beulah Dam and Reservoir



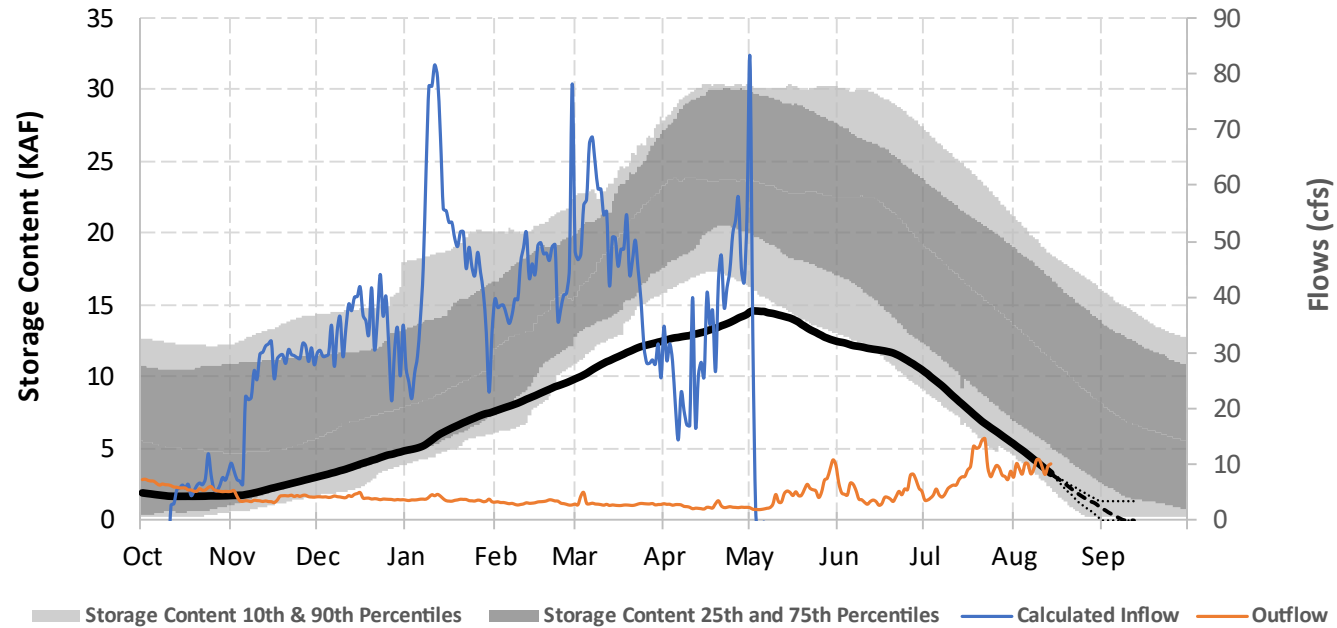
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Malheur River Basin

08/14/2022



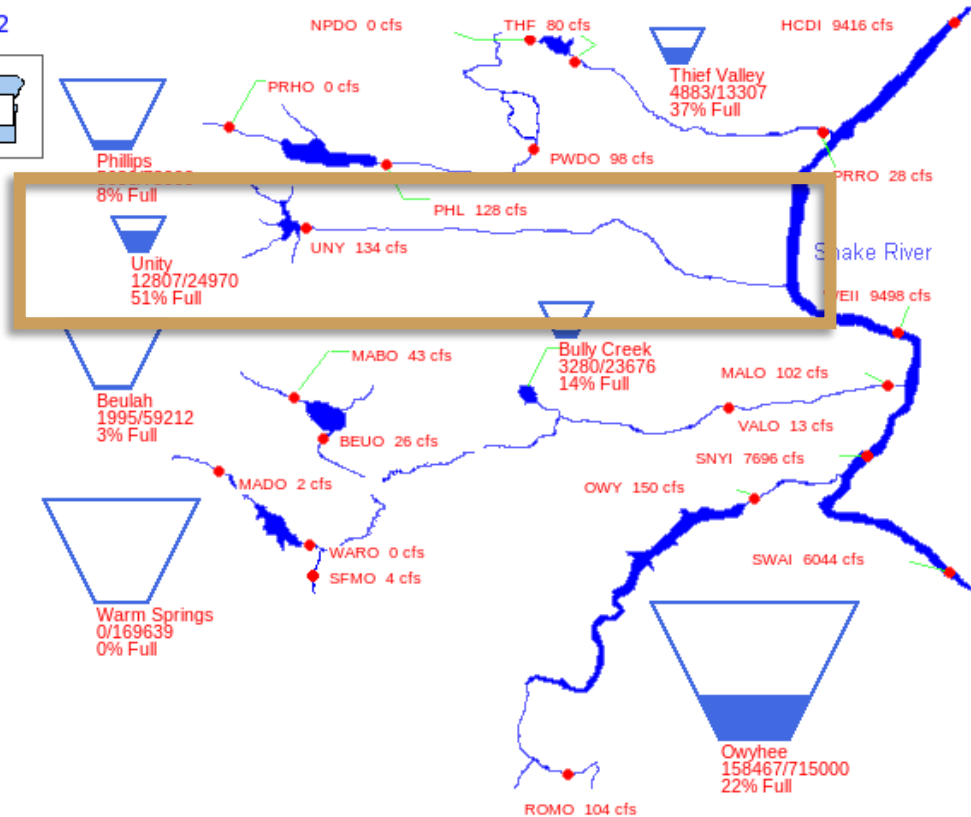
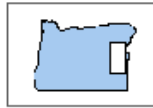
### Bully Creek Dam and Reservoir



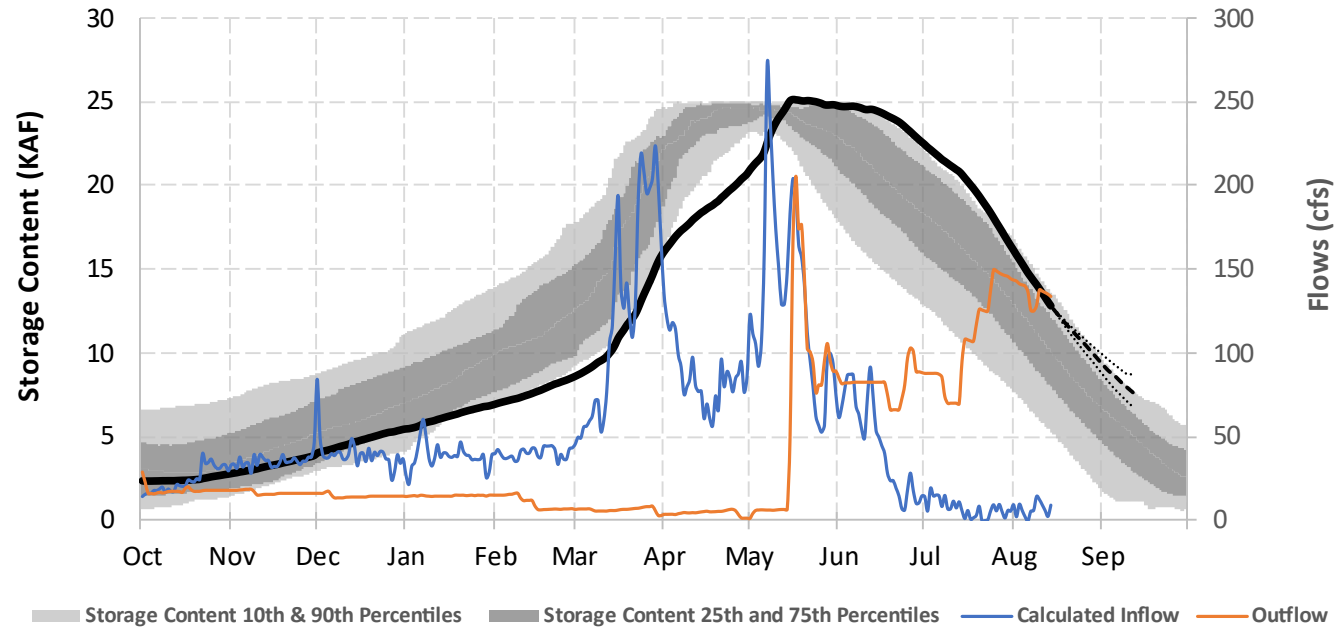
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Burnt River Basin

08/14/2022



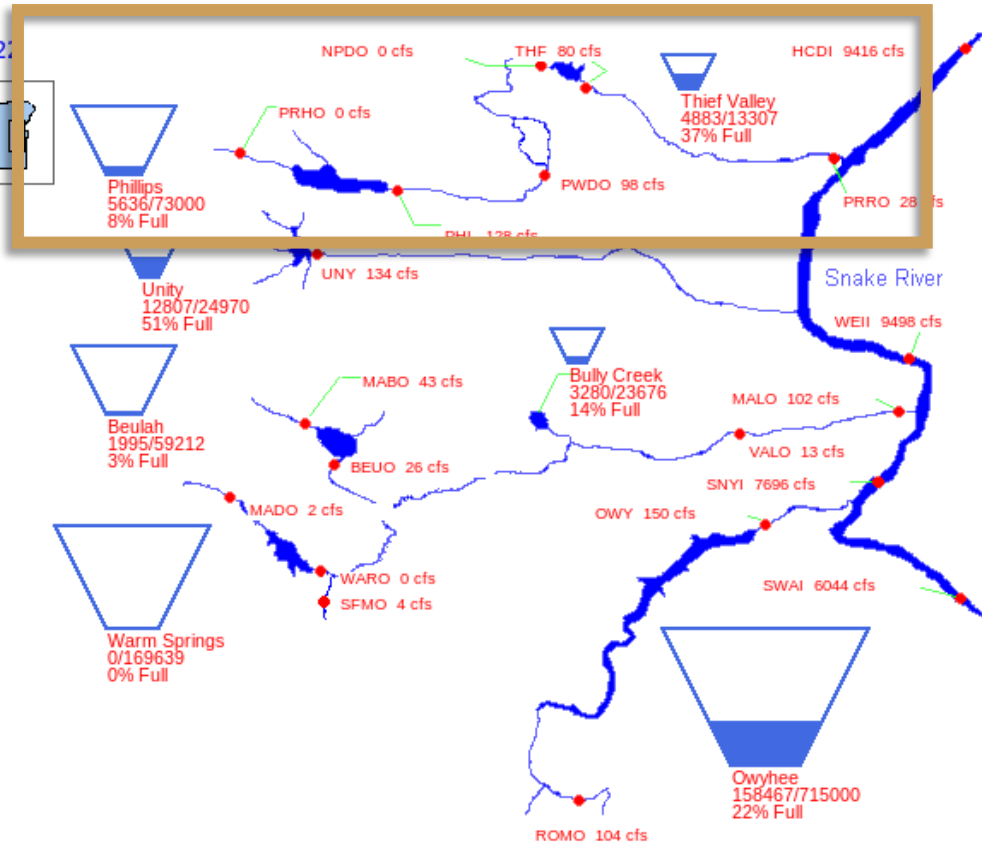
### Unity Dam and Reservoir



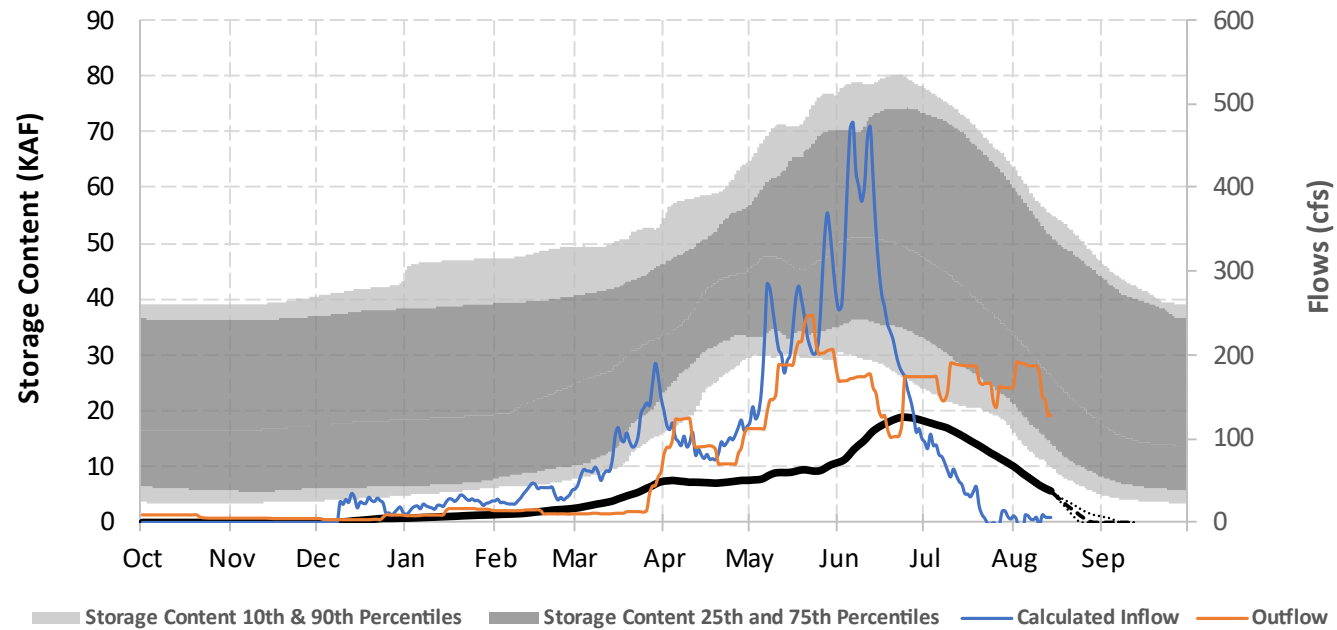
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Powder River Basin

08/14/2021



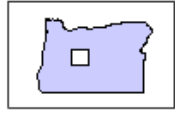
### Mason Dam - Phillips Lake



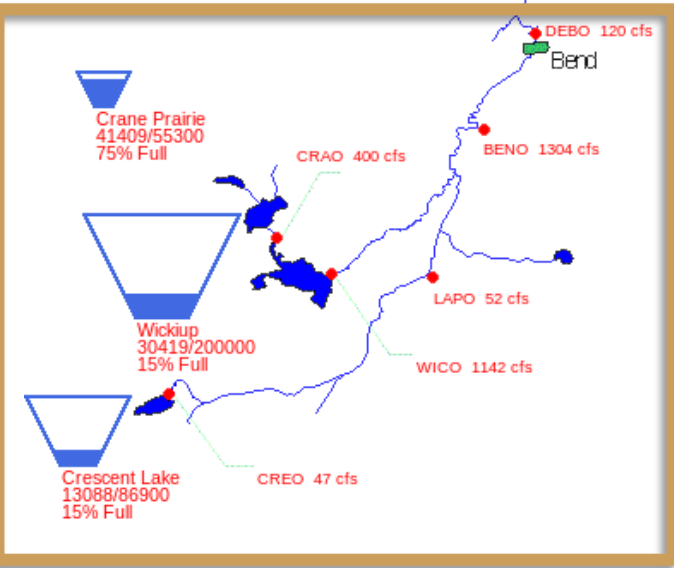
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Deschutes River Basin

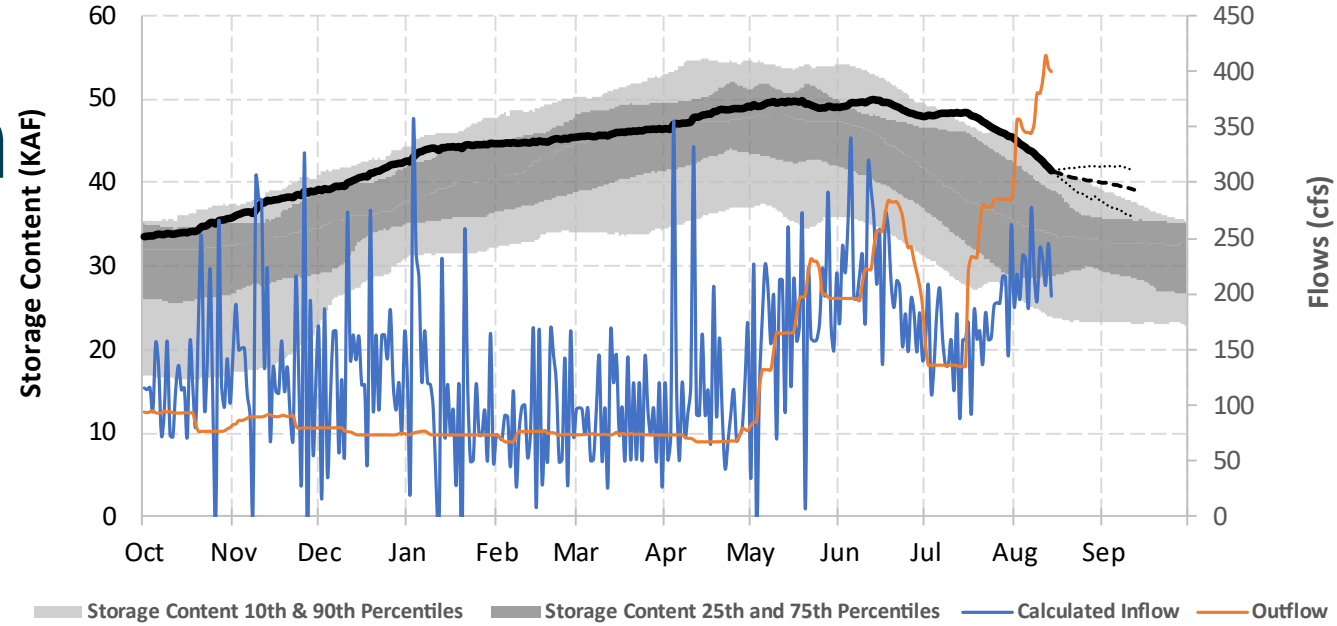
08/14/2022



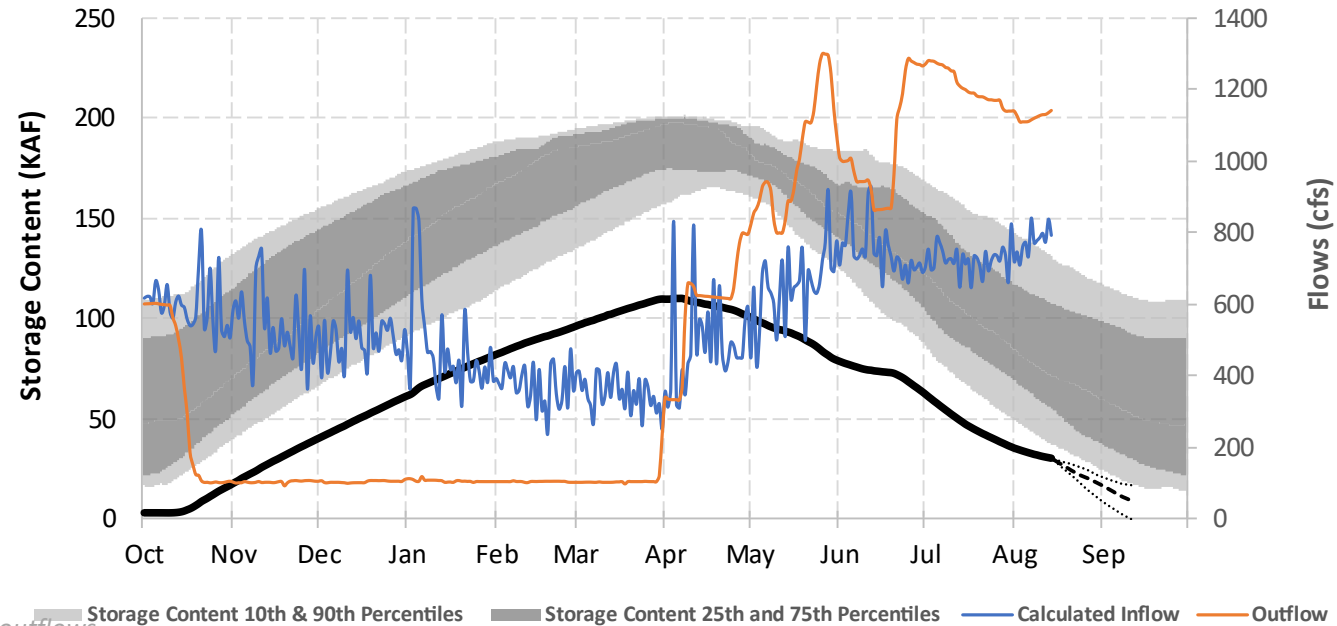
Deschutes ESA



## Crane Prairie Dam and Reservoir



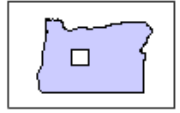
## Wickiup Dam and Reservoir



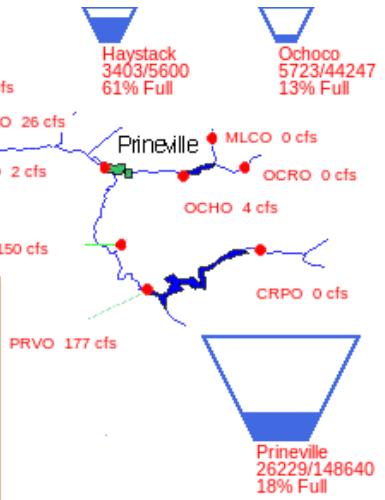
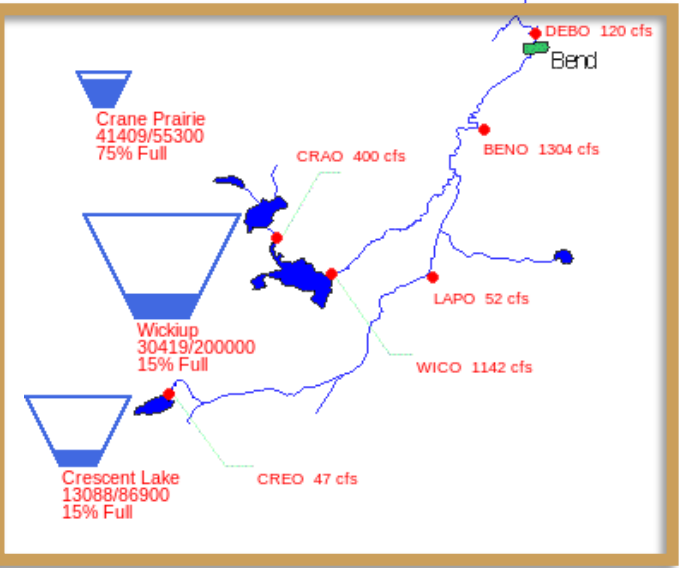
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Deschutes River Basin

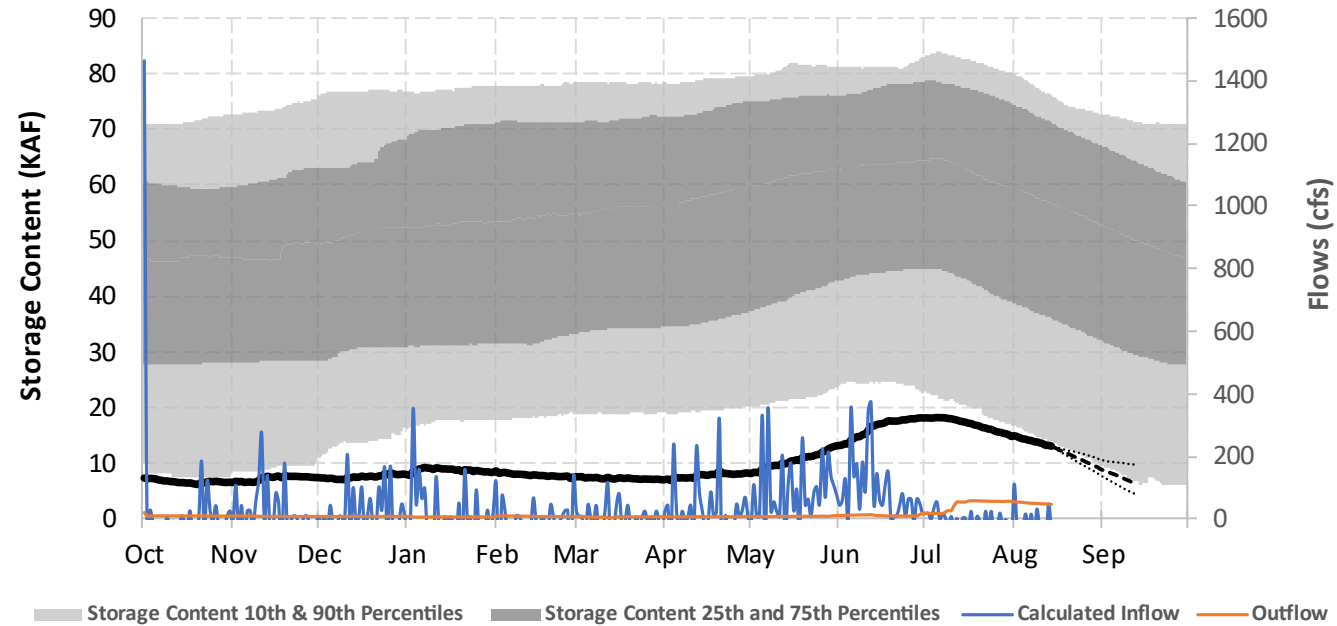
08/14/2022



Deschutes ESA



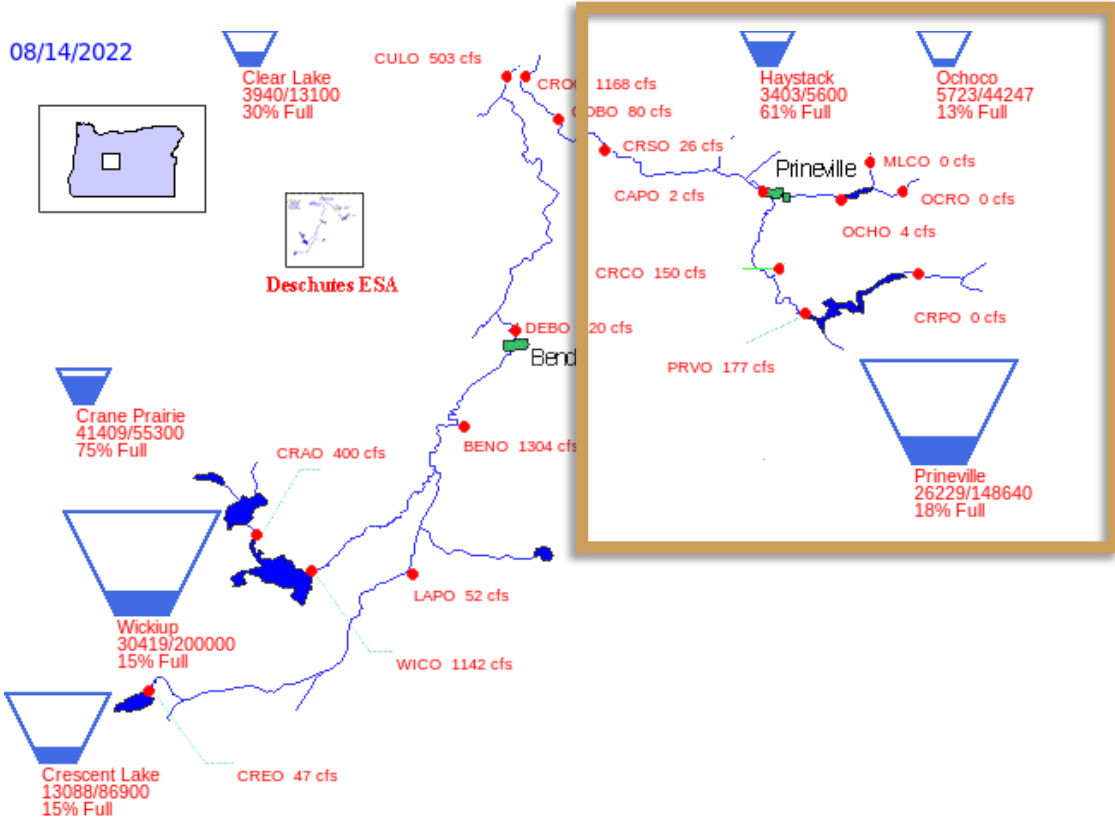
### Crescent Lake Dam



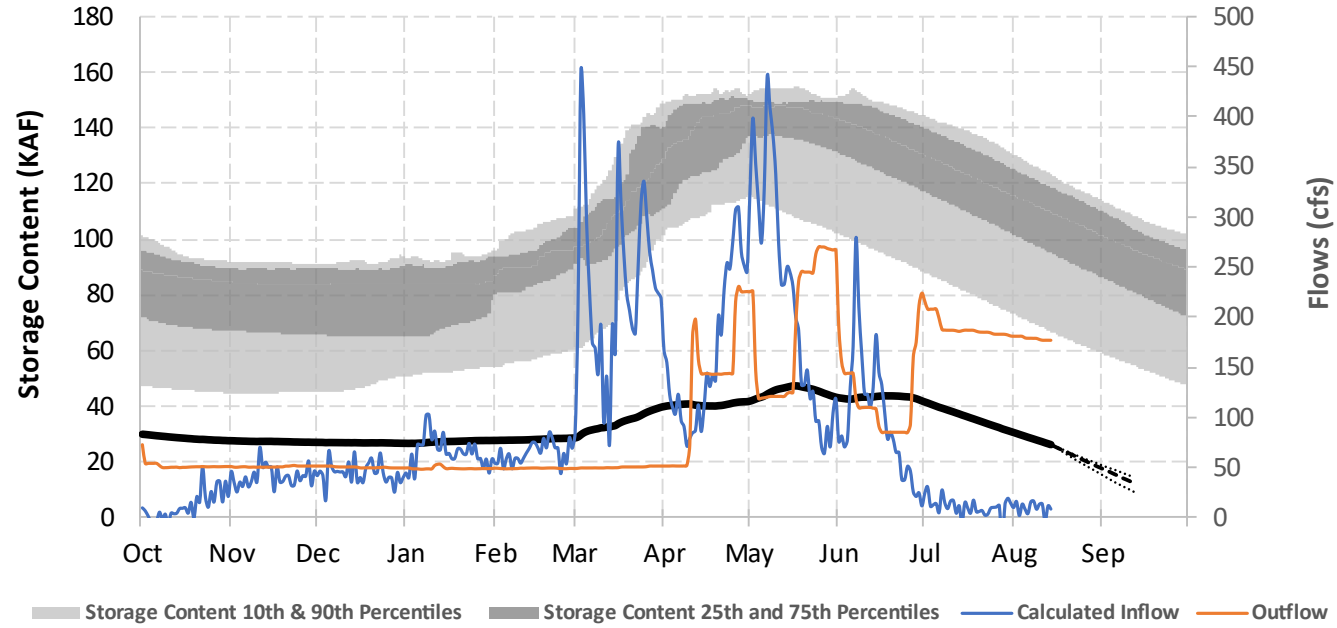
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows



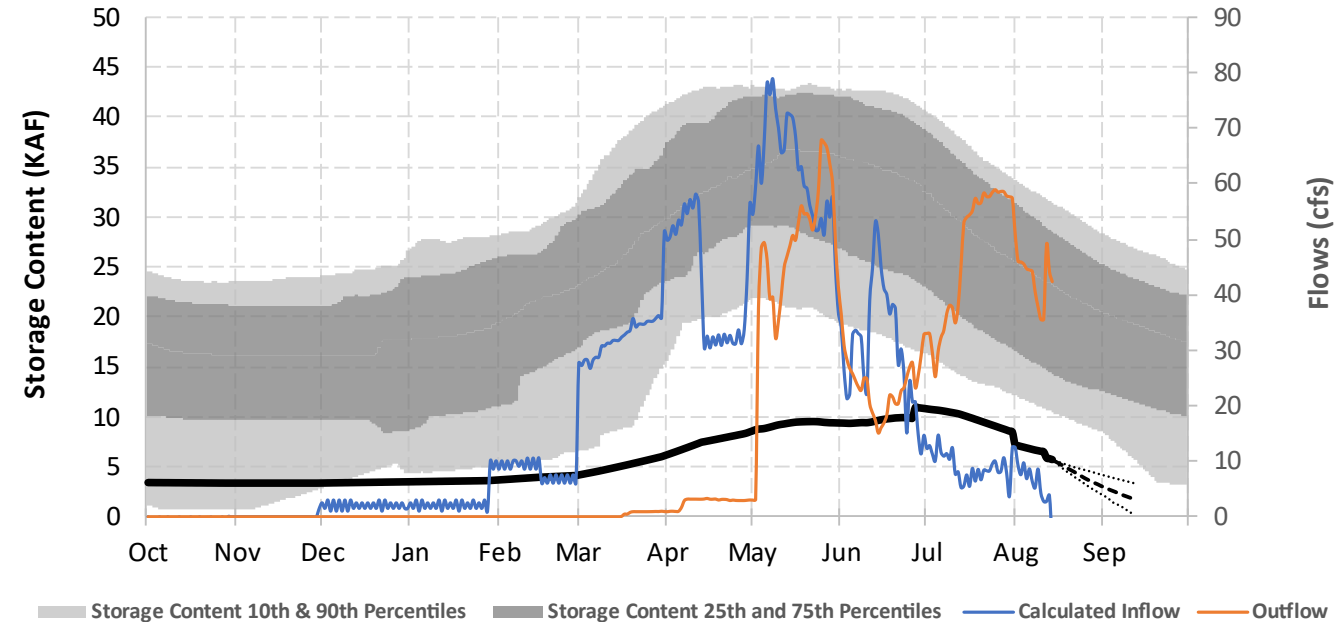
# Crooked River Basin



### Bowman Dam - Prineville Reservoir



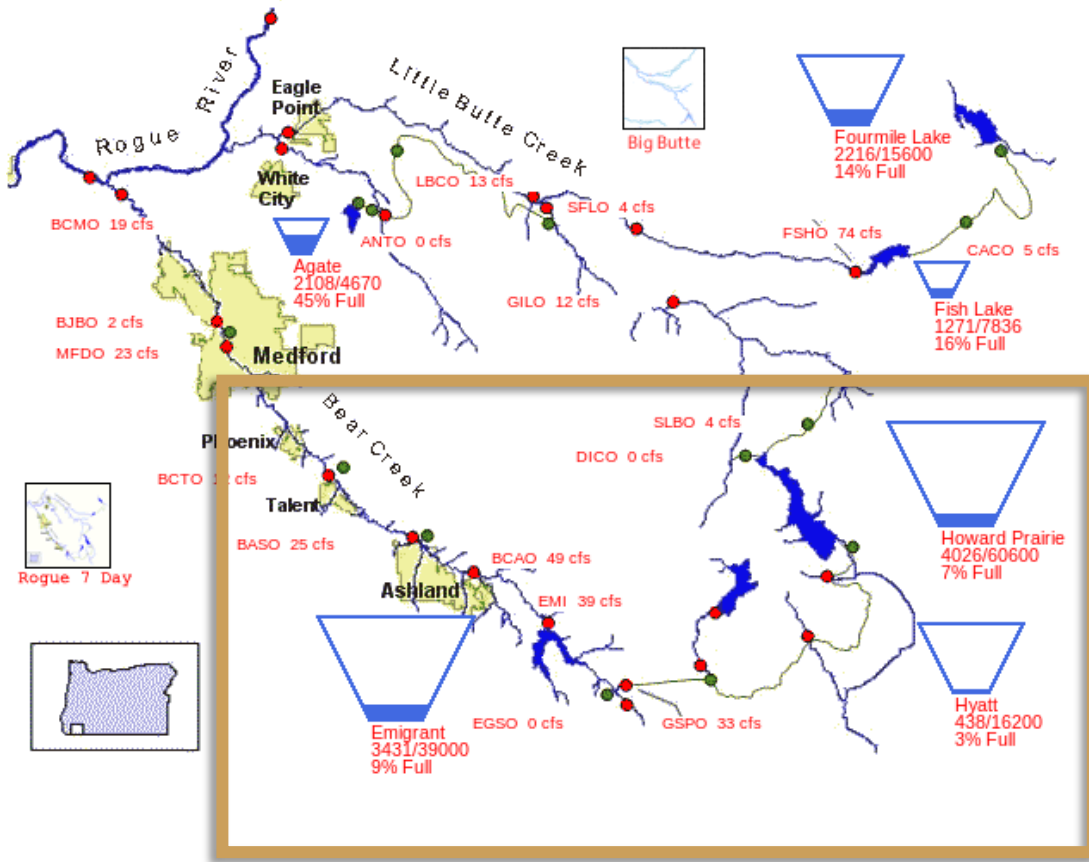
### Ochoco Dam and Reservoir



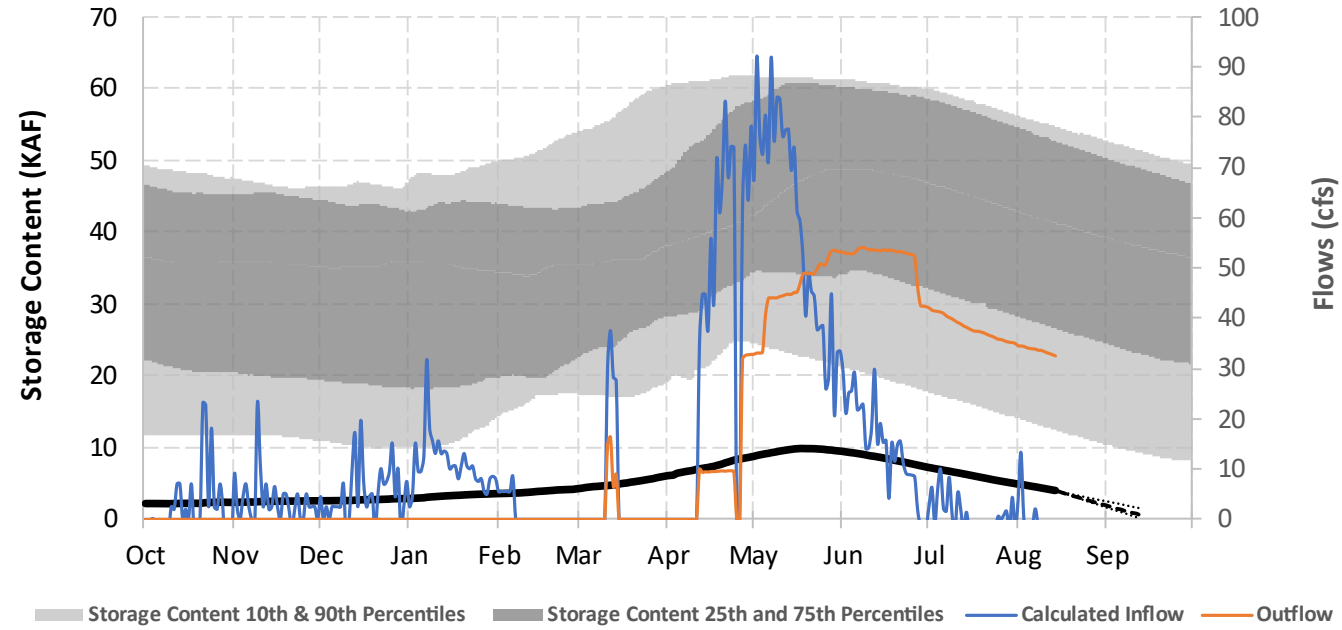
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Rogue River Basin

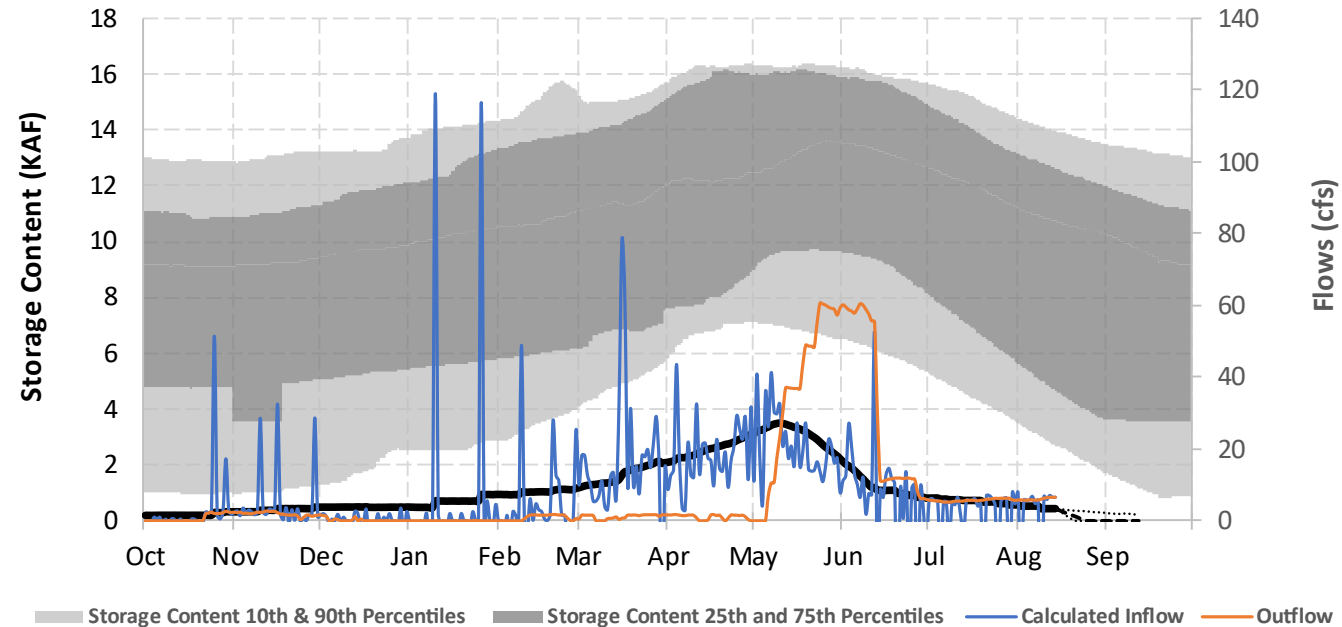
08/14/2022



### Howard Prairie Dam and Lake



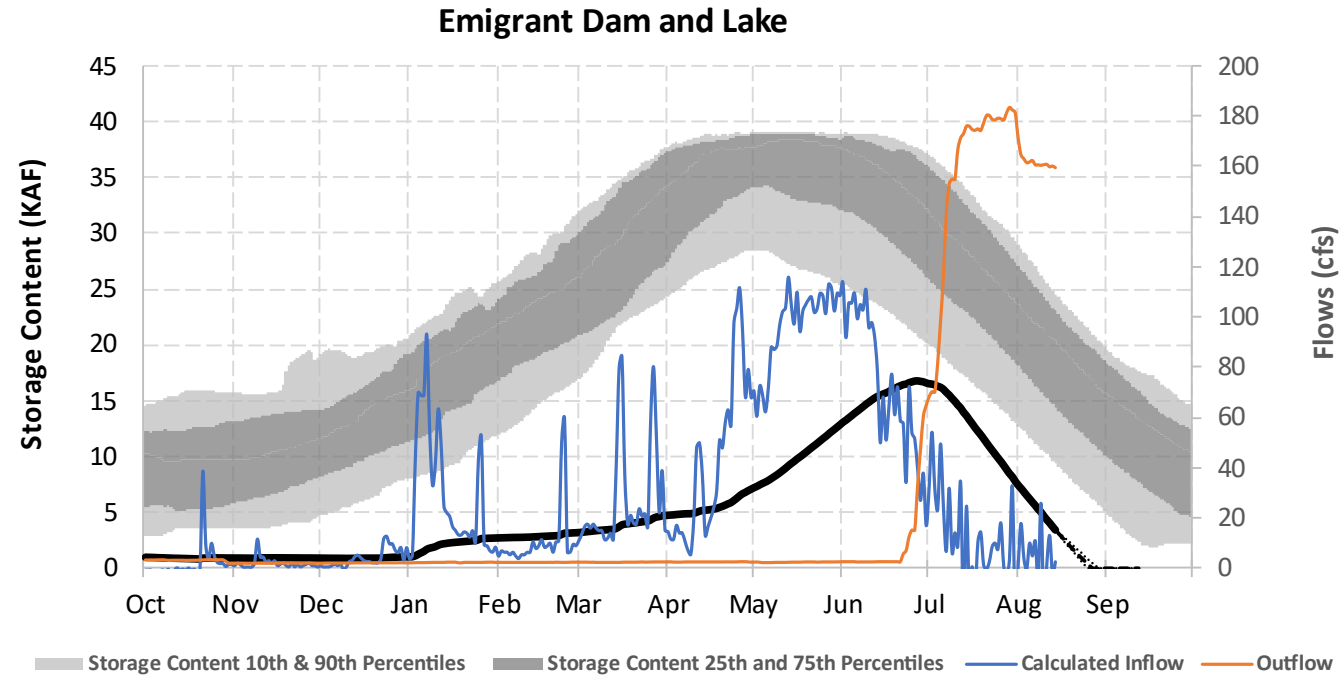
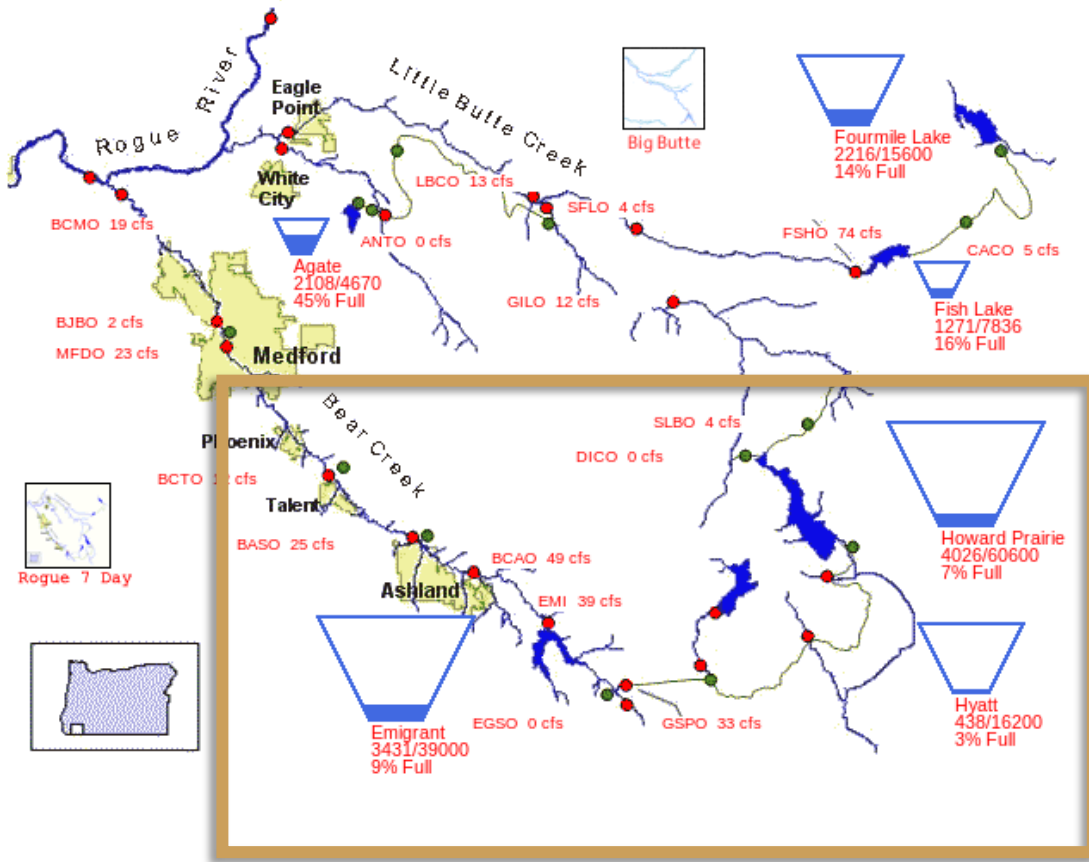
### Hyatt Dam and Reservoir



\*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

# Rogue River Basin

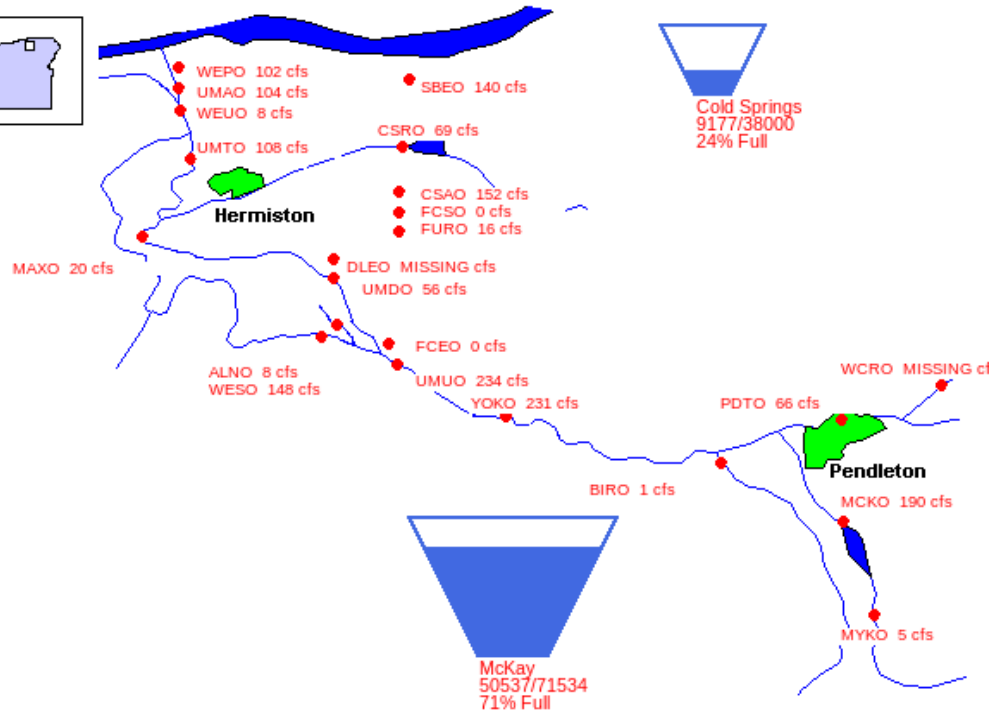
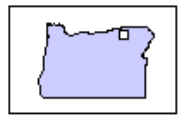
08/14/2022



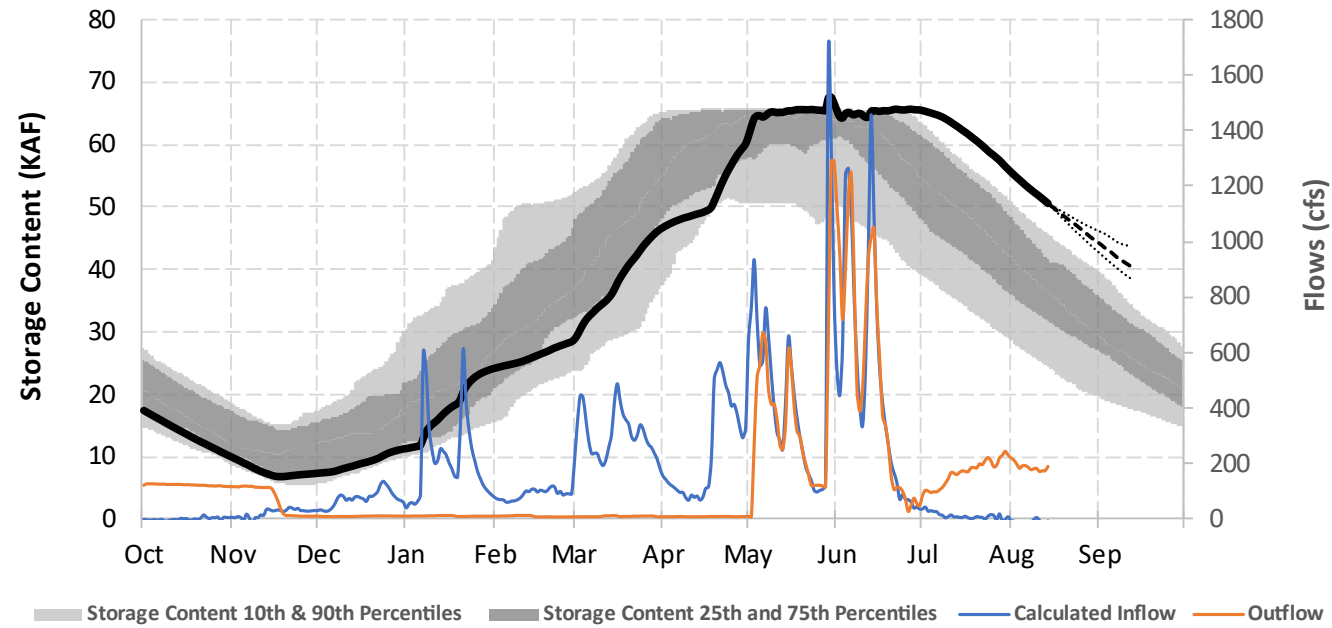
\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

# Umatilla River Basin

08/14/2022



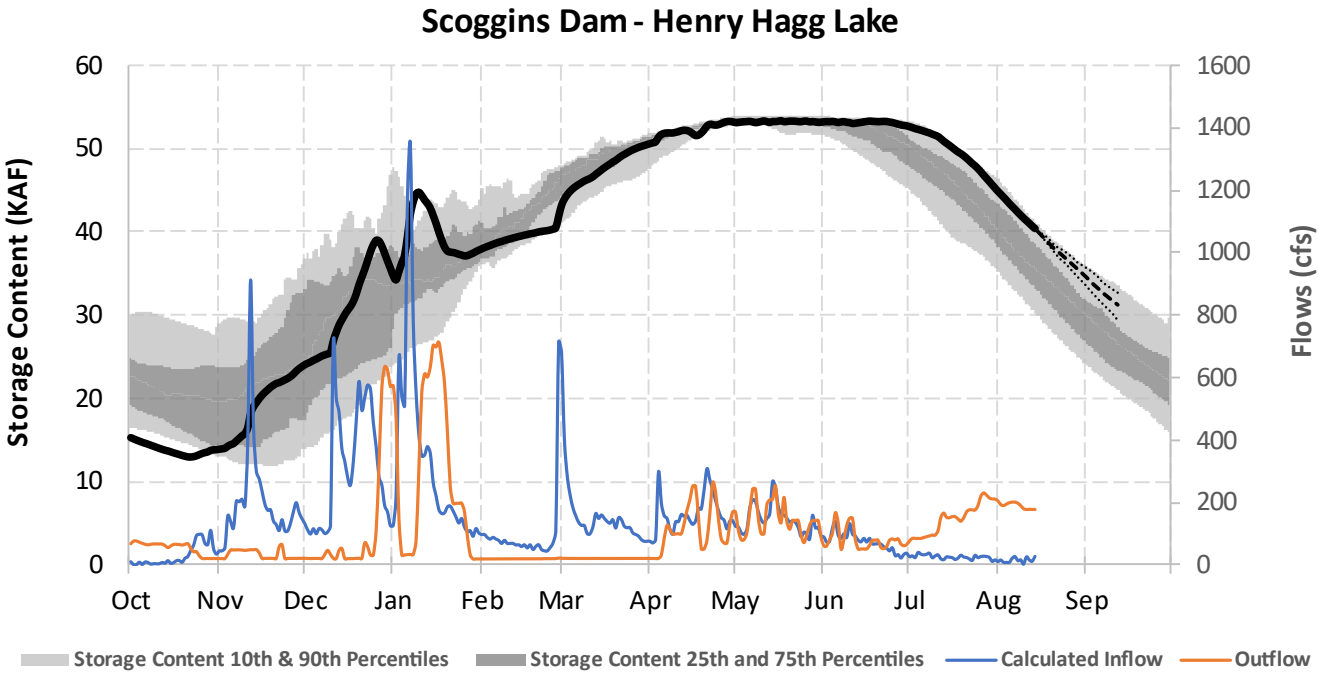
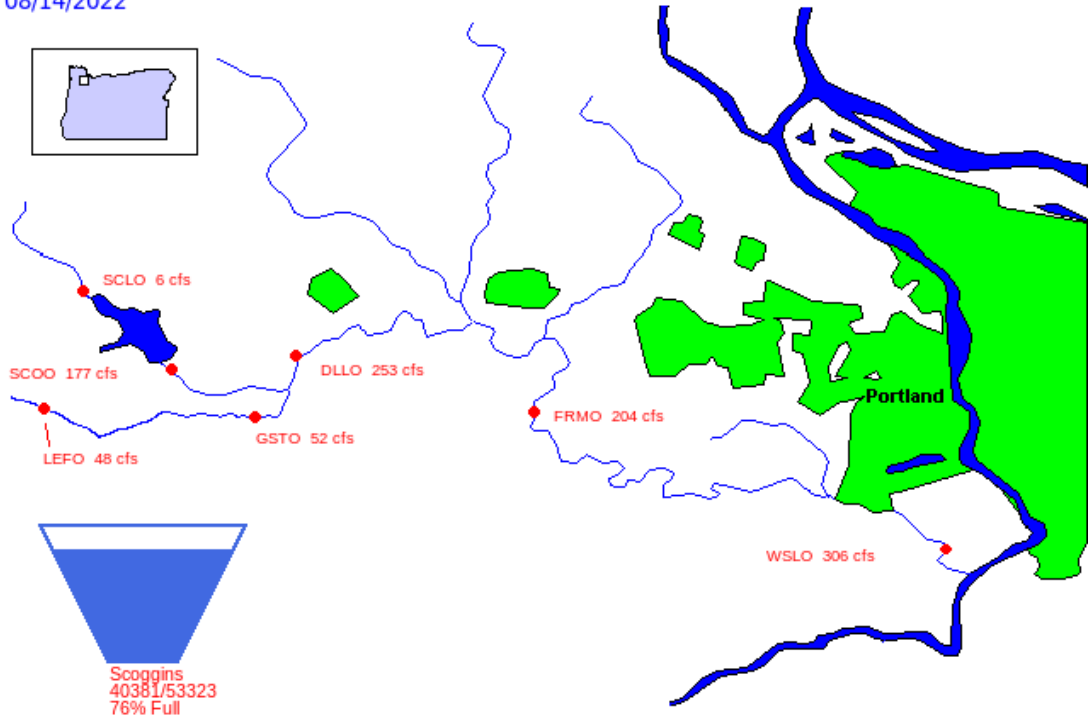
### McKay Dam and Reservoir



\*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

# Tualatin River Basin

08/14/2022



\*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

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RECLAMATION