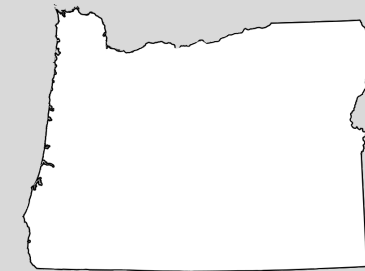




Oregon Snow Survey

Snow Survey and Water Supply Forecasting Program



Oregon
Water Supply Availability Committee
November 2025

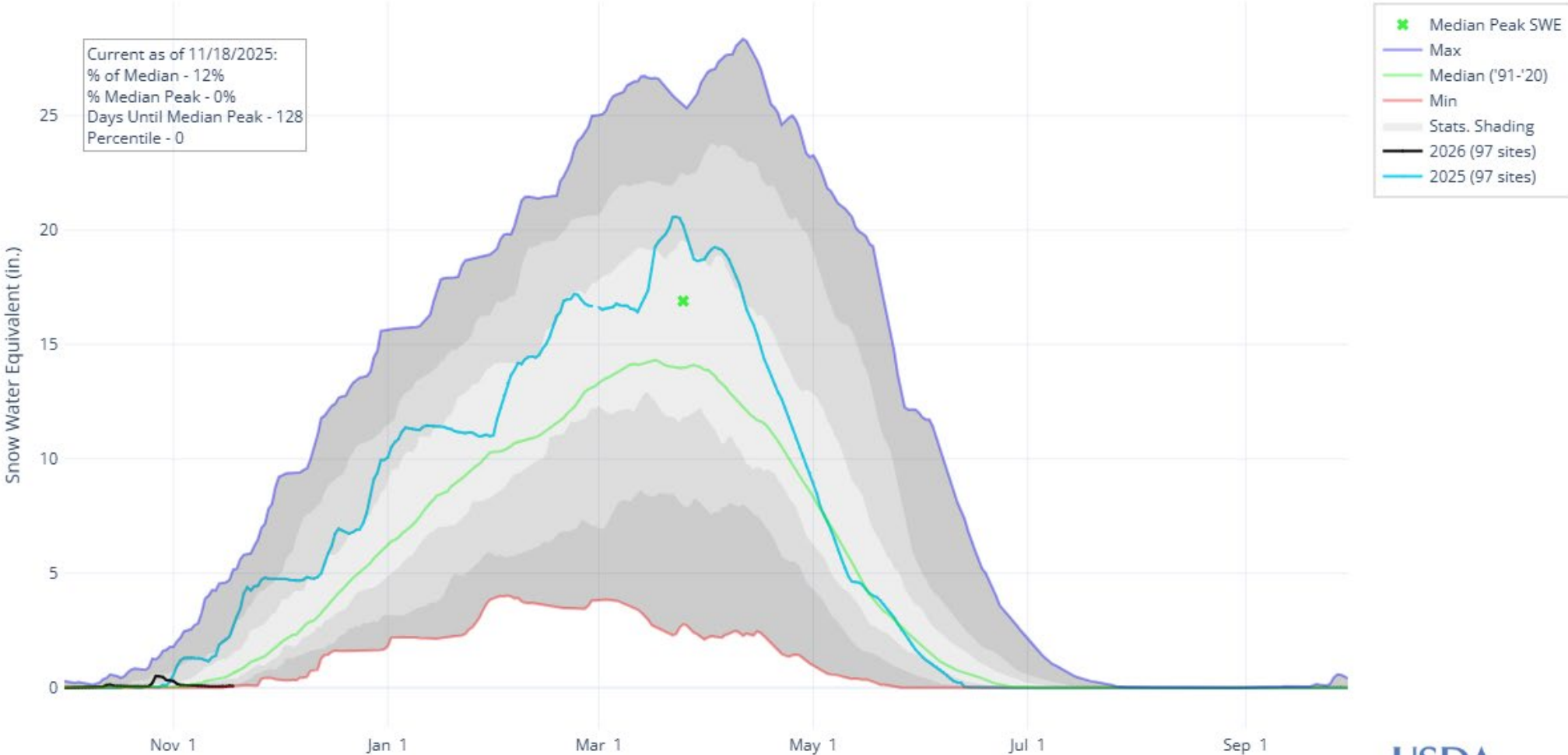
Jason Ward
Hydrologist / Water Supply Specialist
USDA NRCS SSWSF
Portland Data Collection Office
Jason.ward@usda.gov
503-680-1578



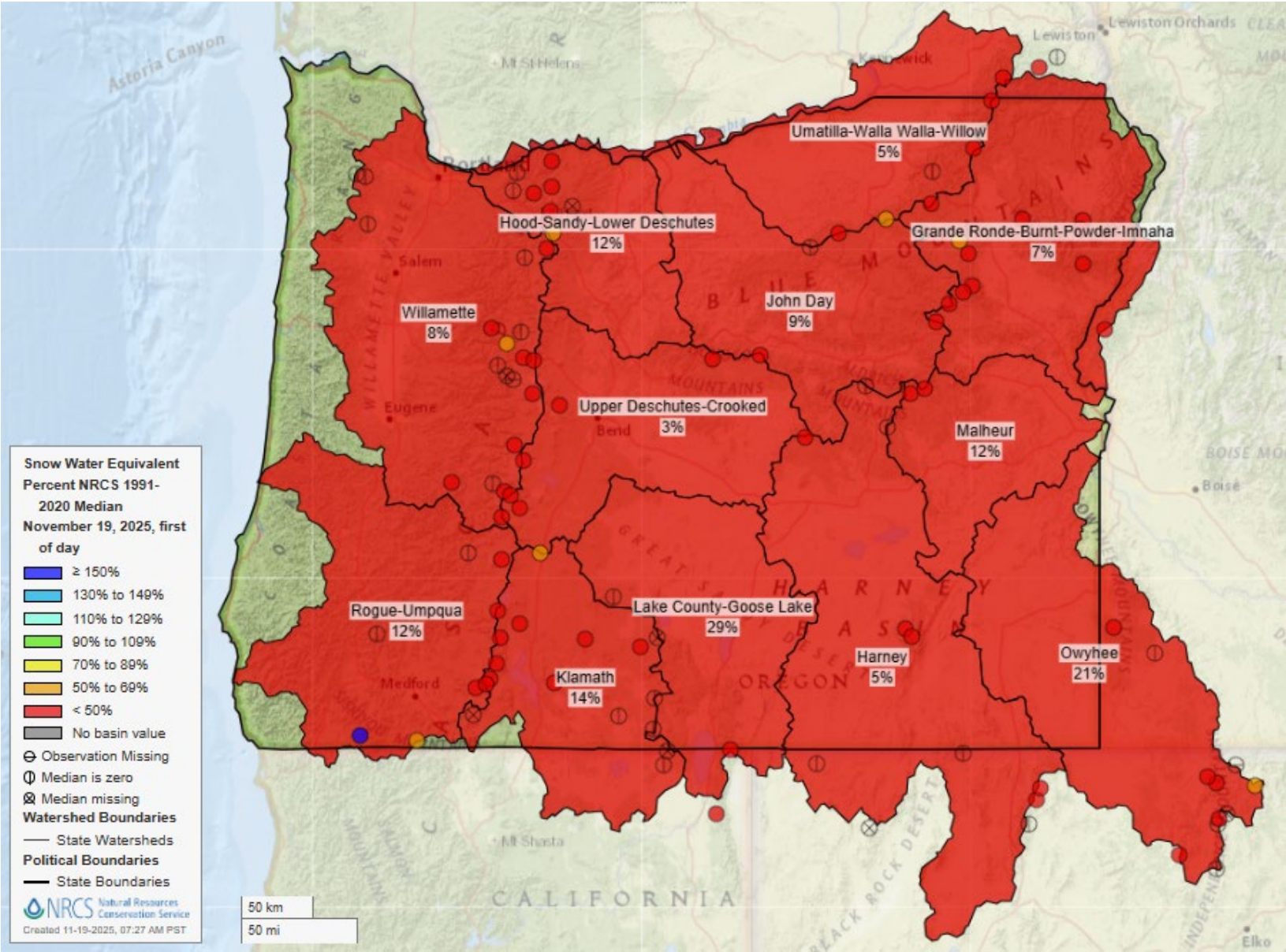
Snowpack Update

Statewide Water Year-to-Date Snowpack

SNOW WATER EQUIVALENT IN STATE OF OREGON



Current Snowpack

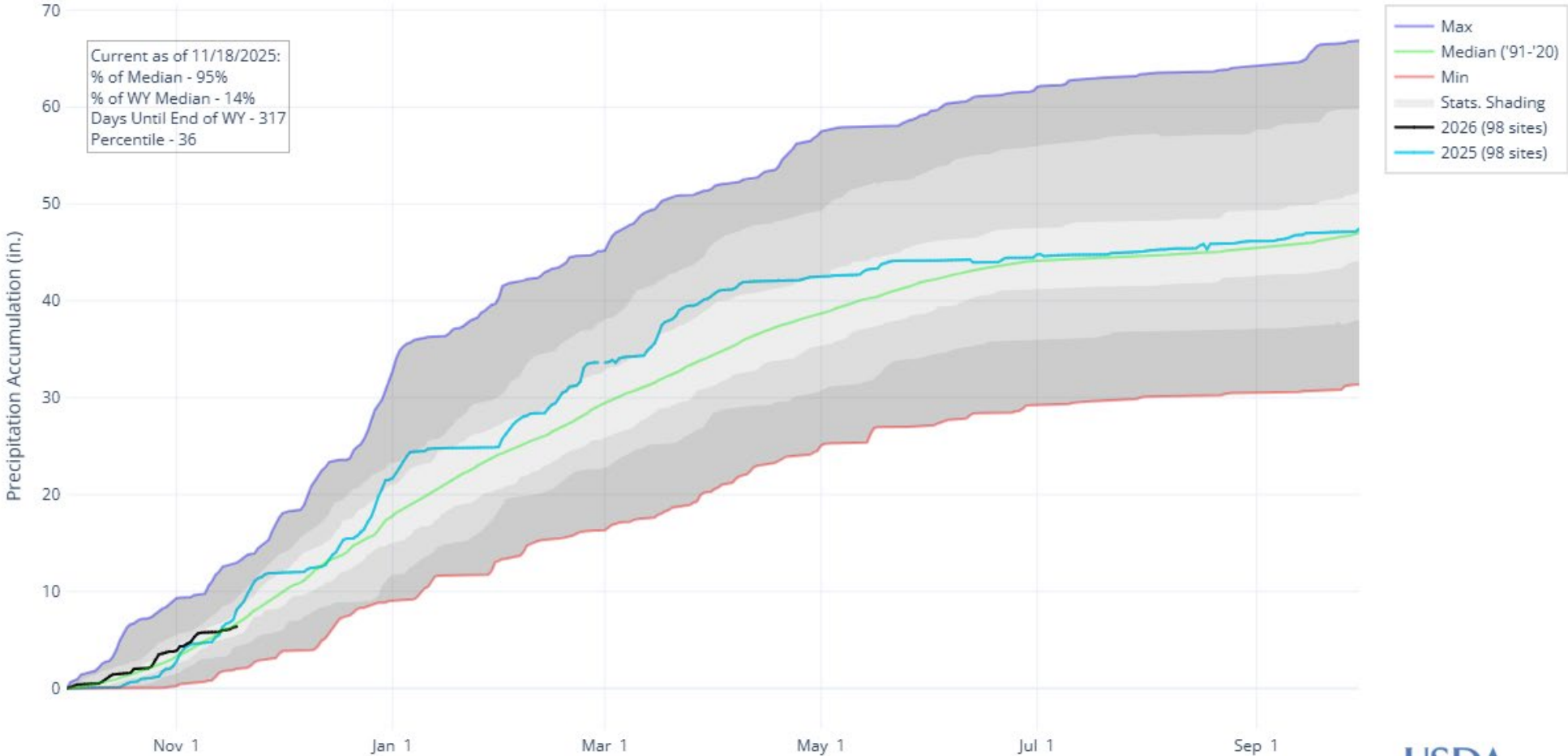




Precipitation

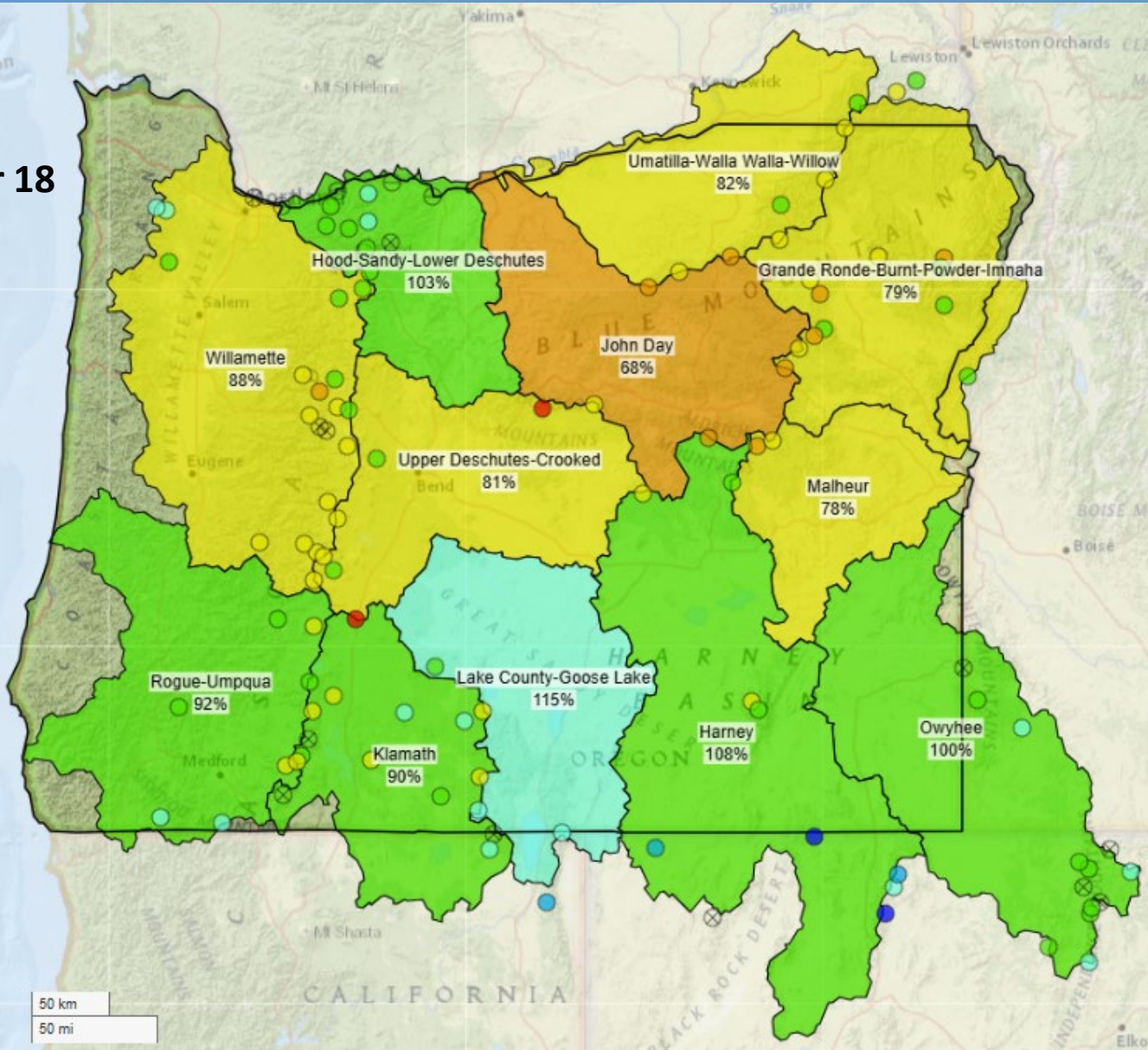
Statewide Water Year-to-Date Precipitation

PRECIPITATION ACCUMULATION IN STATE OF OREGON

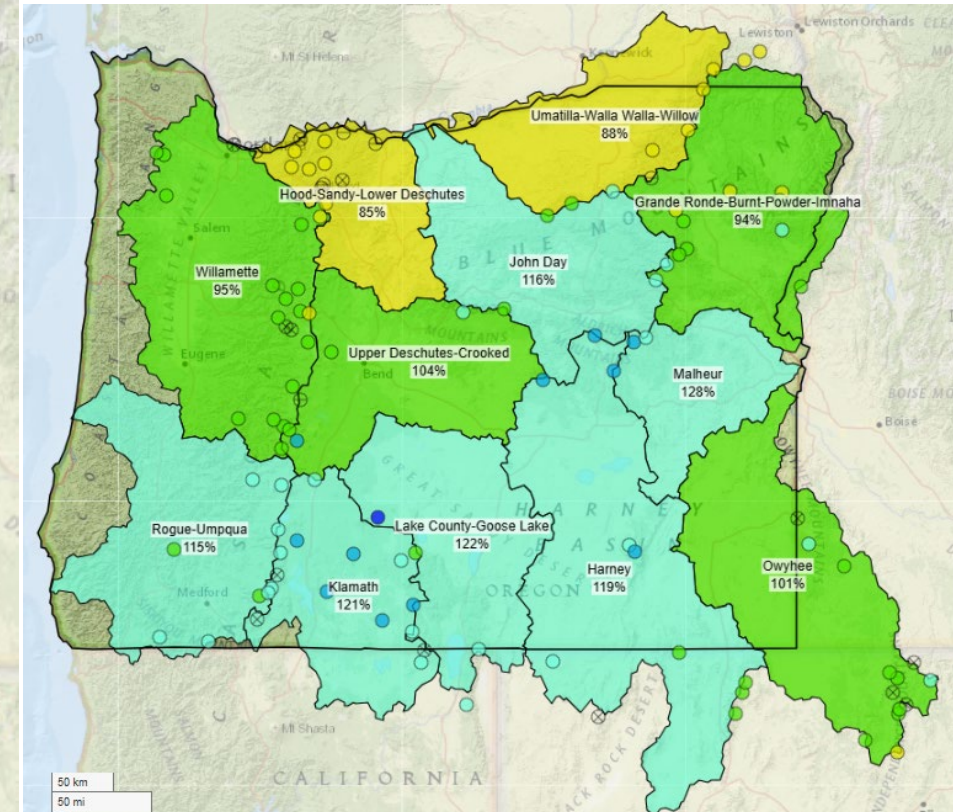


Water Year-to-Date Precipitation

November 18



WY 2025



Water Year to Date Precipitation
Percent NRCS 1991-2020 Median
October 1, 2025 through November 18, 2025

- ≥ 150%
- 130% to 149%
- 110% to 129%
- 90% to 109%
- 70% to 89%
- 50% to 69%
- < 50%
- No basin value
- ⊖ Observation Missing
- ⊕ Median is zero
- ⊗ Median missing

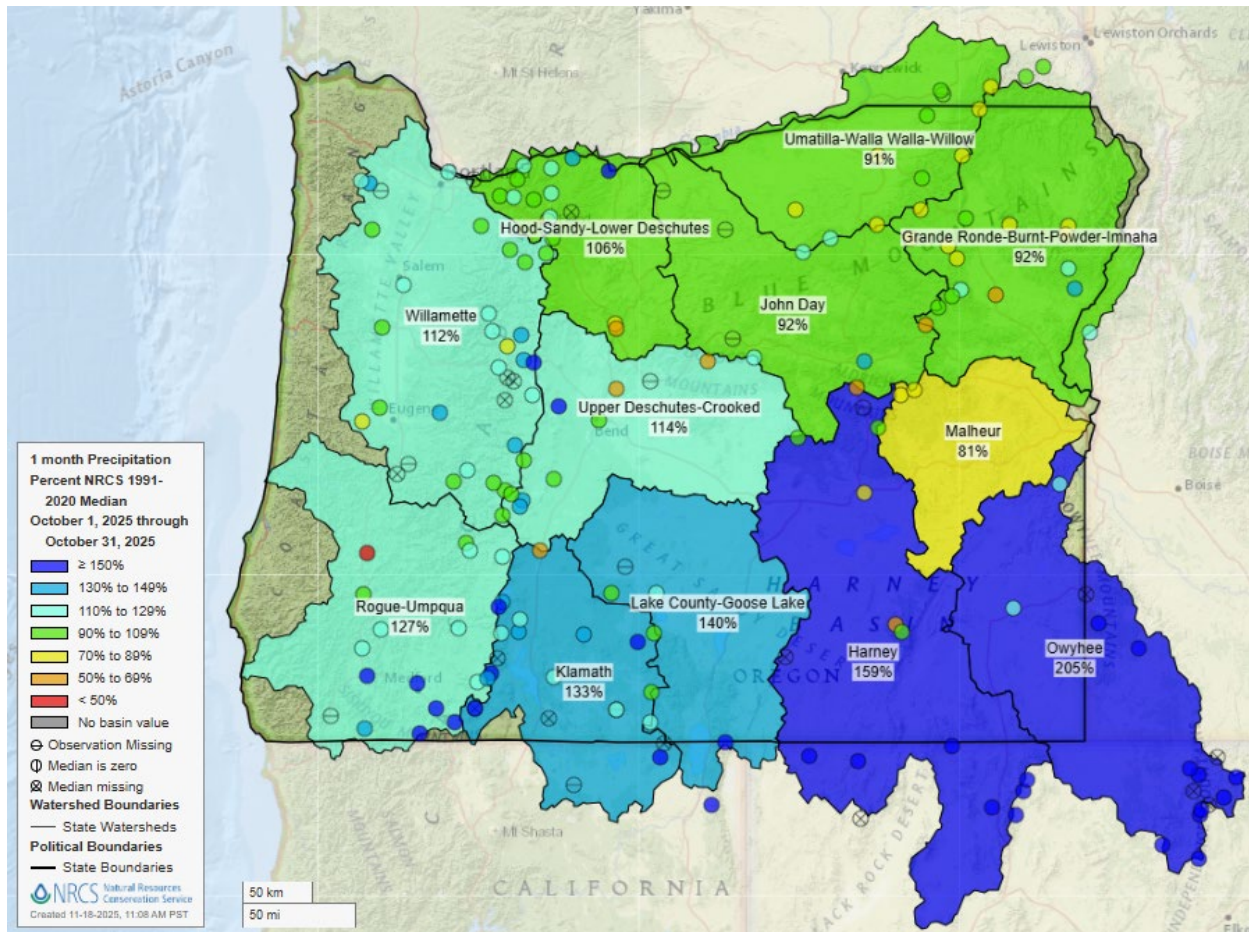
Watershed Boundaries
— State Watersheds

Political Boundaries
— State Boundaries

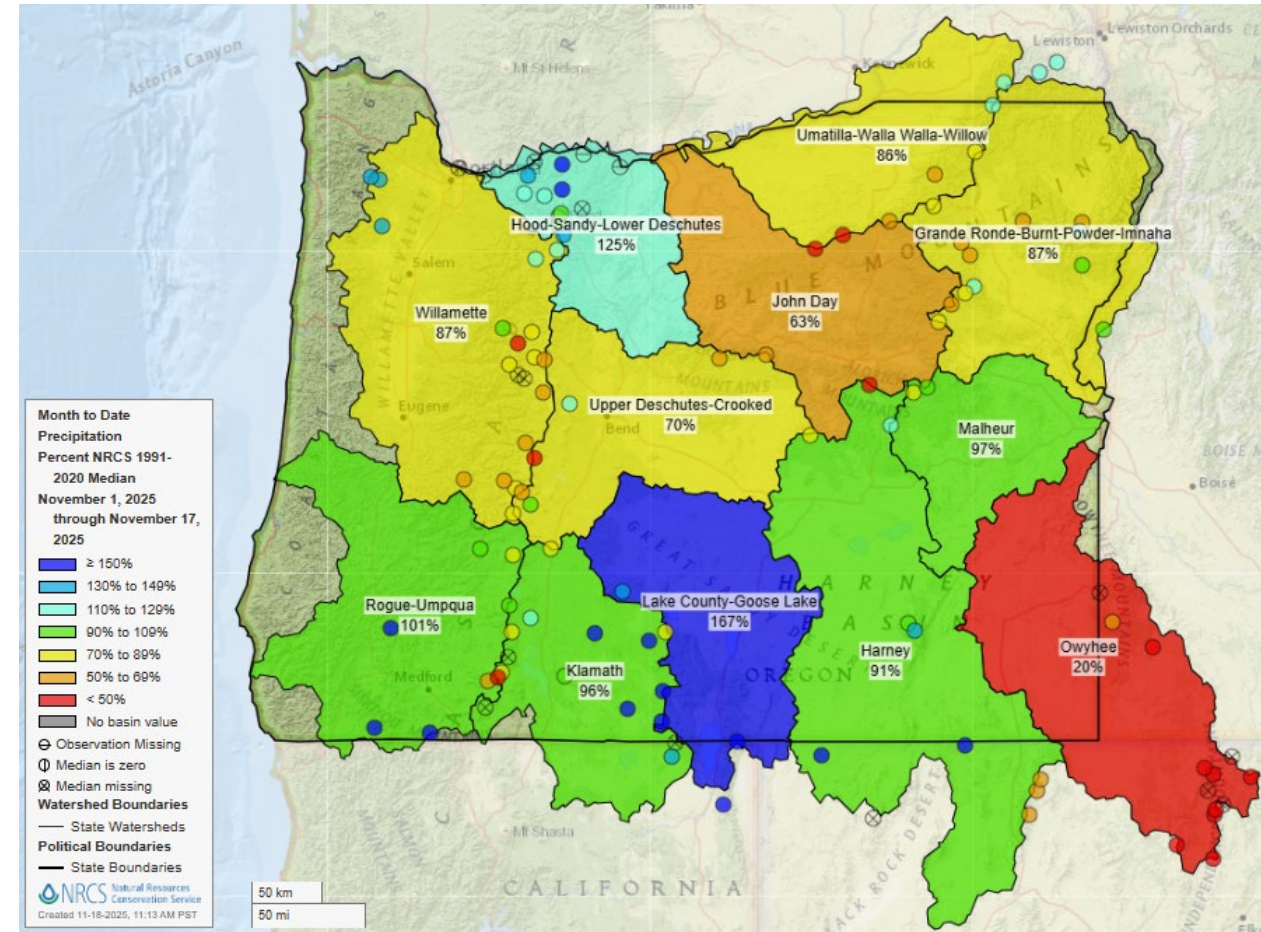
NRCS Natural Resources Conservation Service
Created 11-19-2025, 07:36 AM PST

Precipitation

October

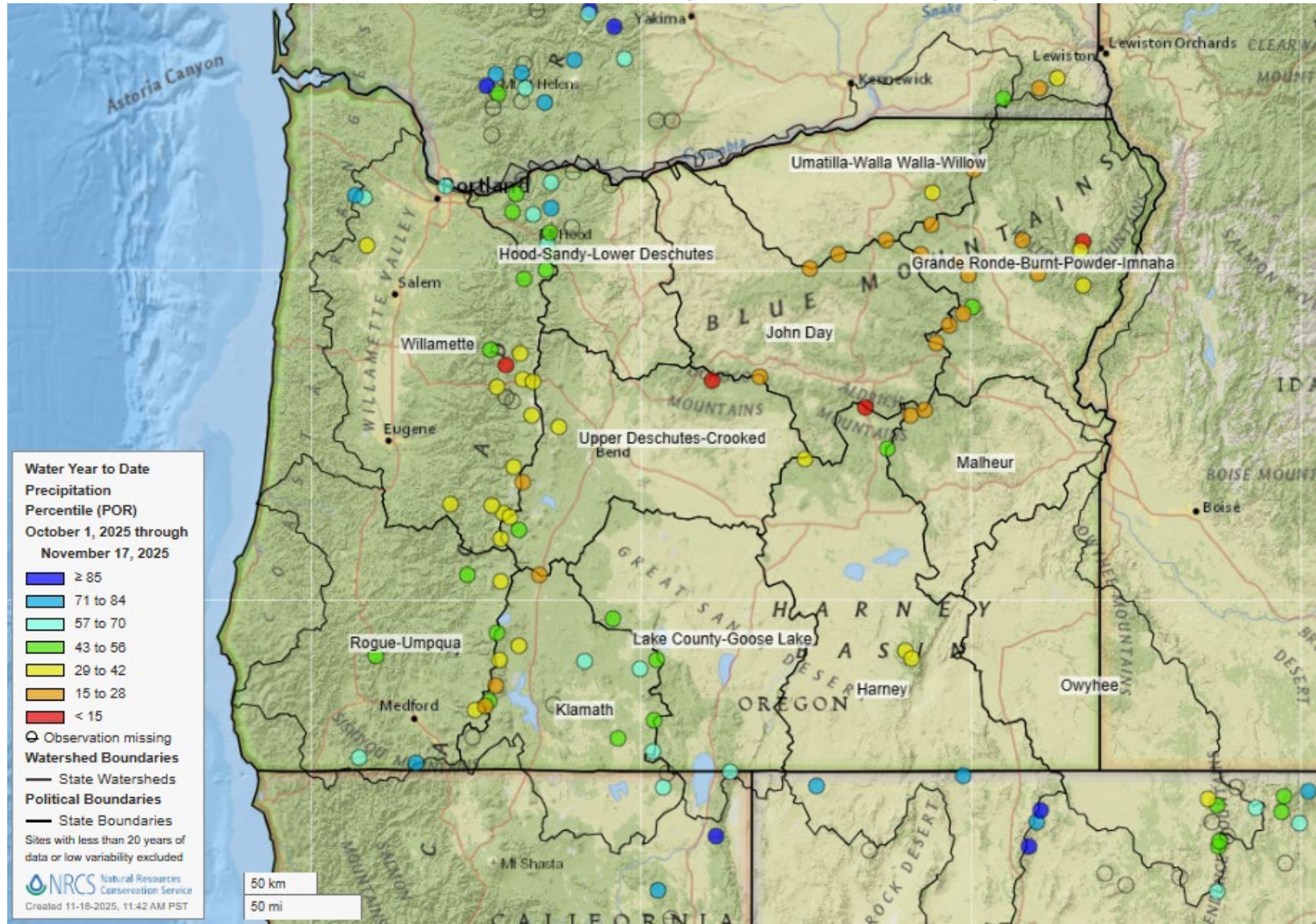


November (month to date)



Precipitation

Oct 1 – Nov 17 Percentile (1991-2020 median)

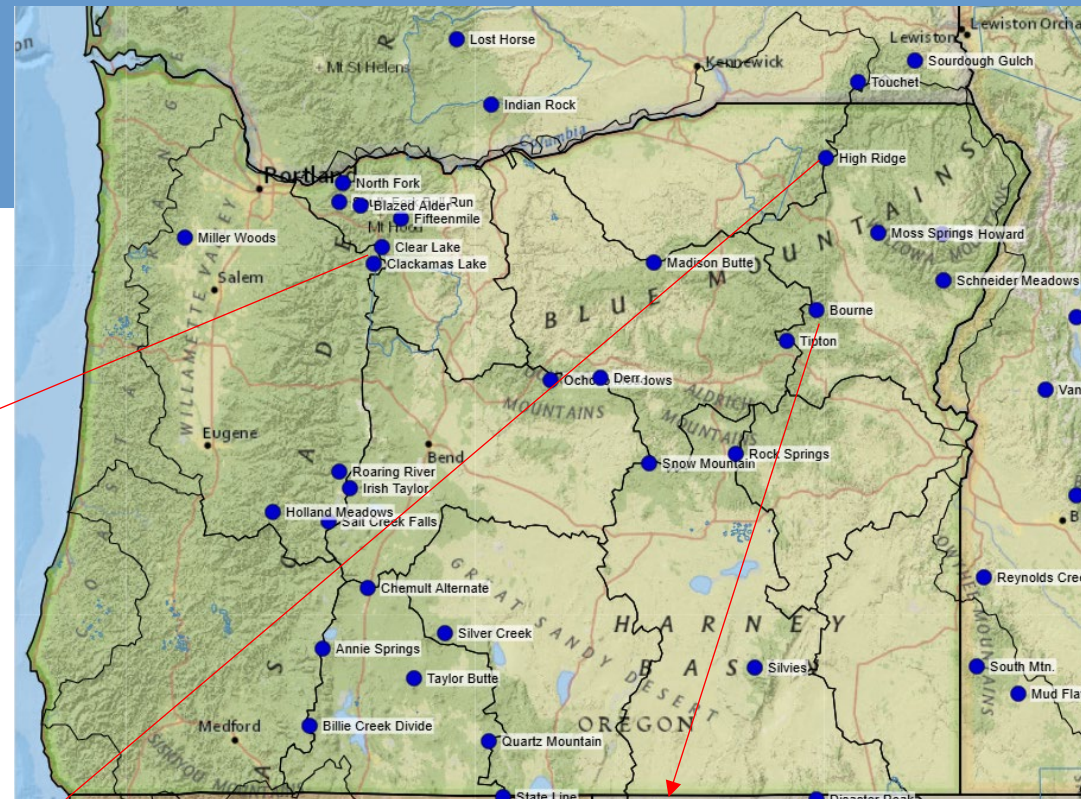
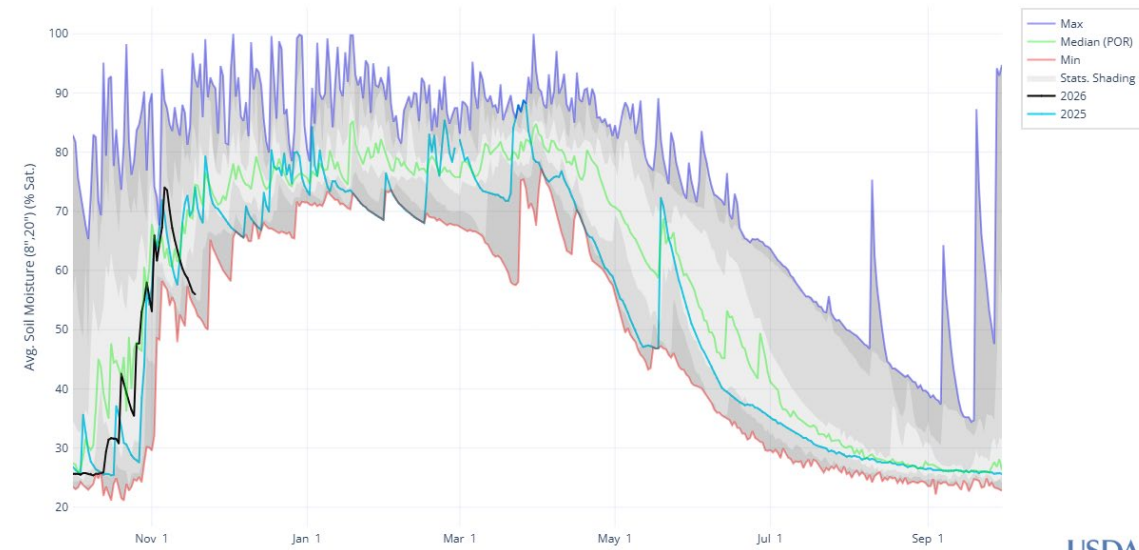




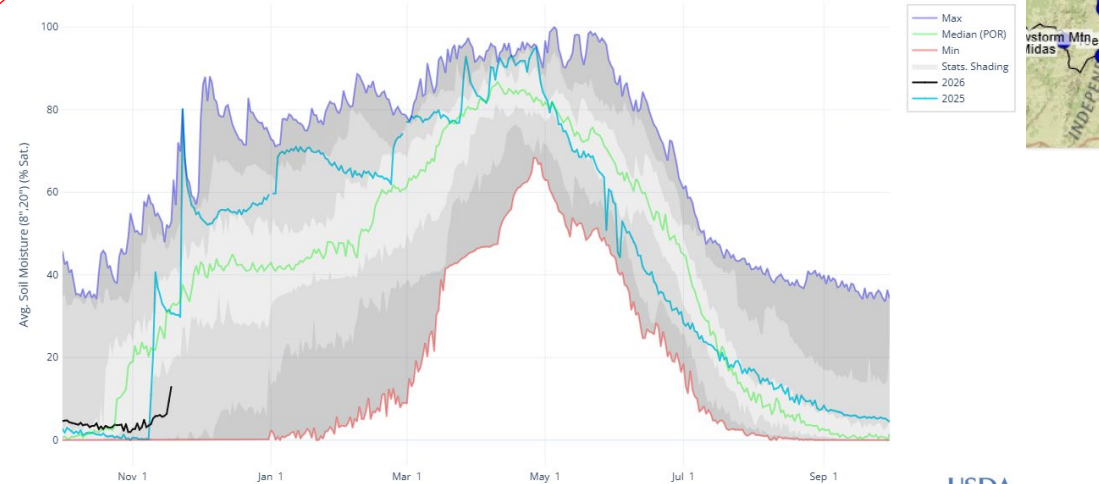
Soil Moisture

SNOTEL: Soil Moisture

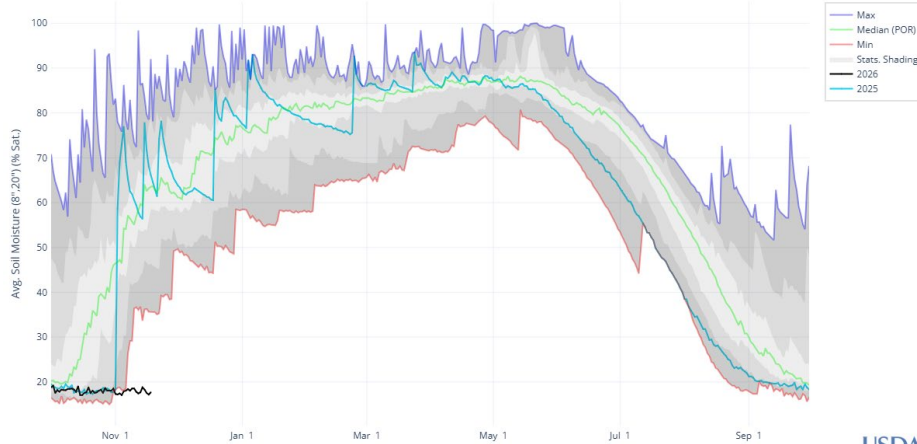
CLEAR LAKE, OR (401) AVG. SOIL MOISTURE (8",20")



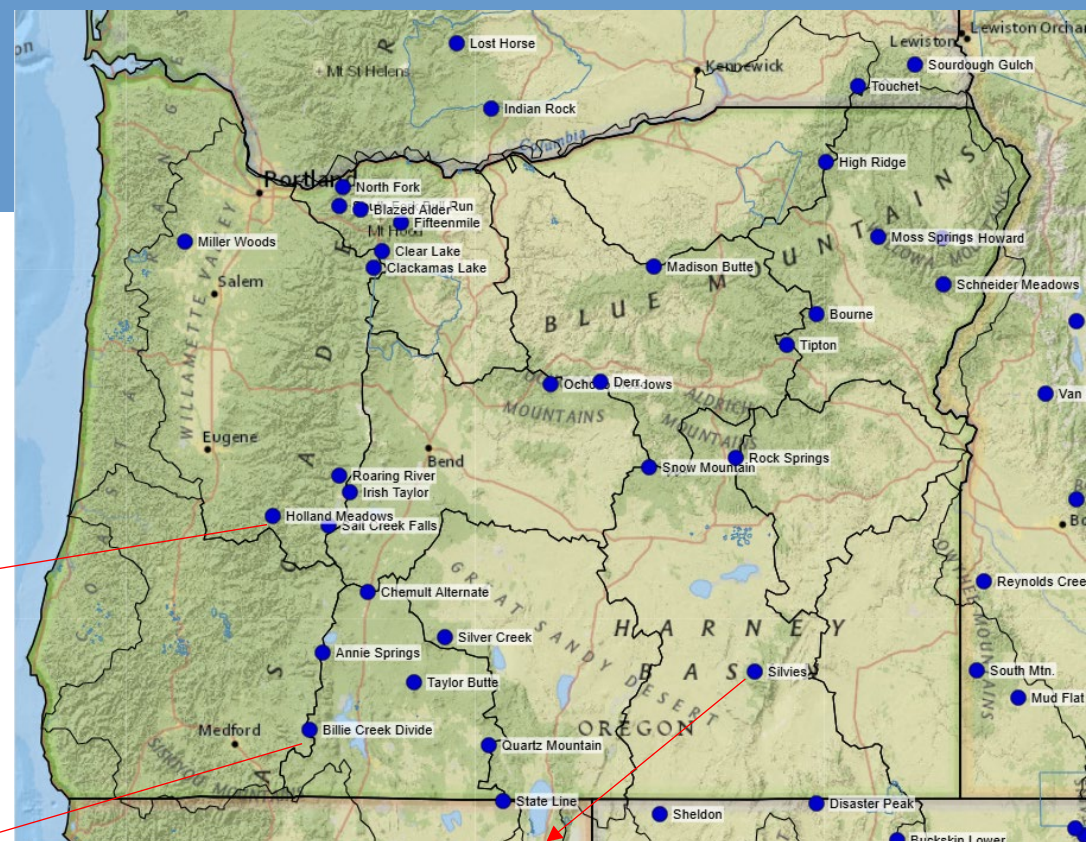
BOURNE, OR (361) AVG. SOIL MOISTURE (8",20")



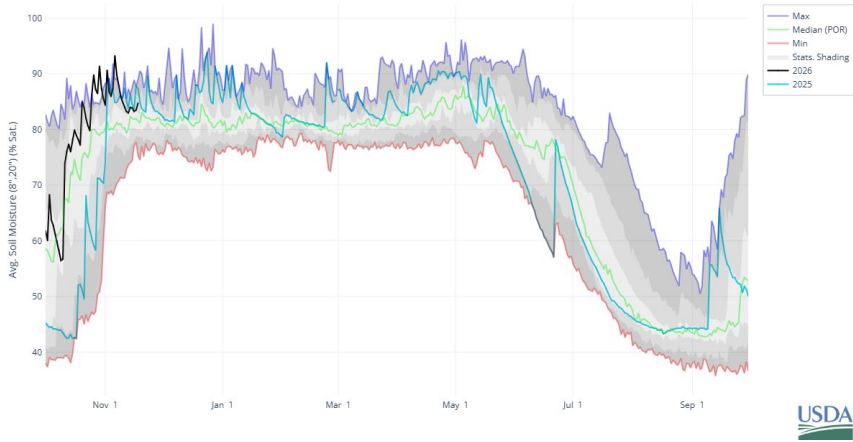
HIGH RIDGE, OR (523) AVG. SOIL MOISTURE (8",20")



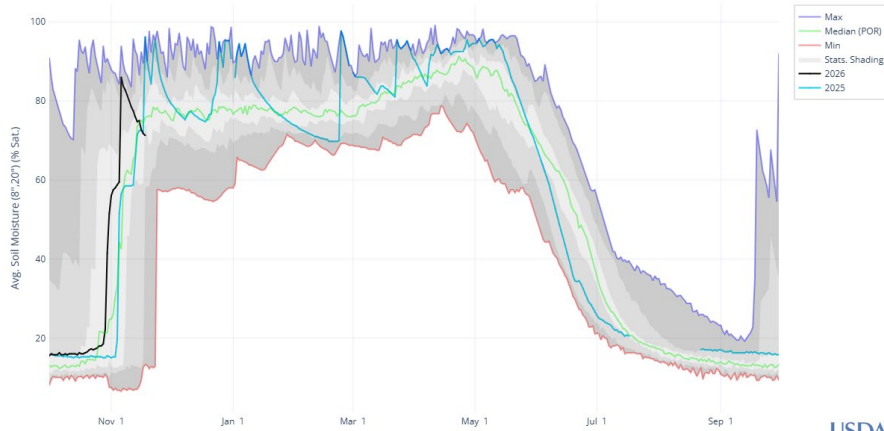
SNOTEL: Soil Moisture



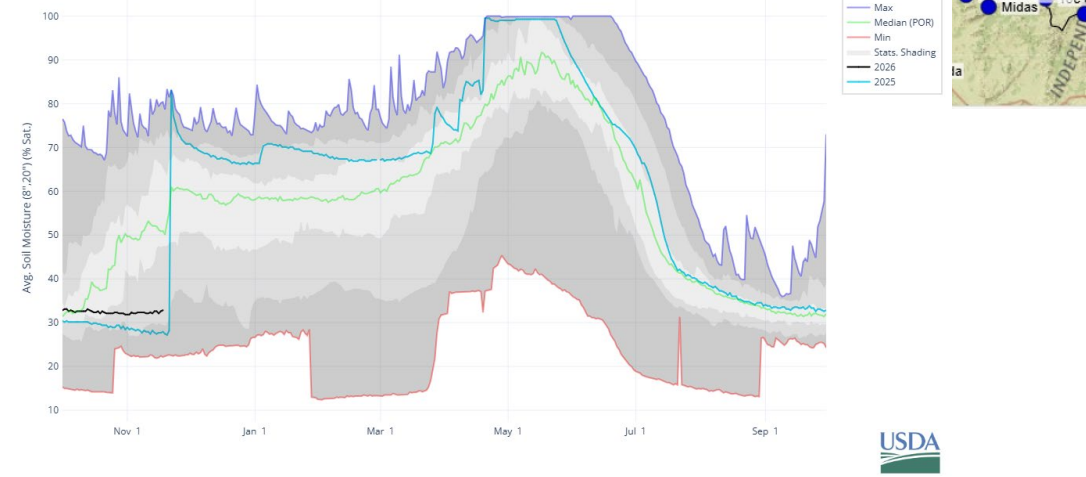
HOLLAND MEADOWS, OR (529) AVG. SOIL MOISTURE (8", 20")



BILLIE CREEK DIVIDE, OR (344) AVG. SOIL MOISTURE (8", 20")



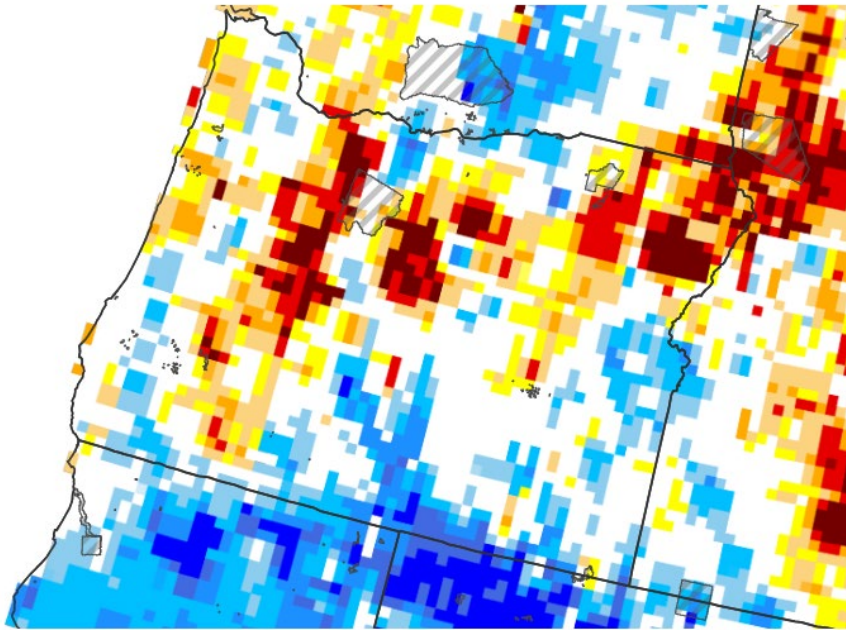
SILVIES, OR (759) AVG. SOIL MOISTURE (8", 20")



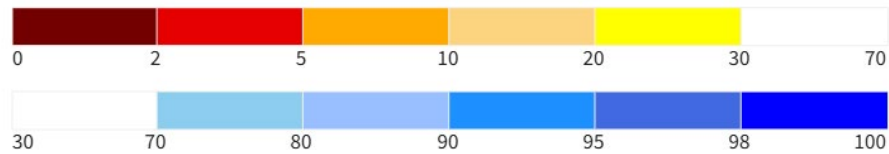
Root-Zone Soil Moisture

Last update 11/15

GRACE Root Zone Soil Moisture Percentile



Root Zone Soil Moisture: Wetness Percentile



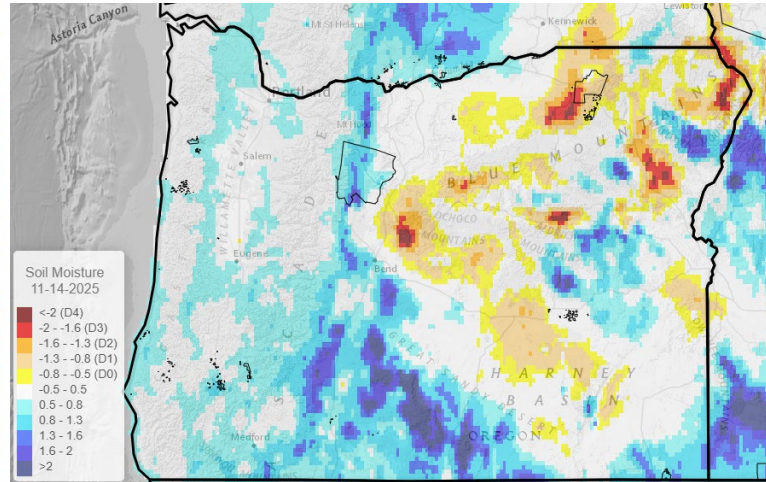
Tribal Nations

Tribal Nation Boundaries

Source(s): NASA, National Drought Mitigation Center
Data Valid: 11/15/25

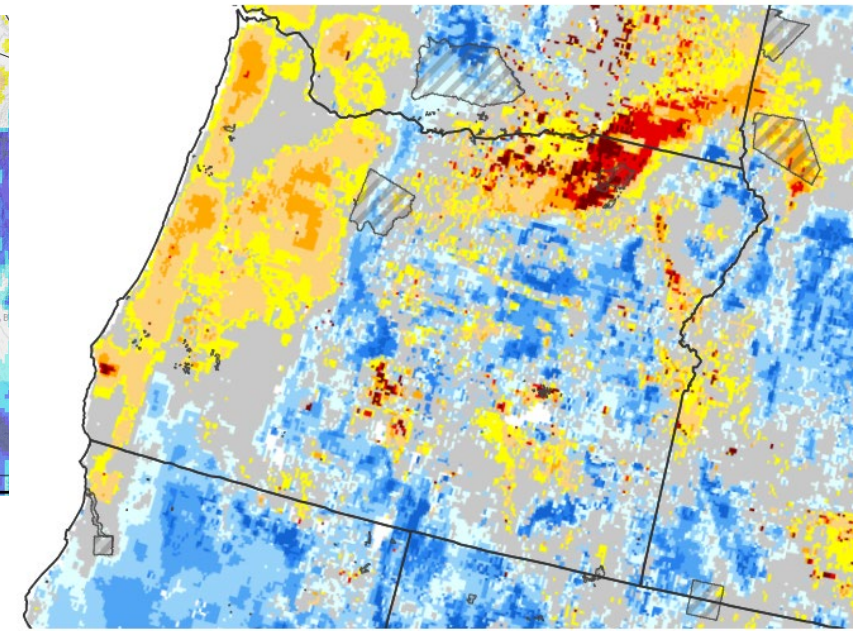
Drought.gov

Topofire 11/14

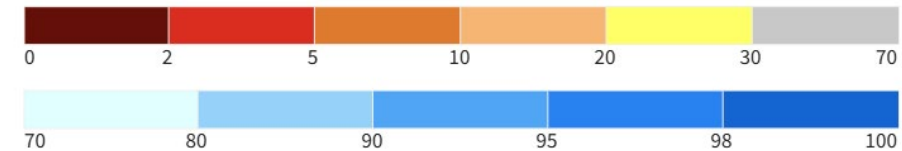


SPoRT-LiS Last update 11/17

0-100 cm Soil Moisture Percentile



0-100 cm Soil Moisture Percentile



Tribal Nations

Tribal Nation Boundaries

Source(s): NASA
Data Valid: 11/17/25

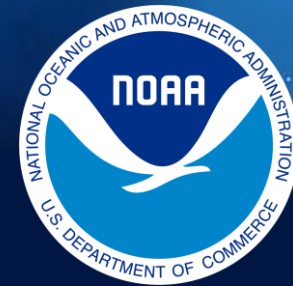
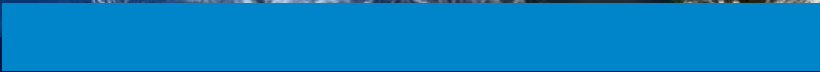
Drought.gov



Thank you!

Jason Ward
Hydrologist / Water Supply Specialist
USDA NRCS SSWSF
Portland Data Collection Office
Jason.ward@usda.gov
503-680-1578

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Oregon Climate Summary and Outlook

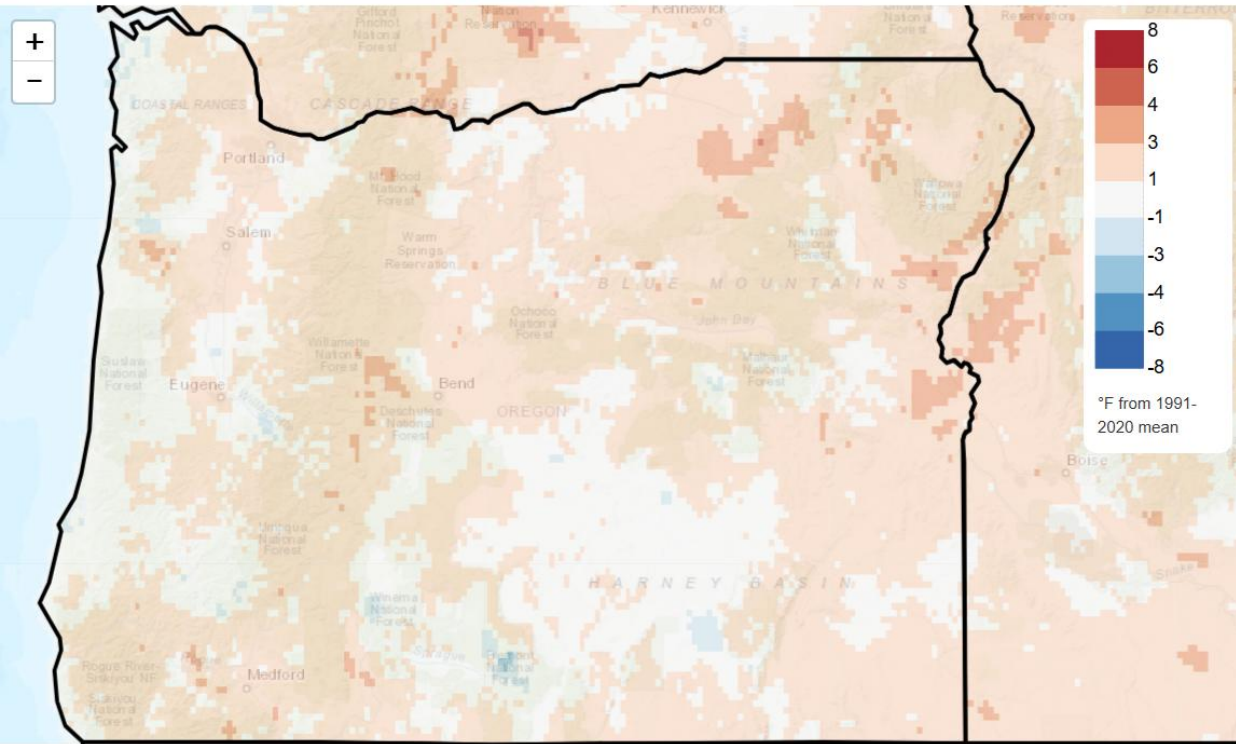
Nov 19, 2025

Tanja Fransen, Meteorologist in Charge

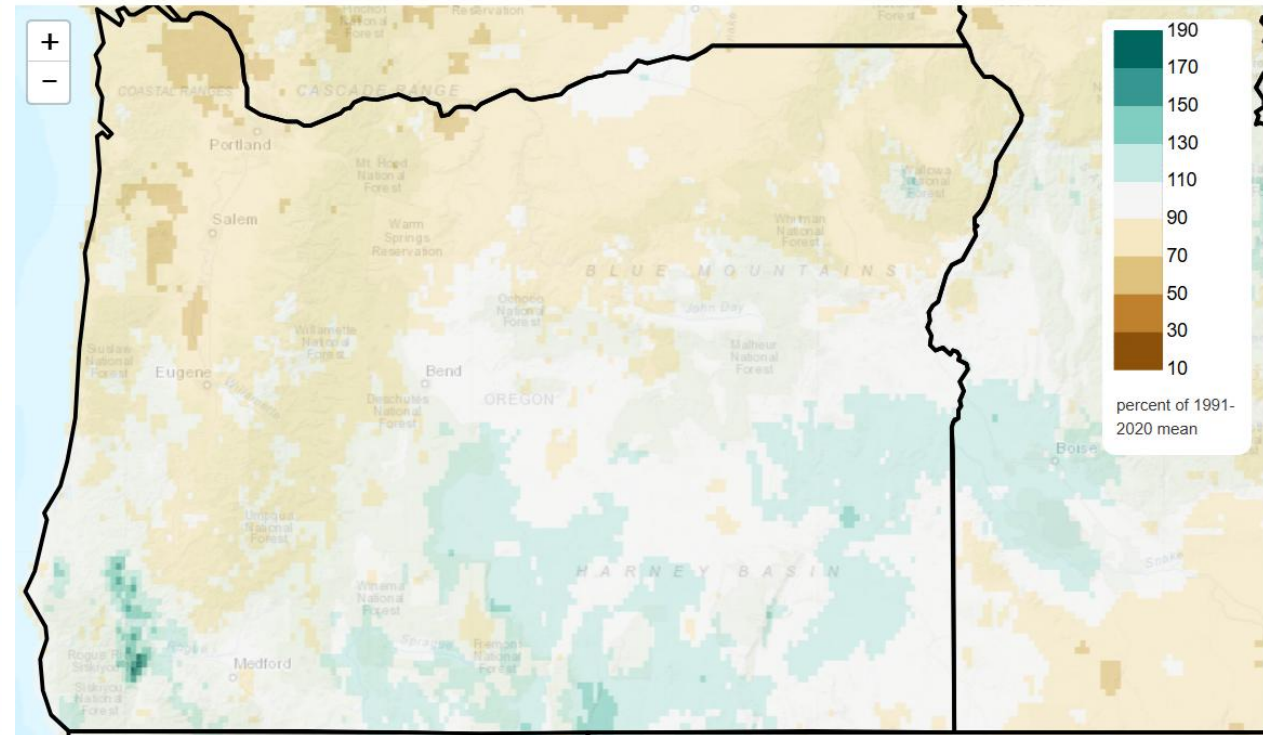
U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service Portland, OR

CY2025 Temps/Precipitation from Normal

Mean Daily Temperature Anomaly, Last Jan to Last Full Month
2025/01/01 - 2025/10/31

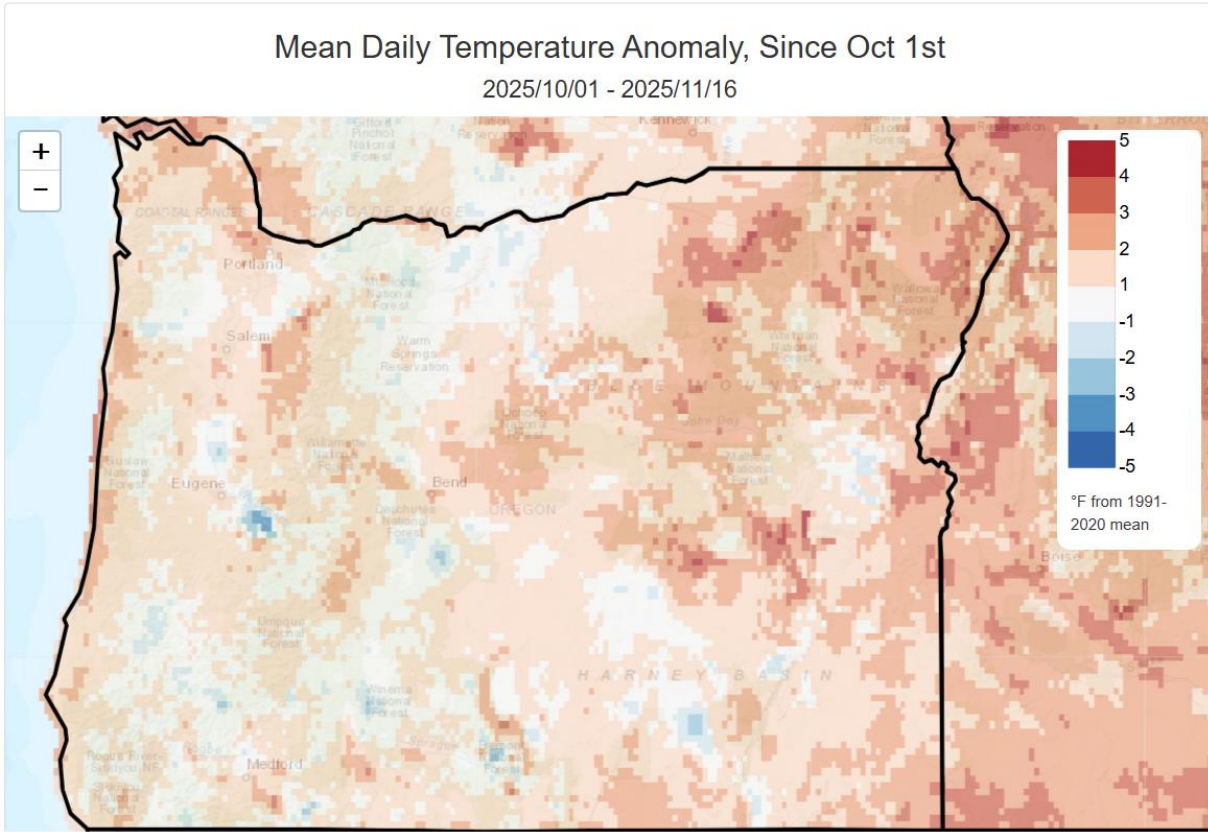


Total Precipitation Anomaly, Since Jan 1st
2025/01/01 - 2025/10/19

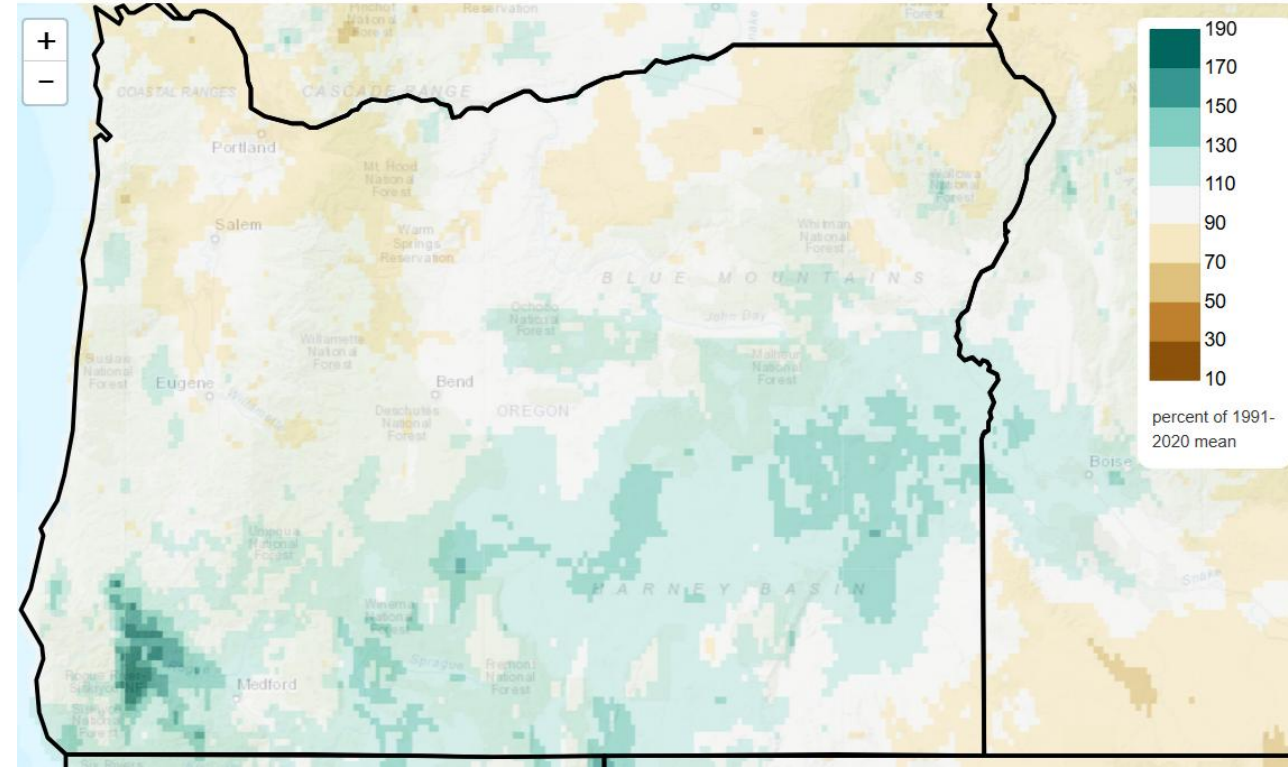


WY2025 Temps/Precipitation from Normal

Mean Daily Temperature Anomaly, Since Oct 1st
2025/10/01 - 2025/11/16

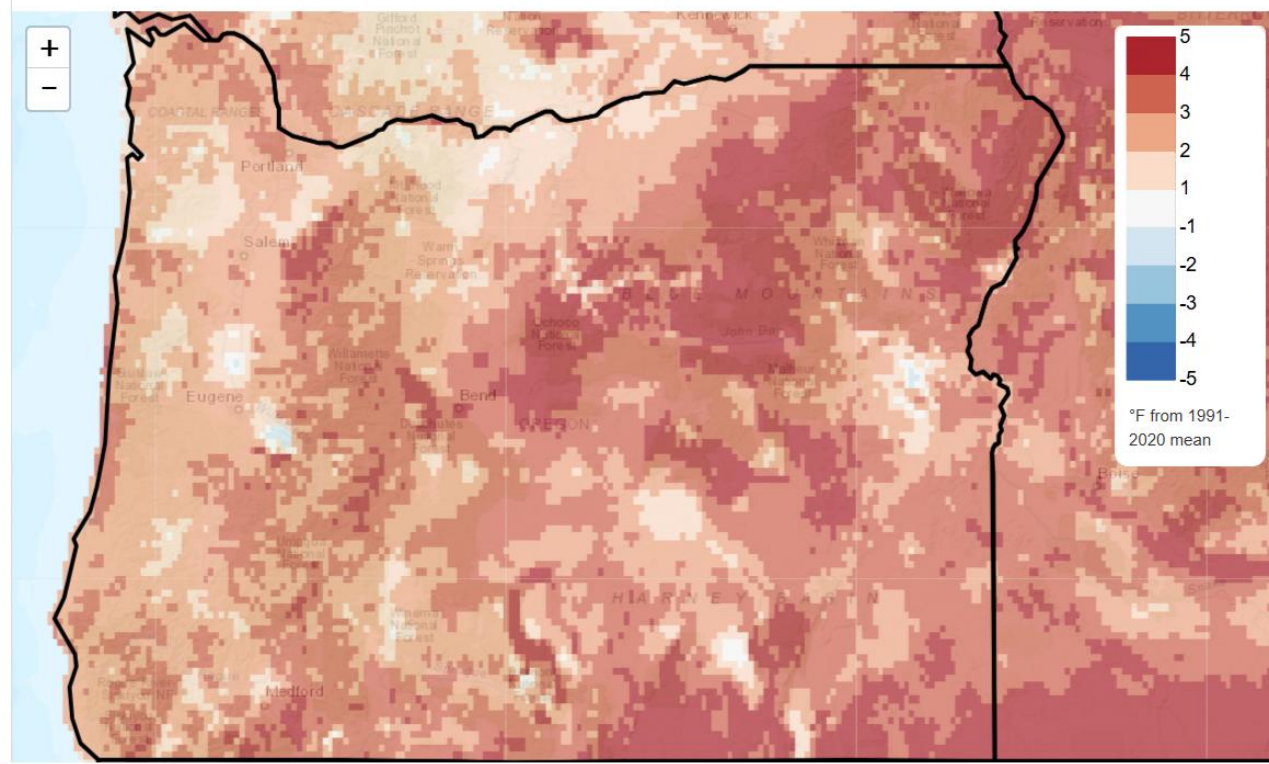


Total Precipitation Anomaly, Last Oct to Last Full Month
2024/10/01 - 2025/09/30

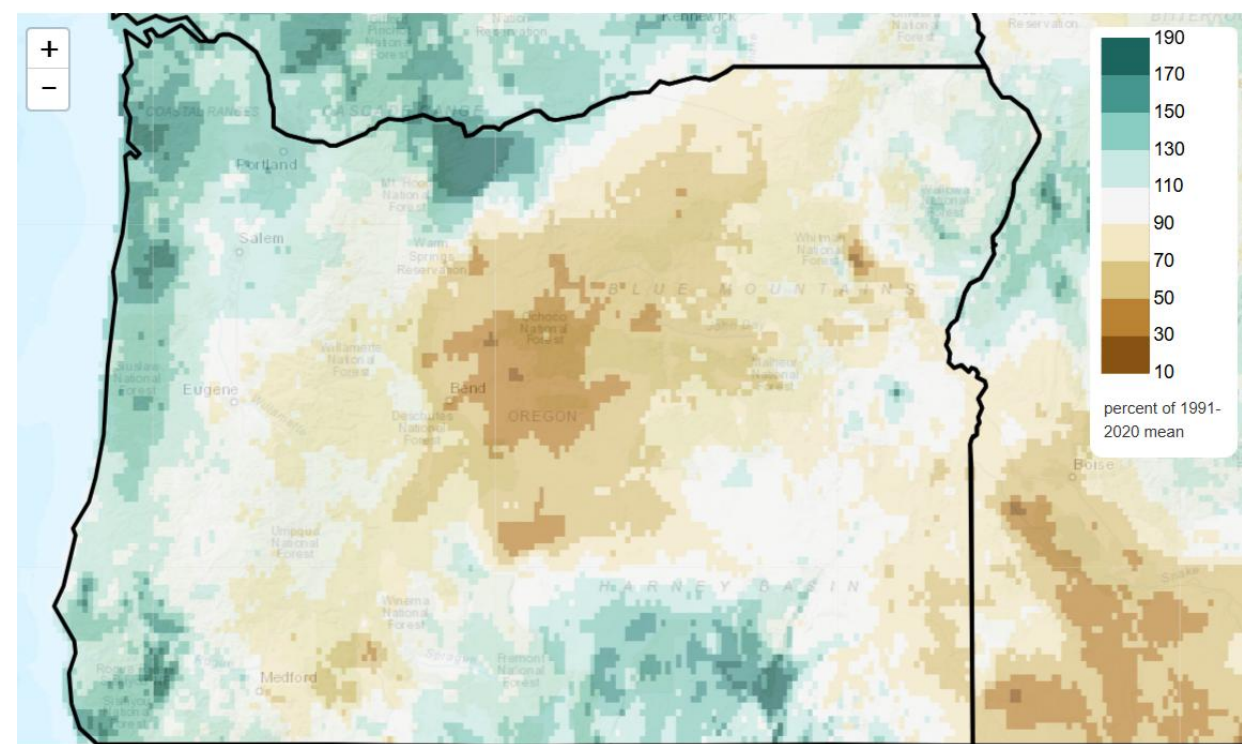


Last 30 Days Temps/Precipitation from Normal

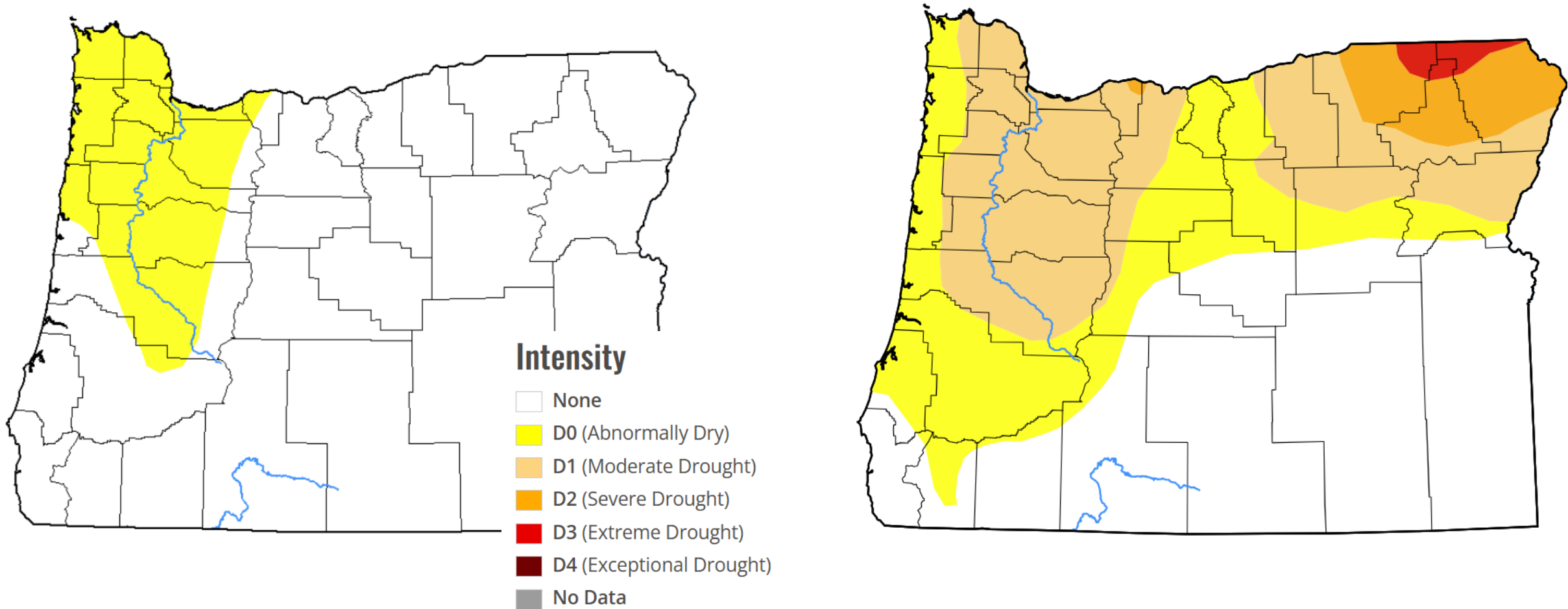
Mean Daily Temperature Anomaly, Last 30 Days
2025/10/18 - 2025/11/16



Total Precipitation Anomaly, Last 30 Days
2025/10/18 - 2025/11/16



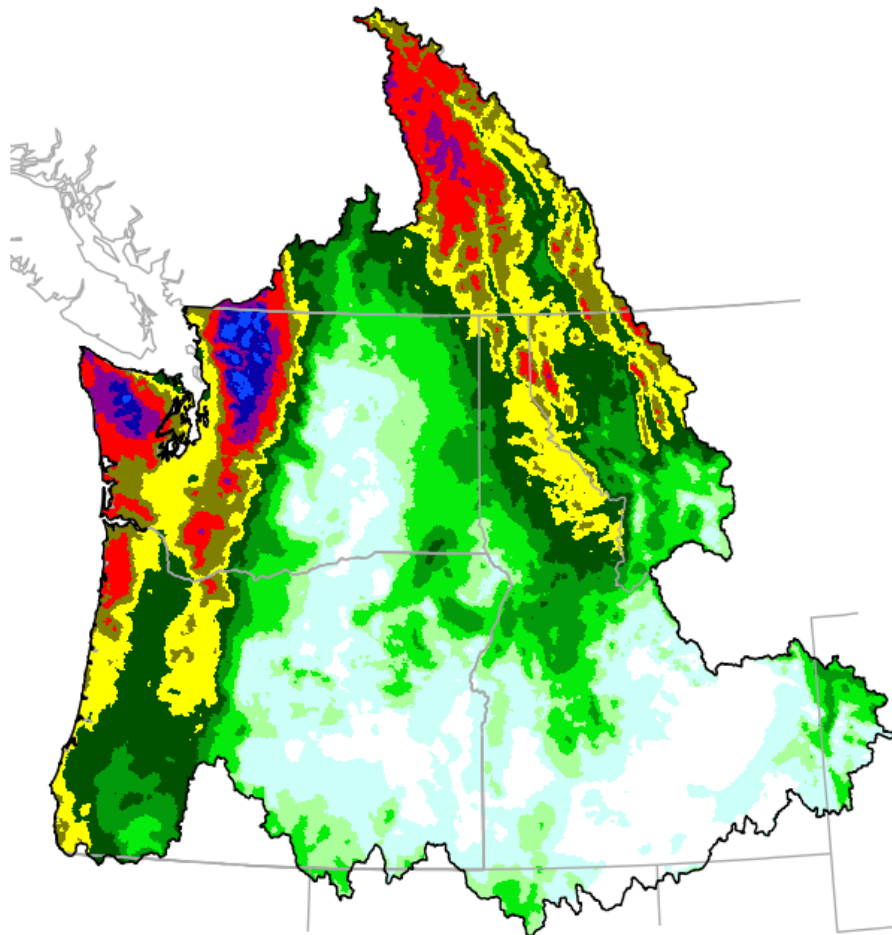
Drought Monitor 4/29/2025 (Left) and 11/13/2025 (Right)



NWRFC 10 Day Precipitation Forecast



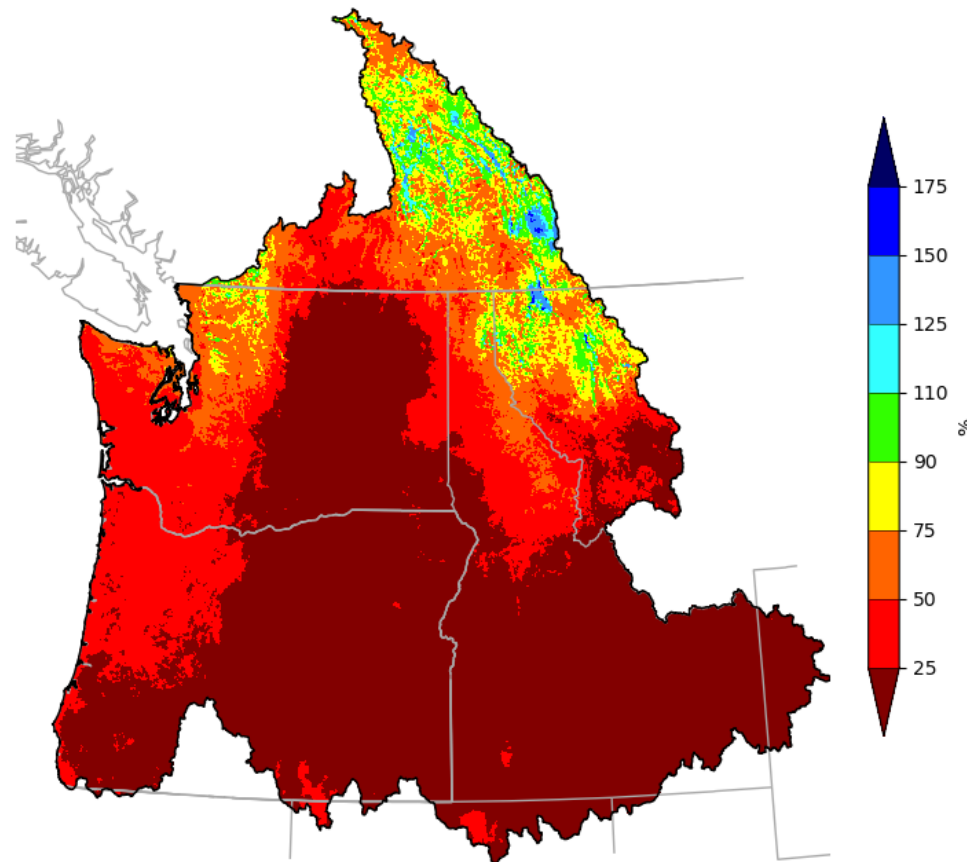
Northwest River Forecast Center
10 Day QPF, Ending 12Z, 11/28/25



Creation Time: Tue Nov 18 21:33:58 UTC 2025



Northwest River Forecast Center
10 Day QPF (Percent of Climatology), Ending 12Z, 11/28/25

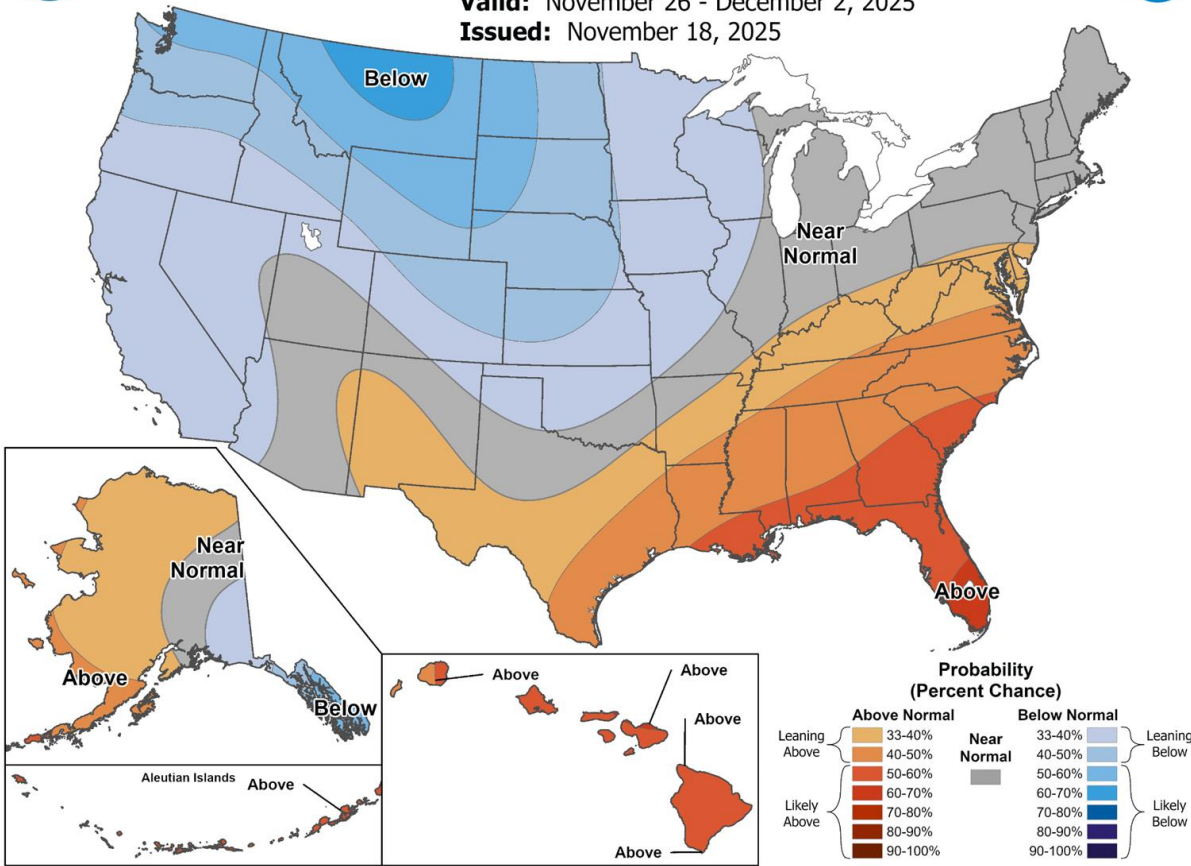


Creation Time: Tue Nov 18 21:34:13 UTC 2025

CPC 8-14 Day Outlook

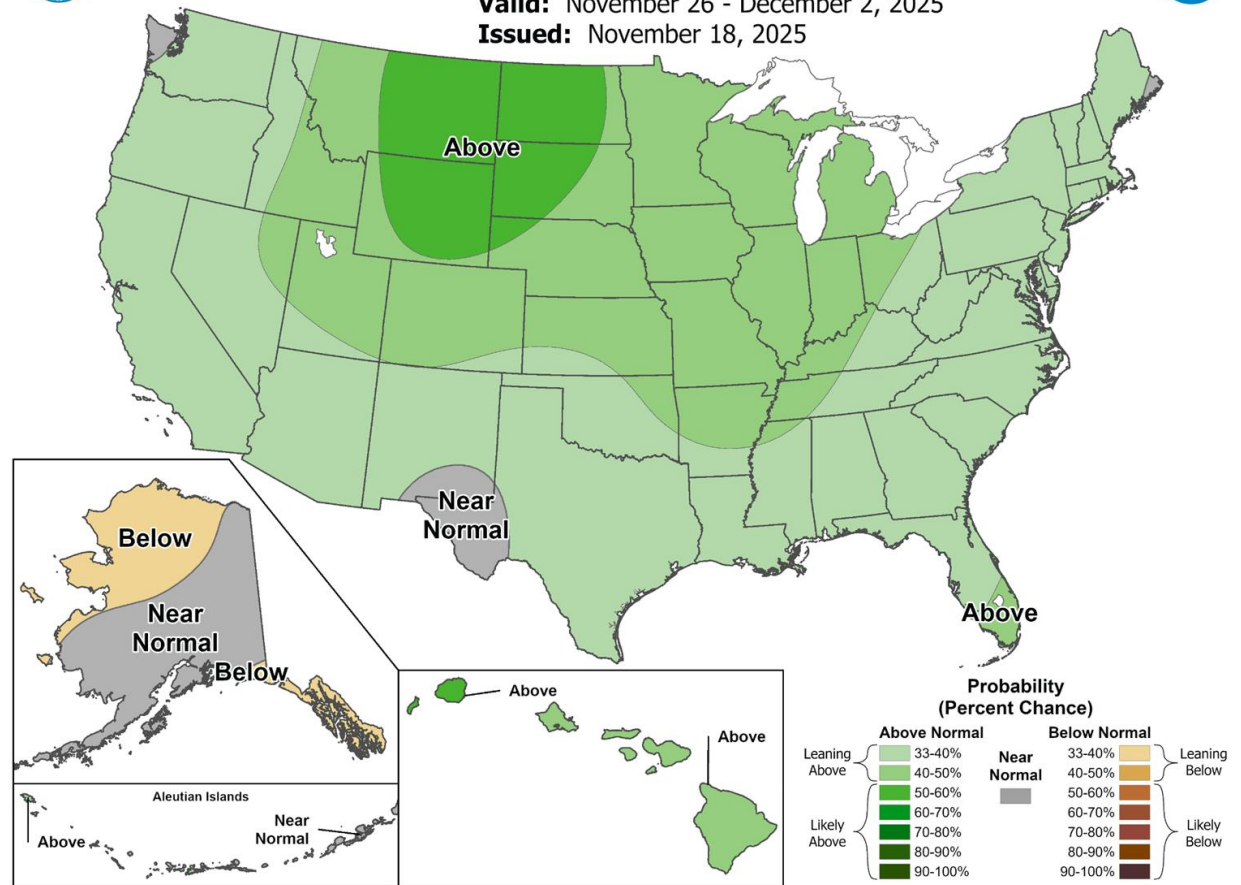
8-14 Day Temperature Outlook

Valid: November 26 - December 2, 2025
Issued: November 18, 2025



8-14 Day Precipitation Outlook

Valid: November 26 - December 2, 2025
Issued: November 18, 2025



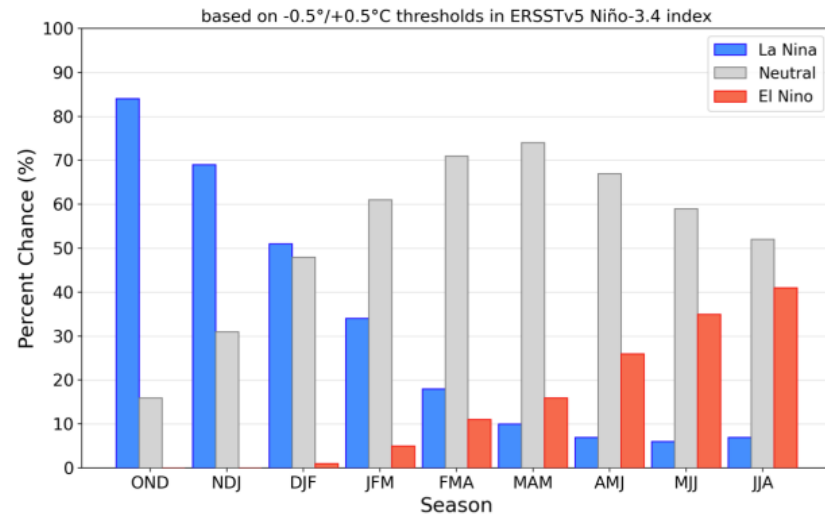
ENSO: Weak La Niña Pattern

CPC Probabilistic ENSO Outlook

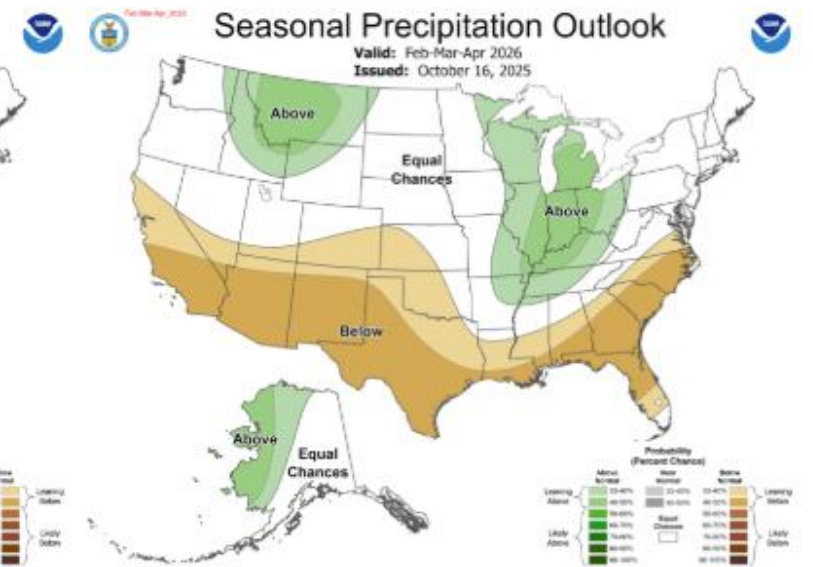
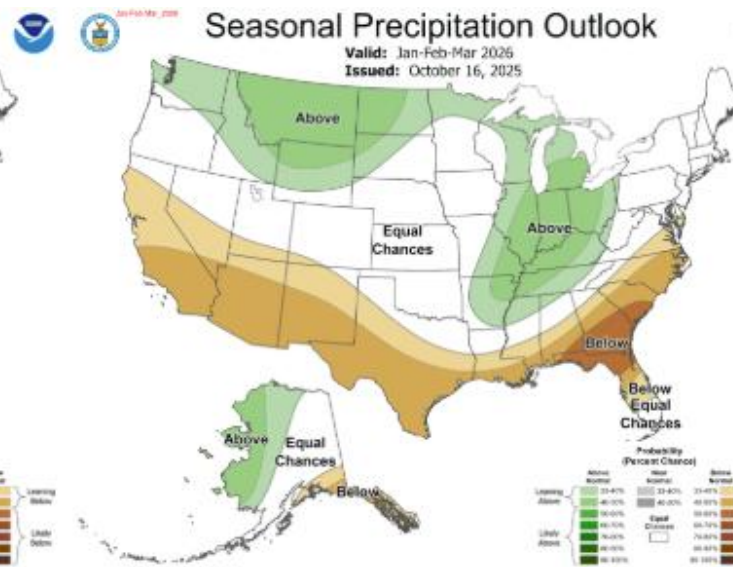
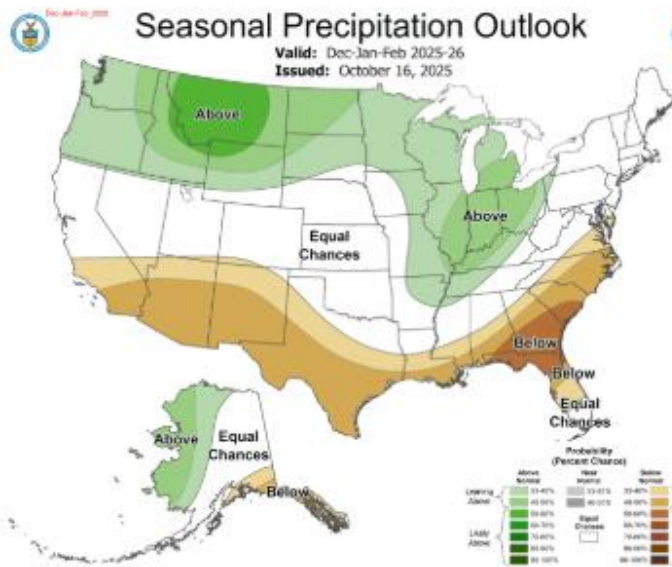
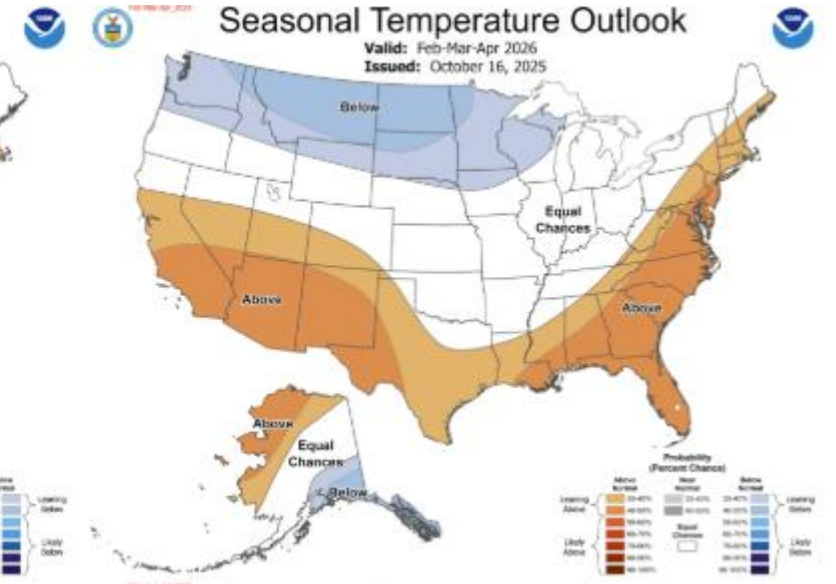
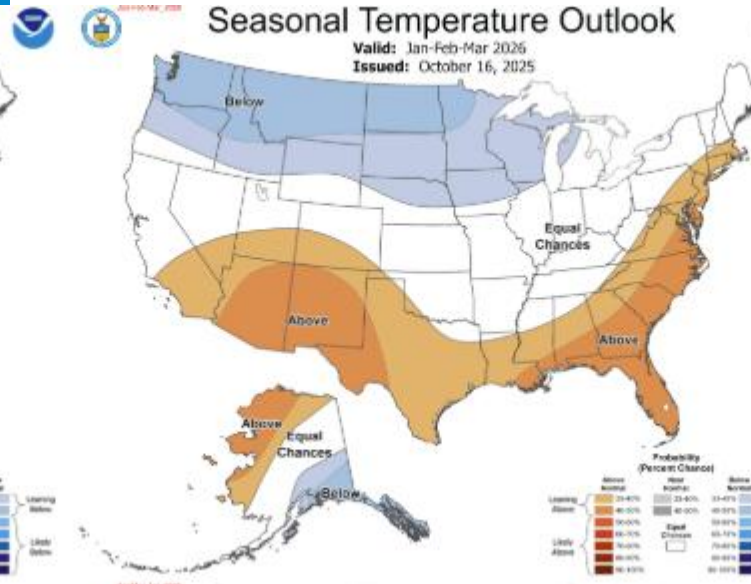
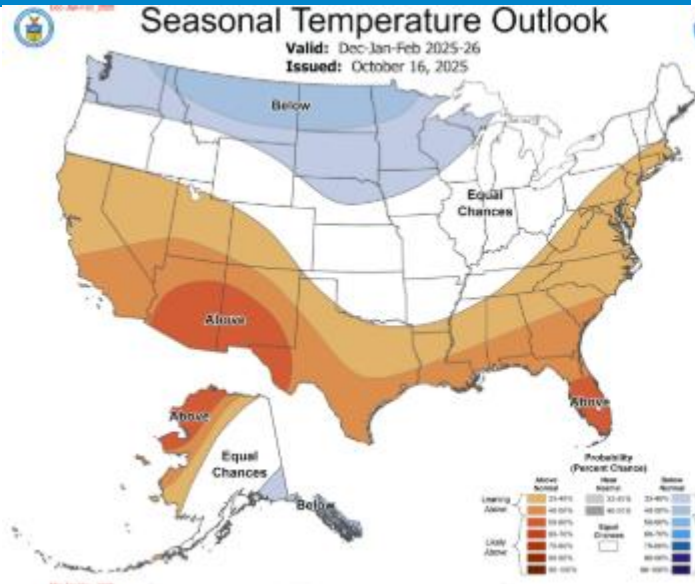
Updated: 13 November 2025

La Niña is favored to continue into the Northern Hemisphere winter, with a transition to ENSO-neutral most likely in January-March 2026 (61% chance).

Official NOAA CPC ENSO Probabilities (issued November 2025)



CPC Seasonal Outlook:



Save the Date!

**Feb 23, 2026
Oregon AMS
Chapter**

**30th
Anniversary of
the 1996 Floods**

Location: OMSI

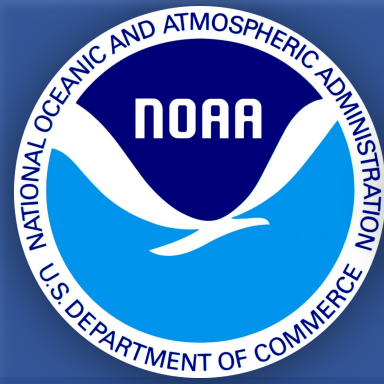
6-9 pm





Questions?

tanja.fransen@noaa.gov



NWS

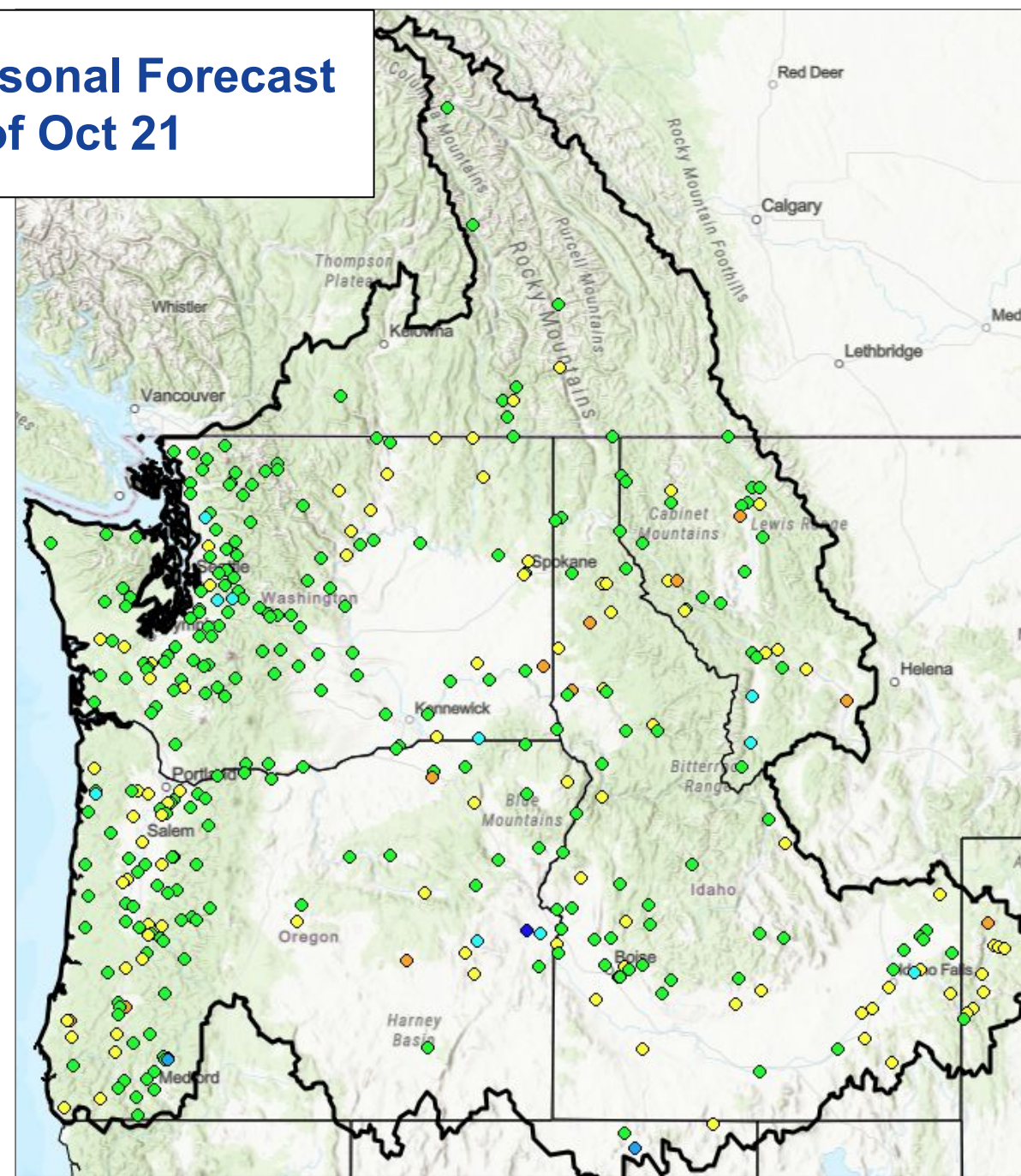
November 2025 Update for River Forecasts

Henry Pai, Sr Hydrologist - Northwest River Forecast Center

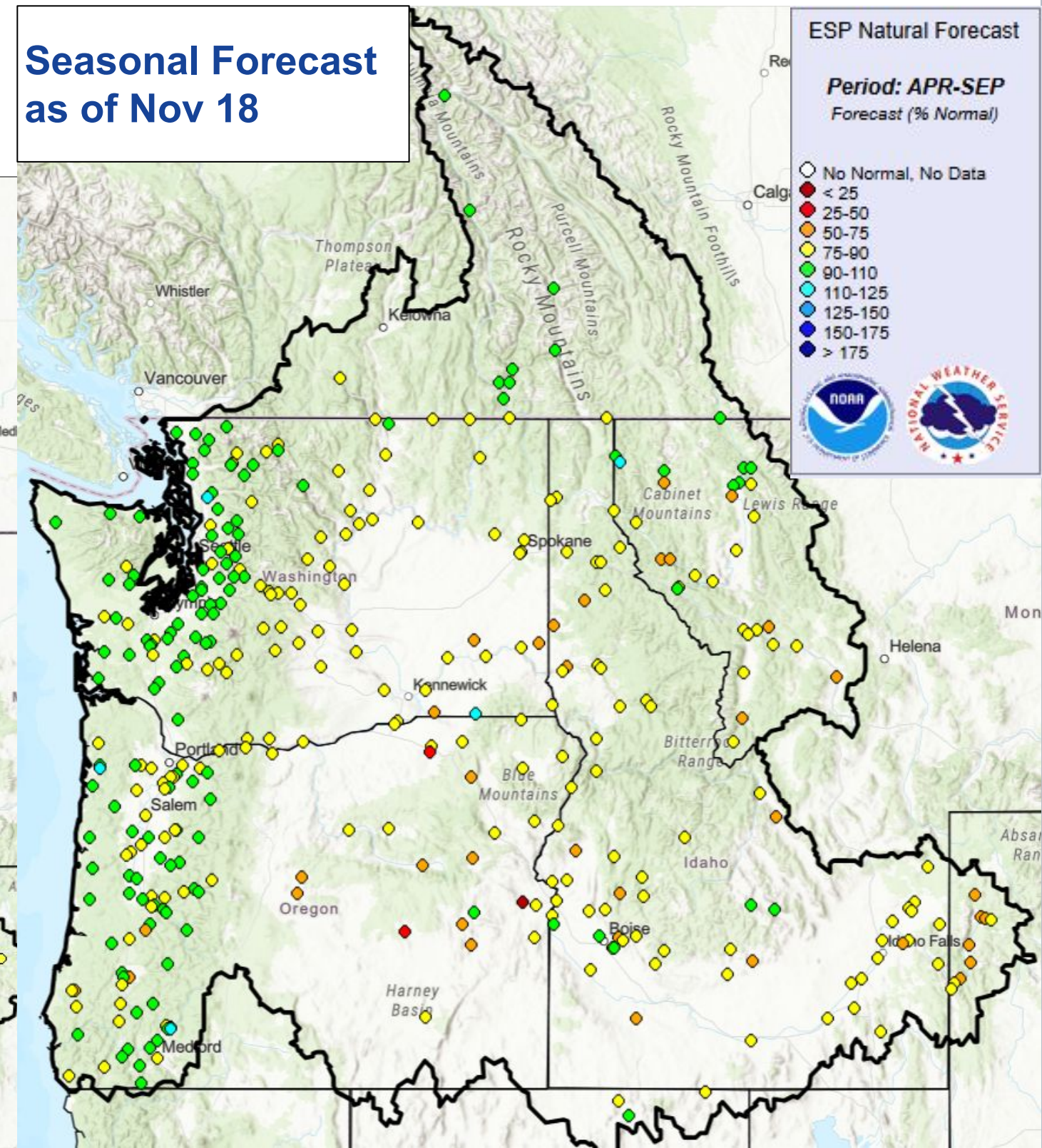
Email : NWRFC.watersupply@noaa.gov

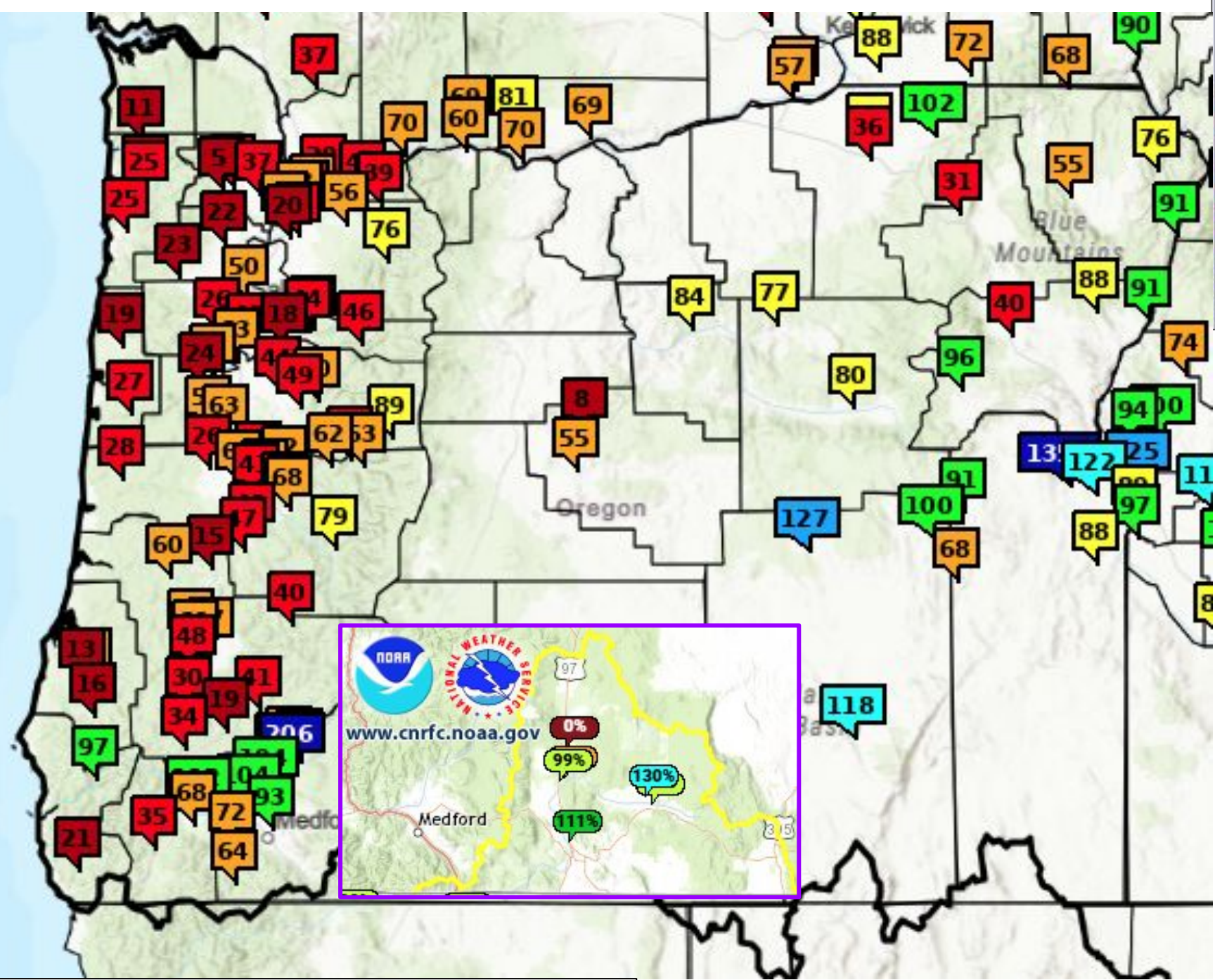
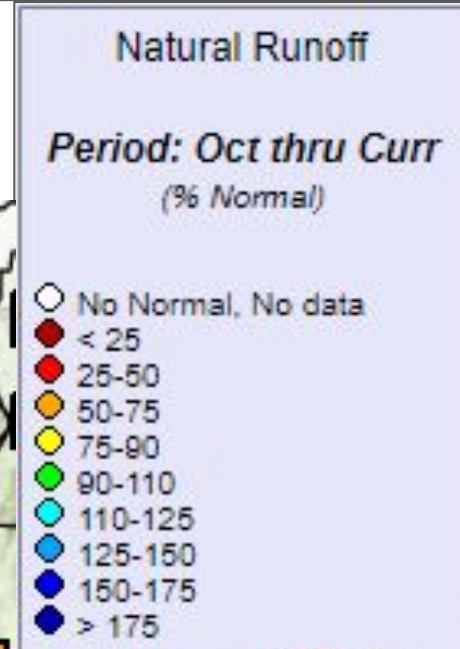
Web : nwrfc.noaa.gov

Seasonal Forecast as of Oct 21

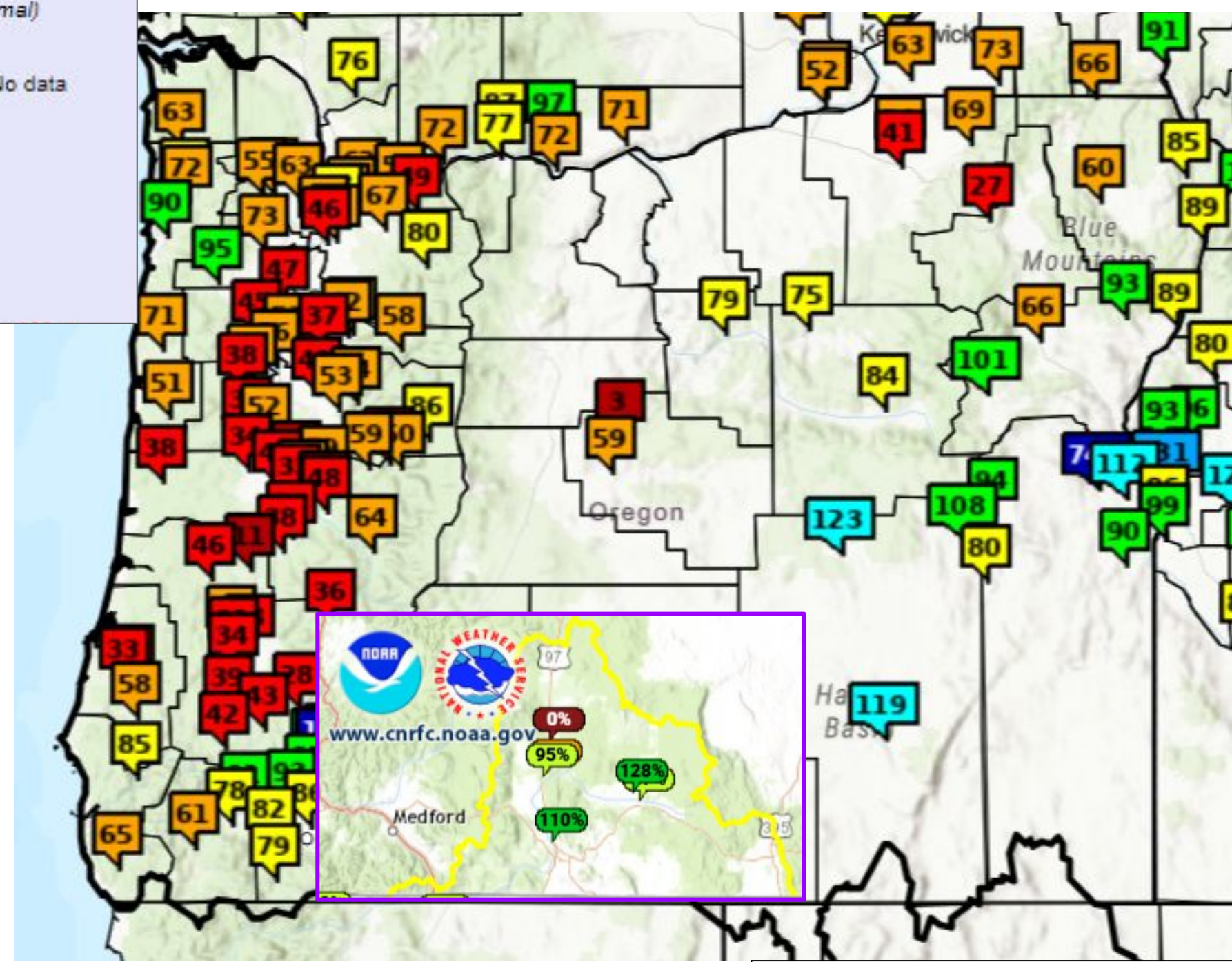


Seasonal Forecast as of Nov 18





Observed Runoff from Last Month



Recent Observed Runoff

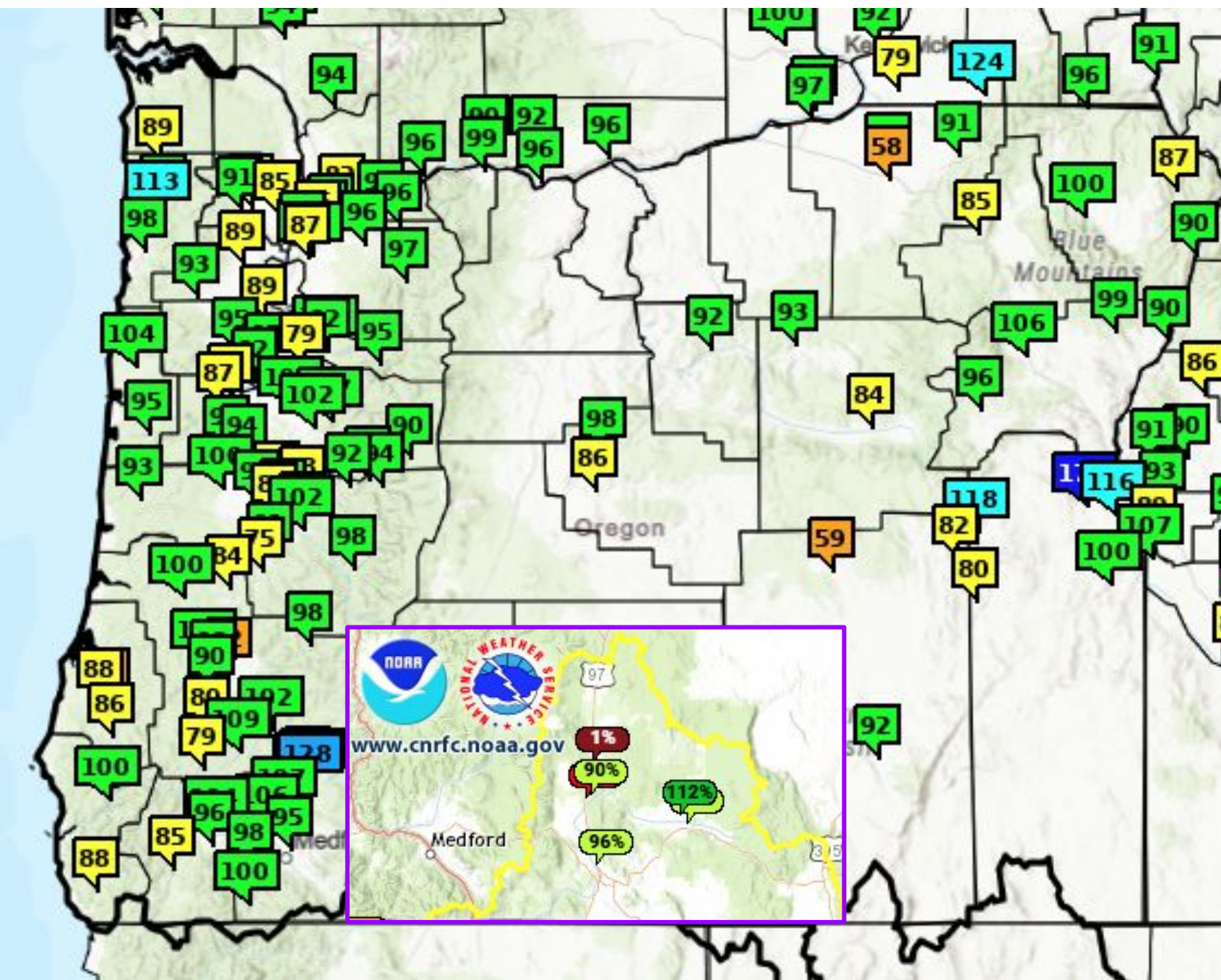
Seasonal Apr - Sep Forecasts

ESP Natural Forecast

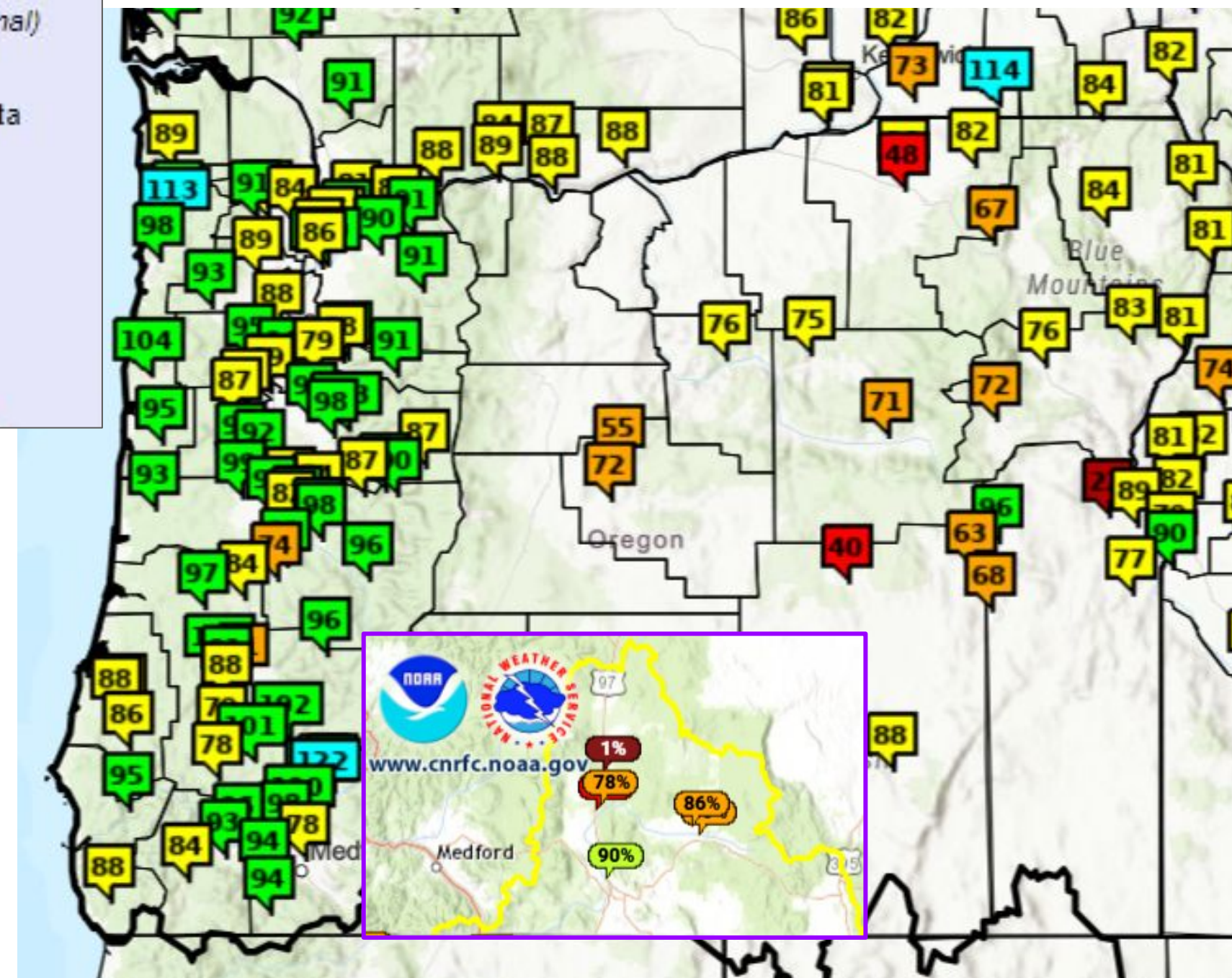
Period: APR-SEP

Forecast (% Normal)

- No Normal, No Data
- < 25
- 25-50
- 50-75
- 75-90
- 90-110
- 110-125
- 125-150
- 150-175
- > 175



Seasonal Forecast from Last Month



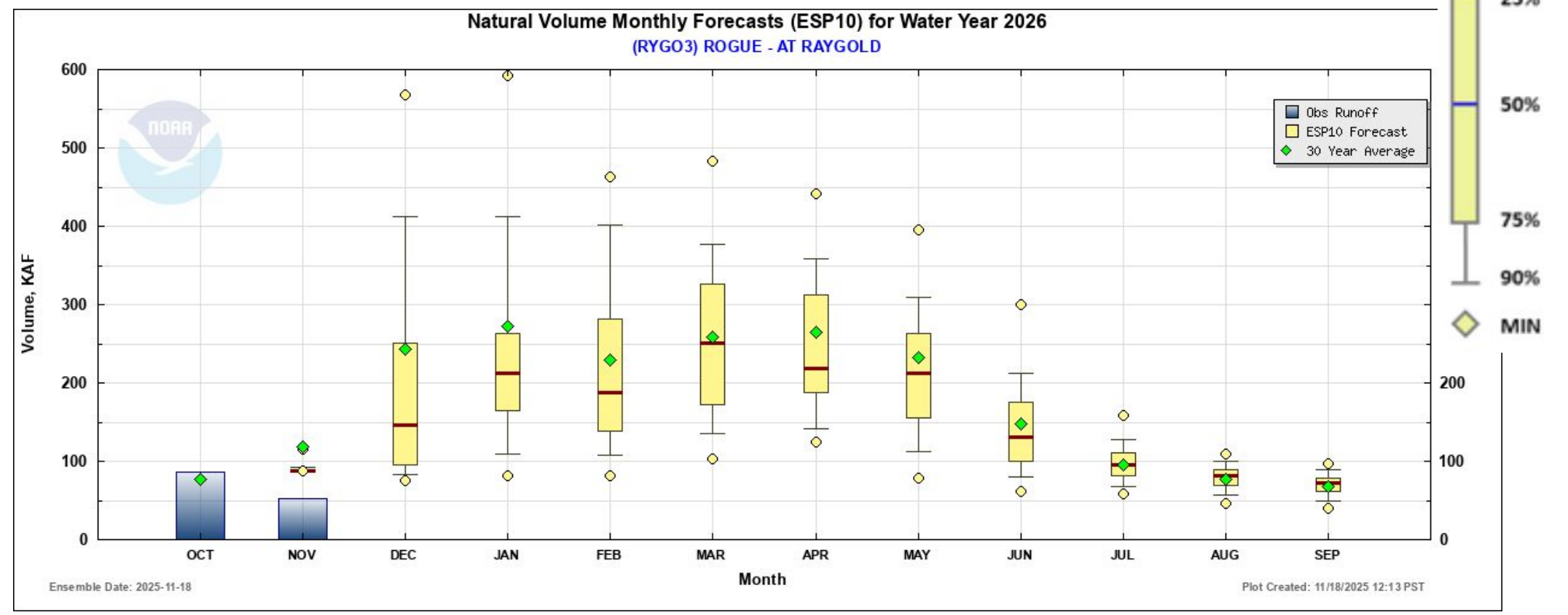
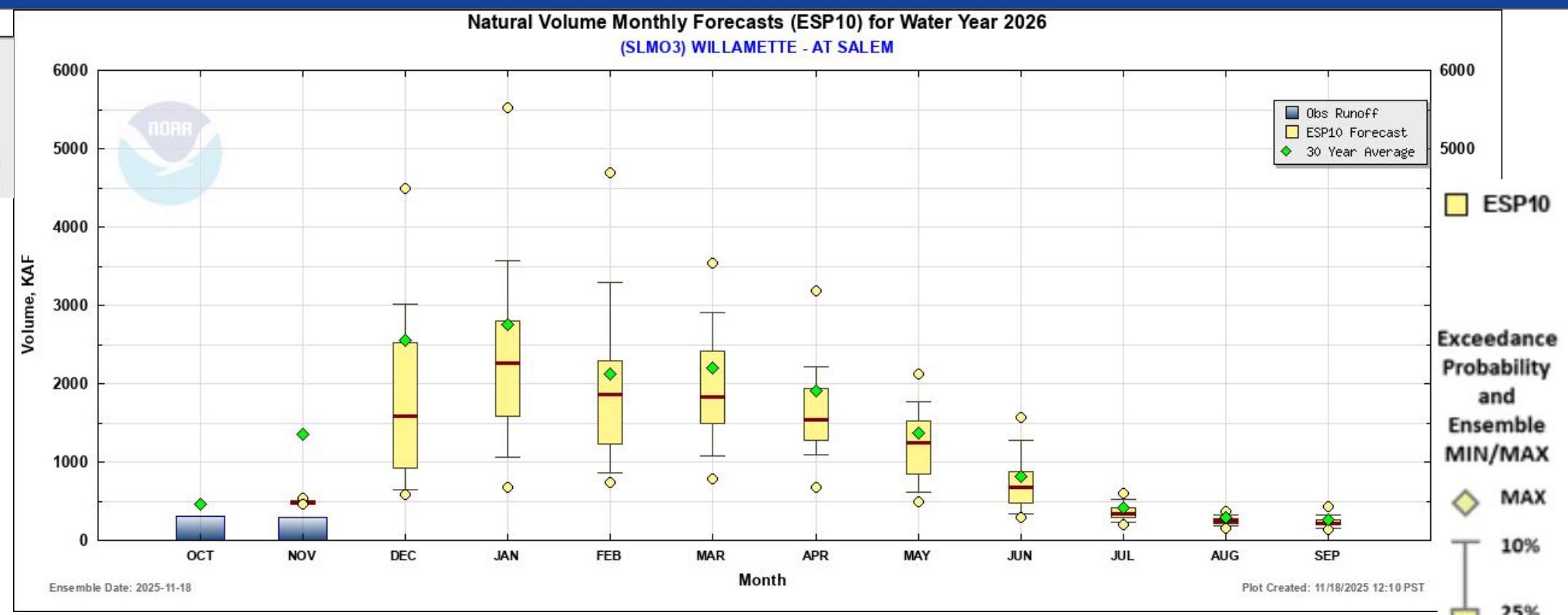
Recent Seasonal Forecast

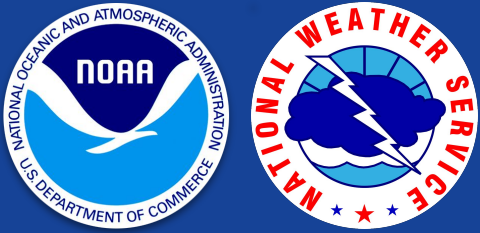


West Oregon Forecasts

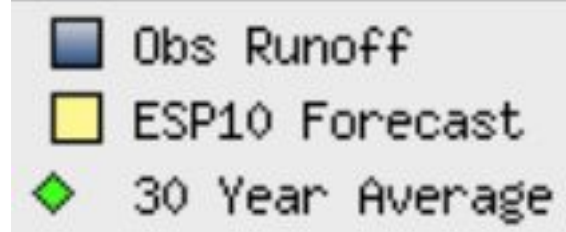
■ Obs Runoff
■ ESP10 Forecast
◆ 30 Year Average

Location ID	Period	Last Month	Recent
SLMO3	Apr - Sep	89	88
	Water Year	93	79
RYGO3	Apr - Sep	106	98
	Water Year	109	88

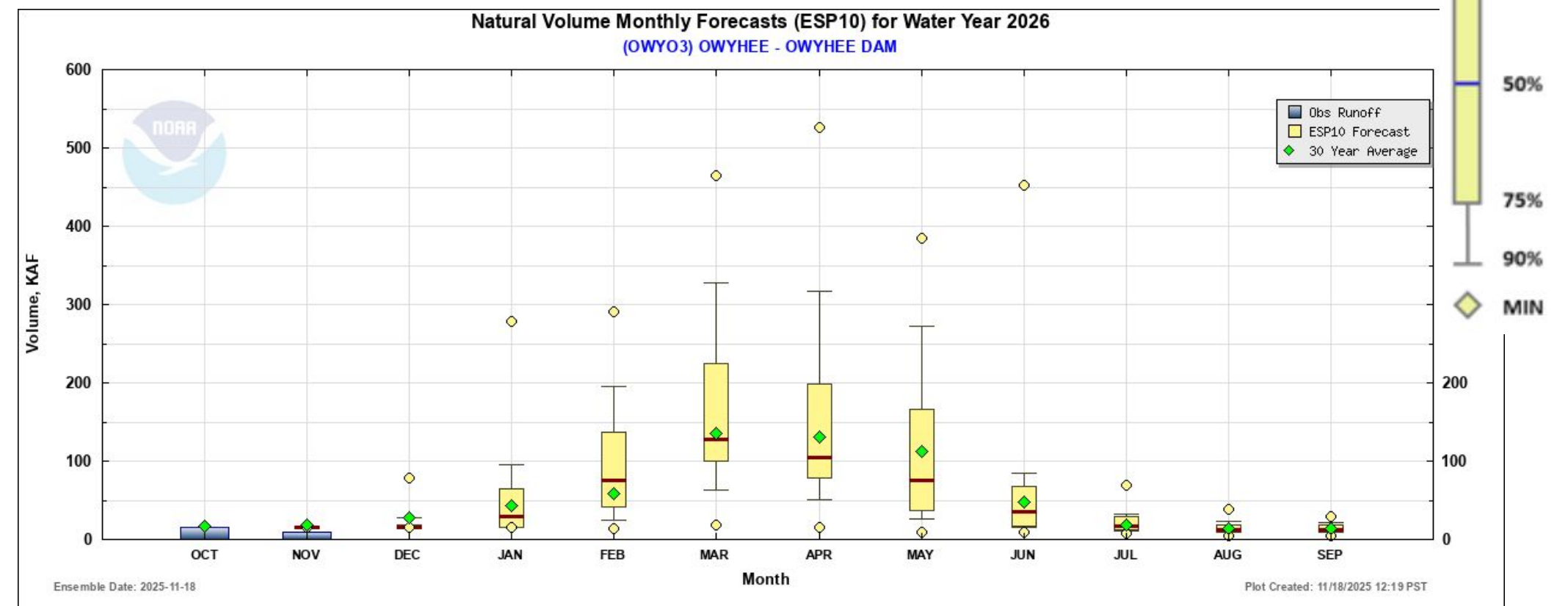
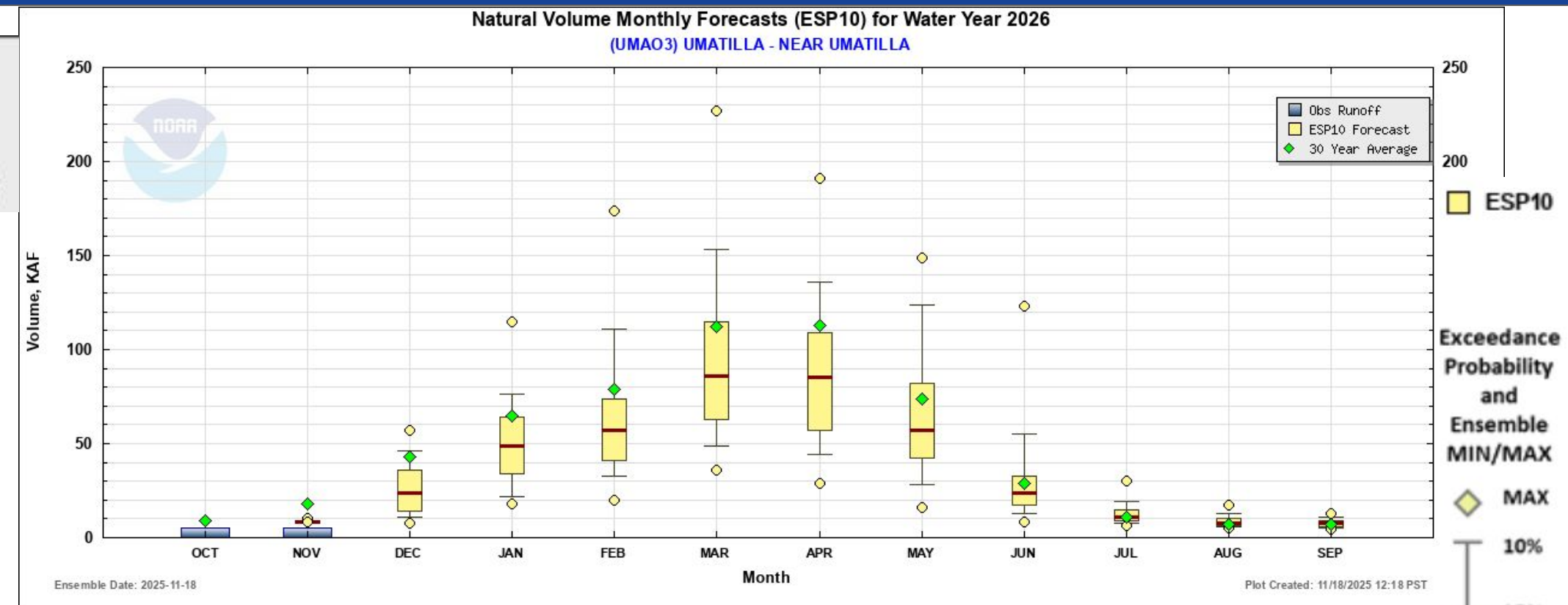




East Oregon Forecasts

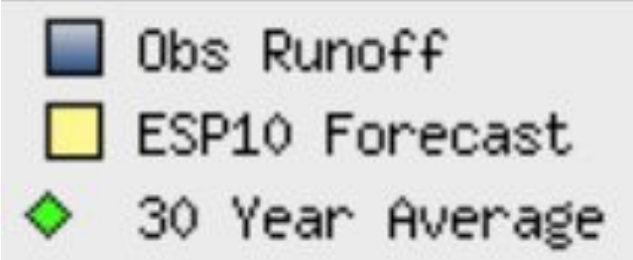


Location ID	Period	Last Month	Recent
UMAO3	Apr - Sep	97	81
	Water Year	101	76
OWYO3	Apr - Sep	100	77
	Water Year	104	91

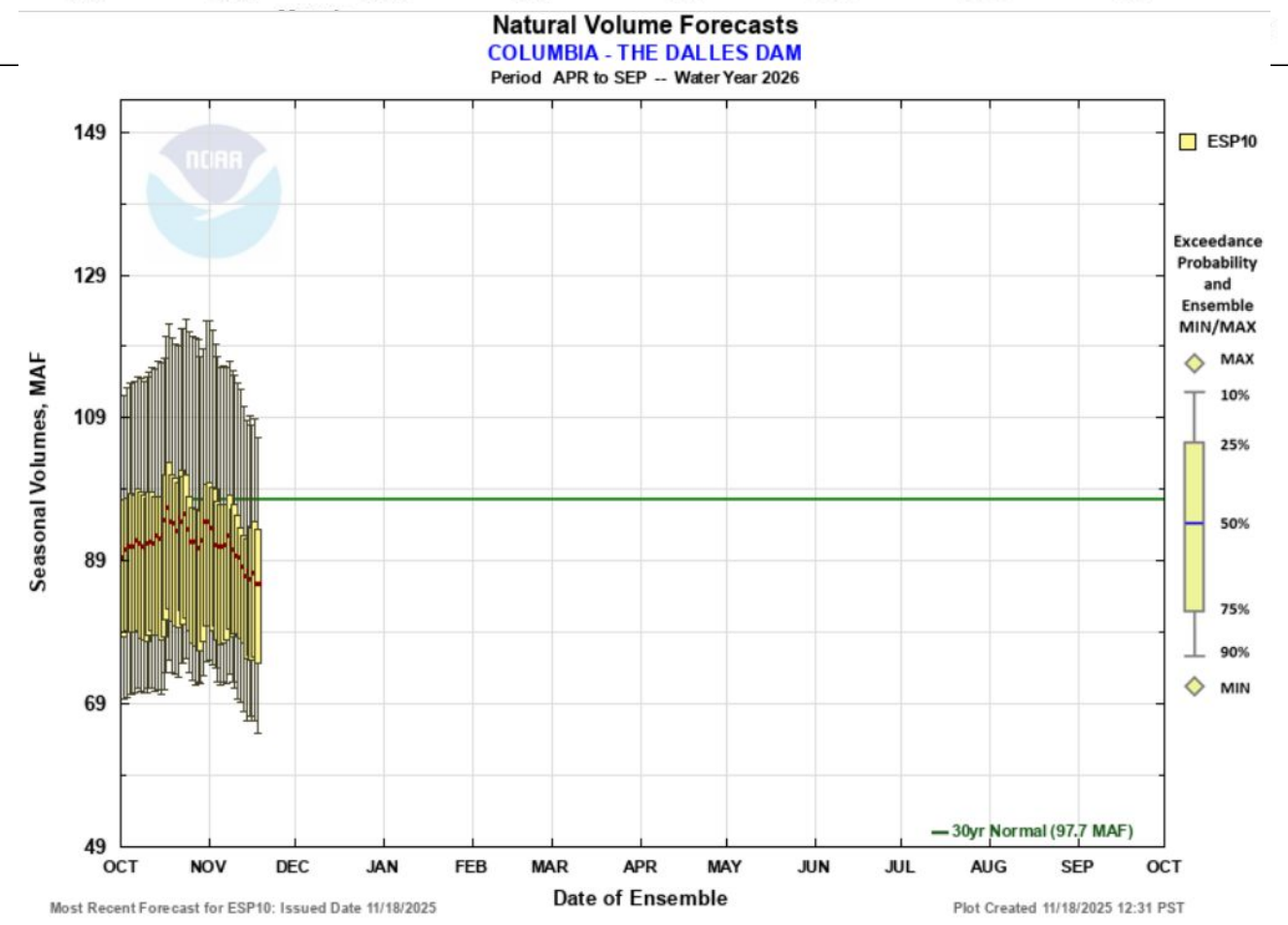
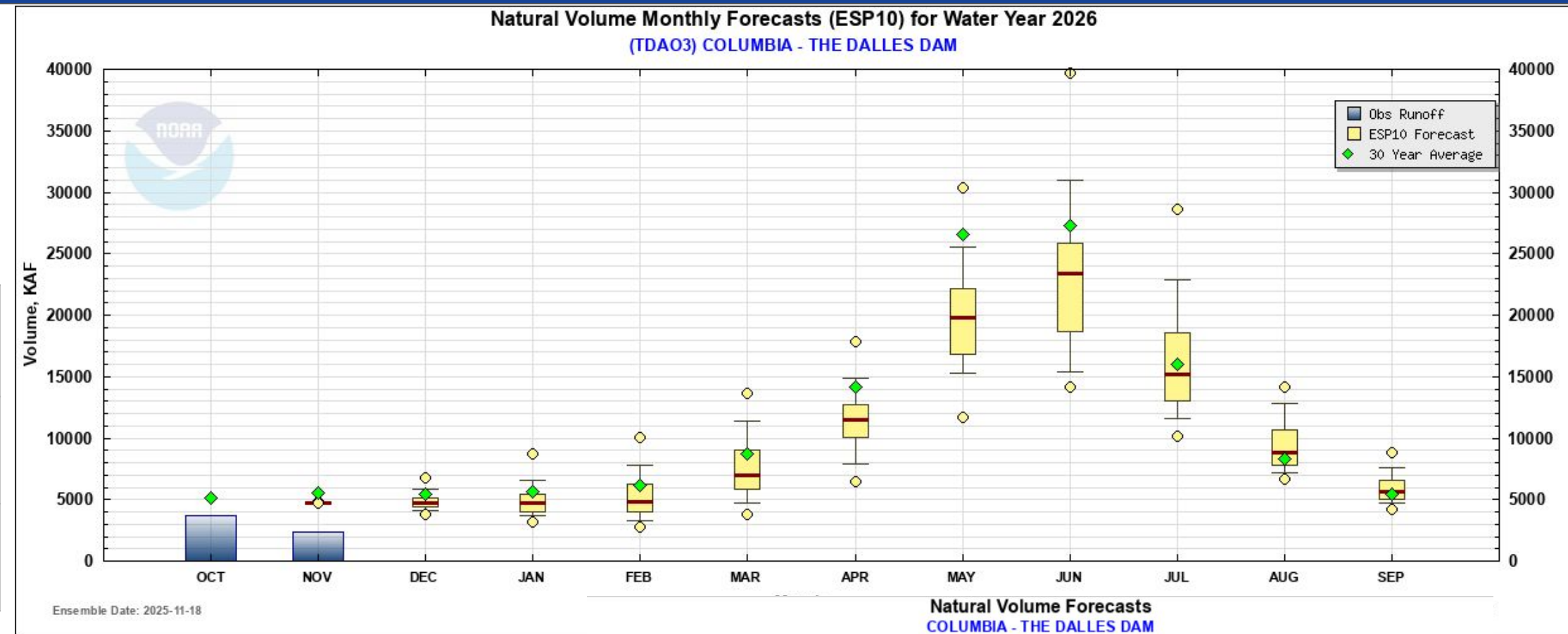




The Dalles Forecast



Location ID	Period	Last Month	Recent
TDAO3	Apr - Sep	96	88
	Water Year	99	86



https://www.nwrfc.noaa.gov/natural/plot/monthly/monthly_natural_forecasts.php?id=<lid>

https://www.nwrfc.noaa.gov/natural/plot/nat_forecasts.php?id=tdao3

Max Scale
 Scale To Data
 Scale To Last 45 Days
 Show Min/Max Ensemble Volume
 Show Tooltips Help



Northwest River Forecast Center News

2026 Schedule for <i>Live Water Supply Briefings</i>					
Jan	Feb	Mar	Apr	May	Jun
8	5	5	2	7	<i>TBD</i>
<i>All presentations held at 10:00am PT, unless noted otherwise</i>					
<i>Registration information will be available soon.</i>					



nwrfc.watersupply@noaa.gov



(503) 326-7291



nwrfc.noaa.gov

Oregon Water Supply Availability Meeting

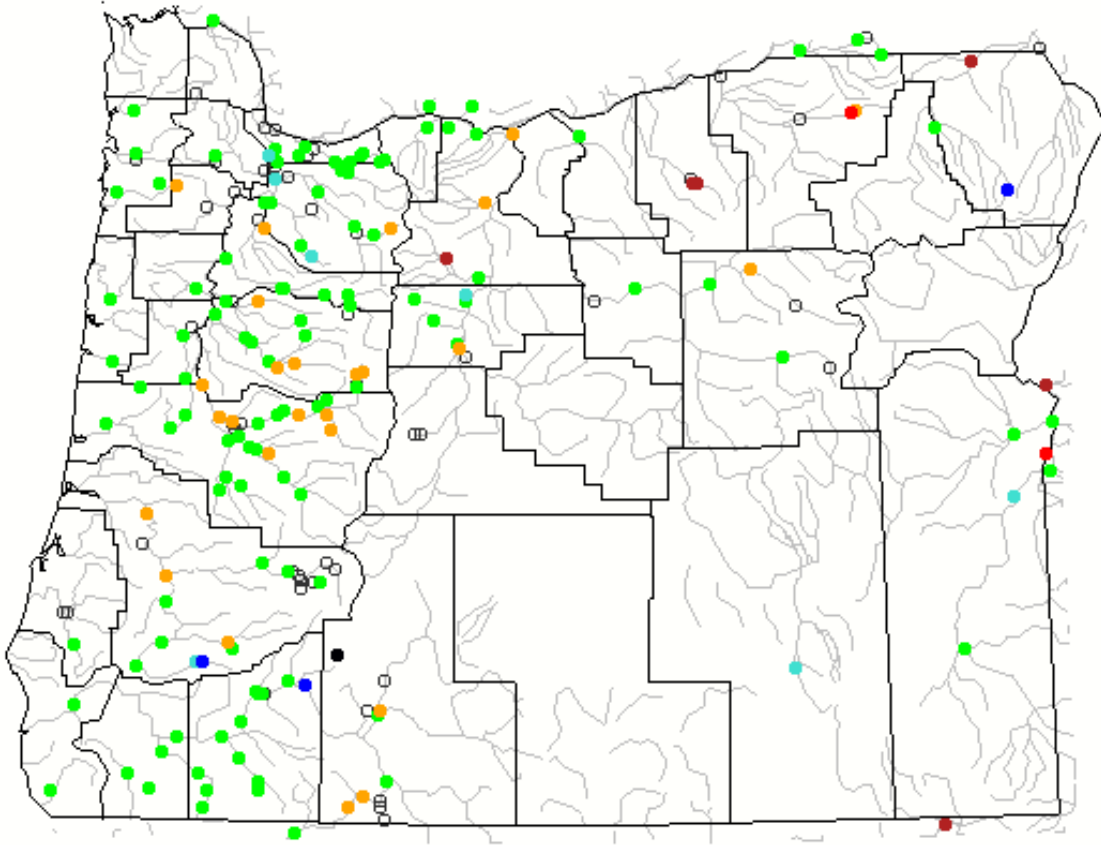
November 2025



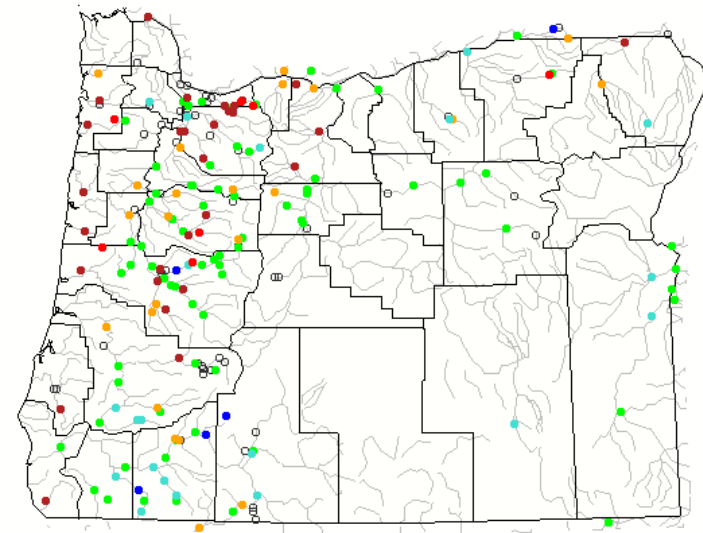
Streamflow Conditions

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

Monday, November 17, 2025



Monday, September 15, 2025



Explanation - Percentile classes

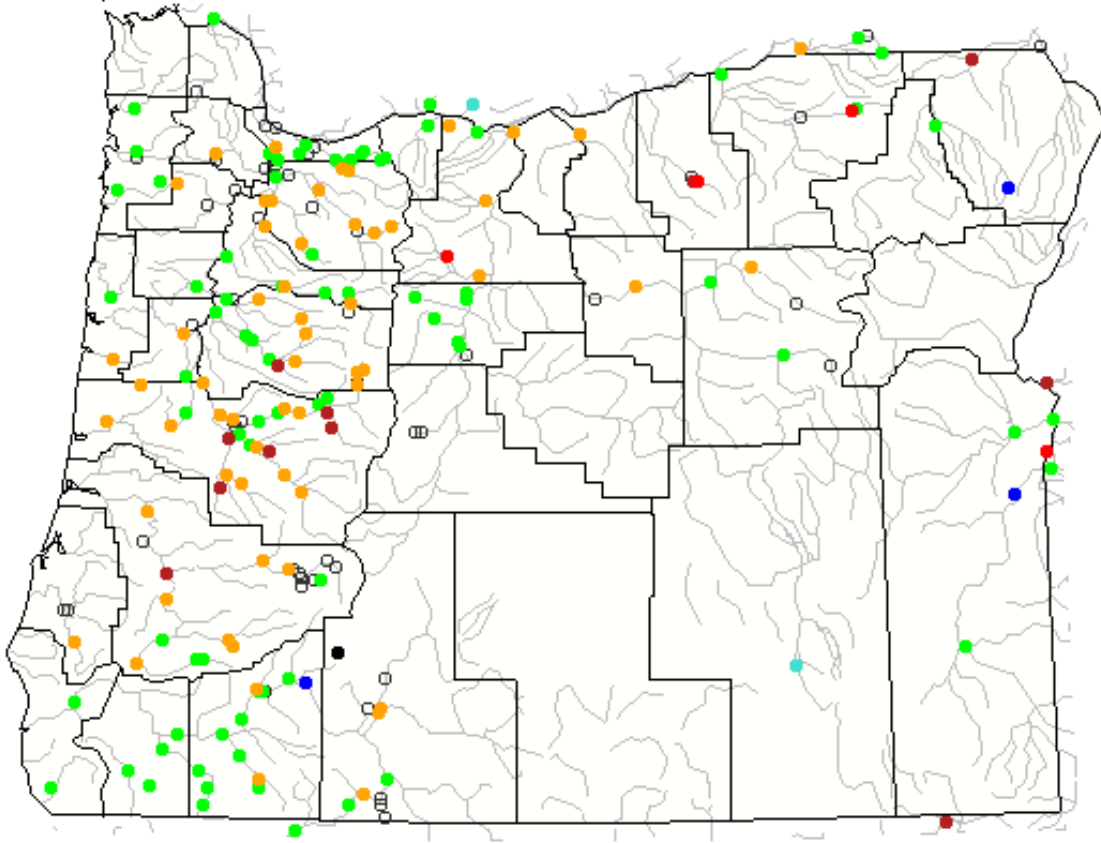
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		



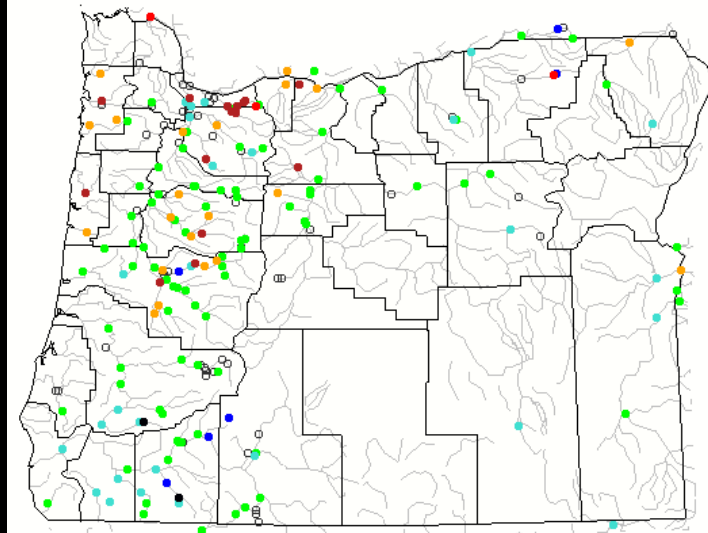
Streamflow Conditions

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

Monday, November 17, 2025



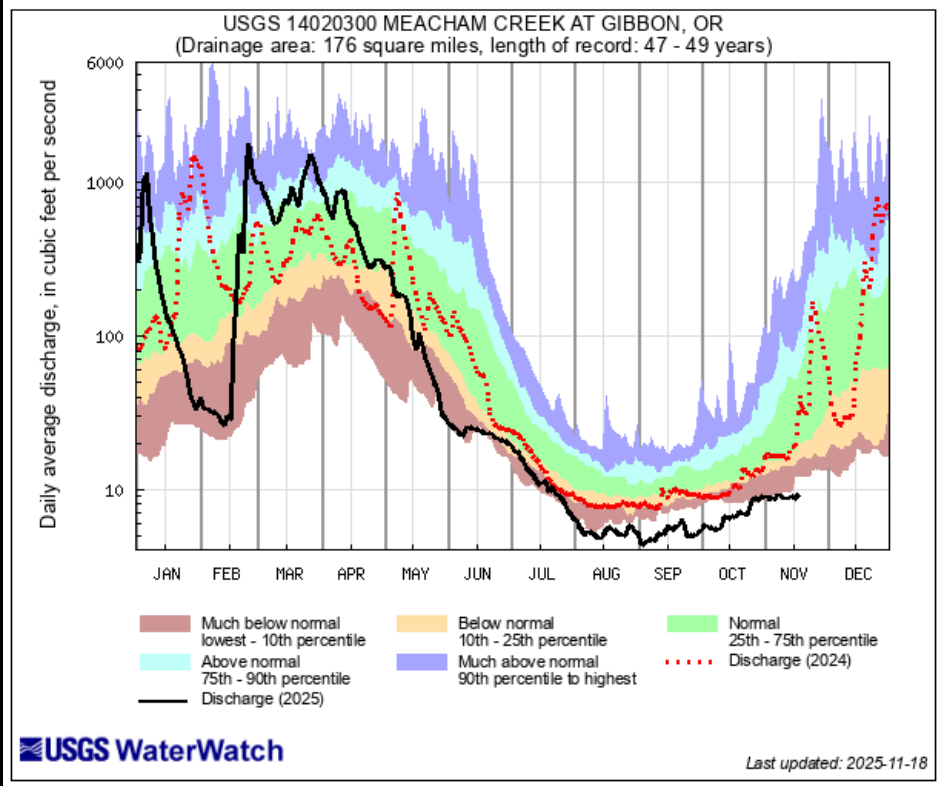
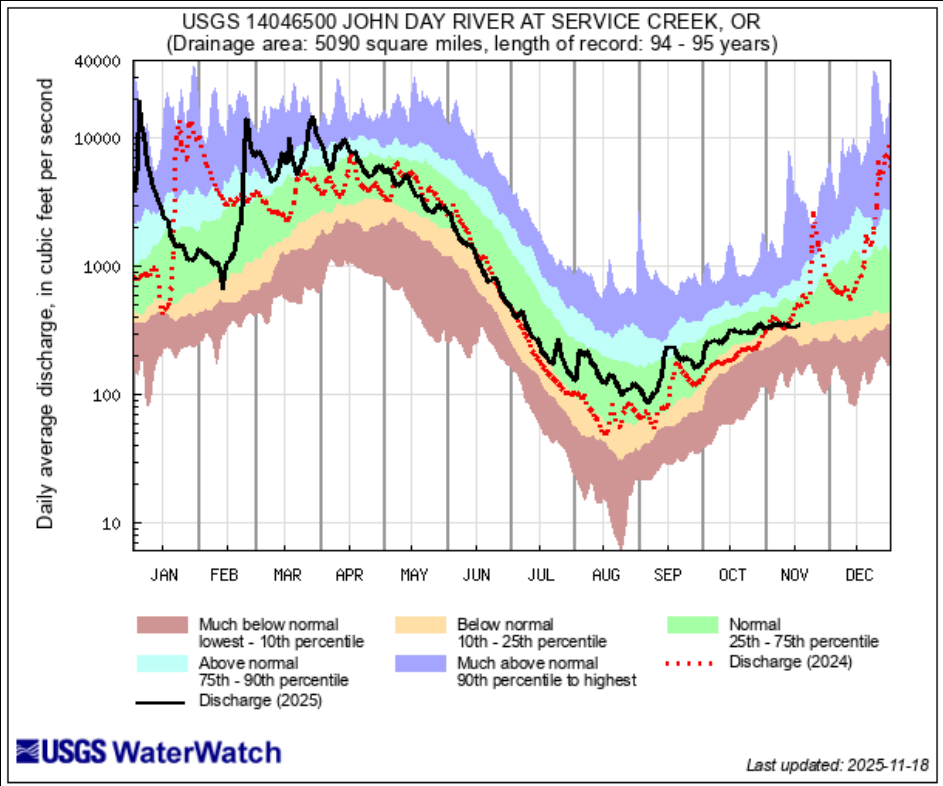
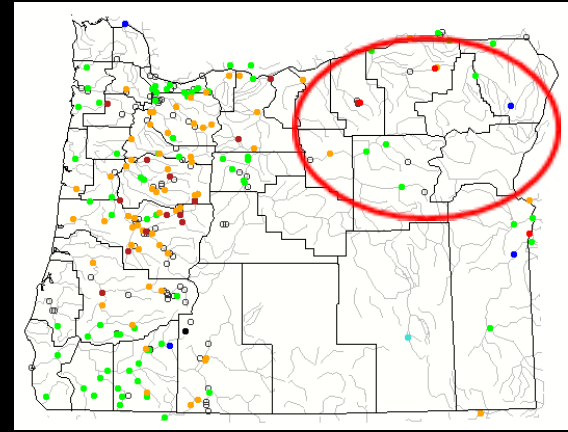
Monday, September 15, 2025



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

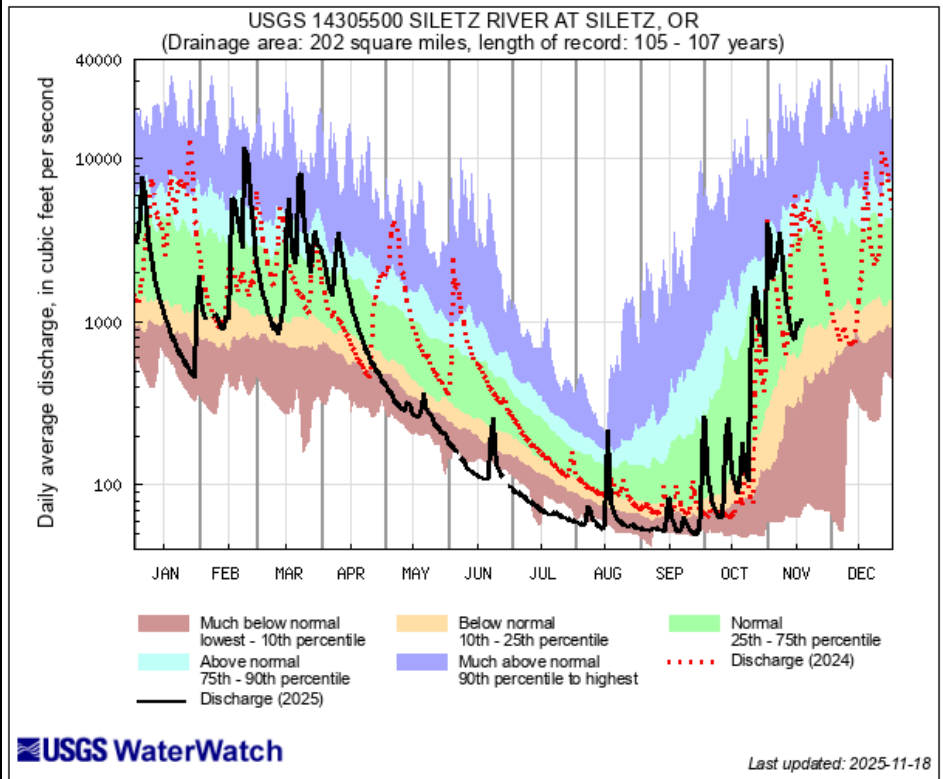
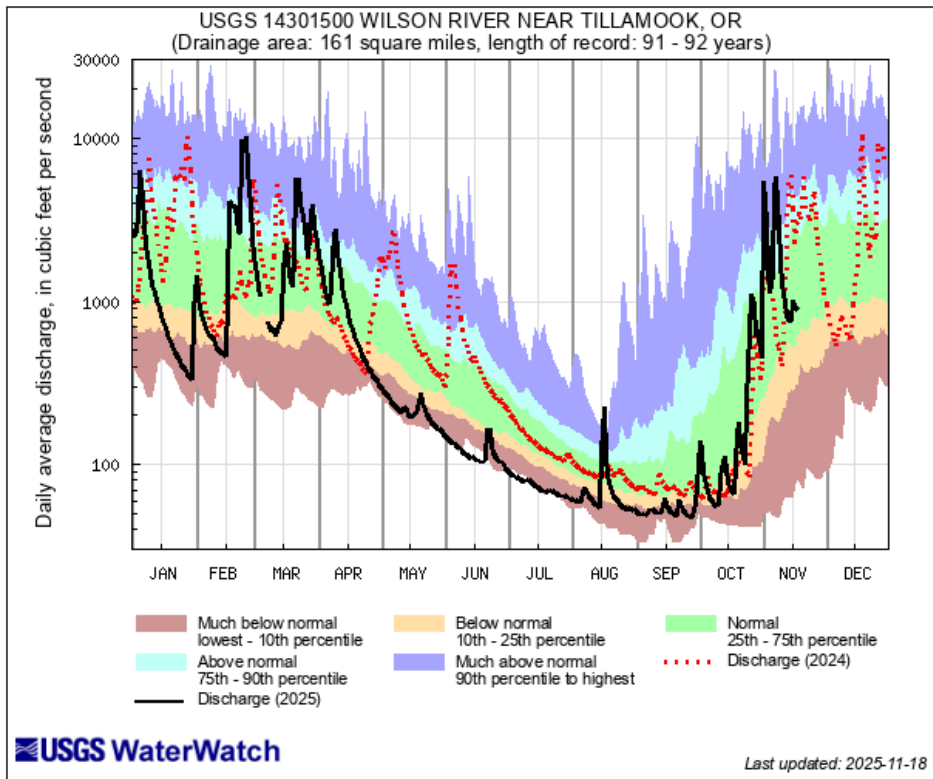
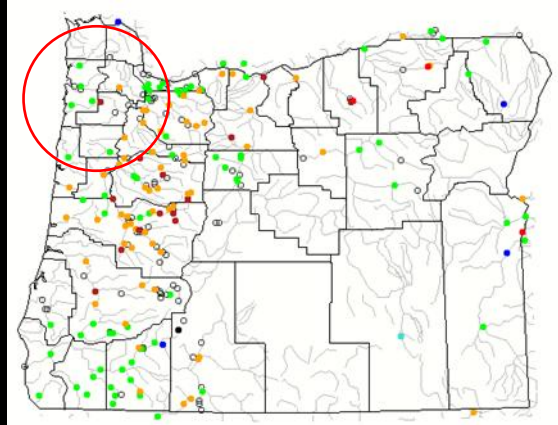


Explanation - Percentile classes

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

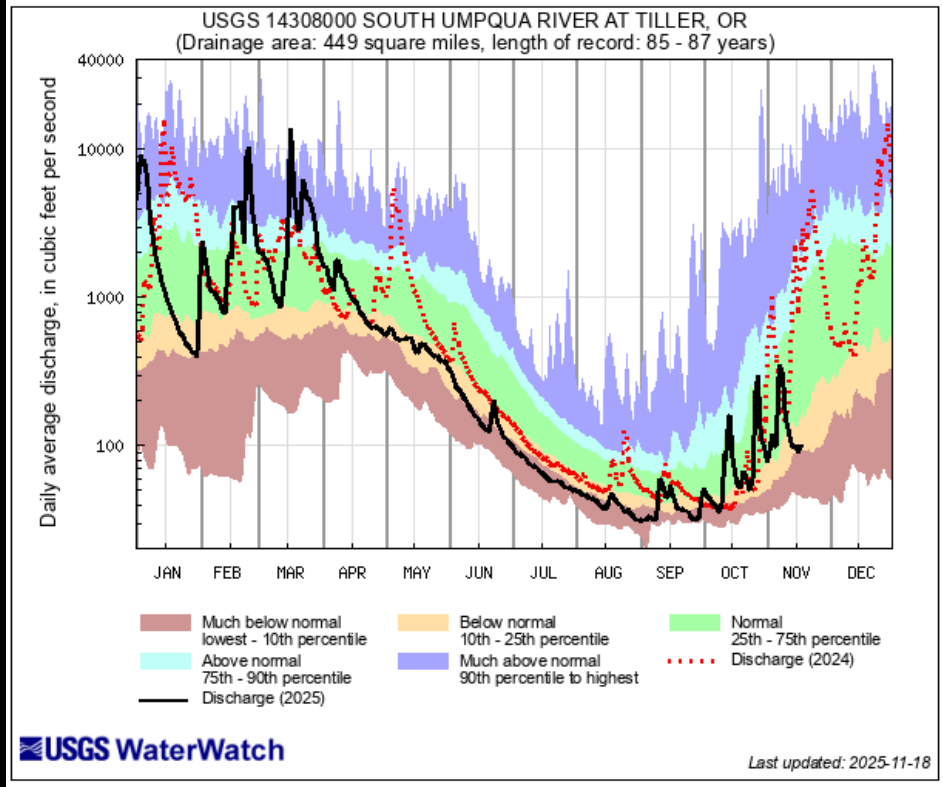
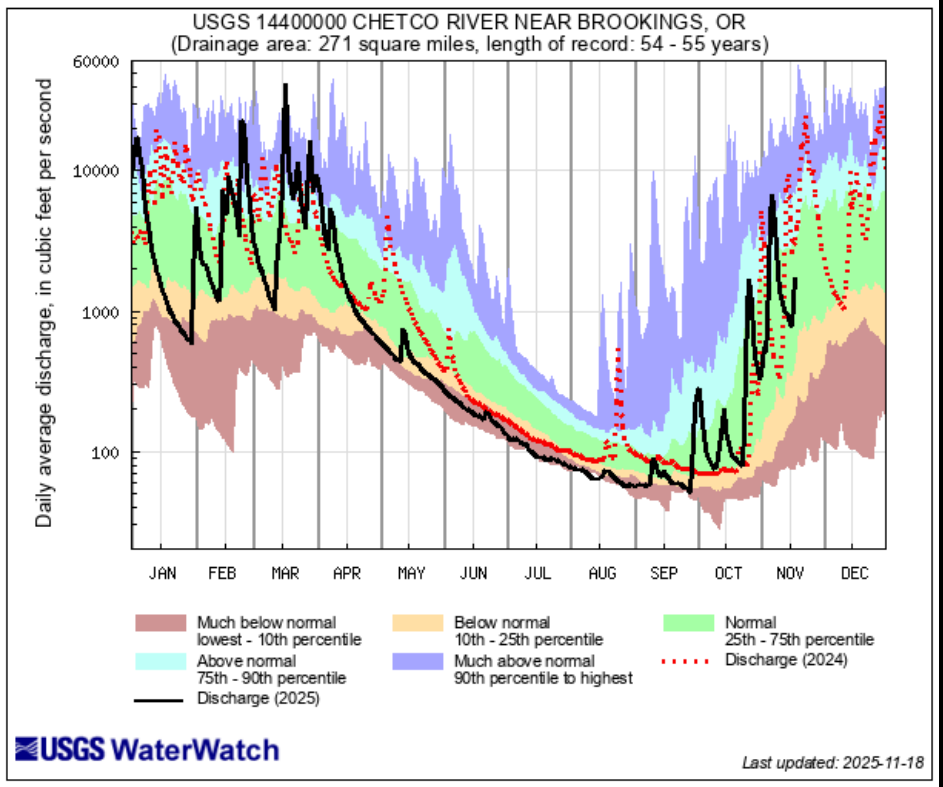
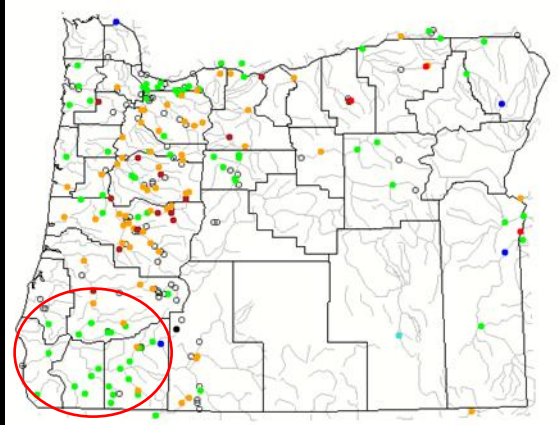


Explanation - Percentile classes

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

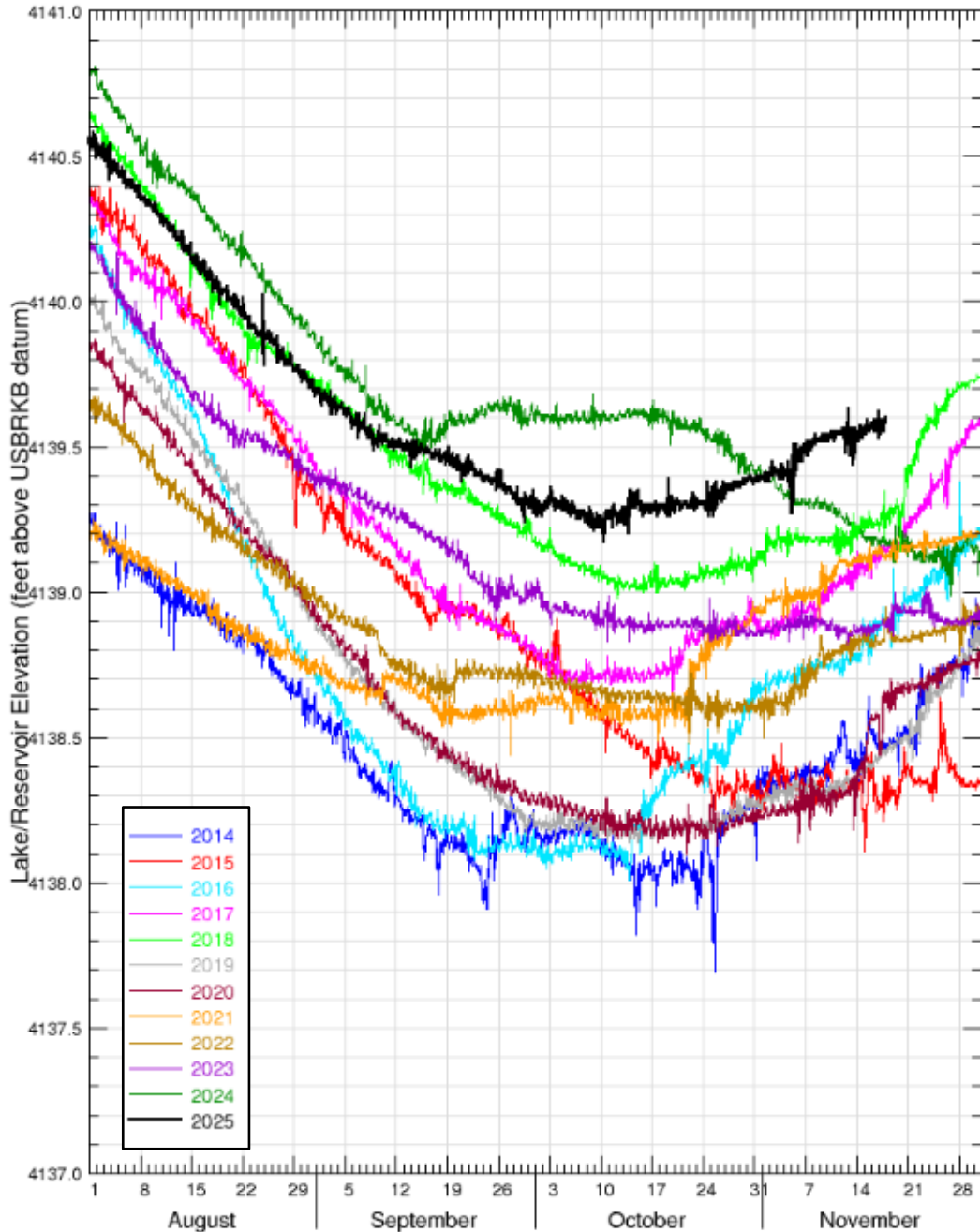


Explanation - Percentile classes					
lowest-10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

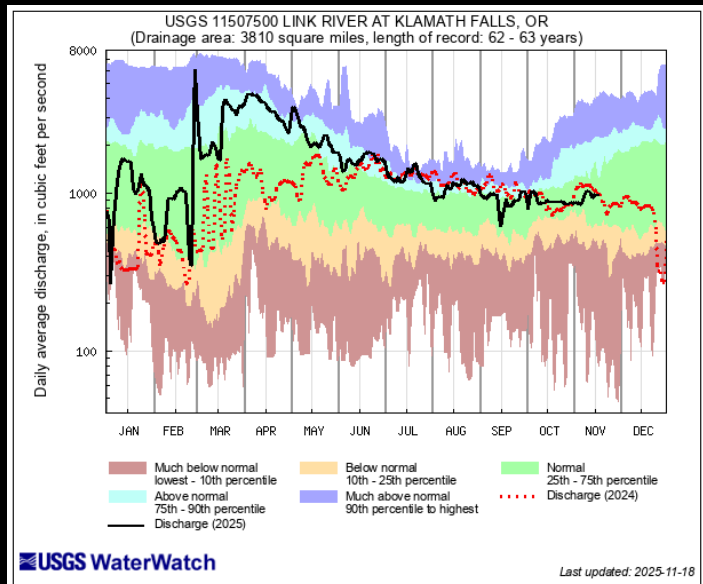
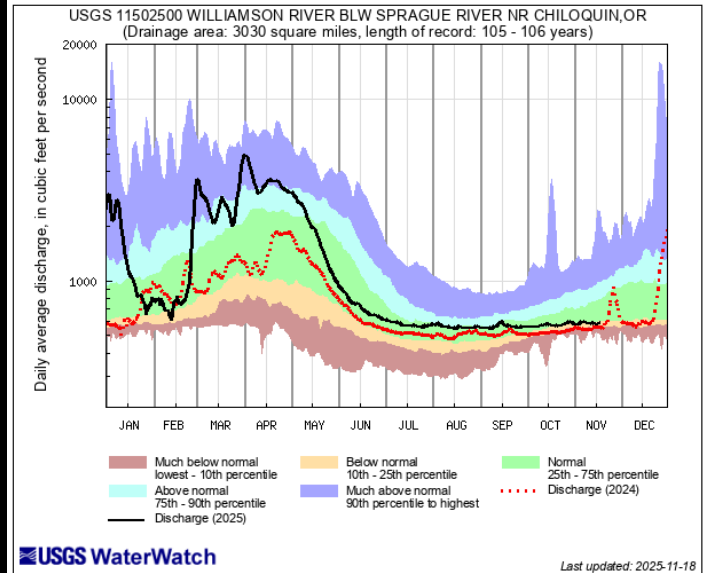


Upper Klamath Lake nr Klamath Falls, OR [weighted/mean] (11507001)

Data from U.S. Geological Survey

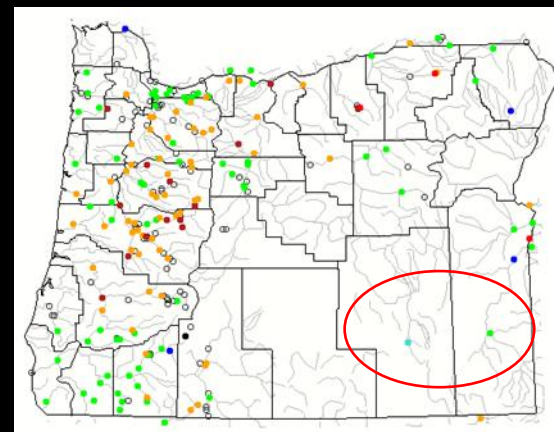


Klamath

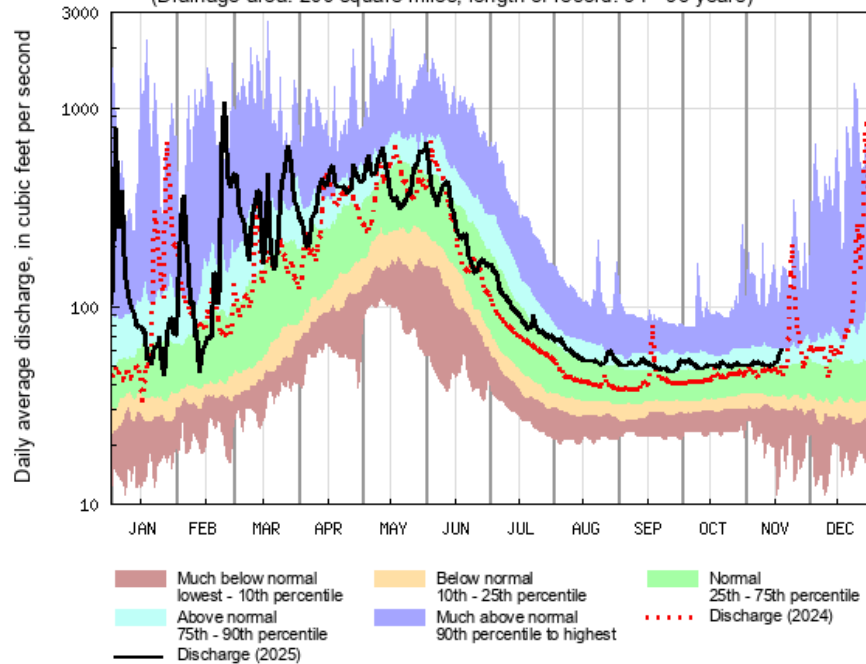


Explanation - Percentile classes					
lowest-10th percentile	10-24	25-75	76-90	90th percentile-highest	Flow
Much below normal	Below normal	Normal	Above normal	Much above normal	

Southeastern OR



USGS 10396000 DONNER UND BLITZEN RIVER NR FRENCHGLEN OR
(Drainage area: 200 square miles, length of record: 94 - 96 years)

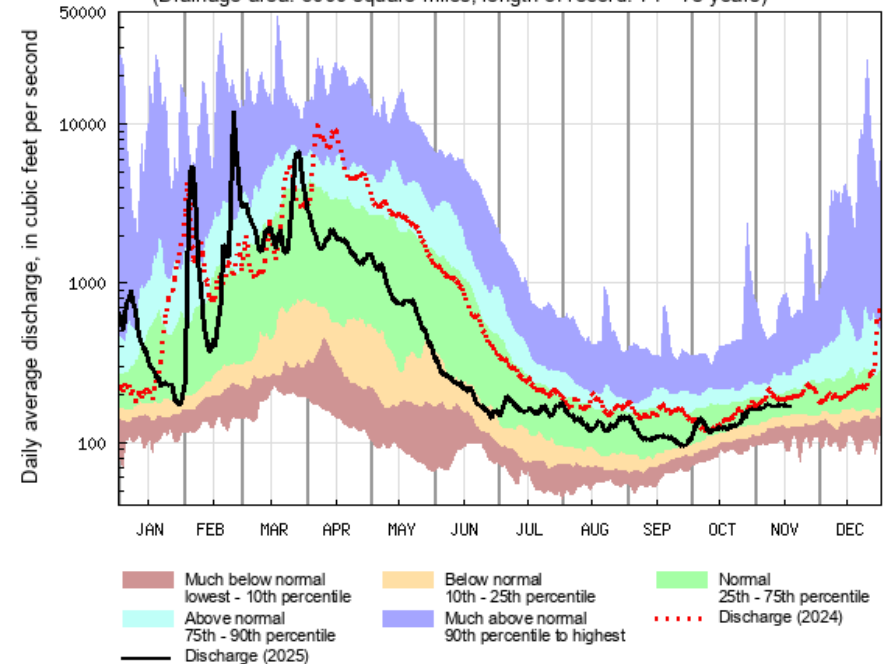


Much below normal lowest - 10th percentile
 Below normal 10th - 25th percentile
 Normal 25th - 75th percentile
 Above normal 75th - 90th percentile
 Much above normal 90th percentile to highest
 Discharge (2024)
 Discharge (2025)

USGS WaterWatch

Last updated: 2025-11-18

USGS 13181000 OWYHEE RIVER NR ROME OR
(Drainage area: 8000 square miles, length of record: 74 - 75 years)



Much below normal lowest - 10th percentile
 Below normal 10th - 25th percentile
 Normal 25th - 75th percentile
 Above normal 75th - 90th percentile
 Much above normal 90th percentile to highest
 Discharge (2024)
 Discharge (2025)

USGS WaterWatch

Last updated: 2025-11-18

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	



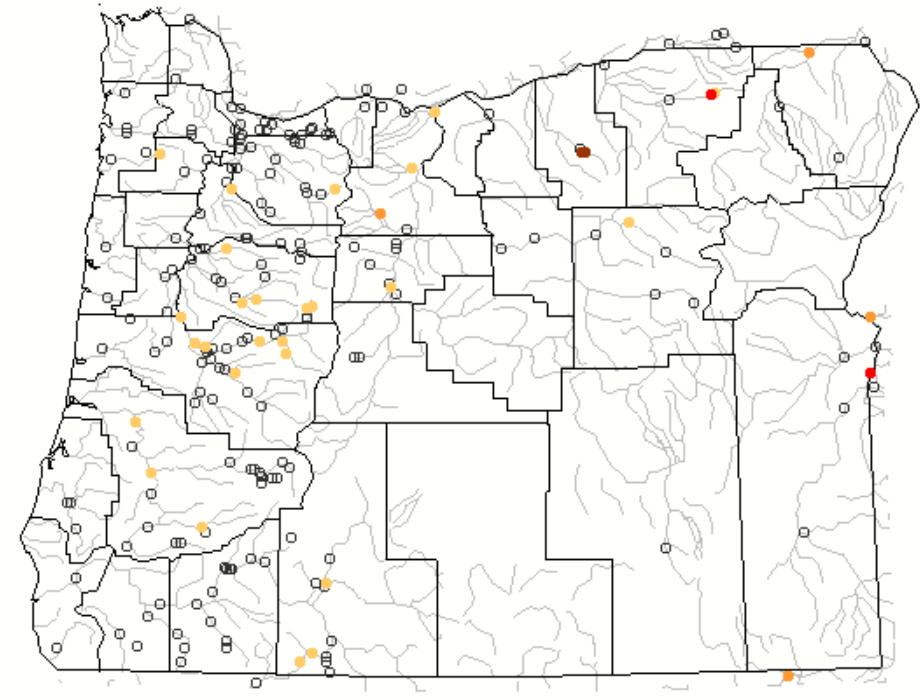
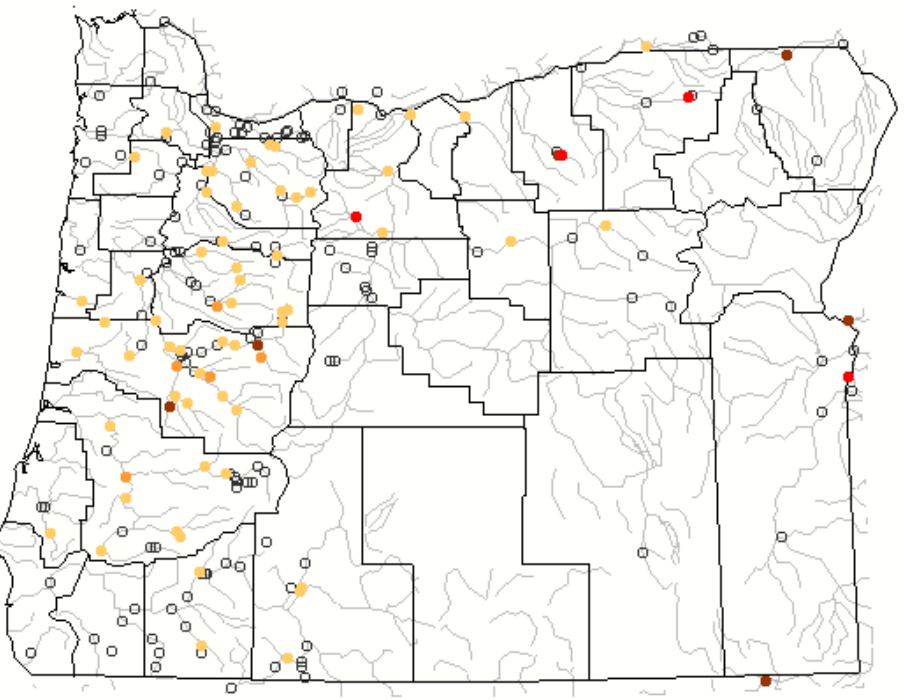
Maps of below normal streamflow compared to historical streamflow

7-day Average

28-day average

Monday, November 17, 2025

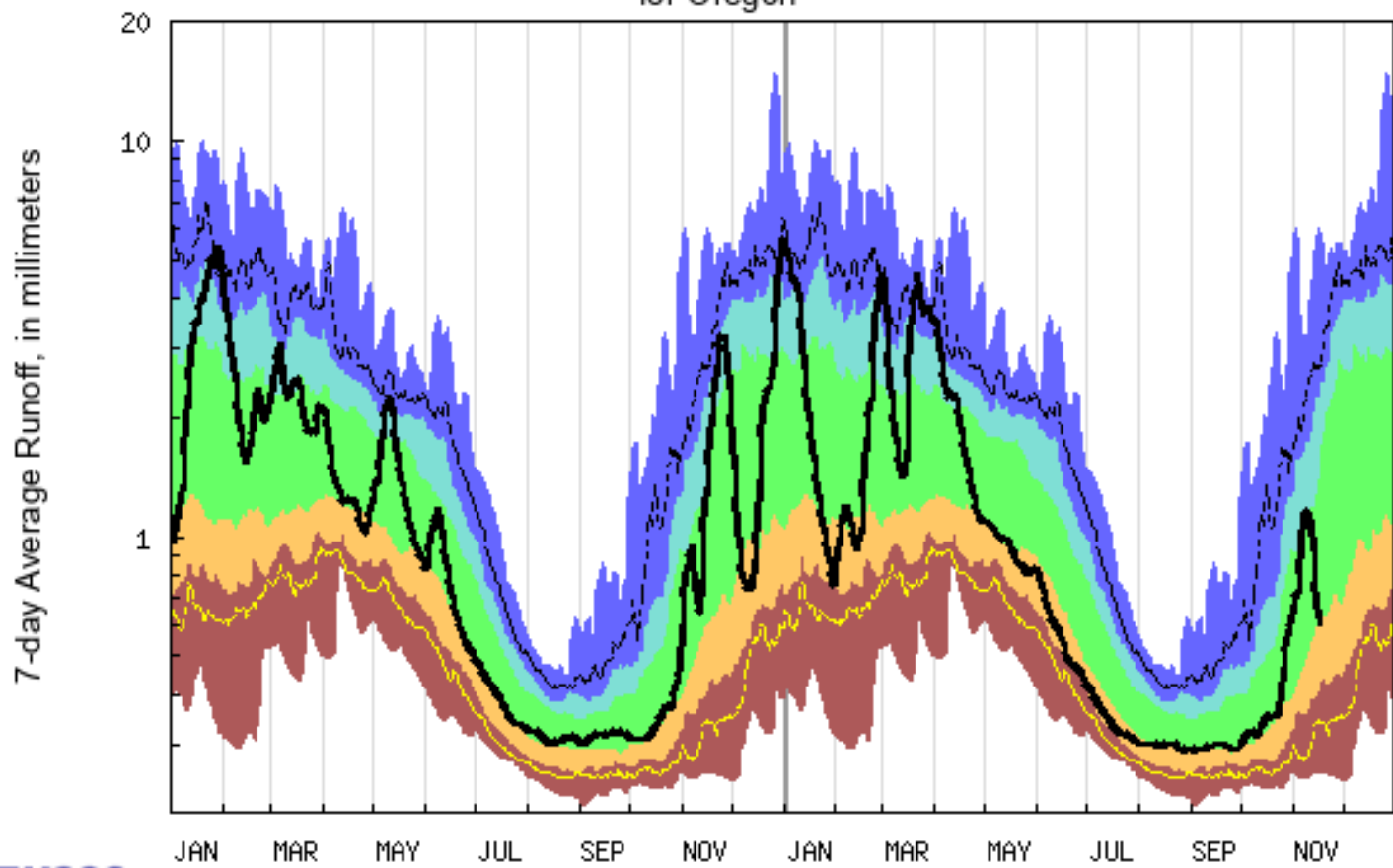
Monday, November 17, 2025



Explanation - Percentile classes				
●	●	●	●	○
New low	≤5	6-9	10-24	Not ranked
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	



Duration hydrograph of 7-day average runoff for Oregon



USGS WaterWatch

JAN 2024 MAR 2024 MAY 2024 JUL 2024 SEP 2024 NOV 2024 JAN 2025 MAR 2025 MAY 2025 JUL 2025 SEP 2025 NOV 2025

Last updated: 2025-11-18

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

Cameron Greenwood
November 19, 2025

October % of Average Streamflow - WY 2026

POR: 1991-2020

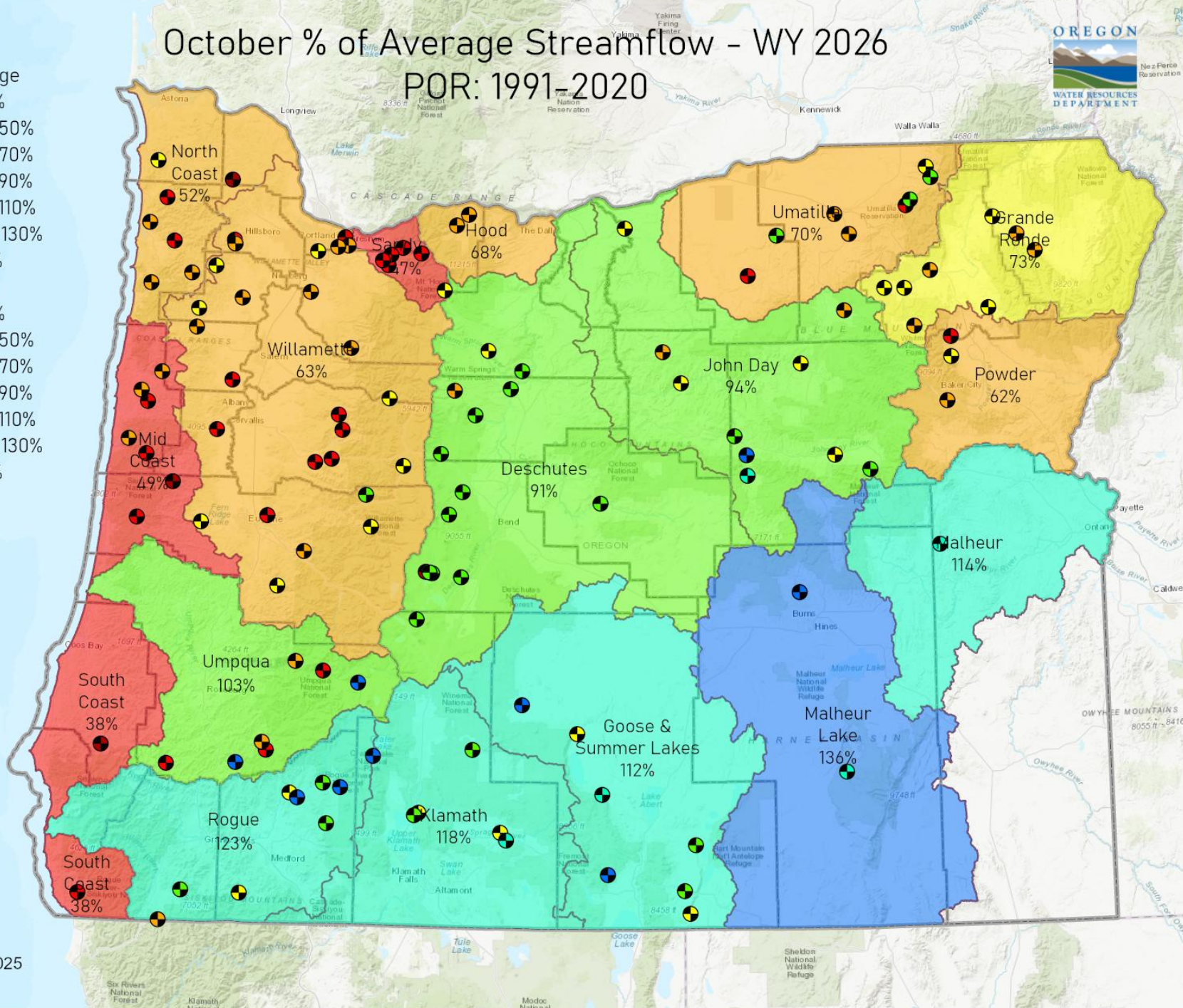


Stream Gage

- <= 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%



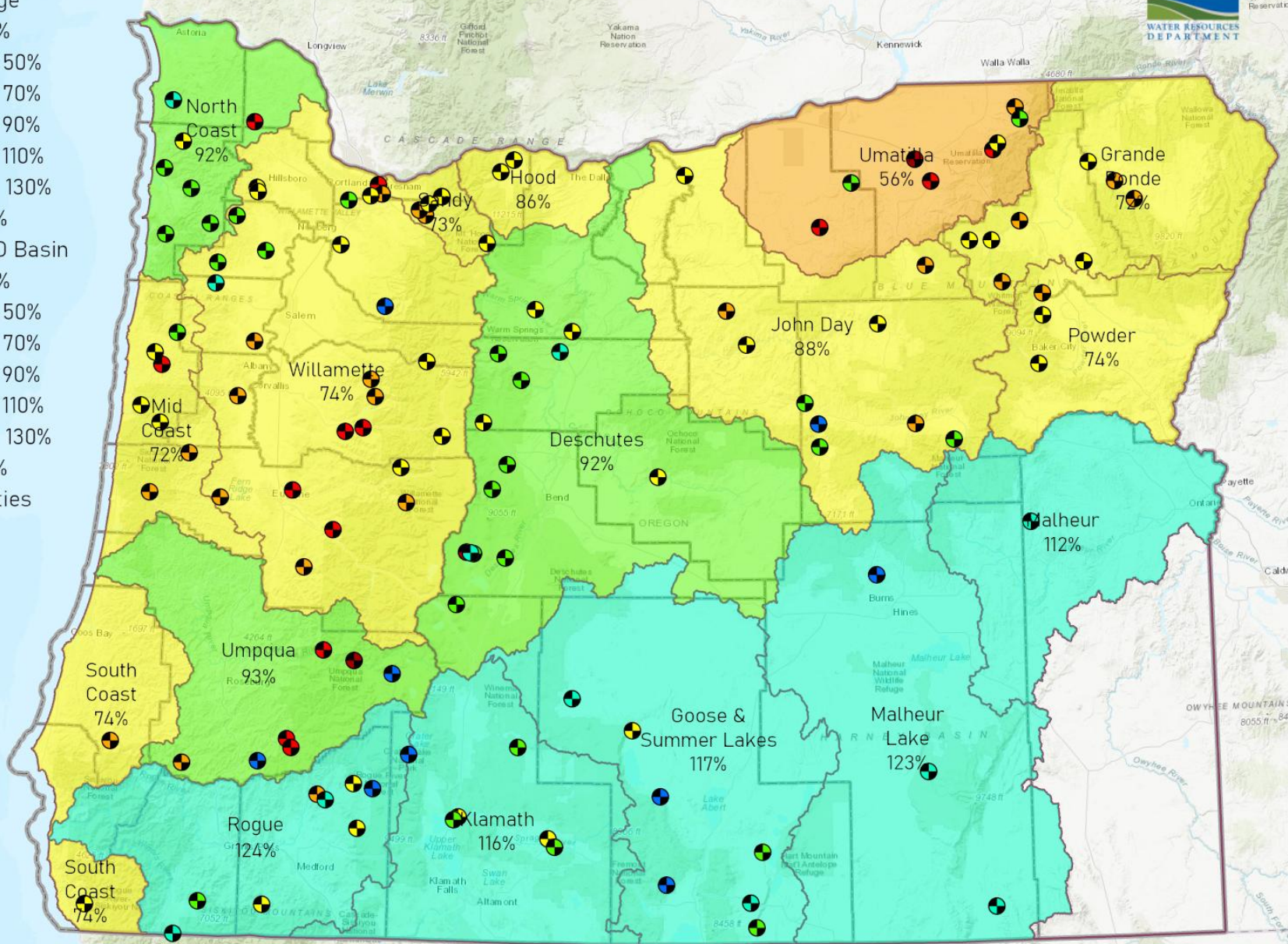
Date: 11/3/2025

Water Year To Date % of Average Streamflow - November 18, 2025



Stream Gage

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

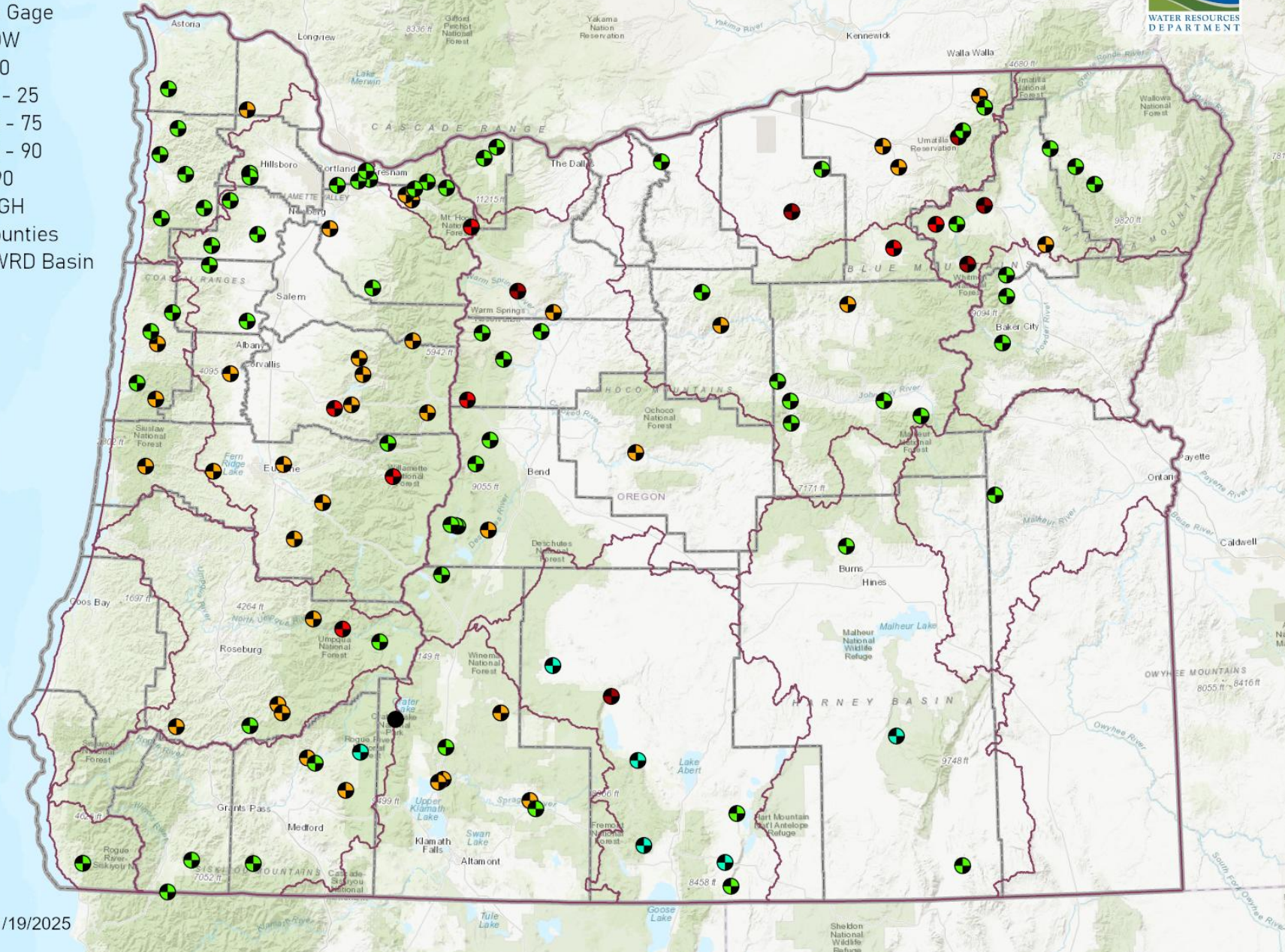


Date: 11/19/2025

7-Day Streamflow Percentile - November 17, 2025



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



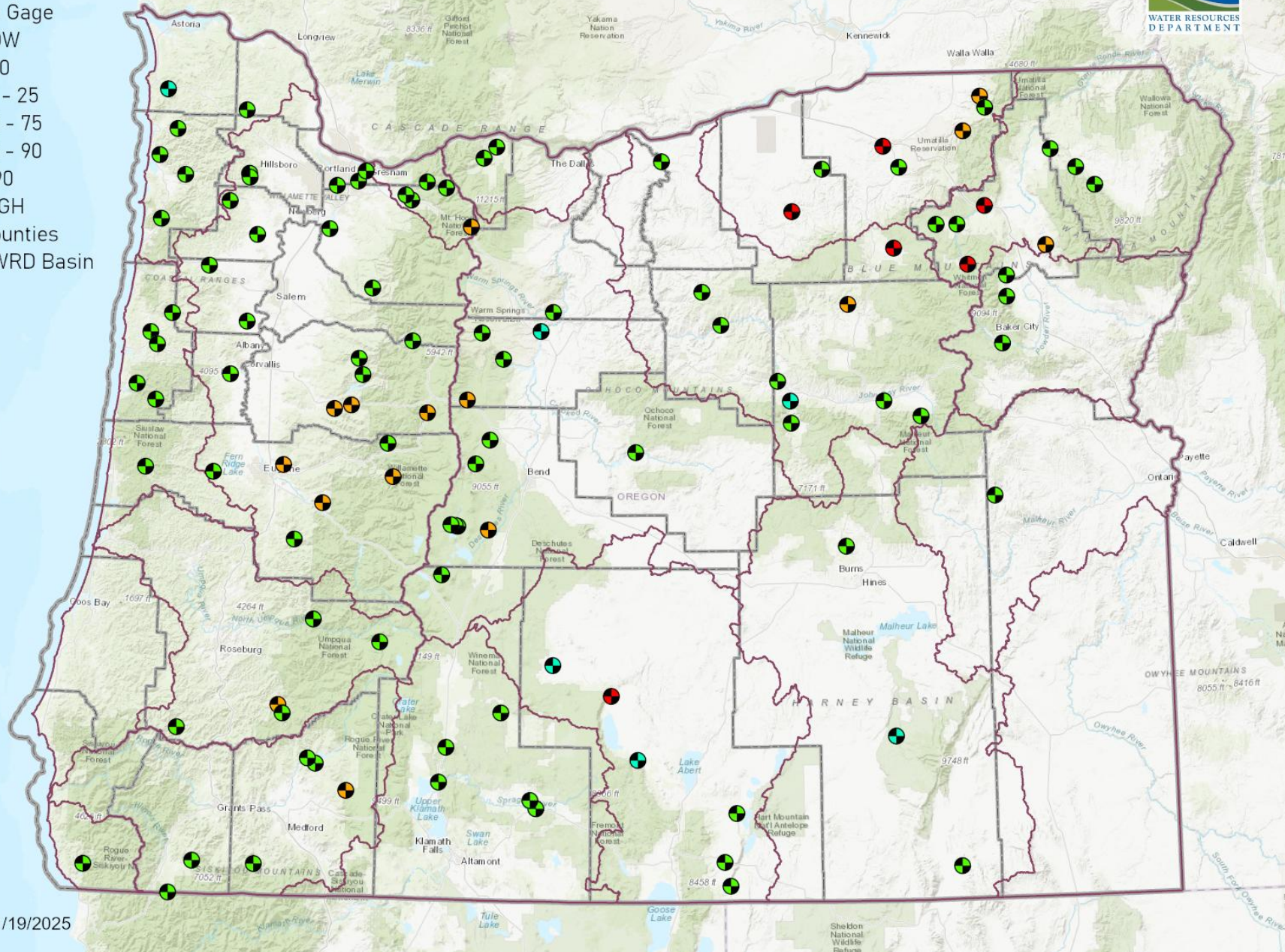
Date: 11/19/2025

28-Day Streamflow Percentile - November 17, 2025



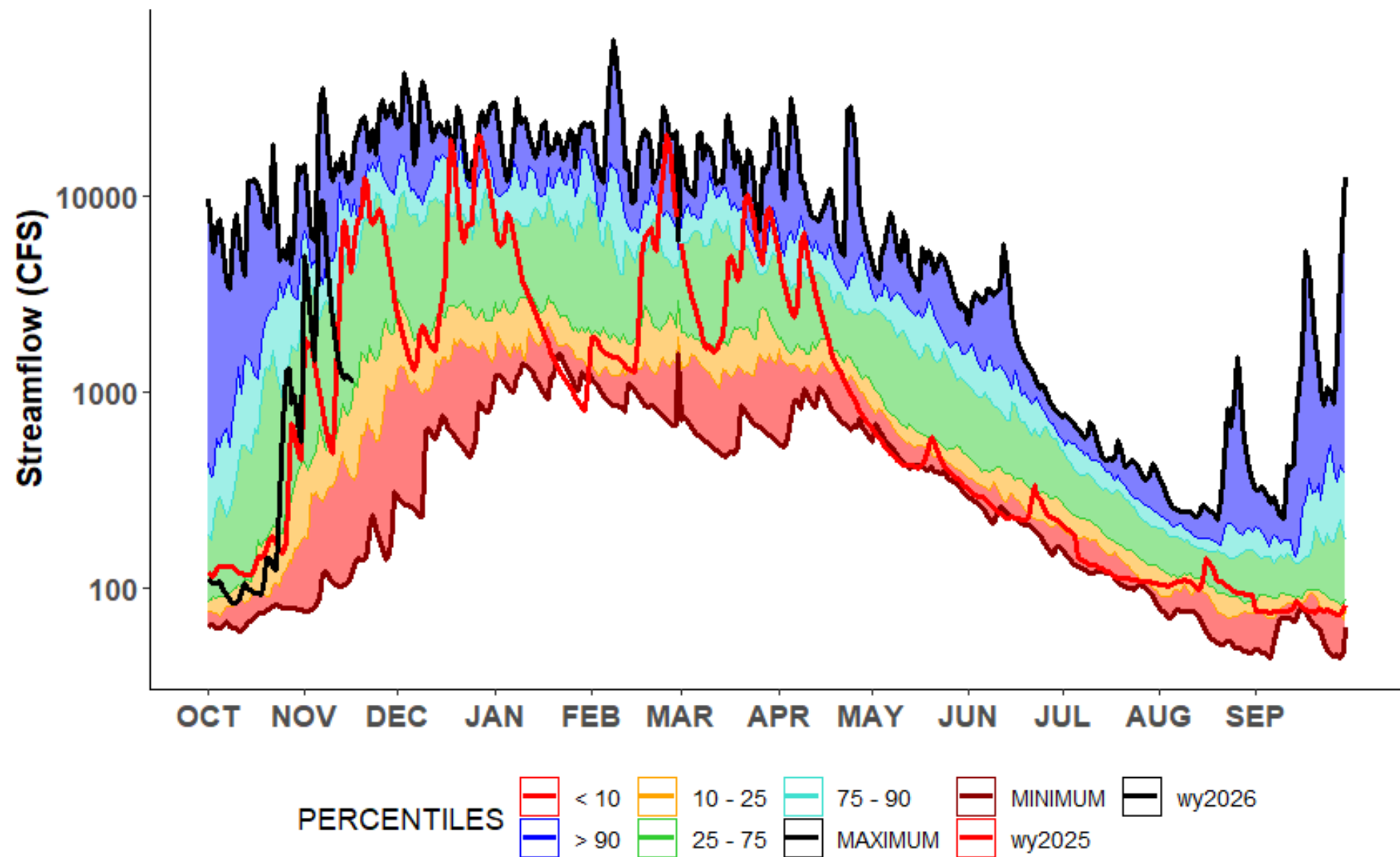
Stream Gage

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

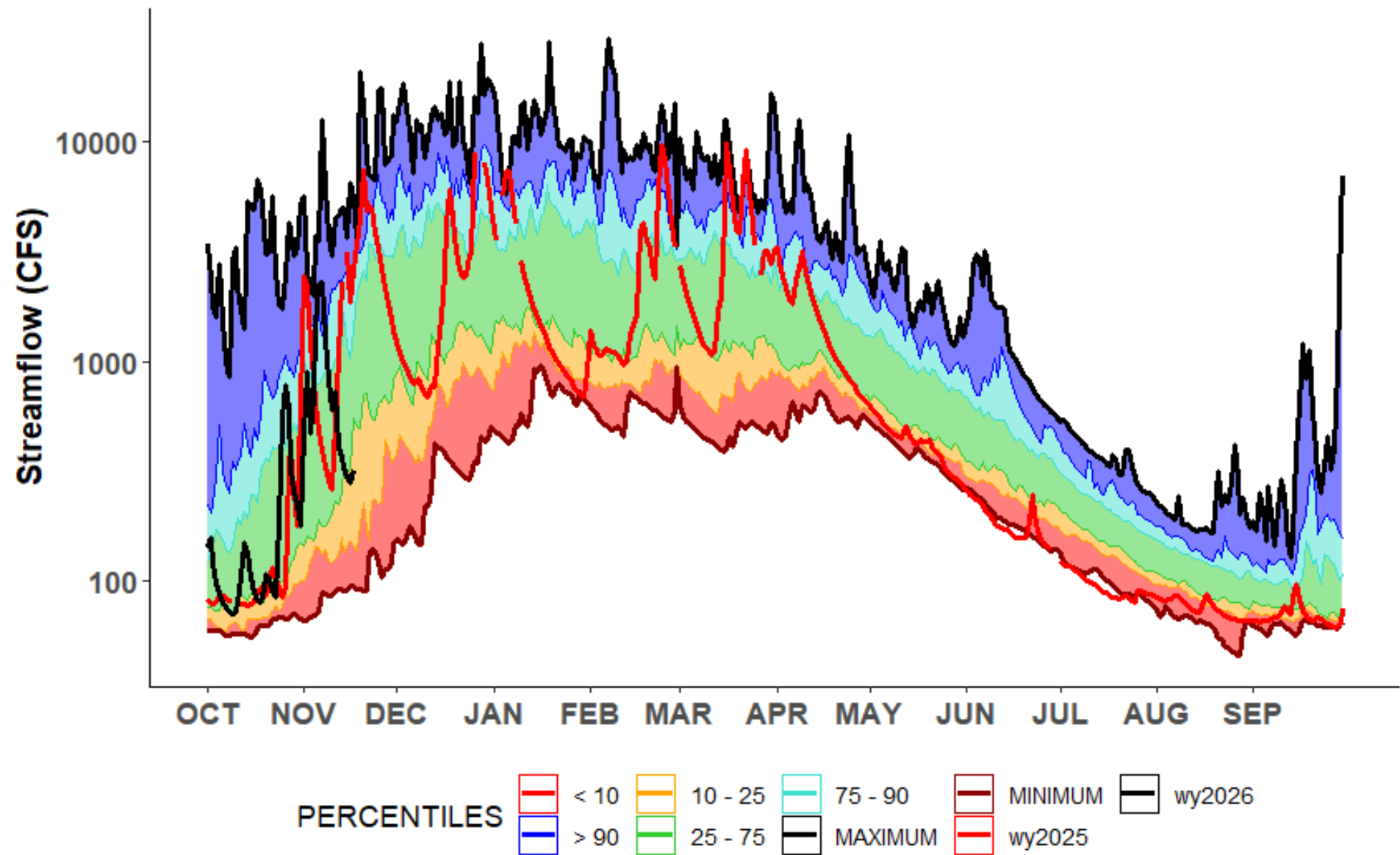


Date: 11/19/2025

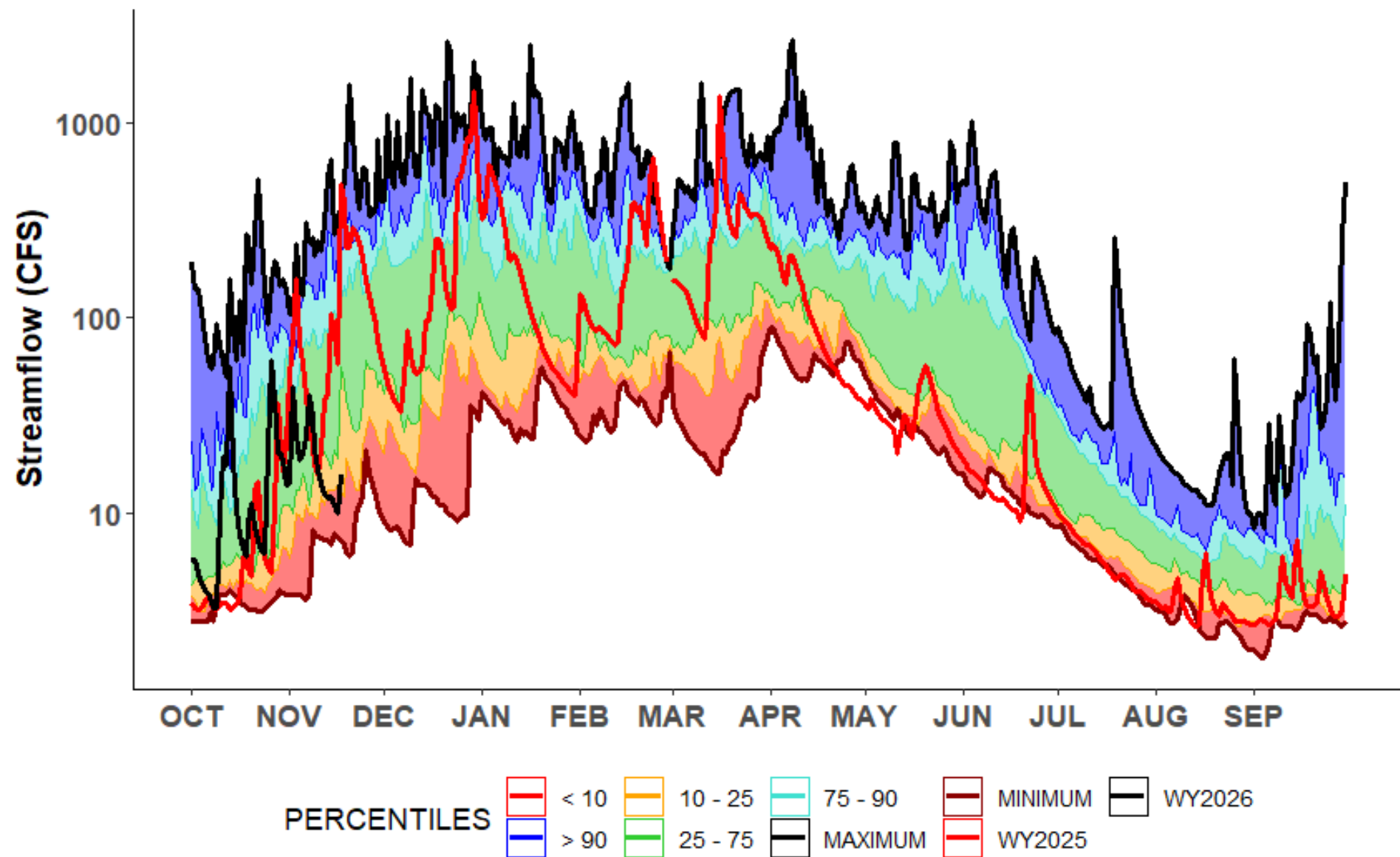
14301000 - NEHALEM R NR FOSS, OR
NORTH COAST BASIN
POR: 1991-2020



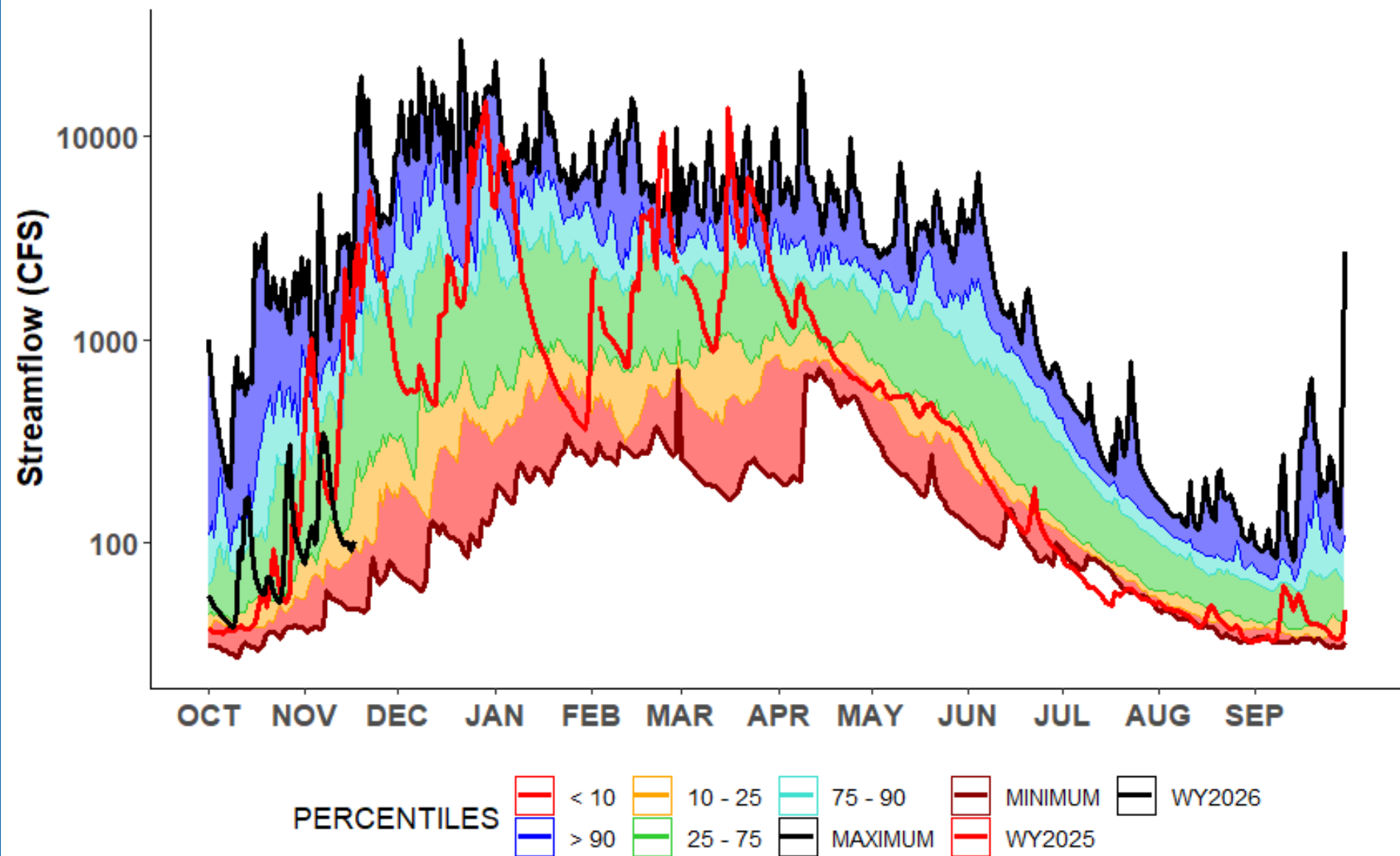
14306500 - ALSEA R NR TIDEWATER, OR
MID COAST BASIN
POR: 1991-2020



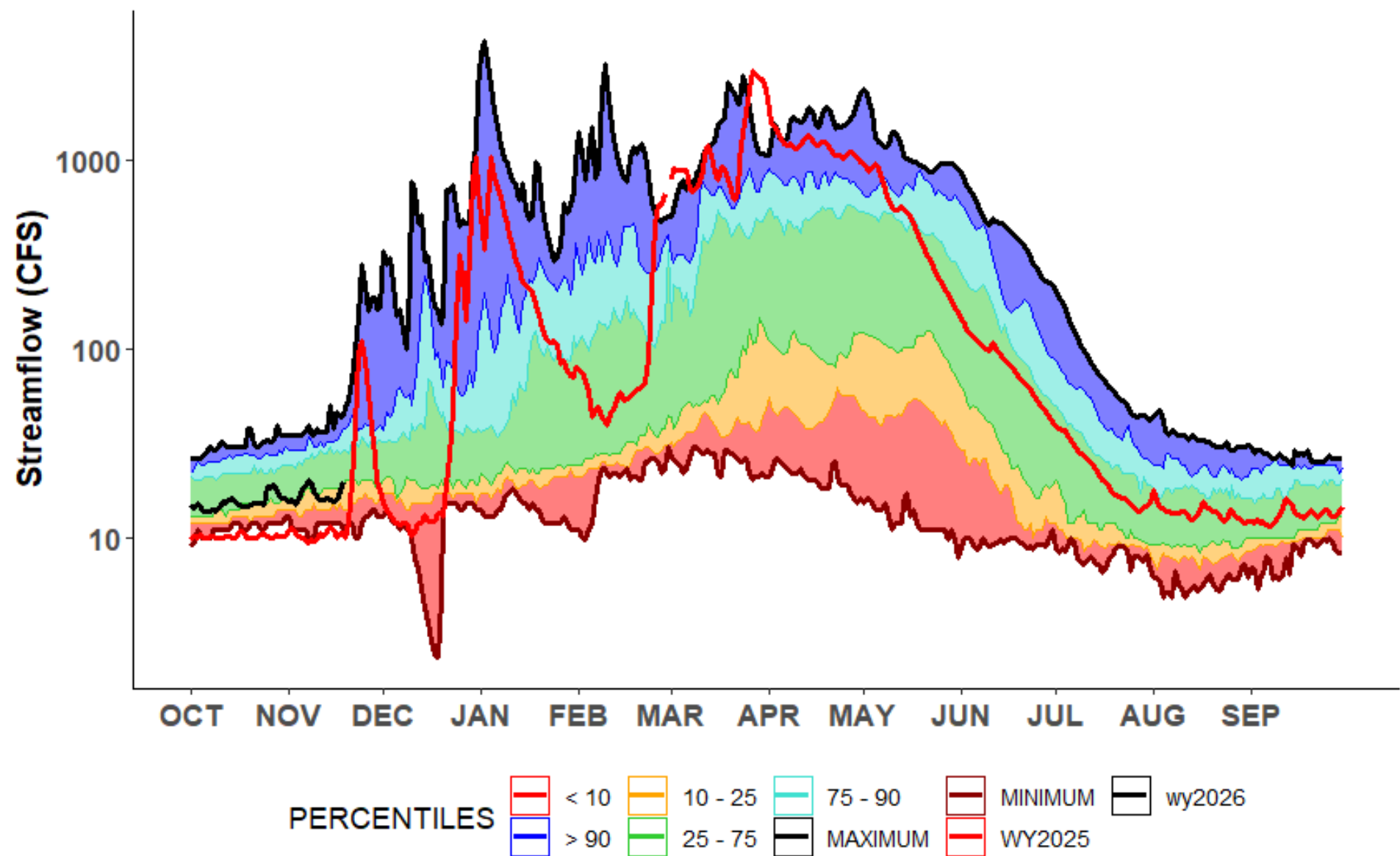
14150800 - DEEP CR AB ADEL, OR
WILLAMETTE BASIN
POR: 1991-2020



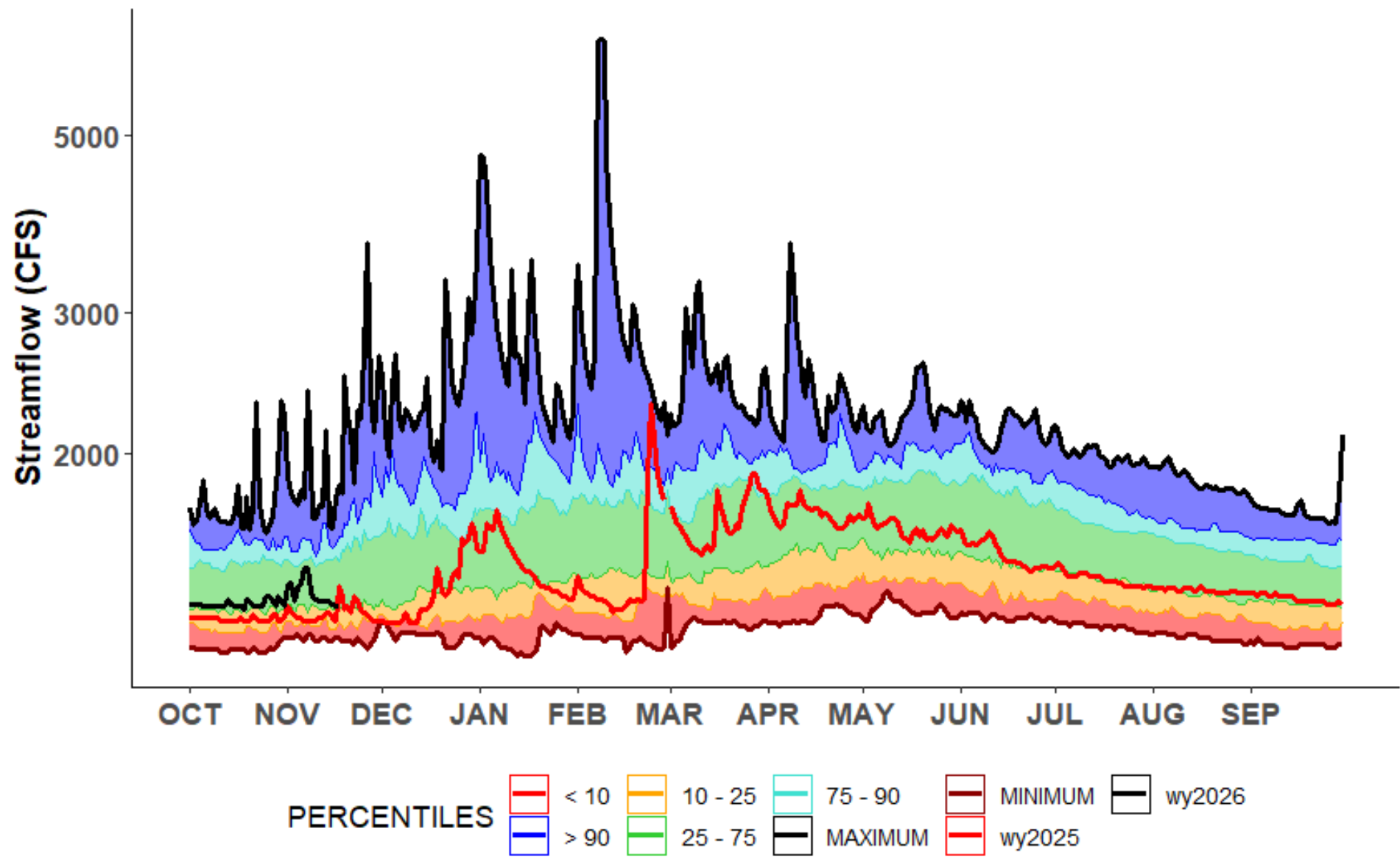
14308000 - S UMPQUA R AT TILLER, OR
UMPQUA BASIN
POR: 1991-2020



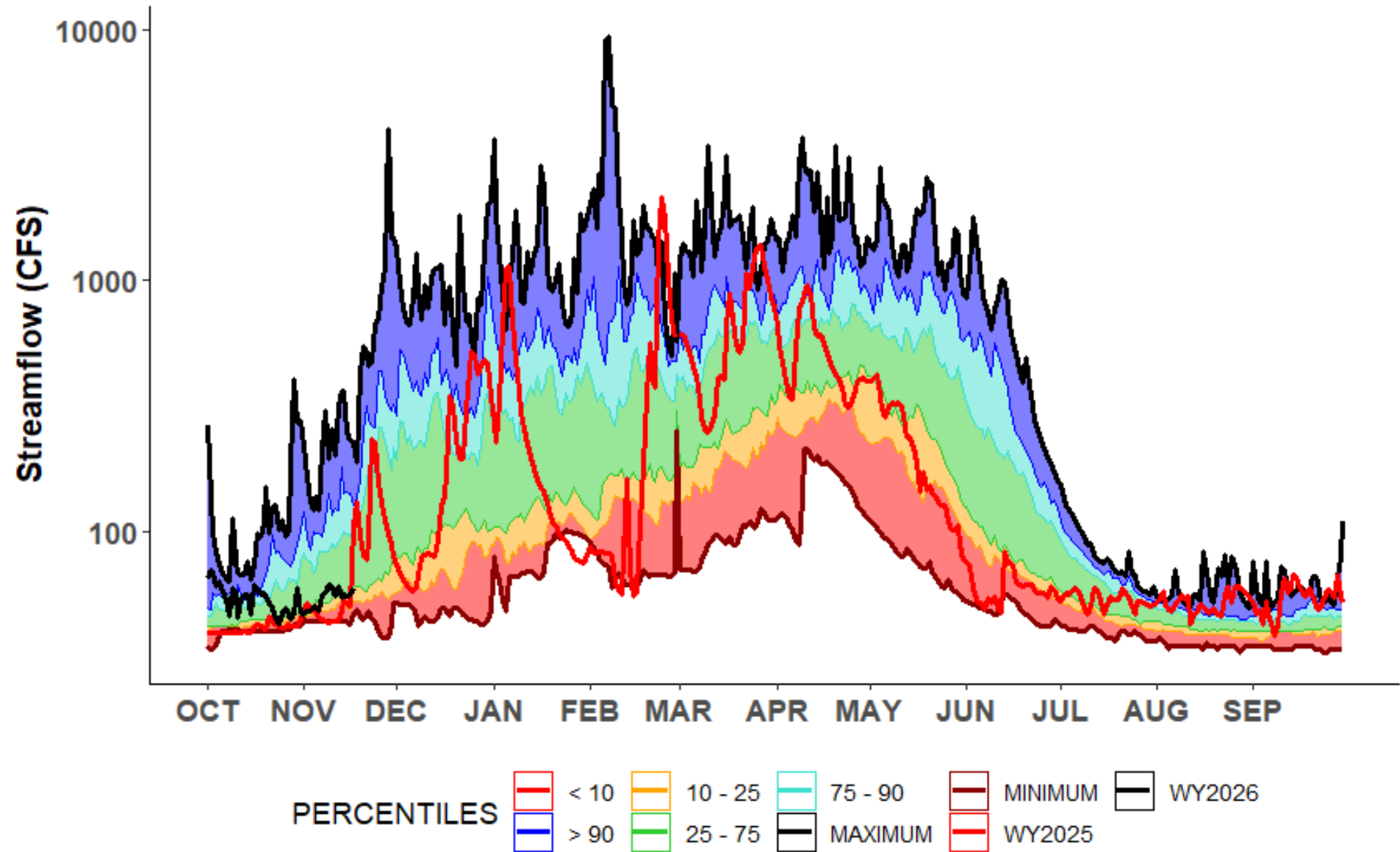
11499100 - SYCAN R BL SNAKE CR NR BEATTY, OR
KLAMATH BASIN
POR: 1991-2020



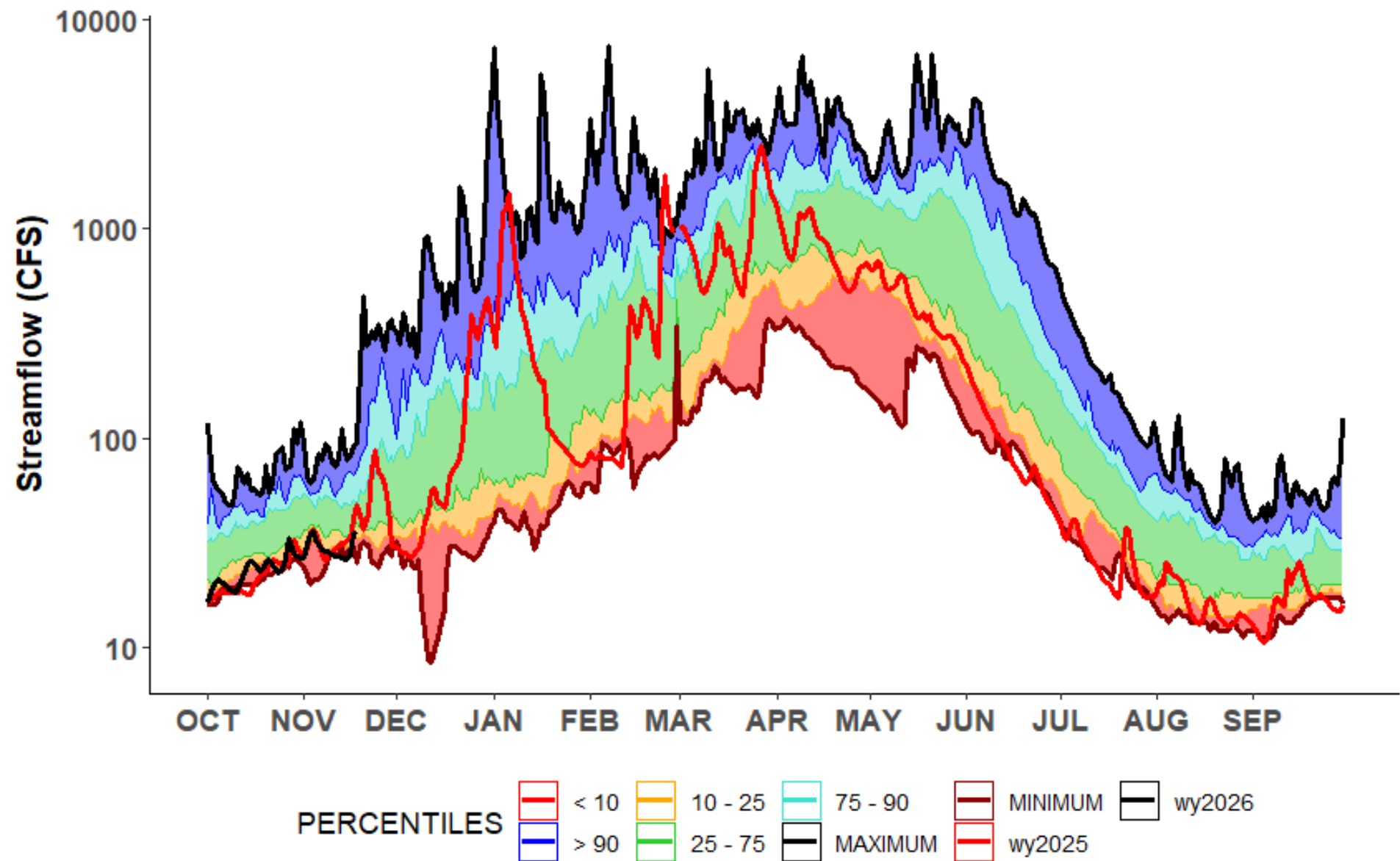
14091500 - METOLIUS R NR GRANDVIEW, OR
DESCHUTES BASIN
POR: 1991-2020



14020000 - UMATILLA R AB MEACHAM CR NR GIBBON, OR
UMATILLA BASIN
POR: 1991-2020



13318960 - GRANDE RONDE R NR PERRY, OR
GRANDE RONDE BASIN
POR: 1991-2020



OREGON



WATER RESOURCES
DEPARTMENT

Thank you!

Questions?





BUREAU OF
RECLAMATION

Reclamation Storage Update

Oregon Water Supply Availability Committee Meeting
November 19, 2025

Basin Operations Summary

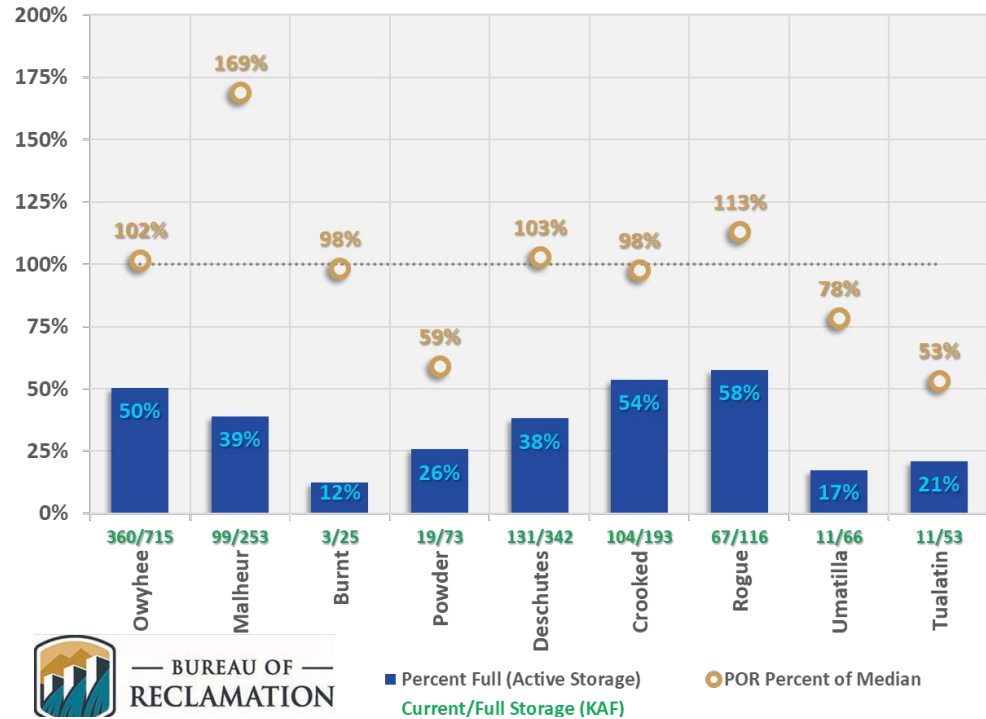
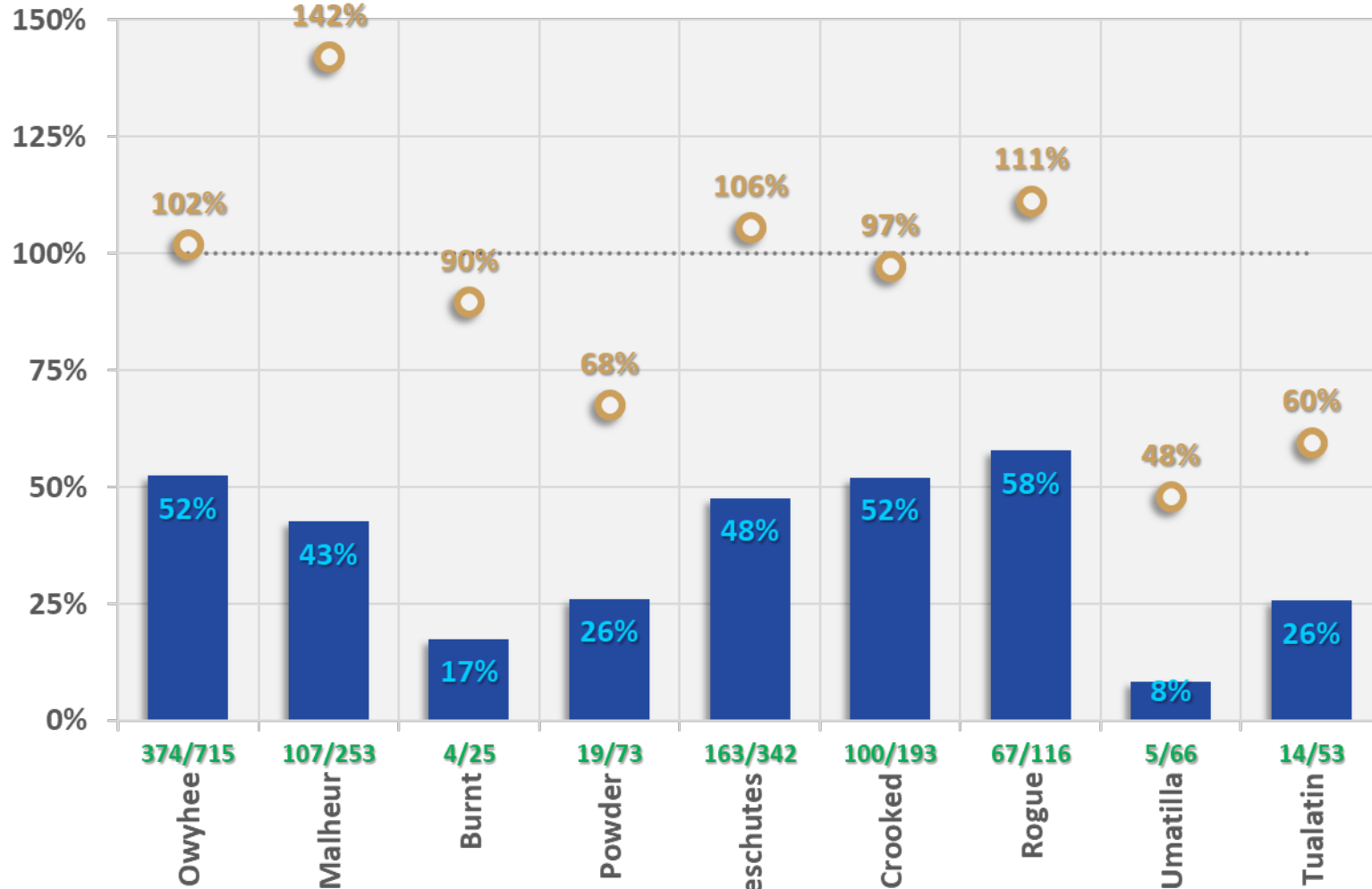
- **Operations Activities:**
 - Irrigation season concluded
 - Reservoirs filling
 - Anticipating WY2026 FRM season
- **Water Supply Notes**
 - Near to above normal carryover in most reservoirs
 - Healthy storage water supply across Reclamation projects in OR



Storage Conditions

Oregon Reservoir Storage (Nov 18 2025)

Oregon Reservoir Storage (Oct 21 2025)



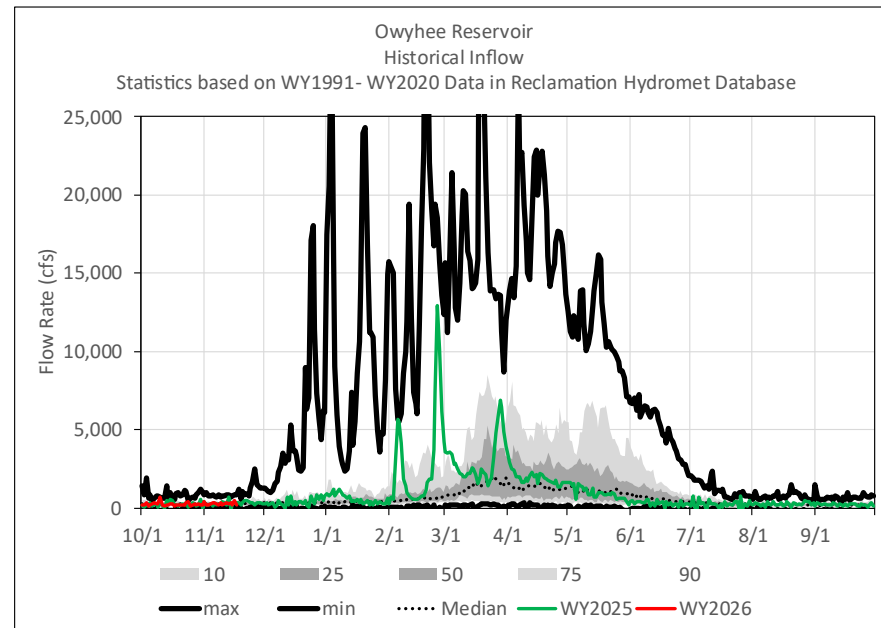
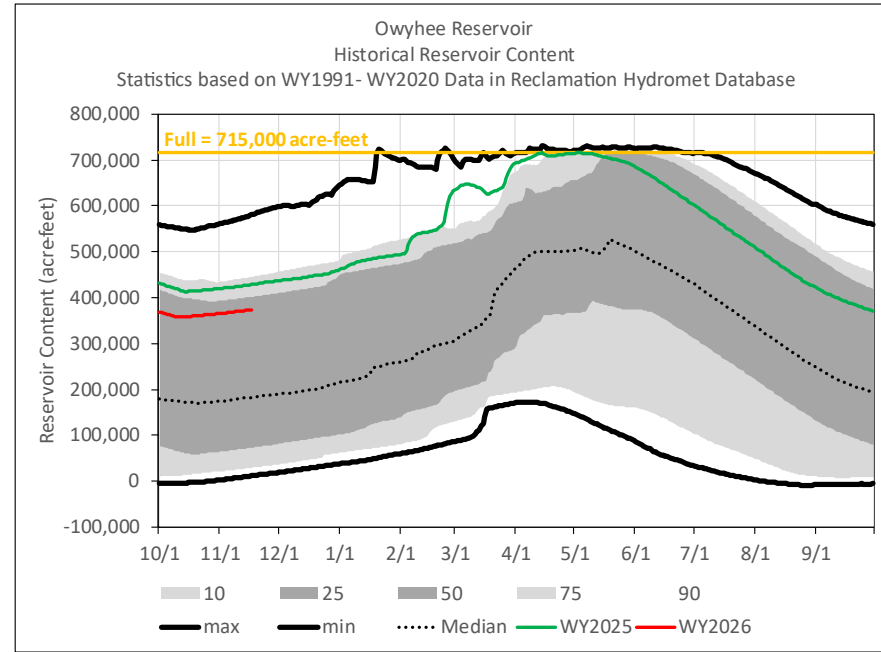
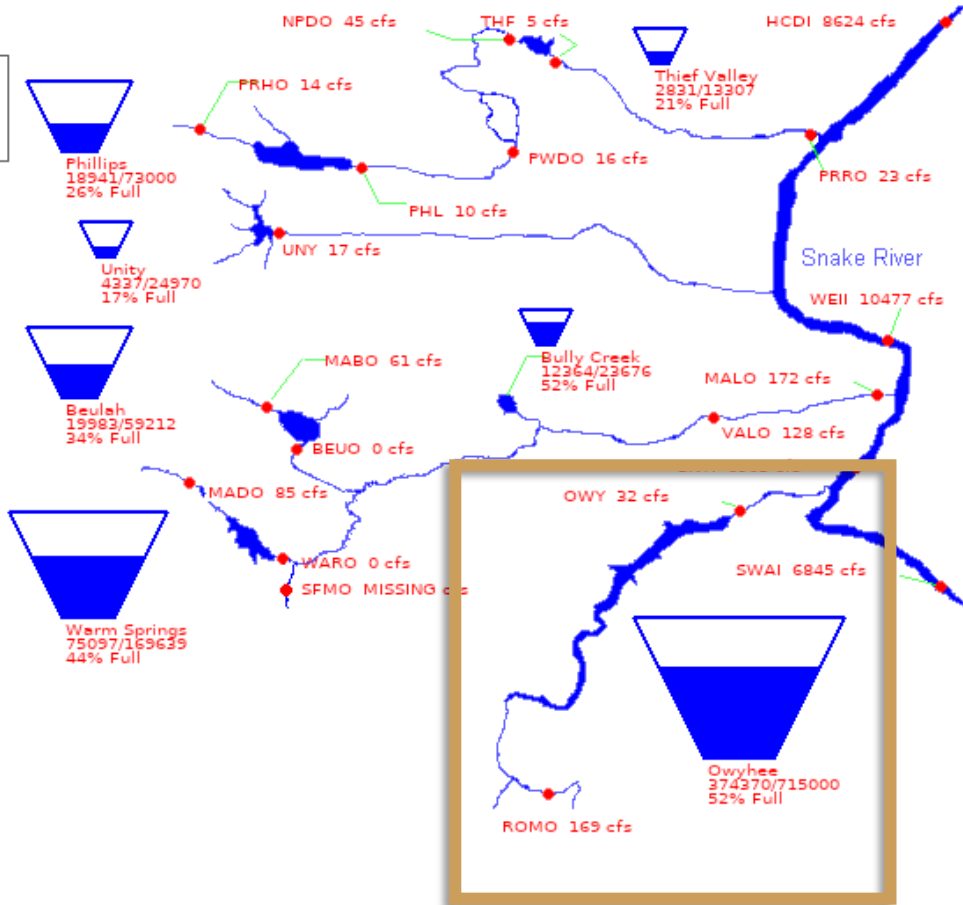
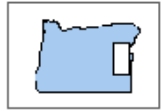
■ Percent Full (Active Storage)
 ● POR Percent of Median
 Current/Full Storage (KAF)



■ Percent Full (Active Storage)
 ● POR Percent of Median
 Current/Full Storage (KAF)

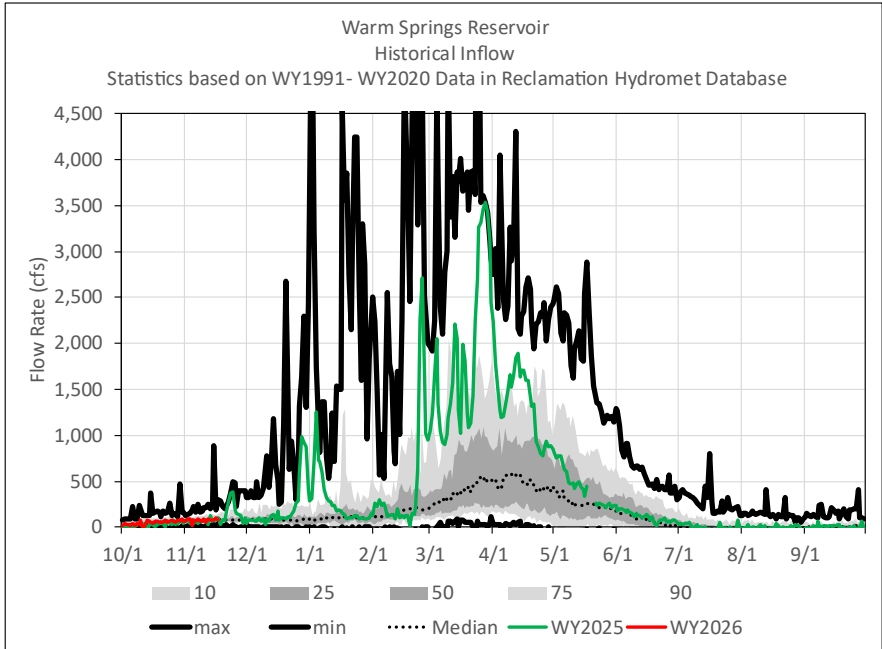
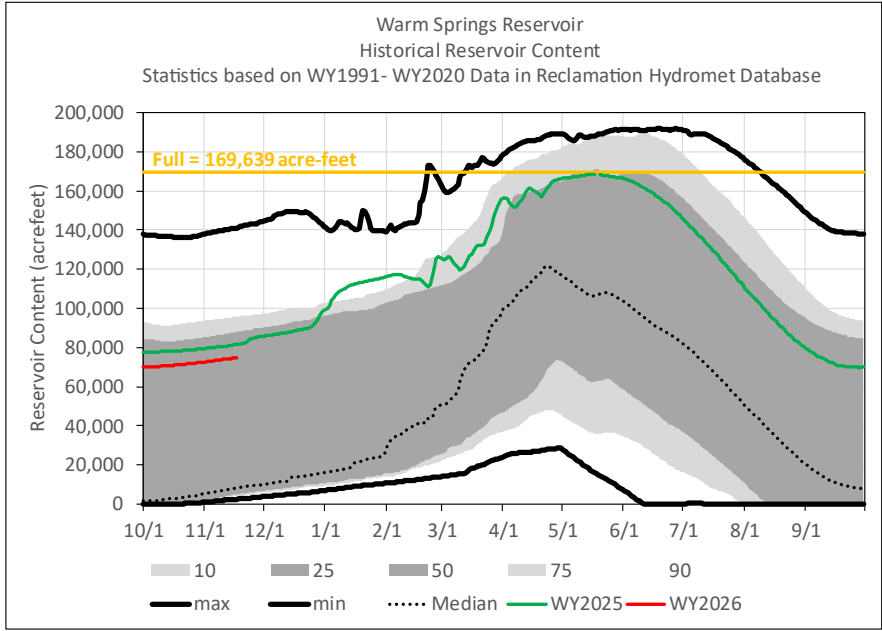
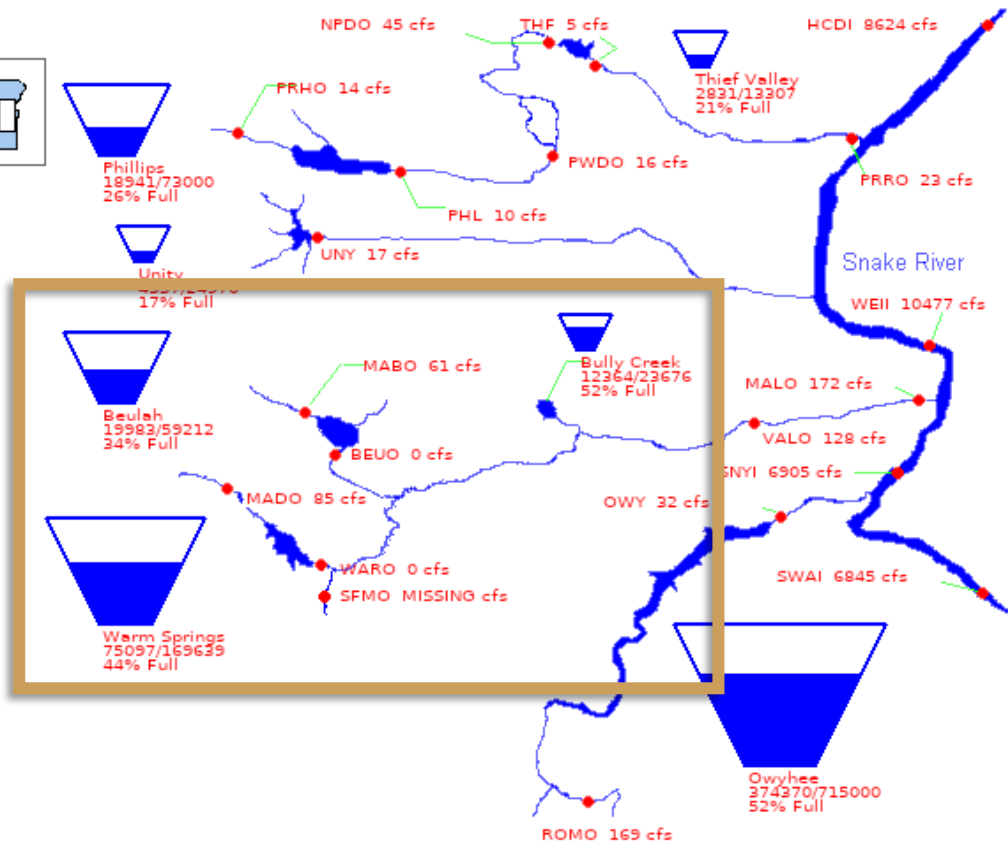
Owyhee River Basin

11/18/2025



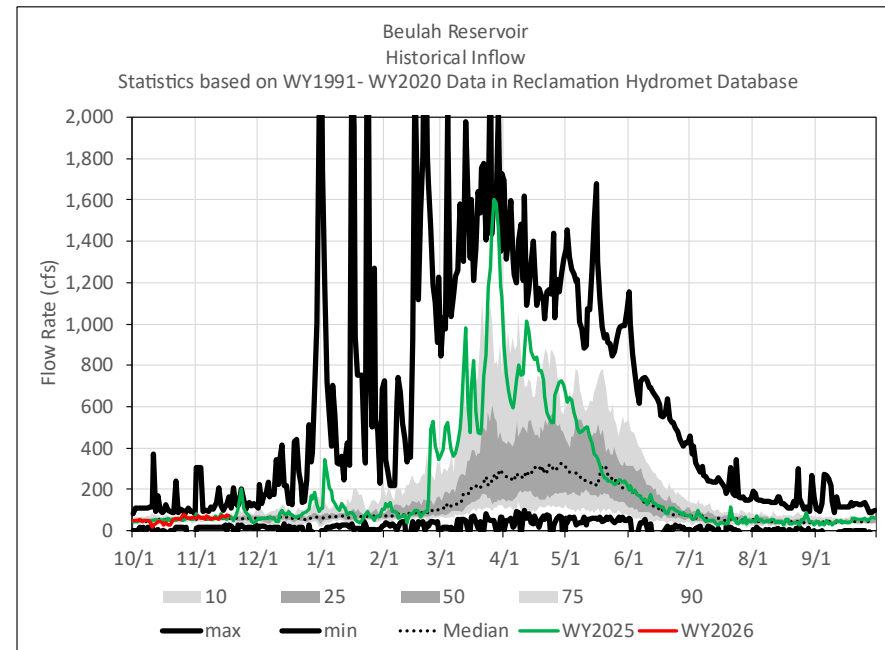
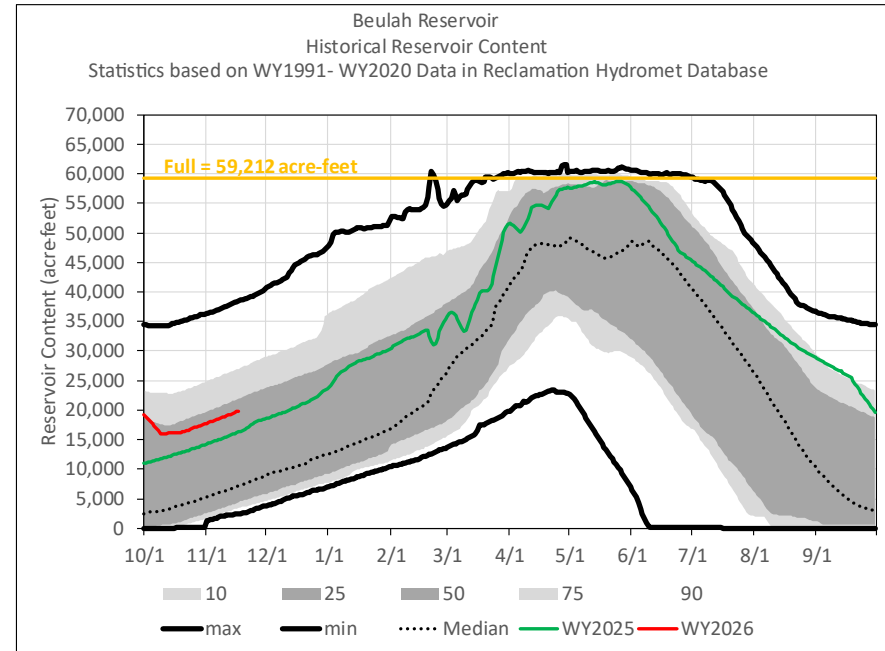
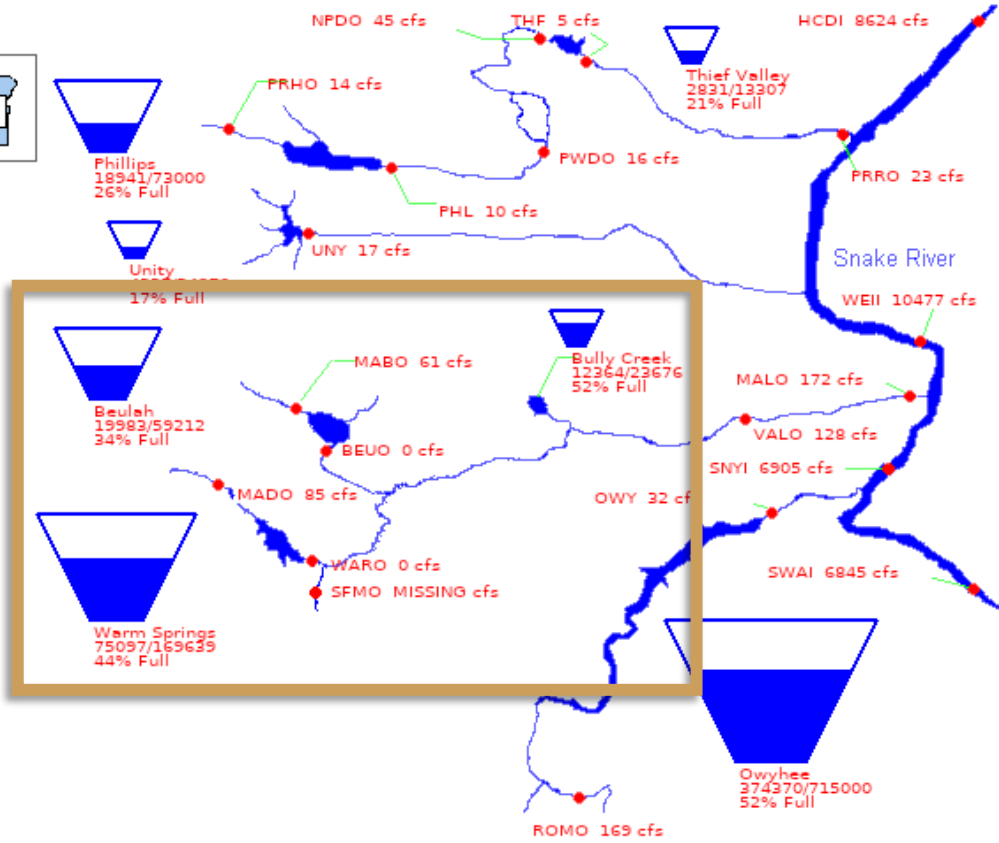
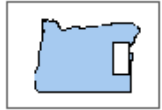
Malheur River Basin

11/18/2025



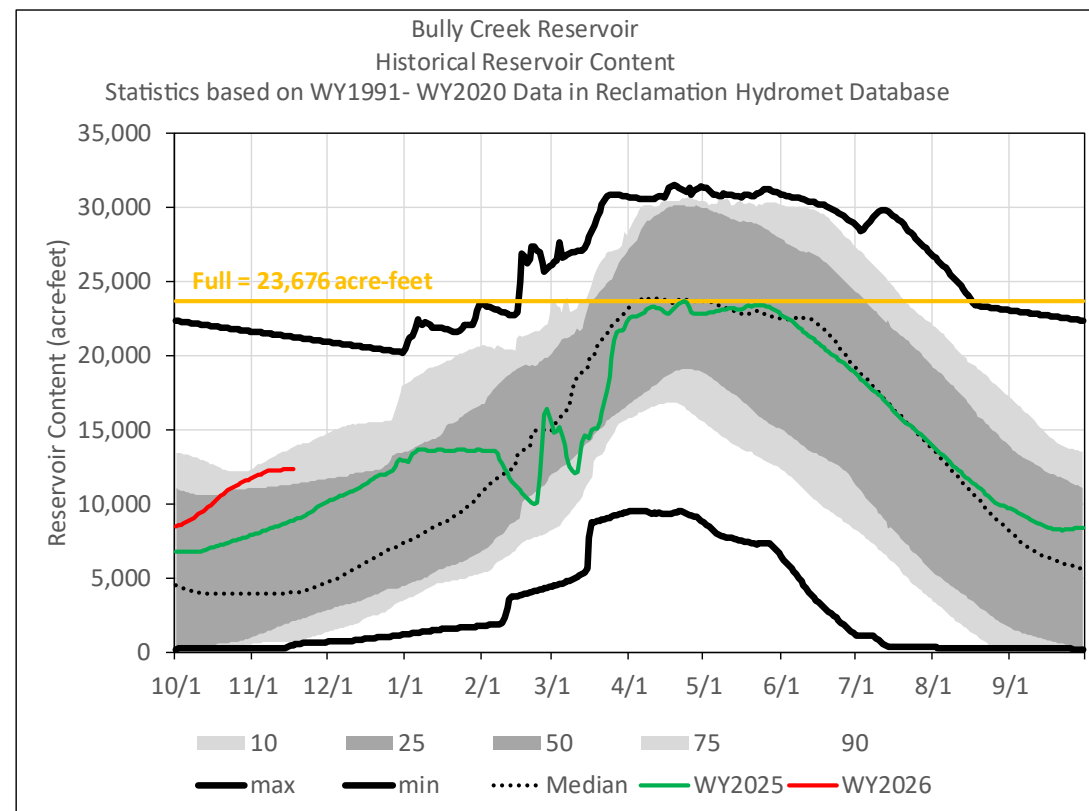
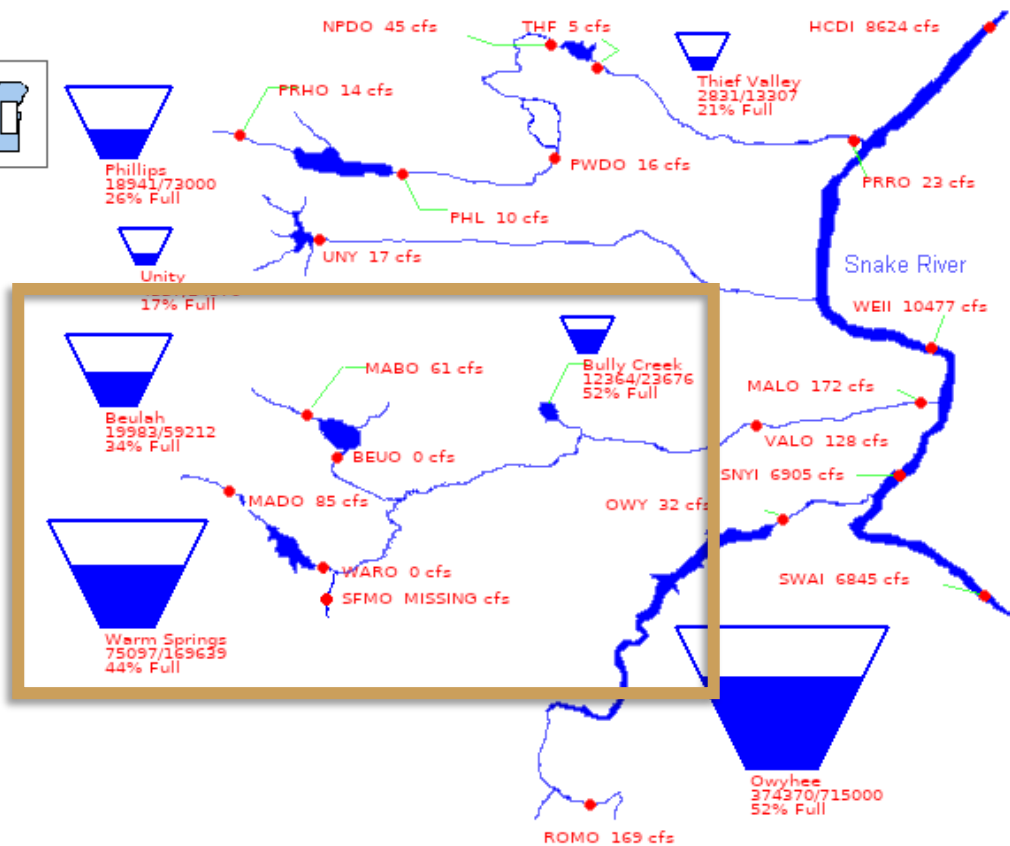
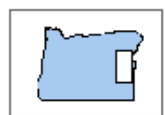
Malheur River Basin

11/18/2025



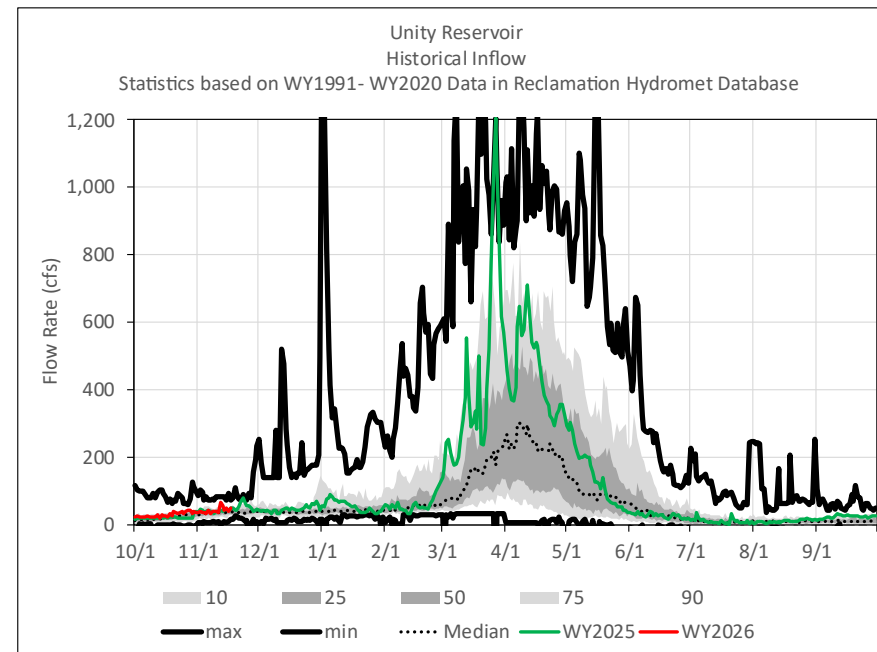
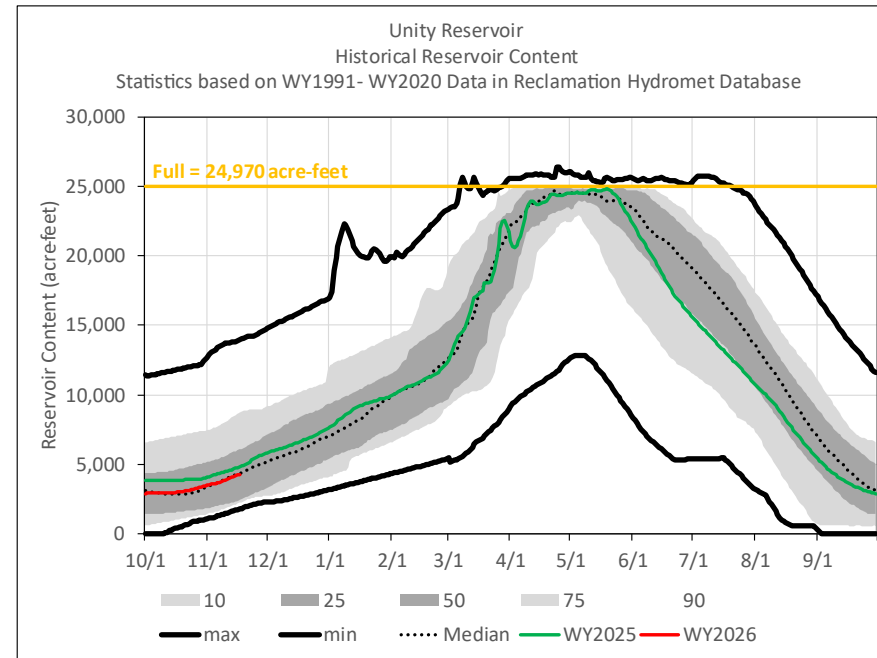
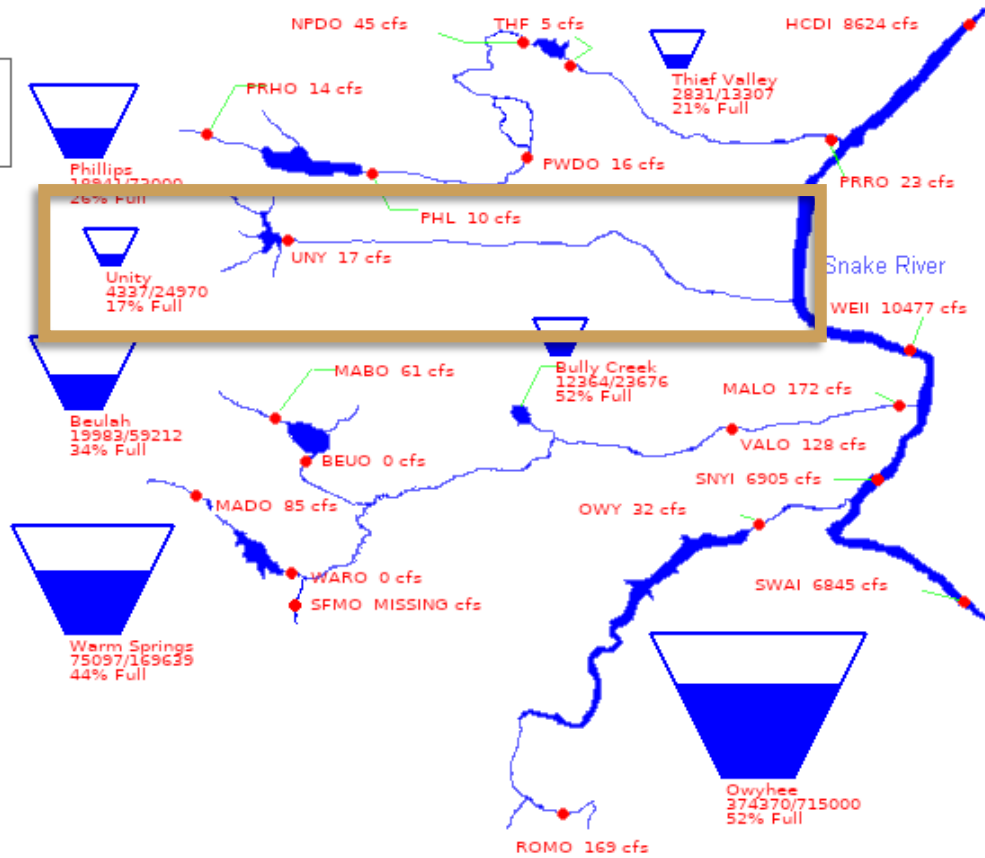
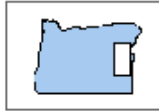
Malheur River Basin

11/18/2025



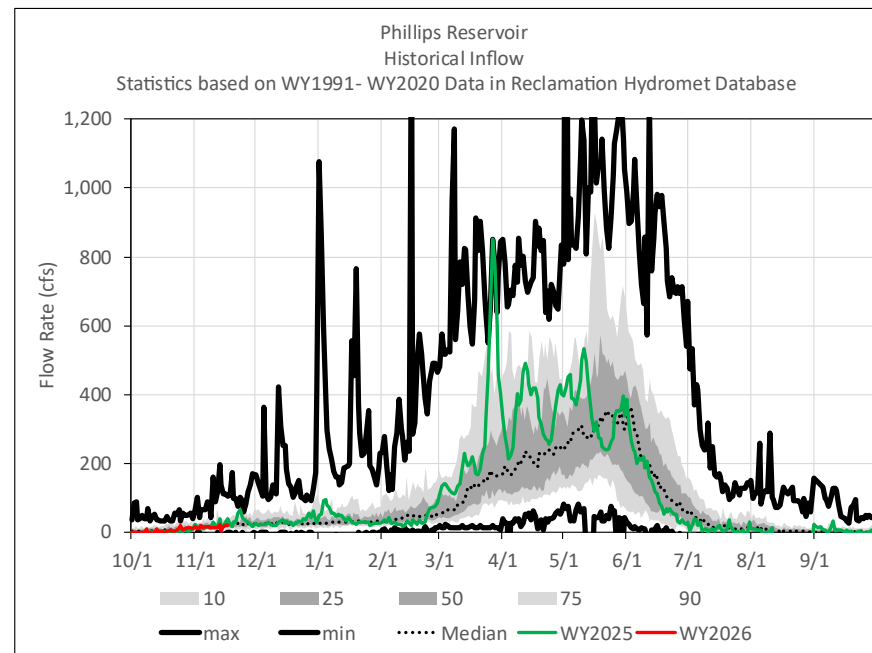
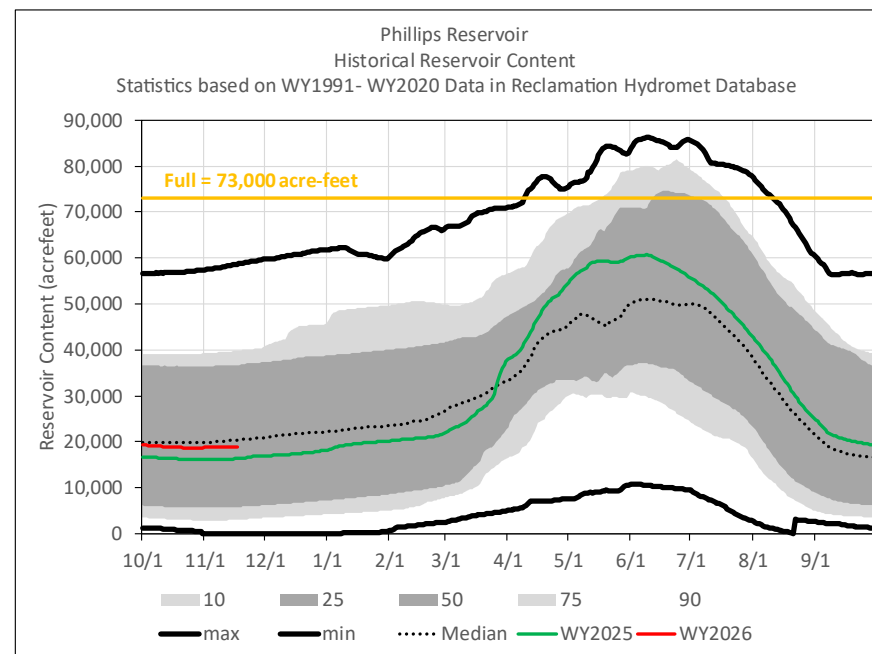
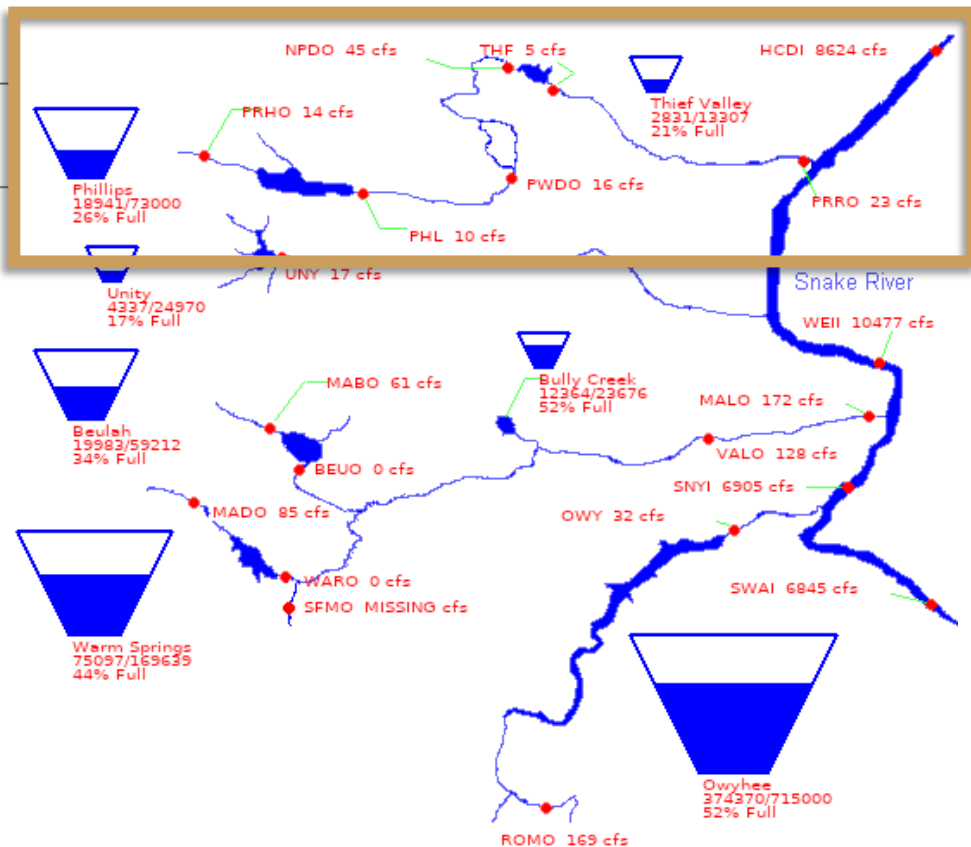
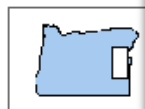
Burnt River Basin

11/18/2025



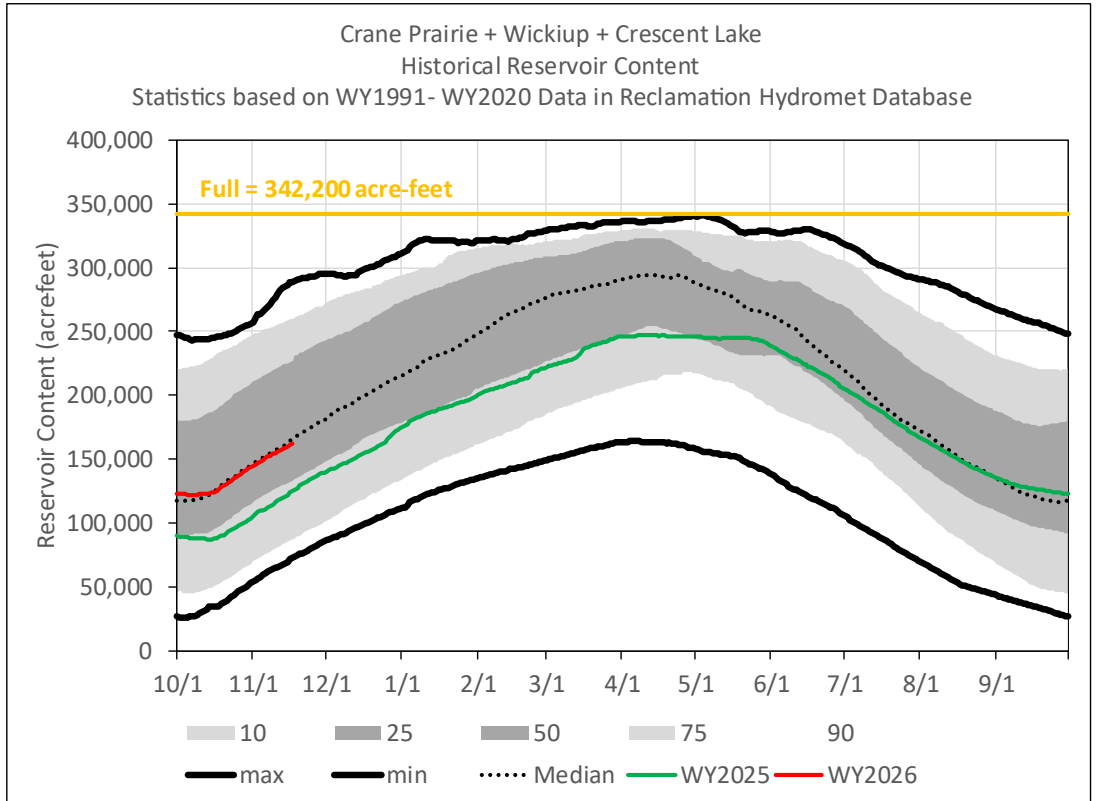
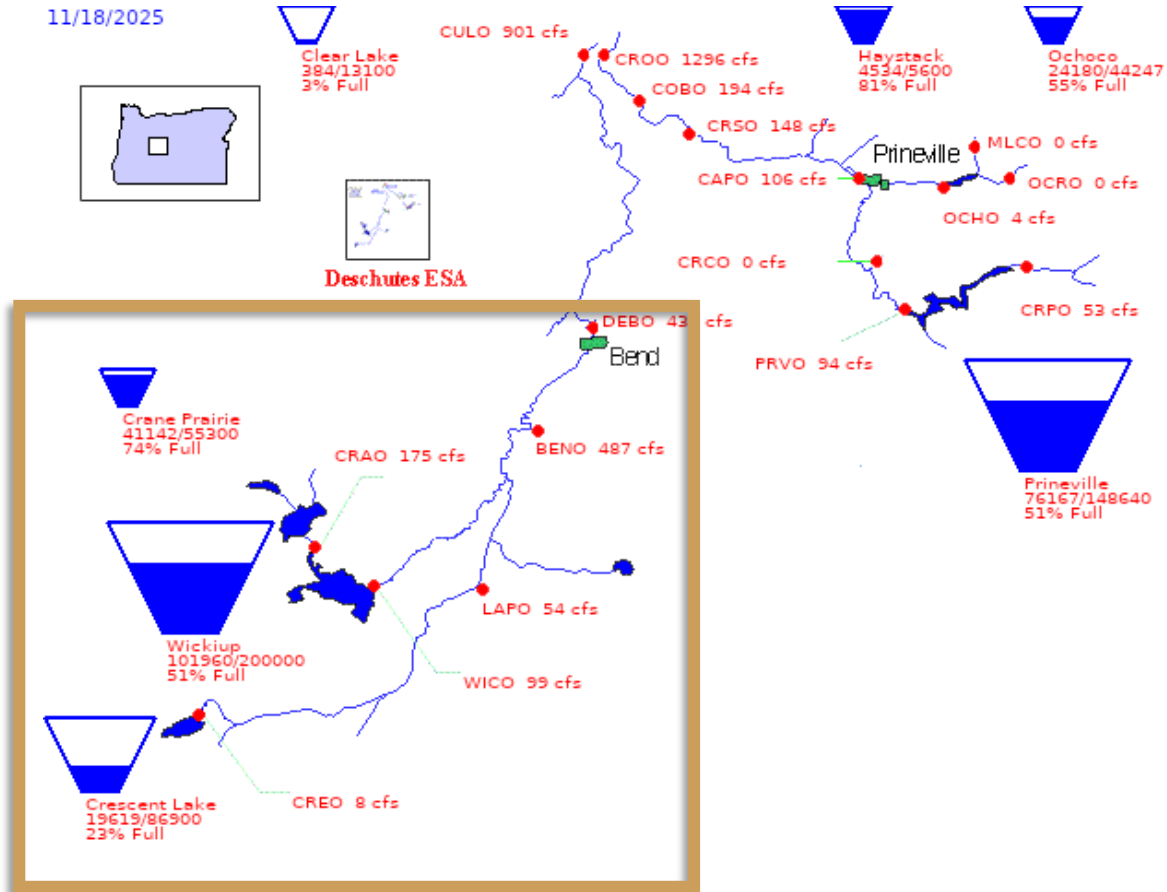
Powder River Basin

11/18/2025



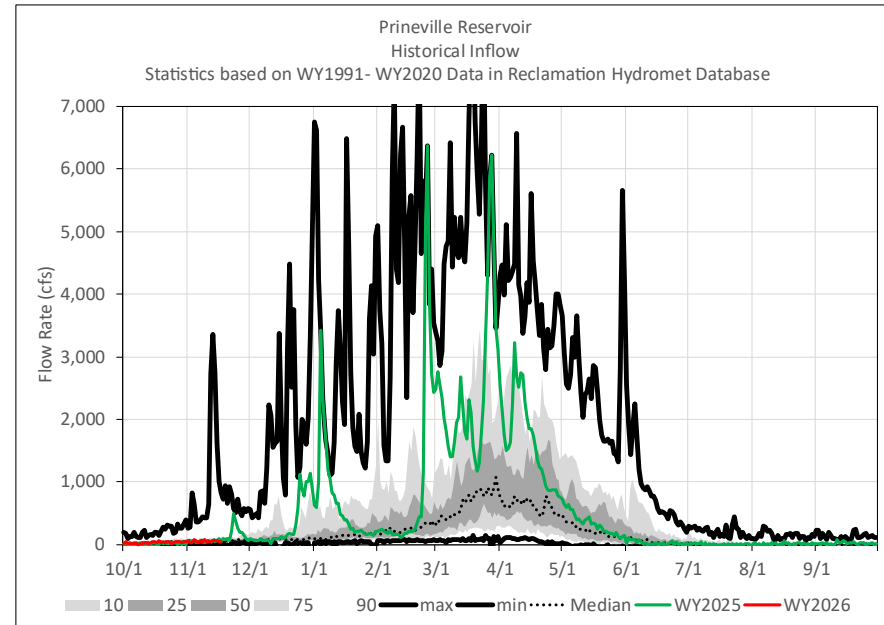
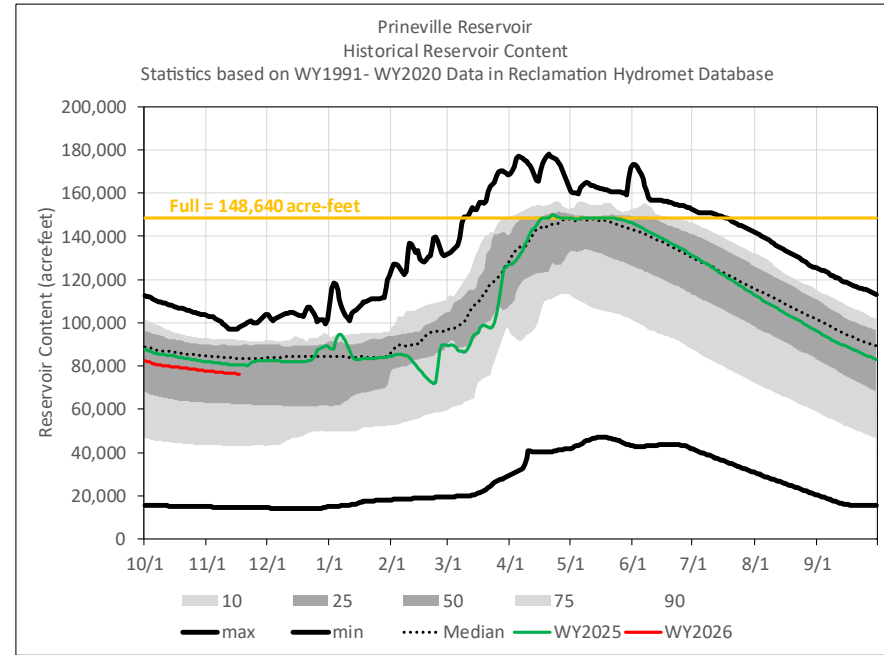
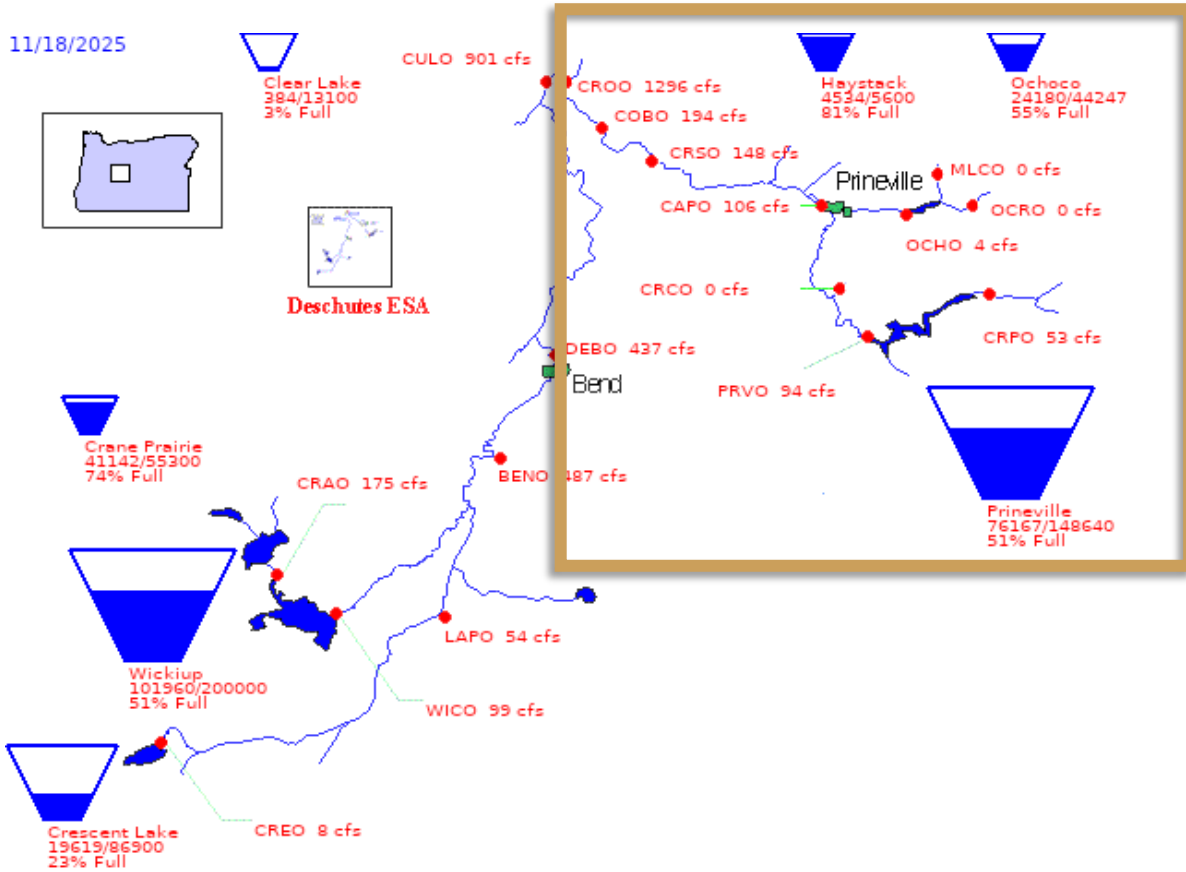
Deschutes River Basin

11/18/2025



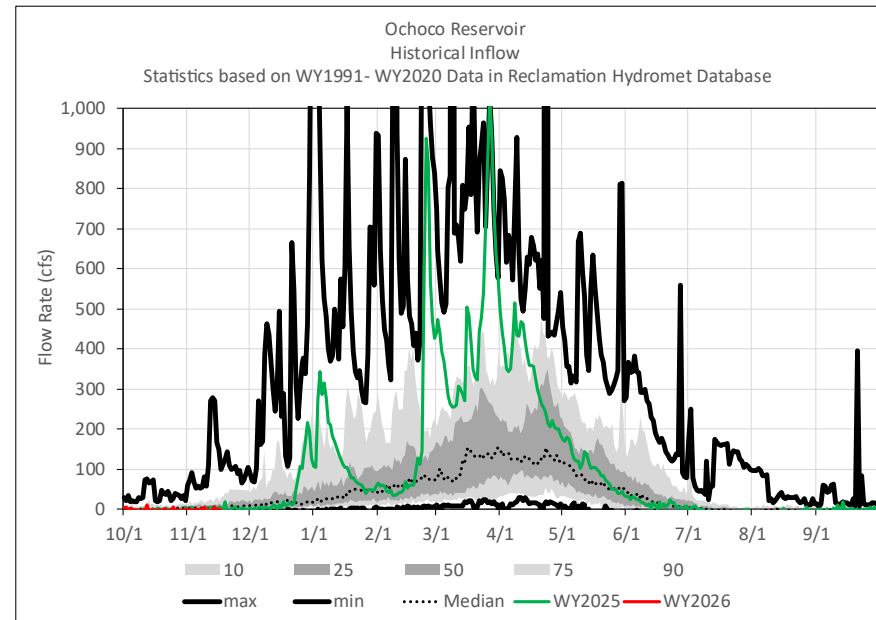
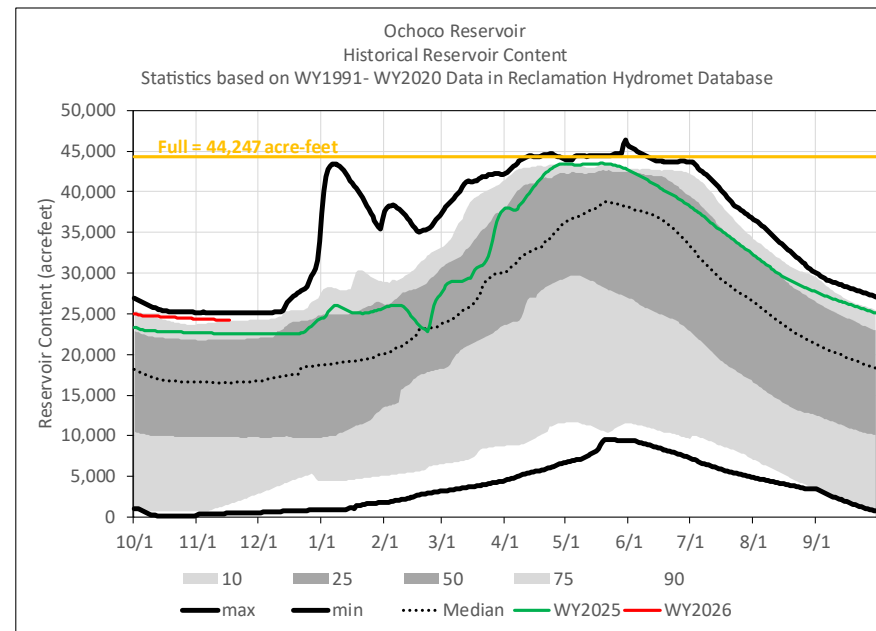
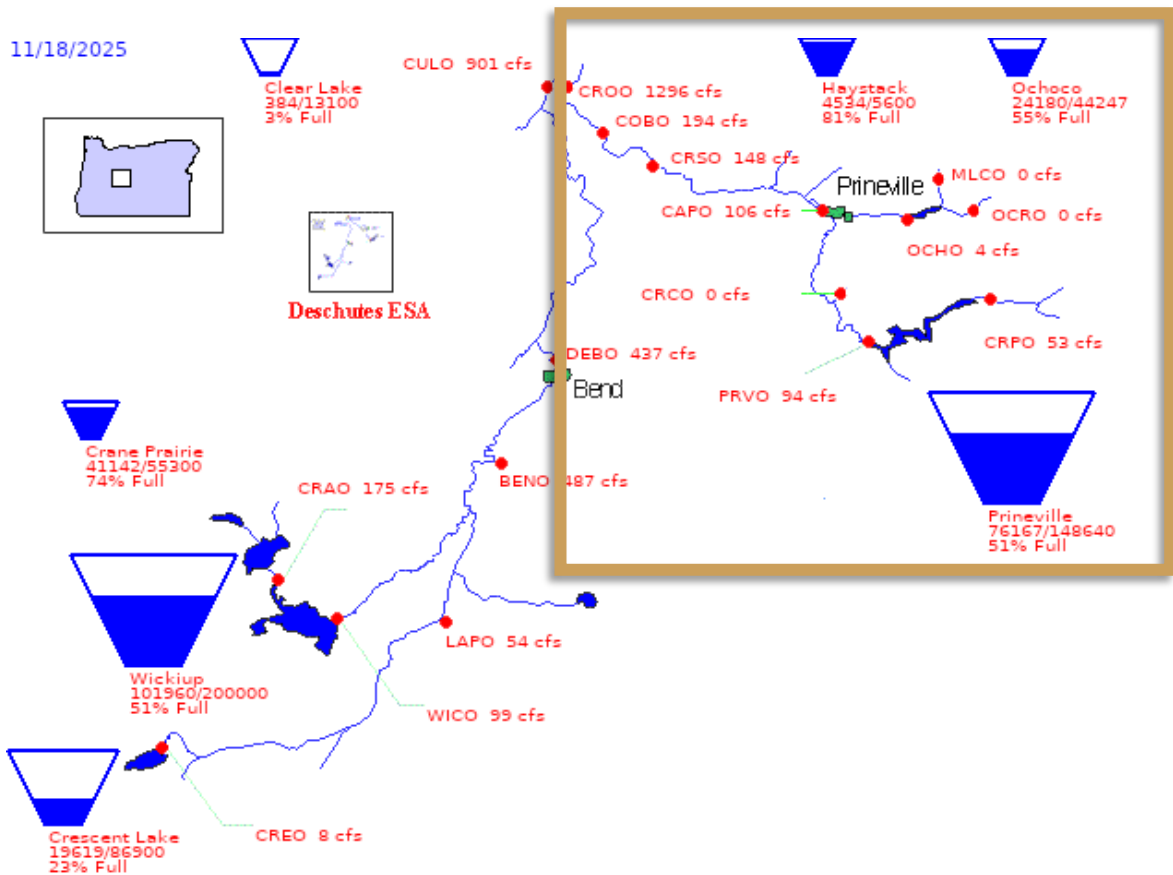
Crooked River Basin

11/18/2025



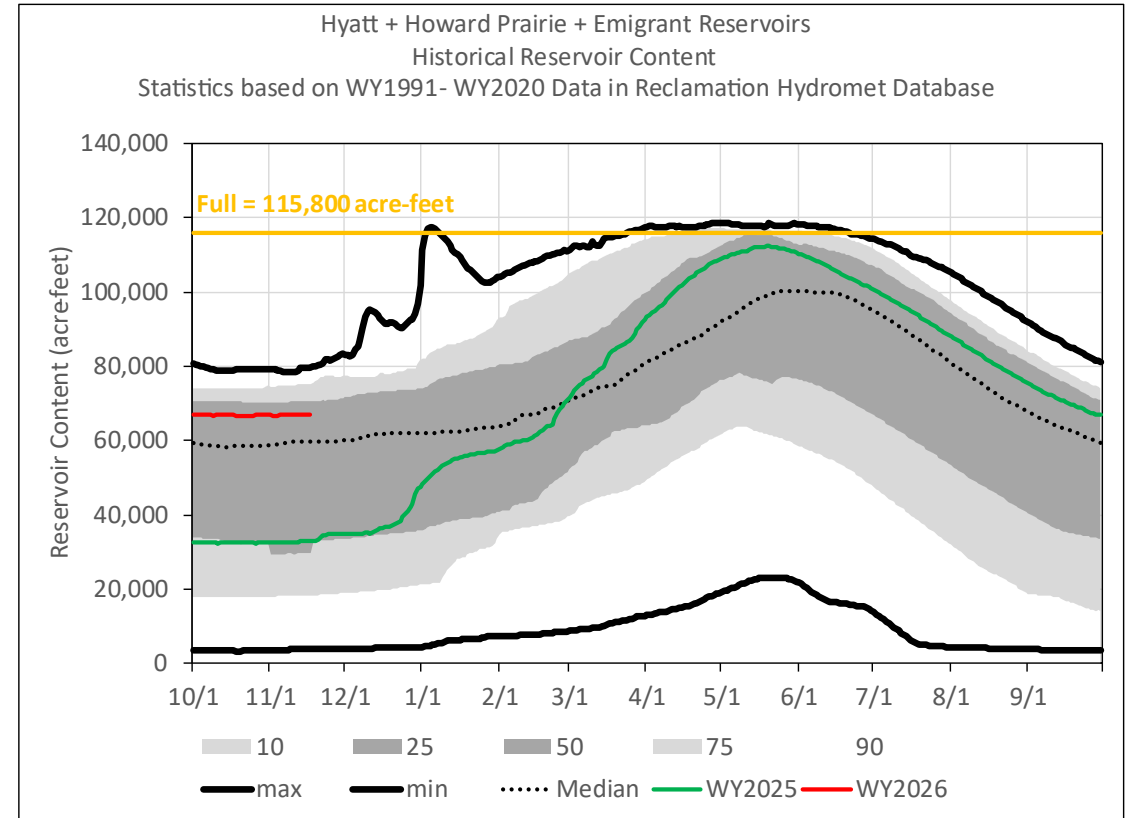
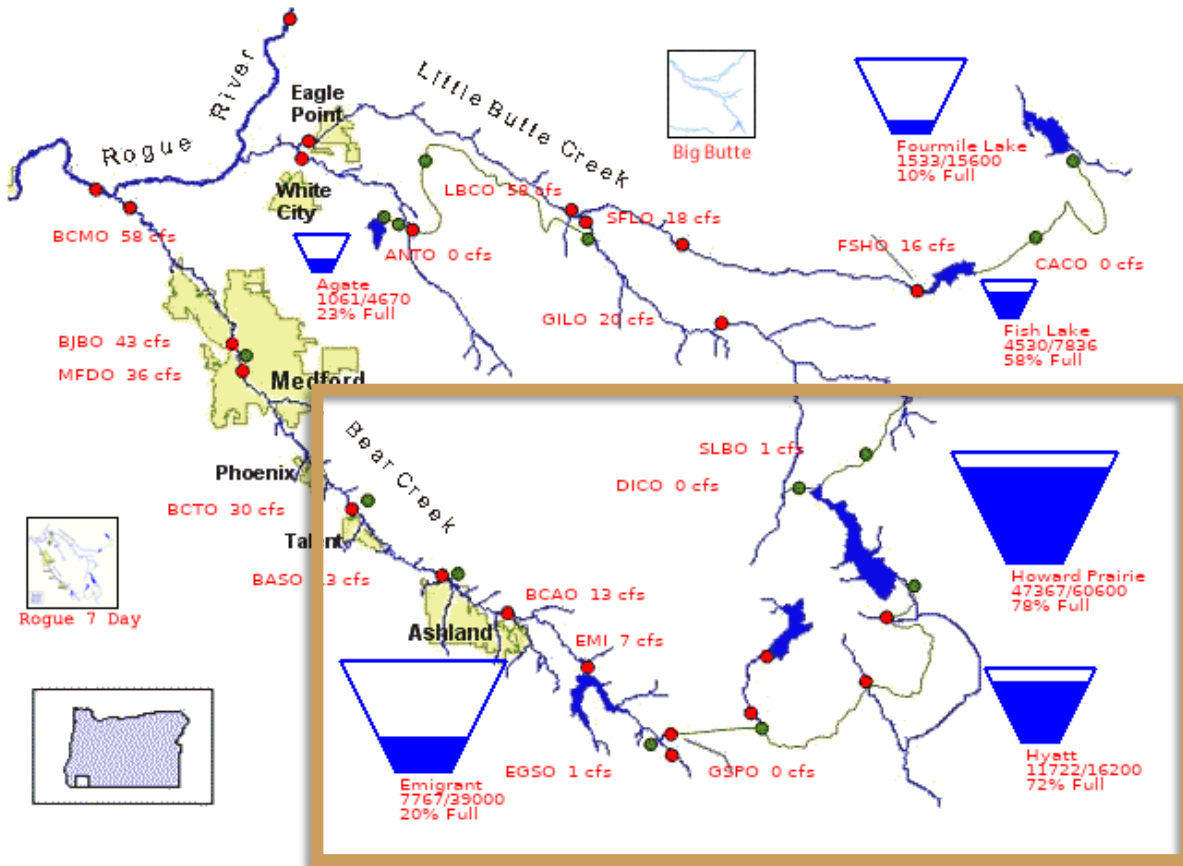
Crooked River Basin

11/18/2025



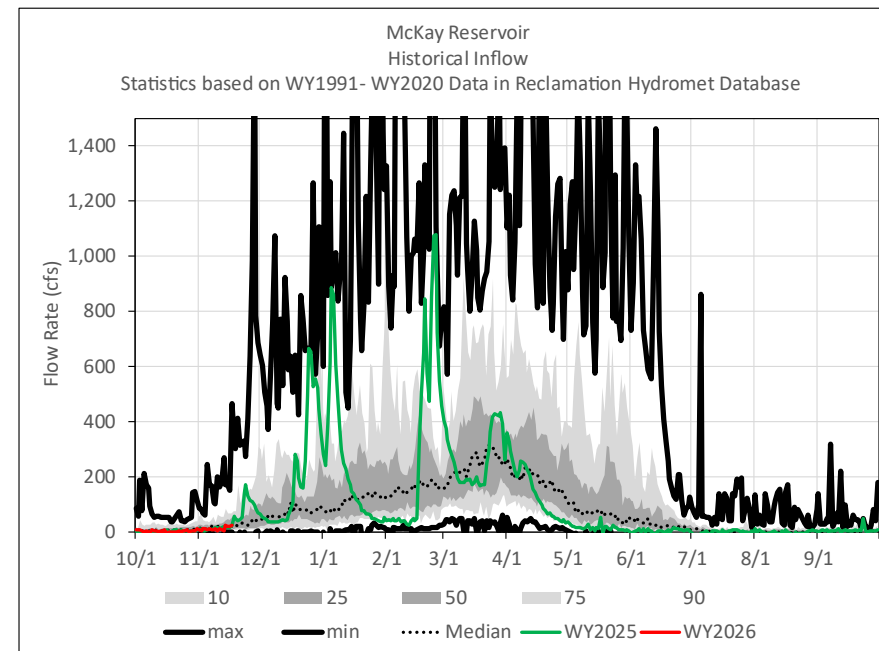
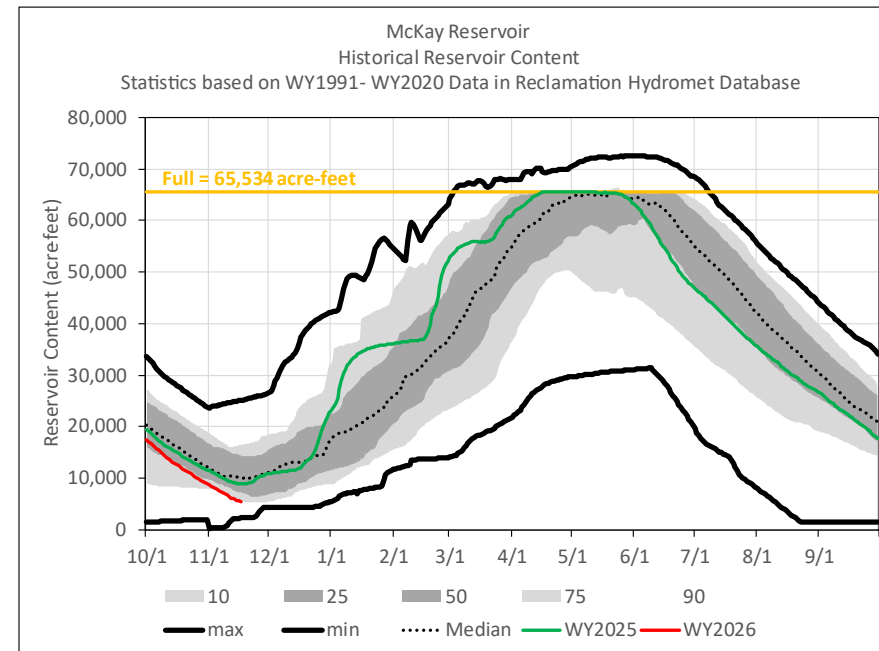
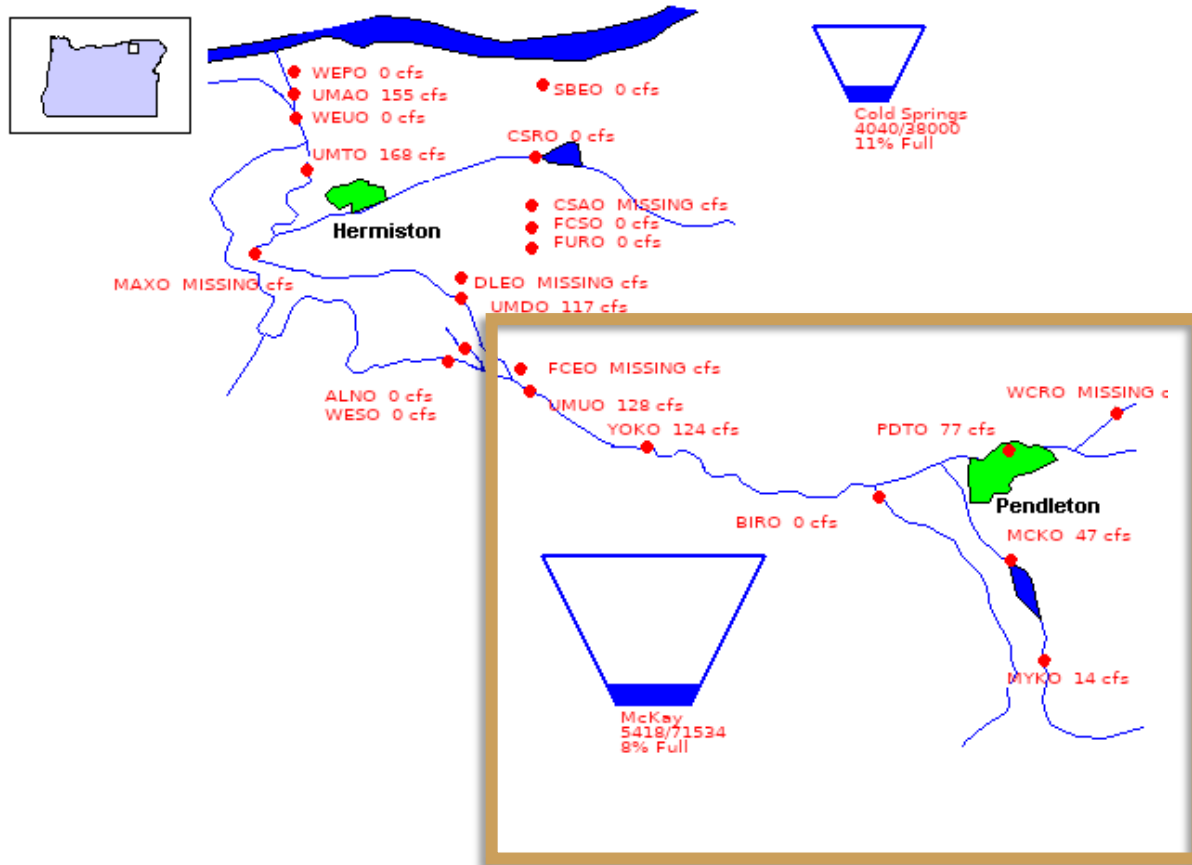
Rogue River Basin

11/18/2025



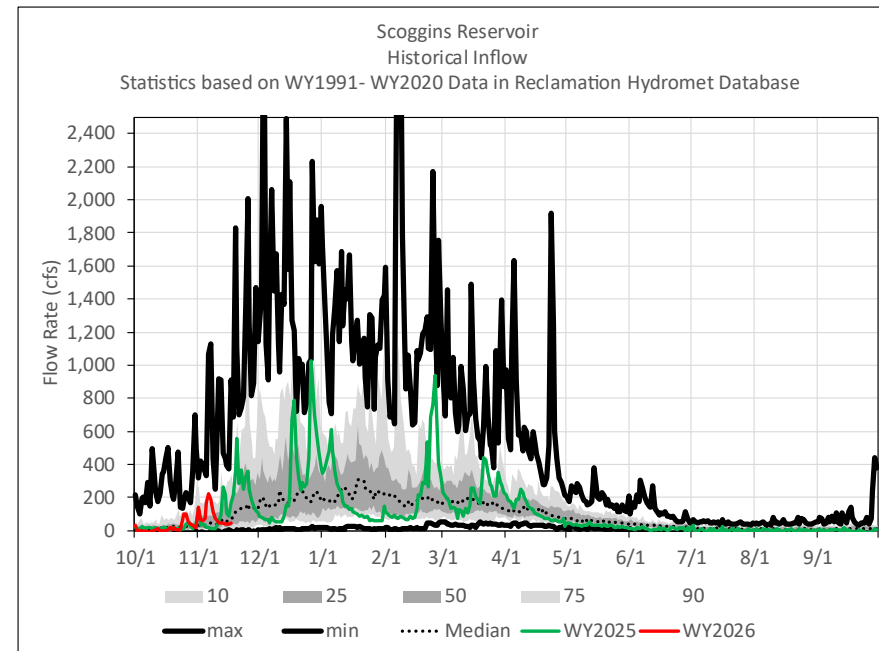
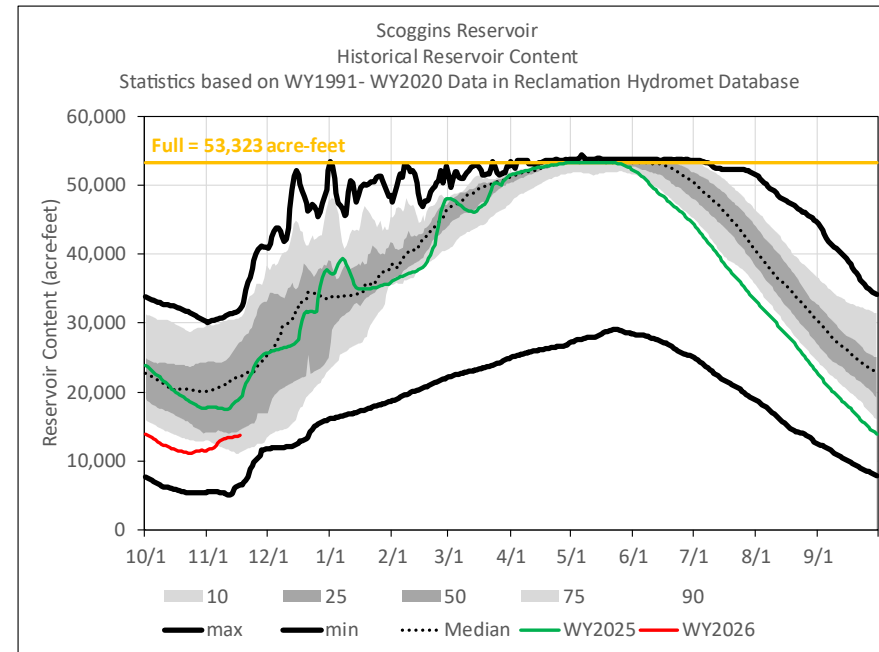
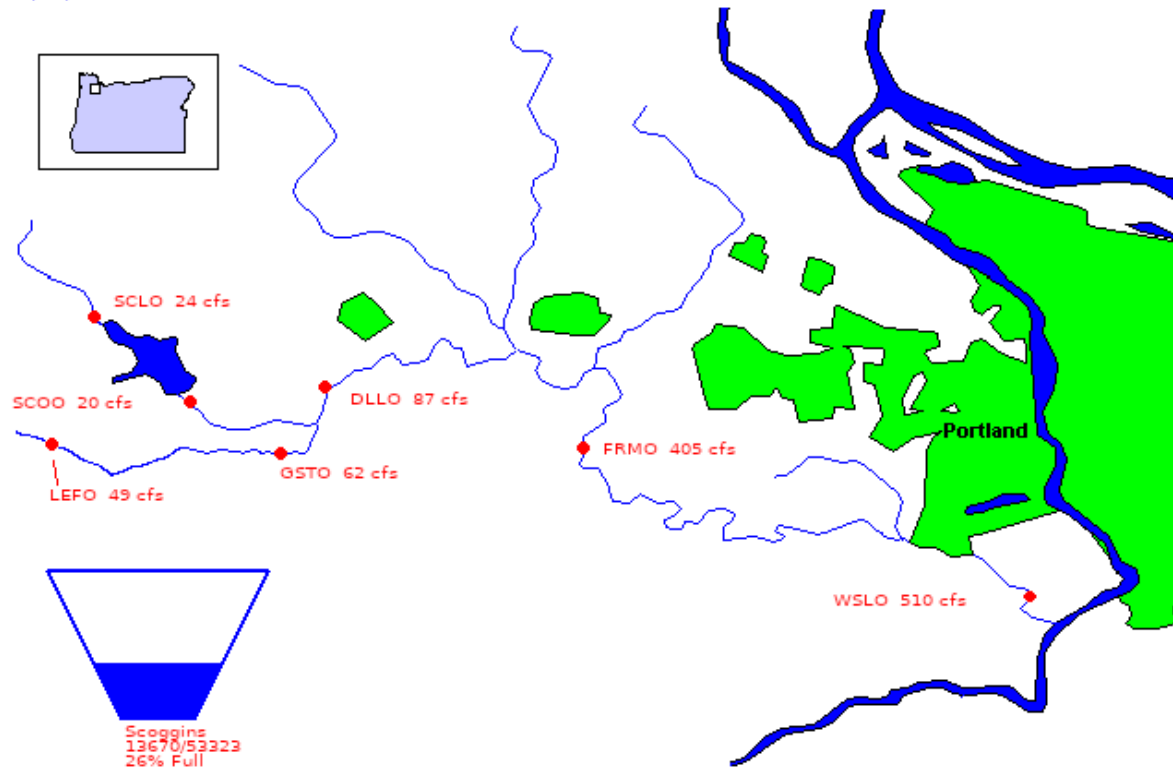
Umatilla River Basin

11/18/2025



Tualatin River Basin

11/18/2025



Corinne Horner– Columbia Pacific Northwest Regional Office

chorner@usbr.gov

208.378.6213



— BUREAU OF —
RECLAMATION