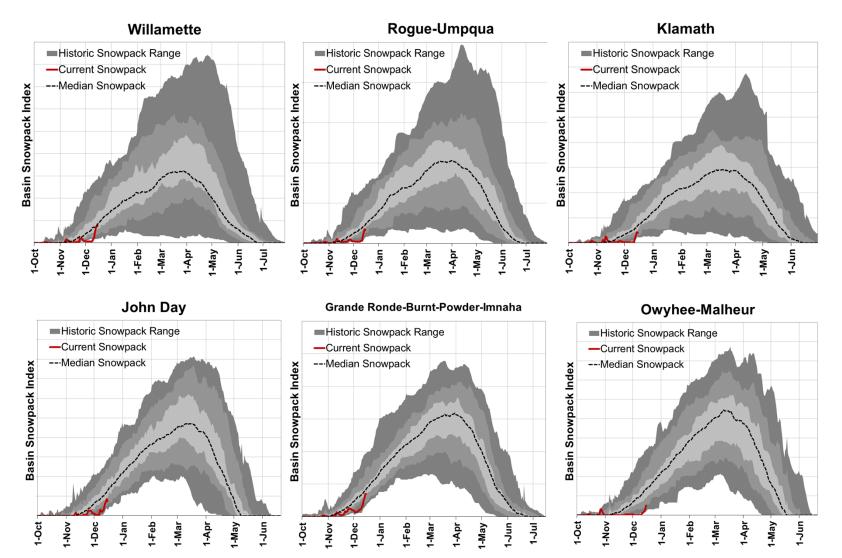
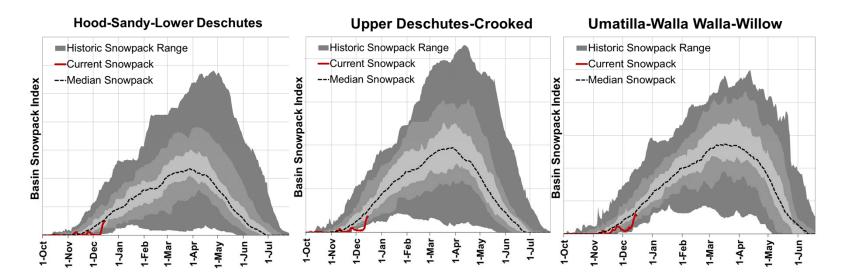
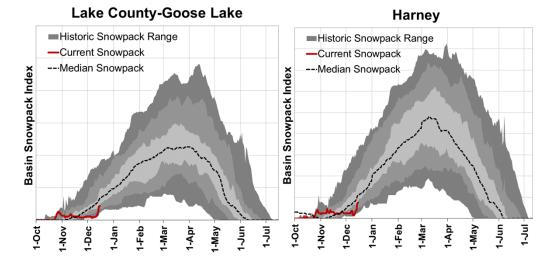


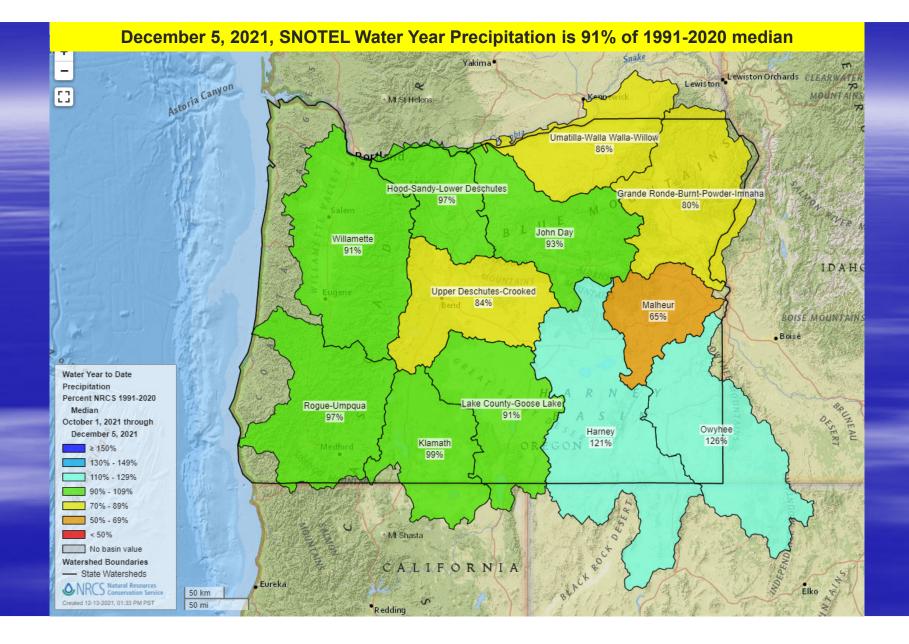
#### **OREGON SNOWPACK GRAPHS – December 14, 2021**

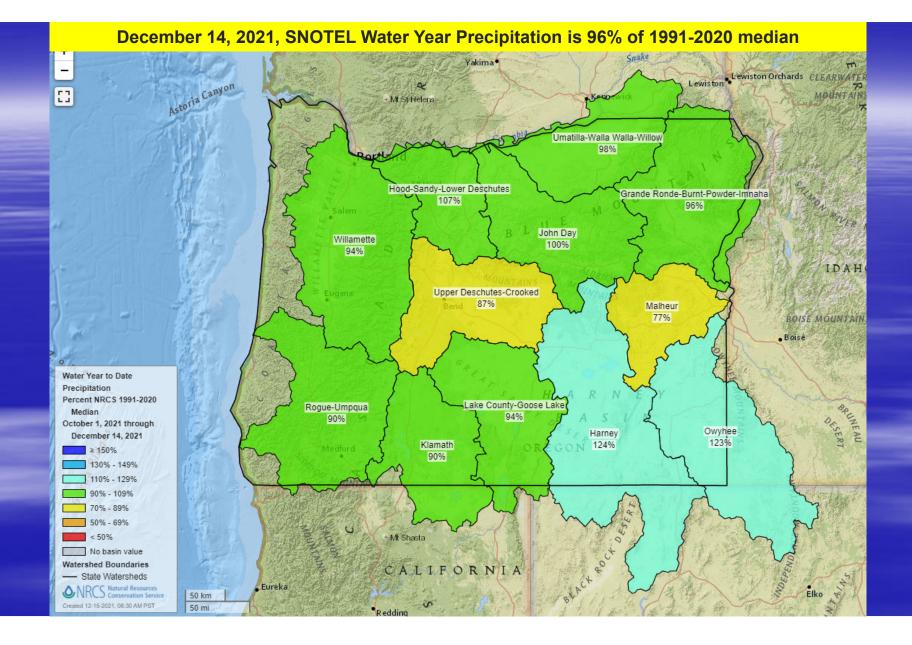


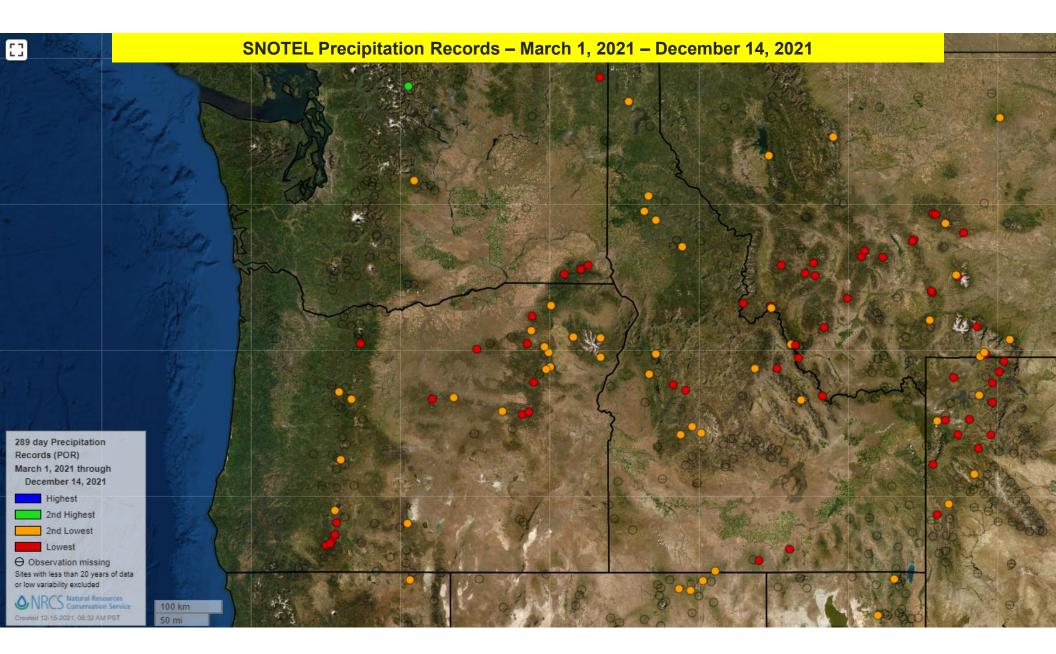
#### **OREGON SNOWPACK GRAPHS – December 14, 2021**













### Thank you

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### 🛞 ΤΟΥΟΤΑ 🔇

## December 2021 Update for Precipitation, Temperatures, and Hydrological Conditions

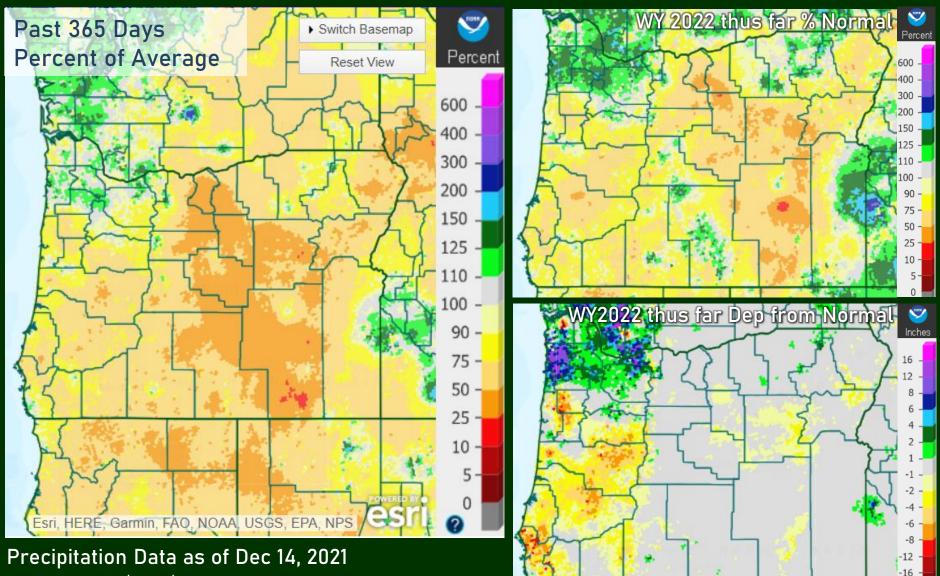
Andy Bryant Service Hydrologist NOAA/NWS Portland Weather Forecast Office

Mt. Hood Meadows Live Cam





## Precipitation

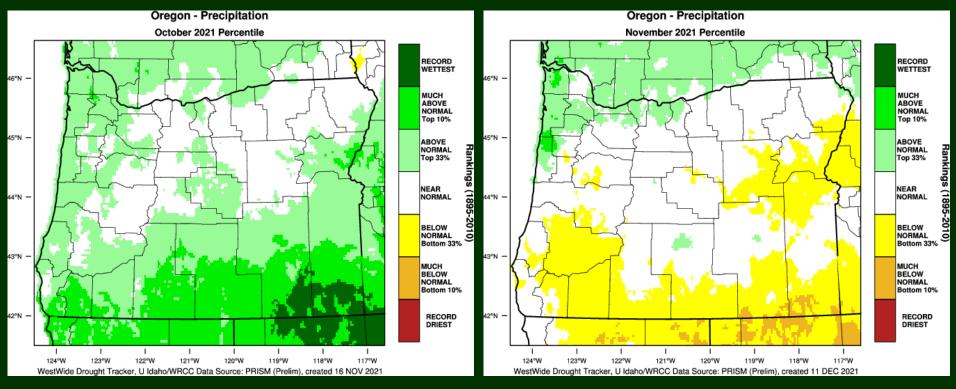


water.weather.gov/precip/index.php

## Precipitation – Percentile / Ranking

### October

### November



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

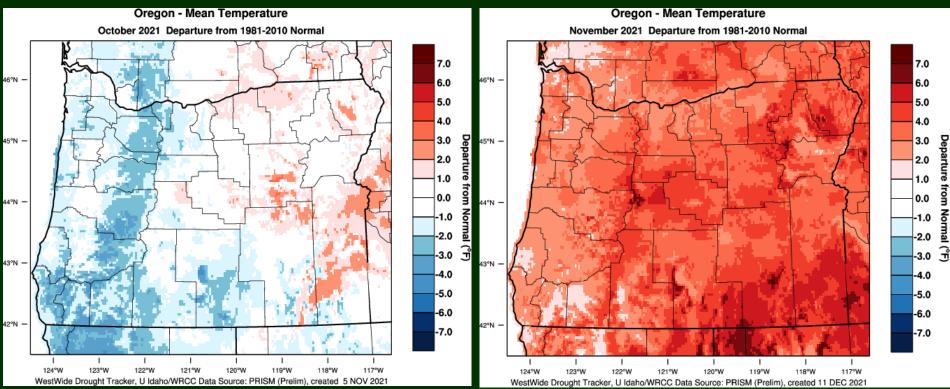
NOAA



## **Recent Temperatures**

### October

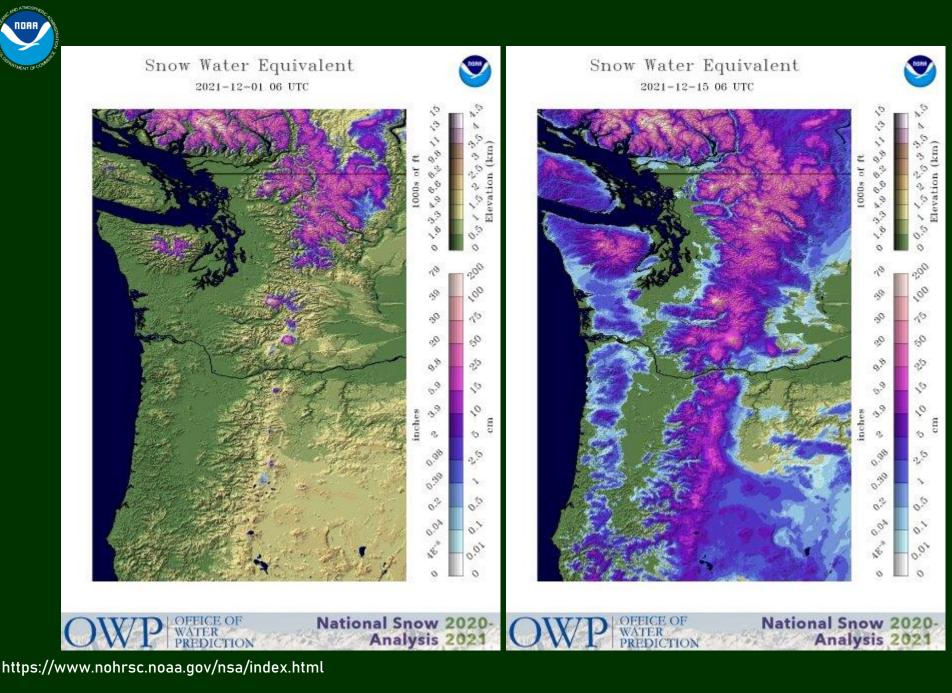
### November



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

2/9/2022

#### weather.gov/portland & www.nwrfc.noaa.gov

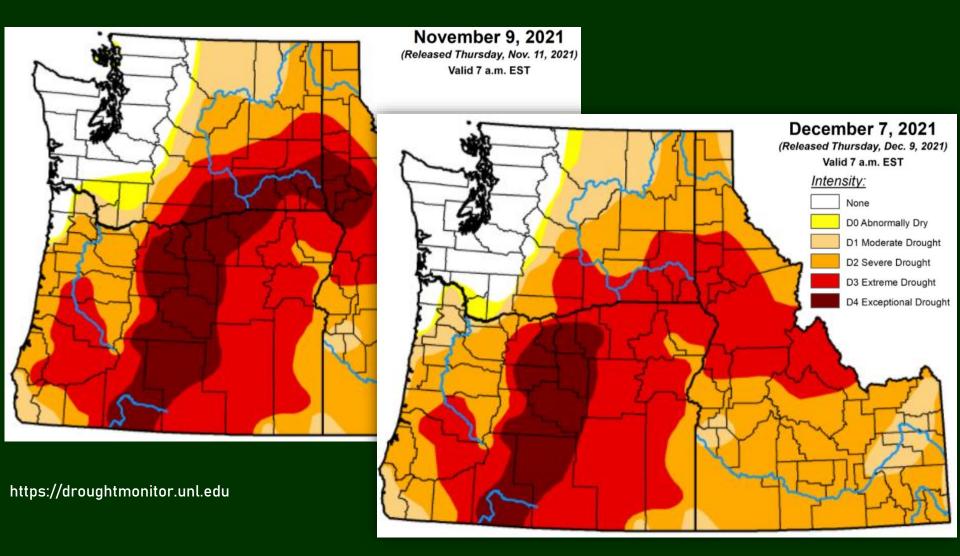


2/9/2022

#### weather.gov/portland & www.nwrfc.noaa.gov

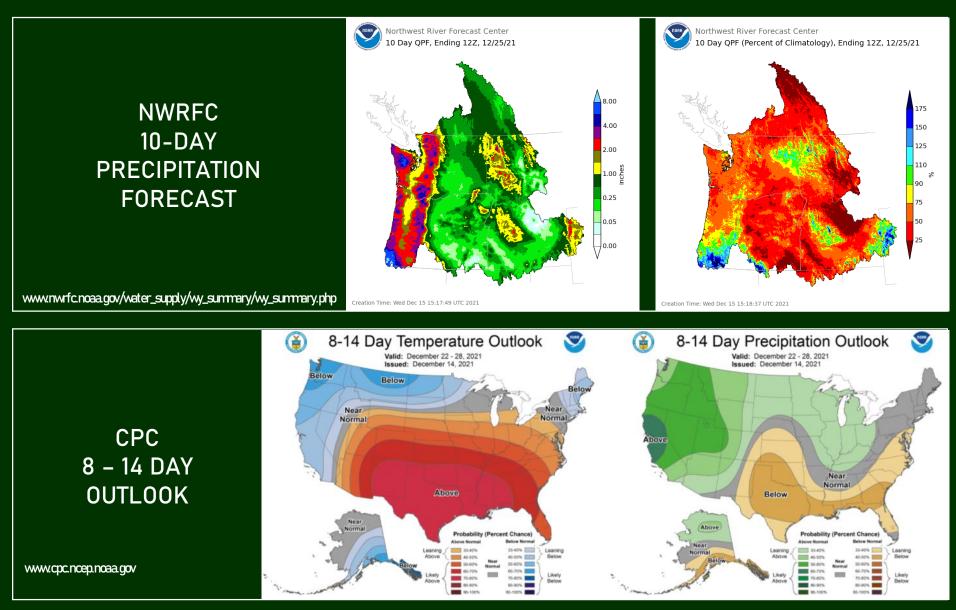


## **Drought Monitor**





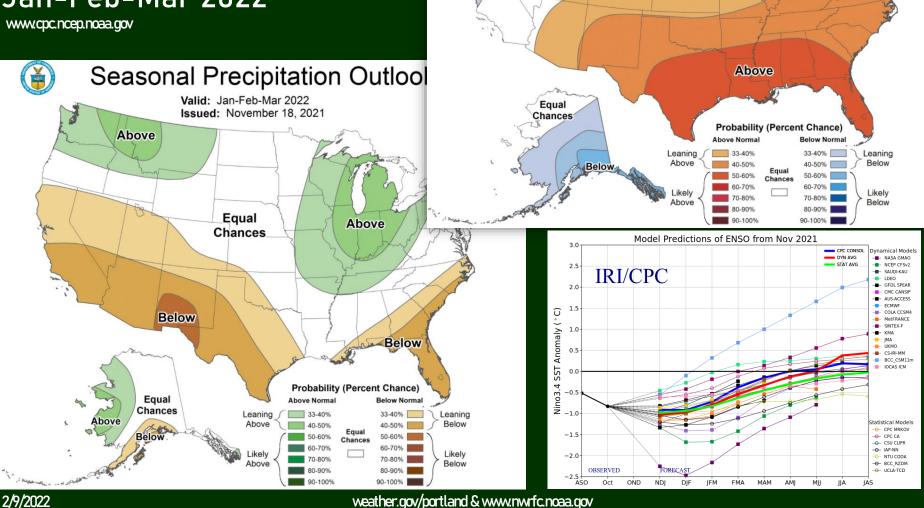
## Mid December Outlook





### **Climate Prediction** Center Outlook Jan-Feb-Mar 2022

www.cpc.ncep.noaa.gov



Seasonal Temperature Outlook

Valid: Jan-Feb-Mar 2022 Issued: November 18, 2021

Below

FR

Equal Chances

weather.gov/portland & www.nwrfc.noaa.gov

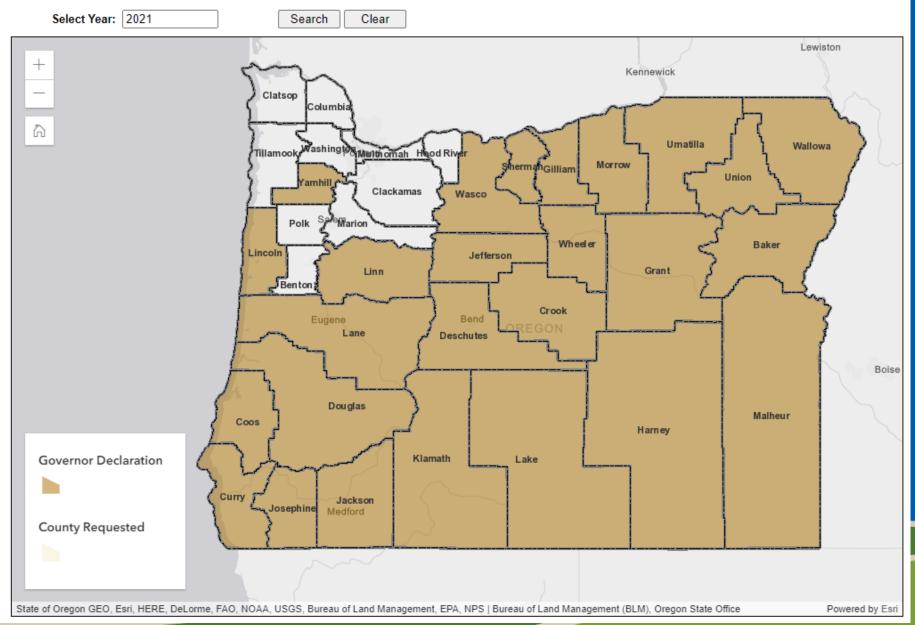
NOAA,

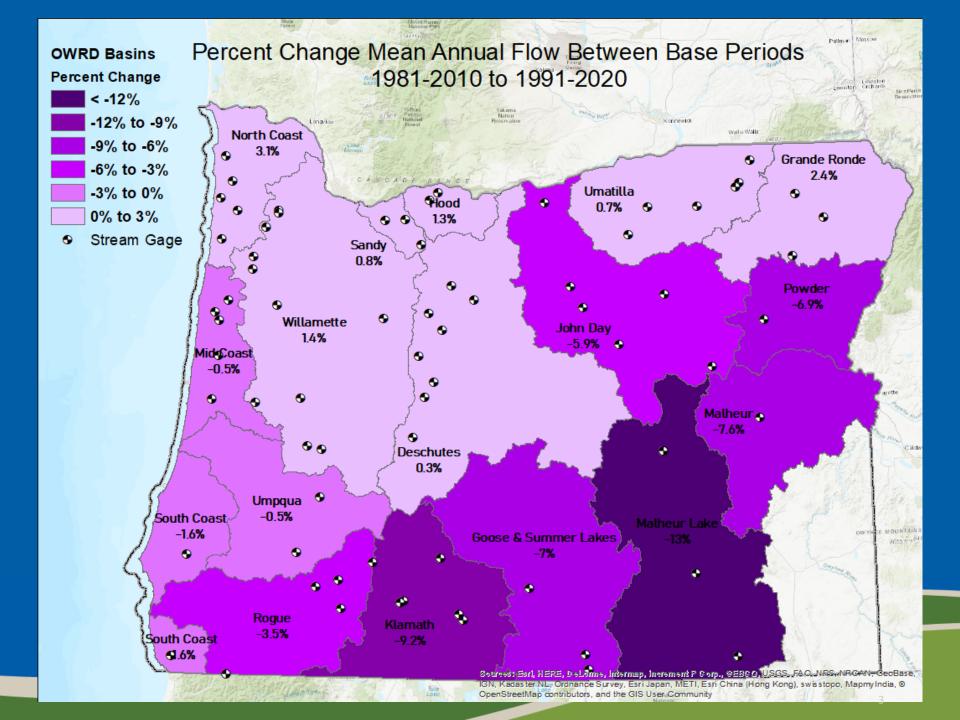
Above

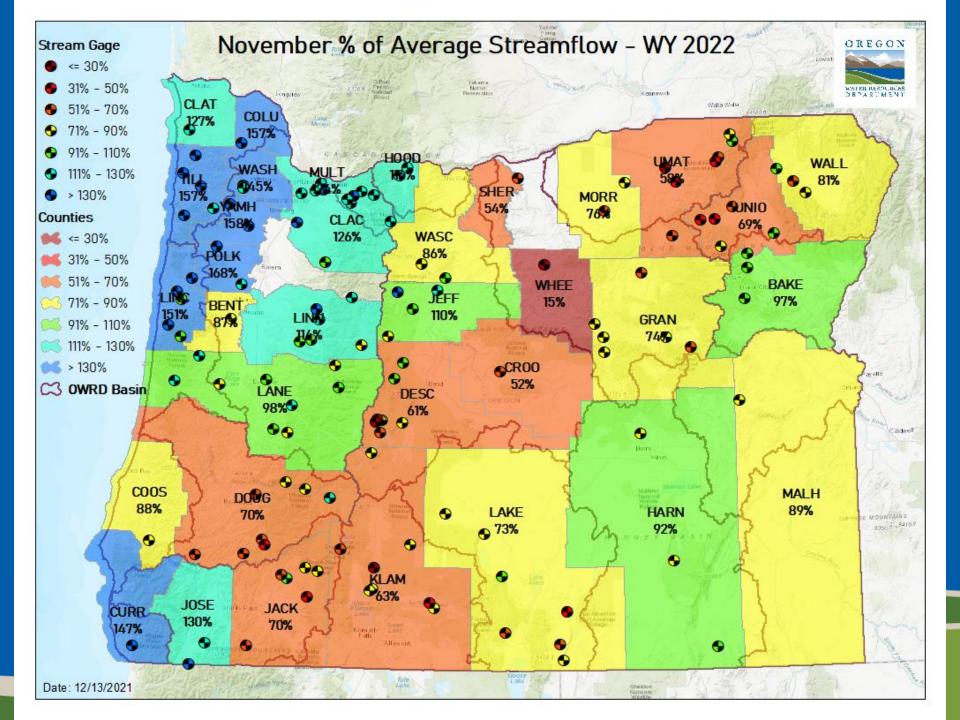
### Water Supply Availability Committee Ryan Andrews December 15<sup>th</sup>, 2021



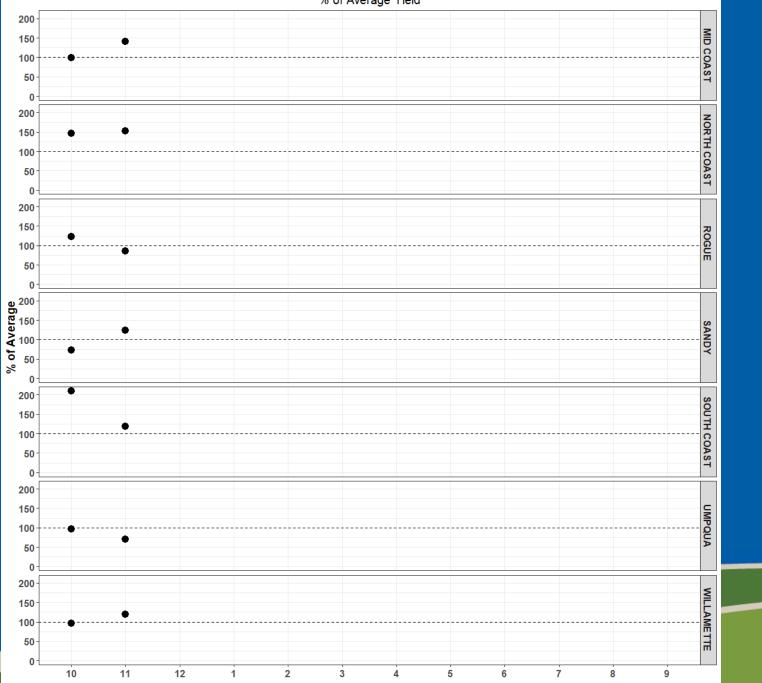
#### **Drought Declaration Status Map**

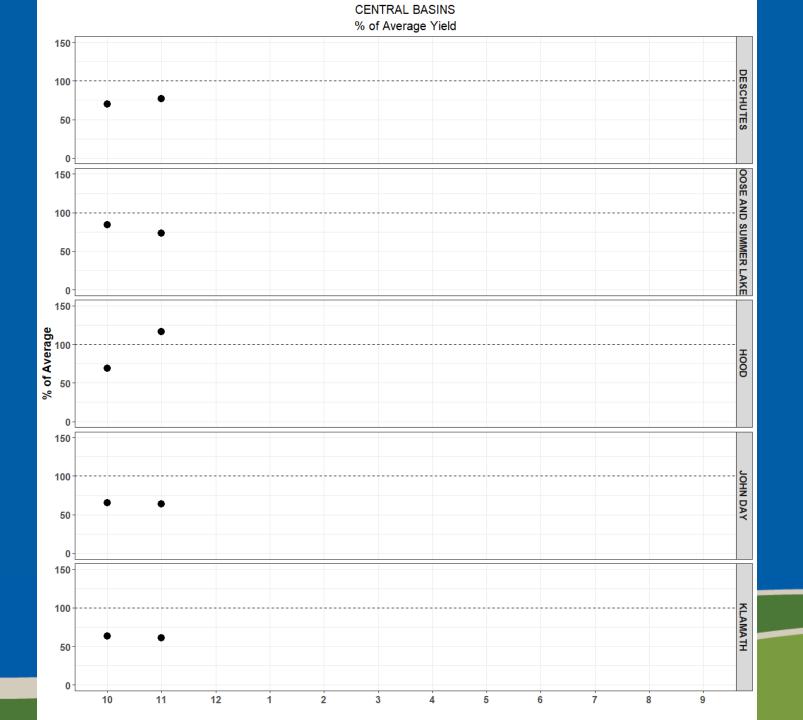


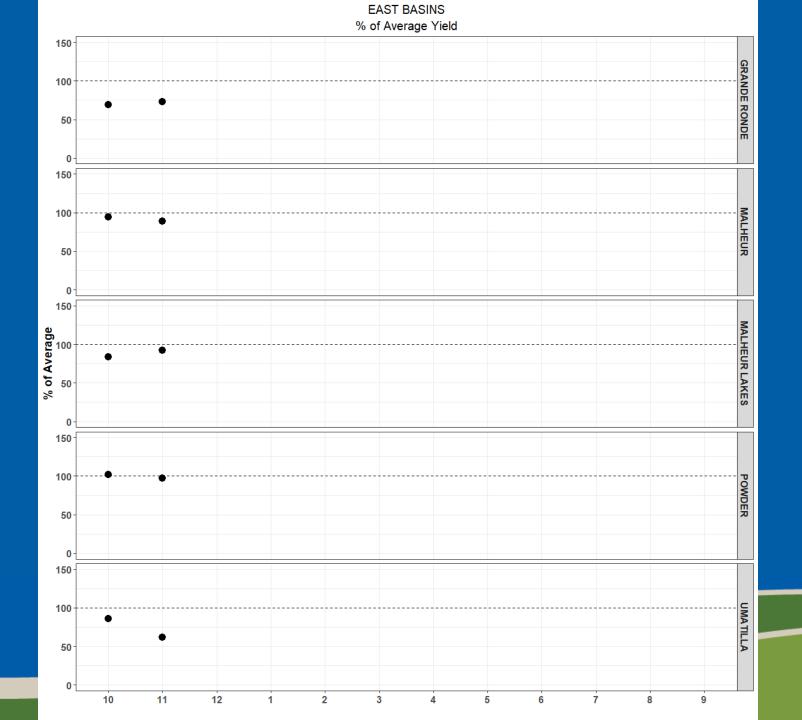


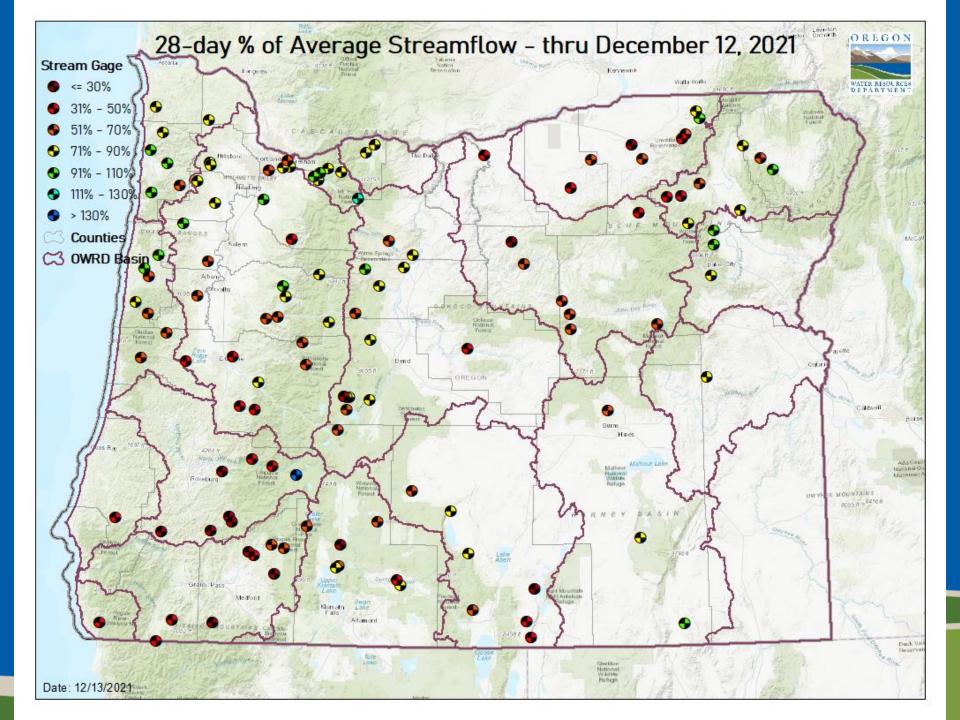


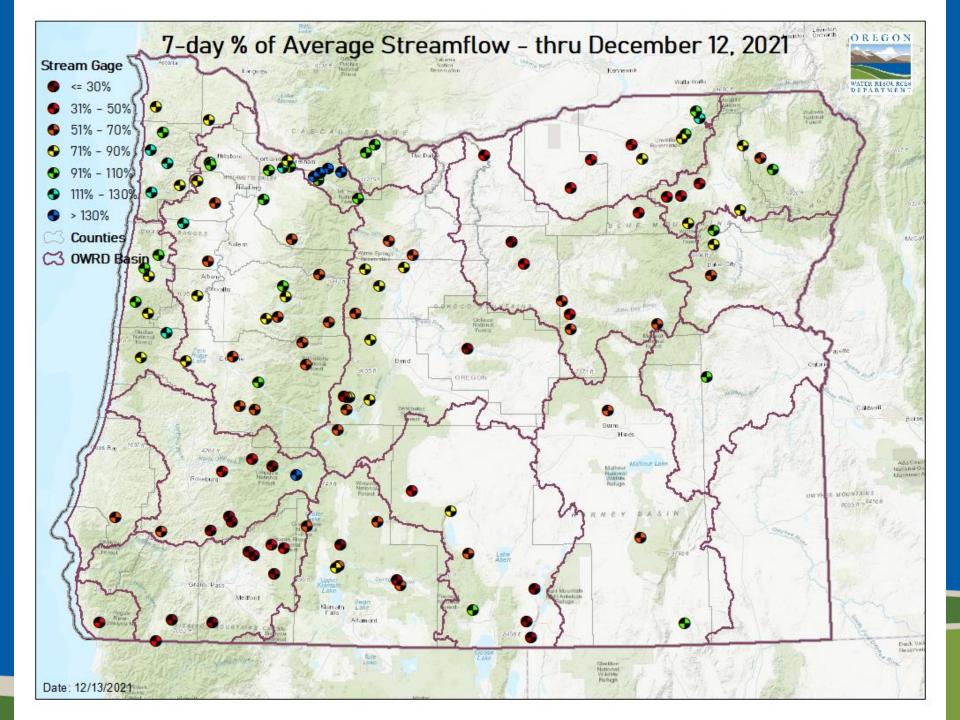
#### WESTERN BASINS % of Average Yield

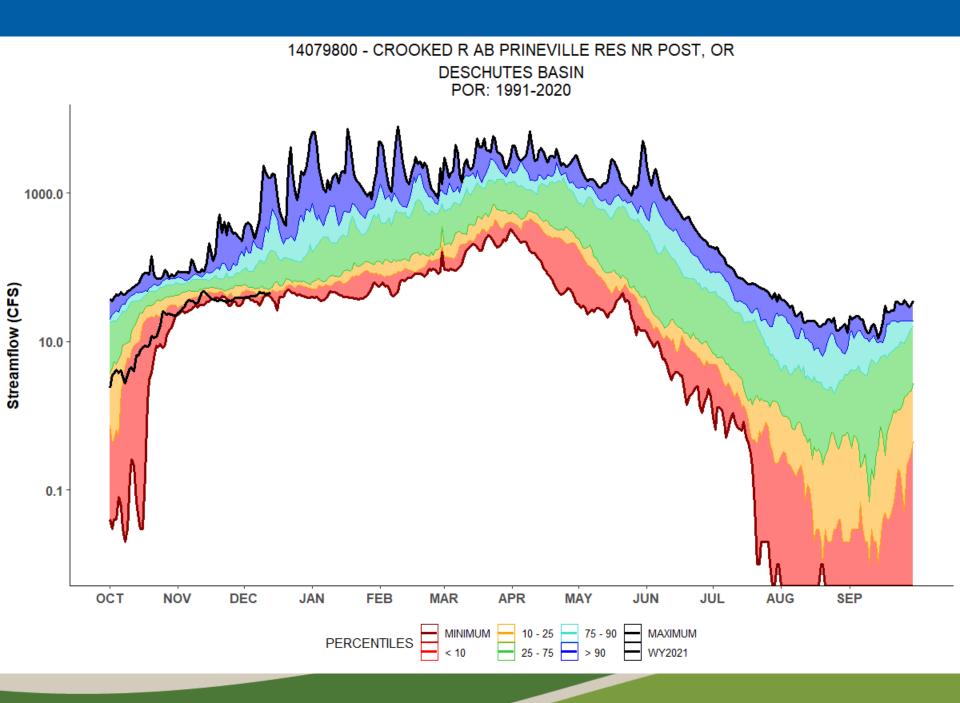


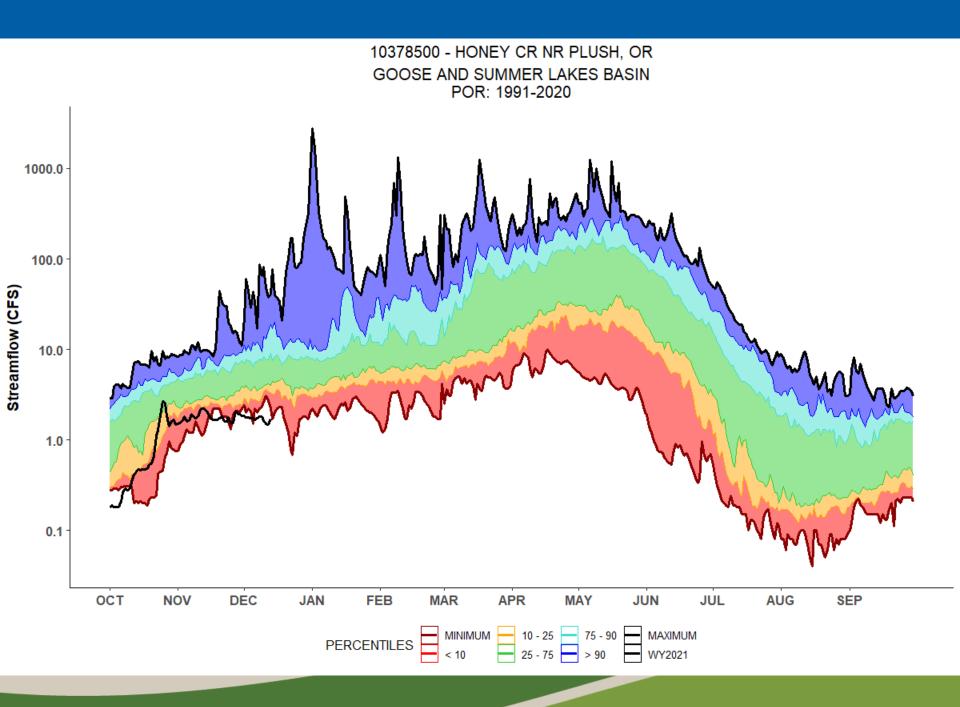


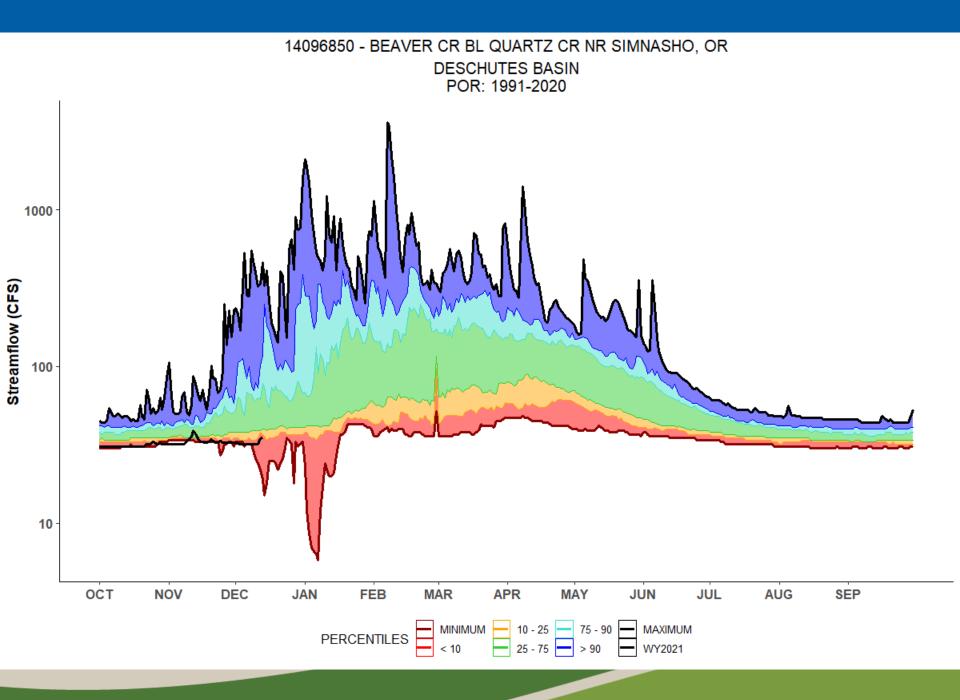


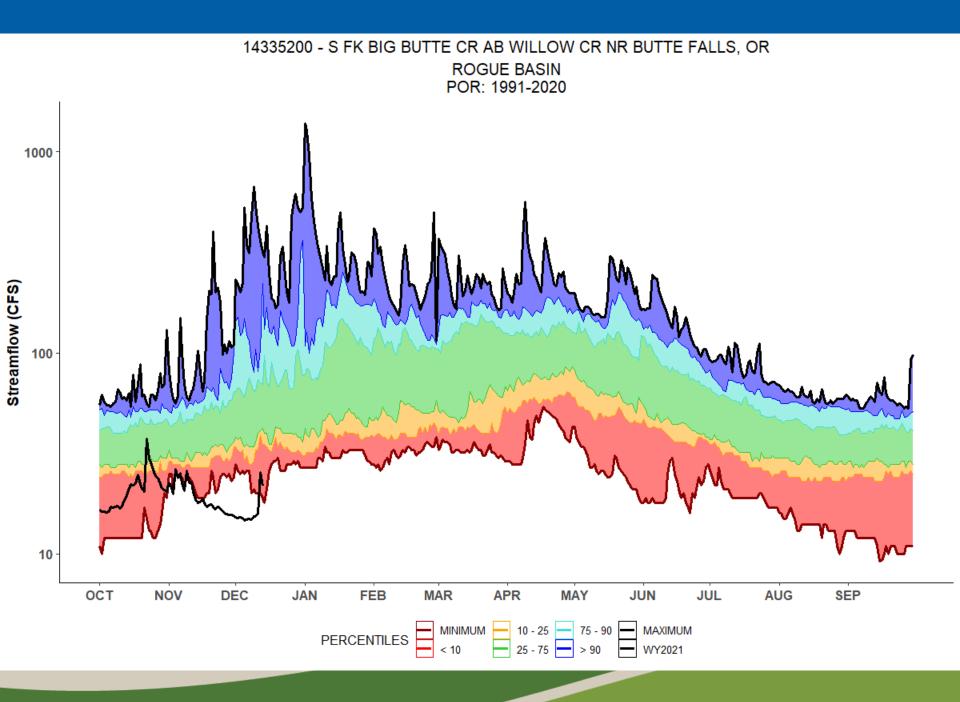


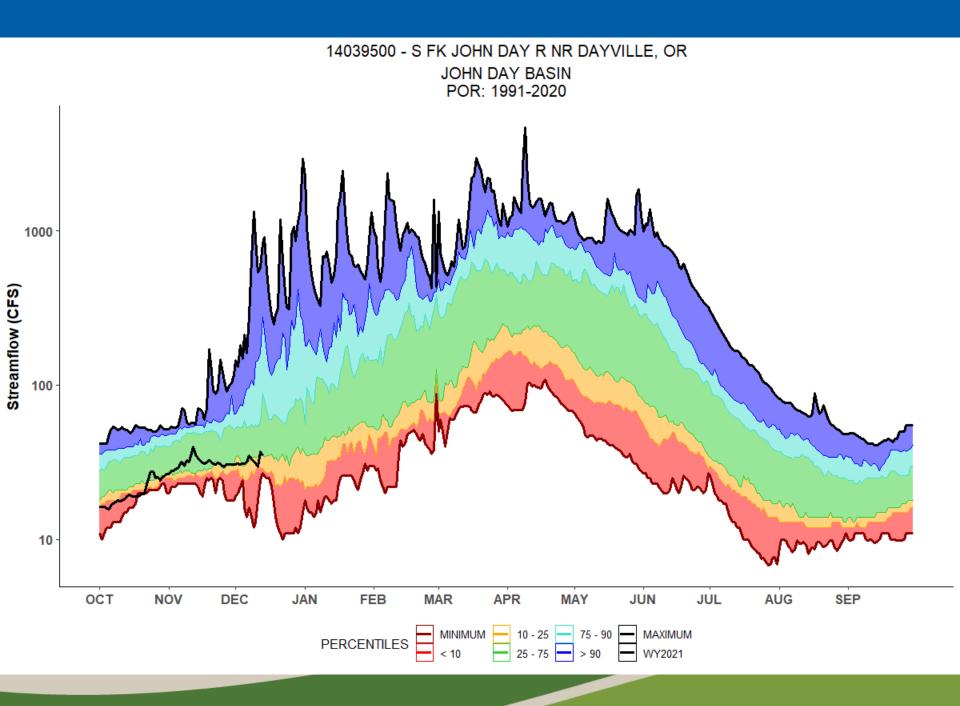














### OREGON



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

## **QUESTIONS?**

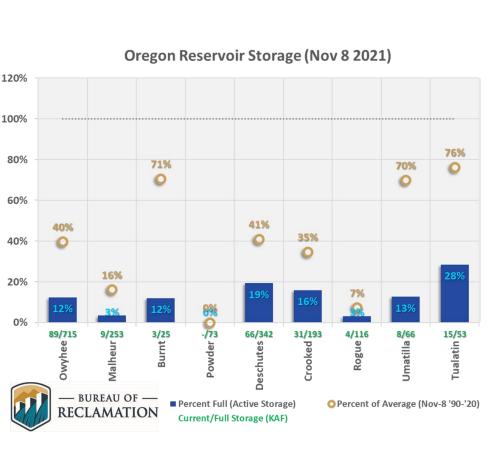


# **Reclamation Storage Update**

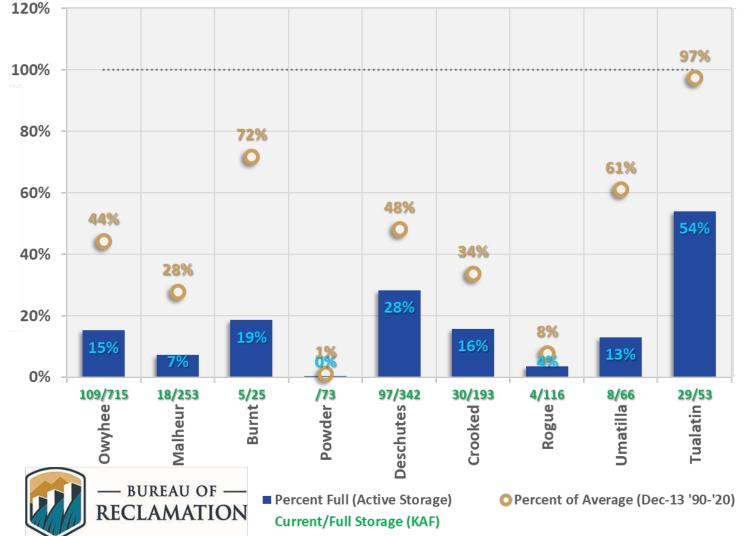
Oregon Water Supply Availability Committee Meeting

December 15, 2021

# **Storage Conditions**



**Oregon Reservoir Storage (Dec 13 2021)** 

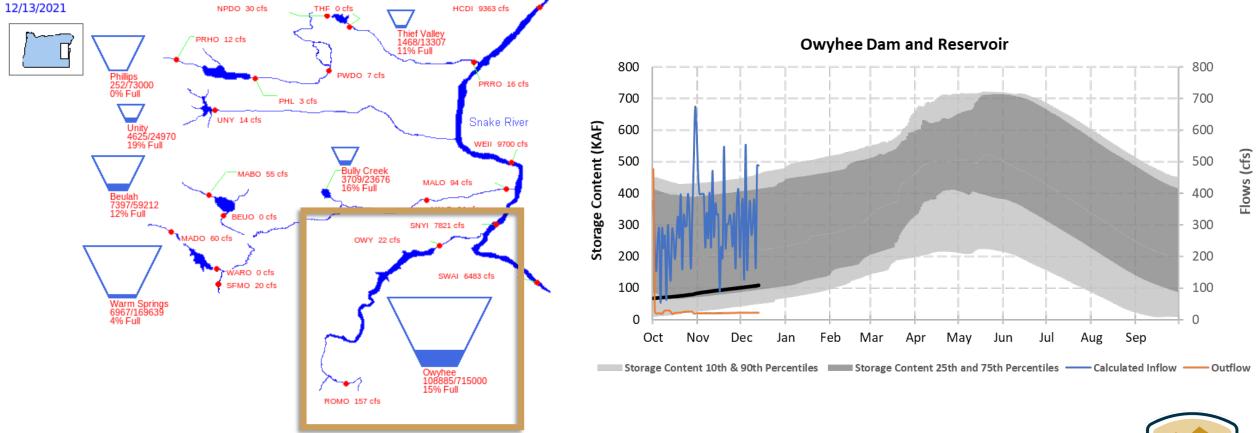


# **Basin Operations Summary**

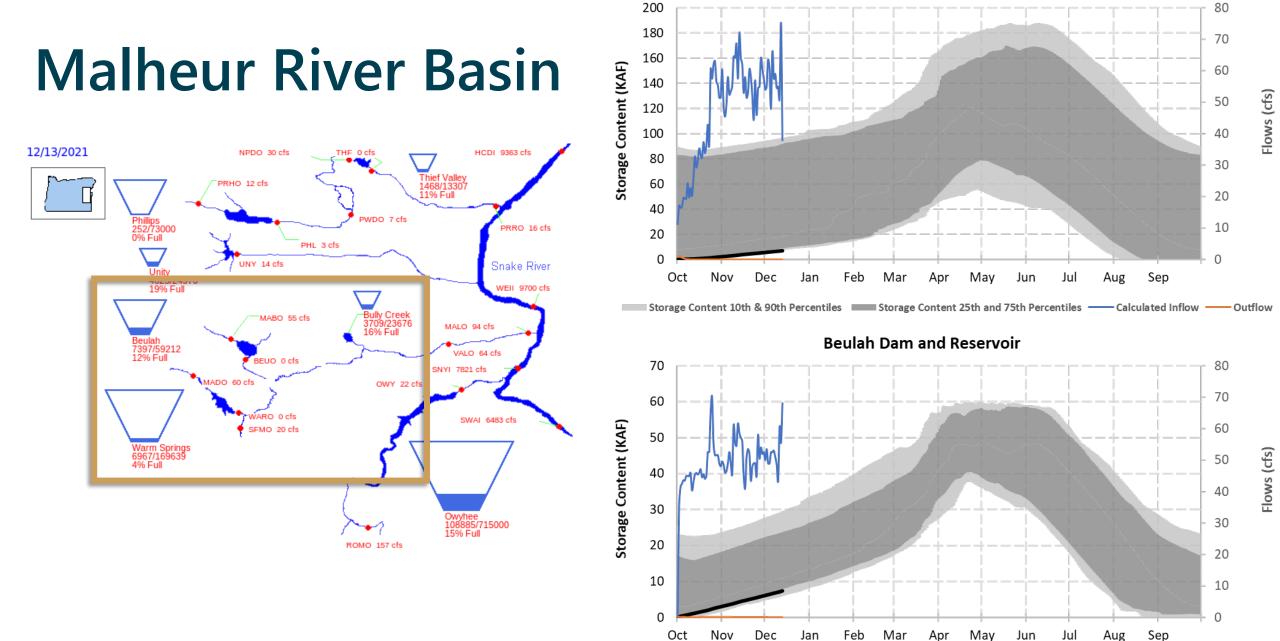
- Operations Activities:
  - All Oregon projects continue with typical winter operations Storage Season
  - Flood Risk Management operations could begin at Scoggins in the next week
- Water Supply Notes
  - Below Average reservoir content continues at Reclamation Oregon reservoirs (except Scoggins)
  - Need wet conditions to continue, particularly in the southern Oregon basins
  - Most river basins will need above to much above normal runoff this WY to refill



## **Owyhee River Basin**

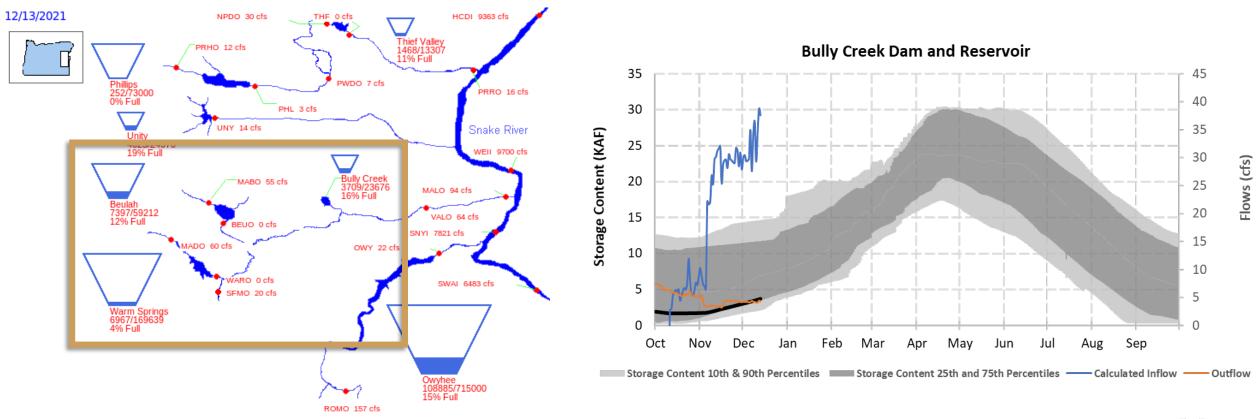






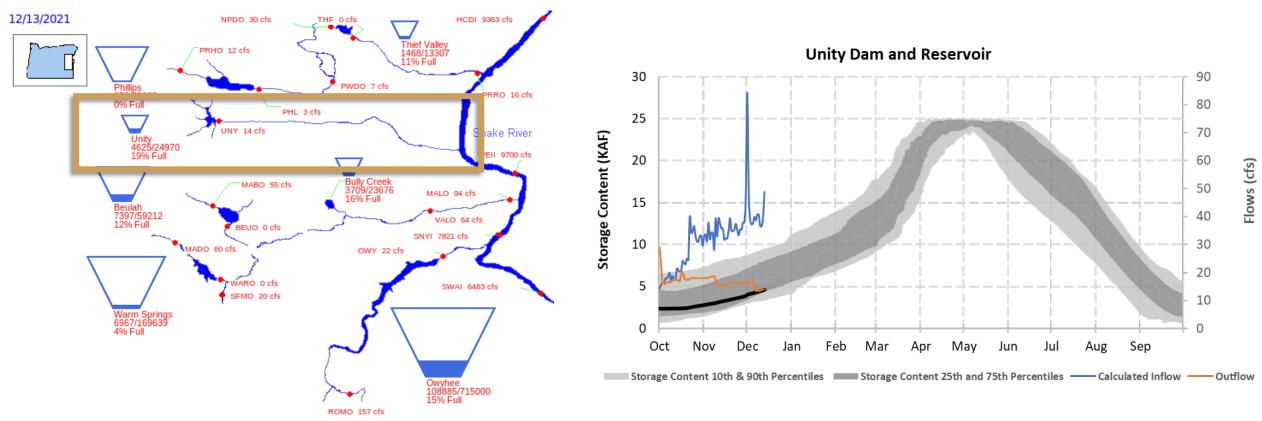
Warm Springs Dam and Reservoir

## **Malheur River Basin**



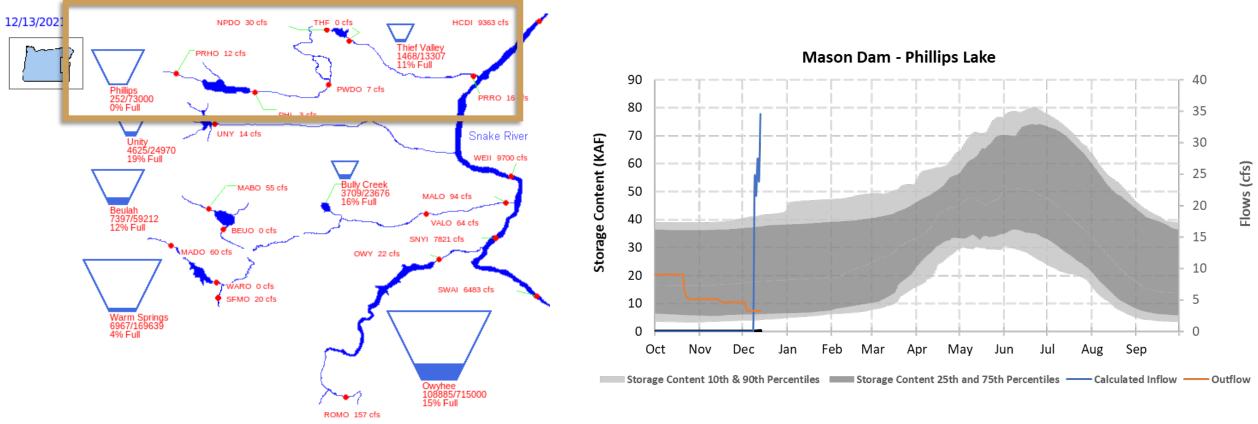


### **Burnt River Basin**

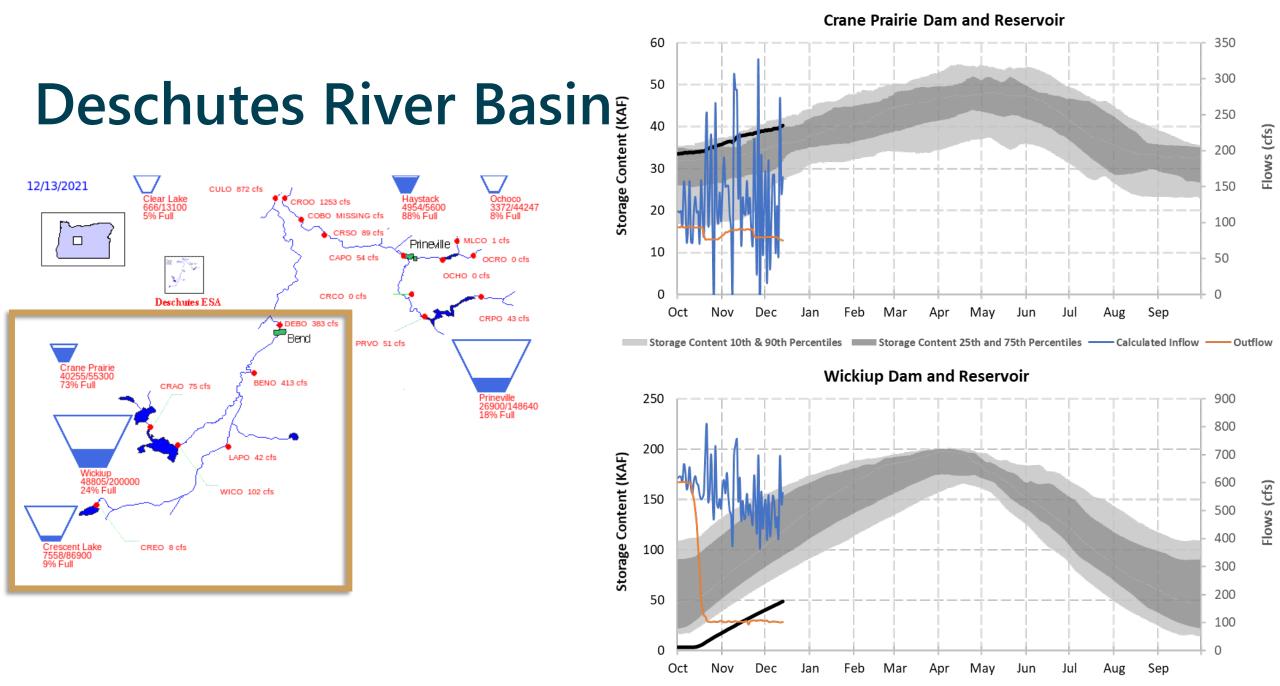




### **Powder River Basin**

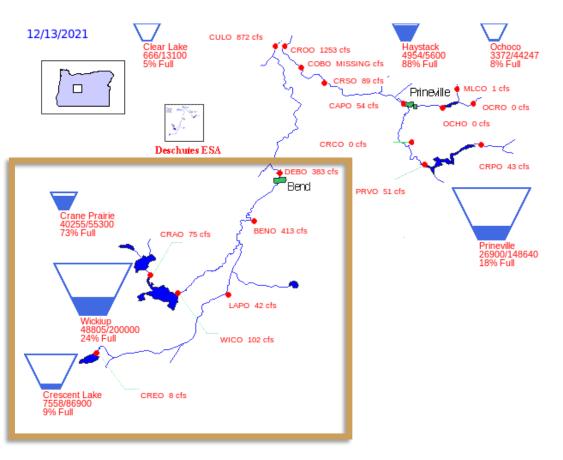


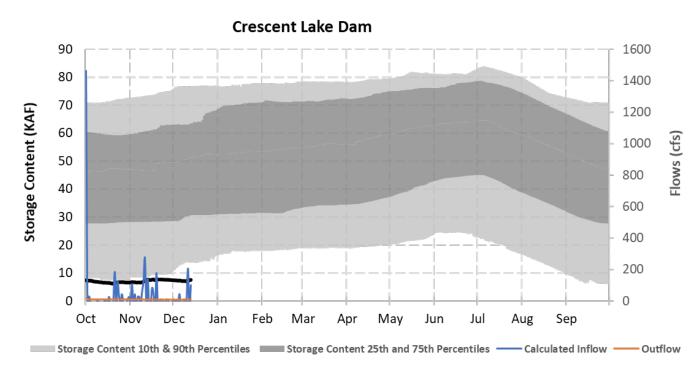




\*Graphed projections are the 10<sup>th</sup>, 50<sup>th</sup>, and 90<sup>th</sup> percentile storage values based on historical inflows and outflows

## **Deschutes River Basin**







0

\*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**

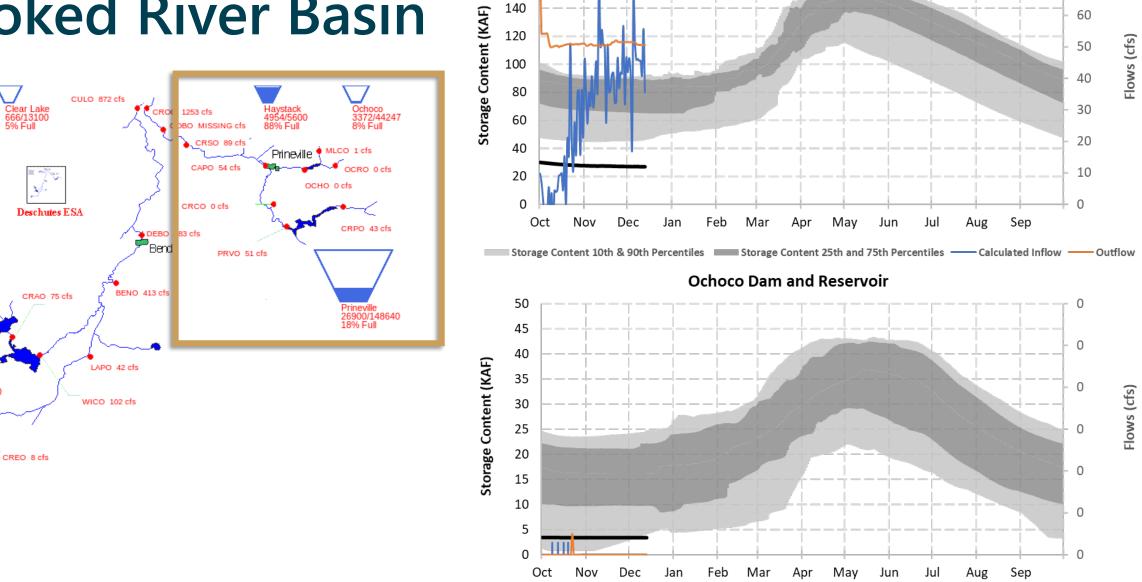
12/13/2021

Crane Prairie 40255/55300 73% Full

rescent Lake

7558/86900 9% Full

CREO 8 cfs



180

160

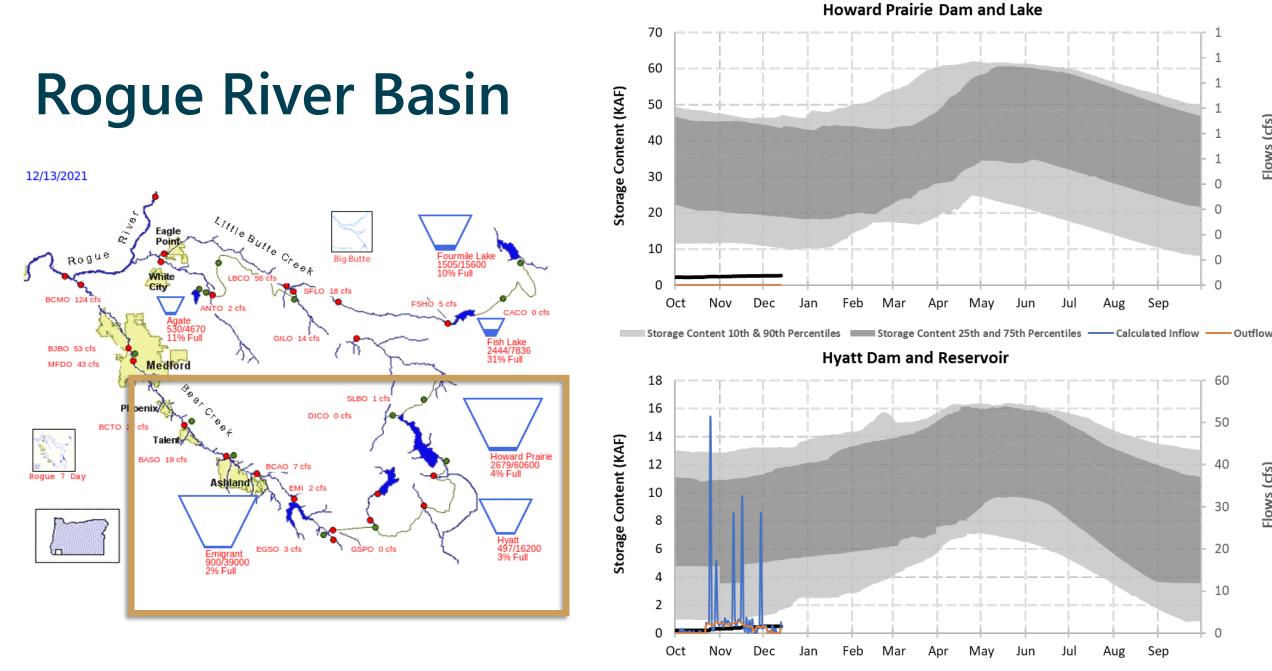
**Bowman Dam - Prineville Reservoir** 

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

80

70

Outflow



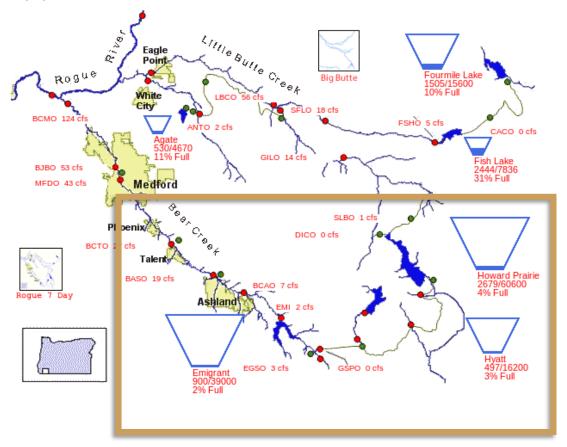
Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles Calculated Inflow - Outflow

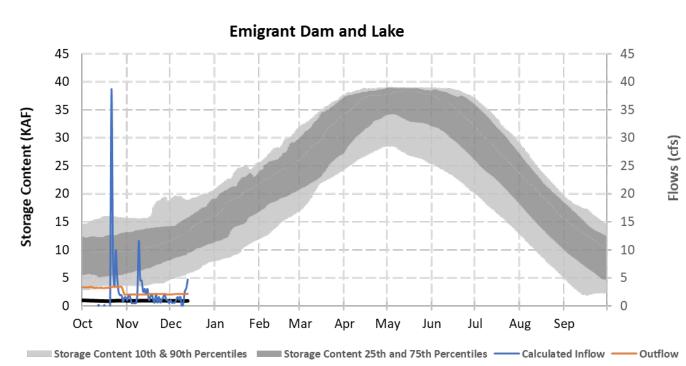
Flows (cfs)

Flows (cfs)

## **Rogue River Basin**

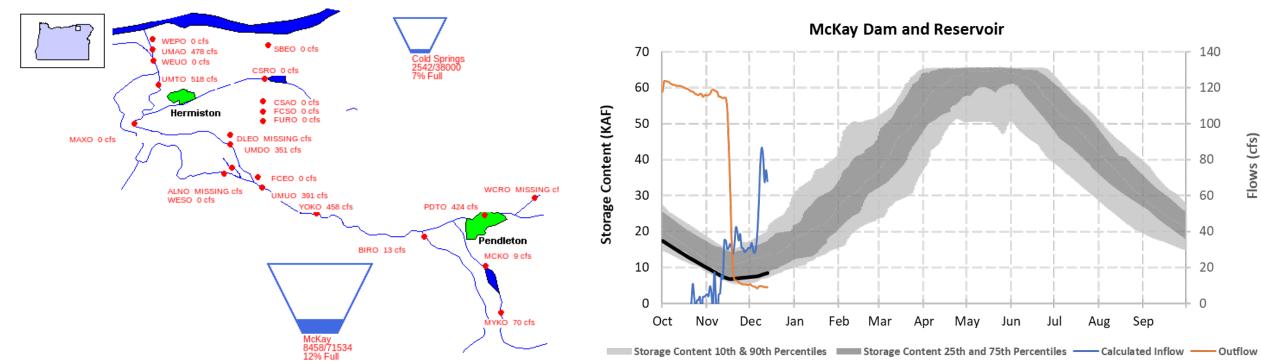
12/13/2021





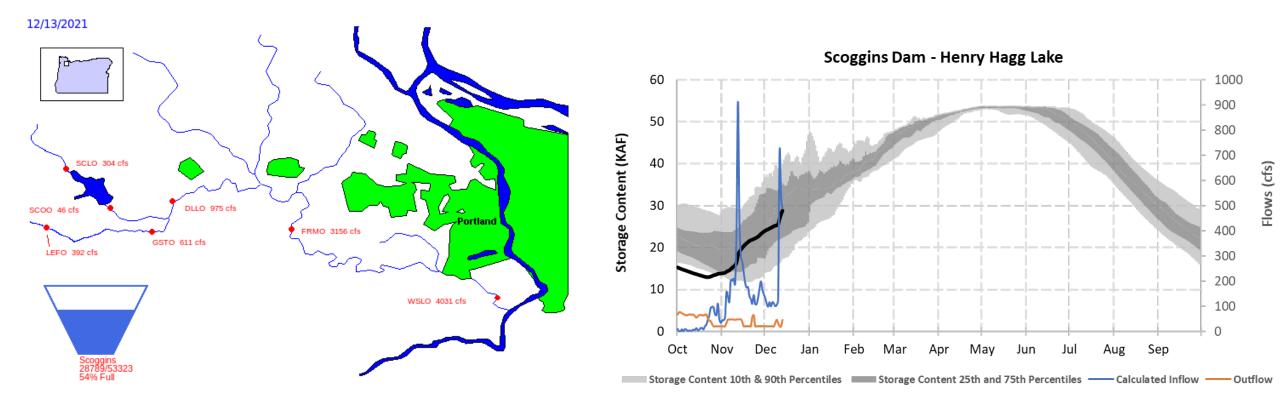
#### **Umatilla River Basin**

12/13/2021





#### **Tualatin River Basin**





Peter Cooper – Columbia Pacific Northwest Regional Office pcooper@usbr.gov 208.378.5037

— BUREAU OF — RECLAMATION