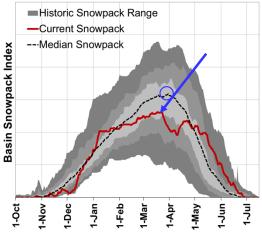
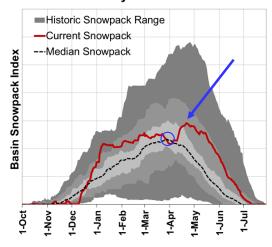


Grande Ronde-Burnt-Powder-Imnaha



Hood-Sandy-Lower Deschutes



Near-Normal Peak Date Below Median

John Day Peak Snowpack was on March 11 at 80% of Normal Median peak (March 17).

Near-Normal Peak Date Below Median

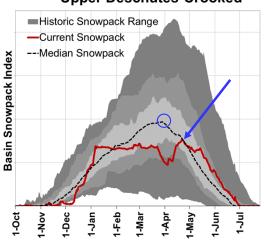
Grande Ronde-Burnt-Powder-Imnaha Peak Snowpack was on March 23 at 82% of Normal Median peak (March 30).

Late Peak - Above Median

Hood-Sandy-Lower Deschutes Peak Snowpack was on <u>April 21</u> at 124% of Normal Median peak (<u>March 28</u>).



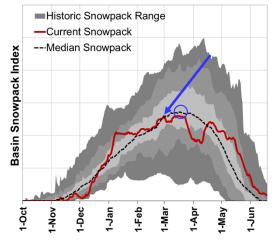
Upper Deschutes-Crooked



Late Peak - Below Median

Upper Deschutes-Crooked Peak Snowpack was on <u>April 23</u> at 78% of Normal Median peak (<u>March 28</u>).

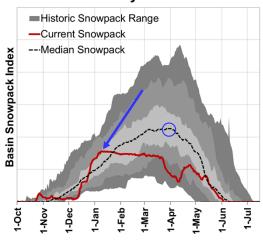
Umatilla-Walla Walla-Willow



Near-Normal Peak

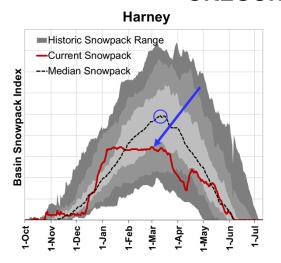
Umatilla-Walla Walla-Willow Peak Snowpack was on <u>March 1</u> at 95% of Normal Median peak (<u>March 18</u>).

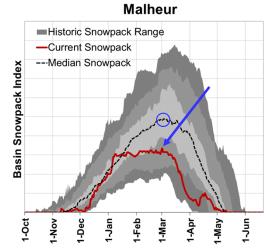
Lake County-Goose Lake

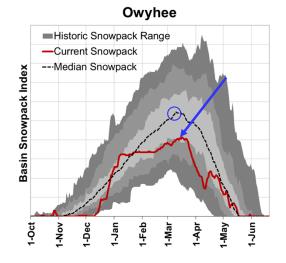


Early Peak - Below Median

Lake County-Goose Lake Peak Snowpack was on <u>January 9</u> at 68% of Normal Median peak (<u>March 28</u>).







Early Peak - Below Median

Harney Peak Snowpack was on February 28 at 70% of Normal Median peak (March 10).

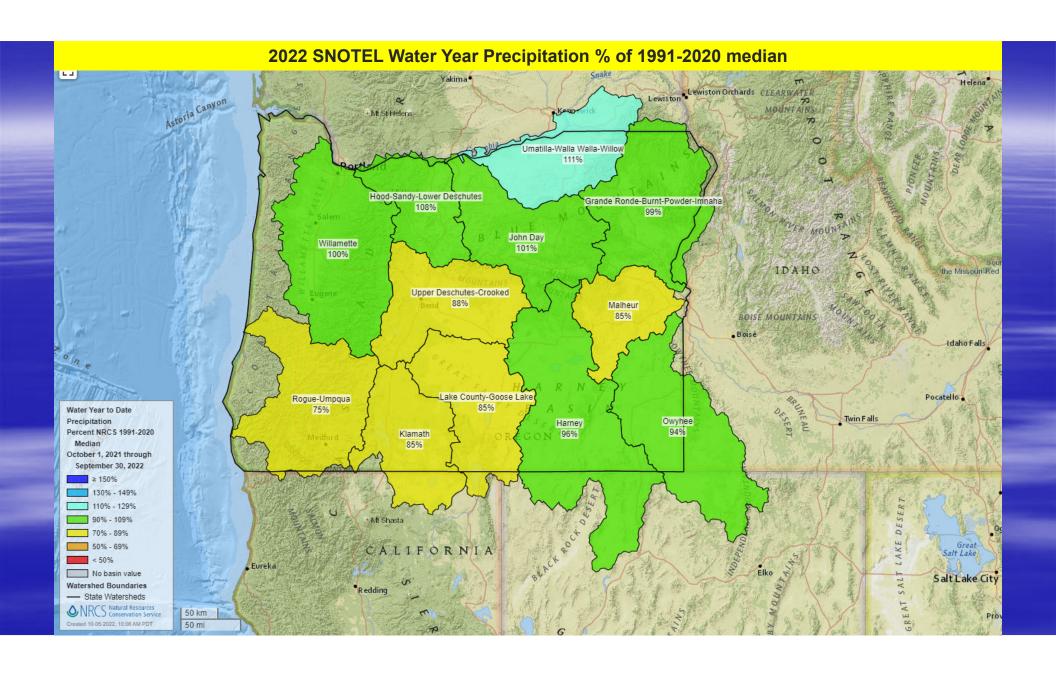
Near-Normal Peak Below Median

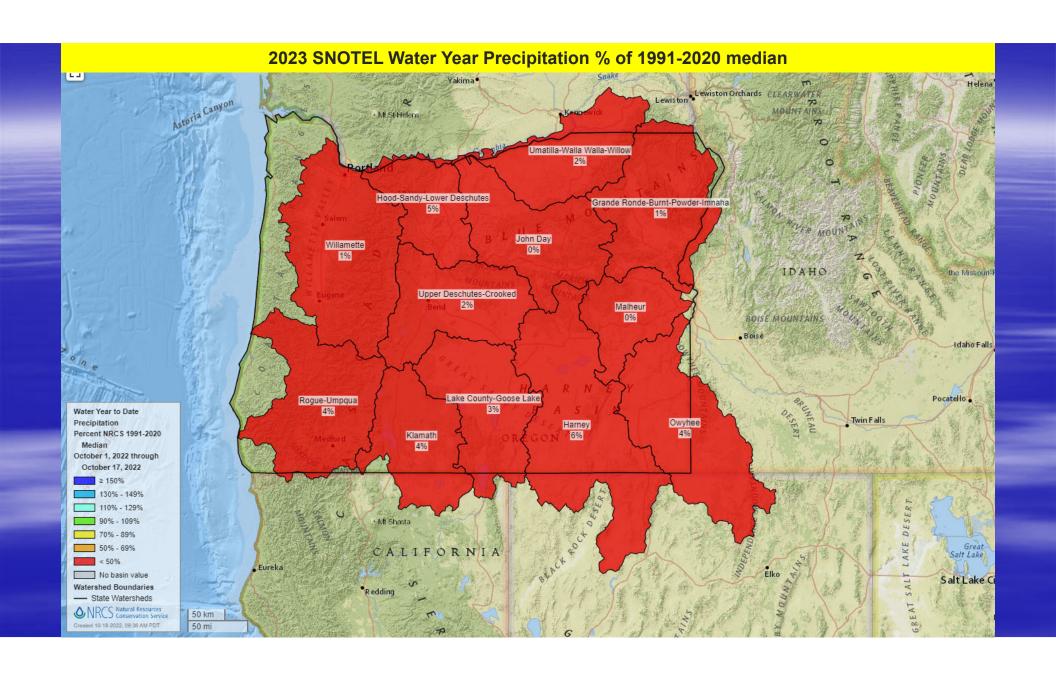
Malheur Peak Snowpack was on March 1 at 69% of Normal Median peak (March 4).

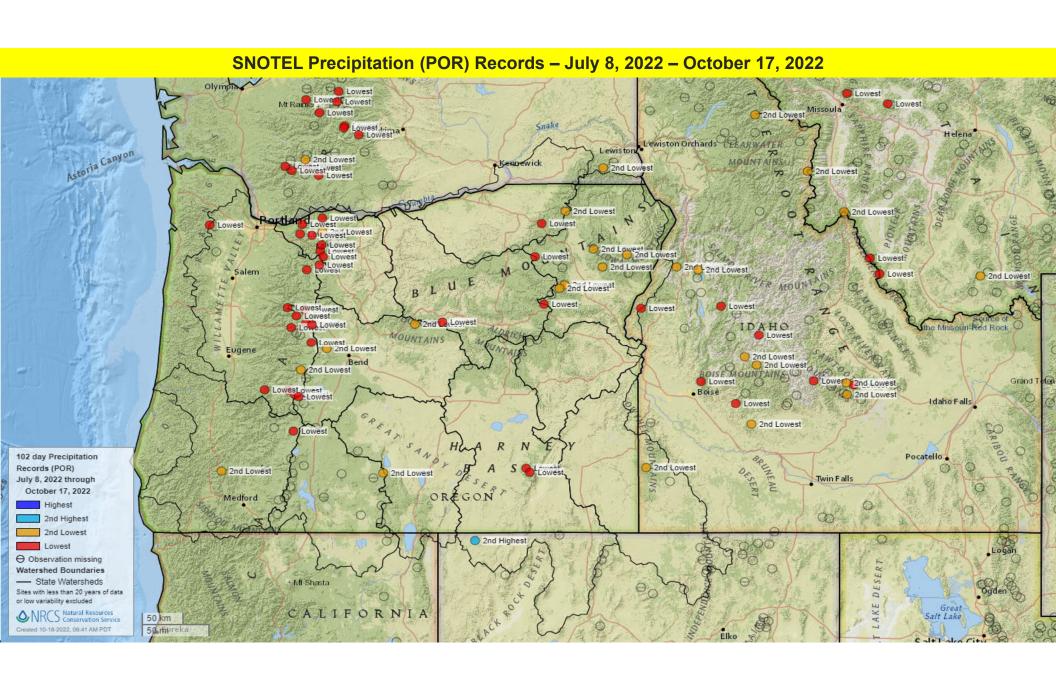


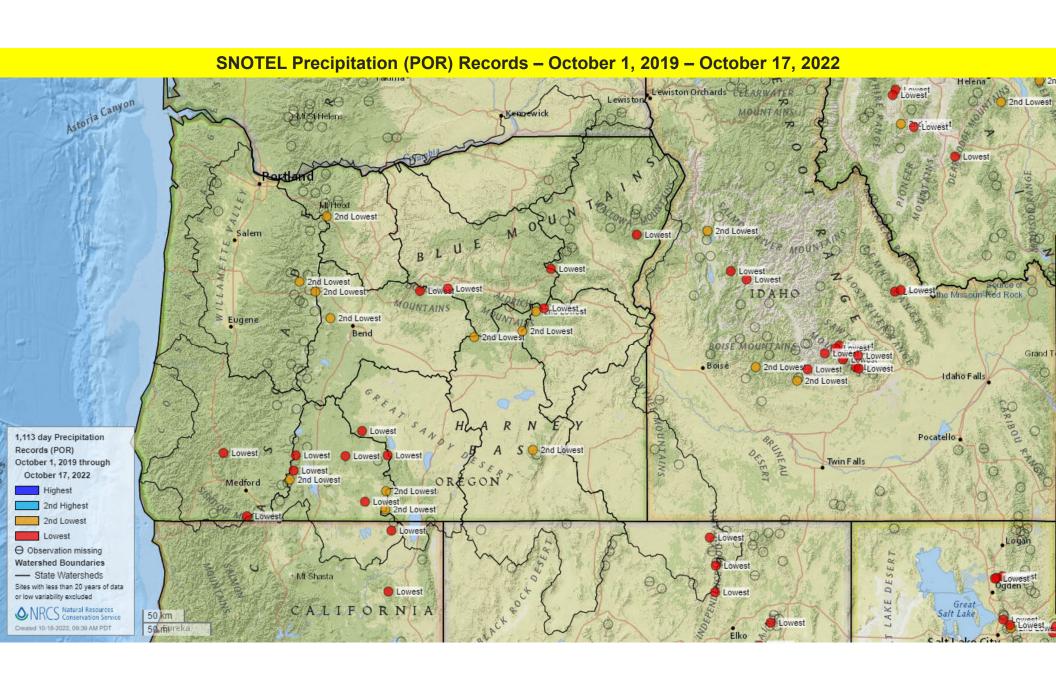
Owyhee Peak Snowpack was on March 16 at 76% of Normal Median peak (March 10).

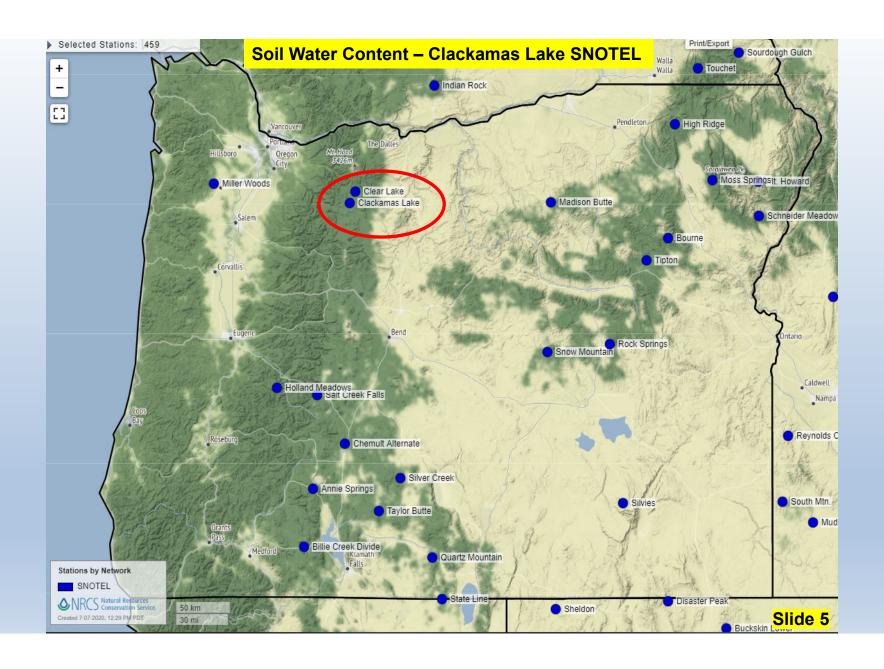




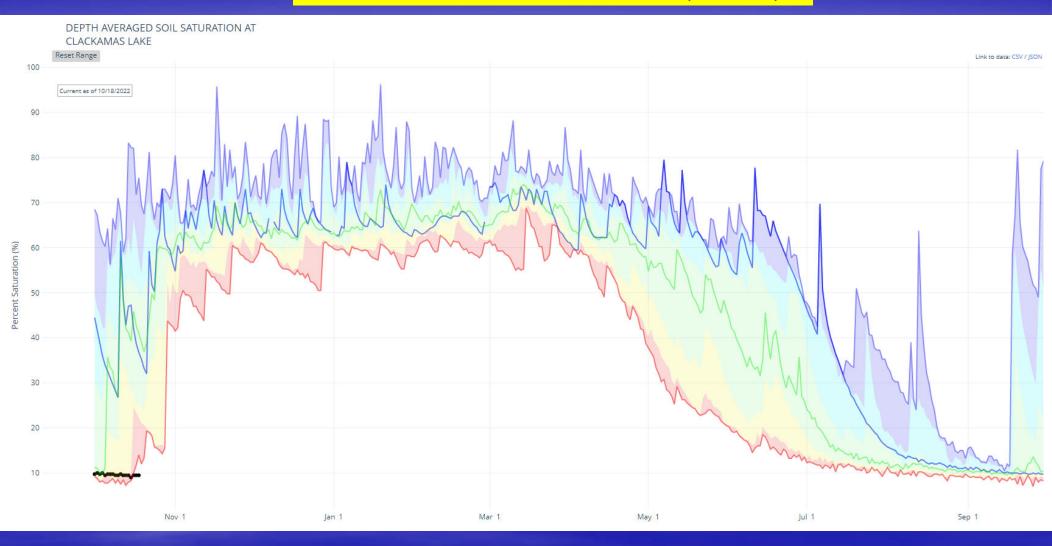


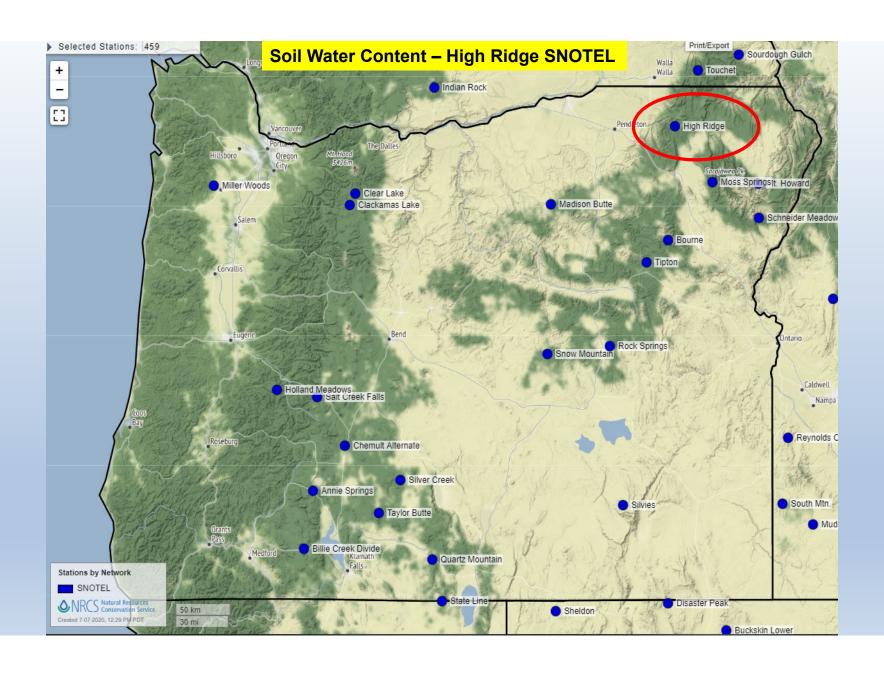




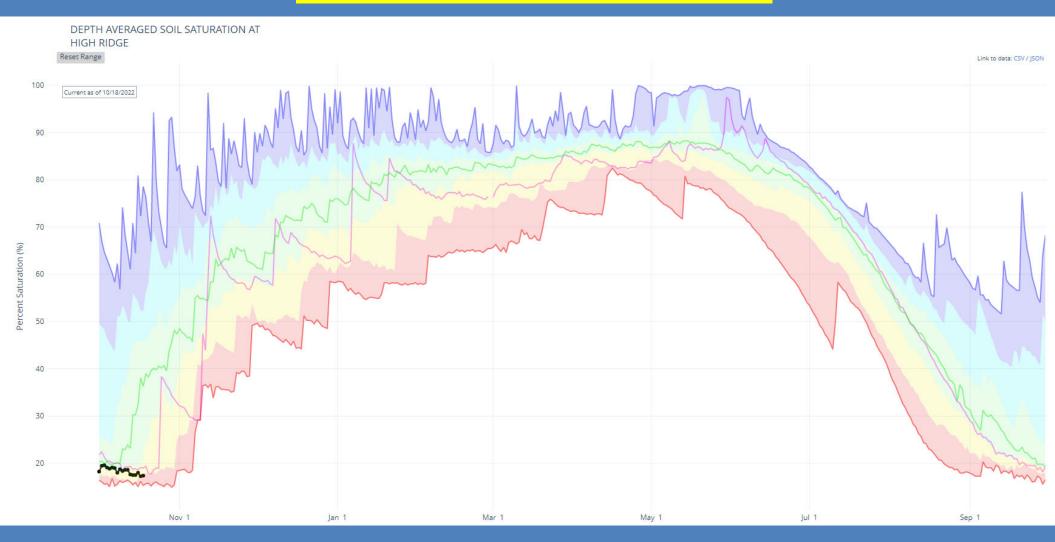


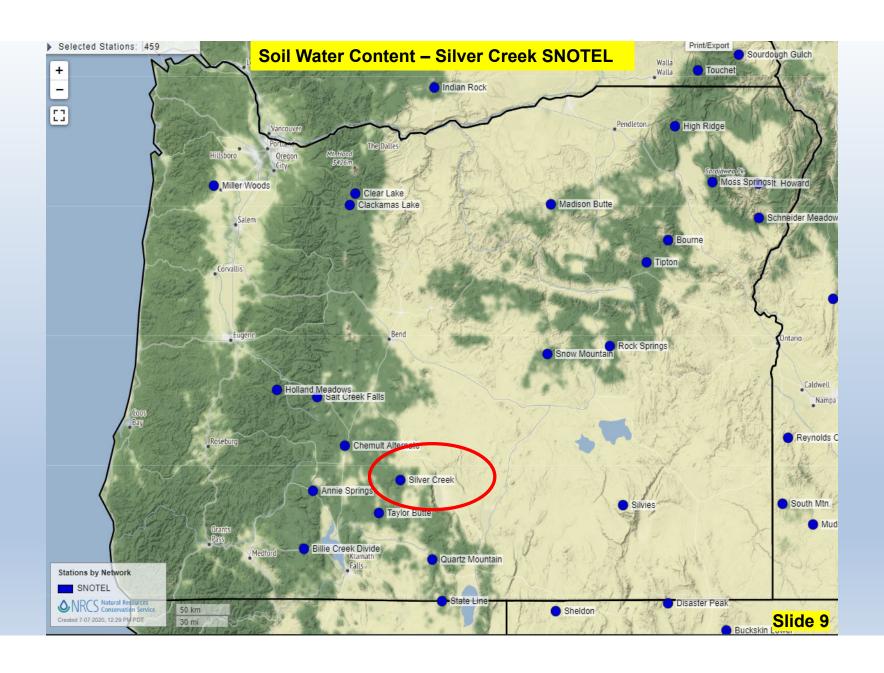
Soil Water Content – Clakamas Lake SNOTEL (2011-2022)



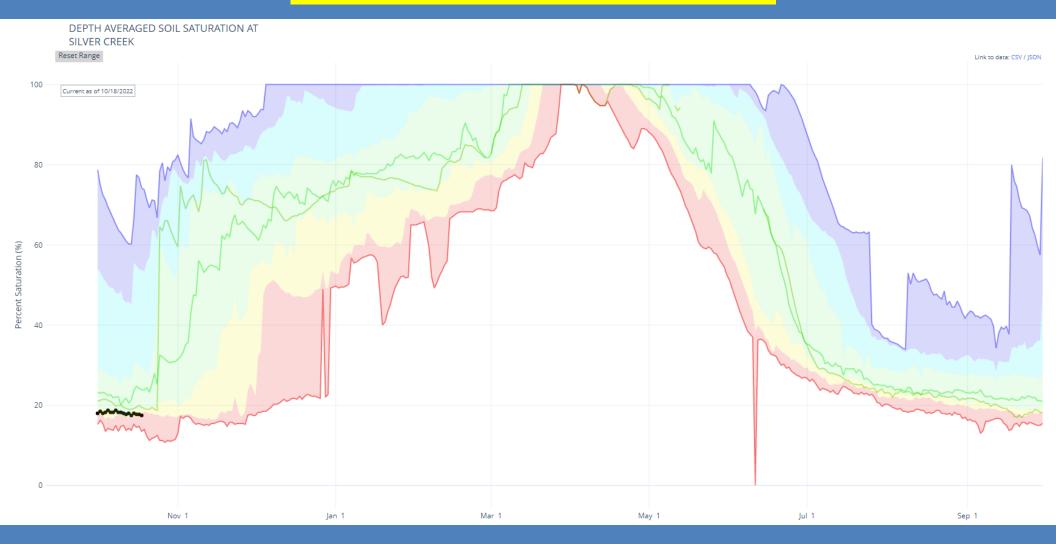


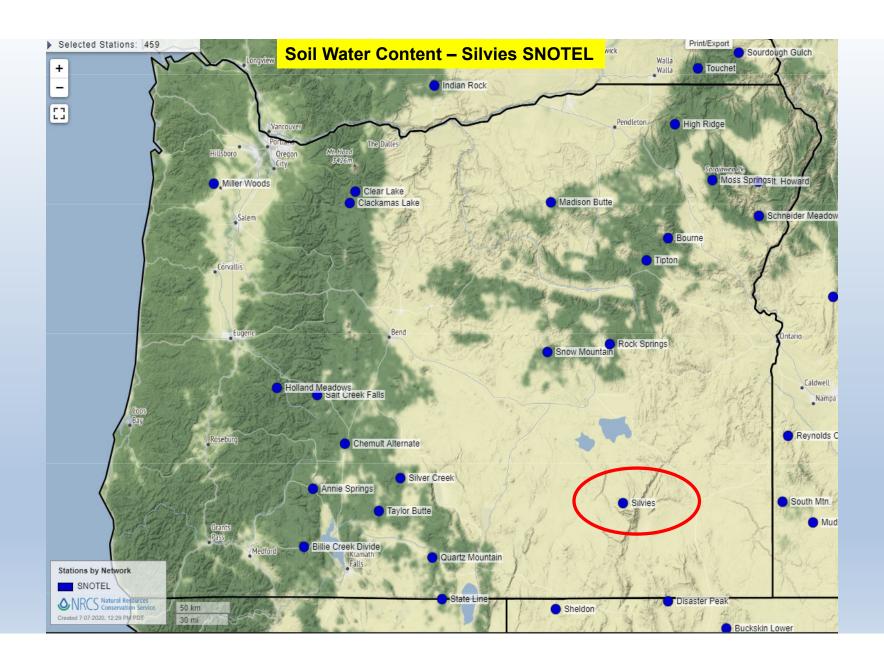
Soil Water Content – High Ridge SNOTEL (2004-2022)



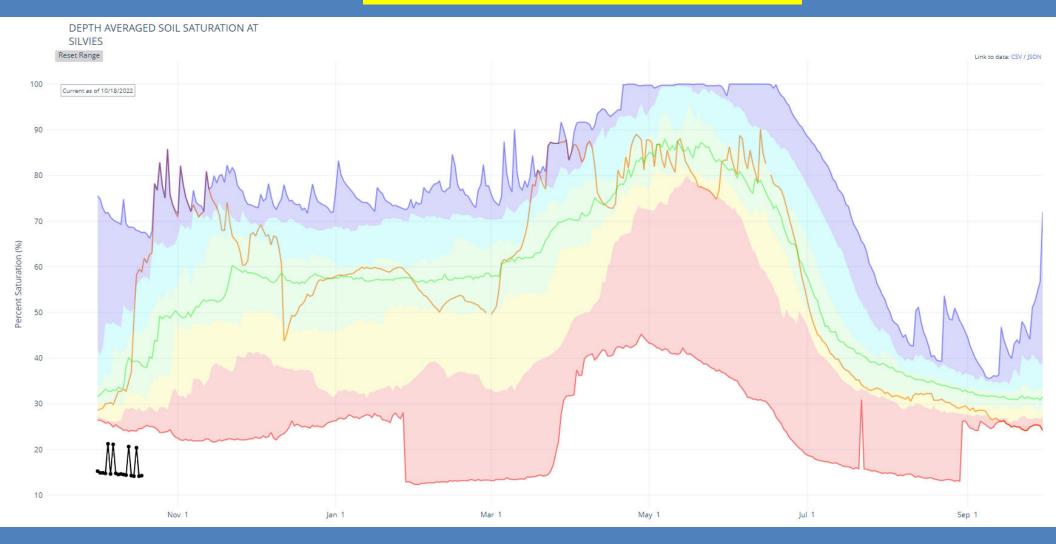


Soil Water Content - Silver Creek SNOTEL (2004-2022)





Soil Water Content - Silvies SNOTEL (1997-2022)



Thank you

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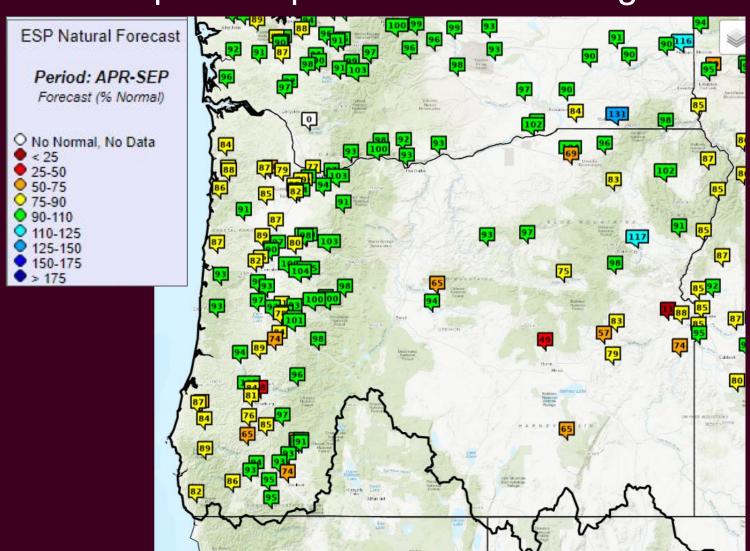
October 2022 NWRFC Update

NOAA National Weather Service



Seasonal Volume

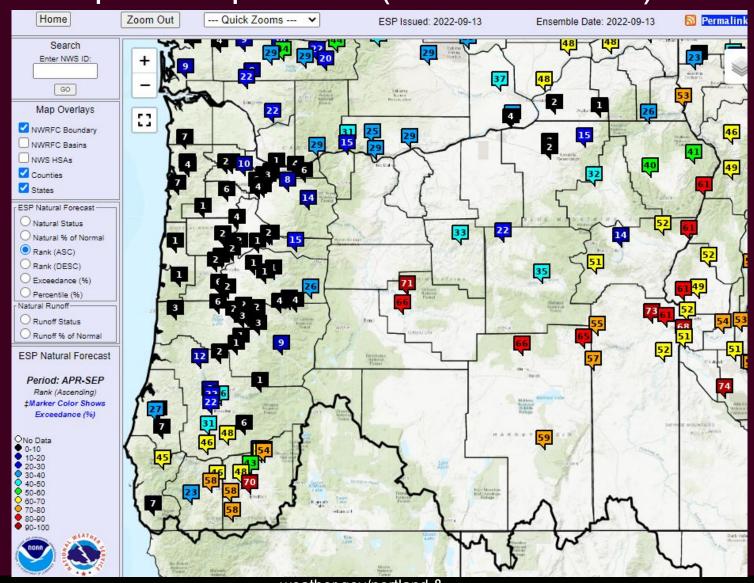
April – September % of Average





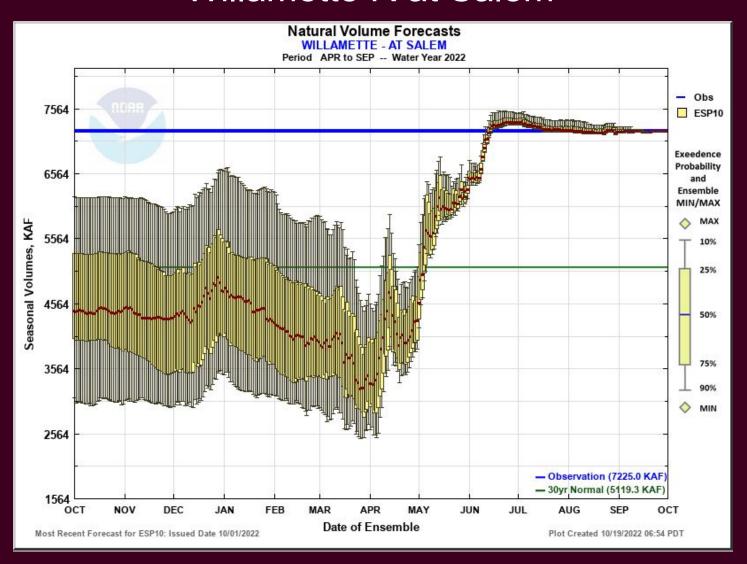
Seasonal Volume Rankings

April – September (record 1949 on)



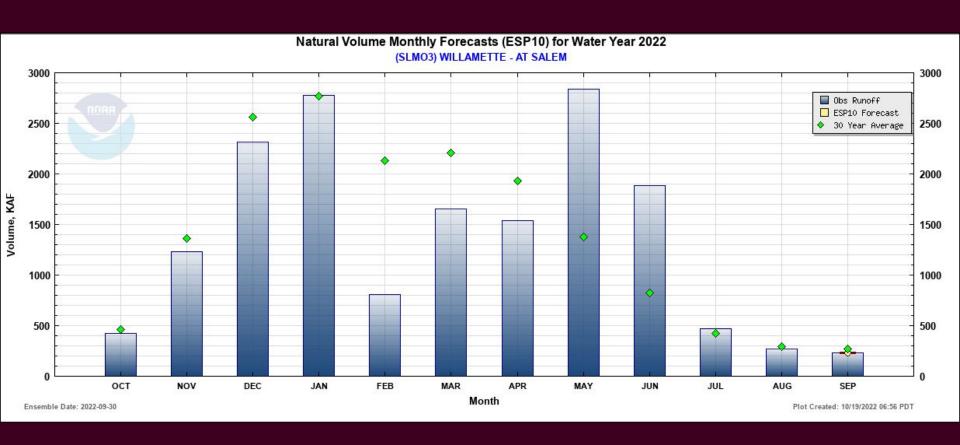


Natural Volume Forecast Willamette R at Salem



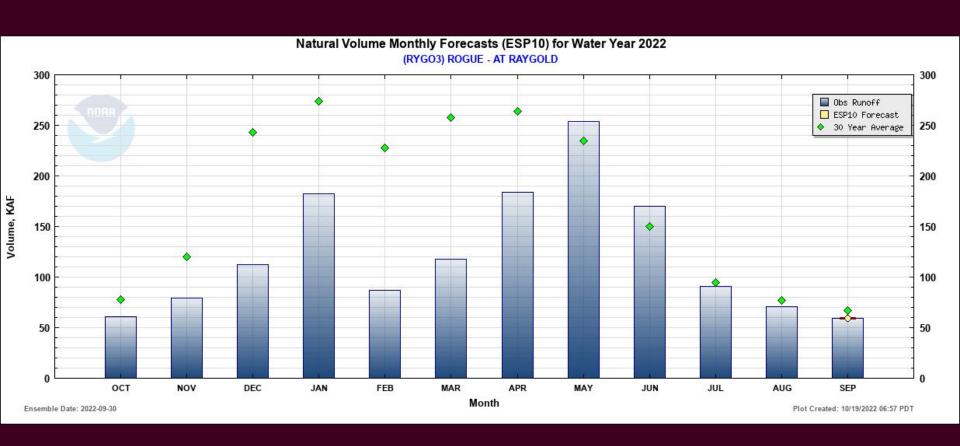


Monthly Natural Volumes Willamette R at Salem



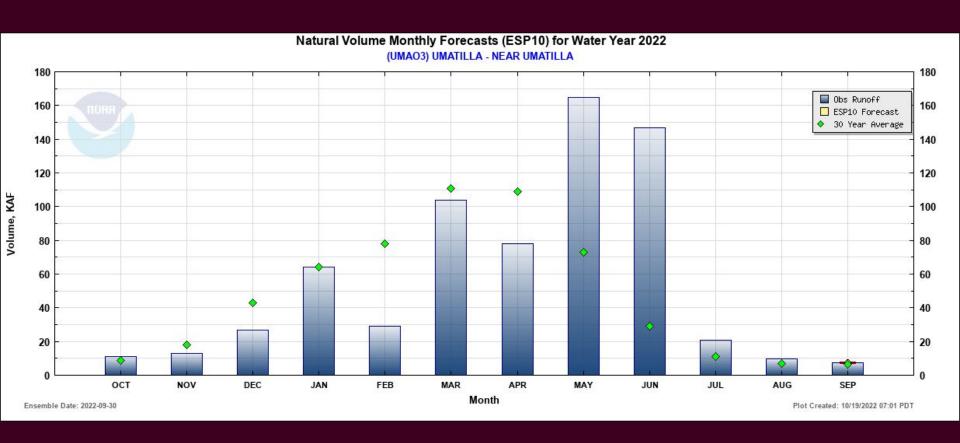


Monthly Natural Volumes Rogue R near Raygold



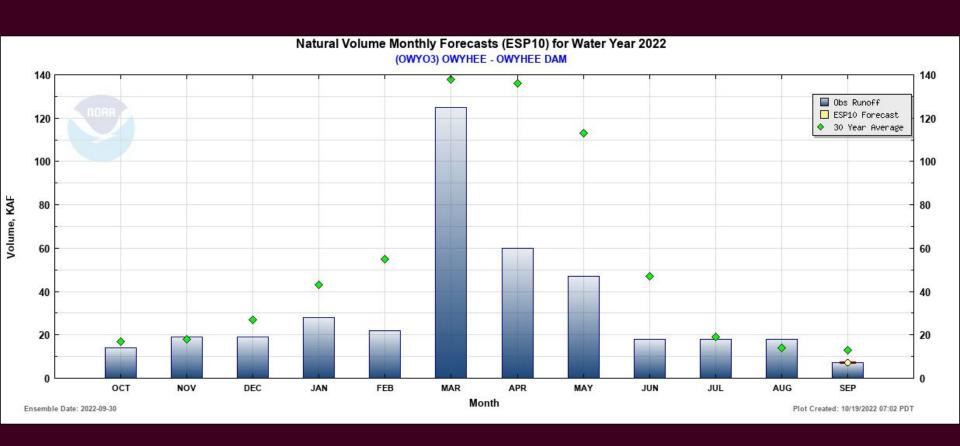


Monthly Natural Volumes Umatilla R near Umatilla



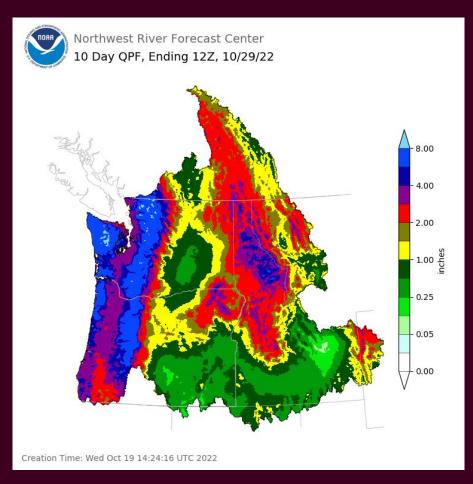


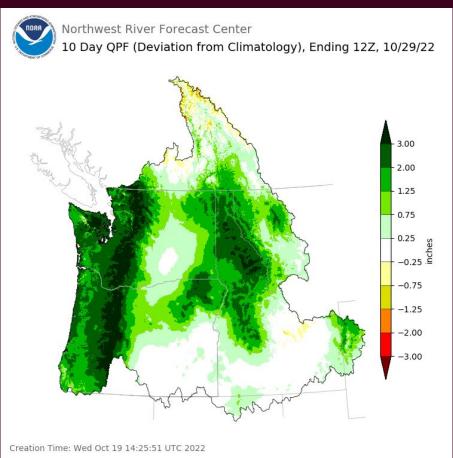
Monthly Natural Volumes Owyhee R at Owyhee Dam





10 Day Precipitation Forecast



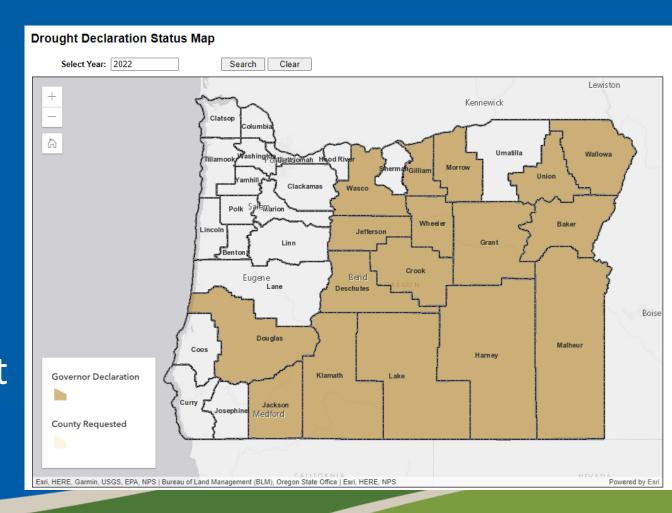


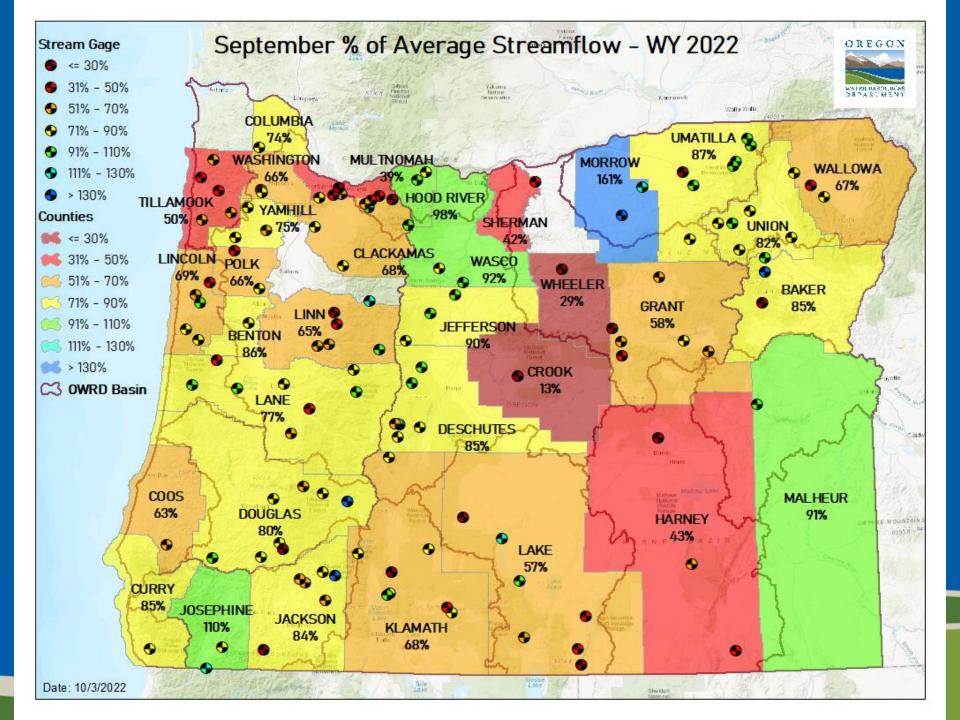


Drought Declarations

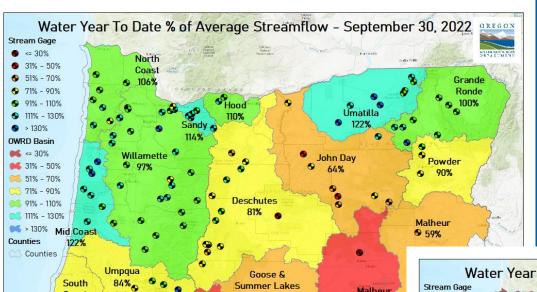


- 17 counties with ORS 536 declarations
- 29 counties
 with USDA
 crop disaster
 designations
 due to drought





Water Year to Date



52%

Klamath

0

Coast

0

South

Coast o

87%

Date: 10/3/2022

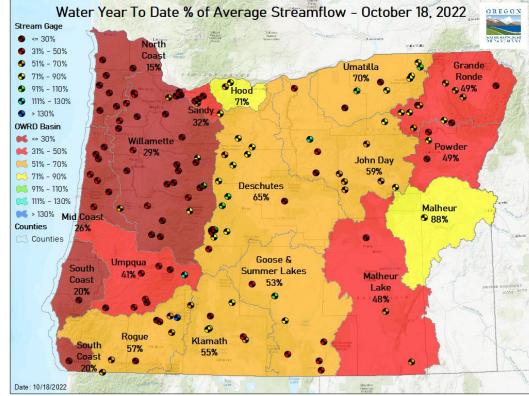
Rogue

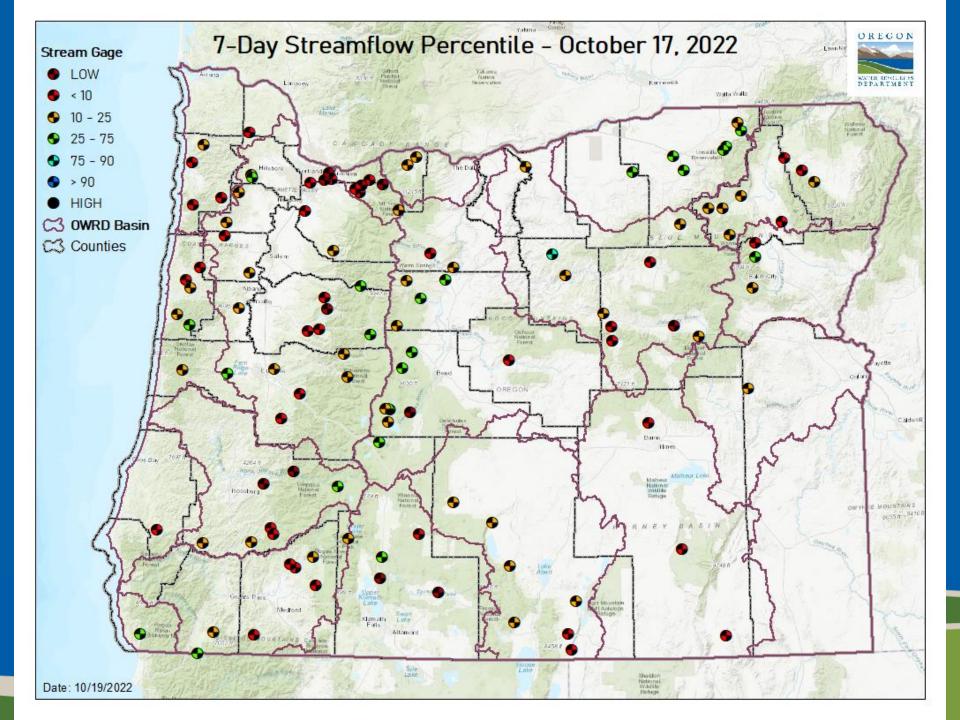
Malheur

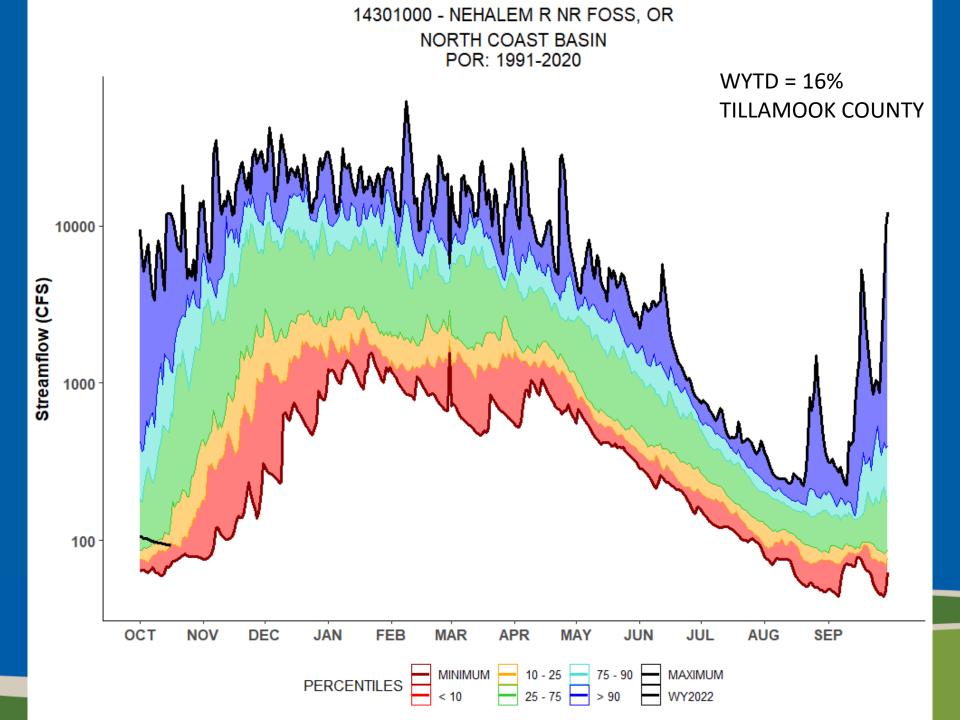
Lake

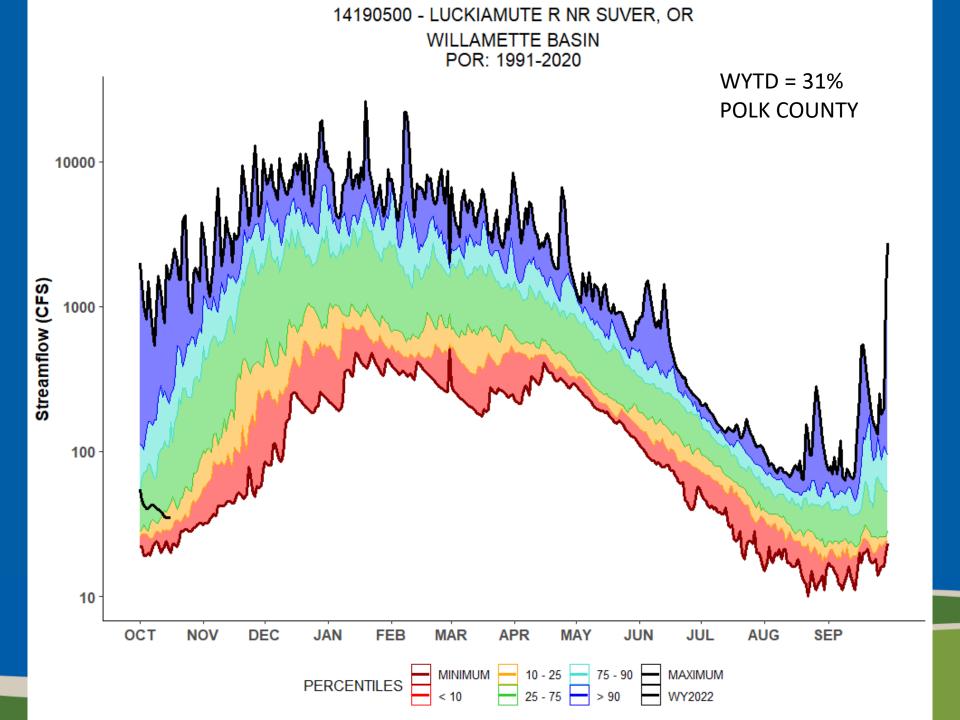
44%

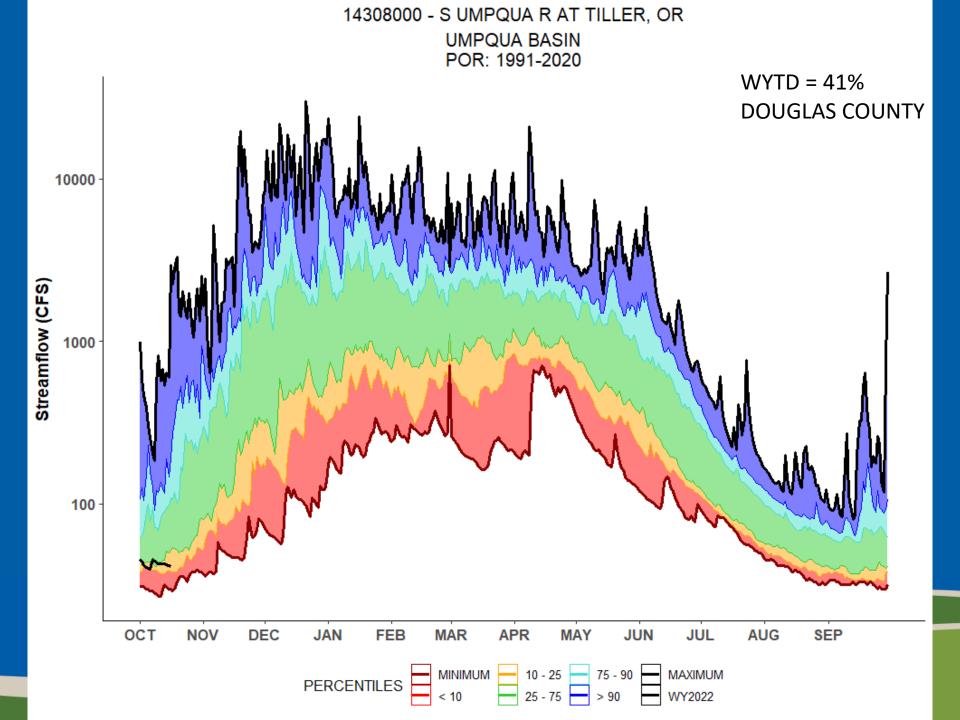


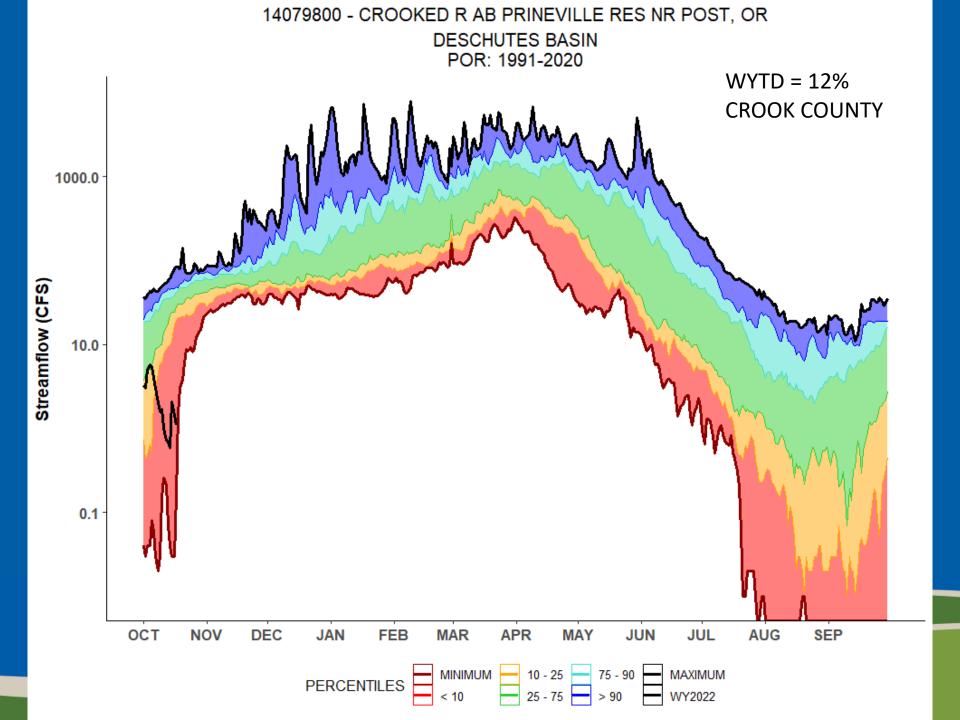


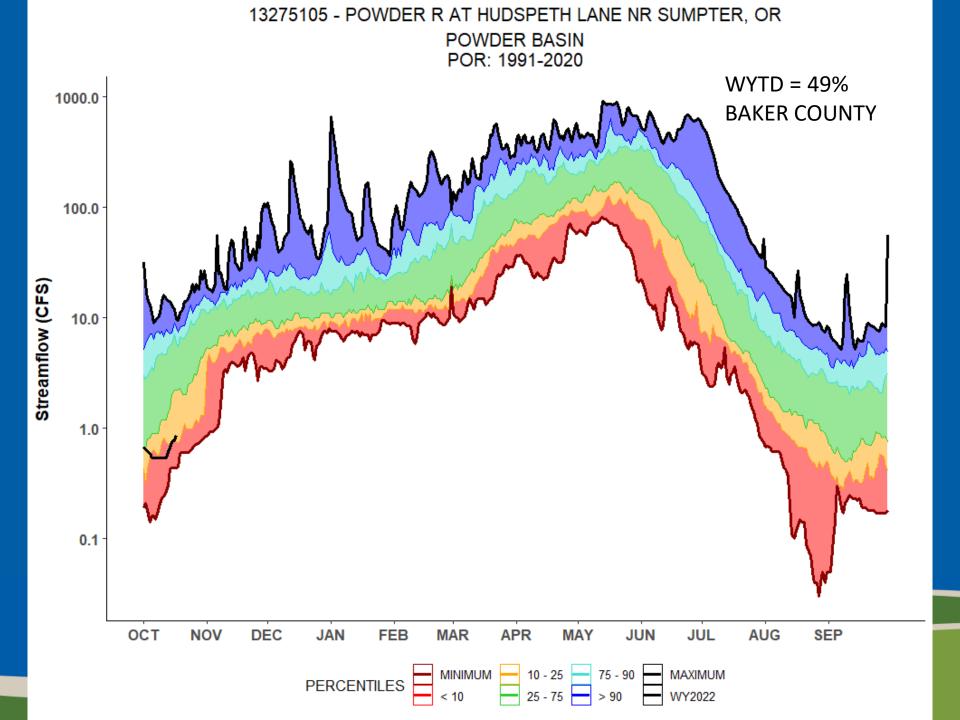


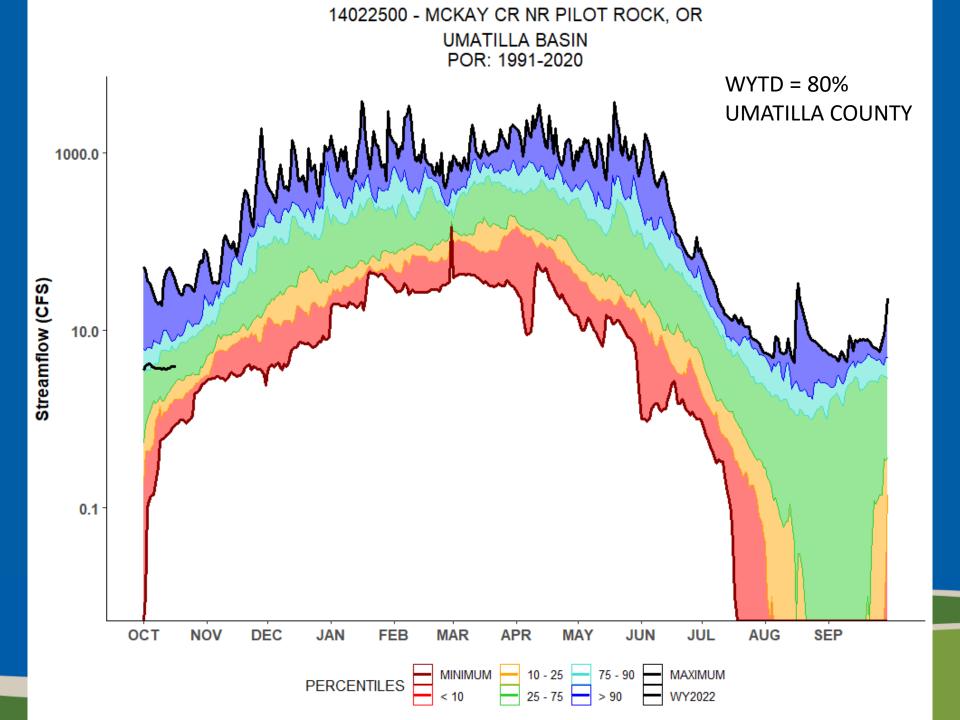












Summary



 Warm, dry conditions in late summer, early fall translated to well below average start to water year 2023

 Several record low flows east and west of Cascades



QUESTIONS?



Reclamation Storage Update

Oregon Water Supply Availability Committee Meeting
October 19, 2022

Basin Operations Summary

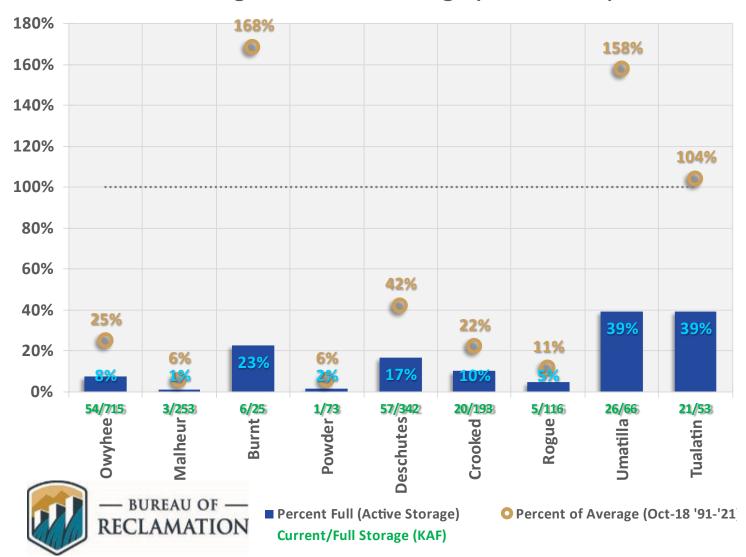
- Operations Activities:
 - Irrigation season has or is nearing an end
 - Reservoirs are transitioning to winter minimum outflows to begin filling
- Water Supply Notes
 - Much below normal carryover at the end of the season in the southern, central and southeastern basins (Rogue, Deschutes, Crooked, Malheur, Powder, Owyhee) => similar to start of WY2022
 - Above normal and higher carryover than WY2022 in the northern basins (Unity, McKay, Scoggins)



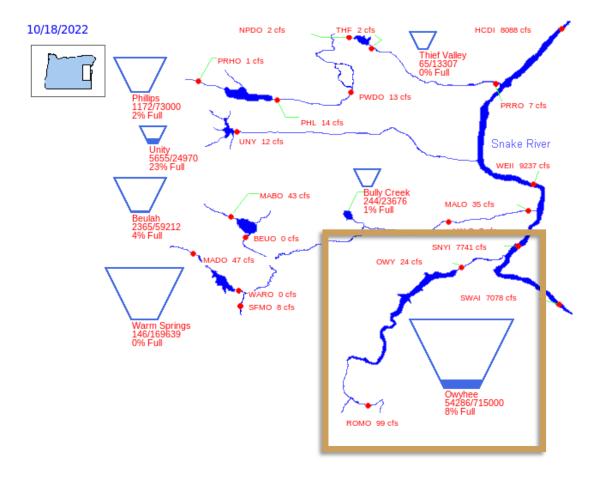
Storage Conditions

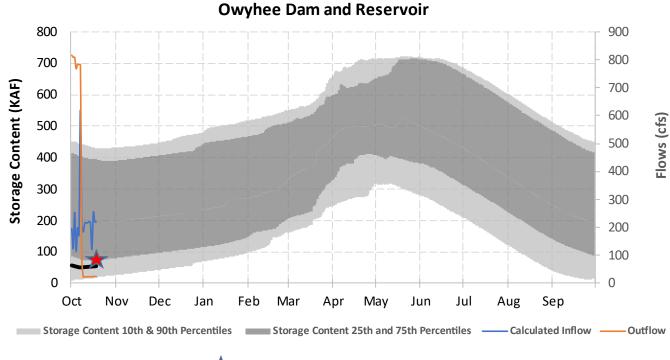
Oregon Reservoir Storage (Sep 12 2022) 180% 155% 154% 160% 140% 115% 120% 100% 80% 60% 32% 40% 20% Crooked (22/193 Umatilla 9/04 ■ Percent Full (Active Storage) O Percent of Average (Sep-12 '91-'21 Current/Full Storage (KAF)

Oregon Reservoir Storage (Oct 18 2022)



Owyhee River Basin

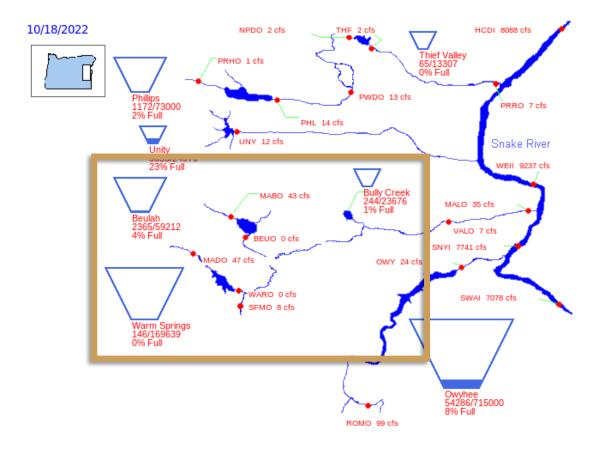


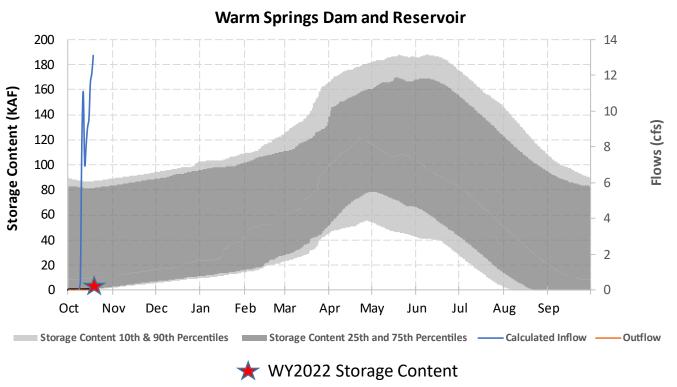




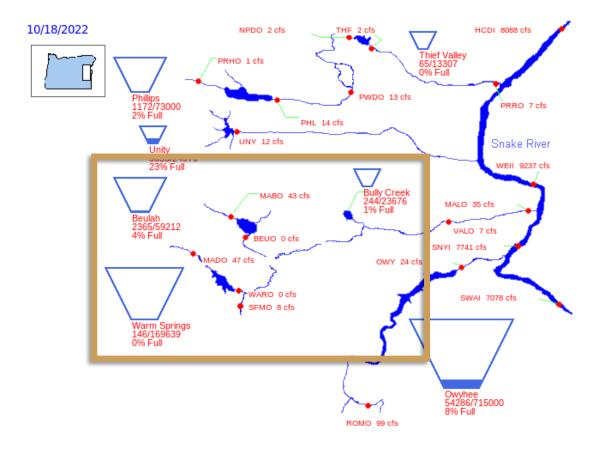


Malheur River Basin

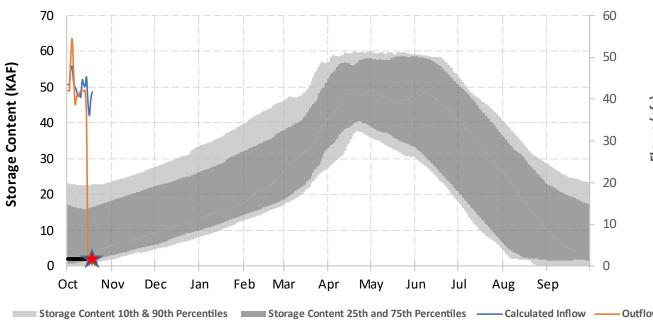




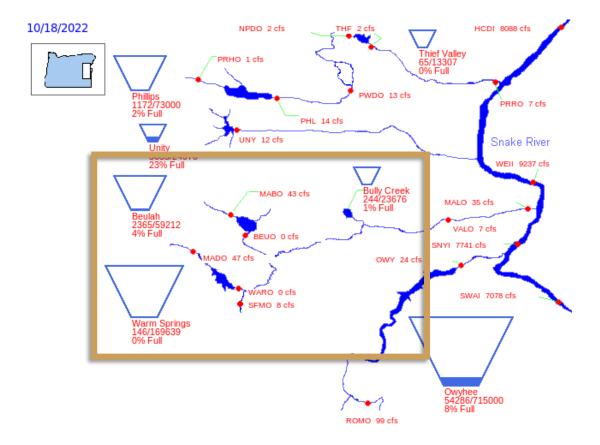
Malheur River Basin

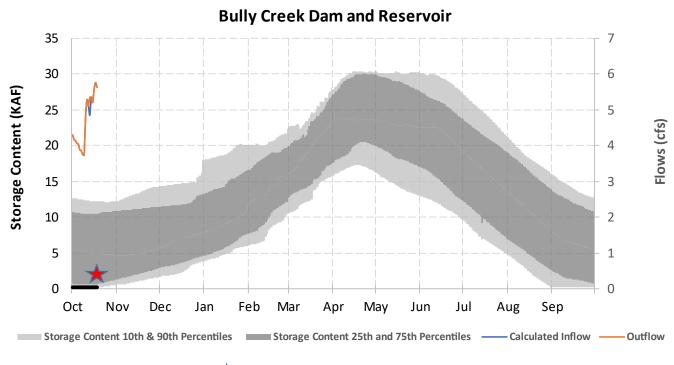


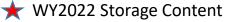
Beulah Dam and Reservoir



Malheur River Basin

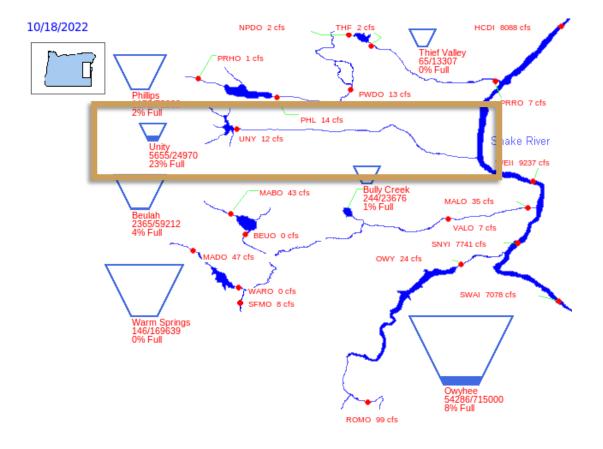


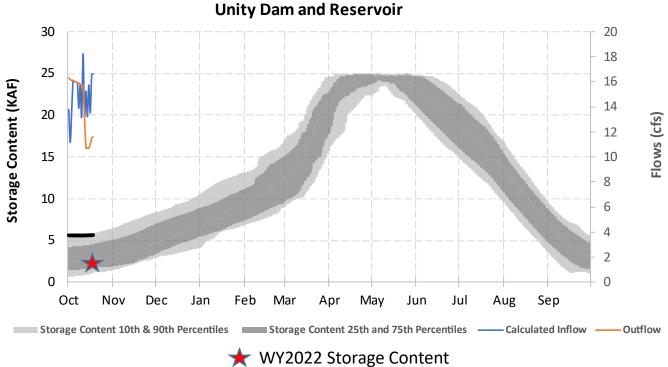






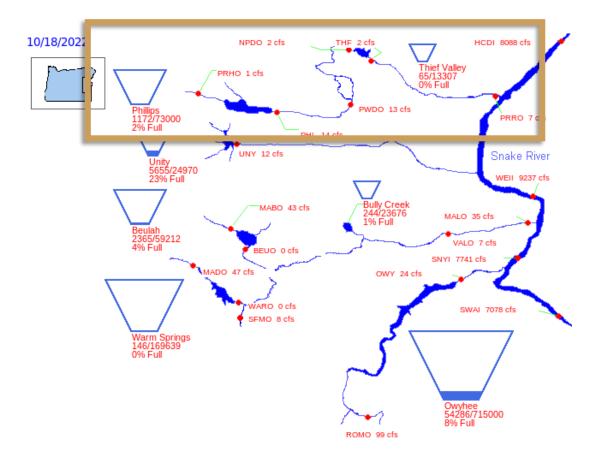
Burnt River Basin

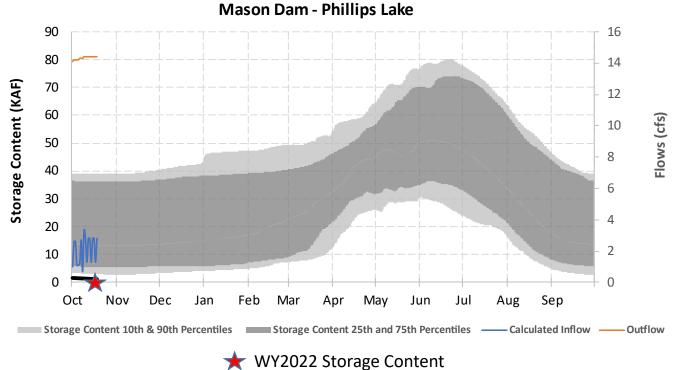






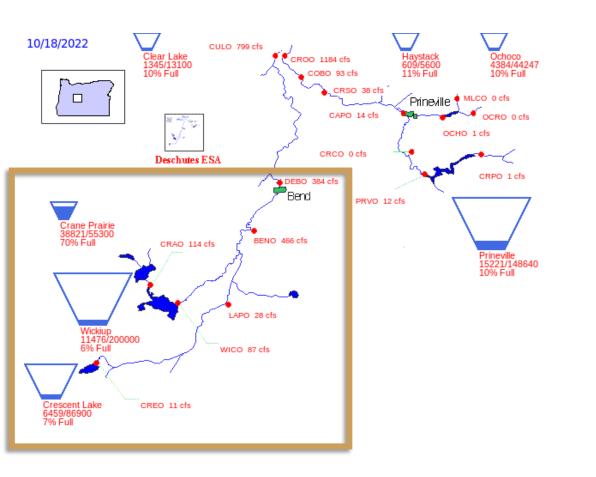
Powder River Basin







Deschutes River Basin§



★ WY2022 Storage Content

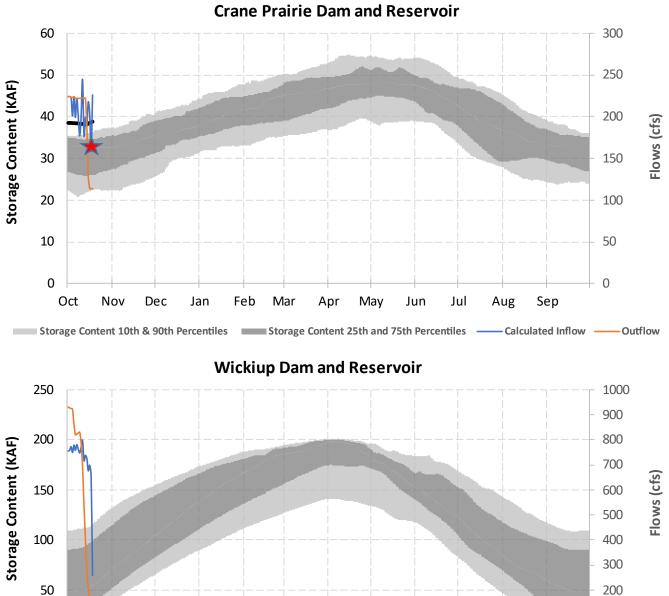
Oct

Dec

Jan

Feb

Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles



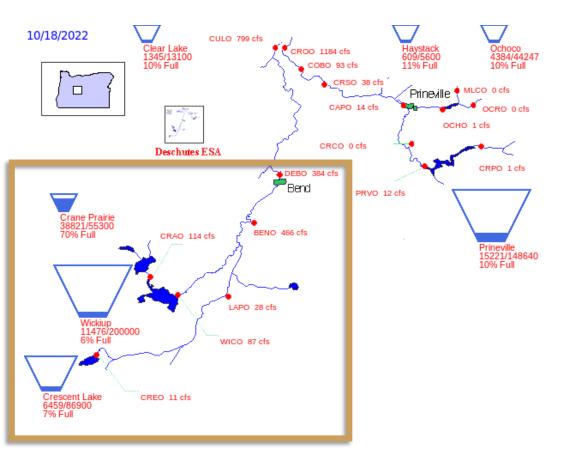
May

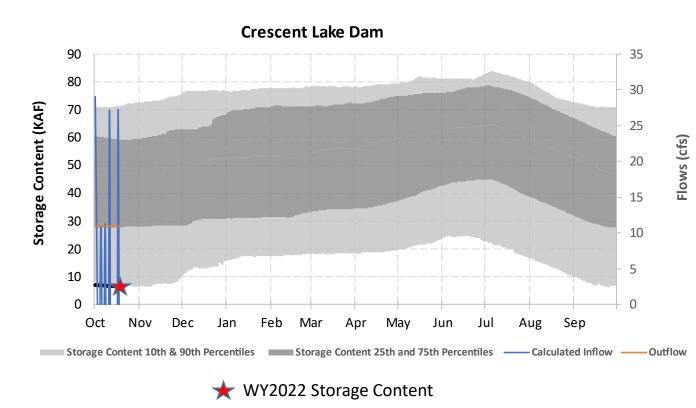
100

Sep

—— Calculated Inflow

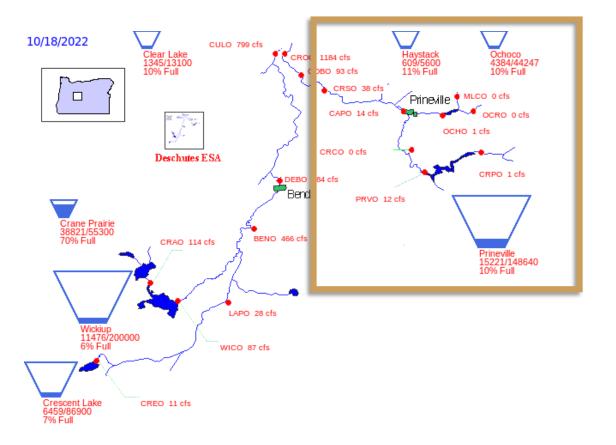
Deschutes River Basin



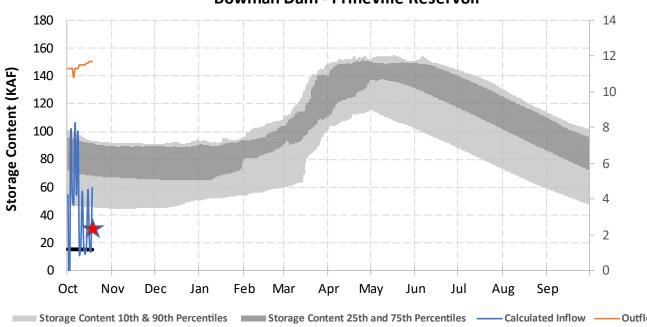




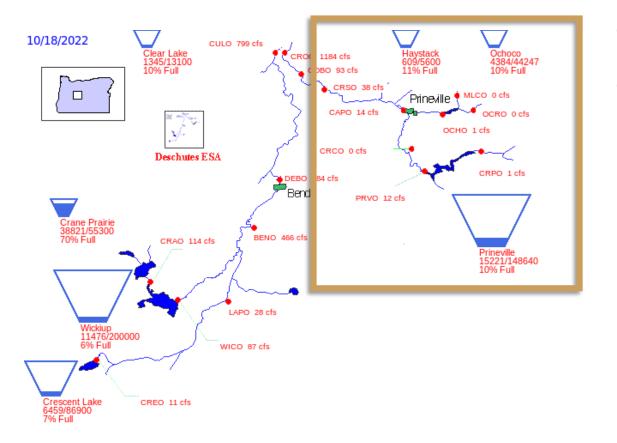
Crooked River Basin



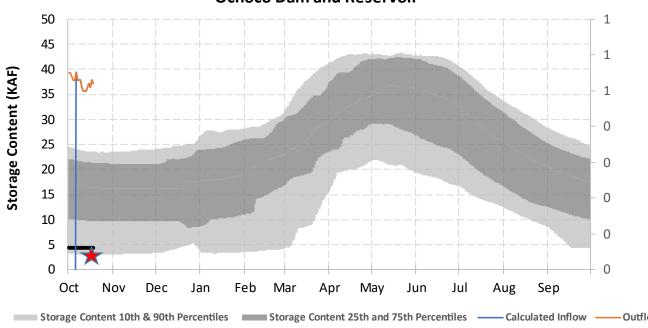
Bowman Dam - Prineville Reservoir



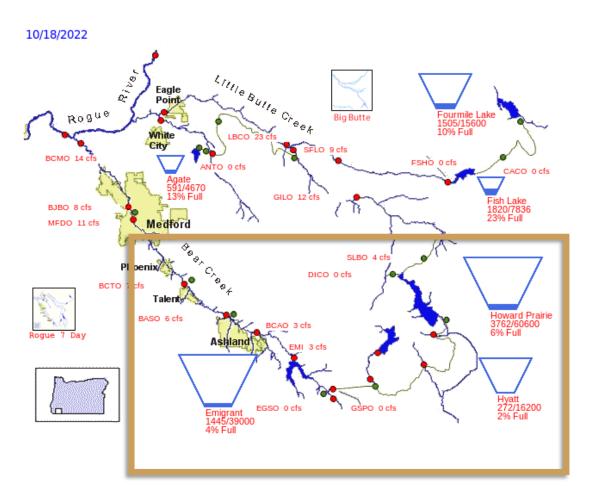
Crooked River Basin

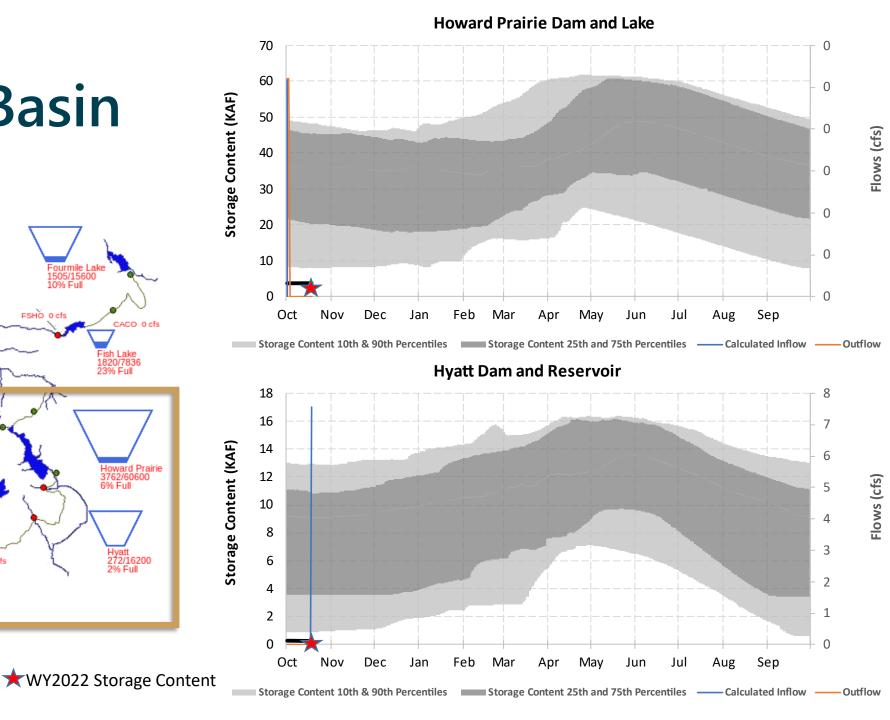


Ochoco Dam and Reservoir

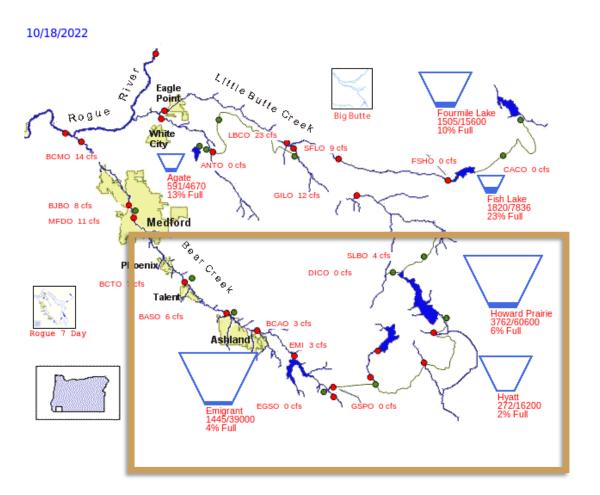


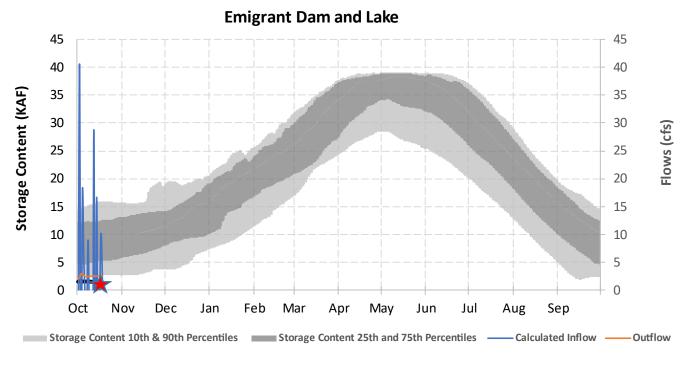
Rogue River Basin





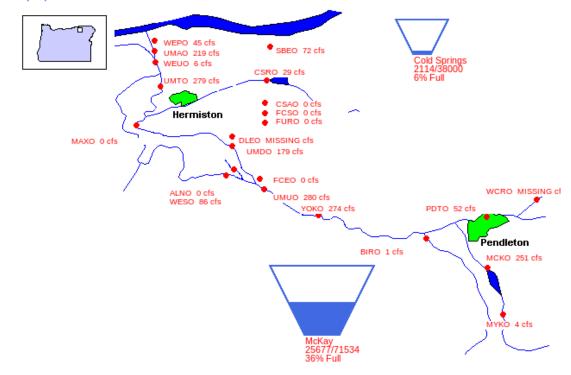
Rogue River Basin

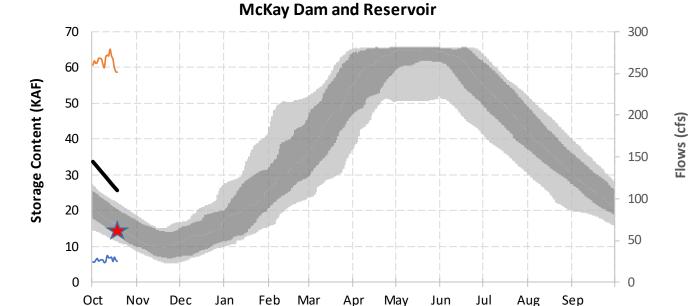




Umatilla River Basin

10/18/2022







Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles



Tualatin River Basin

