

WY 2023 Weather Review

TMT Annual Year End Review Meeting, CRITFC Celilo Room, Portland, OR



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Columbia River Inter-Tribal Fish Commission
Portland, Oregon

December 6th, 2023

Columbia River Inter-Tribal Fish Commission - CRITFC





Columbia River Inter-Tribal Fish Commission

*putting fish
back in the rivers*


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FISH AND WATERSHEDS
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Sharing Salmon Culture

Wy-Kan-Ush-Pum means "salmon people" and all residents of the Columbia River Basin are "Salmon People." It focuses on the importance of salmon and the environment in which salmon live.



2013 Bonneville Fish Count


The daily fish counts are provided by the Corps of Engineers. Due to the federal government shutdown, these counts are unavailable.

Currents

• • • • •
◀ ▶

Tribal Restoration Efforts Paying Off

Back in the 1970s, salmon runs were declining so quickly that there was a real worry that they would go extinct in some areas. In 1980, only 470,000 salmon passed Bonneville Dam—and that's adding up chinook, sockeye, and coho. In 1995, the tribes released the... [Continue Reading](#) »



A view into the fish ladder


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Advocacy Issues

• • • • •
◀ ▶

Resident Fish Consumption Advisory

Oregon and Washington have issued two fish consumption advisories on 9/23/13 for RESIDENT FISH in the Columbia River caught between Bonneville and McNary dams due to high to moderate levels of mercury and PCBs. The Oregon Health Authority and Washington State Department of Health issued this advisory to limit people's exposure.



CONSUMPTION ADVISORY

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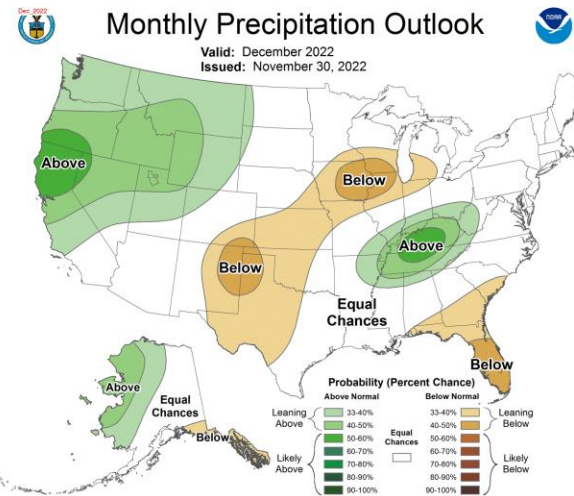
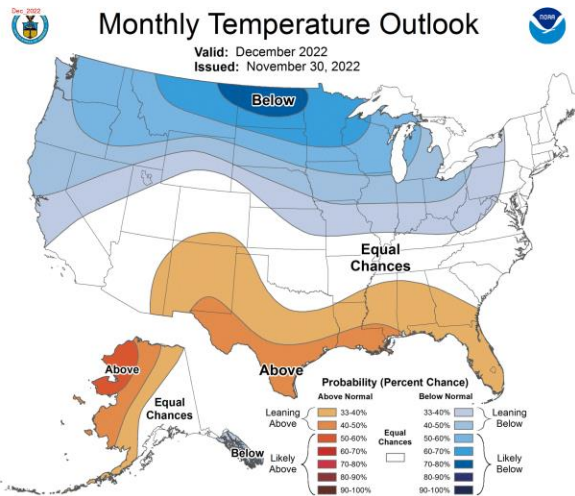
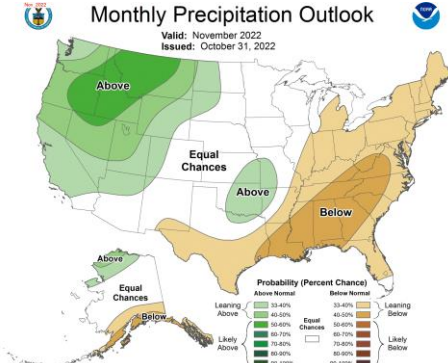
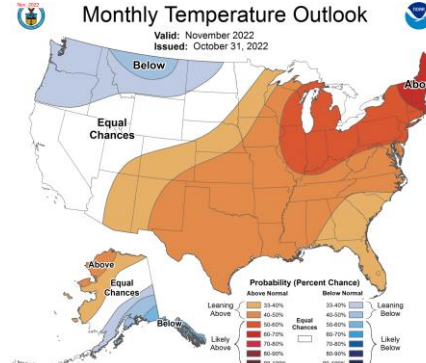
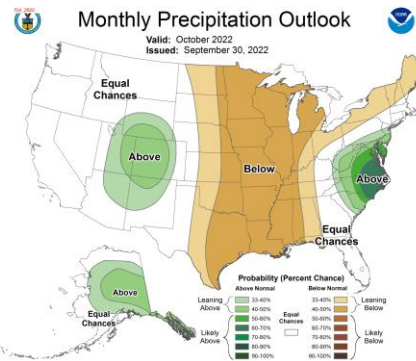
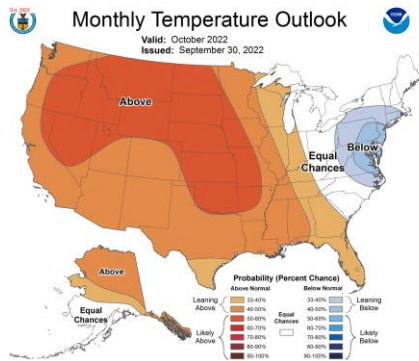
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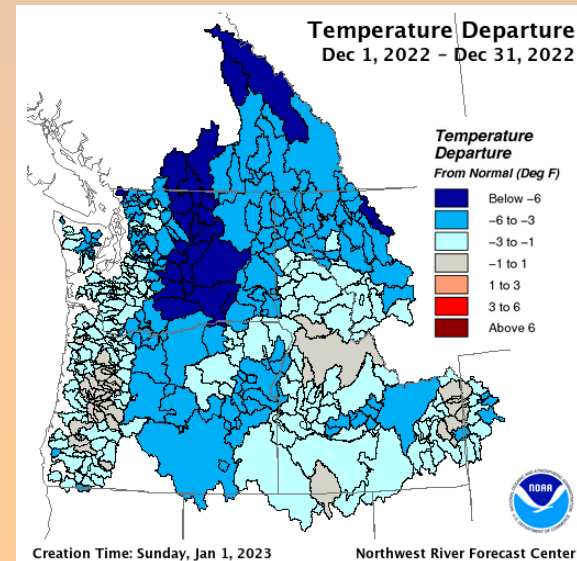
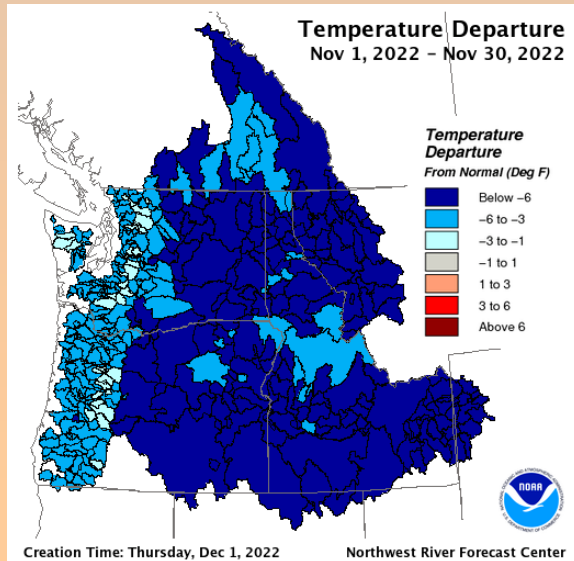
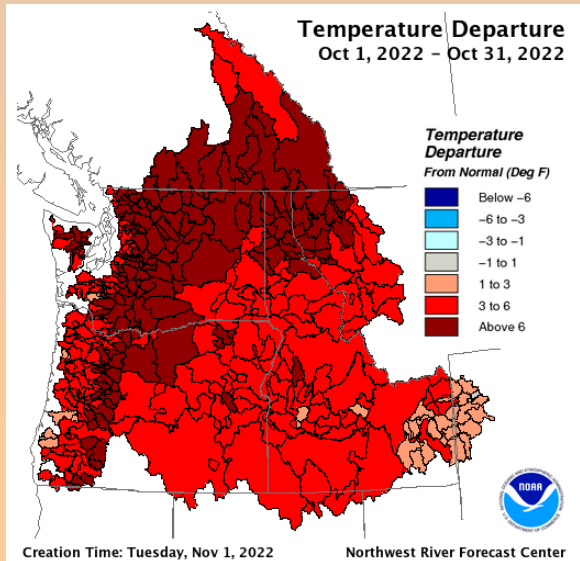
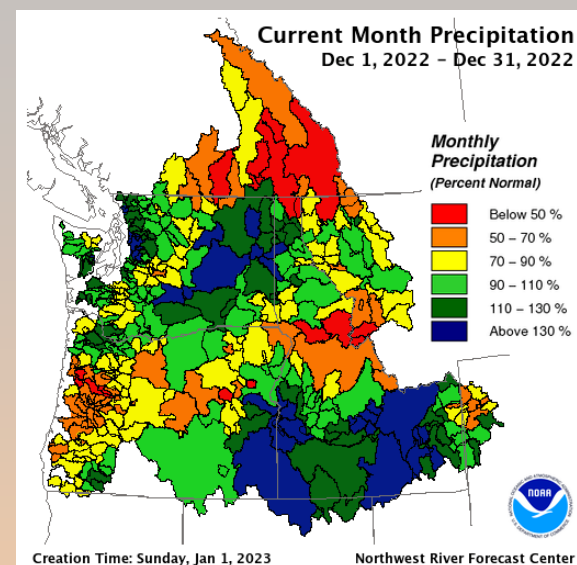
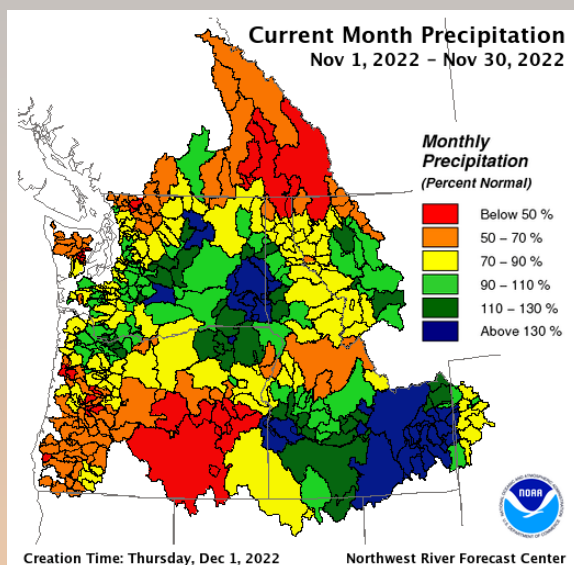
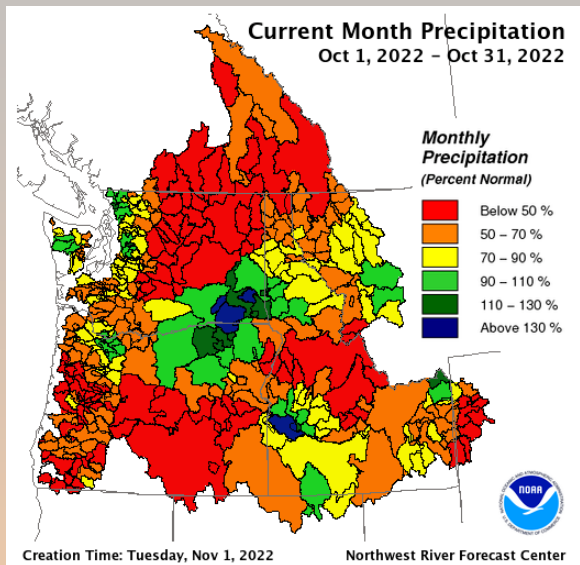
WY2023 NOAA FORECAST



AUTUMN: OCTOBER 2022 – DECEMBER 2022

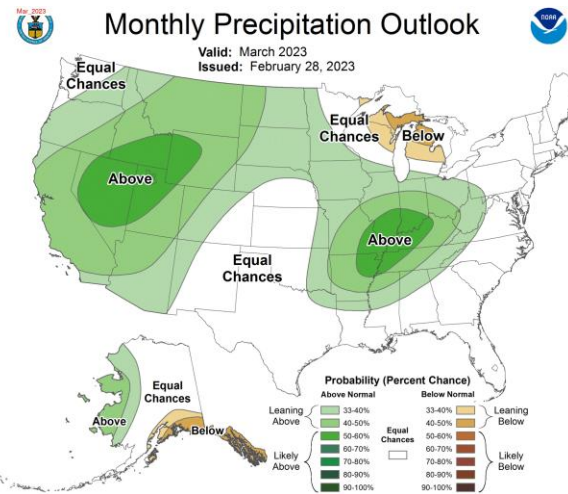
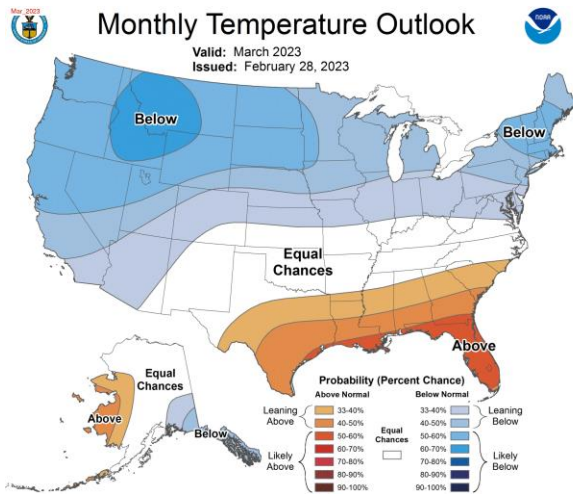
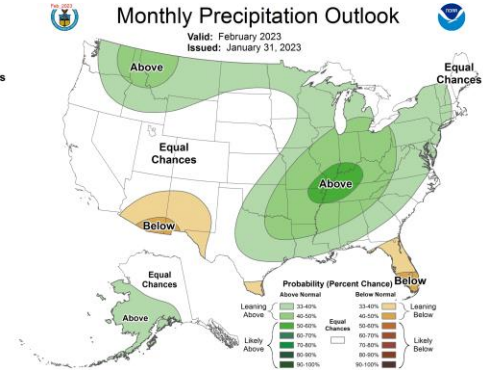
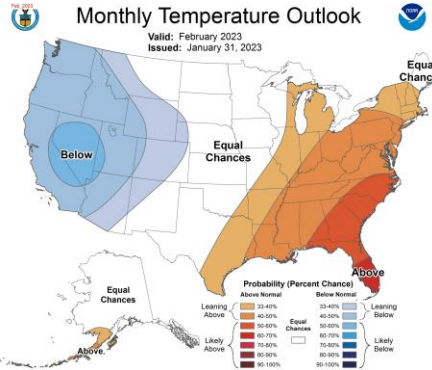
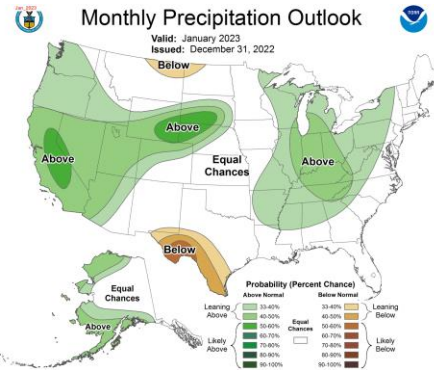
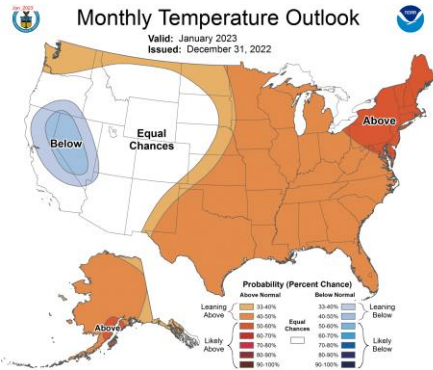


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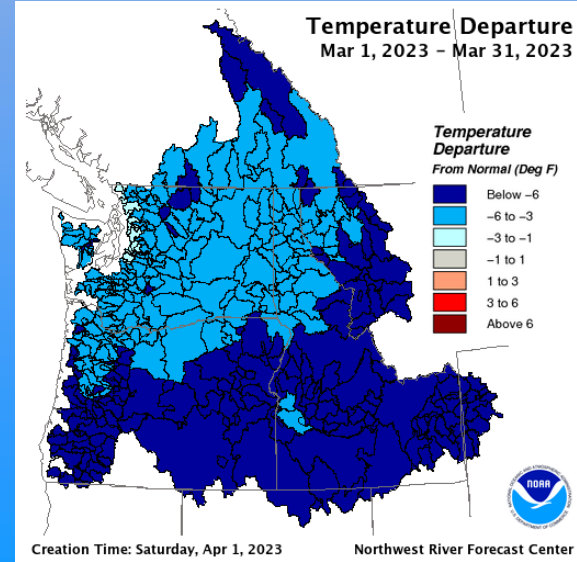
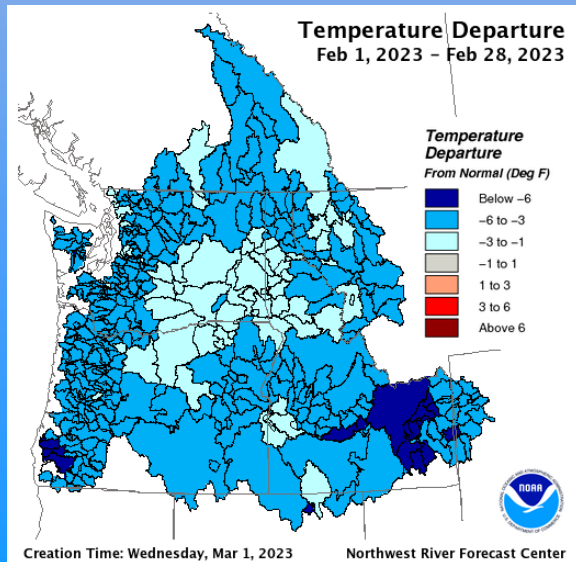
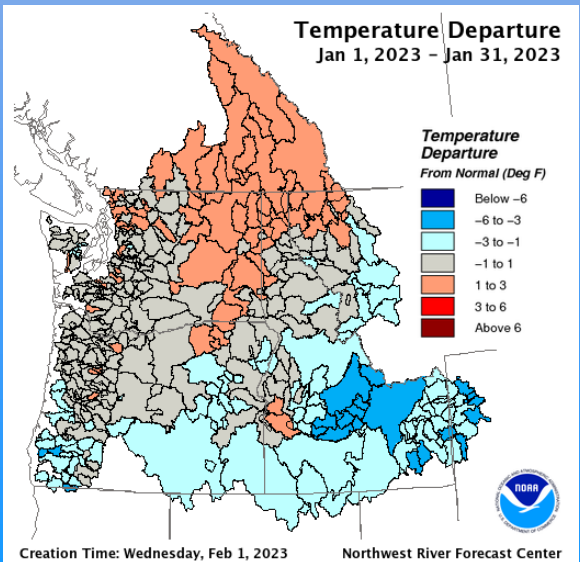
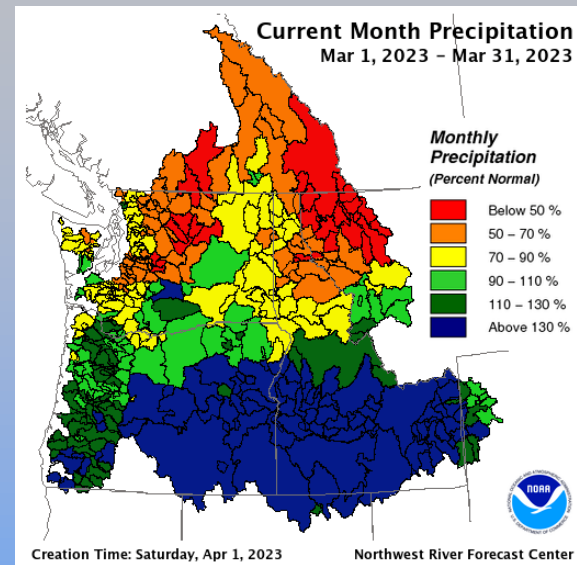
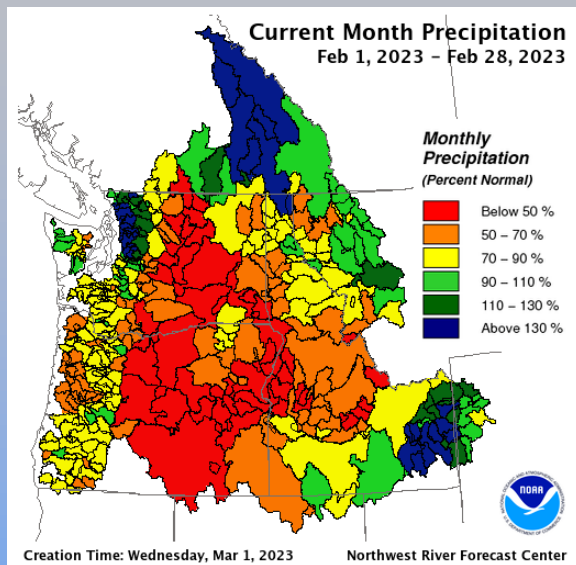
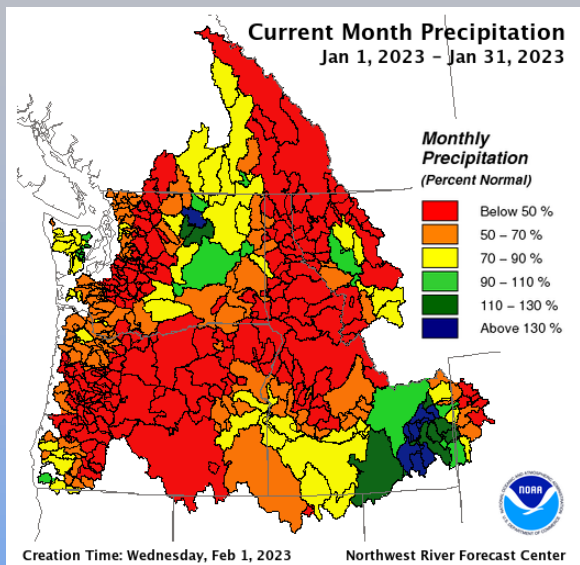
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WINTER: JANUARY 2023 – MARCH 2023

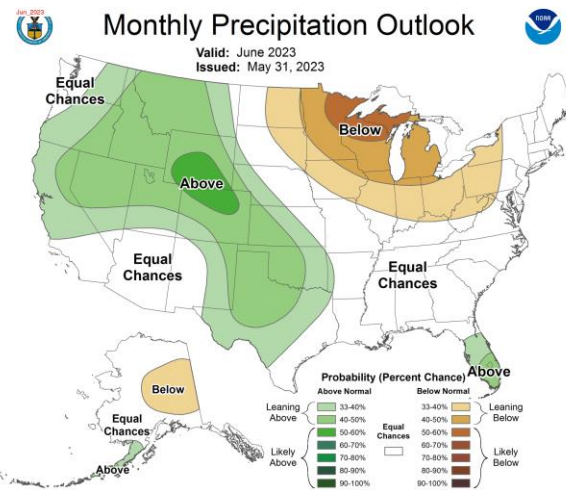
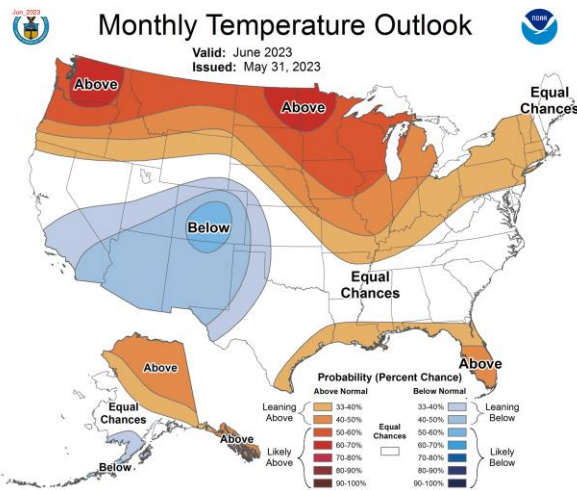
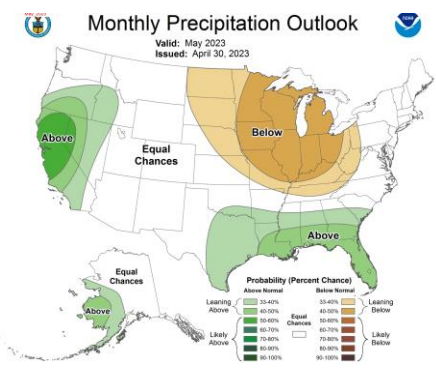
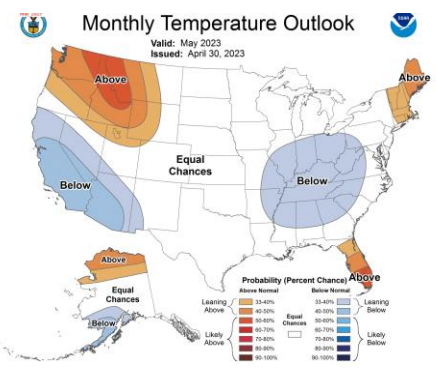
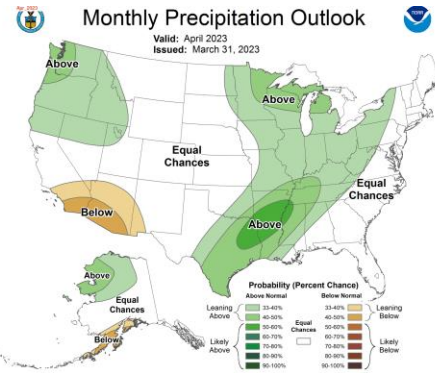
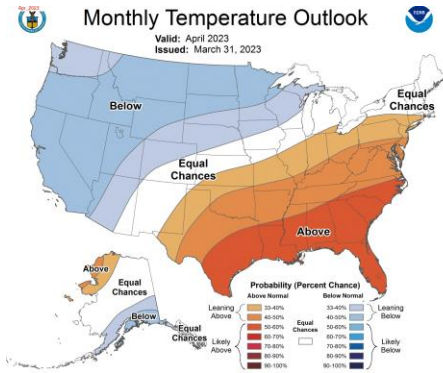


OBSERVED – WINTER





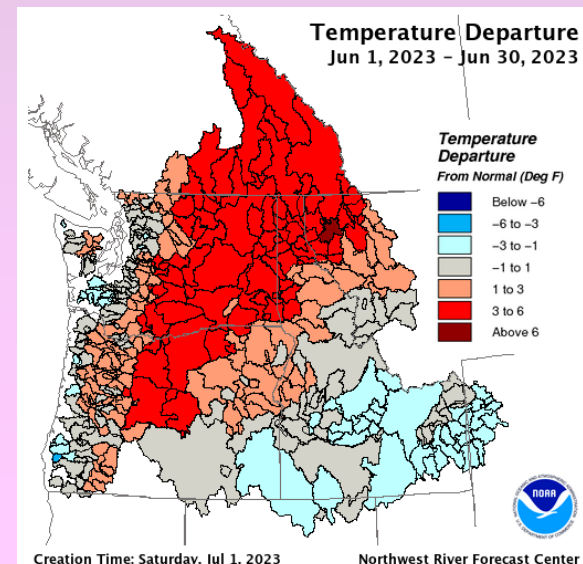
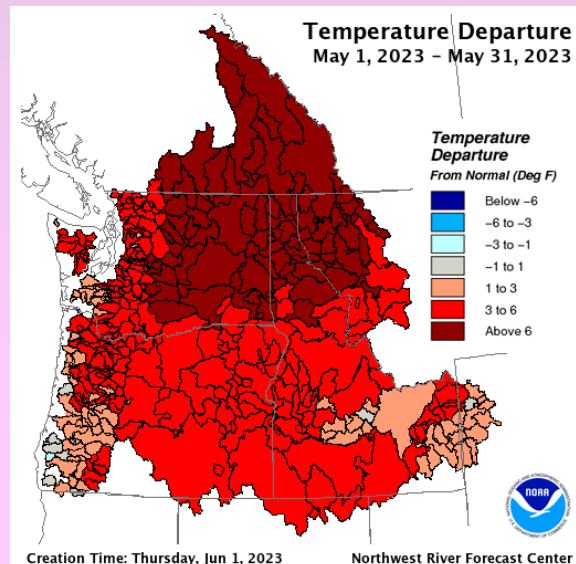
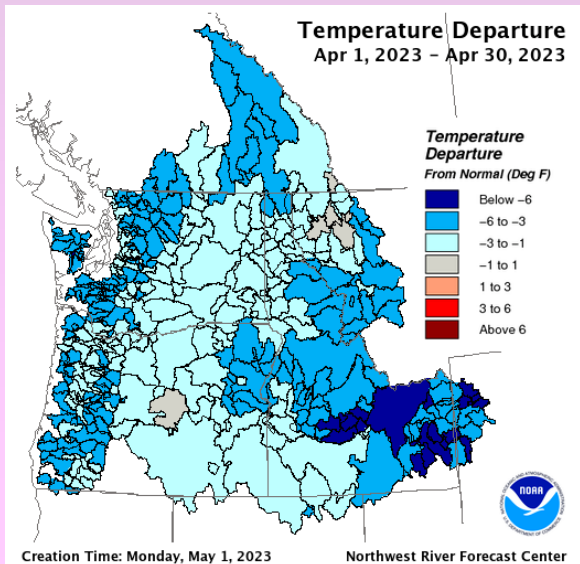
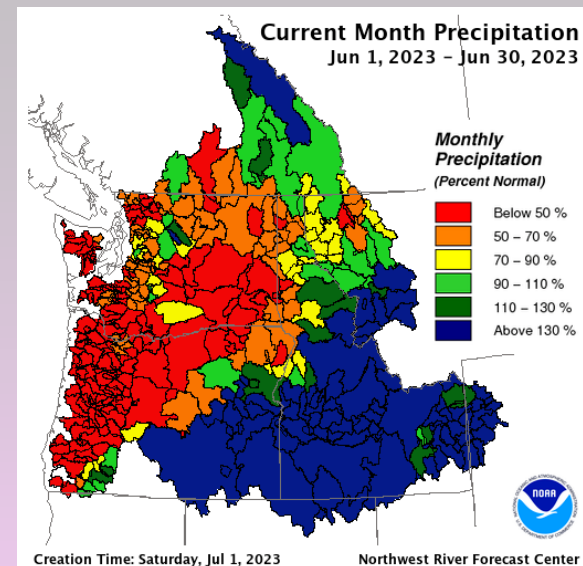
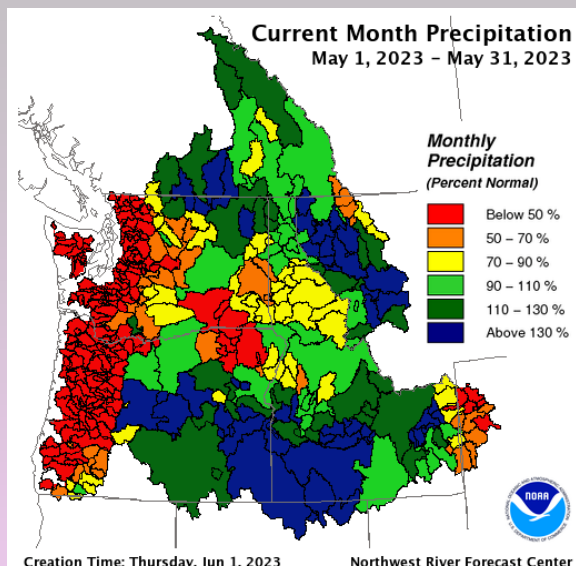
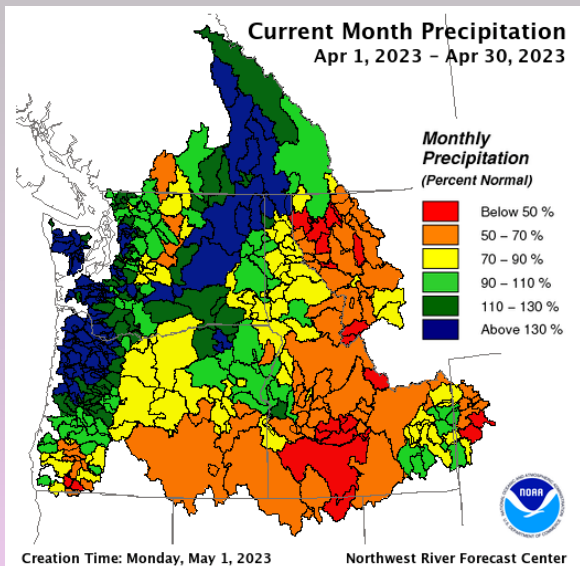
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SPRING: APRIL 2023 – JUNE 2023

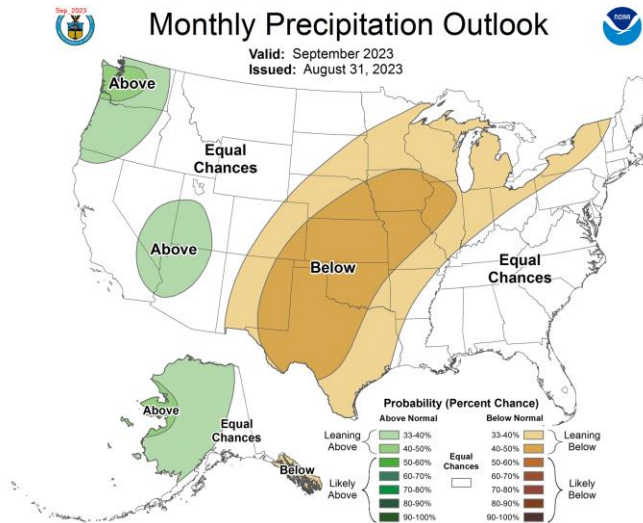
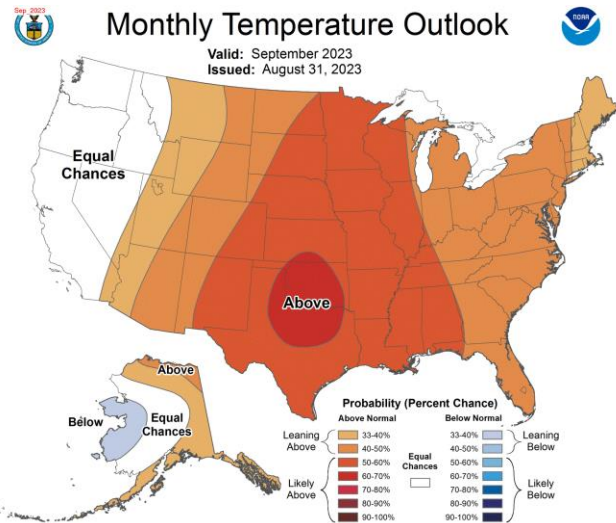
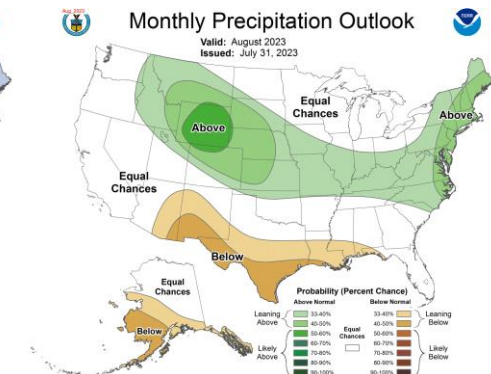
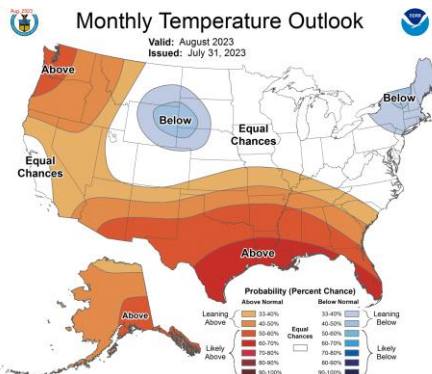
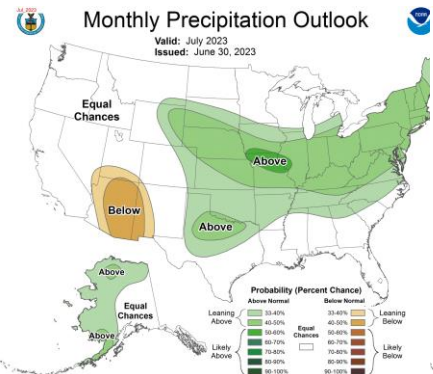
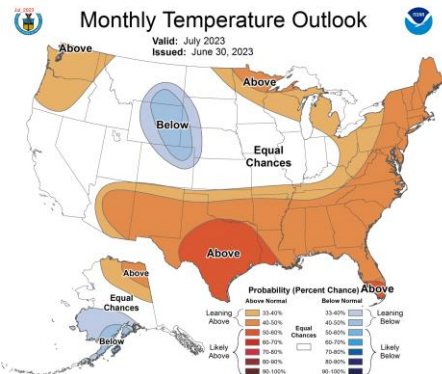


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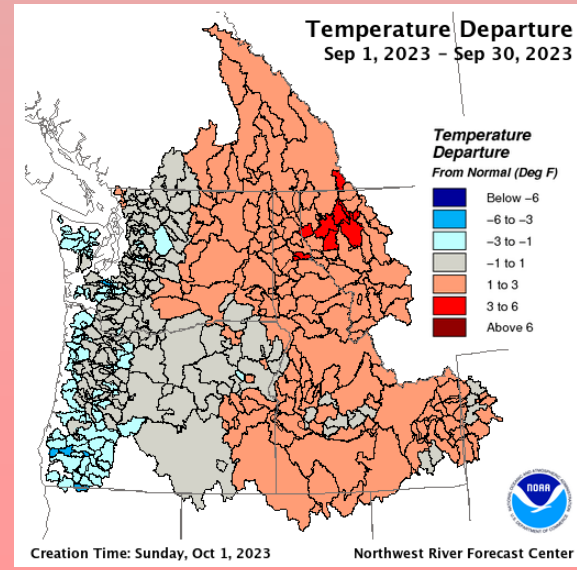
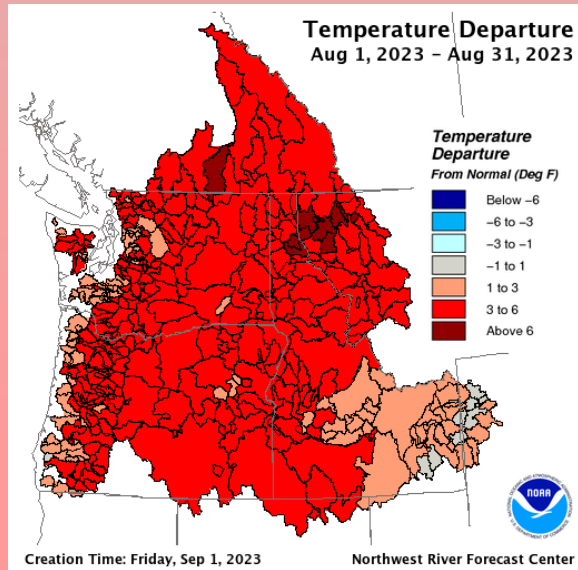
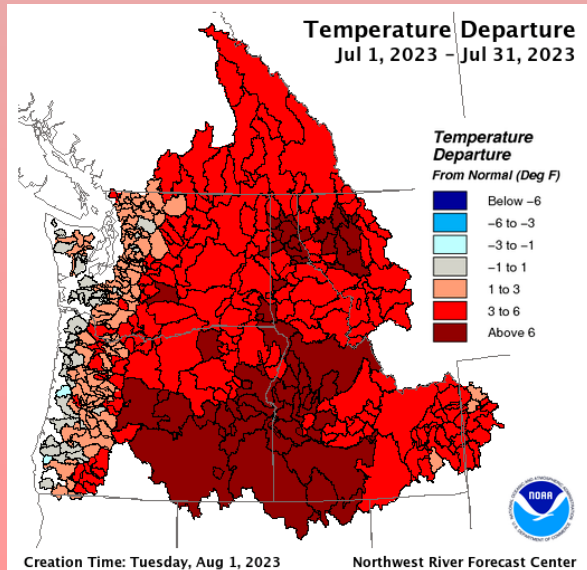
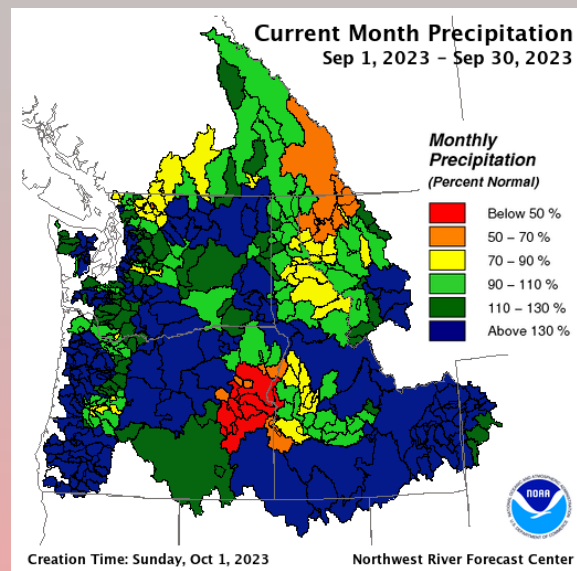
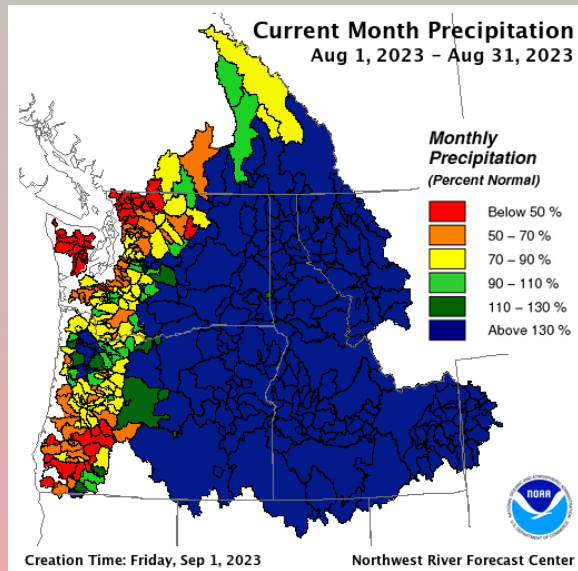
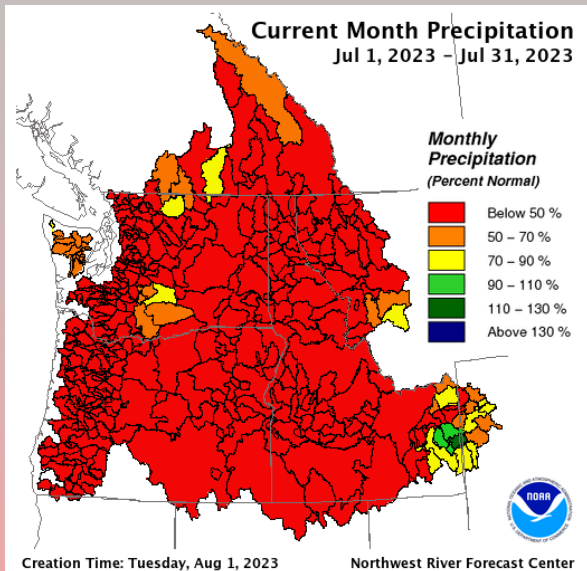
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SUMMER: JULY 2023 – SEPTEMBER 2023

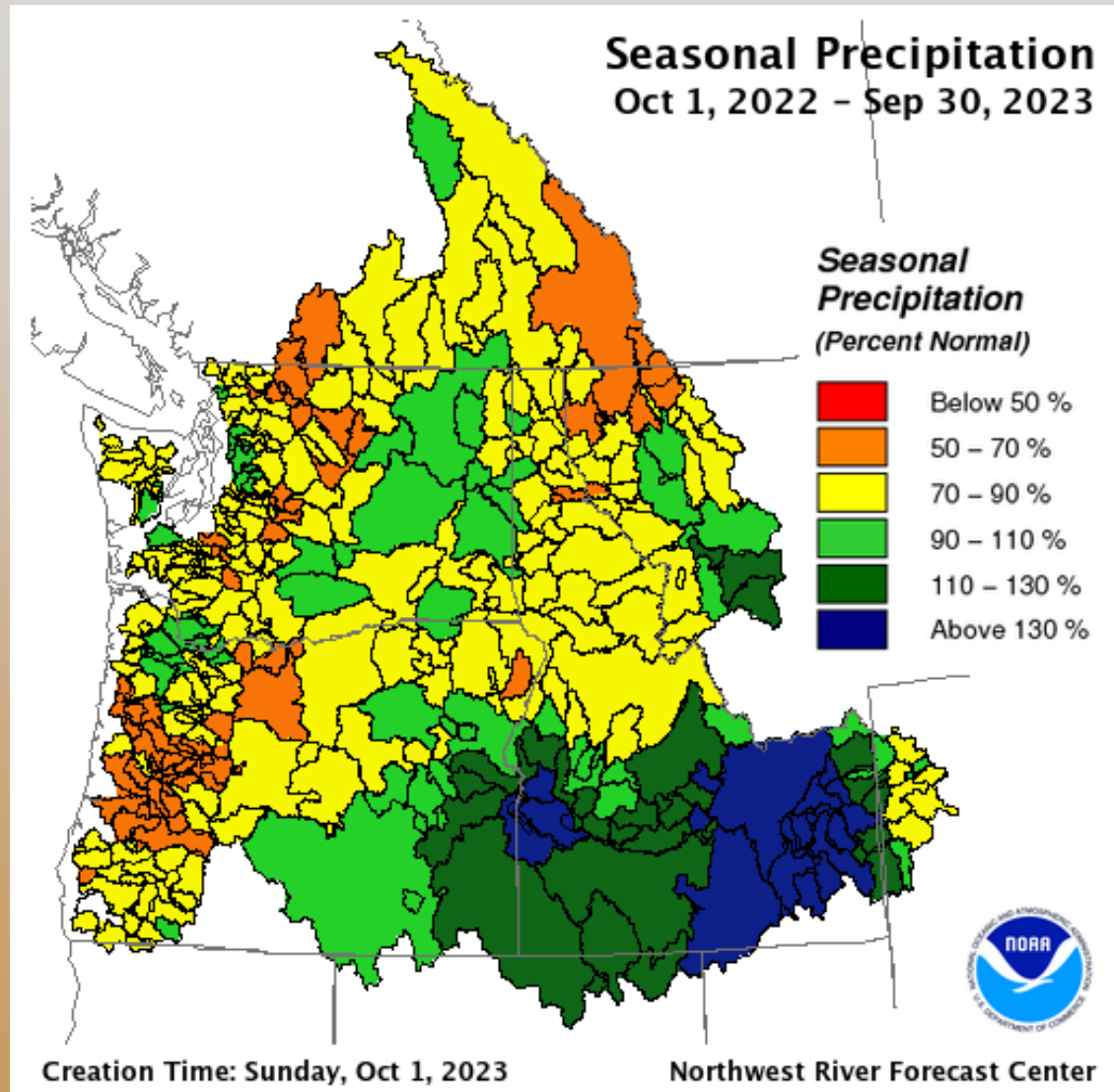


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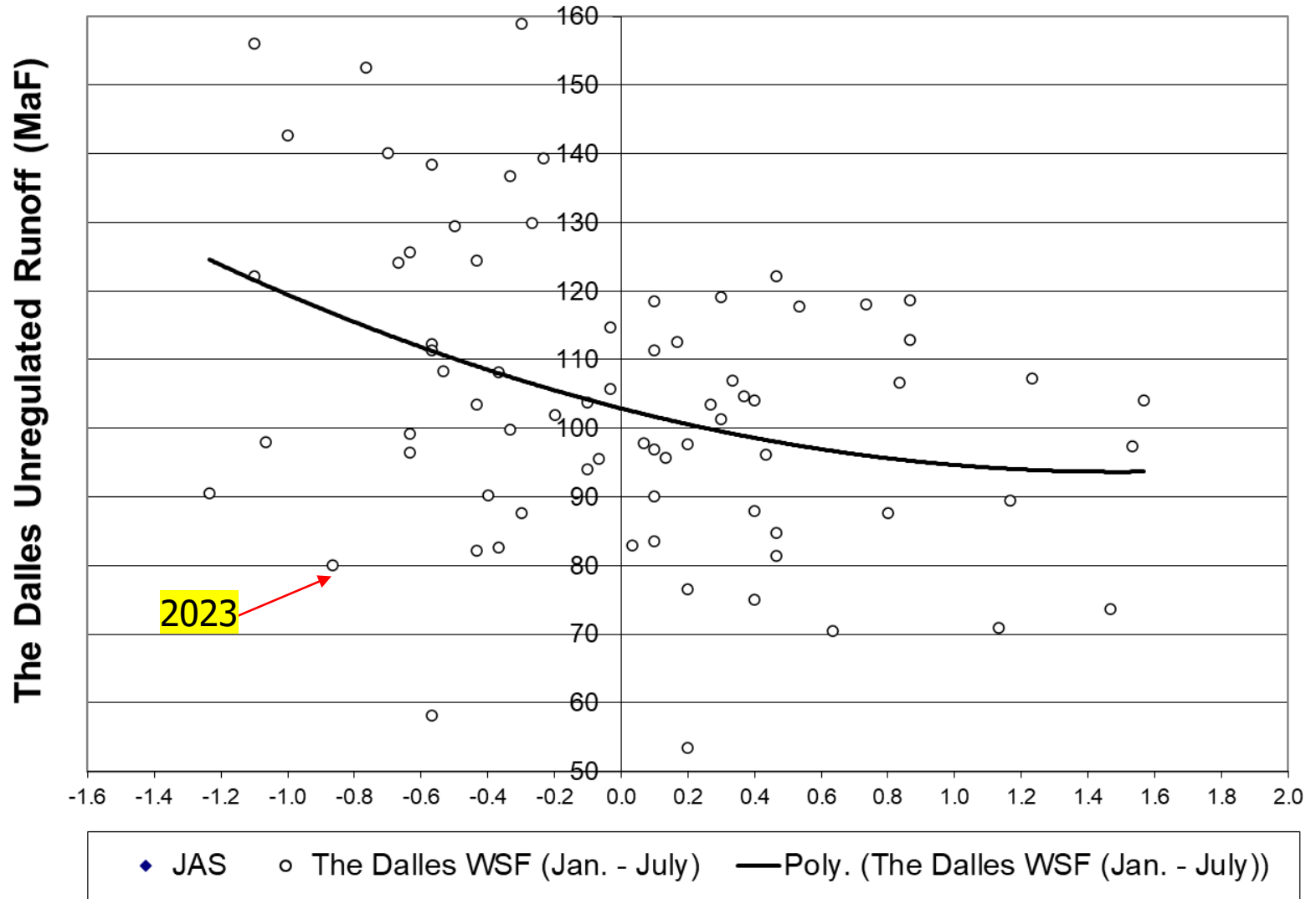


WY2023 Seasonal Precip



ONI vs. COLUMBIA AT THE DALLES HISTORIC RUNOFF

OCEANIC NINO INDEX vs. HISTORIC TDA RUNOFF





Summary

- WY2023 weather was highly variable and lots of unpredictability.
- Atmospheric Rivers. A record **26** events occurred vs. 10 average.
- A long-range ENSO forecast can often see differing on-the-ground results on a week-to-week and month-to-month basis.
- The mainstem WSFs were much lower than expected.
- This *La Niña* event was one of the driest events on record.
- Thank you for your time! What are your questions? 😊

