House Interim Committee on Water



Oregon Drought Status Update

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Water Supply Availability Committee (Chair)

Drought Readiness Council (Co-Chair)

November 17th, 2021

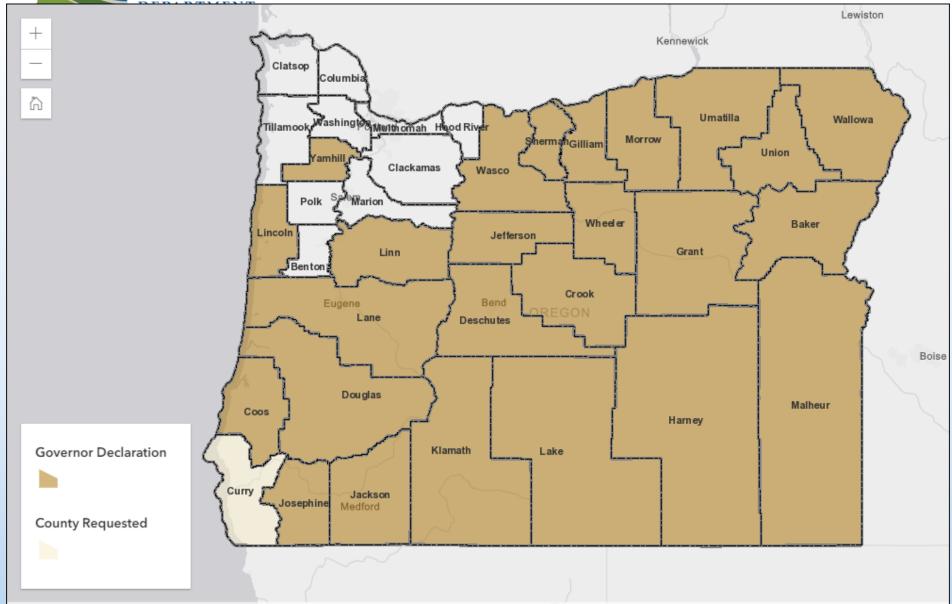


Overview of Conditions

- Second year of multi-year drought event
 - Impacts and severity arrived earlier
- Record low streamflows
 - Reduced water supply for instream and out-ofstream uses
- Historically dry soils
 - Poor vegetative conditions
 - Further exacerbating drought conditions



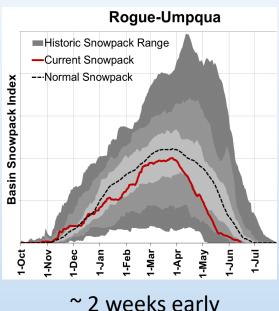
Drought Declaration Status Map



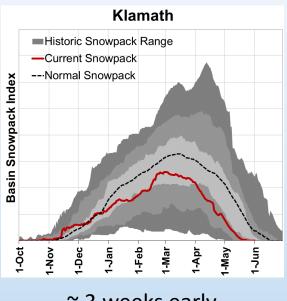


Early Snowpack Meltout

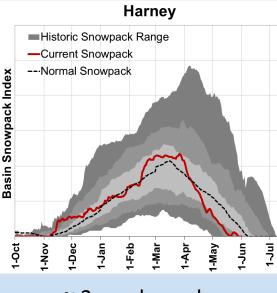
- Rapid, early snowpack meltout occurred in many basins
 - 1 4 weeks early
- Reduces summer streamflows and extends summer drought conditions







~ 3 weeks early

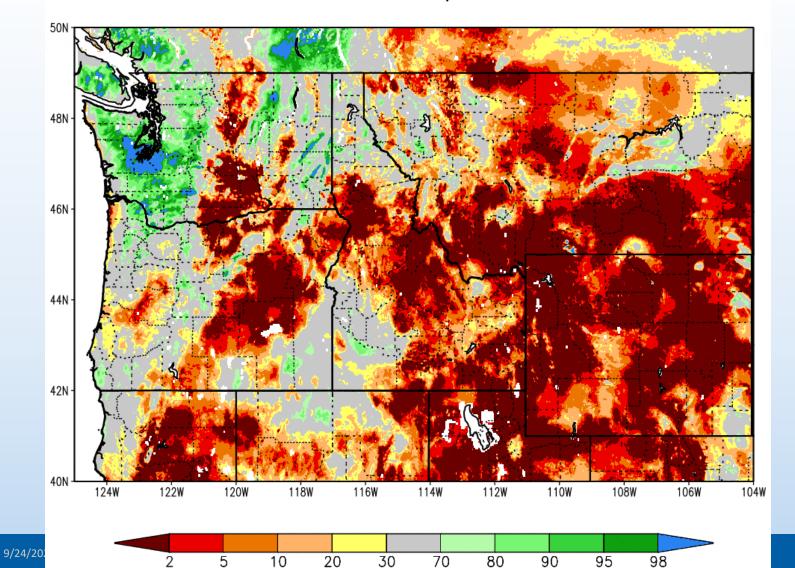


~ 3 weeks early



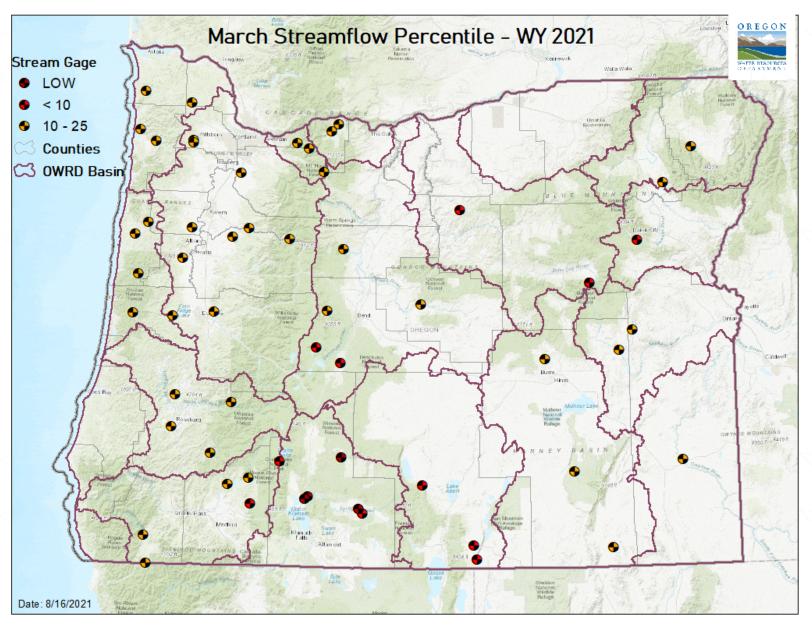
Low Soil Moisture Content

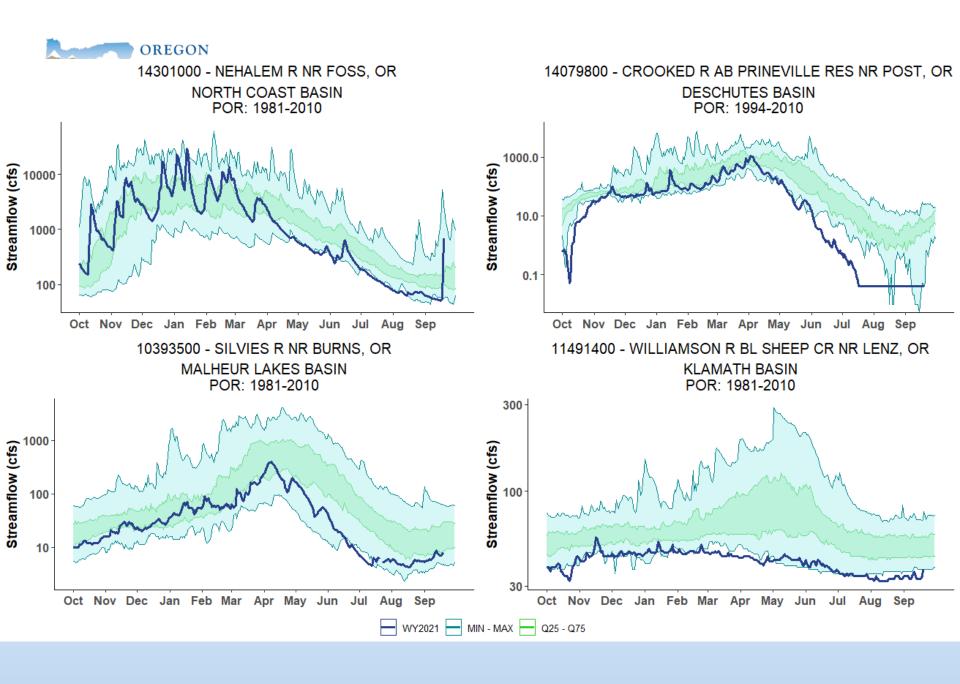
SPoRT-LIS 0-10 cm Soil Moisture percentile valid 16 Jun 2021





Sustained Record Low Streamflows



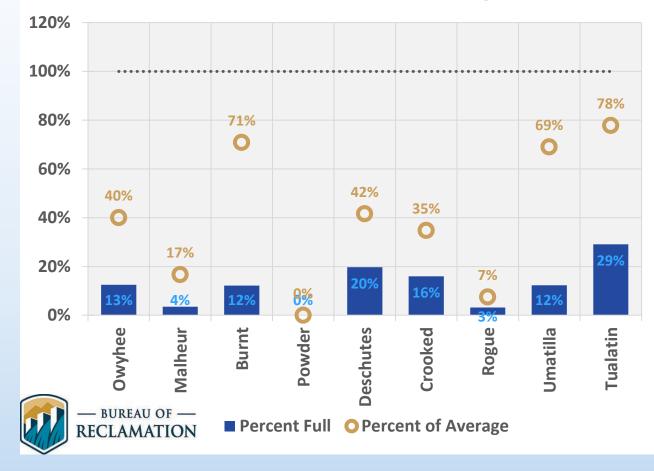




- Early shutoff in many BOR and USACE systems
- Reduced allotments and curtailment measures implemented
- Klamath Basin storage also well below average
 - 13% Clear Lake
 - 38% UKL
- Record low carryover for WY 2022

Reservoir Storage

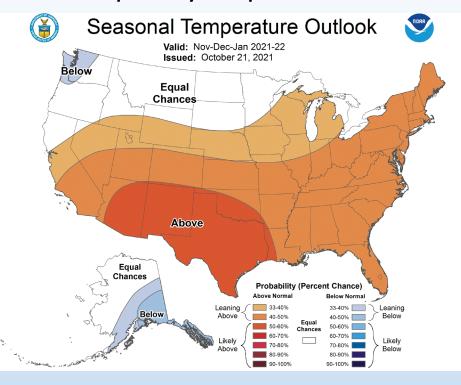


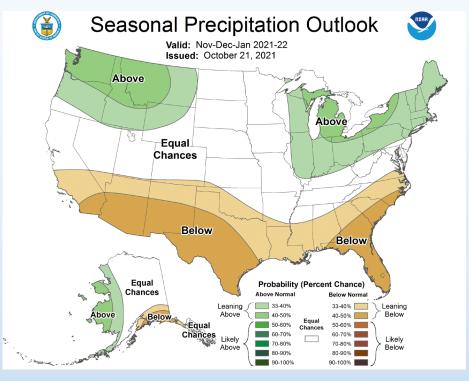




Climate Outlook

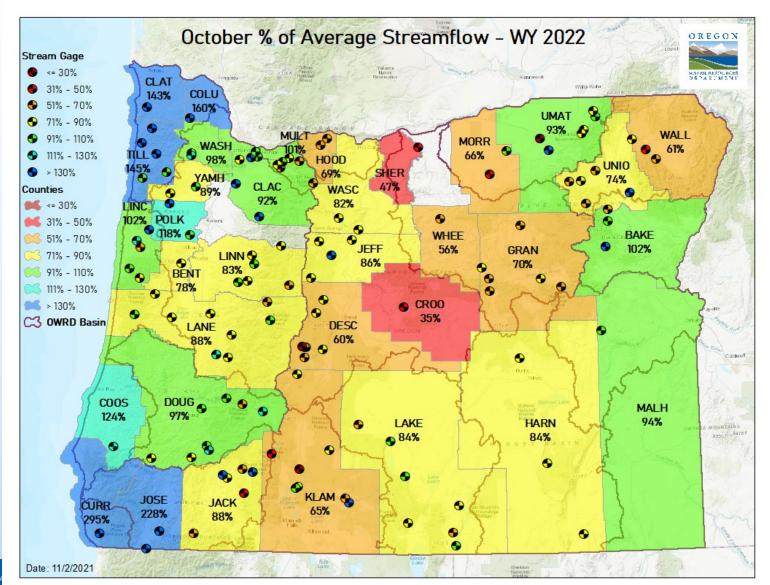
- Probabilities favor above average precipitation for most of state
- Temporary respite from current conditions







Water Year 2022





Recent Streamflows

