

3 Oregon SNOTEL Sites with Remaining measurable SWE – June 12, 2018

GRANDE RONDE, POWDER, BURNT, IMNAHA

Aneroid Lake #2 7400' SWE = 2.6" Normal = 8.7" Percent Normal = 30%

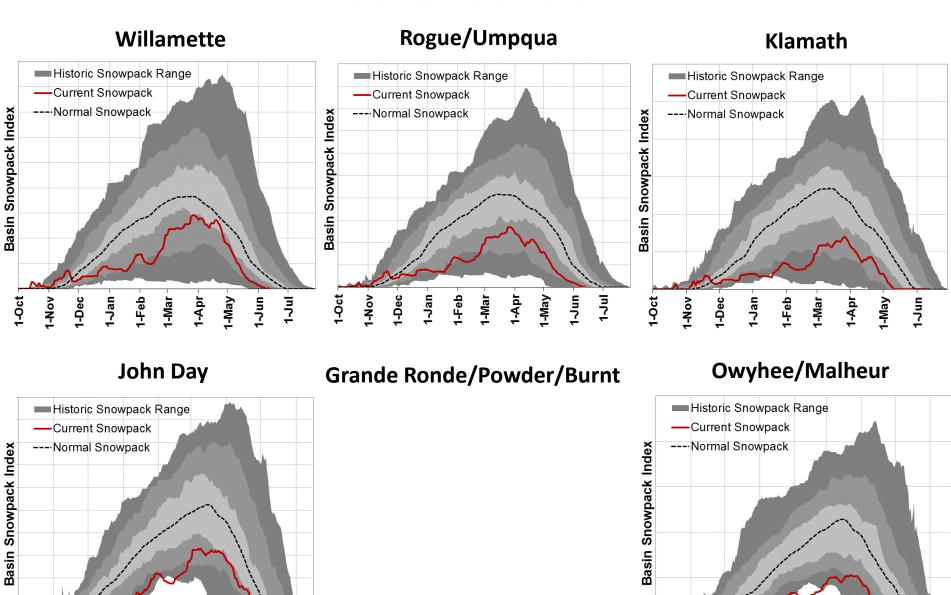
HOOD, SANDY, LOWER DESCHUTES

Mt. Hood Test Site 5370' SWE = 0.6" Normal = 34.4" Percent Normal = 2%

WILLAMETTE

Summit Lake 5610' SWE = 0.3" Normal = 19.9" Percent Normal = 2%

Water Year 2018 – June 12th



1-0ct

1-Dec

1-Nov

1-Feb

1√an

1-Mar

1-Apr

1-Мау

1-7 m

1-May

1√Jun

1-Feb

1-Jan

1-Mar

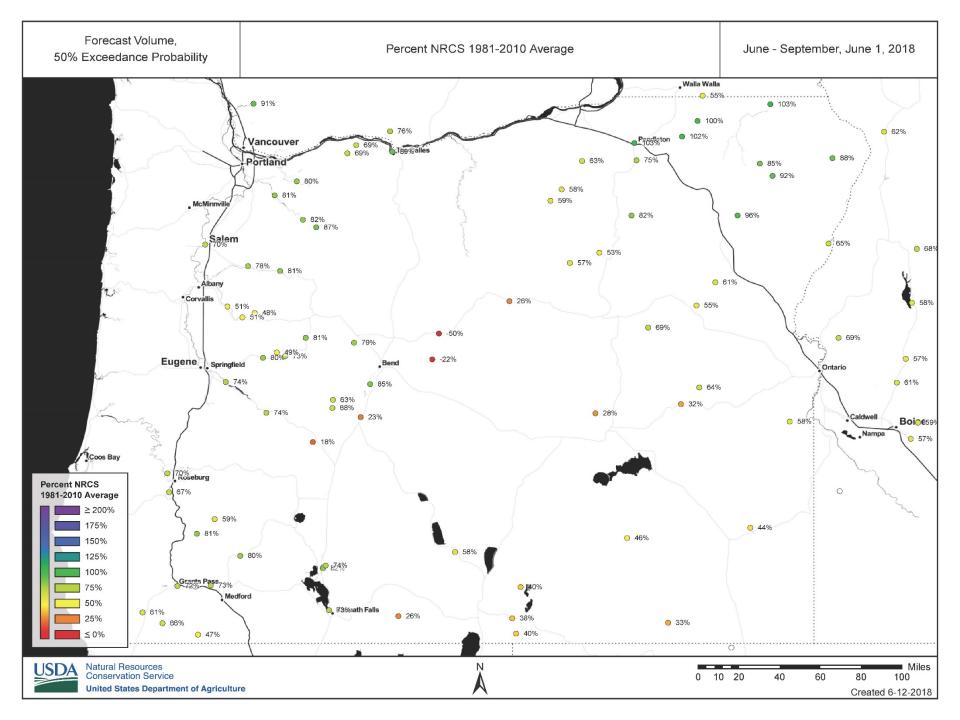
1-Nov

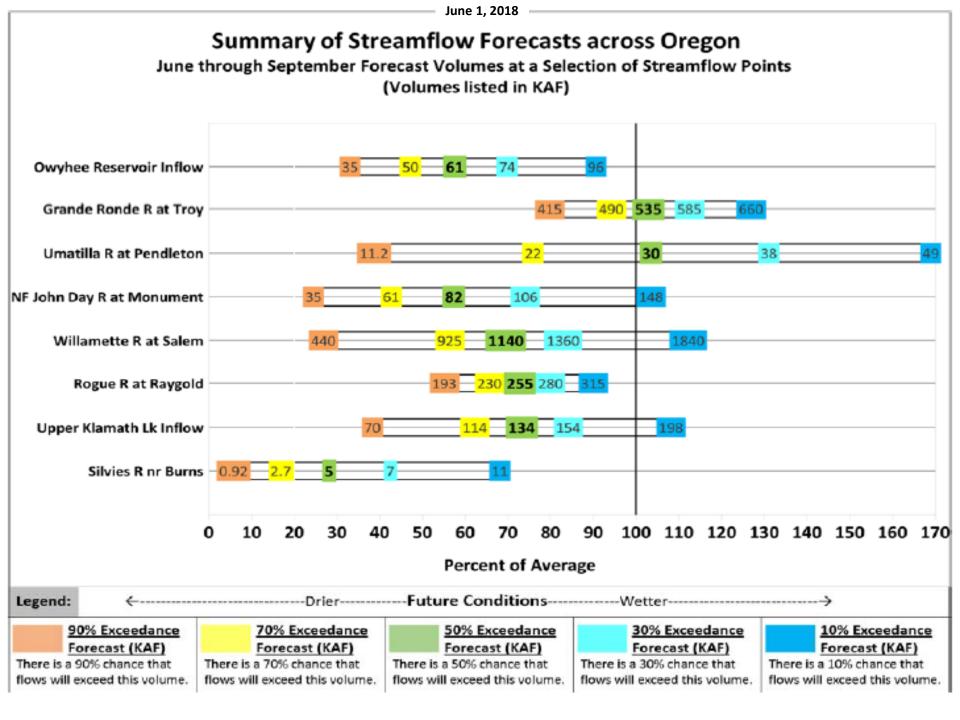
1-Dec

Statewide SNOTEL Precipitation is 89% of normal on June 12, 2018 Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal Jun 12, 2018 Hood, Sandy, Umatilla, Walla Walla, Willow **Lower Deschutes** Grande Ronde Notice: We anticipate this map Powder, Burnt, will not be available next year Pendleton Imnaha due to staffing constraints. 104 Alternate maps: 97 Enterprise https://go.usa.gov/xnzxk Portland 103 Water Year (Oct 1) to Date Precipitation Salem Willamette Basin-wide Percent 85 Baker City of 1981-2010 Average 89 John Day unavailable * 82 <50% 50 - 69% Malheur Bend 70 - 89% 80 Upper Deschutes, 90 - 109% Crooked OBurns 110 - 129% 130 - 149% Lake County, >=150% Rogue, Umpqua Goose Lake W * Data un available at time of posting or measurement is not representative at this 86 80 time of year Harney Klamath 87 Provis ional Data Owyhee Subject to Revision 81 Medford Miles 0 10 20 60 80

The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNO TEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by: USDA/NRCS National Water and Climate Center Portland, Oregon http://www.wcc.nrcs.usda.gov





Thank you

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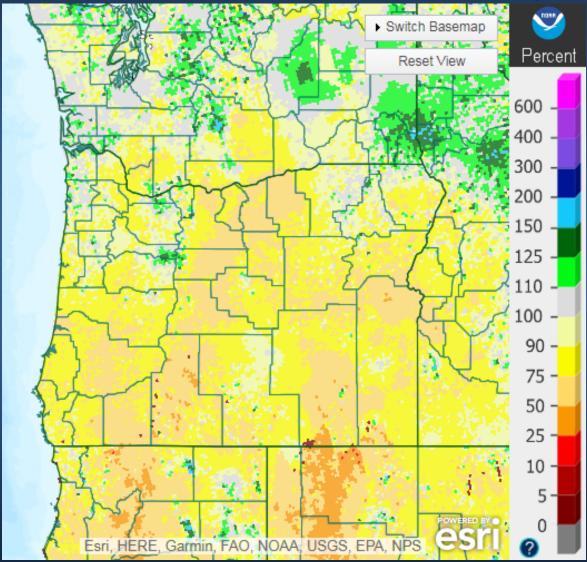






WY2018 Precipitation thus far





Source: water.weather.gov/precip/index.php?location_type=wfo&location_name=pqr

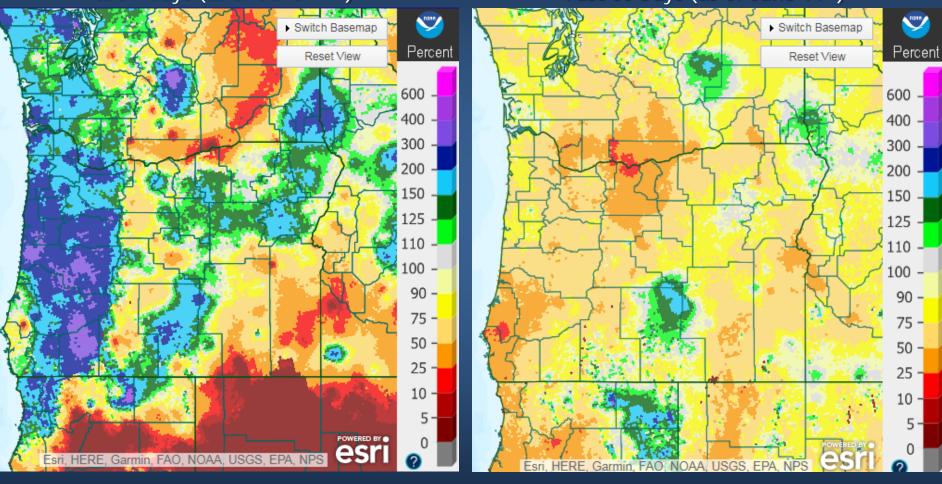


Recent Precipitation

Percent of Average



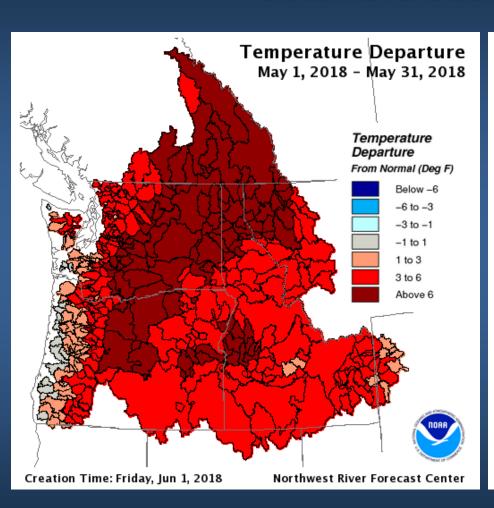
Past 60 Days (as of June 11th)

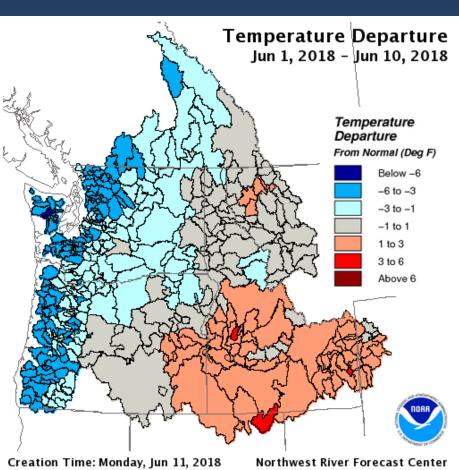




Recent Temperatures

Columbia Basin Conditions







Drought Monitor

U.S. Drought Monitor

May 8, 2018

(Released Thursday, May. 10, 2018)

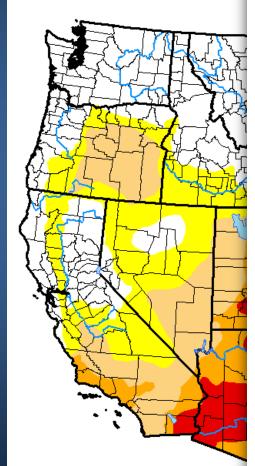
West

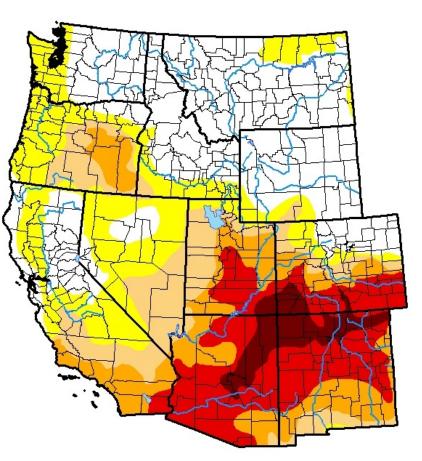
U.S. Drought Monitor

West

June 5, 2018

(Released Thursday, Jun. 7, 2018)
Valid 8 a.m. EDT





Intensity:

D0 Abnormally Dry

D1 Moderate Drought

D2 Severe Drought

D3 Extreme Drought

D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Anthony Artusa NOAA/NWS/NCEP/CPC







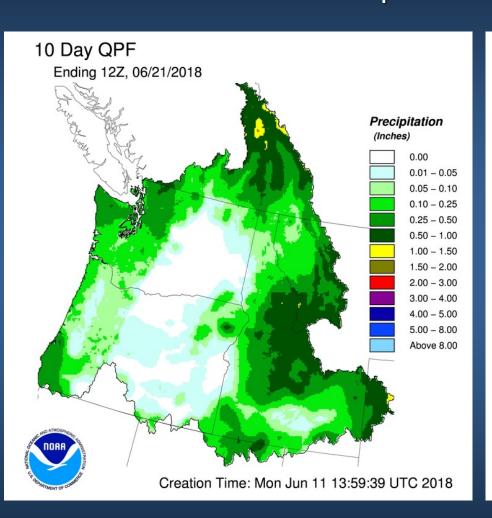


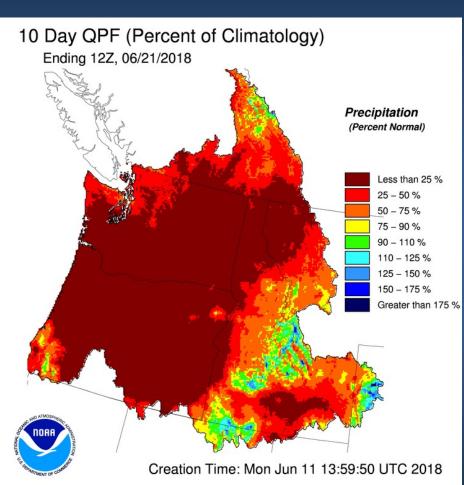
http://droughtmonitor.unl.edu/



Mid-June Outlook

Forecast Precipitation June 12 - 21, 2018

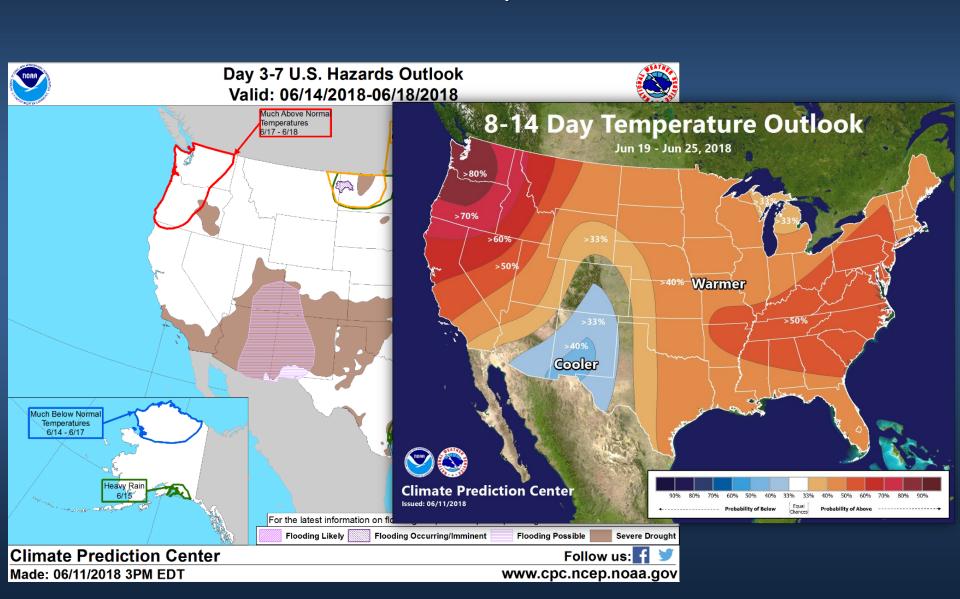






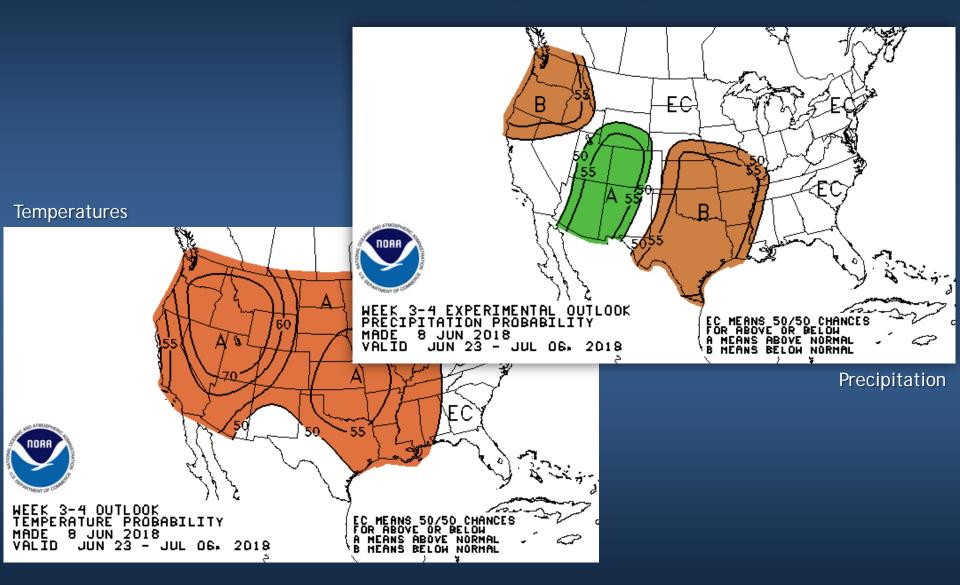
Mid/Late-June Outlook

Forecast Temperatures



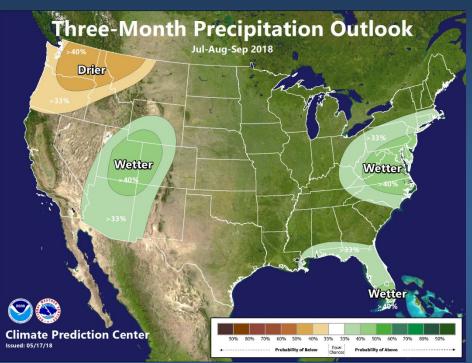


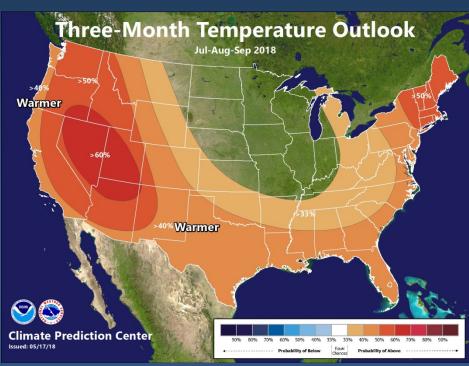
Late-June / Early-July Outlook





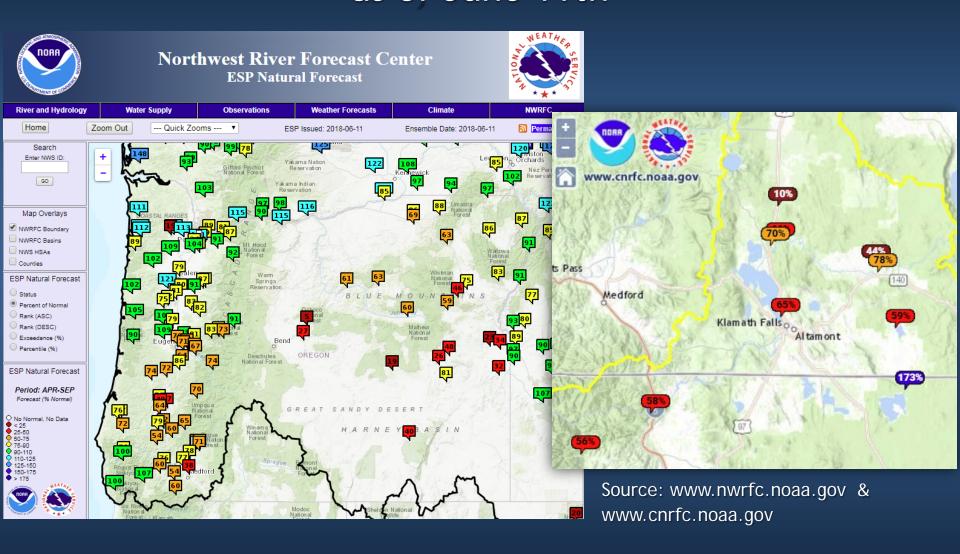
Outlook for July-August-September 2018





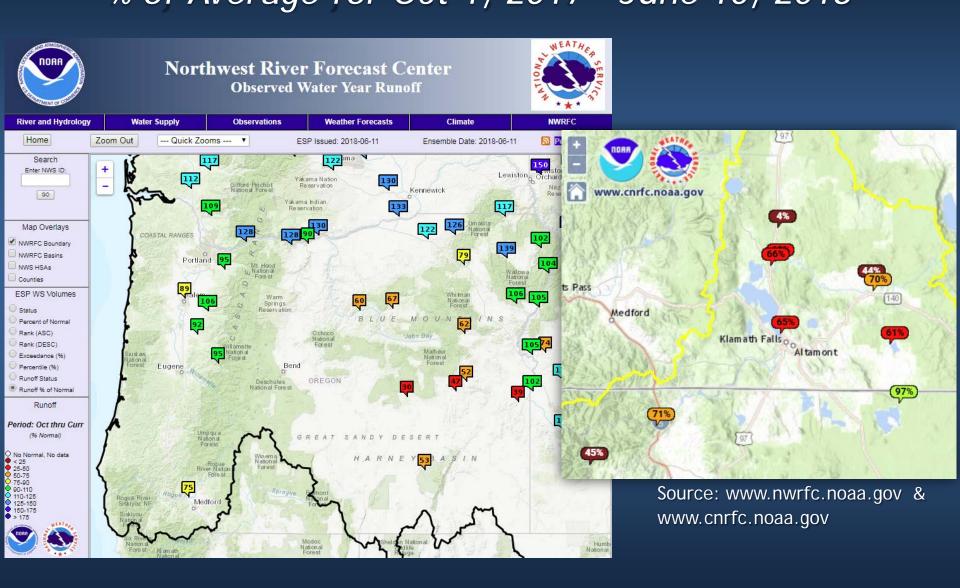


Water Supply Forecasts as of June 11th





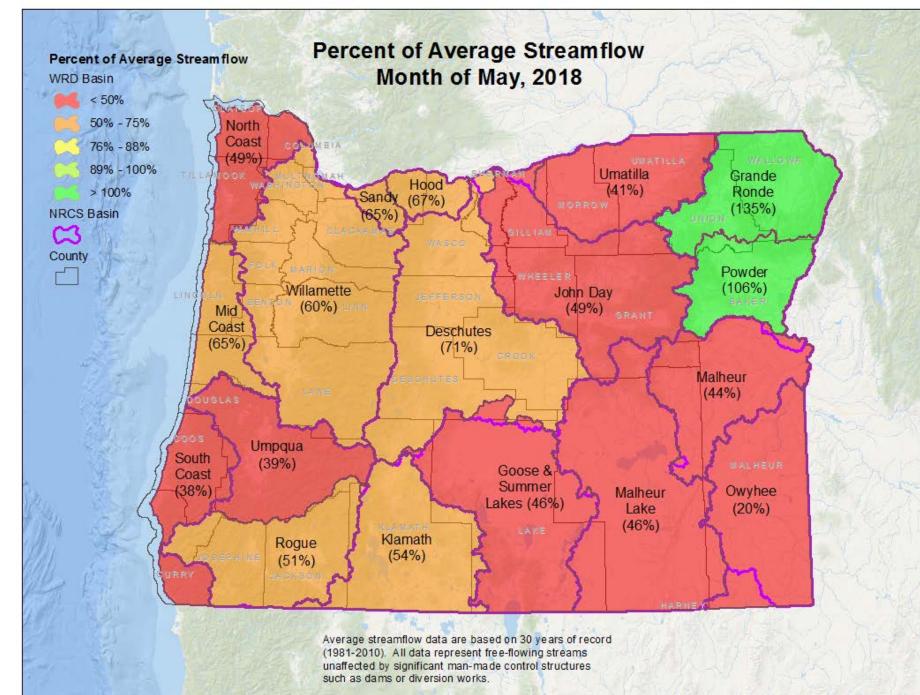
Observed Water Year Runoff % of Average for Oct 1, 2017 - June 10, 2018



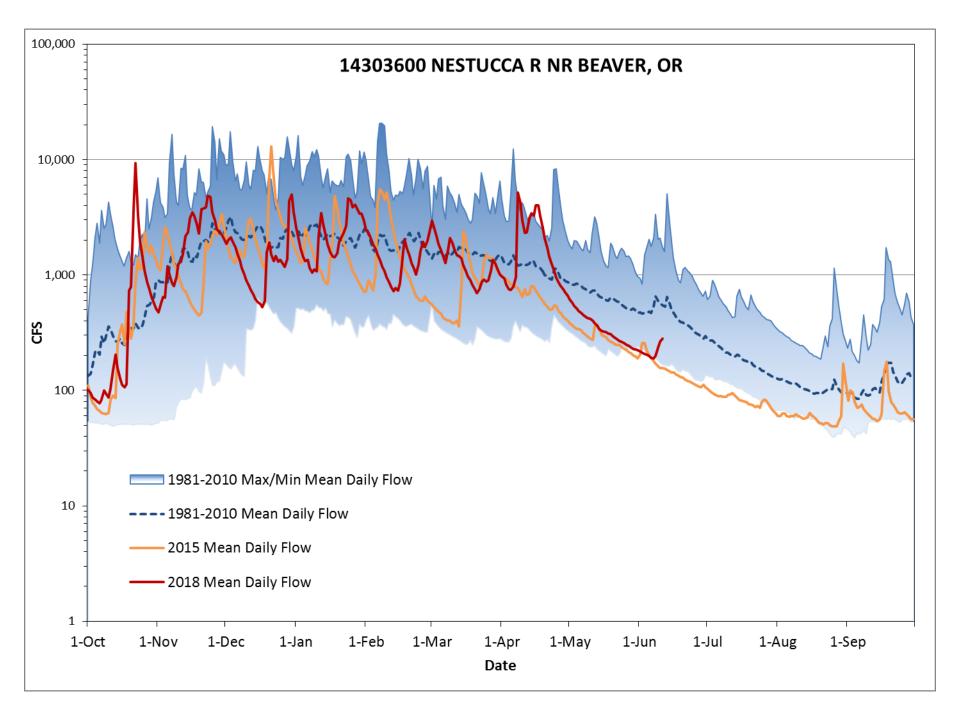
Surface Water Conditions Report Water Supply Availability Committee

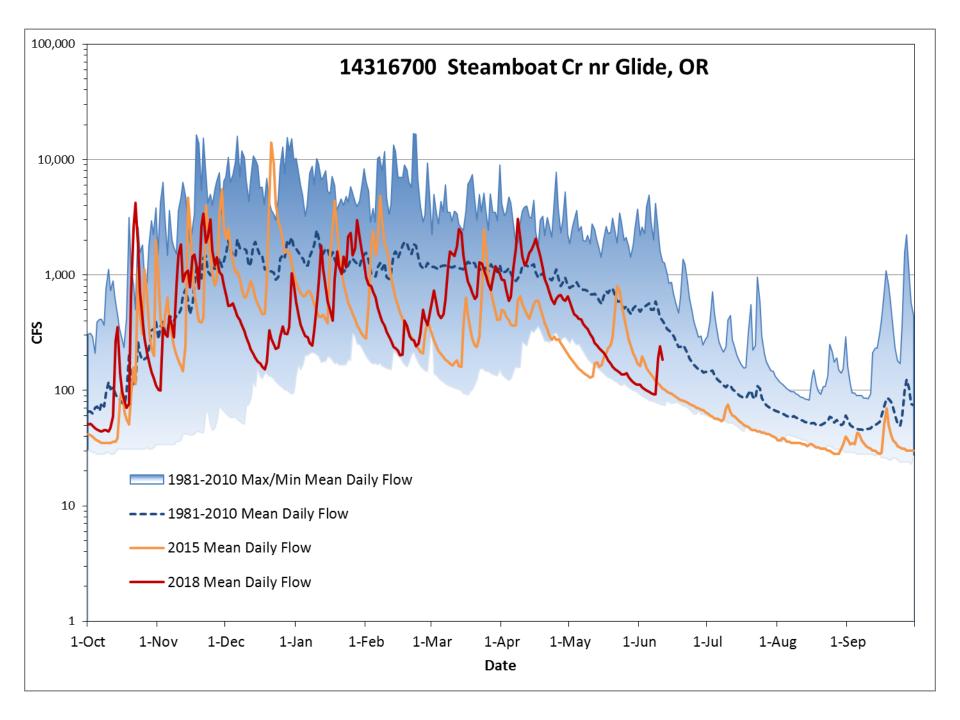


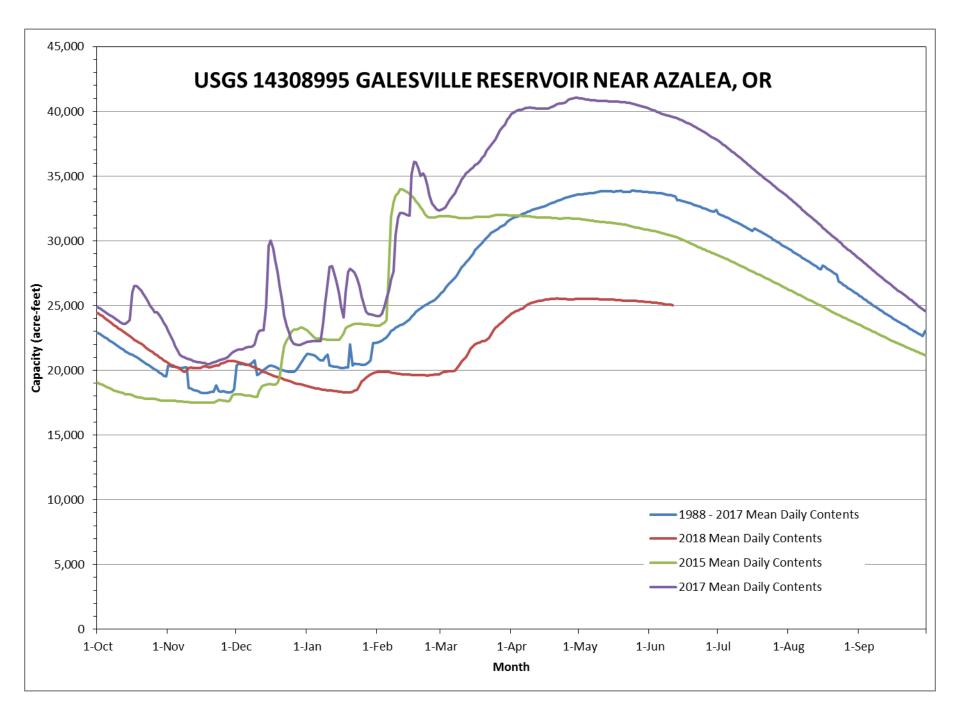


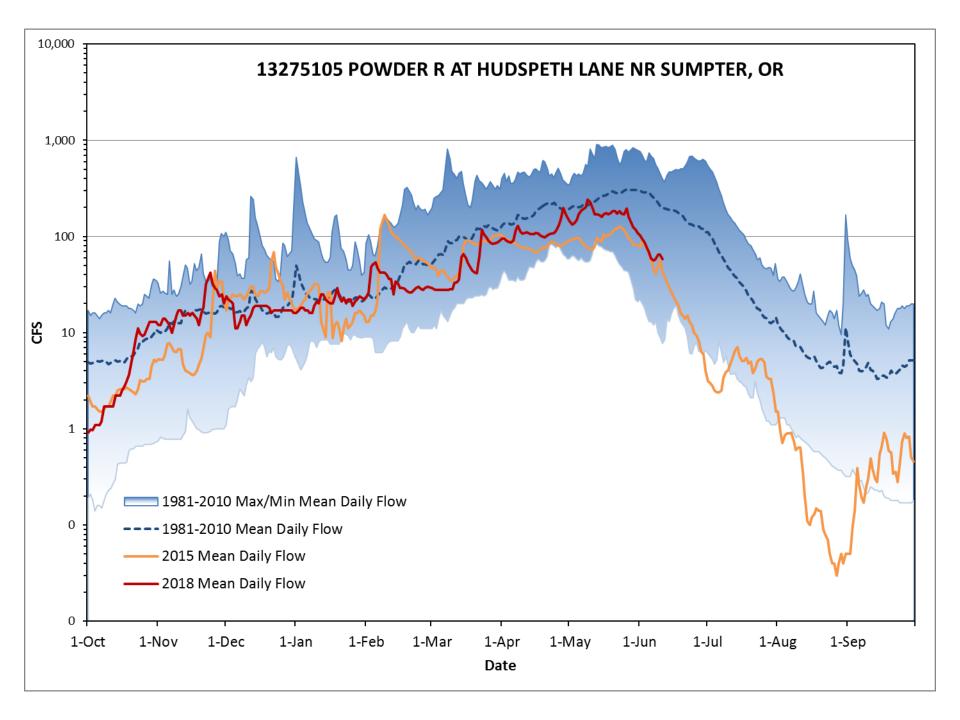


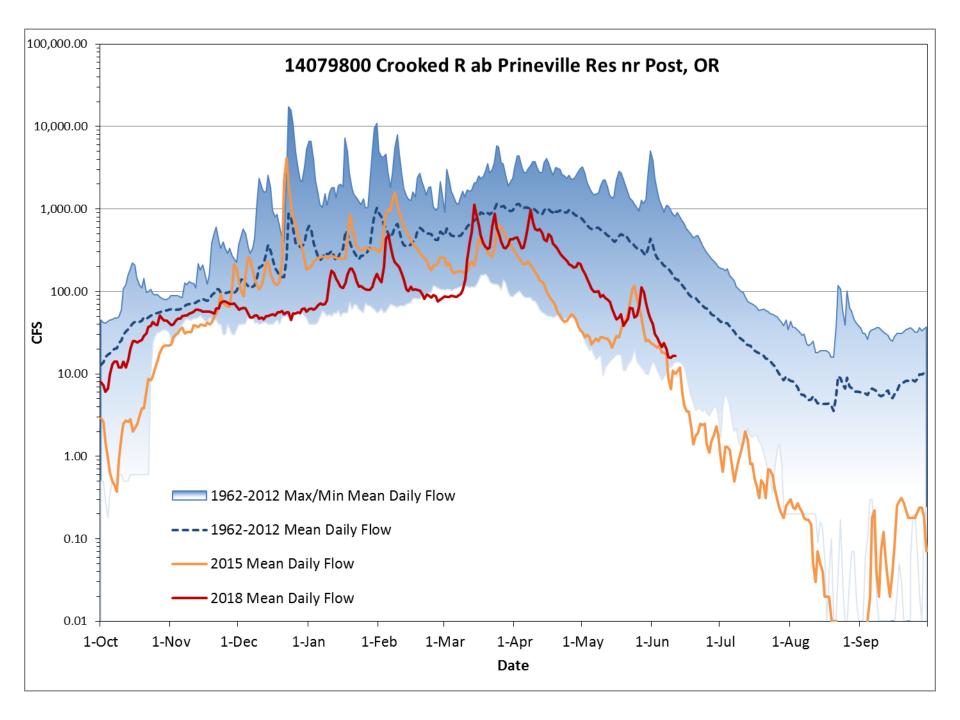
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors





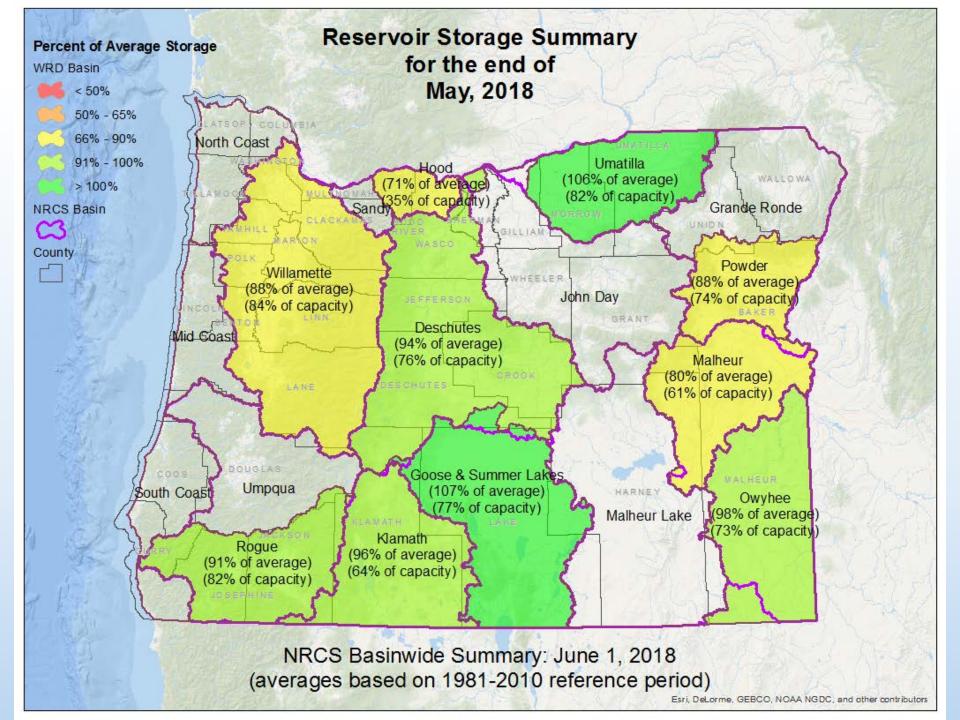








Thank you.





Oregon Water Supply Availability

June 2018

USGS Update on Surface Water Conditions

Marc Stewart & Carrie Boudreau

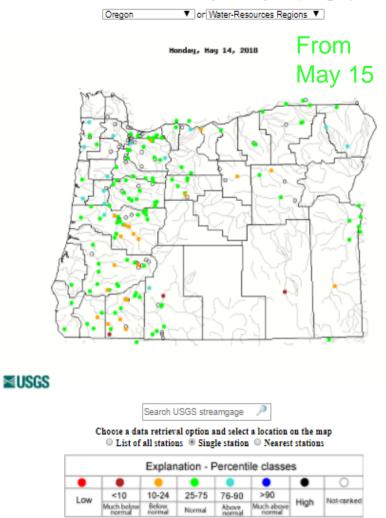
USGS ORWSC

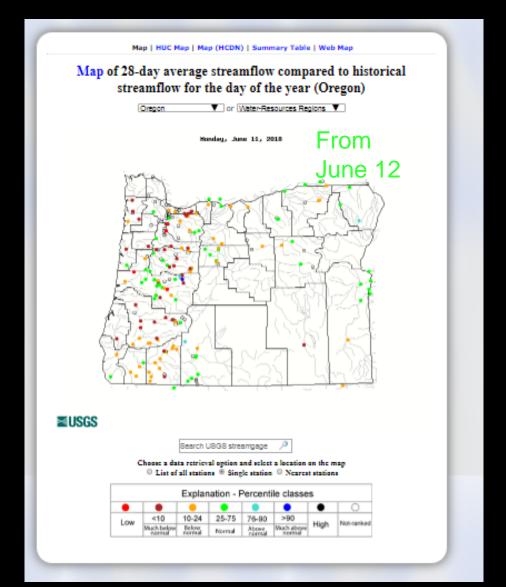
Provisional Data Statement

Data are provisional and subject to revision until they have been thoroughly reviewed and received final approval.

Oregon Map of 28-day average streamflow compared to historical streamflow for the day of the year

Map of 28-day average streamflow compared to historical streamflow for the day of the year (Oregon)





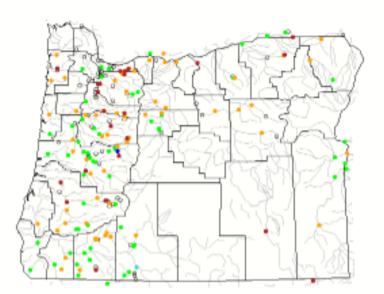
Oregon Map of 7-day average streamflow compared to historical streamflow for the day

of the year

■USGS

Map of 7-day average streamflow compared to historical streamflow for the day of the year (Oregon)





Search USGS streamgage P

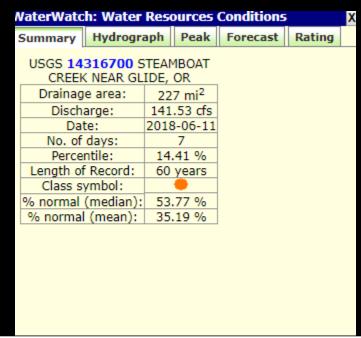
Choose a data retrieval option and select a location on the map

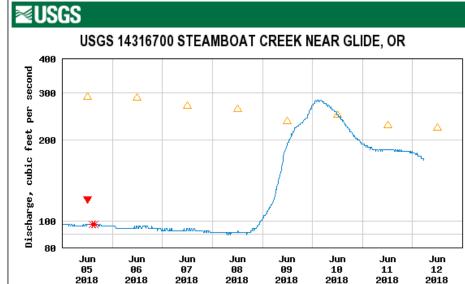
Explanation - Percentile classes								
•	•		•	•	•	•	0	
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked	
LOW	Much below				Vauch above			

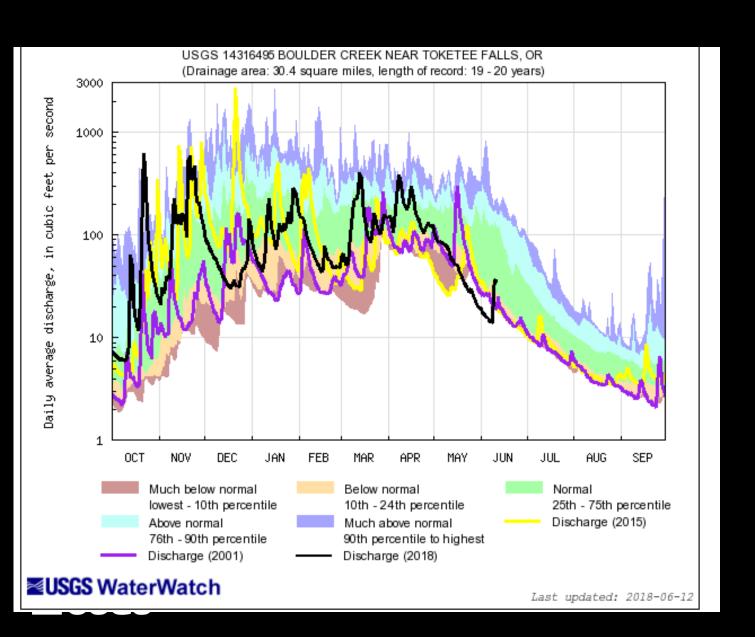
List of all stations

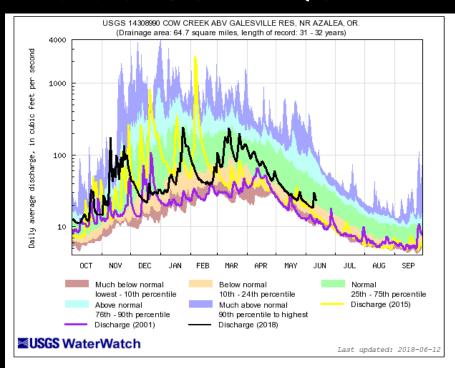
Single station

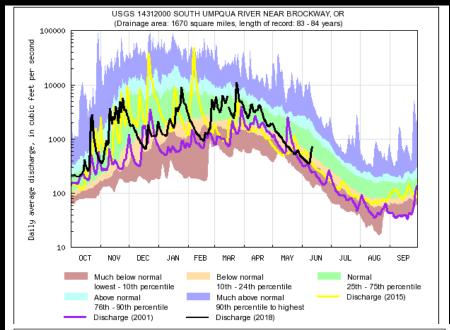
Nearest stations

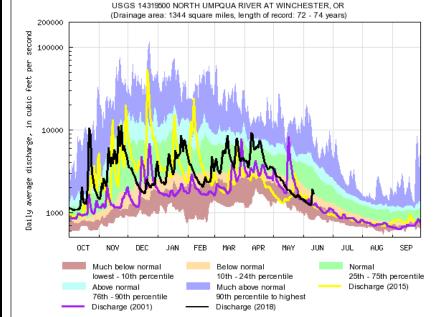






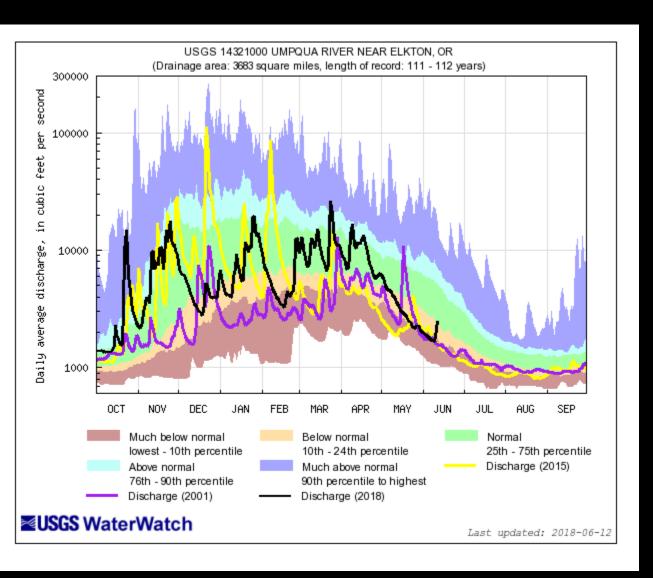






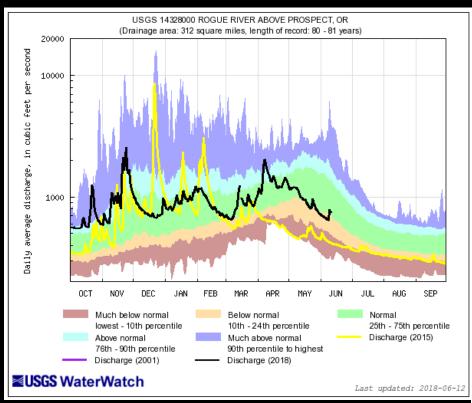
■USGS WaterWatch

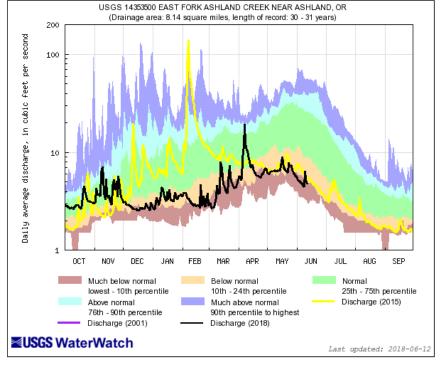




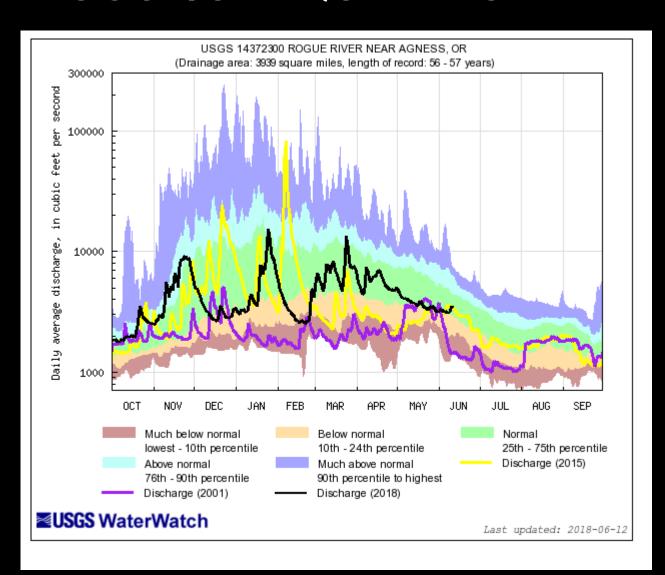
Flow was 55% of Average For May.









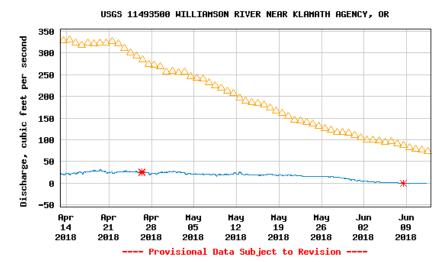


May monthly Avg. flow 69% of Average for April (1981-2010)



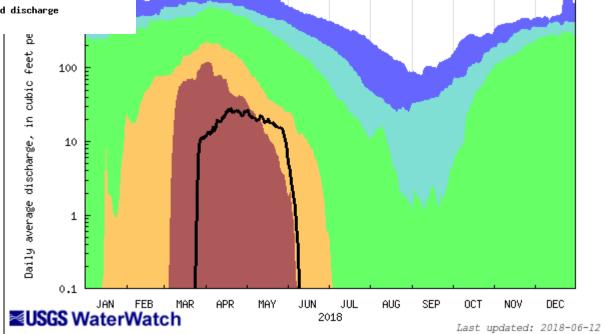
KLAMATH BASIN 11493500 WILLIAMSON RIVER NEAR

KLAMATH AGENCY, OR



🛆 Median daily statistic (60 years) 💥 Measured discharge

— Discharge

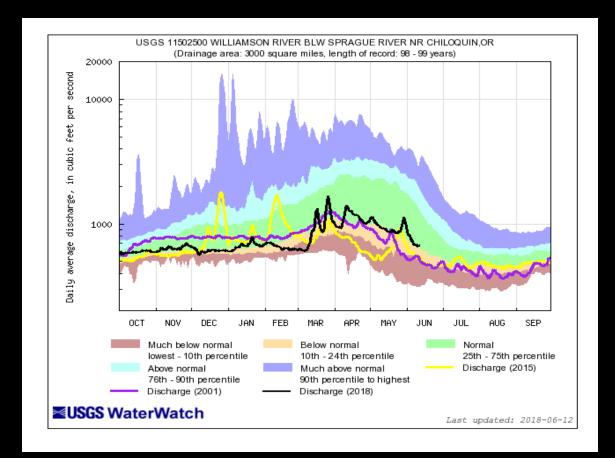


USGS 11493500 WILLIAMSON RIVER NEAR KLAMATH AGENCY, OR

(Drainage area: 1290 square miles, length of record: 59 - 60 years)



KLAMATH BASIN

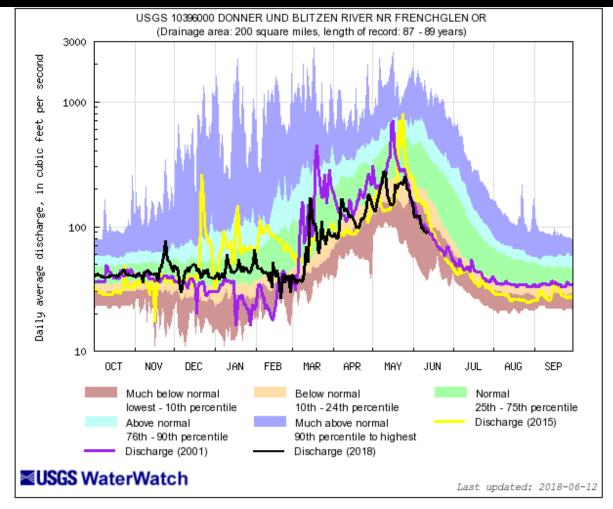


Note flow increase early June not from recent event

* May 61% Avg.

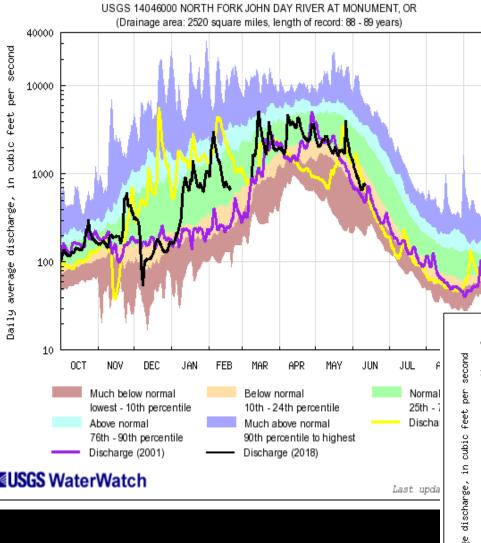


DONNER BLITZEN & HARNEY BASIN

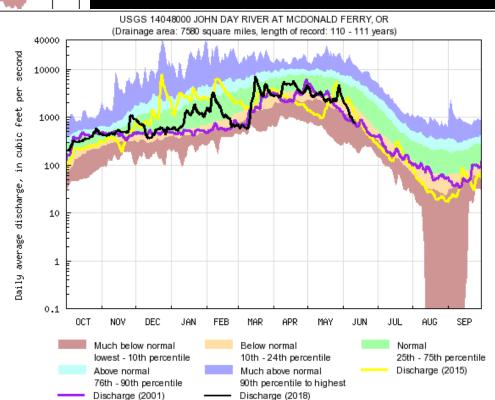


46% Avg. flow May

E	Explana	tion - Pe	rcentile	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	

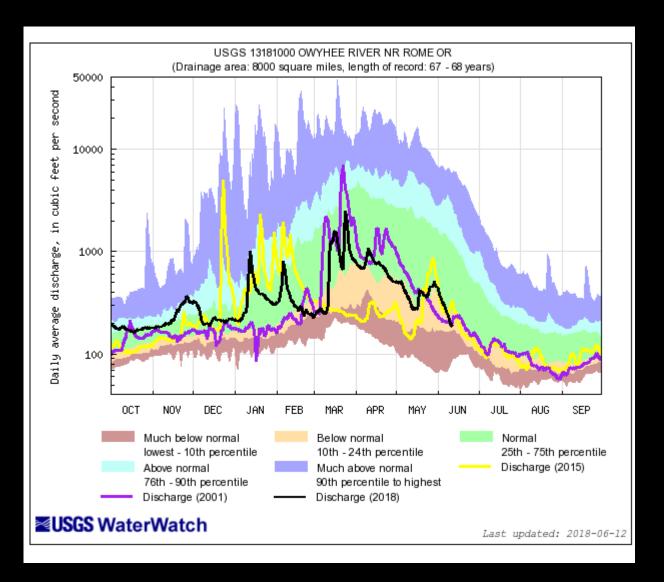


UPPER JOHN DAY





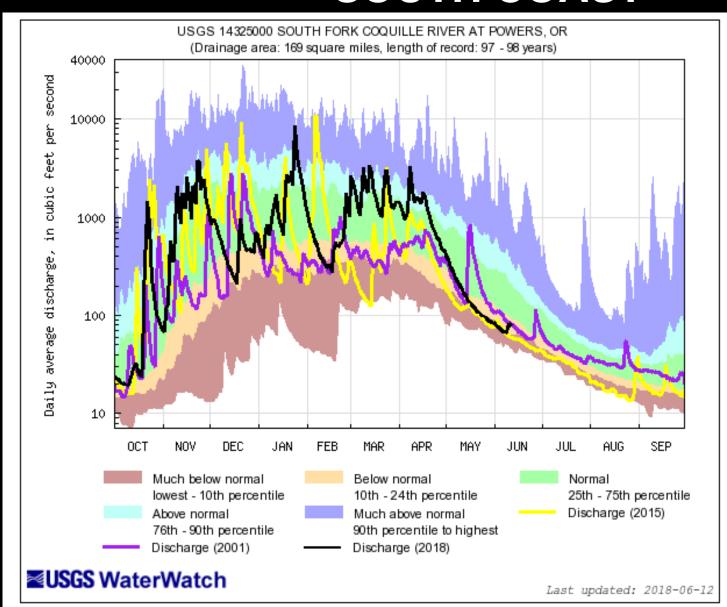
OWYEE BASIN



May flow was 27% of Average for (1981-2010)

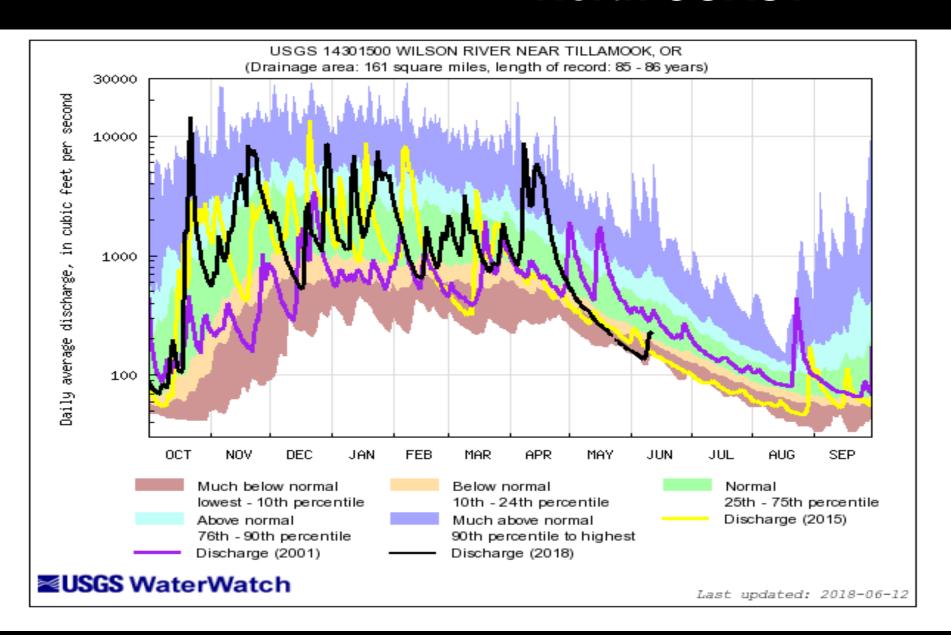


SOUTH COAST

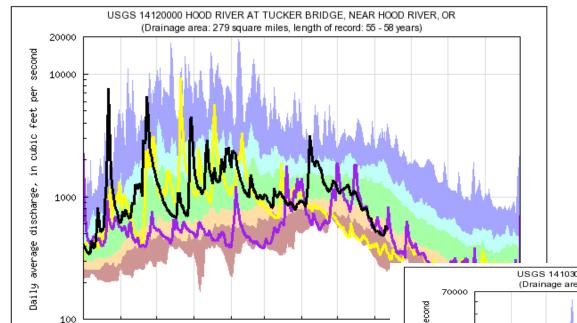




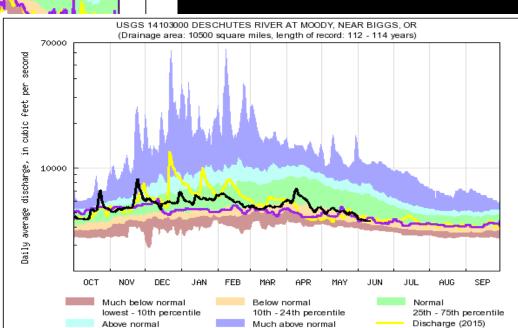
North COAST



LOWER DESCHUTES / MT HOOD



May flows 75% normal



90th percentile to highest

Last updated: 2018-06-12

Discharge (2018)

76th - 90th percentile

Discharge (2001)

■USGS WaterWatch



OCT

■USGS WaterWatch

NOV

Above normal

Much below normal

lowest - 10th percentile

76th - 90th percentile

Discharge (2001)

DEC

JAN

FEB

MAR

Below normal

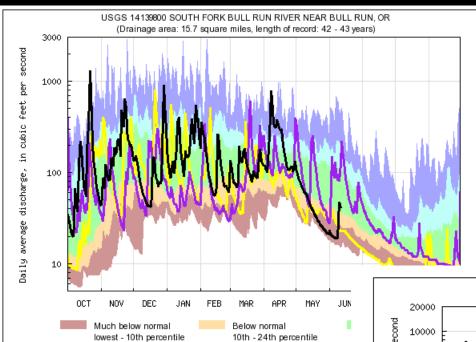
10th - 24th percentile

90th percentile to highest

Much above normal

Discharge (2018)

MAY

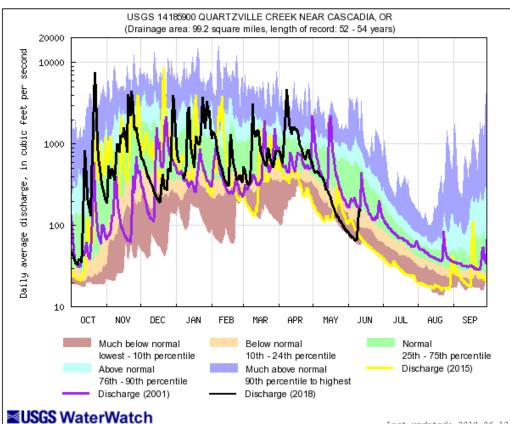


Much above normal

Discharge (2018)

90th percentile to highest

Other



Last updated: 2018-06-12



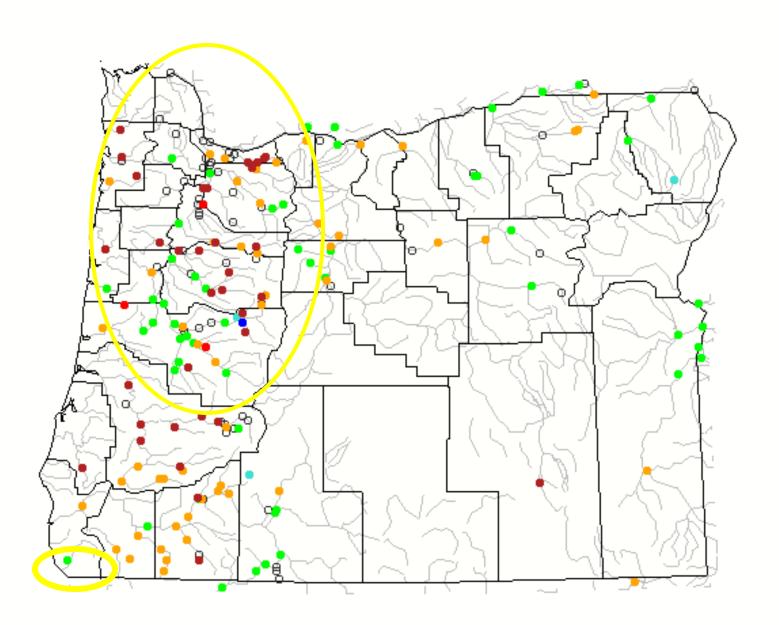
Above normal

■USGS WaterWatch

76th - 90th percentile

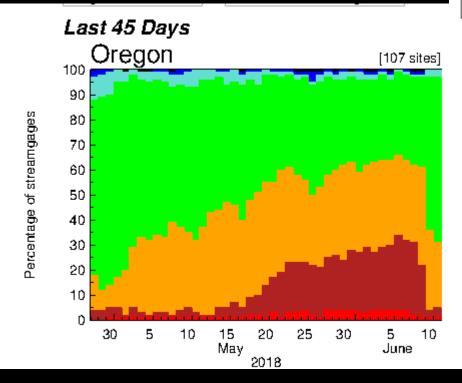
Discharge (2001)

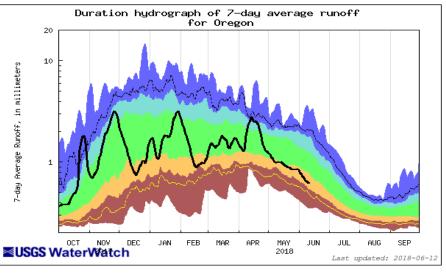
Monday, June 11, 2018



https://or.water.usgs.gov/data_dir/war_dir/

https://waterwatch.usgs.gov/index.ph p?id=ww_annual_summary





Explanation - Percentile classes							
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff
Much below Normal		Below normal	Normal	Above normal	Much above normal		

Power Point "USGS Update on Surface Water Conditions"

By: Marc Stewart & Carrie Boudreau USGS ORWSC

Water Availability Report By: Tiffany Rae Jacklin USGS ORWSC

