



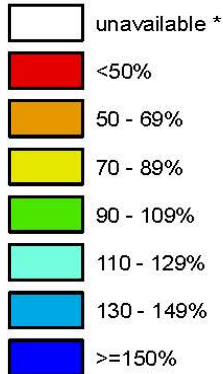
Statewide SNOTEL Precipitation is 85% of normal

Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Oct 01, 2018

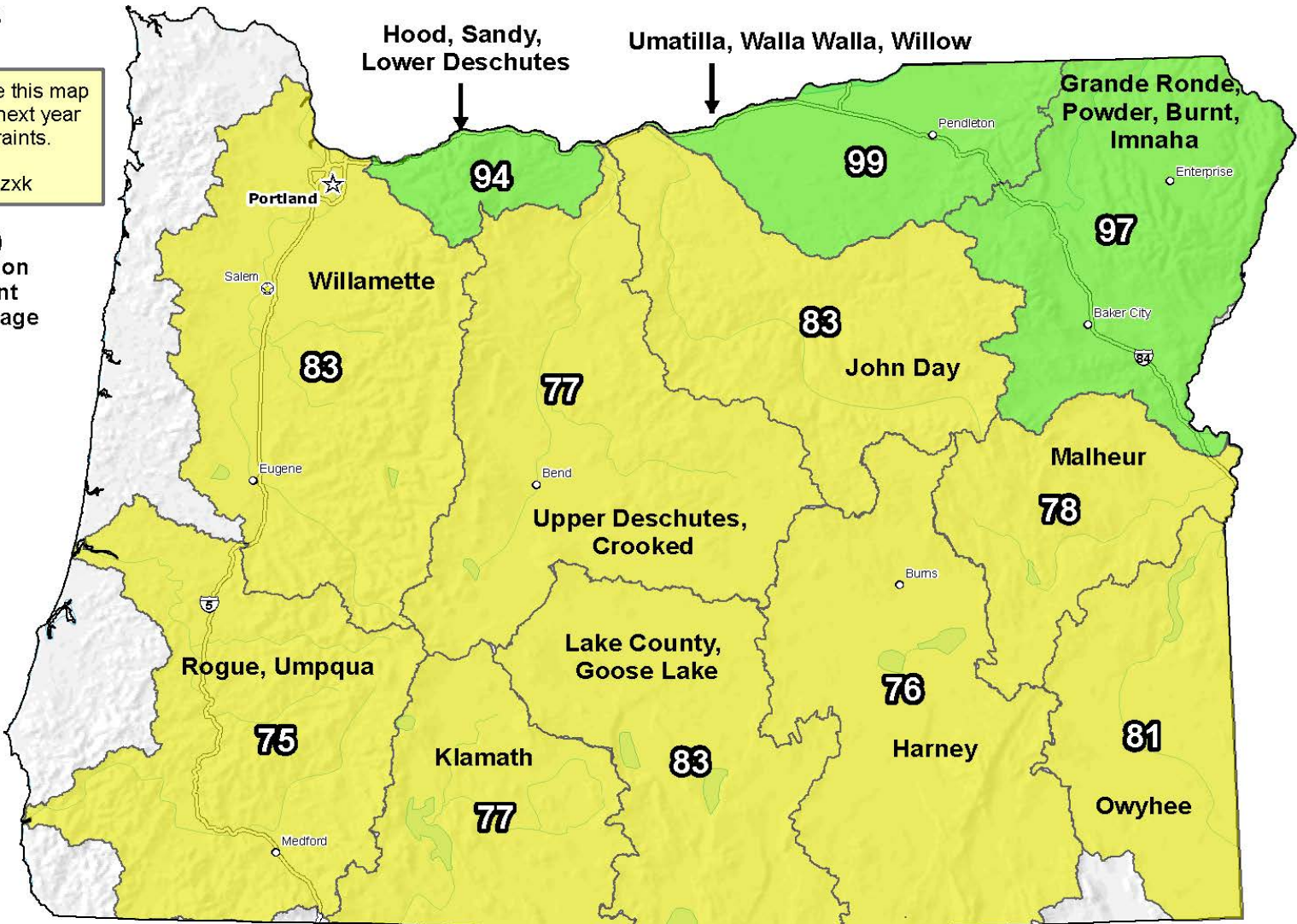
Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzxk>

Water Year (Oct 1) to Date Precipitation Basin-wide Percent of 1981-2010 Average



* Data unavailable at time of posting or measurement is not representative at this time of year

**Provisional Data
Subject to Revision**



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL 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).

0 10 20 40 60 80 100 Miles

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

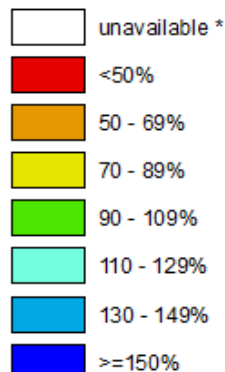
Statewide SNOTEL Precipitation is 195% of normal

Oregon SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Oct 08, 2018

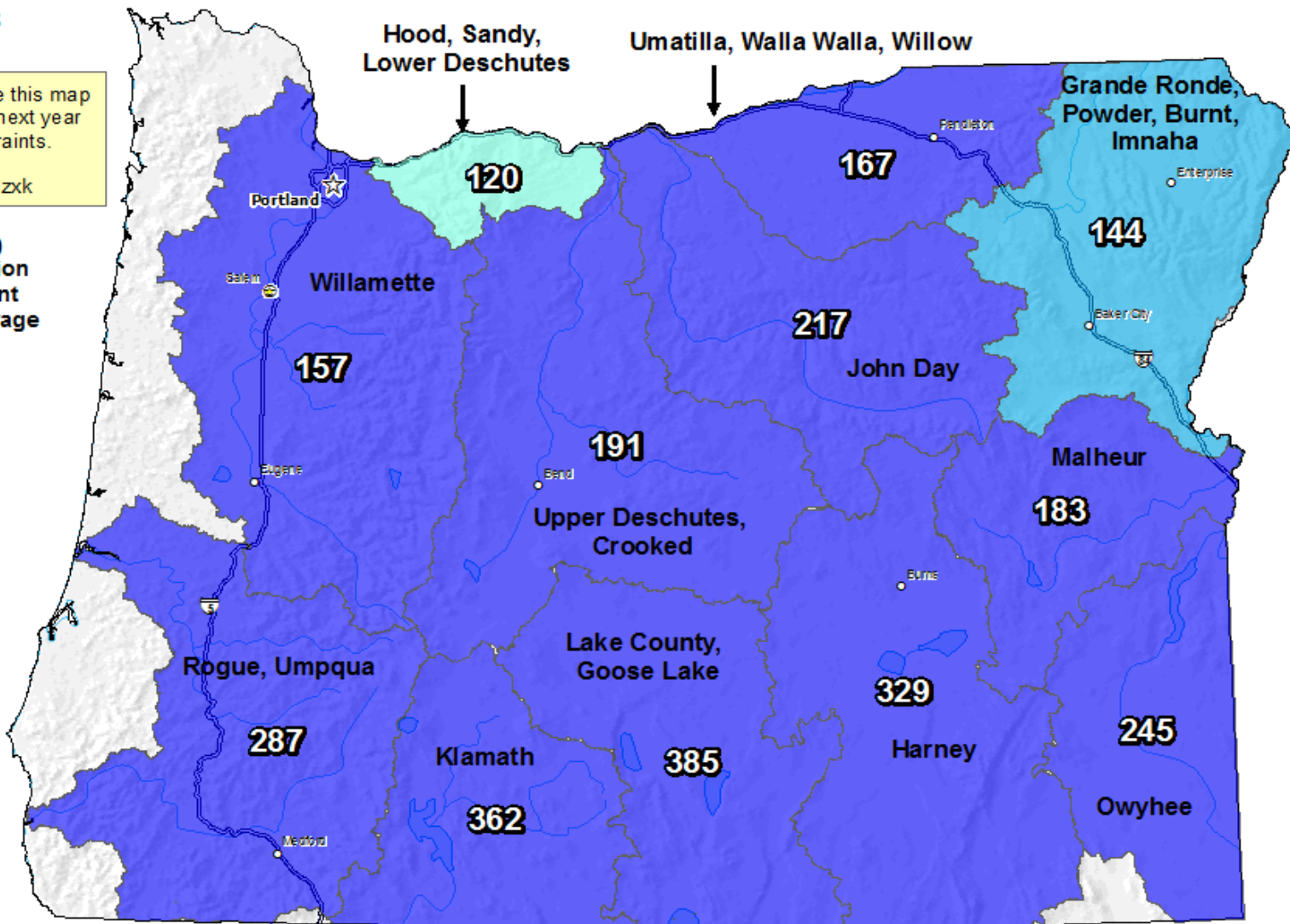
Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzxk>

Water Year (Oct 1) to Date Precipitation Basin-wide Percent of 1981-2010 Average

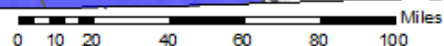


* Data unavailable at time of posting or measurement is not representative at this time of year

Provisional Data
Subject to Revision



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL 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).

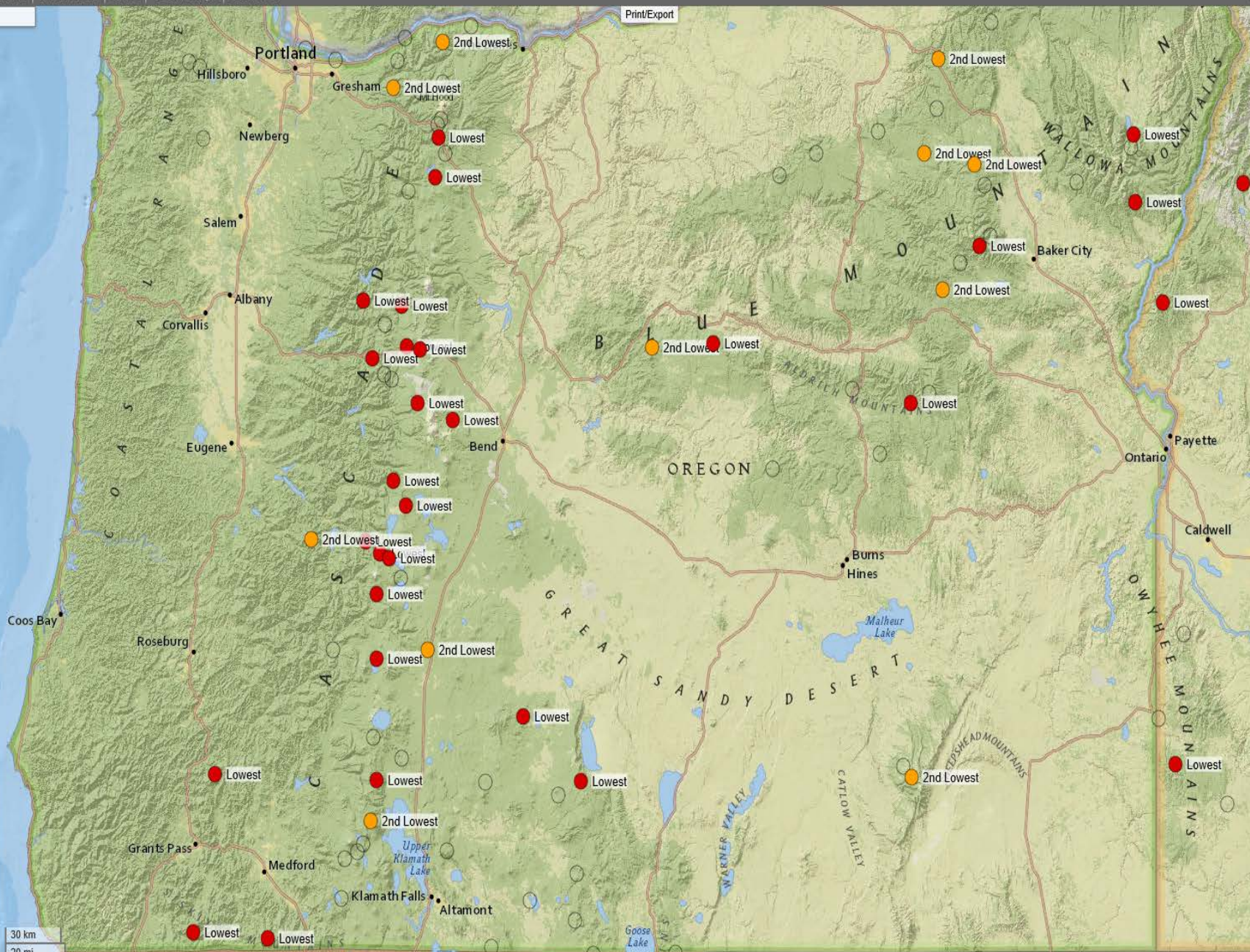


Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>

SNOTEL Precipitation Records June 21, 2018 – October 3, 2018

Selected Stations: 1116

Print/Export



105 day Precipitation Records (POR)
June 21, 2018 through October 3, 2018

- Highest
- 2nd Highest
- 2nd Lowest
- Lowest

Sites with less than 20 years of data or low variability excluded

Created 10-05-2018, 07:23 AM PDT

SNOTEL Precipitation

October 4, 2018 – October 8, 2018

Selected Stations: 1116

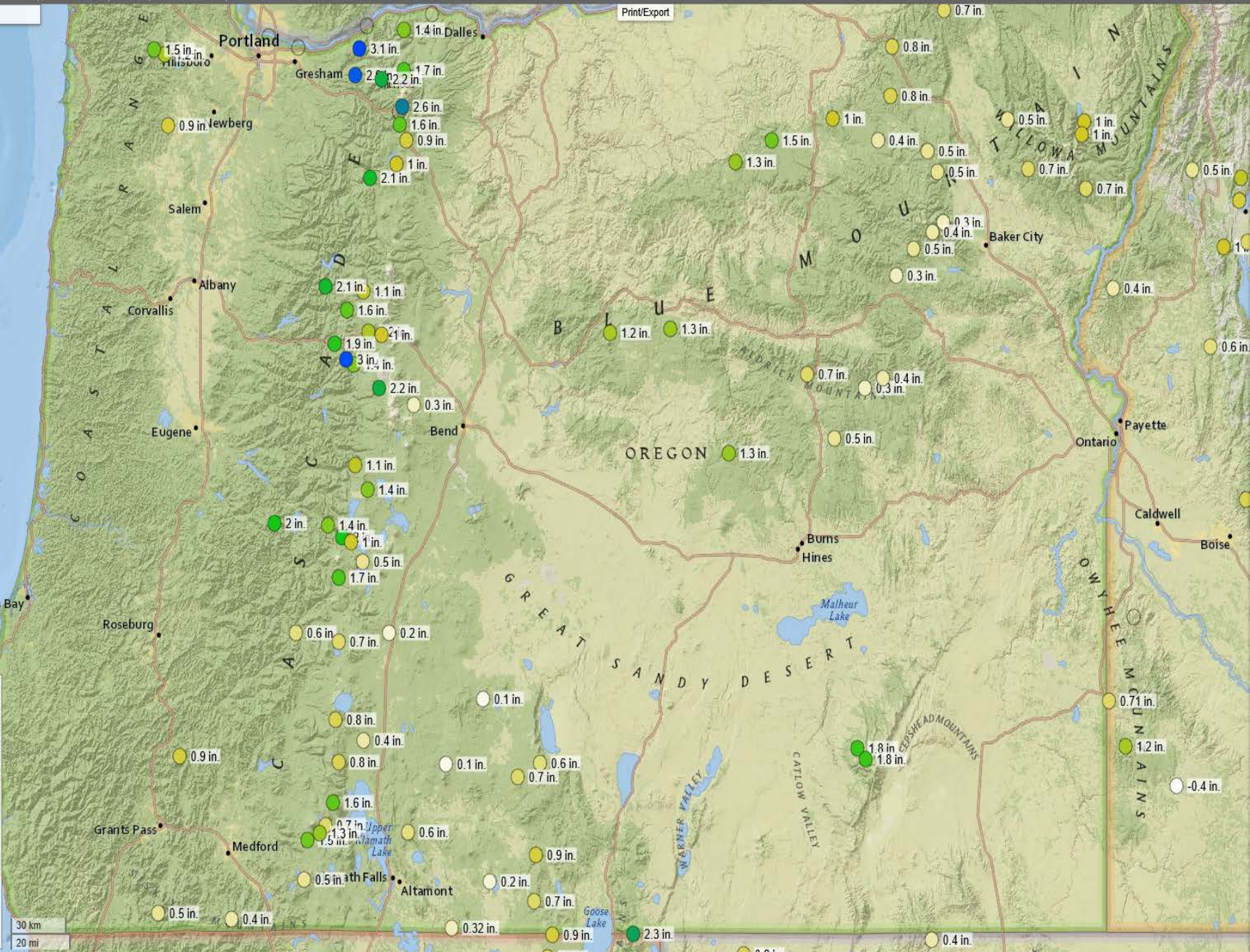


Print/Export

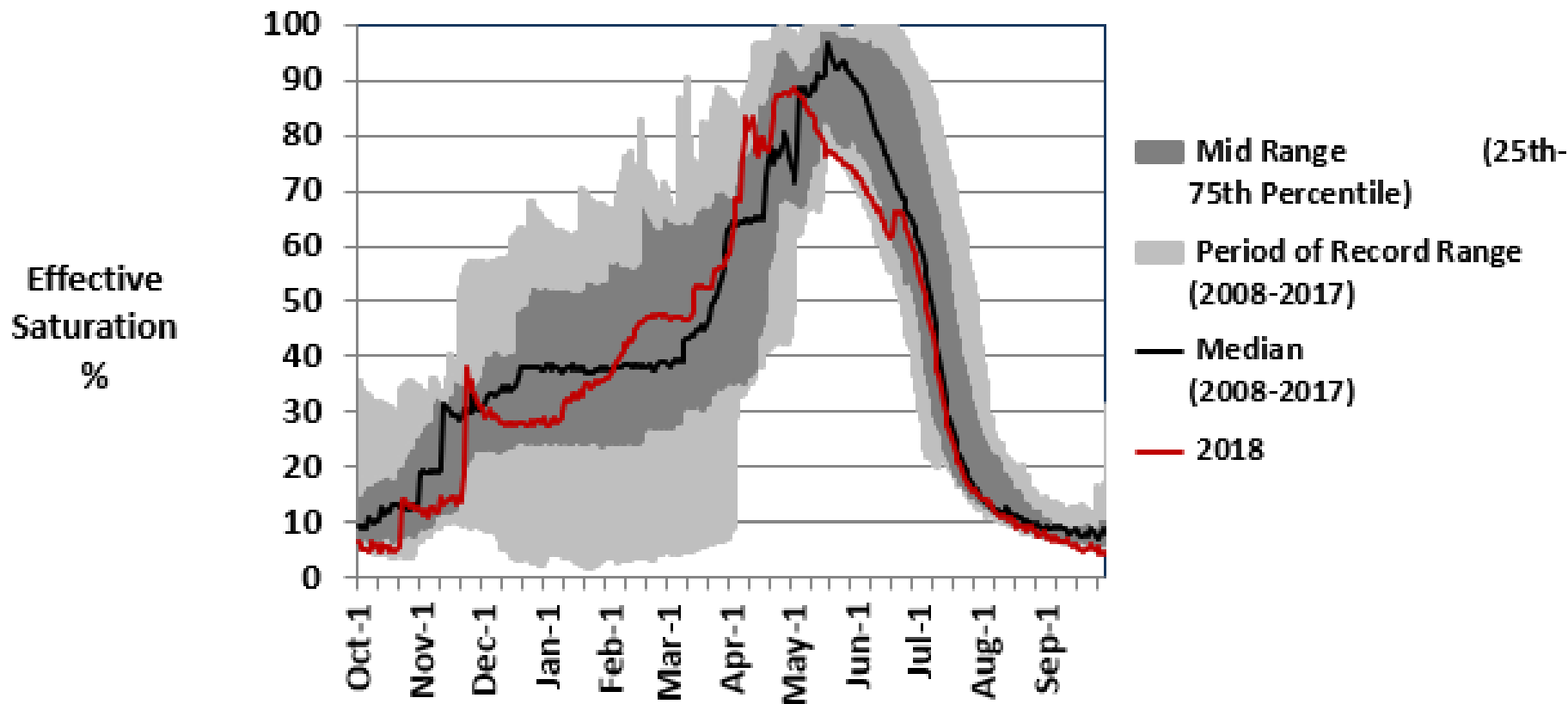
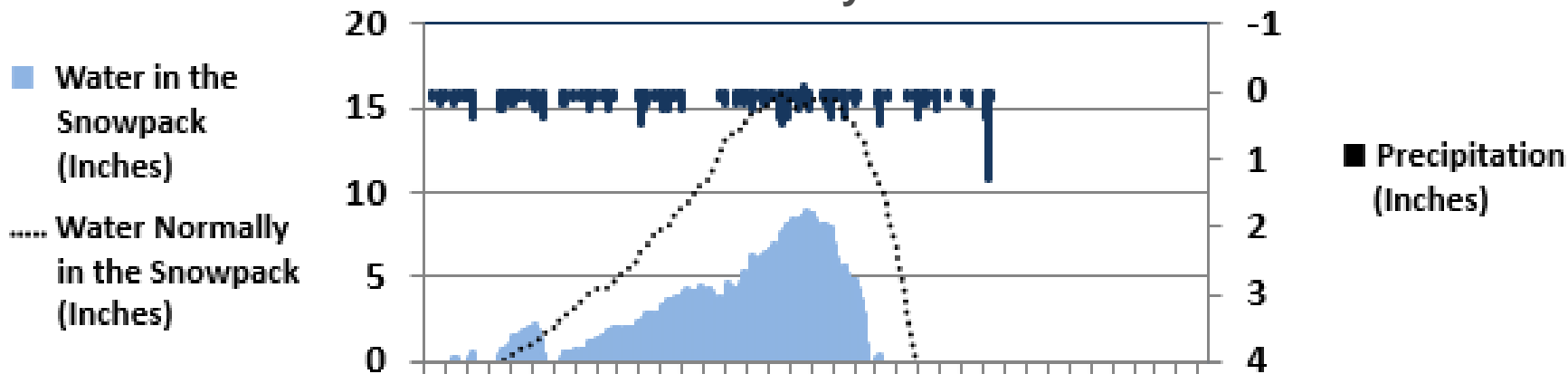
5 day Precipitation
 October 4, 2018 through
 October 8, 2018

Dark Blue	≥ 4 in.
Blue	3.5 in.
Light Blue	3 in.
Teal	2.5 in.
Green	2 in.
Light Green	1.5 in.
Yellow-Green	1 in.
Yellow	0.5 in.
White	≤ 0 in.

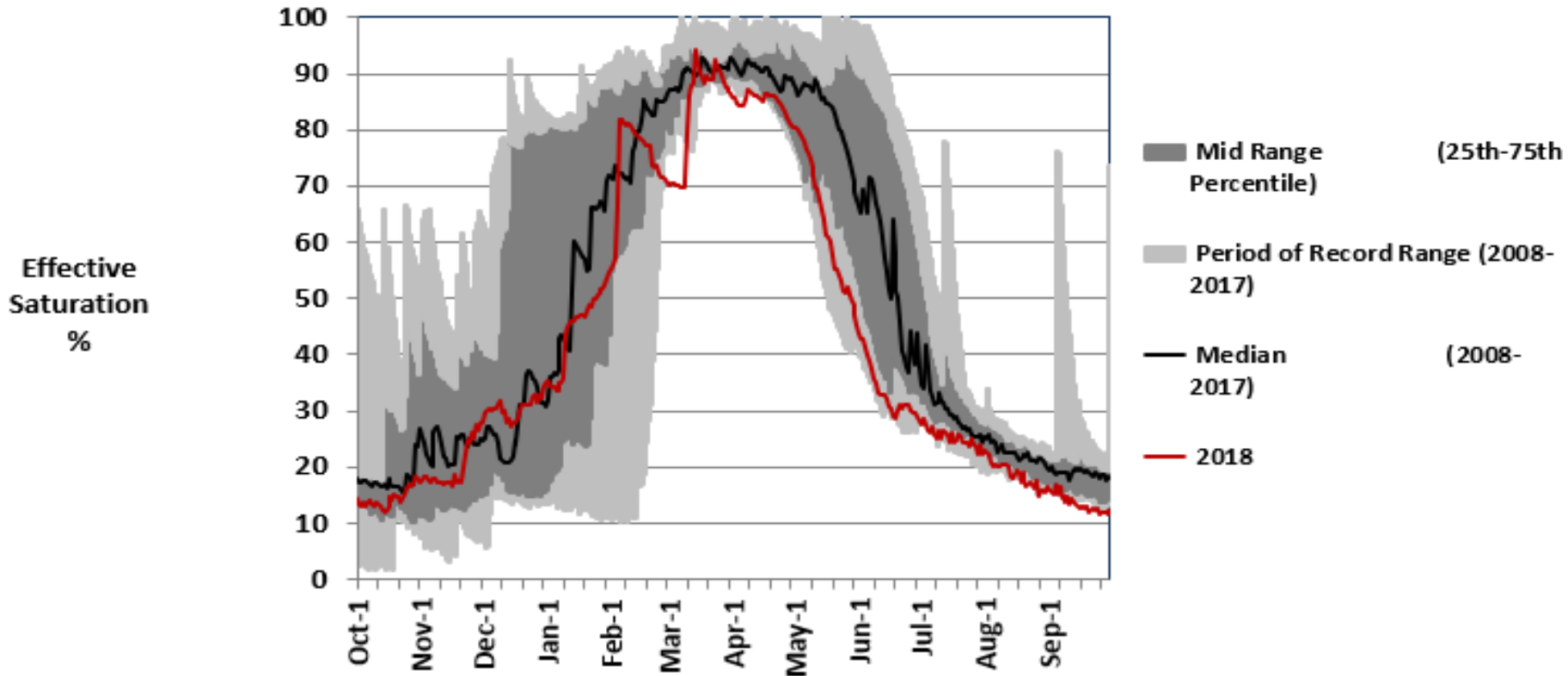
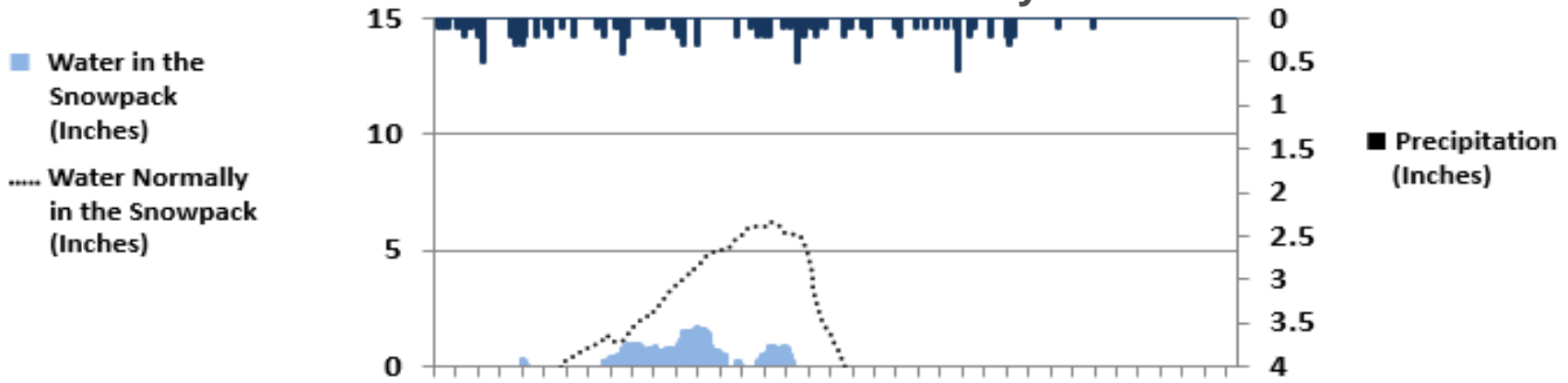
NRCS Natural Resources Conservation Service
 Created 10-09-2018, 05:54 AM PDT



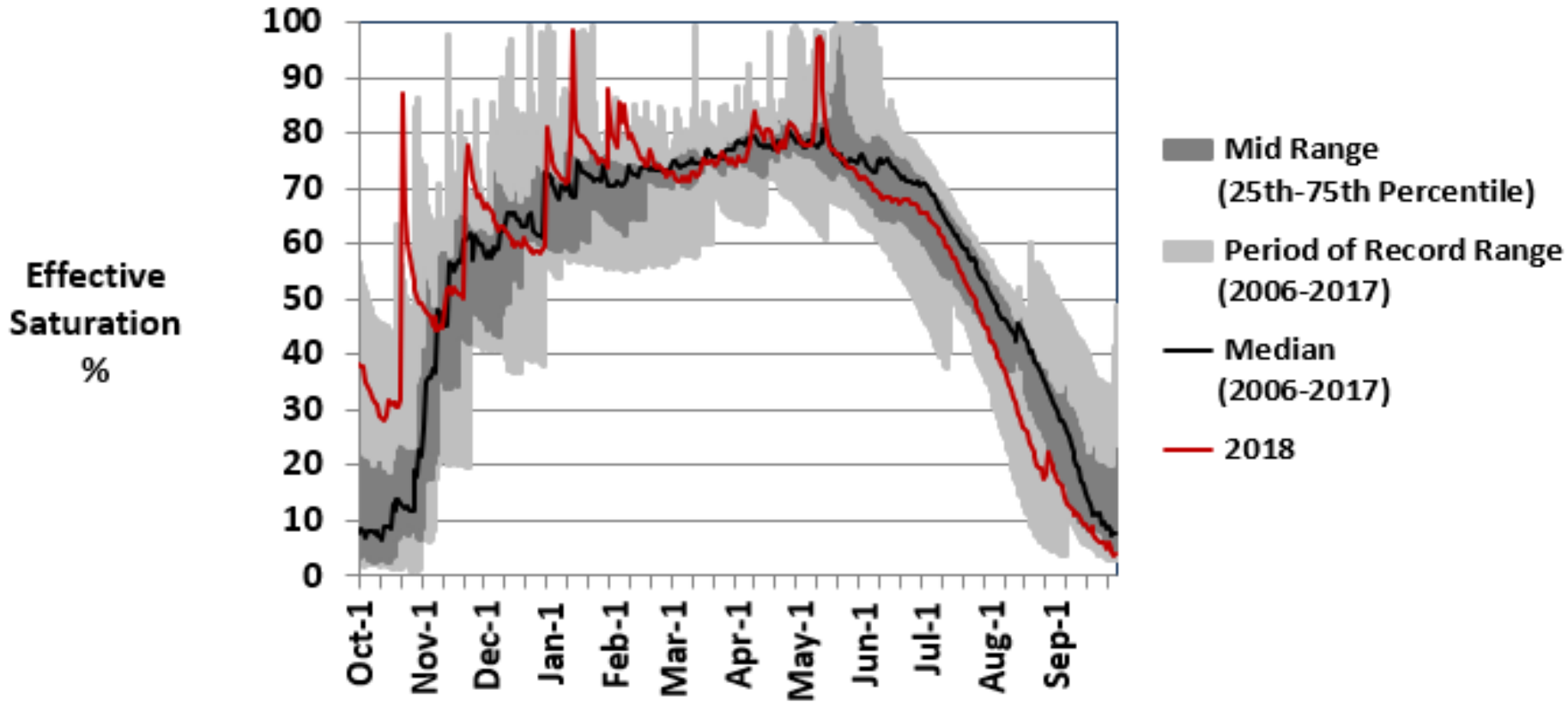
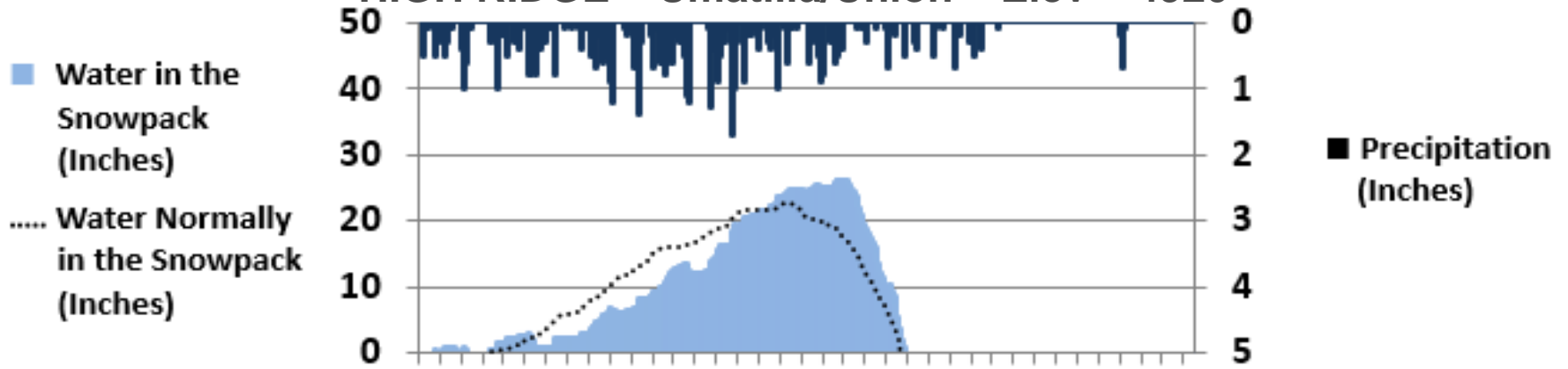
SILVIES – Harney – Elev = 6990'



ROCK SPRINGS – Grant/Harney – Elev = 5290'



HIGH RIDGE – Umatilla/Union – Elev = 4920'





Thank you

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint](#) and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.



Oregon Water Supply Availability

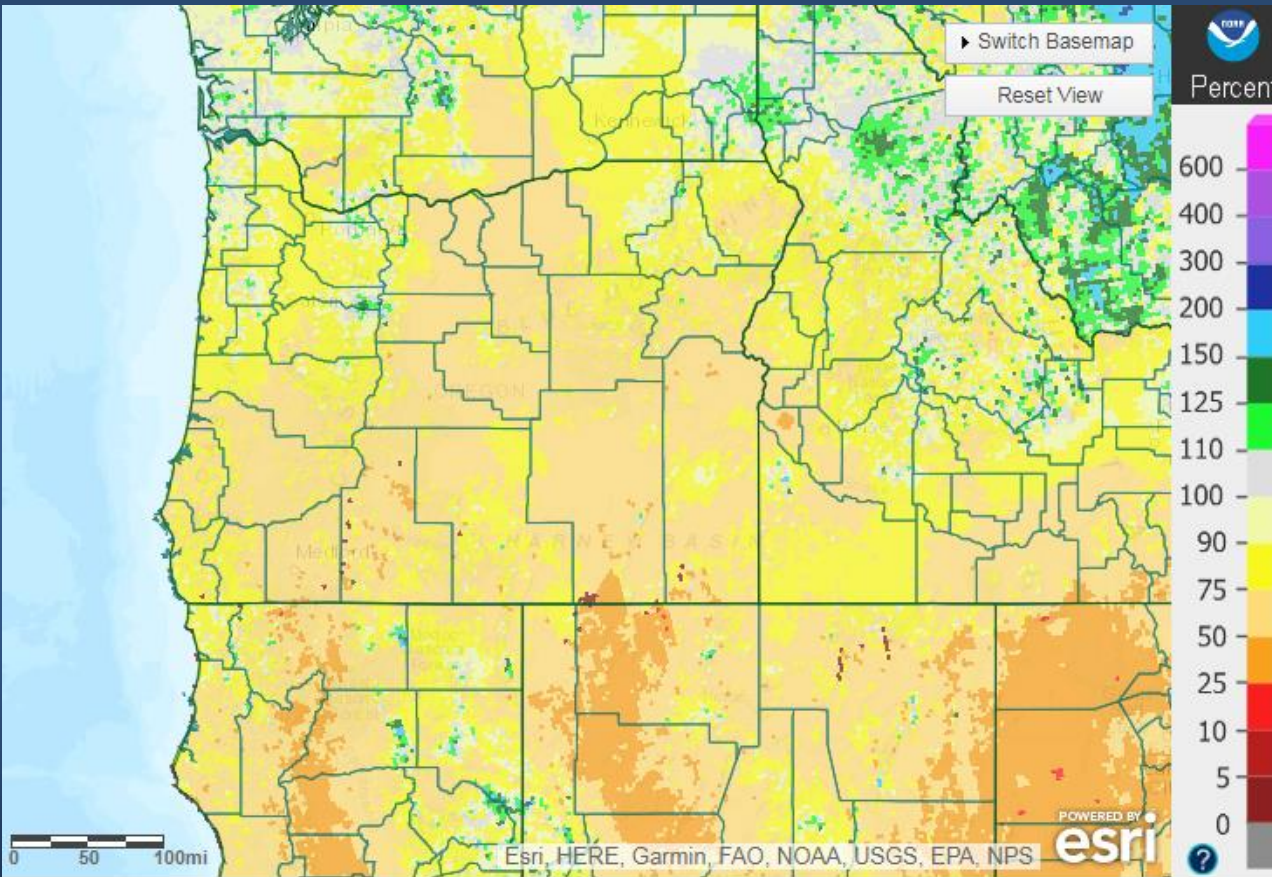
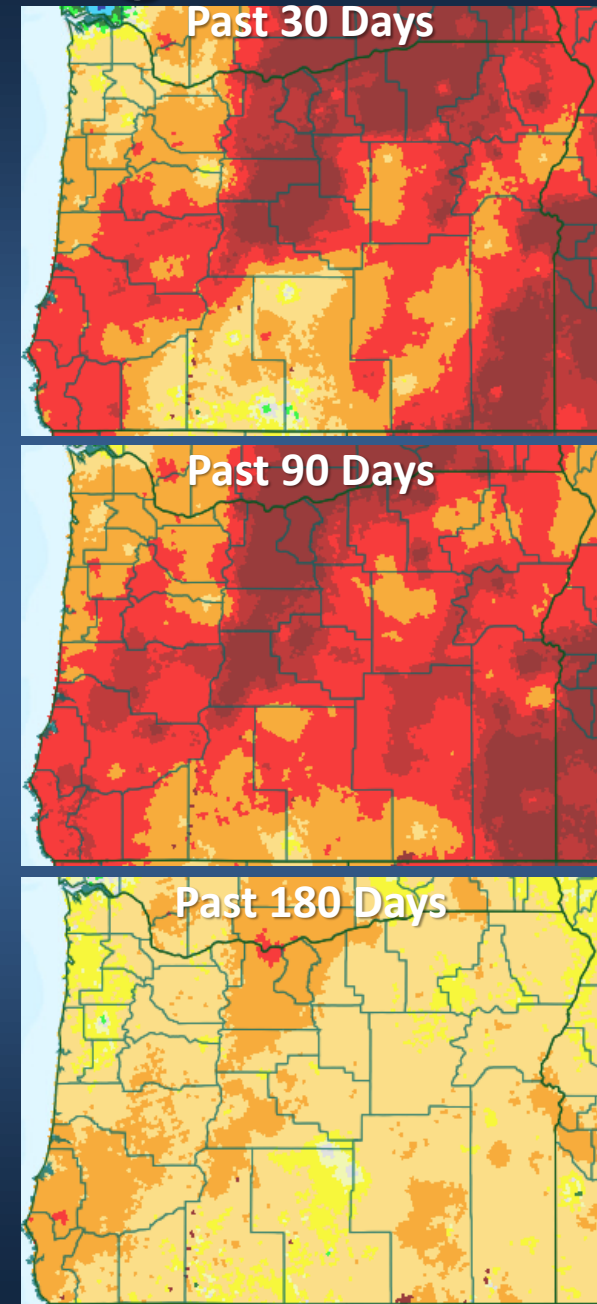
October 9, 2018
National Weather Service Update

Amy Burke, Hydrologist
NWS Northwest River Forecast Center



Precipitation % of Average

2018 Water Year



Precipitation Data as of October 4, 2018

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



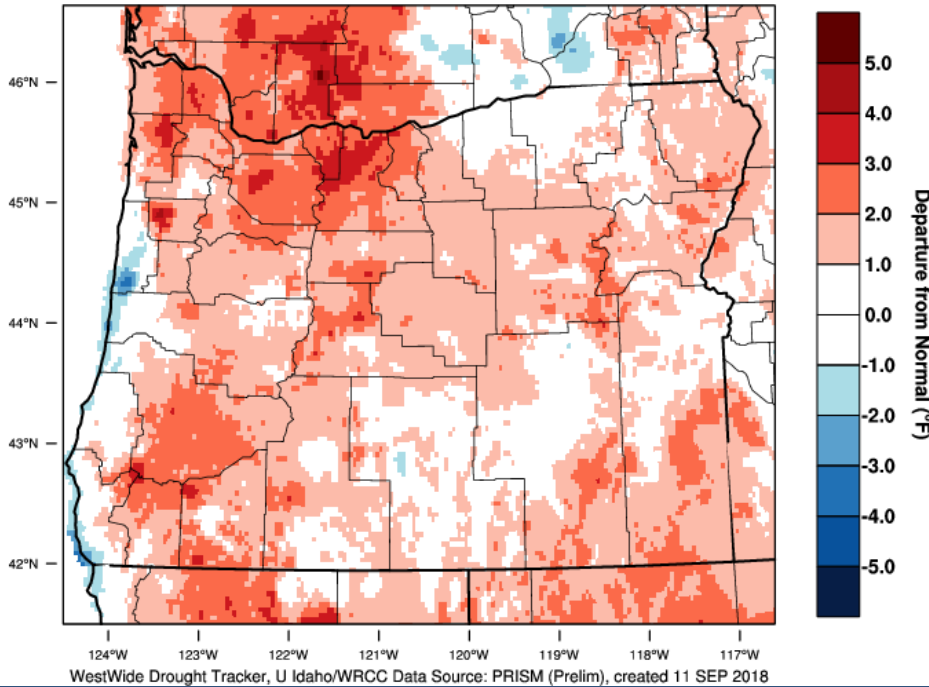
Recent Temperatures

August 2018

September 2018

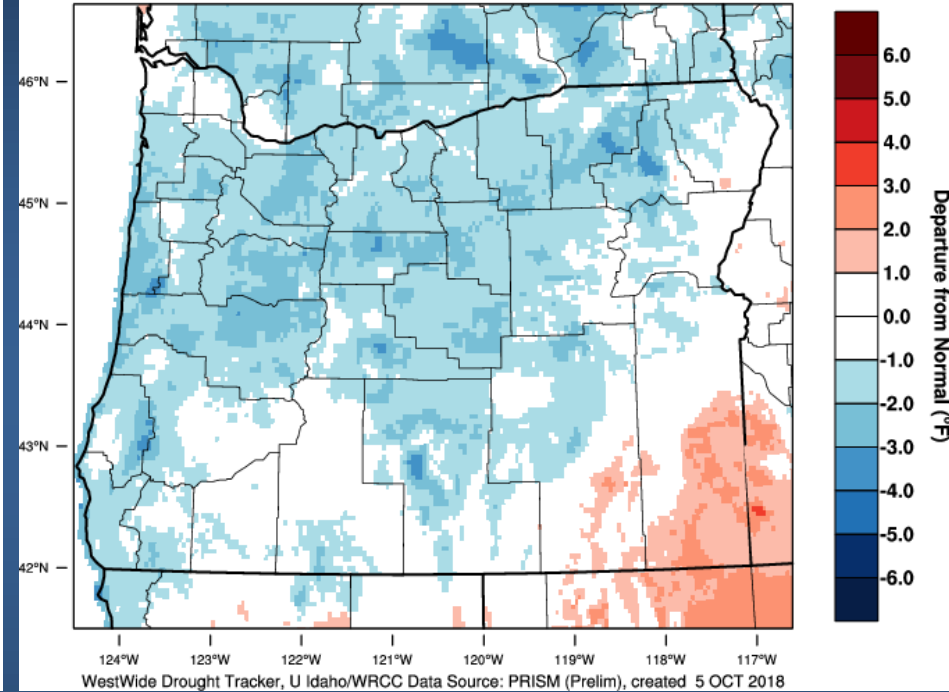
Oregon - Mean Temperature

August 2018 Departure from 1981-2010 Normal



Oregon - Mean Temperature

September 2018 Departure from 1981-2010 Normal





Drought Monitor

U.S. Drought Monitor

September 4, 2018

We

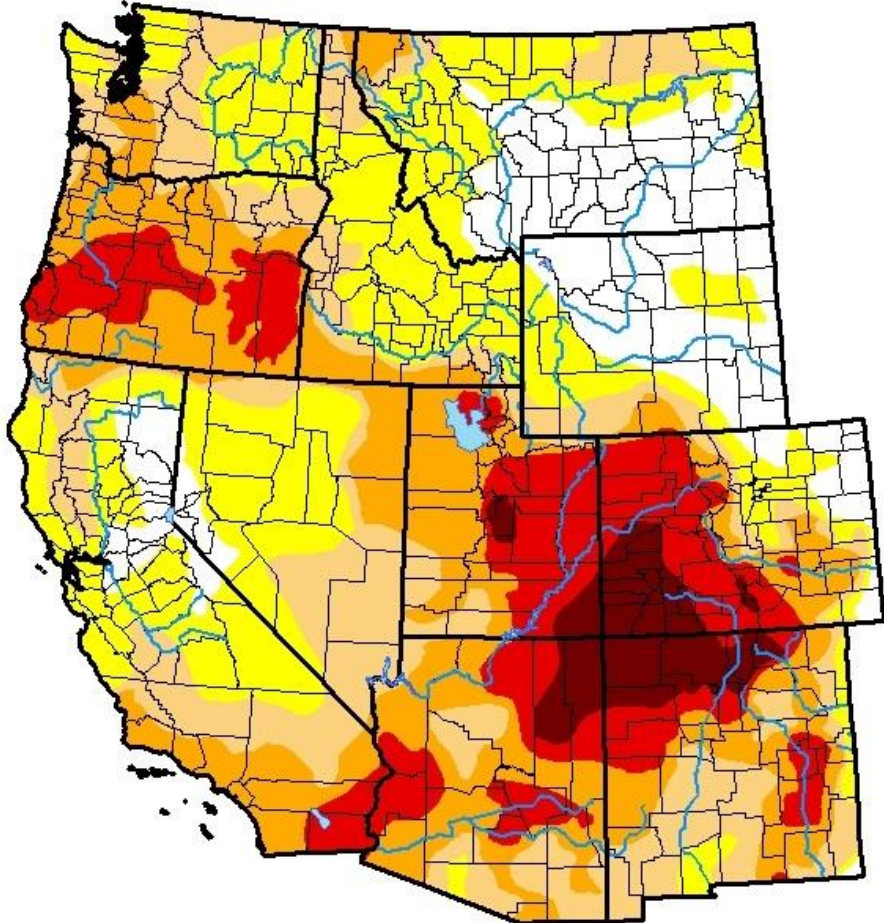
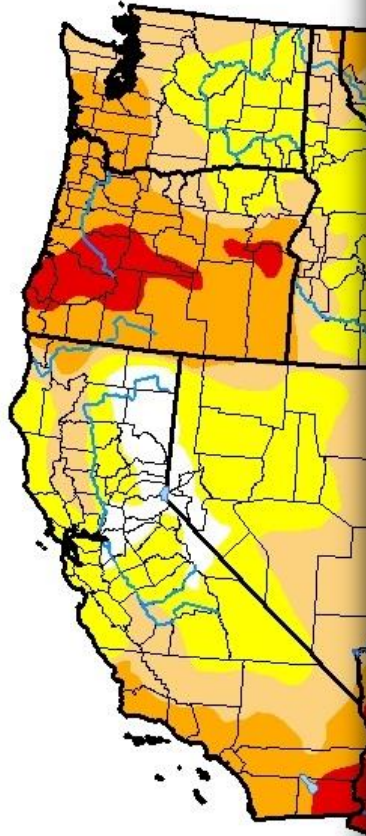
U.S. Drought Monitor

October 2, 2018

(Released Thursday, Oct. 4, 2018)

Valid 8 a.m. EDT

West



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:

David Miskus
NOAA/NWS/NCEP/CPC

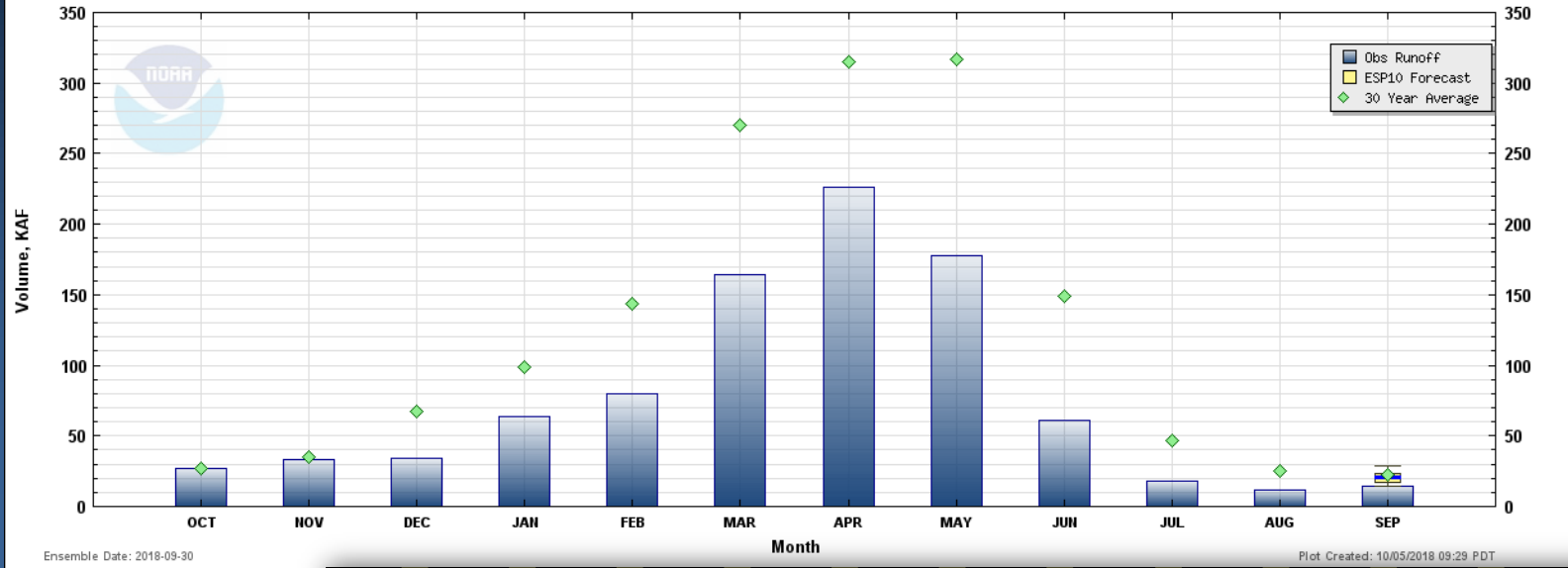


<http://droughtmonitor.unl.edu/>

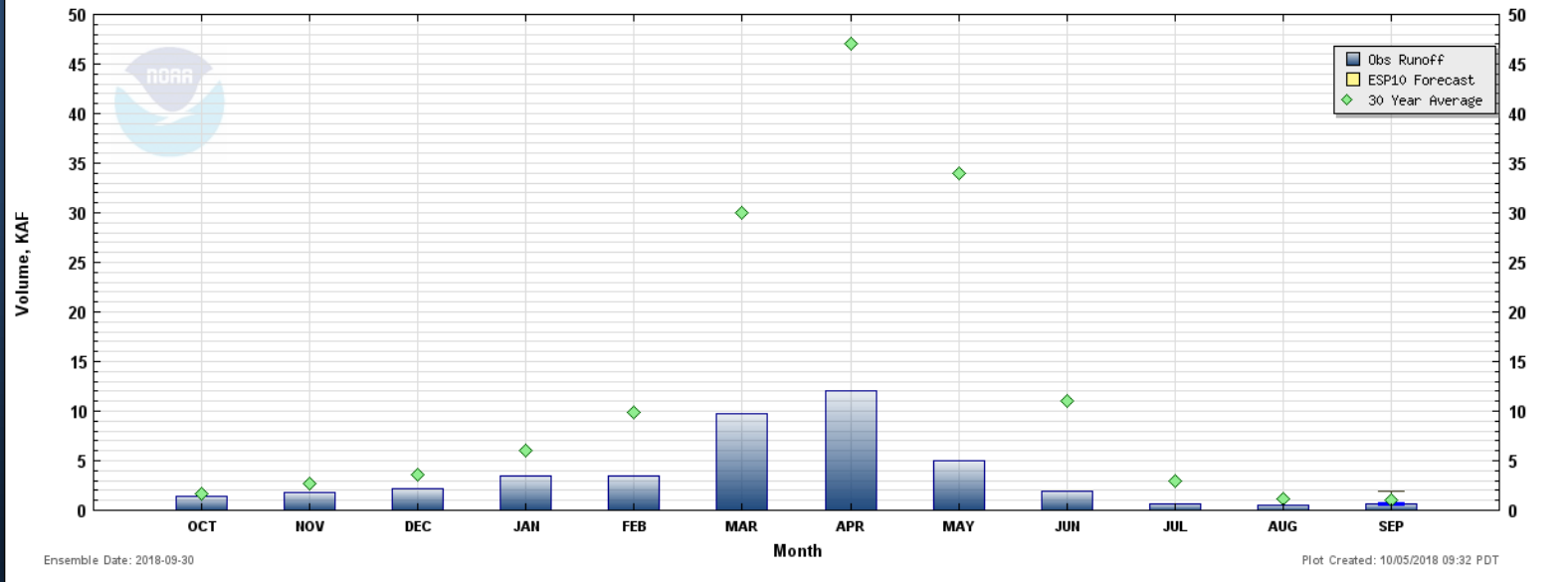


Observed WY18 Runoff - Eastern Oregon

Natural Volume Monthly Forecasts (ESP10) for Water Year 2018
(SER03) JOHN DAY - AT SERVICE CK



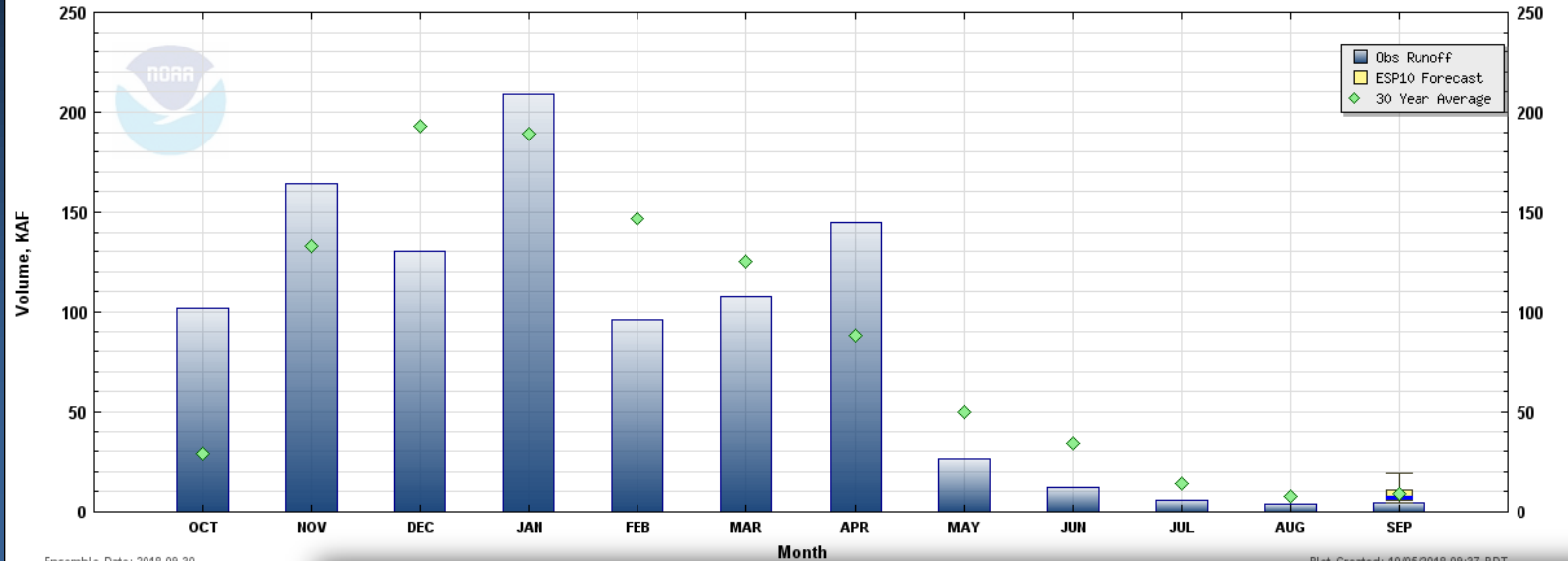
Natural Volume Monthly Forecasts (ESP10) for Water Year 2018
(BUS03) SILVIES - NEAR BURNS





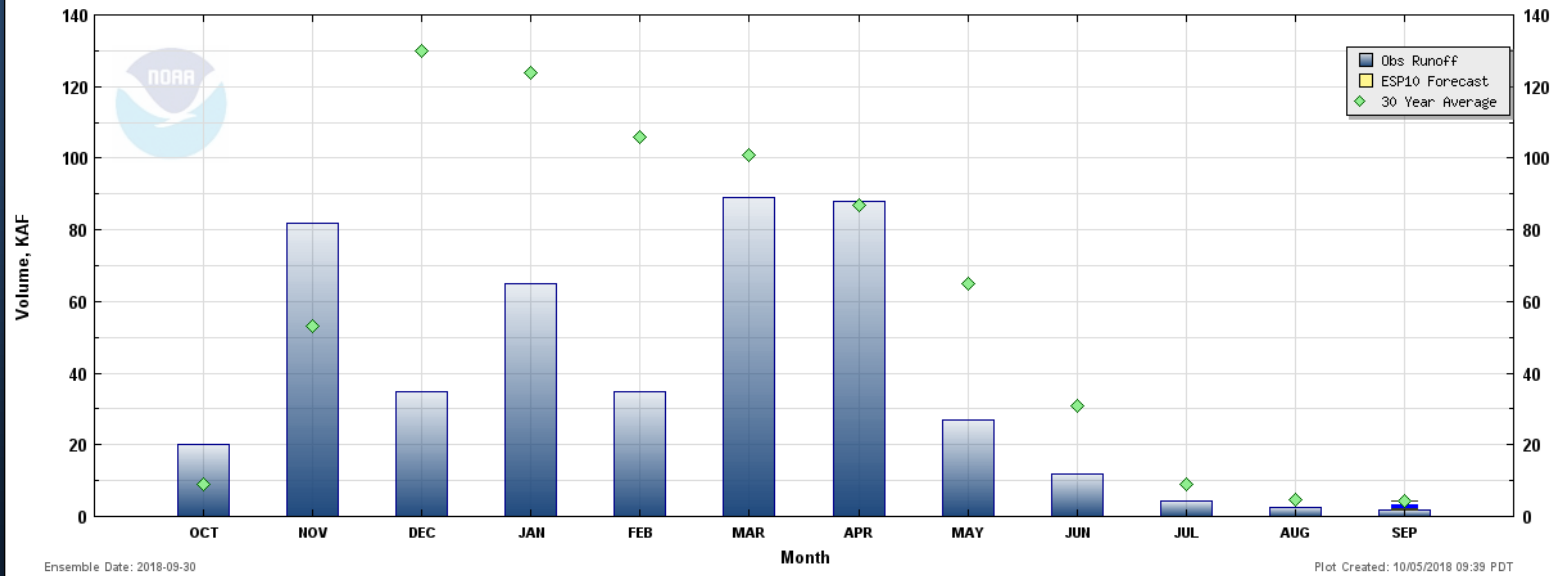
Observed WY18 Runoff - Western Oregon

Natural Volume Monthly Forecasts (ESP10) for Water Year 2018
(SIL03) SILETZ - AT SILETZ



Ensemble Date: 2018-09-30

Natural Volume Monthly Forecasts (ESP10) for Water Year 2018
(TIL03) S UMPQUA - AT TILLER

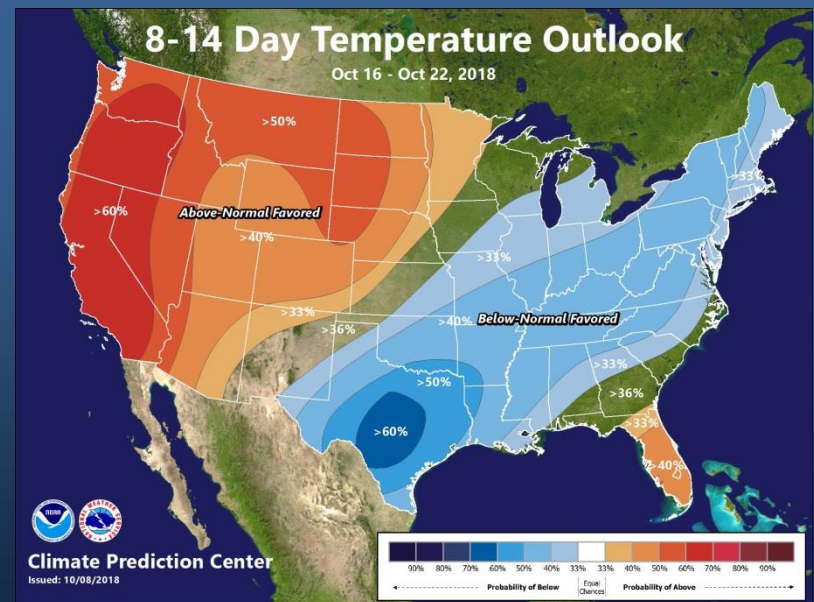
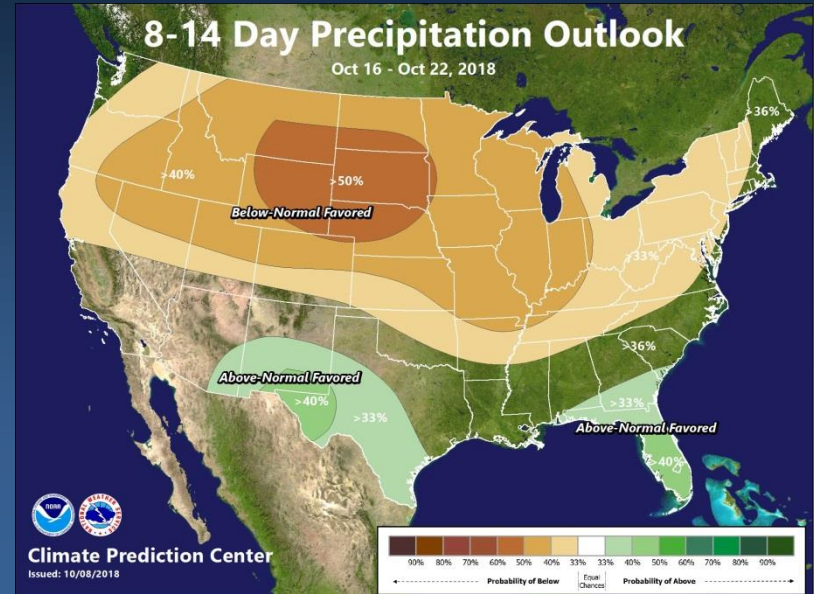
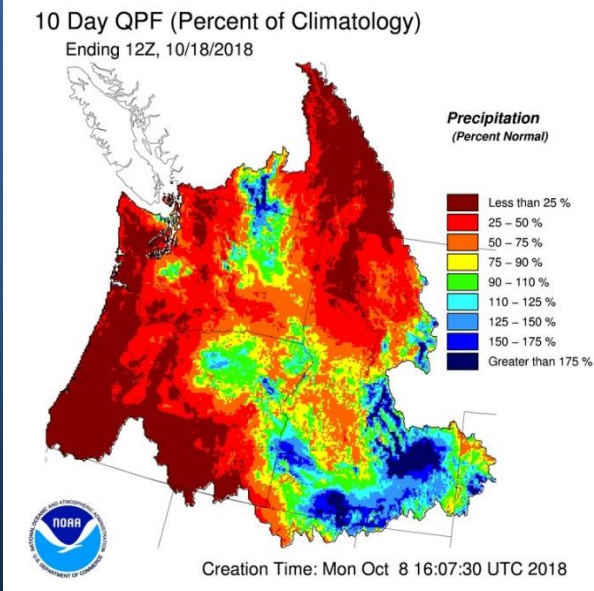
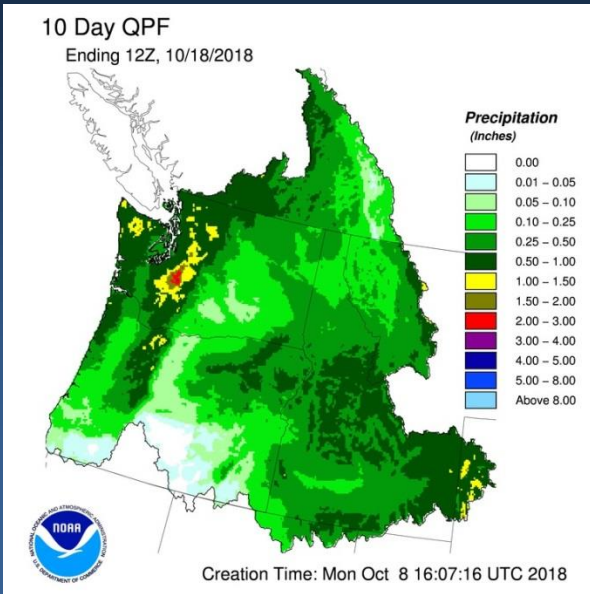


Ensemble Date: 2018-09-30

Plot Created: 10/05/2018 09:39 PDT

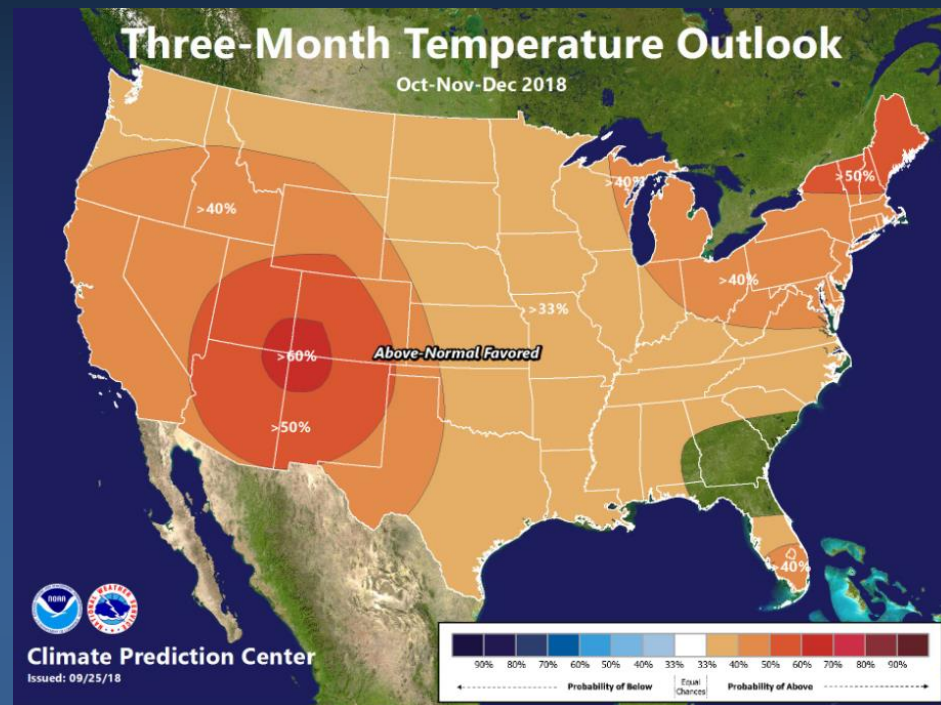
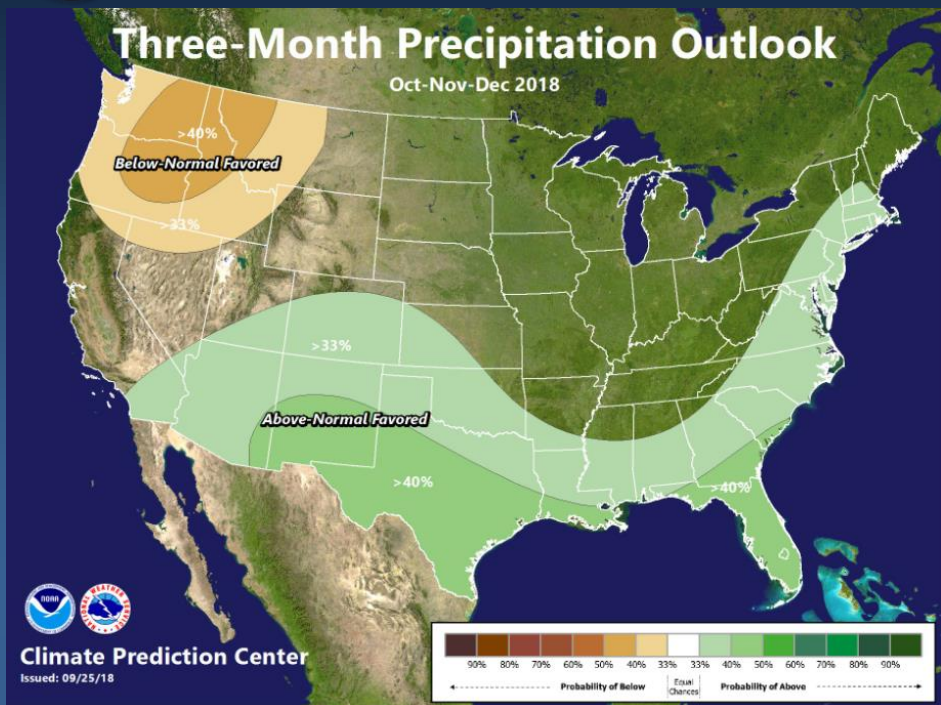


Mid/Late-October Outlook



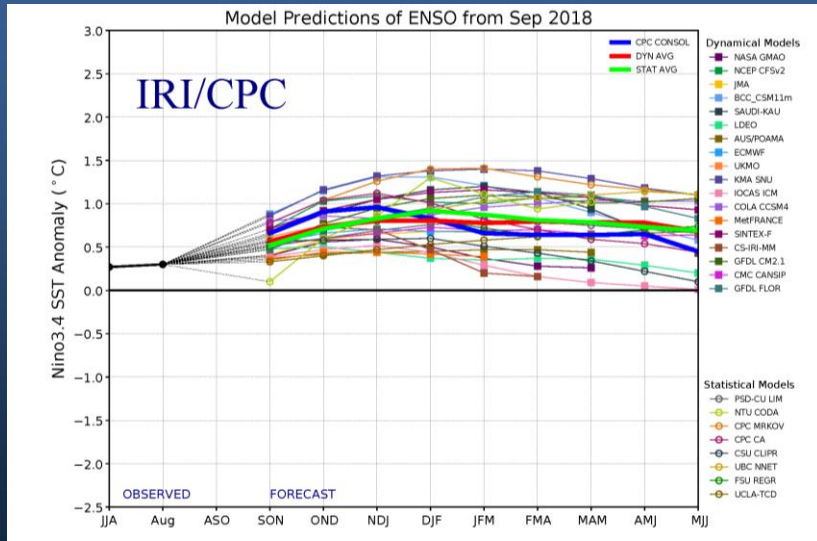


Outlook for October-November-December 2018



https://www.wrh.noaa.gov/images/sto/GIS_NEW/

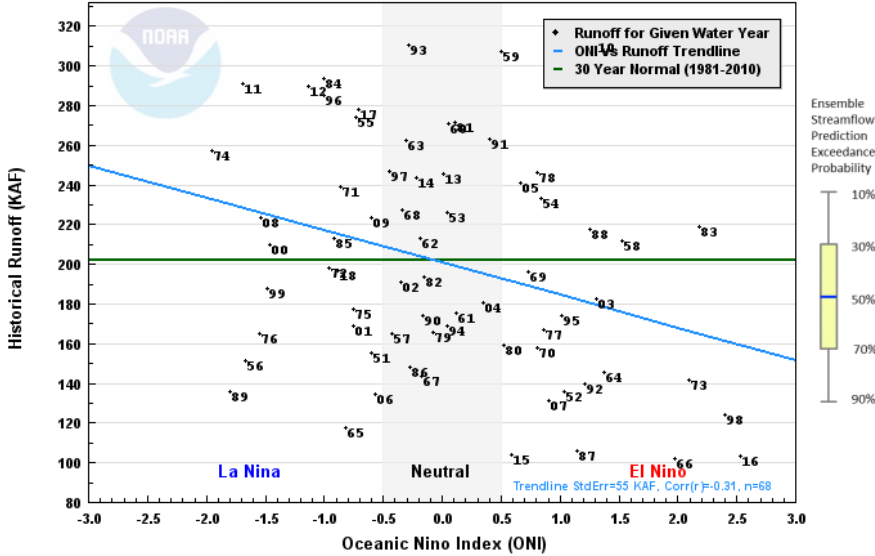
ENSO Prediction based on consensus of model guidance



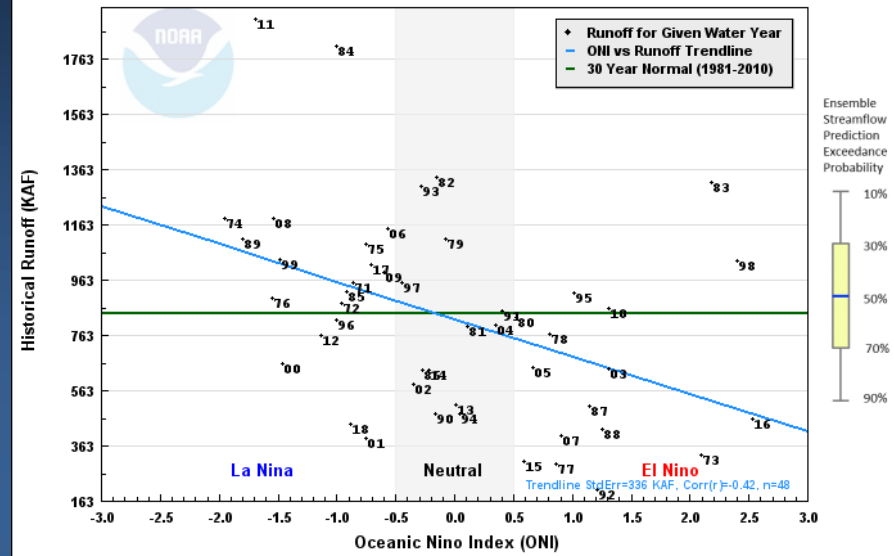


Historical WY Runoff & ENSO

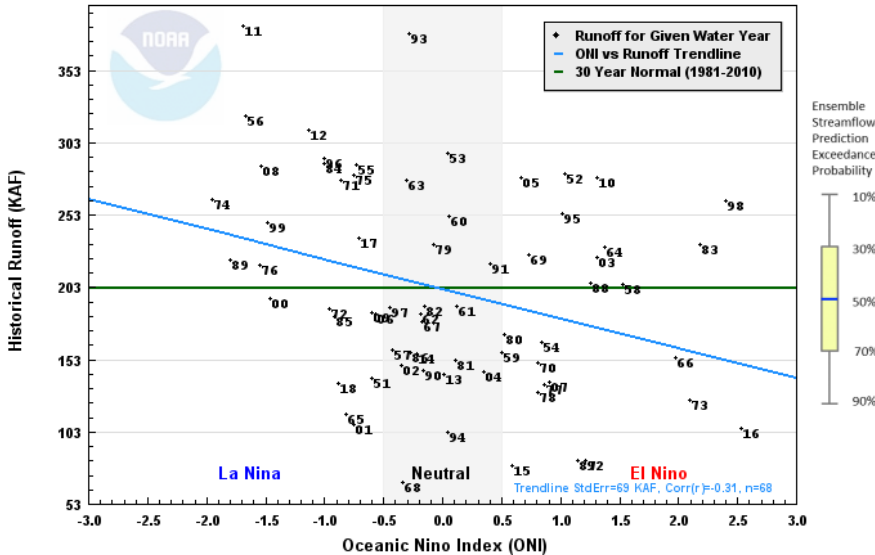
OCT-DEC Oceanic Nino Index vs APR-SEP Historical Natural Runoff (SILO3) SILETZ - AT SILETZ (1951-2018)



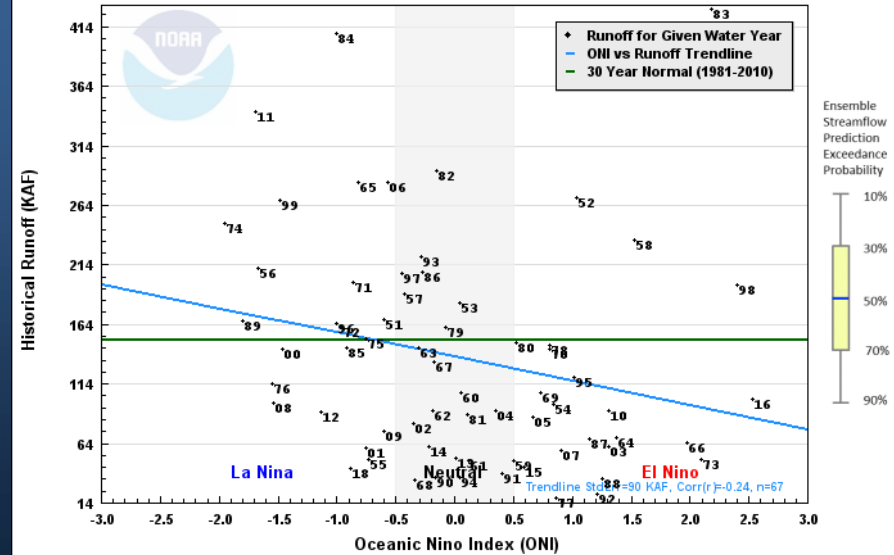
OCT-DEC Oceanic Nino Index vs APR-SEP Historical Water Supply Runoff (SER03) JOHN DAY - AT SERVICE CK (1971-2018)



OCT-DEC Oceanic Nino Index vs APR-SEP Historical Natural Runoff (TILO3) S UMPQUA - AT TILLER (1951-2018)



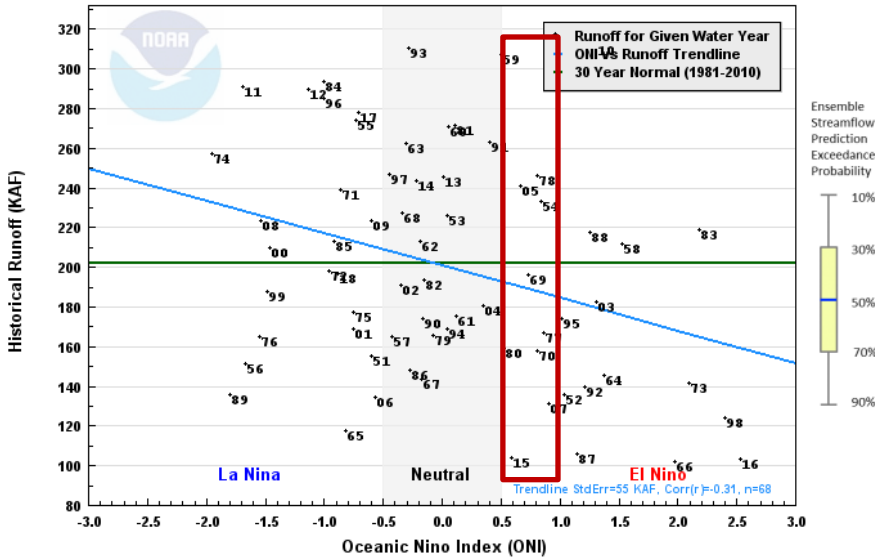
OCT-DEC Oceanic Nino Index vs OCT-SEP Historical Natural Runoff (BUS03) SILVIES - NEAR BURNS (1951-2018)



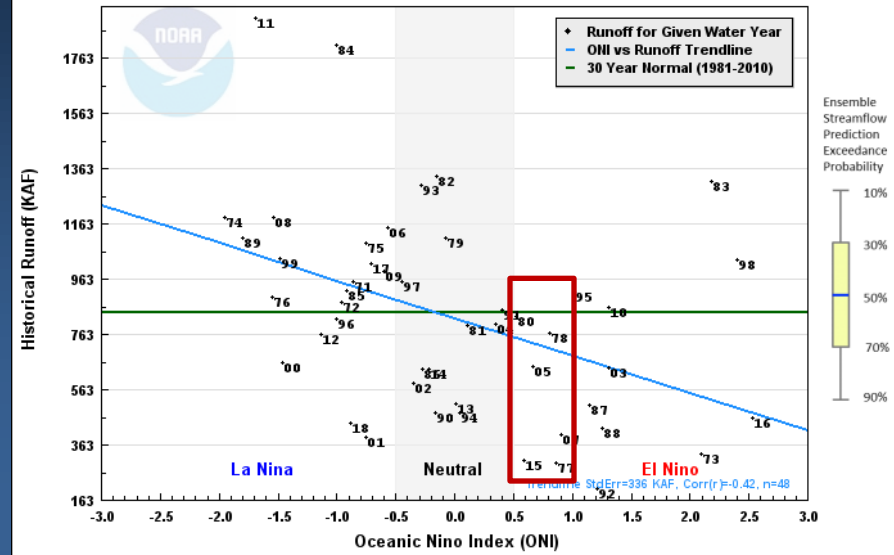


Historical WY Runoff & ENSO

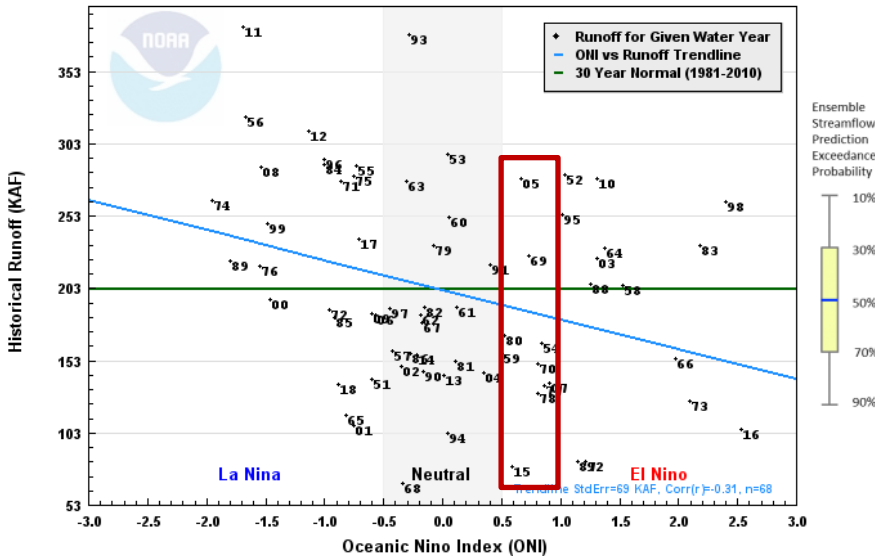
OCT-DEC Oceanic Nino Index vs APR-SEP Historical Natural Runoff (SILO3) SILETZ - AT SILETZ (1951-2018)



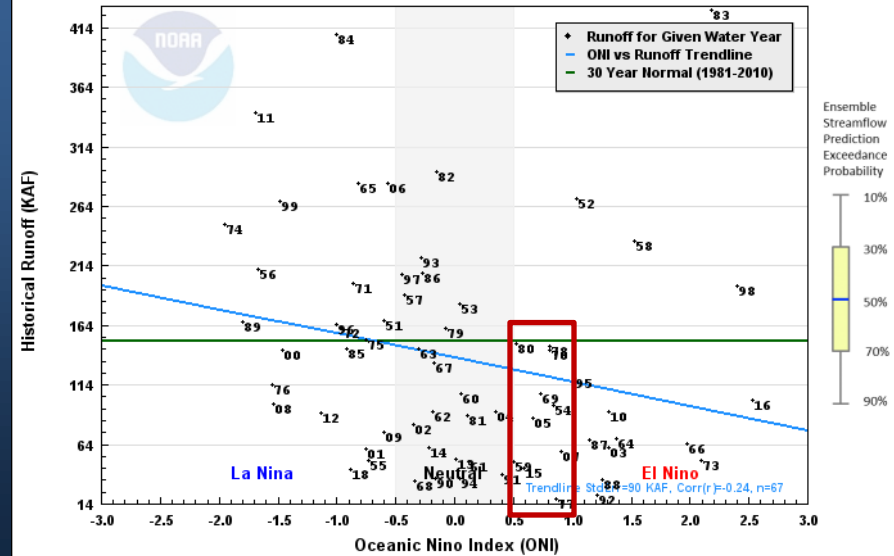
OCT-DEC Oceanic Nino Index vs APR-SEP Historical Water Supply Runoff (SER03) JOHN DAY - AT SERVICE CK (1971-2018)



OCT-DEC Oceanic Nino Index vs APR-SEP Historical Natural Runoff (TILO3) S UMPQUA - AT TILLER (1951-2018)



OCT-DEC Oceanic Nino Index vs OCT-SEP Historical Natural Runoff (BUS03) SILVIES - NEAR BURNS (1951-2018)





Oregon Water Supply Availability

Oct 2018

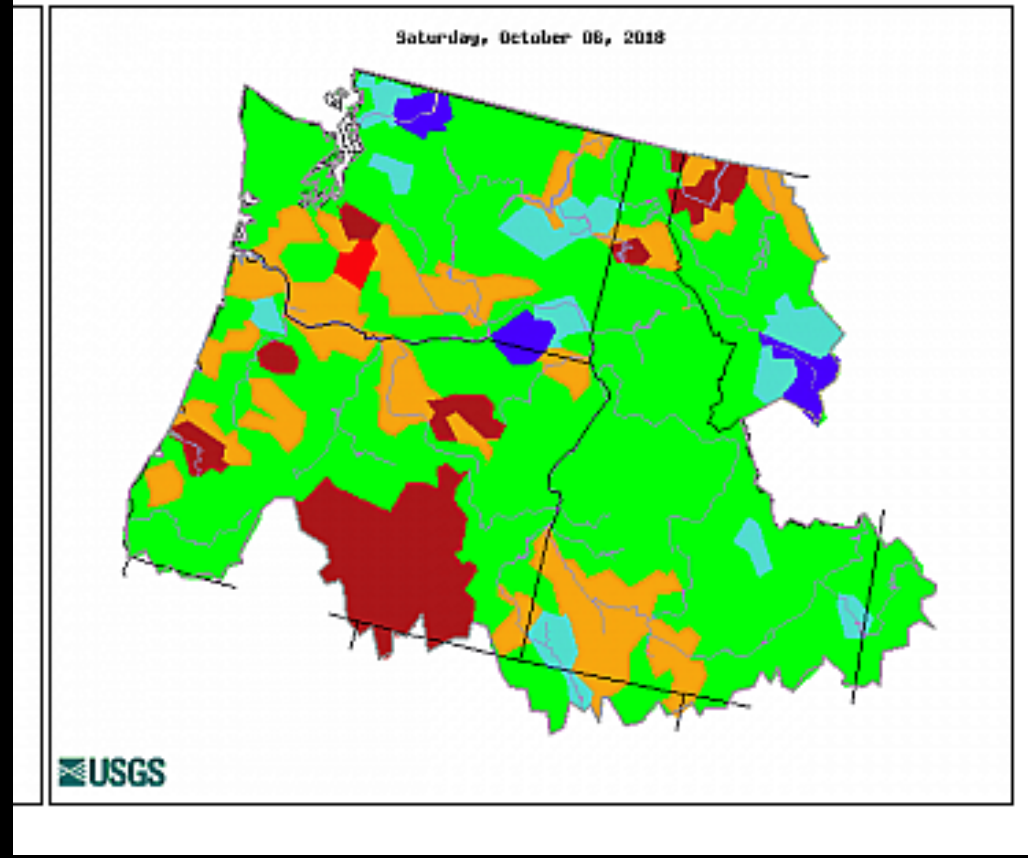
USGS Update on Surface Water Conditions

Marc Stewart & Carrie Boudreau







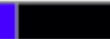
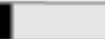
USGS ORWSC

Provisional Data Statement

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



Explanation - Percentile classes

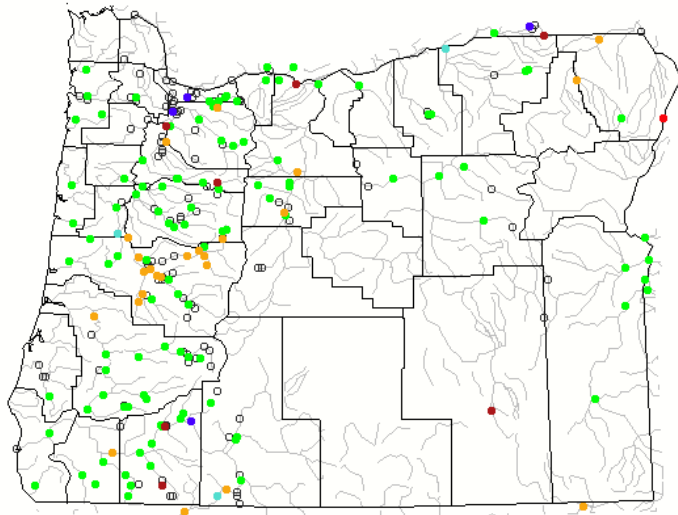
							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Map of real-time streamflow compared to historical streamflow for the day of the year (Oregon)

Oregon or Water-Resources Regions

Save

Monday, October 08, 2018 21:30ET



Search USGS streamgage

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

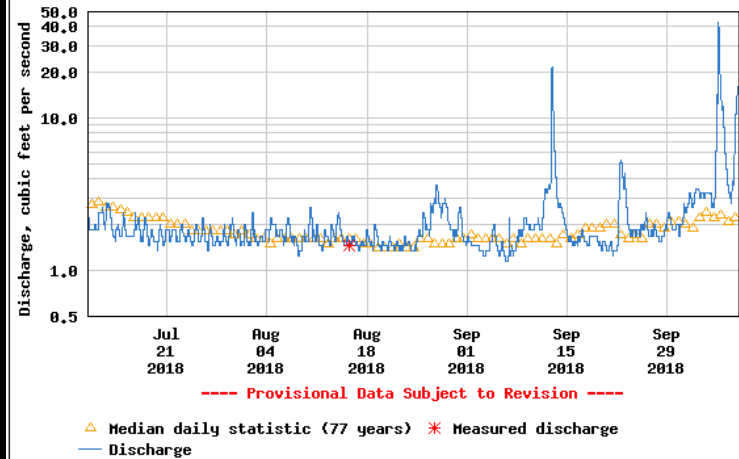
- List of all stations
- Single station
- Nearest stations
- Peak flow

Explanation - Percentile classes

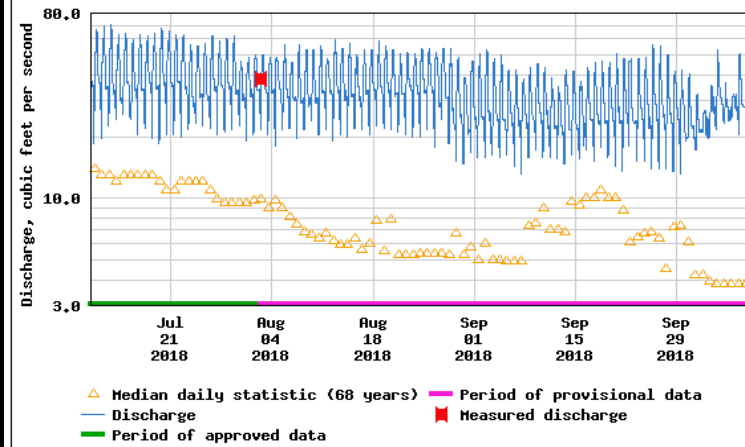
●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High Not-ranked



USGS 14211500 JOHNSON CREEK AT SYCAMORE, OR



USGS 14332000 SOUTH FORK ROGUE RIVER NEAR PROSPECT, OR

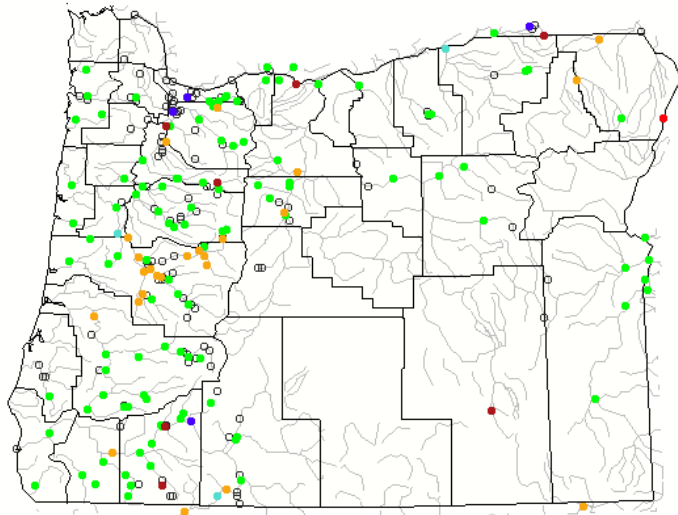


Map of real-time streamflow compared to historical streamflow for the day of the year (Oregon)

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Monday, October 08, 2018 21:30ET



Search USGS streamgage

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

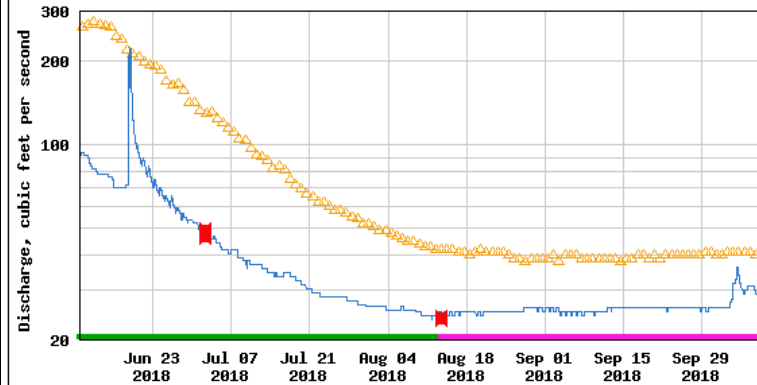
- List of all stations
- Single station
- Nearest stations
- Peak flow

Explanation - Percentile classes

●	●	●	●	●	●	○
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High Not-ranked



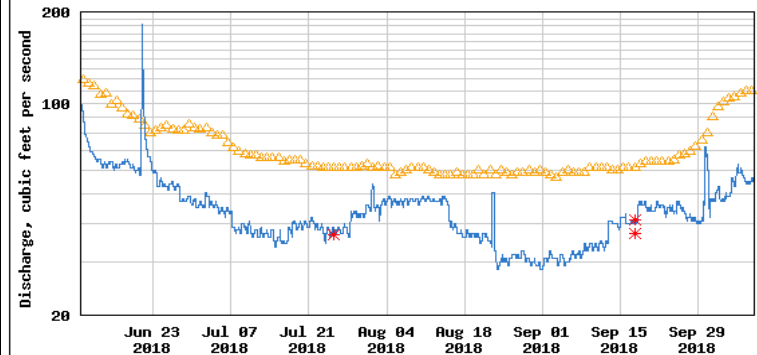
USGS 10396000 DONNER UND BLITZEN RIVER NR FRENCHGLEN OR



- ▲ Median daily statistic (88 years)
- Discharge
- Period of approved data
- Period of provisional data
- ✱ Measured discharge



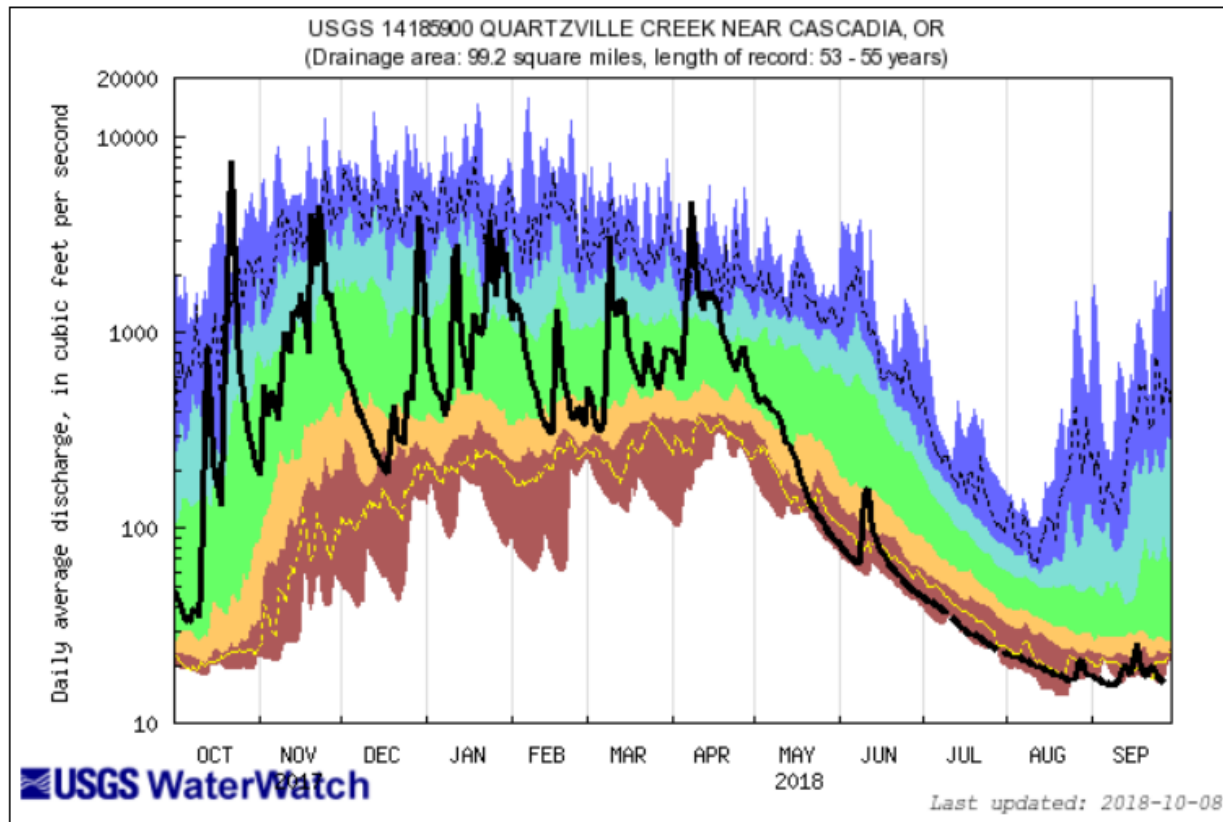
USGS 14337500 BIG BUTTE CREEK NEAR MCLEOD, OR



- ▲ Median daily statistic (61 years)
- Discharge
- ✱ Measured discharge
- Provisional Data Subject to Revision ----



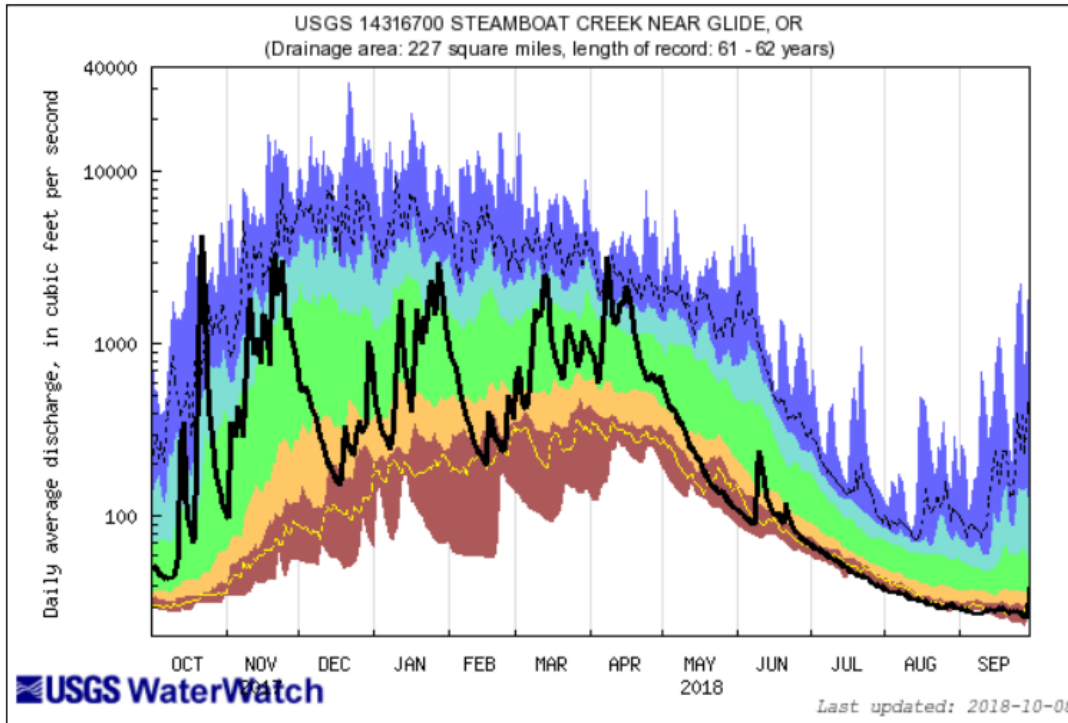
Linn County



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



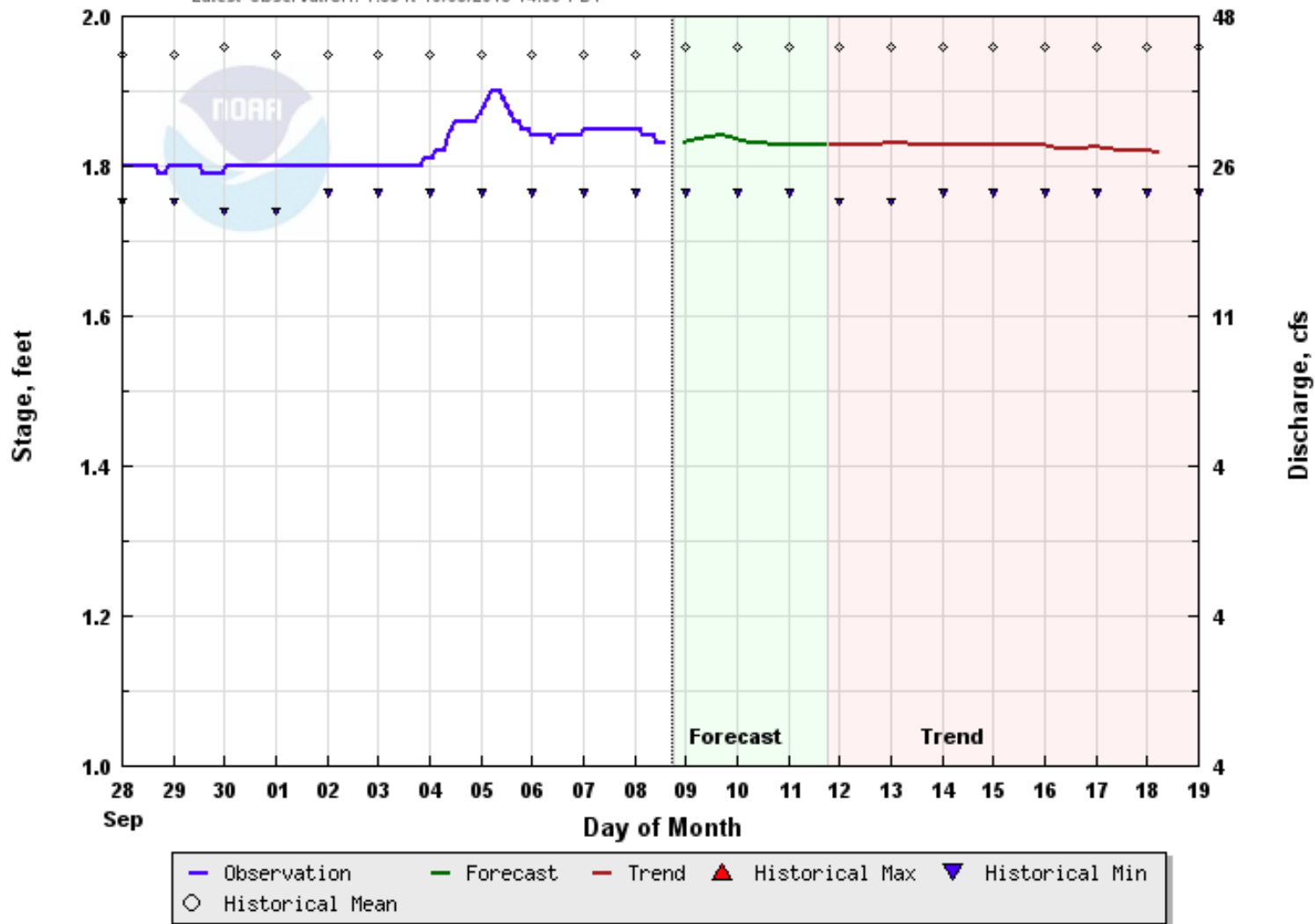
Douglas County



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

DONNER UND BLITZEN - NR FRENCHGLEN (DON03)

Latest Observation: 1.83 ft 10/08/2018 14:00 PDT



Forecast Created: 10/08/2018 16:23 PDT

Plot Created: 10/08/2018 18:13 PDT

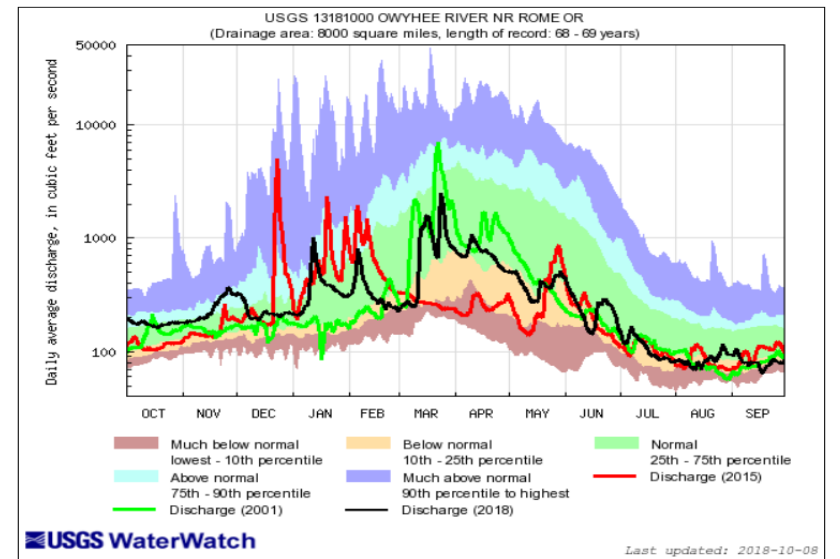
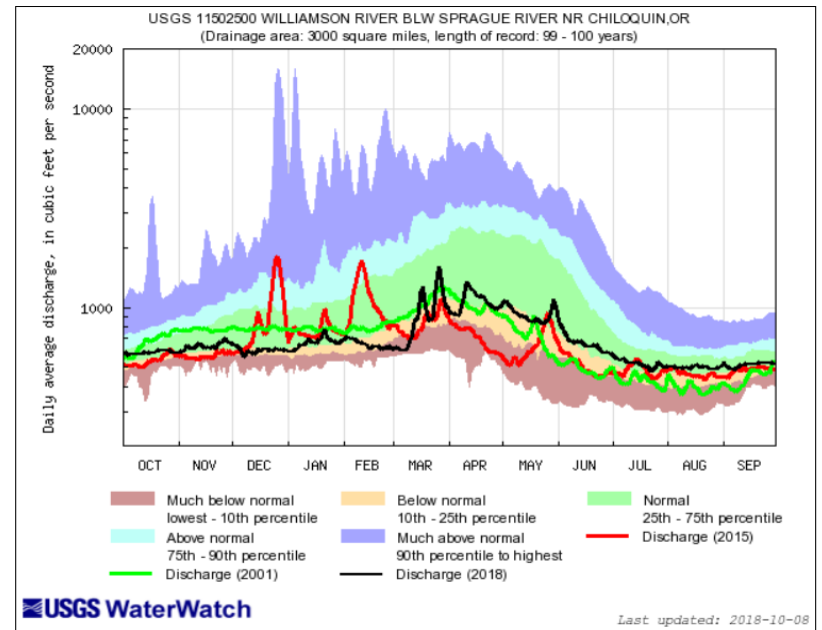
Monthly Water Availability Report

US GEOLOGICAL SURVEY, OREGON WATER SCIENCE CENTER
WATER AVAILABILITY REPORT FOR SEPTEMBER 2018

Station	MRCS SMSI Basin	Monthly mean discharge		Change in dis- charge from previous month (percent)	Accumulated Runoff For the Period Oct. to Sep. Percent of average
		Cubic feet per second	Percent of average		
Donner Und Blitzen nr Frenchglen	Harney	26	59	4	48
(*)Deep Creek above Adel	Lake County	9	50	29	53
(*)Chewaucan River near Paisley	Lake County	24	77	20	62
Williamson River near Chiloquin	Klanath	519	102	3	70
Owyhee River near Rome	Owyhee	82	61	-4	35
(*)NF Malheur River near Beulah	Malheur	46	96	21	56
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	540	79	6	106
Umatilla River nr Gibbon	Umatilla Lower John Day	47	107	4	119
John Day River at Service Crk	Upper John Day	62	30	77	56
(*)Little Deschutes River nr LaPine	Upper Deschutes	86	68	-14	70
Hood River nr Hood River	Lower Deschutes Mt.Hood	279	90	0	103
Willamette River at Salem	Willamette	7,545	83	15	89
Wilson River near Tillamook	North Coast	78	65	39	111
Umpqua River near Elkton	Rogue/Umpqua	840	69	-2	69
Rogue River near Agness	Rogue/Umpqua	1,928	91	-14	70
SF Coquille River at Powers	South Coast	17	43	-23	86
Chetco River near Brookings	South Coast	82	66	-20	83

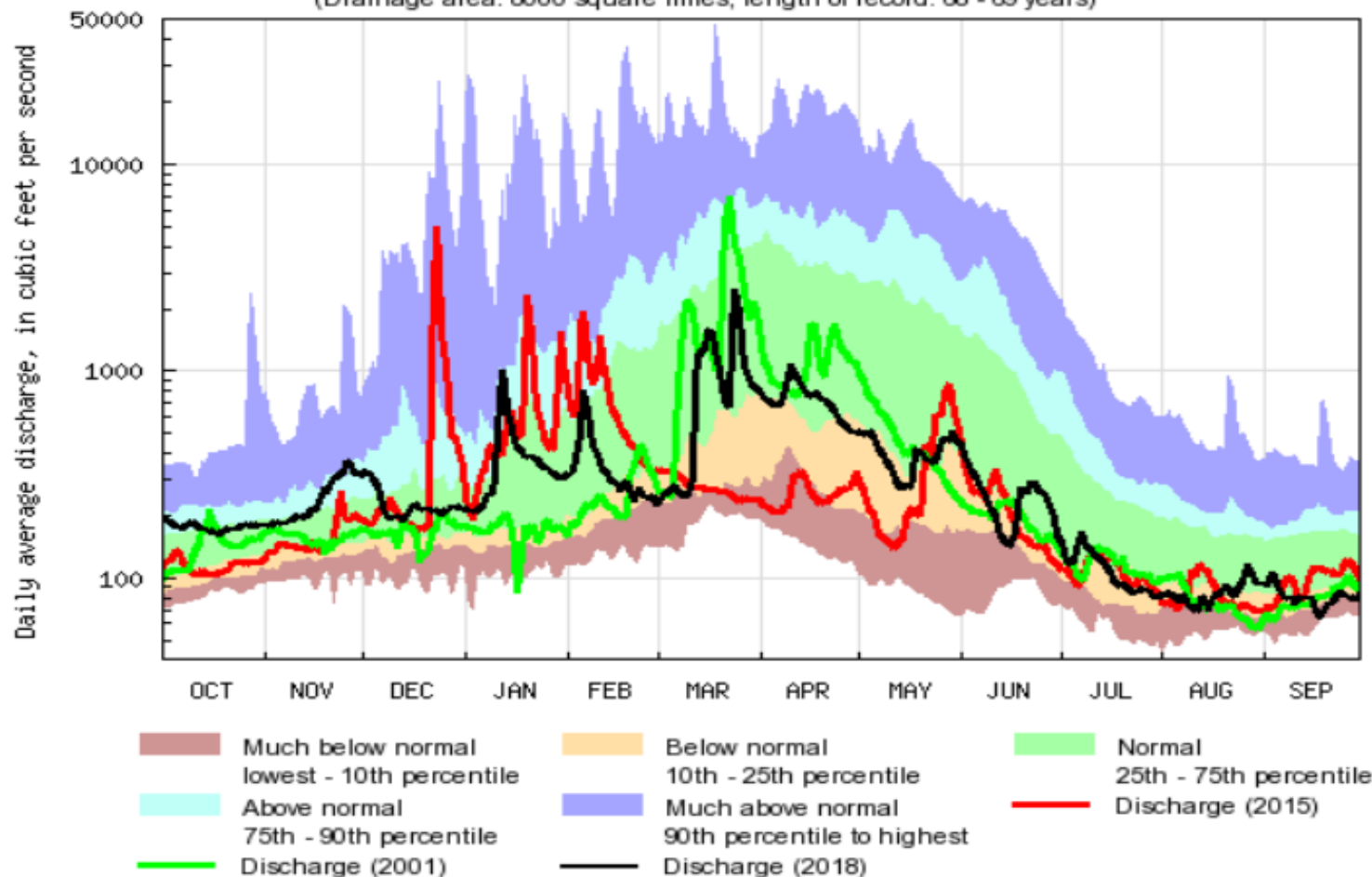
All data should be considered provisional and subject to revision.
Percent of average computed using 30-year base period, water years 1981-2010.
(*) provided by Oregon Water Resources Department

10/2/2018



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

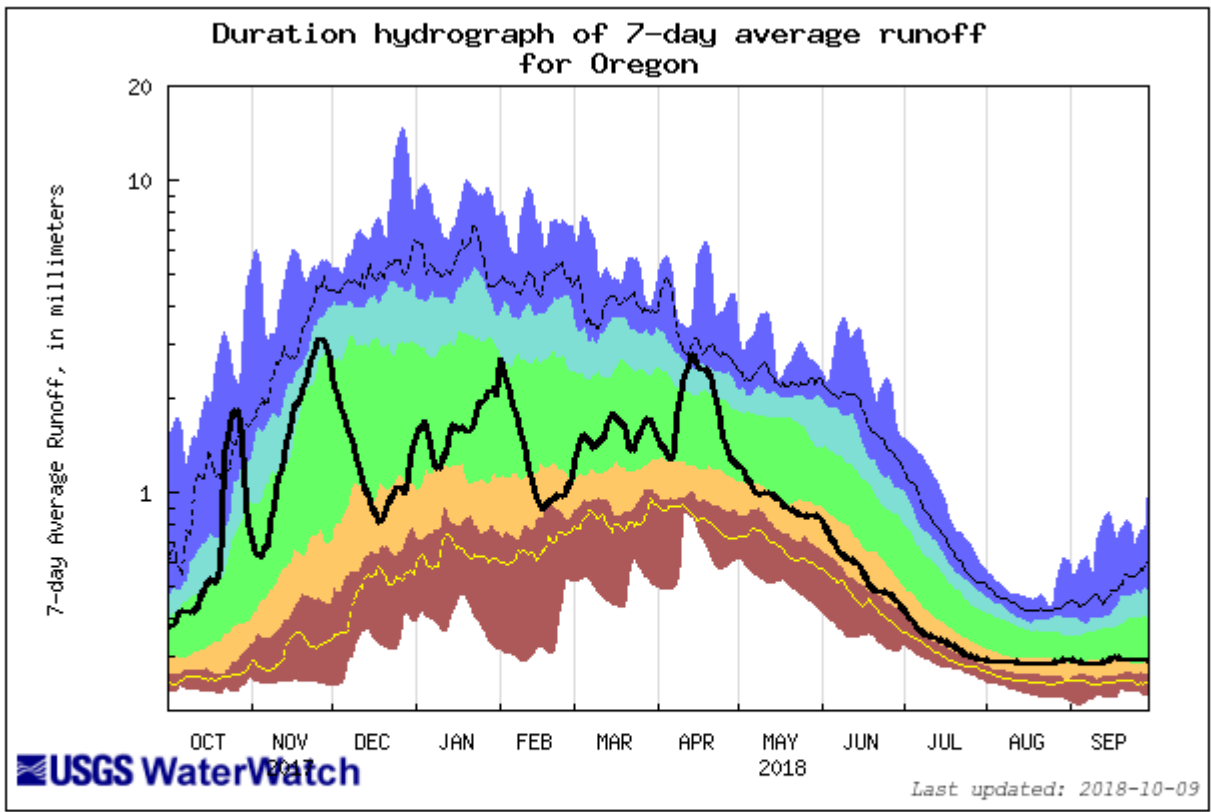
USGS 13181000 OWYHEE RIVER NR ROME OR
 (Drainage area: 8000 square miles, length of record: 68 - 69 years)



USGS WaterWatch

Last updated: 2018-10-08

Explanation - Percentile 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	



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



Water Supply Conditions Report

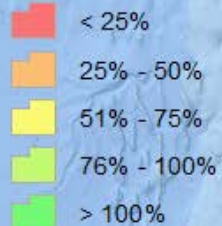
Water Supply Availability Committee



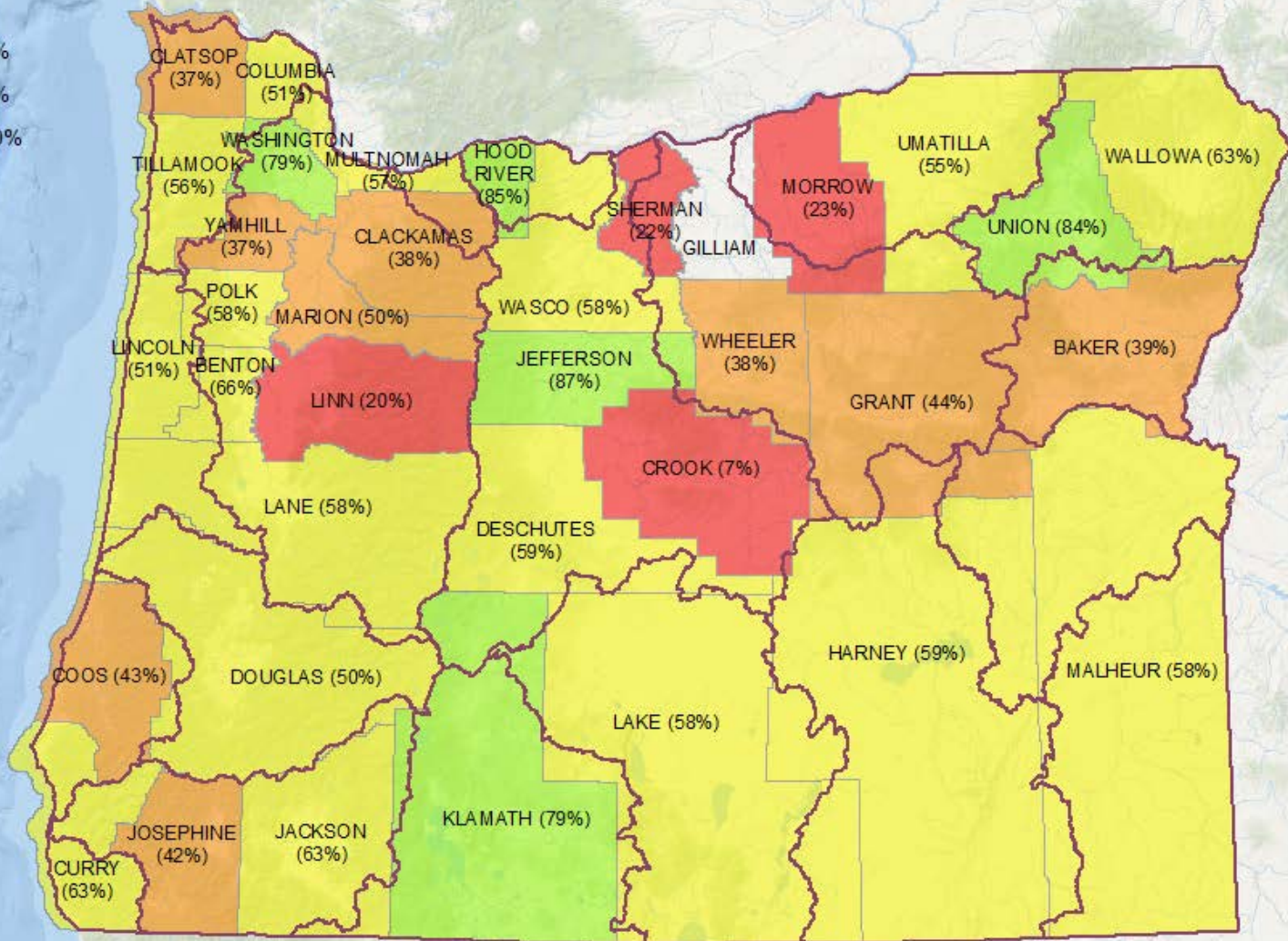
Ken Stahr
Oregon Water Resources
Department
October 9, 2018

Percent of Average Streamflow September, 2018

County

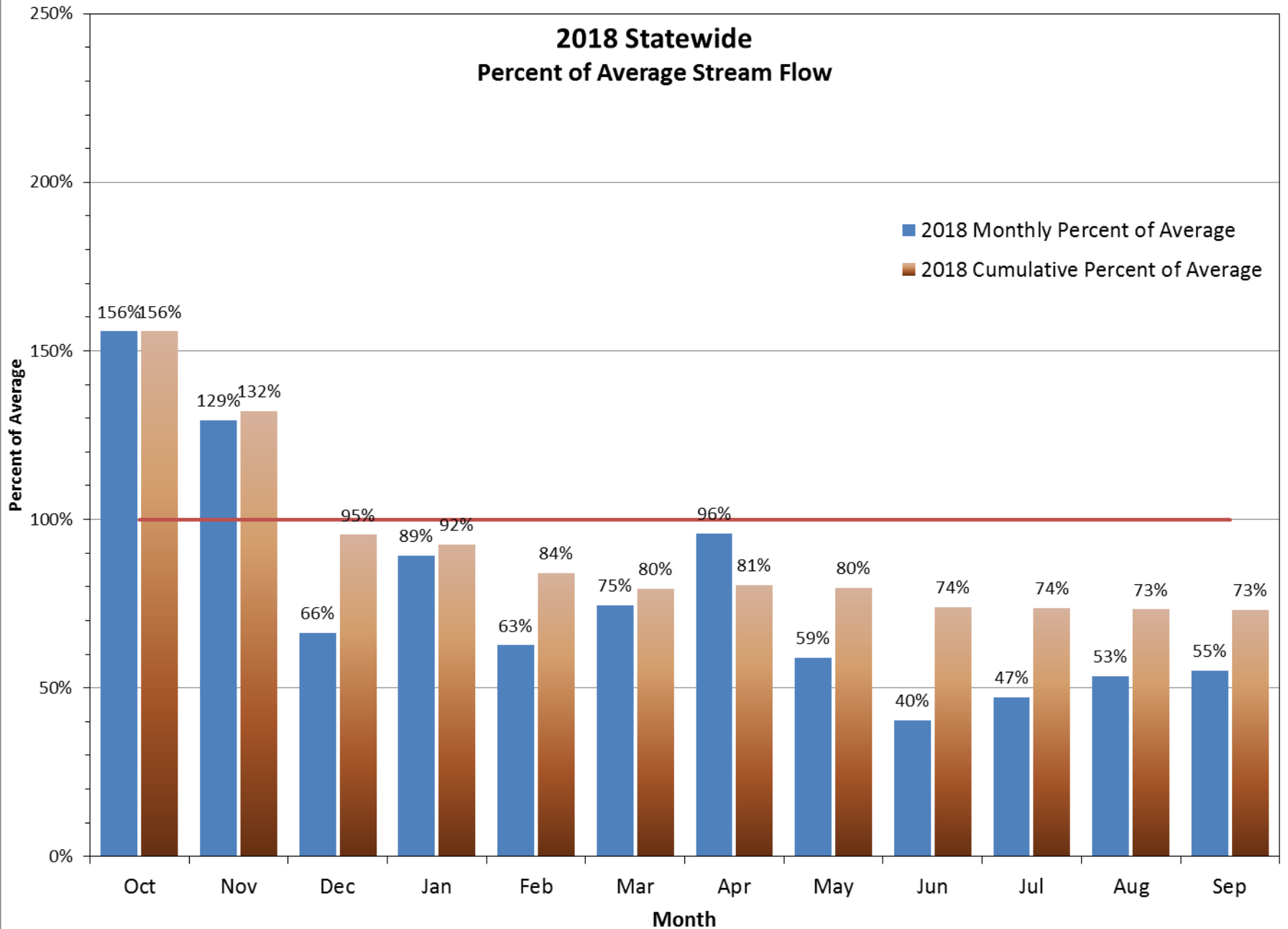


WRD Basin



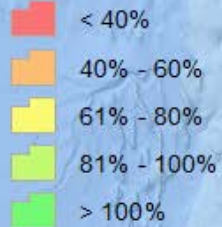
Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.

2018 Statewide Percent of Average Stream Flow

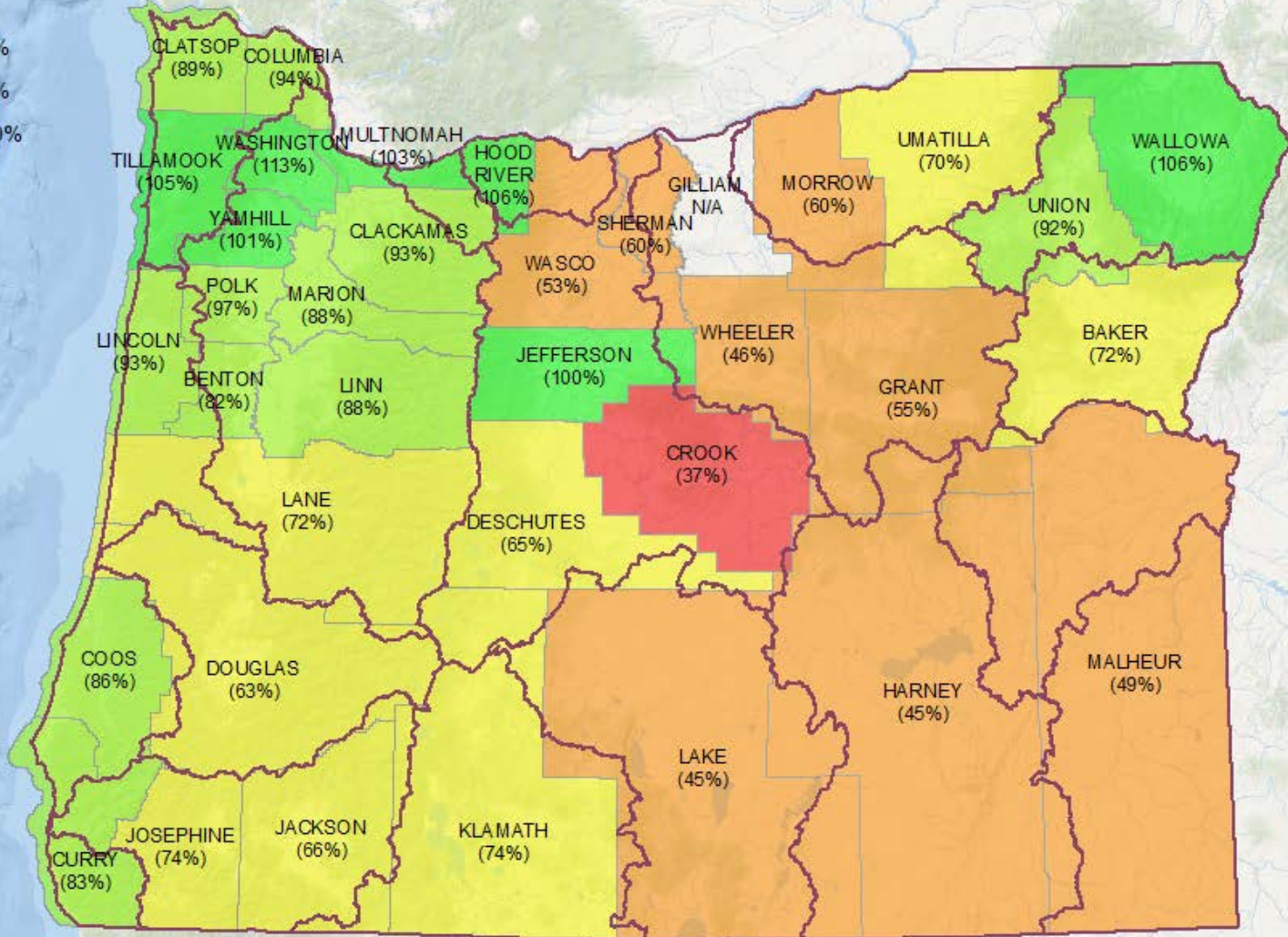


Percent of Average Streamflow Water Year - 2018

County

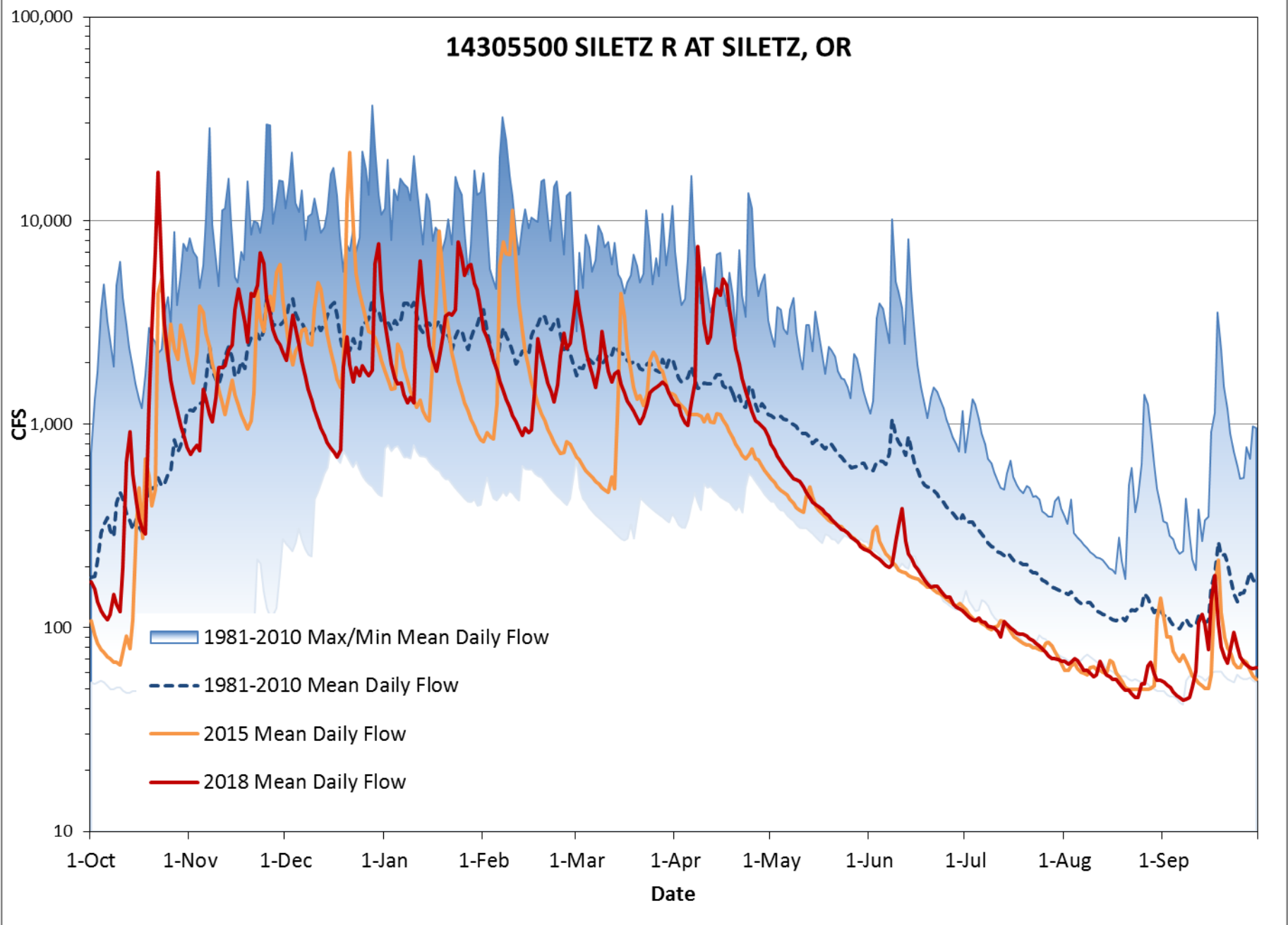


WRD Basin

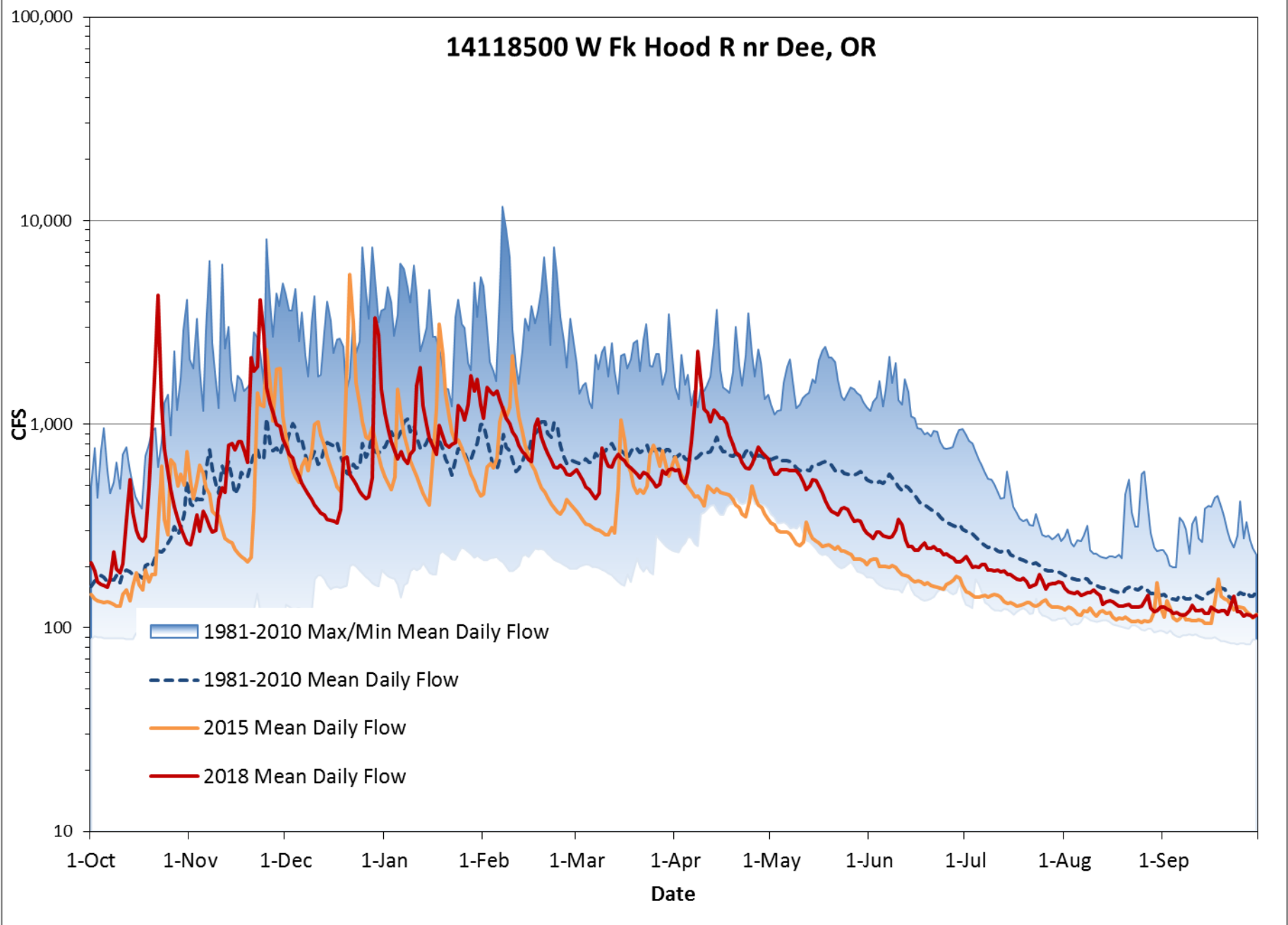


Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.

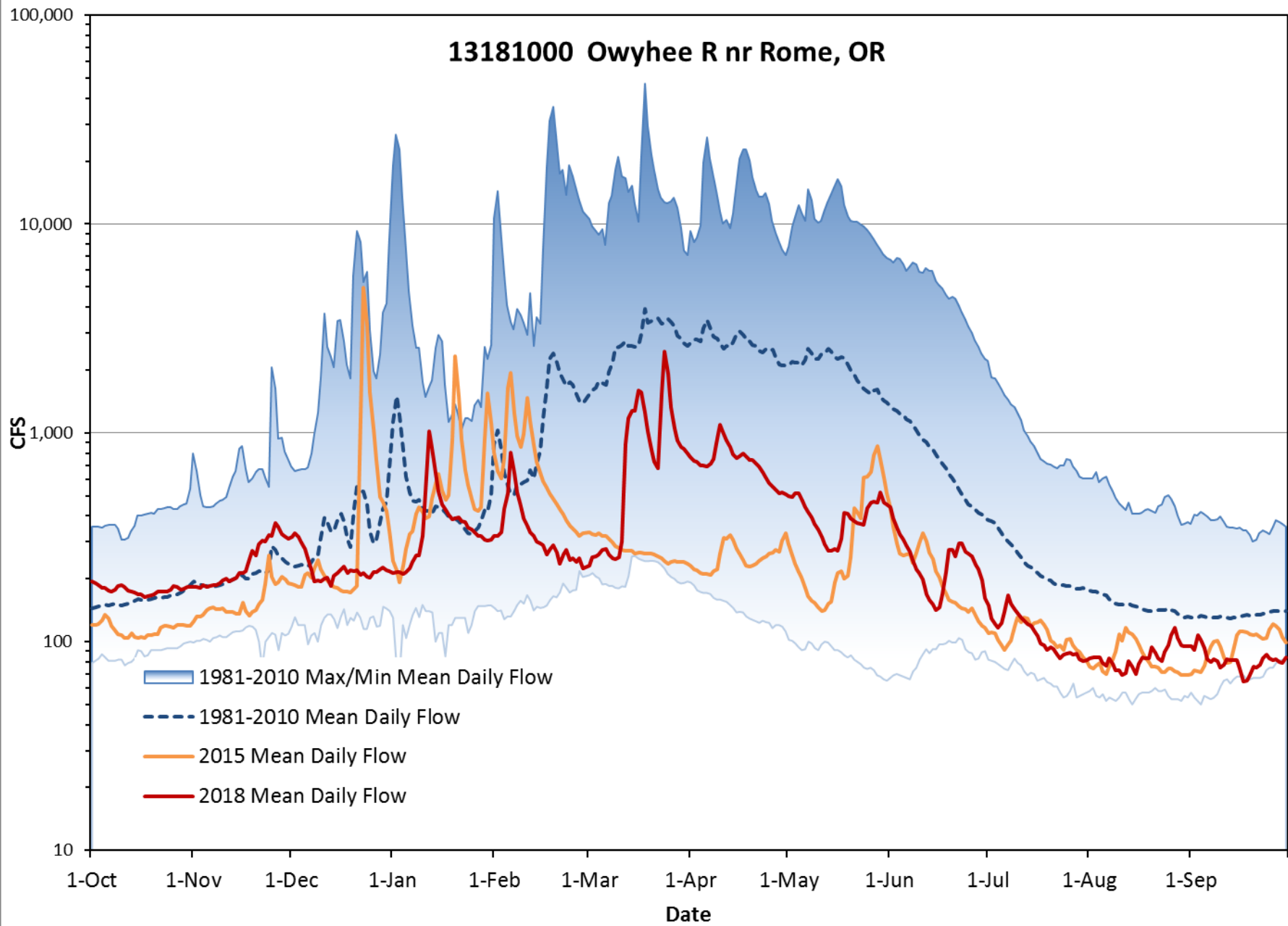
14305500 SILETZ R AT SILETZ, OR



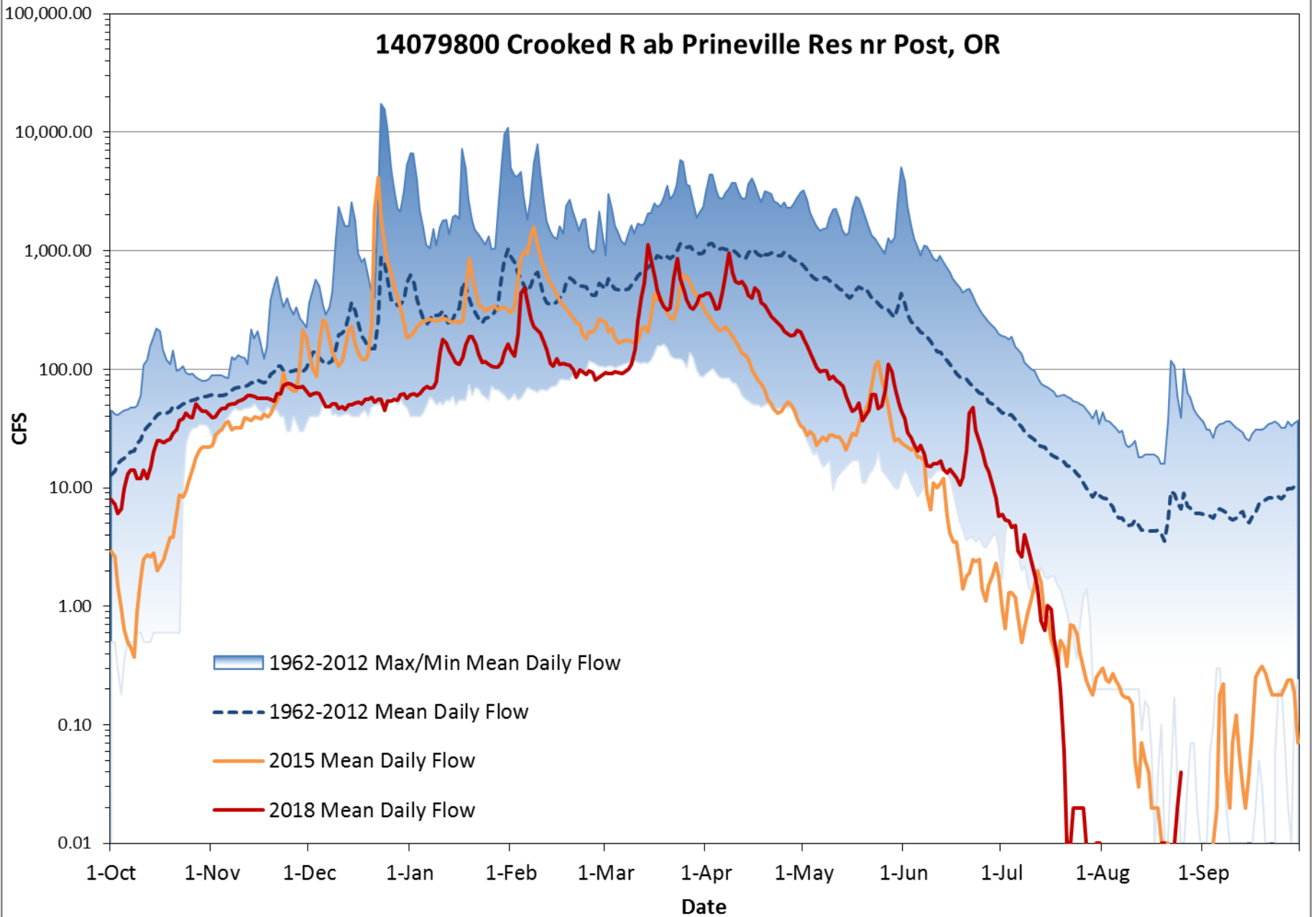
14118500 W Fk Hood R nr Dee, OR



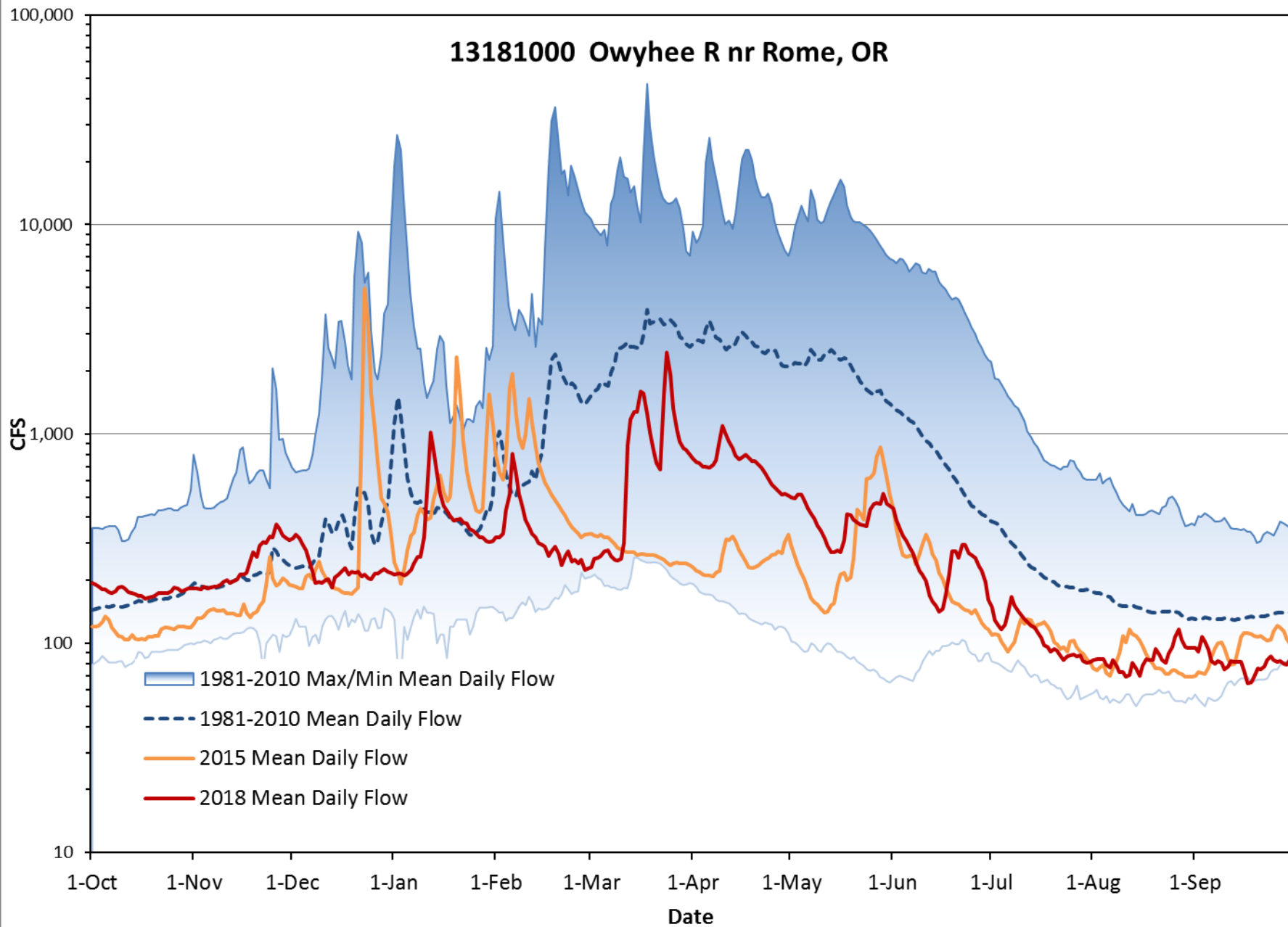
13181000 Owyhee R nr Rome, OR



14079800 Crooked R ab Prineville Res nr Post, OR






13181000 Owyhee R nr Rome, OR

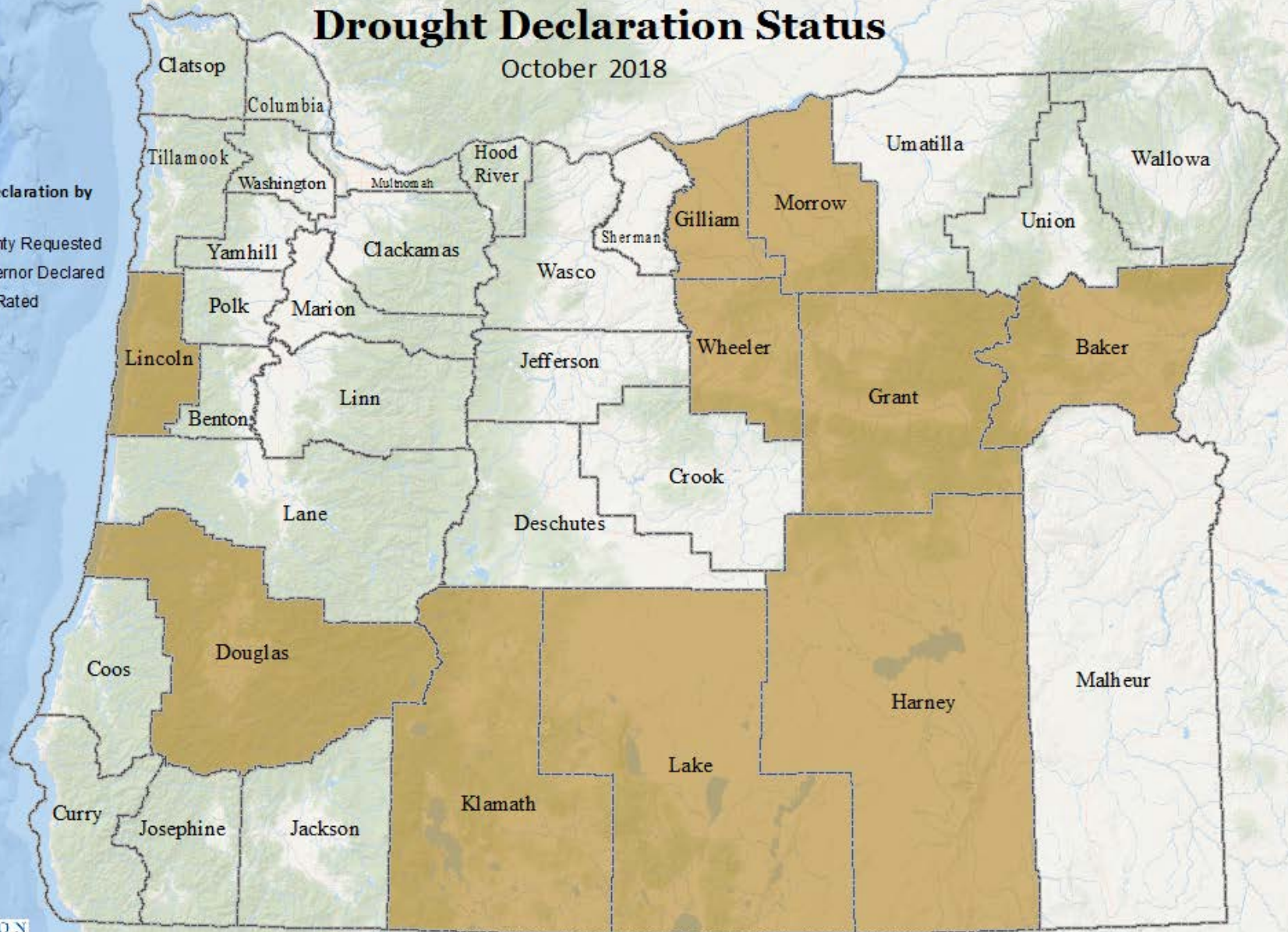


Drought Declaration Status

October 2018

Drought Declaration by

-  County Requested
-  Governor Declared
-  Not Rated



Oregon Water Resources Department
725 Summer St. NE Suite A
Salem, OR 97301
www.oregon.gov/owrd

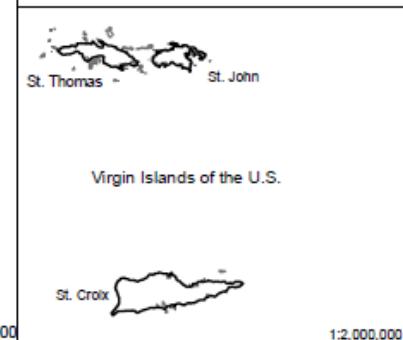
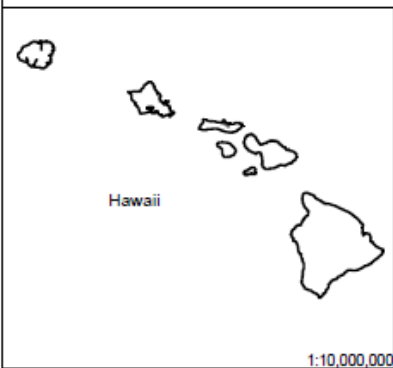
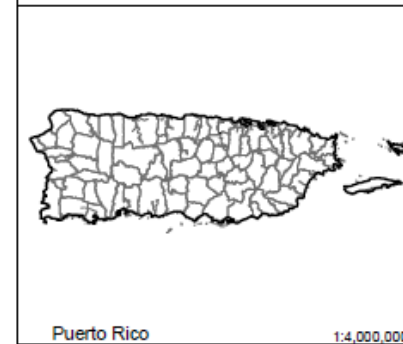
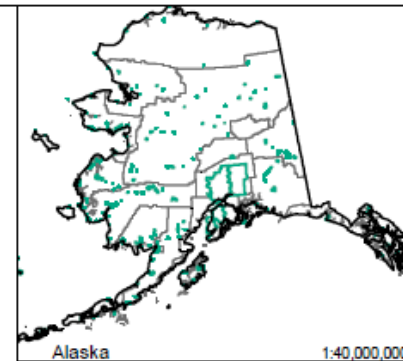
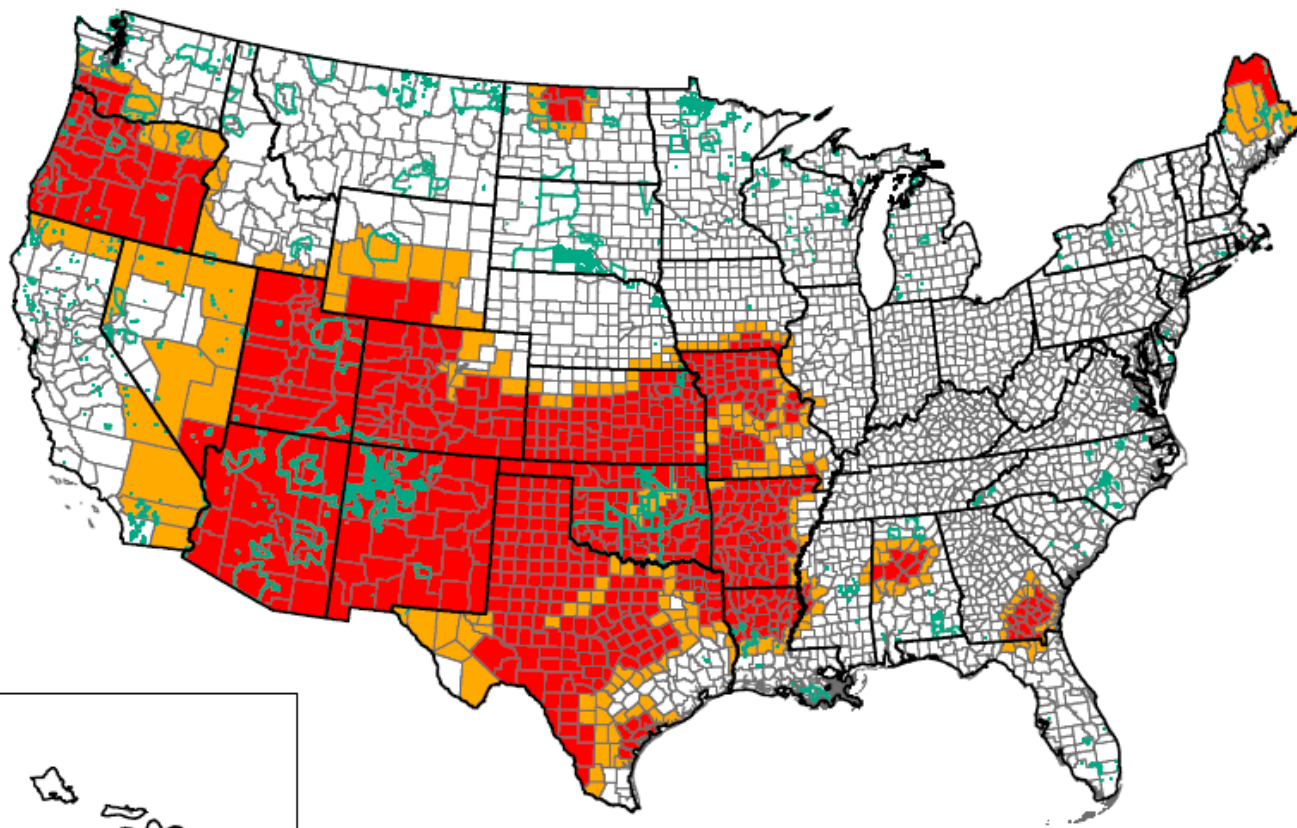
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

0 20 40 60 80 100 Miles

Updated: 10/2/2018 8:34 AM
Projection: Oregon Lambert, NAD 83

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

2018 Secretarial Drought Designations - All Drought



Secretarial Drought Designations for 2018

Disaster Incidents as of September 26, 2018

-  State Boundary
-  County Boundary
-  Tribal Lands
-  Primary Counties: 667
-  Contiguous Counties: 255



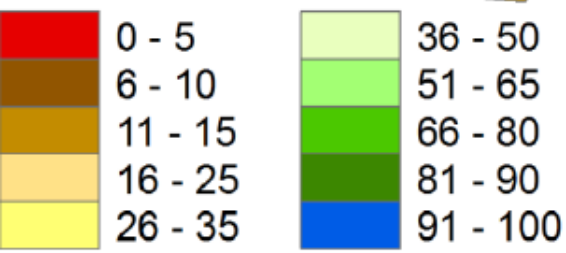
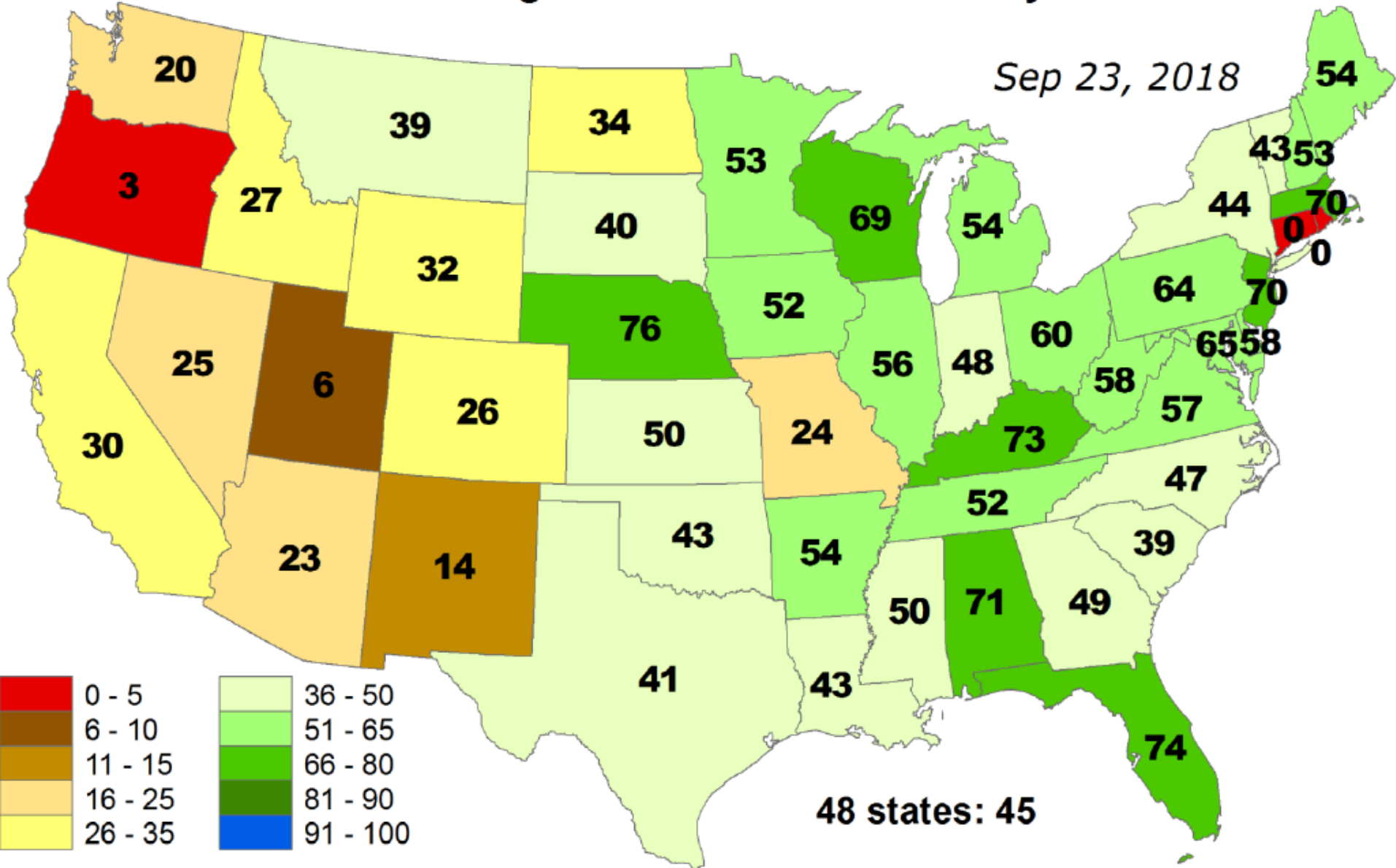
United States Department of Agriculture
Farm Service Agency
Production, Emergencies and Compliance Division
Washington, D.C.
September 26, 2018

1:250,000

1:2,000,000

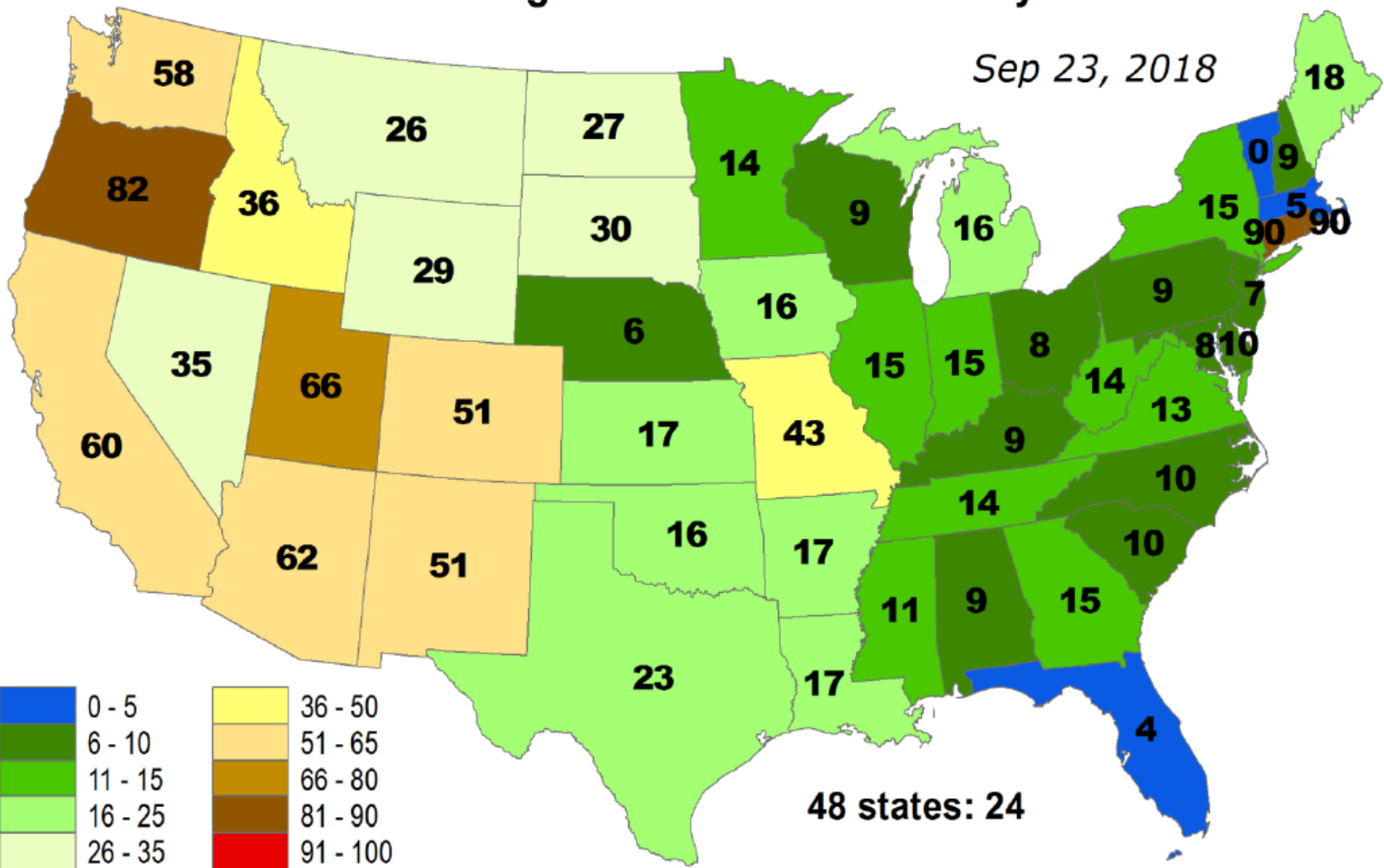
Percent of Pasture & Range Land in "Good" or "Very Good" Condition

Sep 23, 2018



Percent of Pasture & Range Land in "Poor" or "Very Poor" Condition

Sep 23, 2018



OREGON



WATER RESOURCES
DEPARTMENT

Thank you.

RECLAMATION

Managing Water in the West

Oregon Water Supply Availability Committee Meeting

Pacific Northwest Regional Office
River and Reservoir Operations
October 8, 2018



U.S. Department of the Interior
Bureau of Reclamation

Agenda

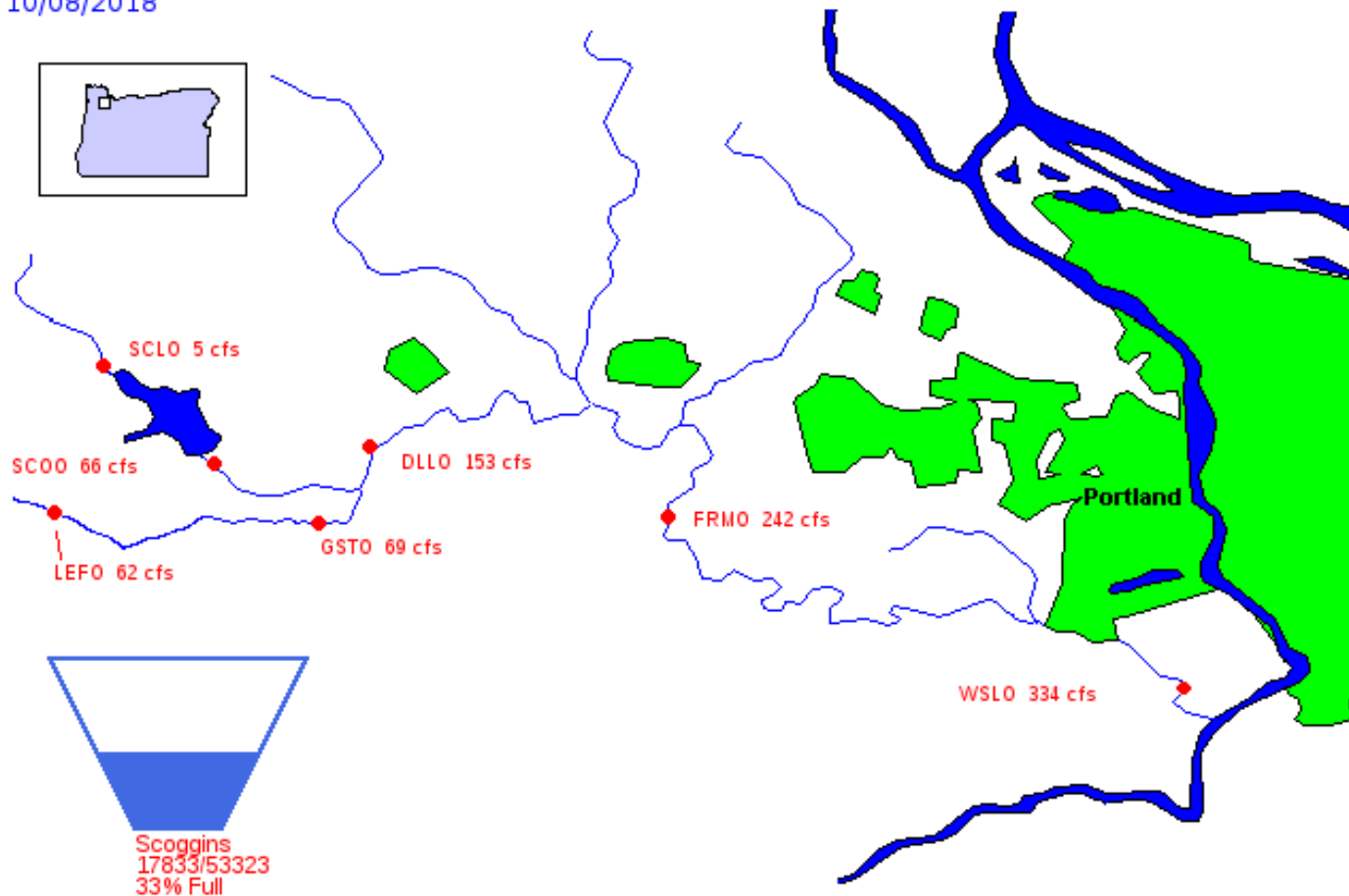
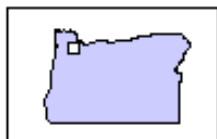
- Current conditions by river basin
- Climate conditions and forecasts

Current Conditions

RECLAMATION

Tualatin River Basin

10/08/2018

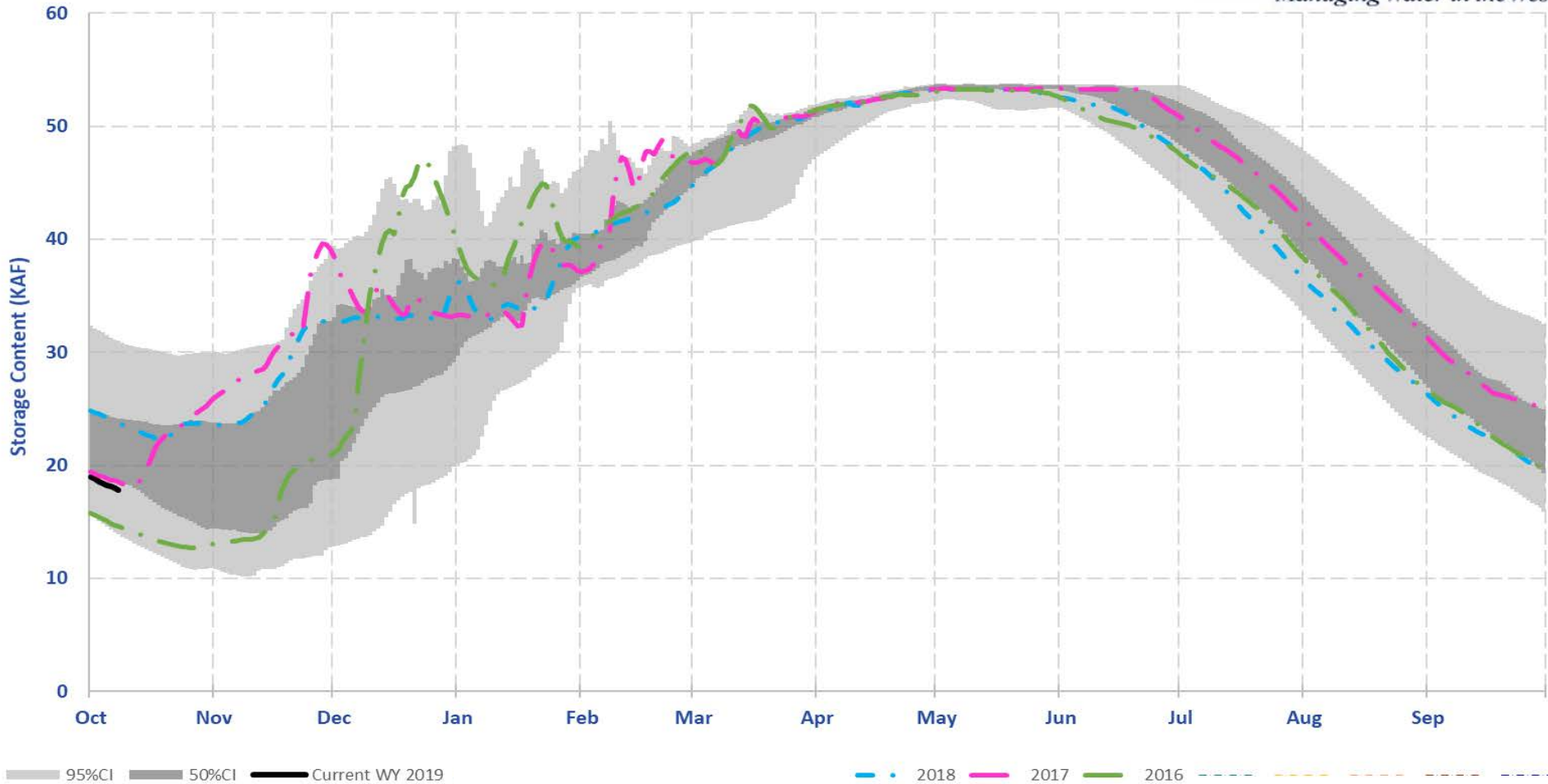


RECLAMATION

Tualatin River Basin: Scoggins

RECLAMATION
Managing Water in the West

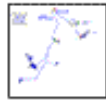
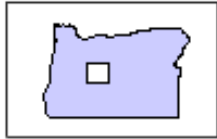
SCO AF



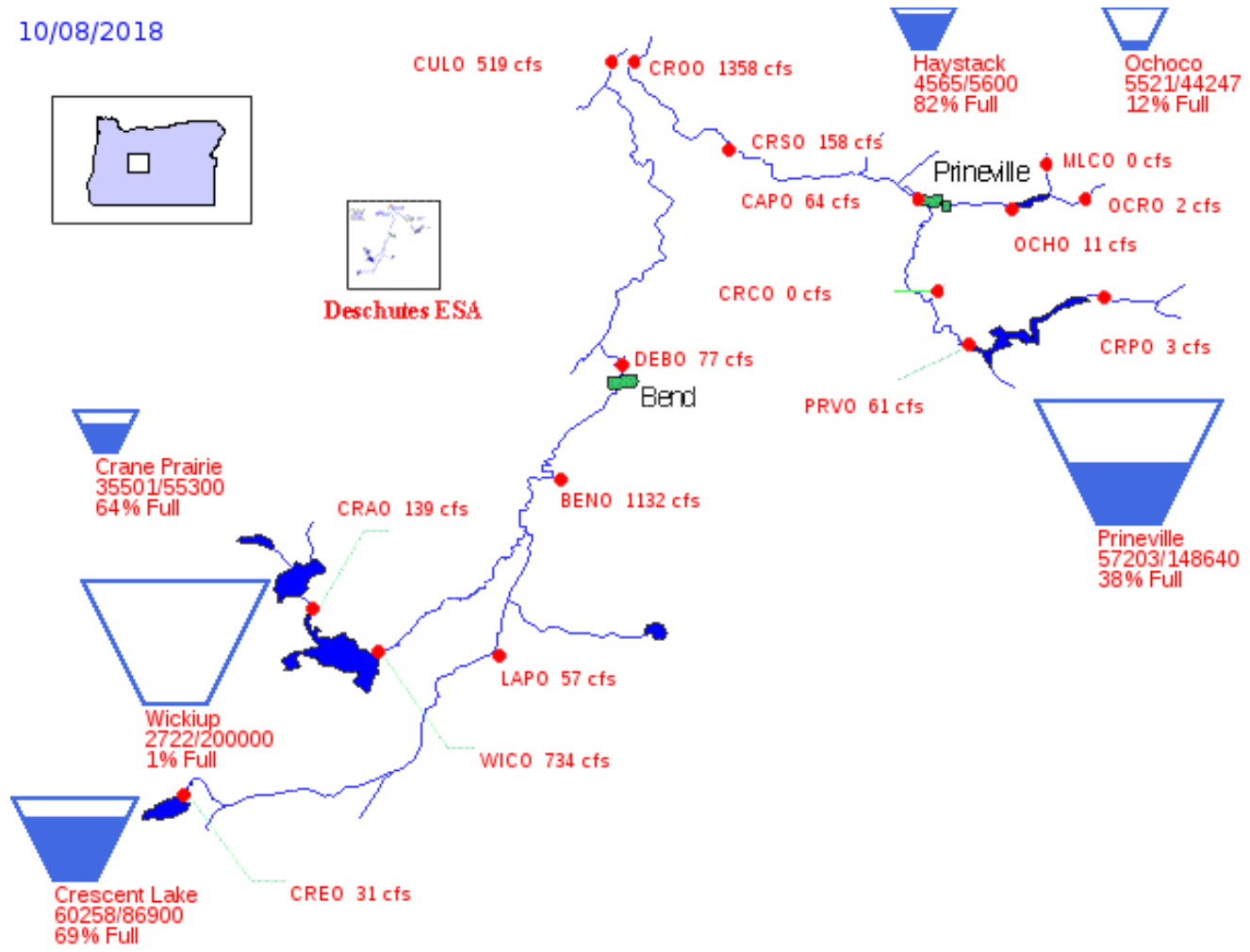
RECLAMATION

Deschutes River Basin

10/08/2018



Deschutes ESA

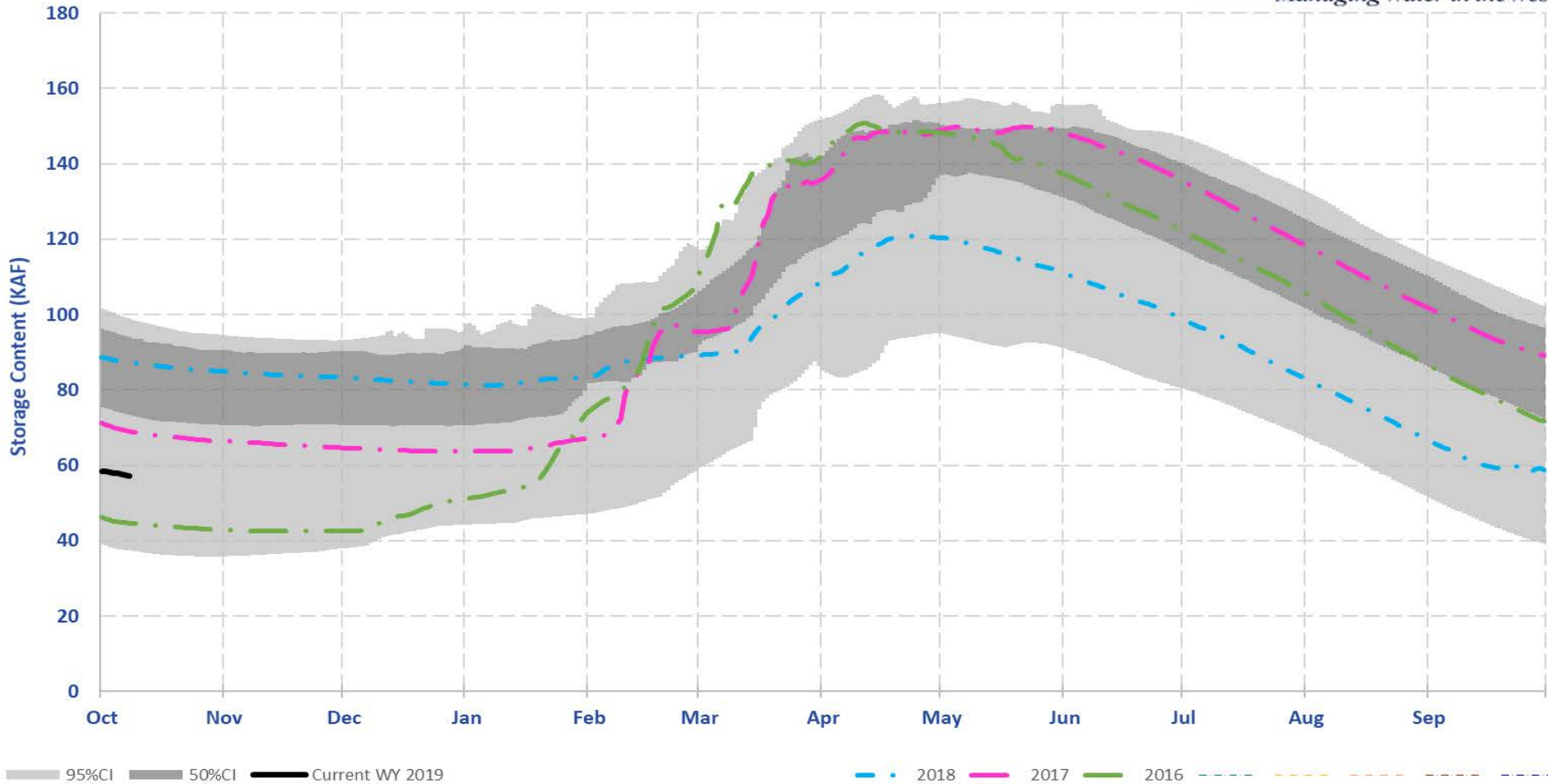


RECLAMATION

Deschutes River Basin: Prineville

RECLAMATION
Managing Water in the West

PRV AF

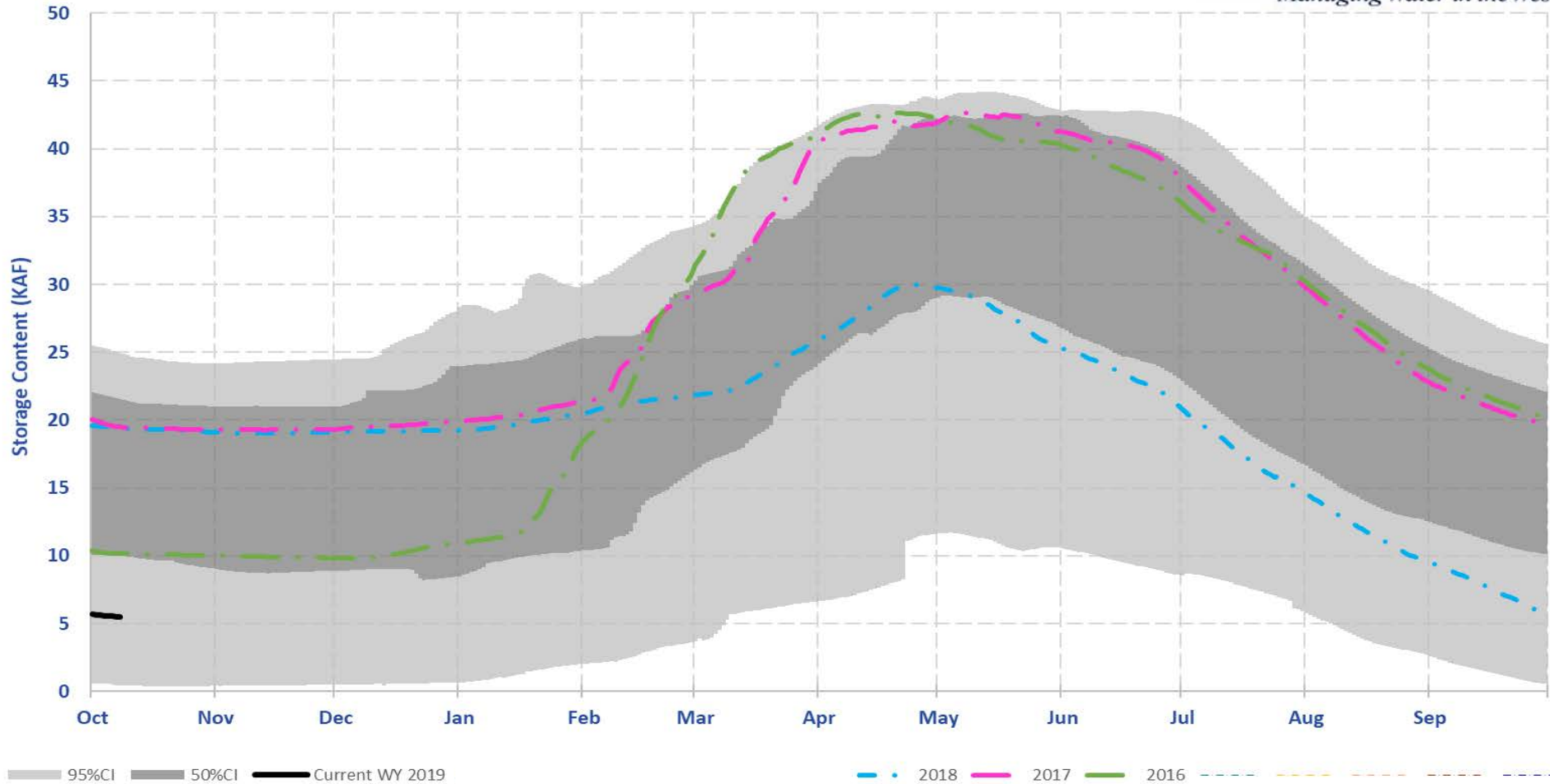


RECLAMATION

Deschutes River Basin: Ochoco

RECLAMATION
Managing Water in the West

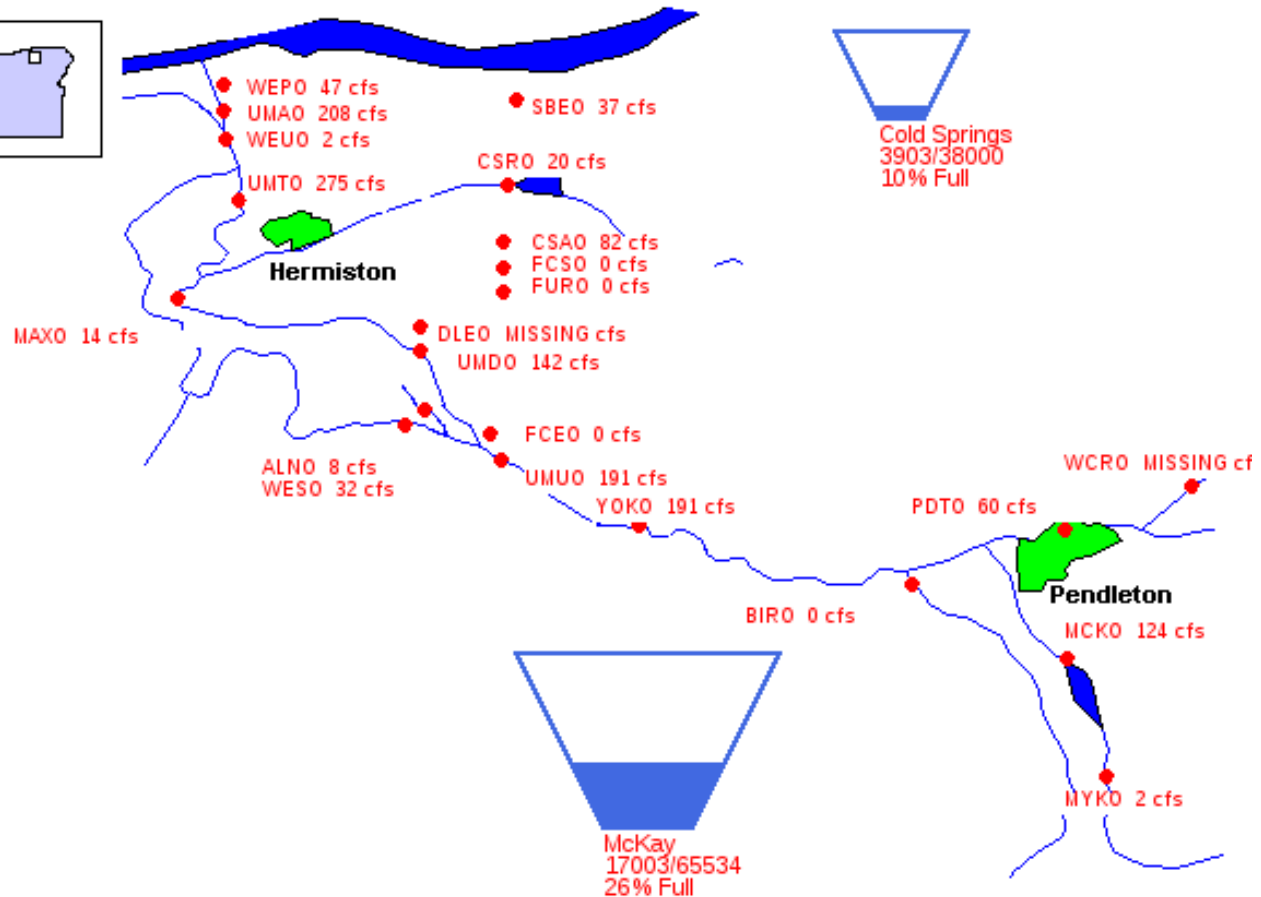
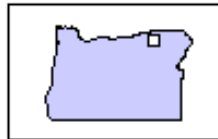
OCH AF



RECLAMATION

Umatilla River Basin

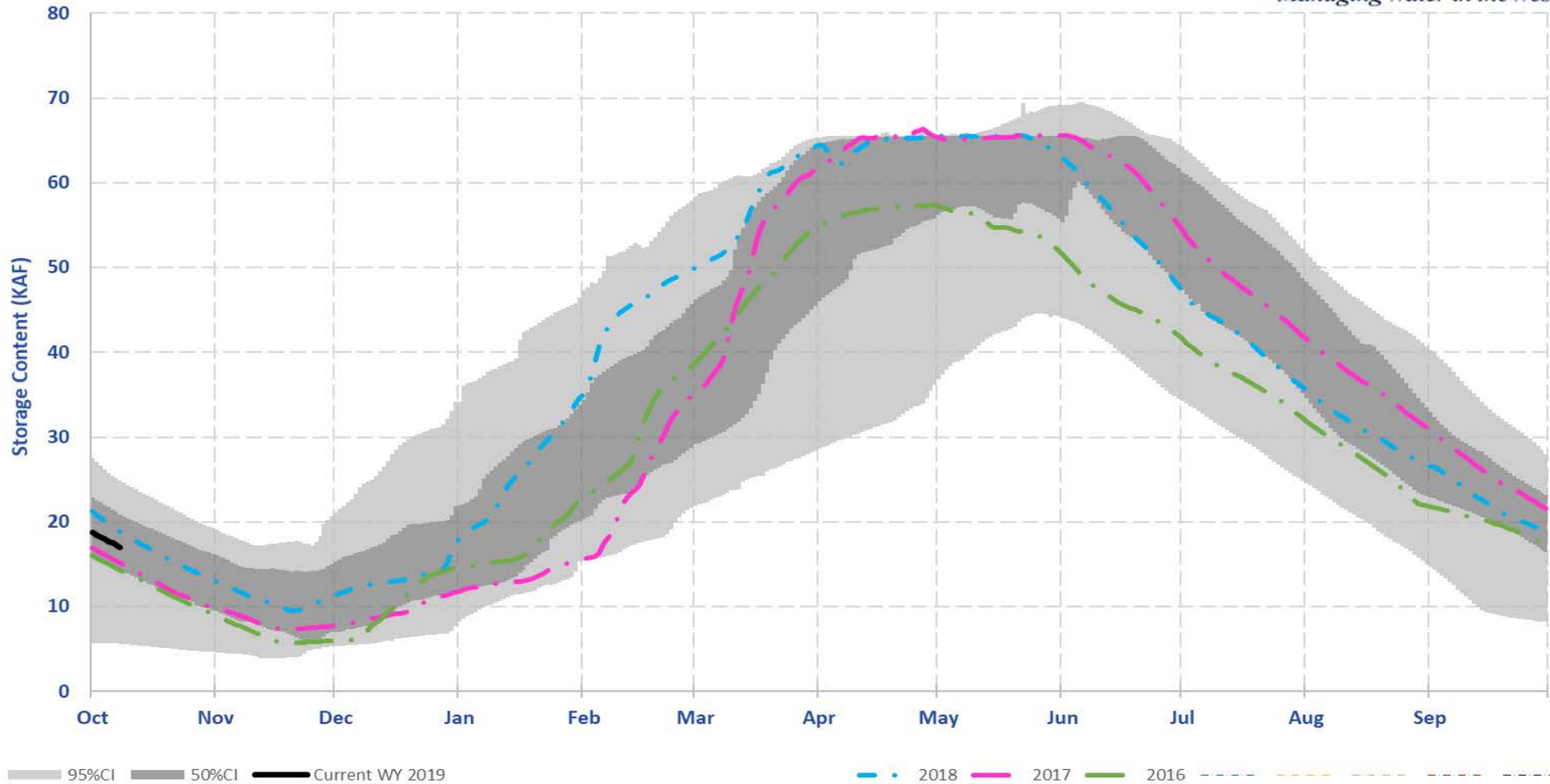
10/08/2018



Umatilla River Basin: McKay

RECLAMATION
Managing Water in the West

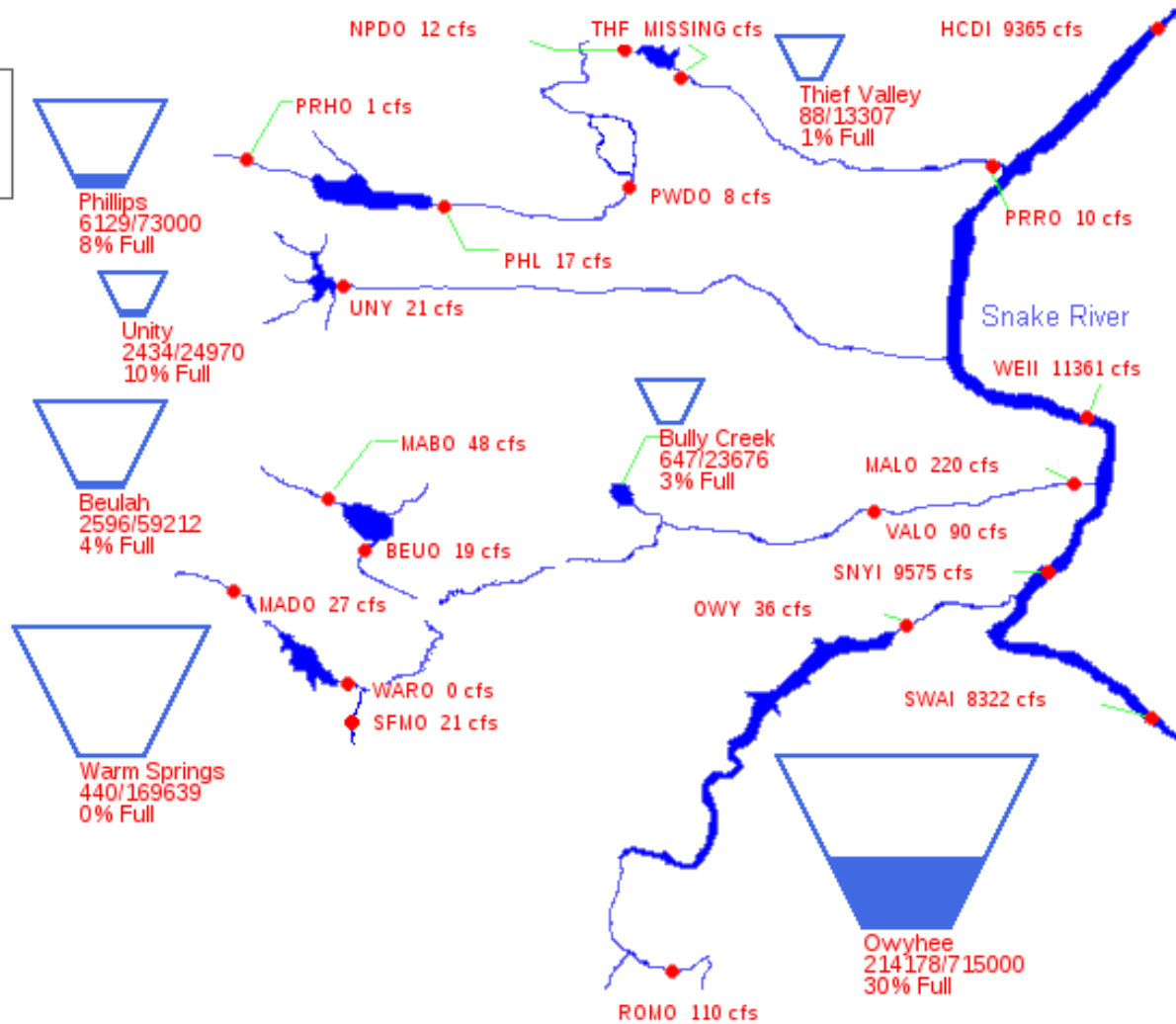
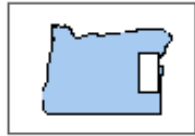
MCK AF



RECLAMATION

Southeastern Oregon

10/08/2018

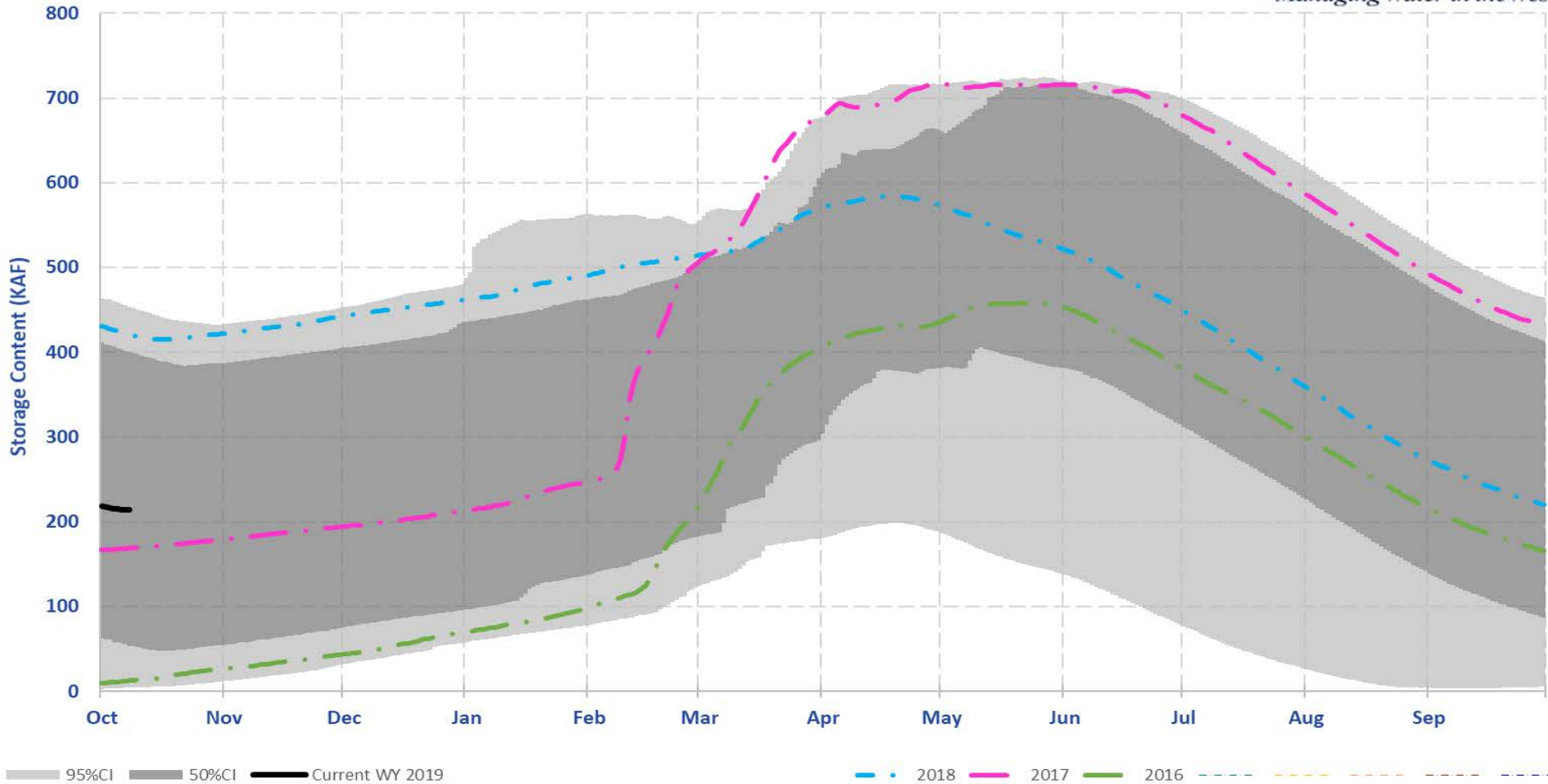


RECLAMATION

Owyhee River Basin: Owyhee

RECLAMATION
Managing Water in the West

OWY AF

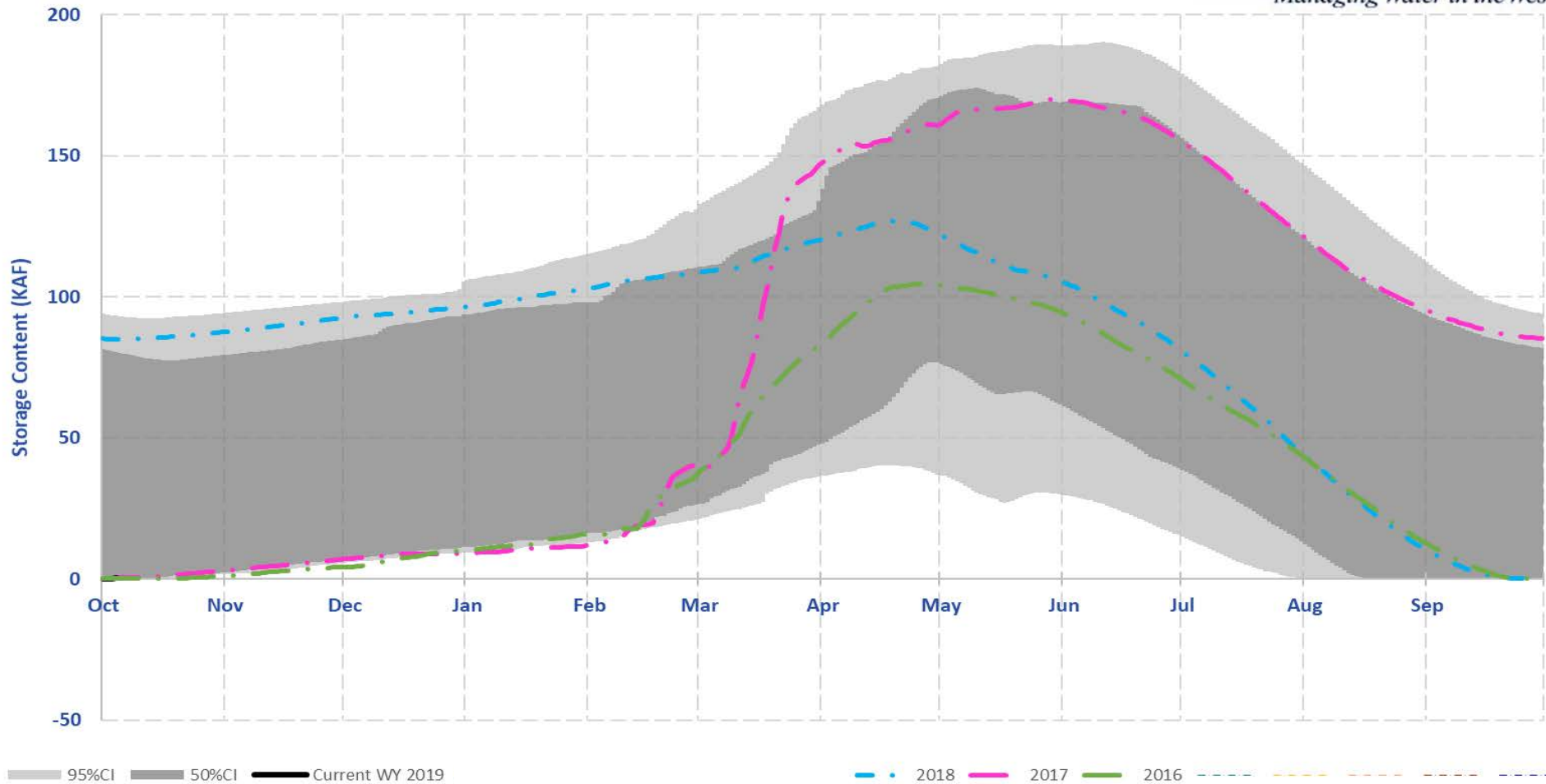


RECLAMATION

Malheur River Basin: Warm Springs

RECLAMATION
Managing Water in the West

WAR AF

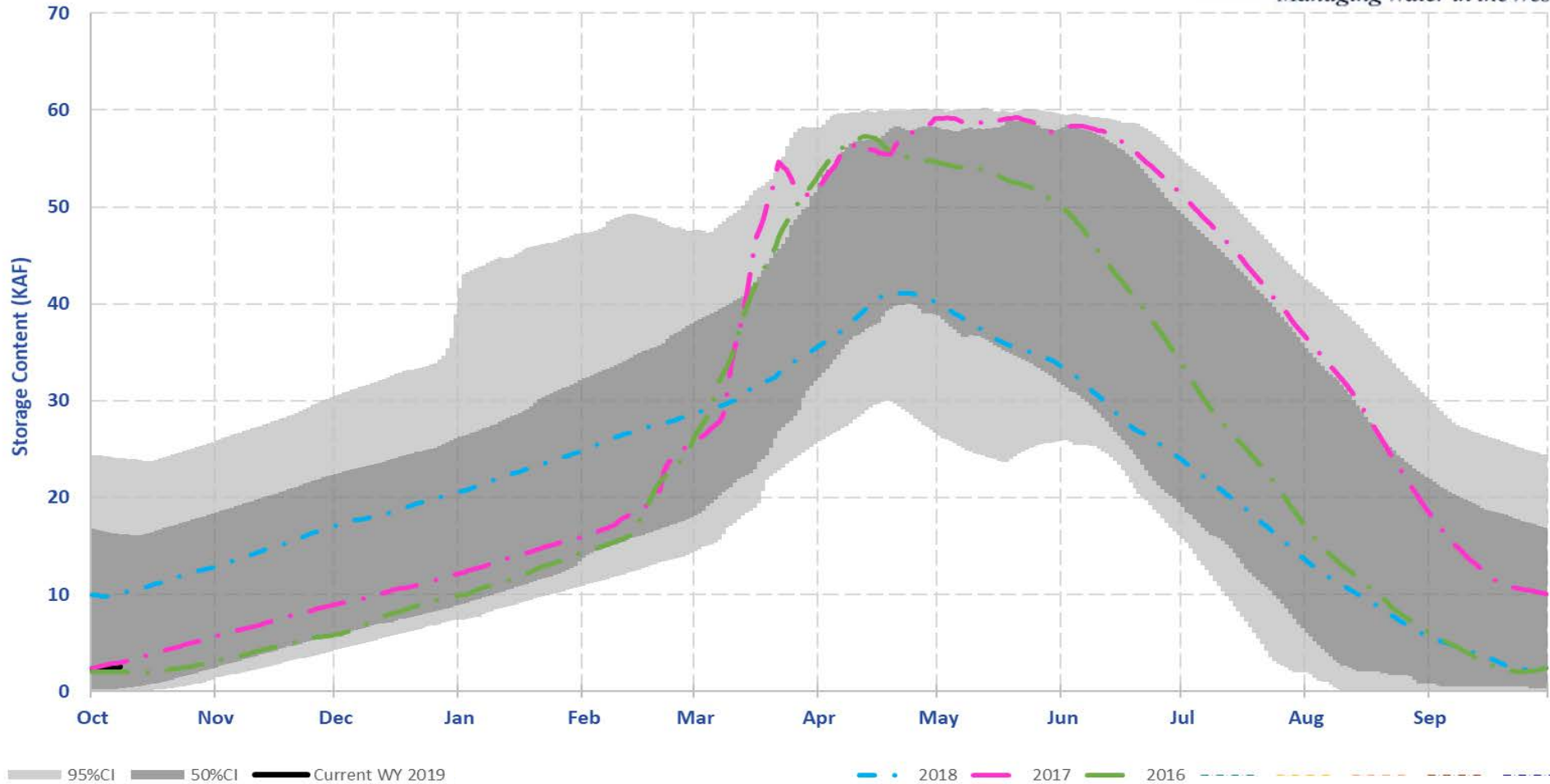


RECLAMATION

Malheur River Basin: Beulah

RECLAMATION
Managing Water in the West

BEU AF



95%CI 50%CI Current WY 2019

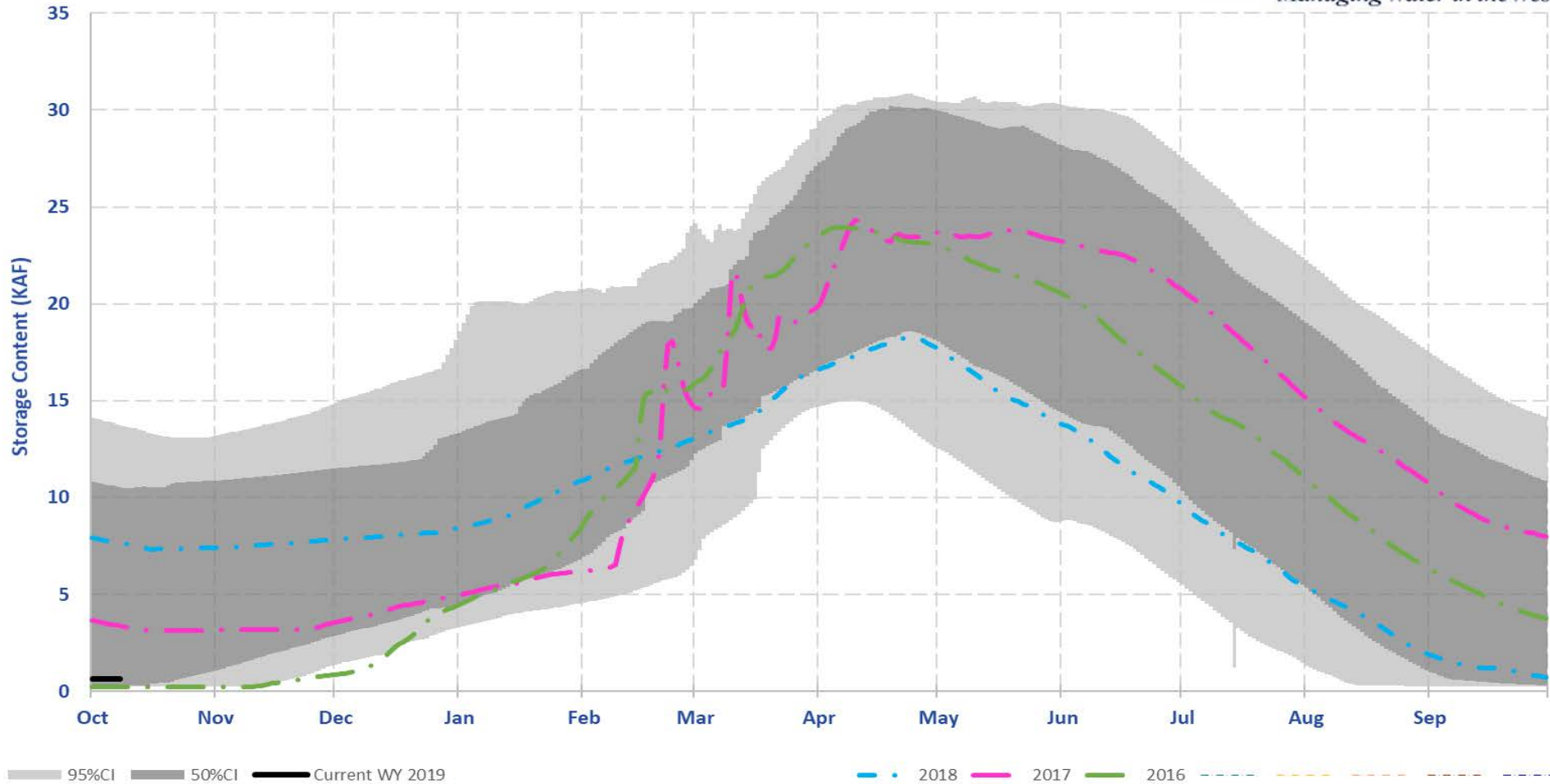
2018 2017 2016

RECLAMATION

Malheur River Basin: Bully Creek

RECLAMATION
Managing Water in the West

BUL AF



95%CI 50%CI Current WY 2019

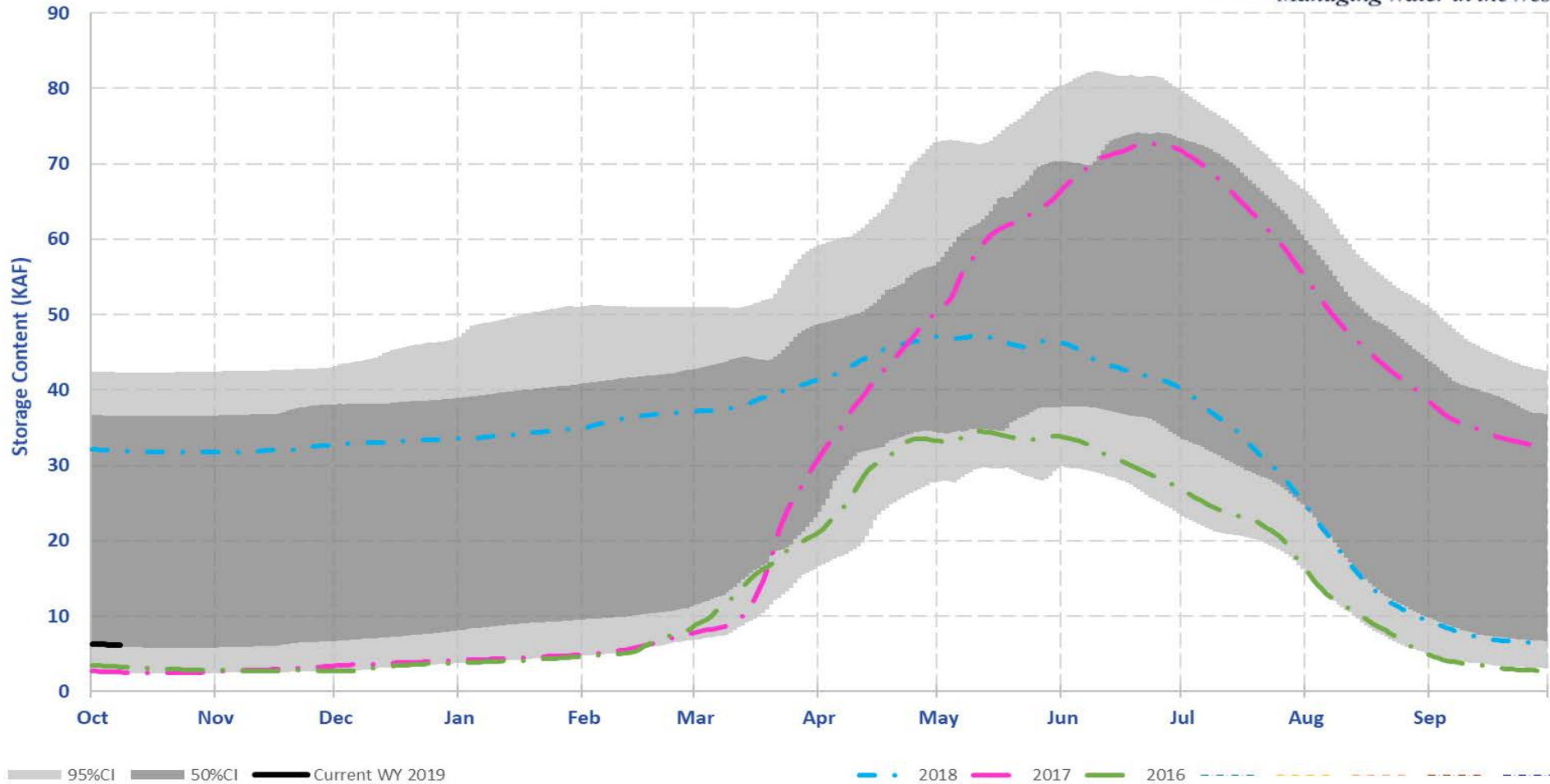
2018 2017 2016

RECLAMATION

Powder River Basin: Phillips

RECLAMATION
Managing Water in the West

PHL AF

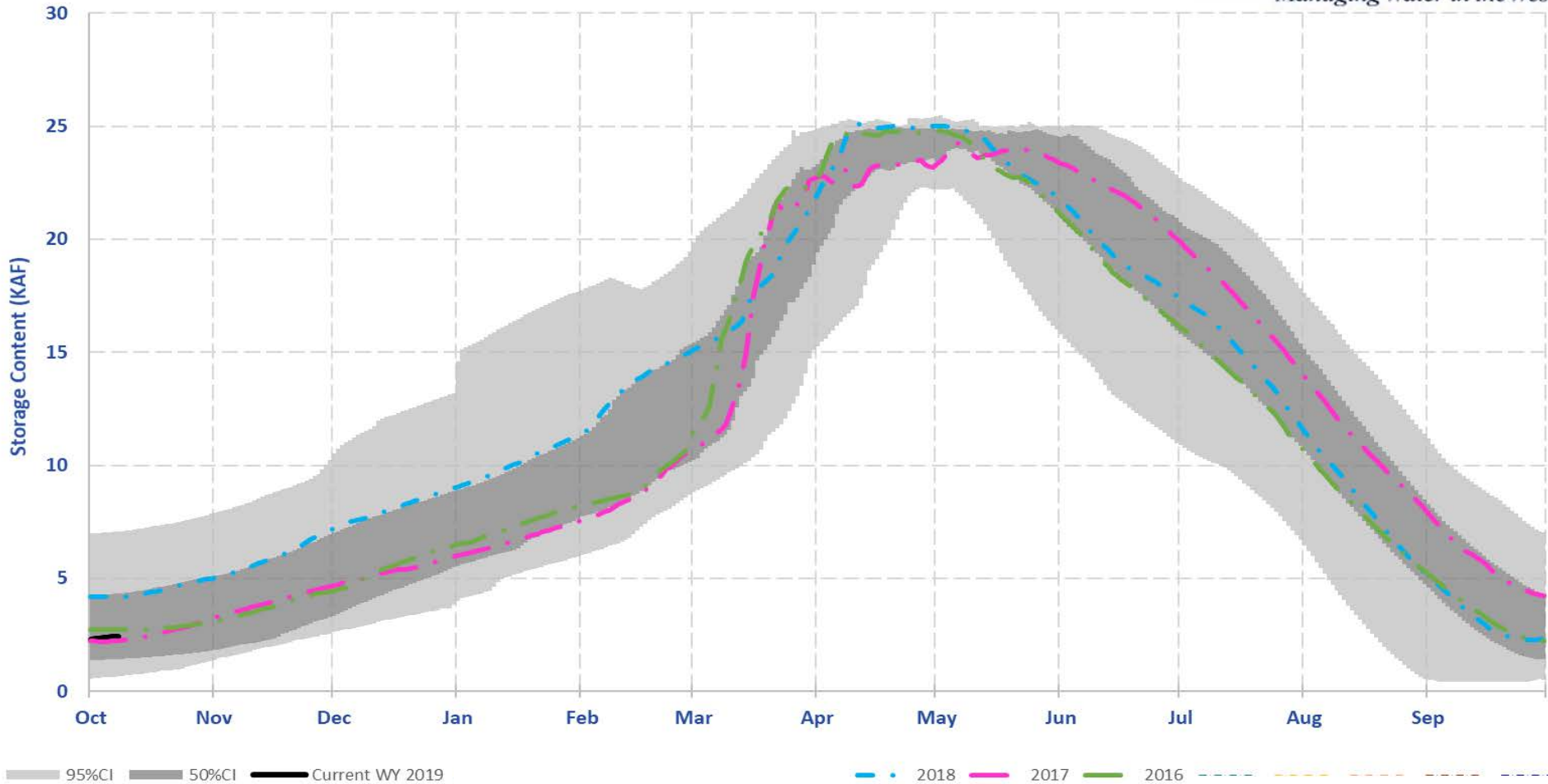


RECLAMATION

Burnt River Basin: Unity

RECLAMATION
Managing Water in the West

UNY AF



RECLAMATION

Climate Conditions & Forecasts

Drought Monitor

U.S. Drought Monitor Oregon

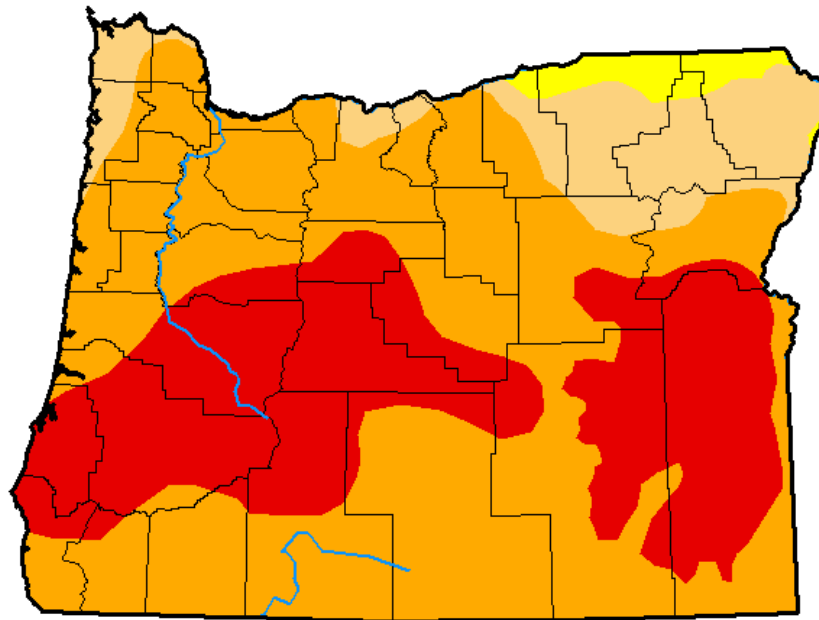
October 2, 2018

(Released Thursday, Oct. 4, 2018)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	2.32	11.22	52.80	33.65	0.00
Last Week <i>09-25-2018</i>	0.00	2.32	9.87	56.19	31.62	0.00
3 Months Ago <i>07-03-2018</i>	6.08	25.79	50.13	18.01	0.00	0.00
Start of Calendar Year <i>01-02-2018</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>09-25-2018</i>	0.00	2.32	9.87	56.19	31.62	0.00
One Year Ago <i>10-03-2017</i>	39.23	32.20	28.57	0.00	0.00	0.00



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.

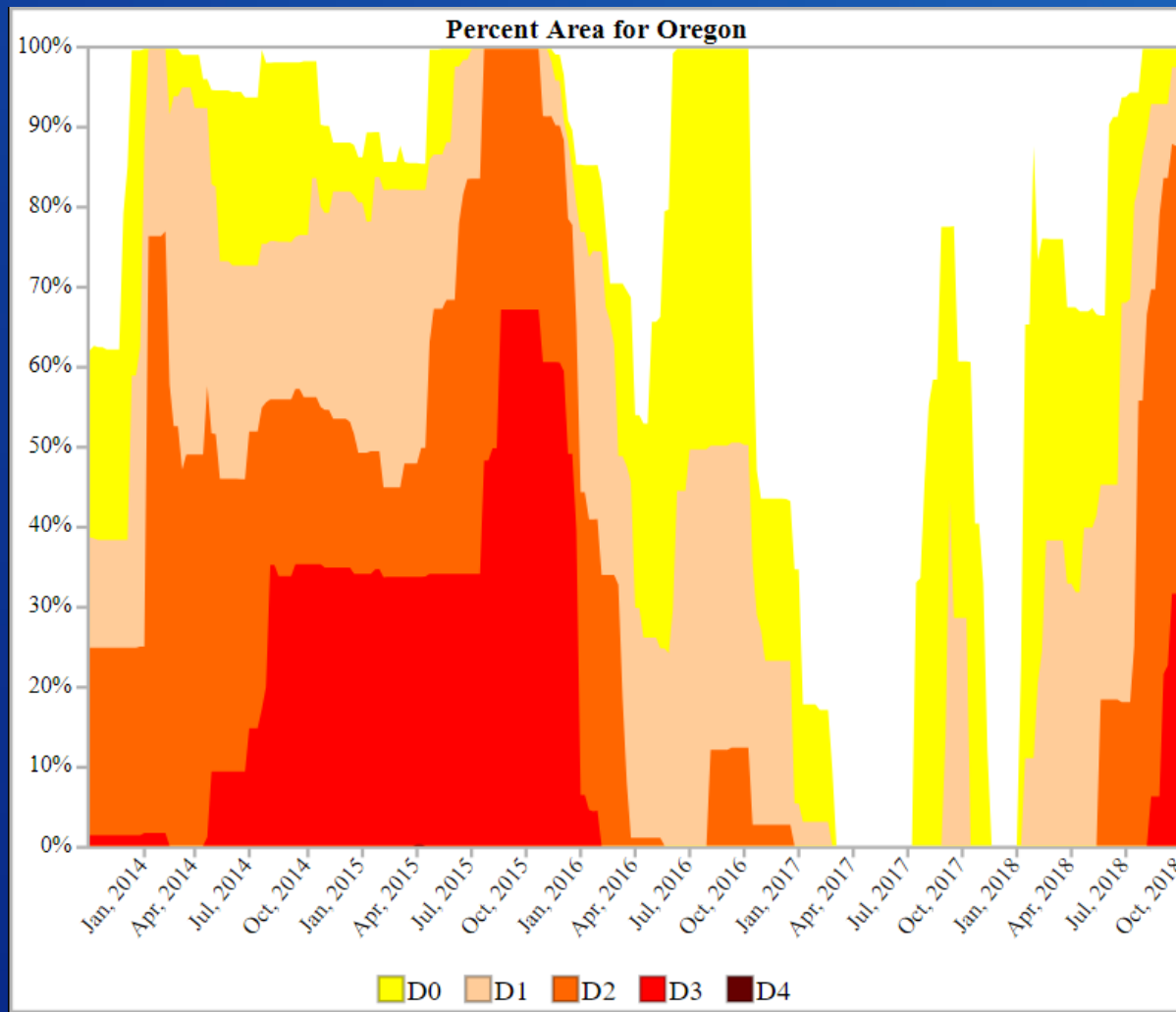
Author:

David Miskus
NOAA/NWS/NCEP/CPC

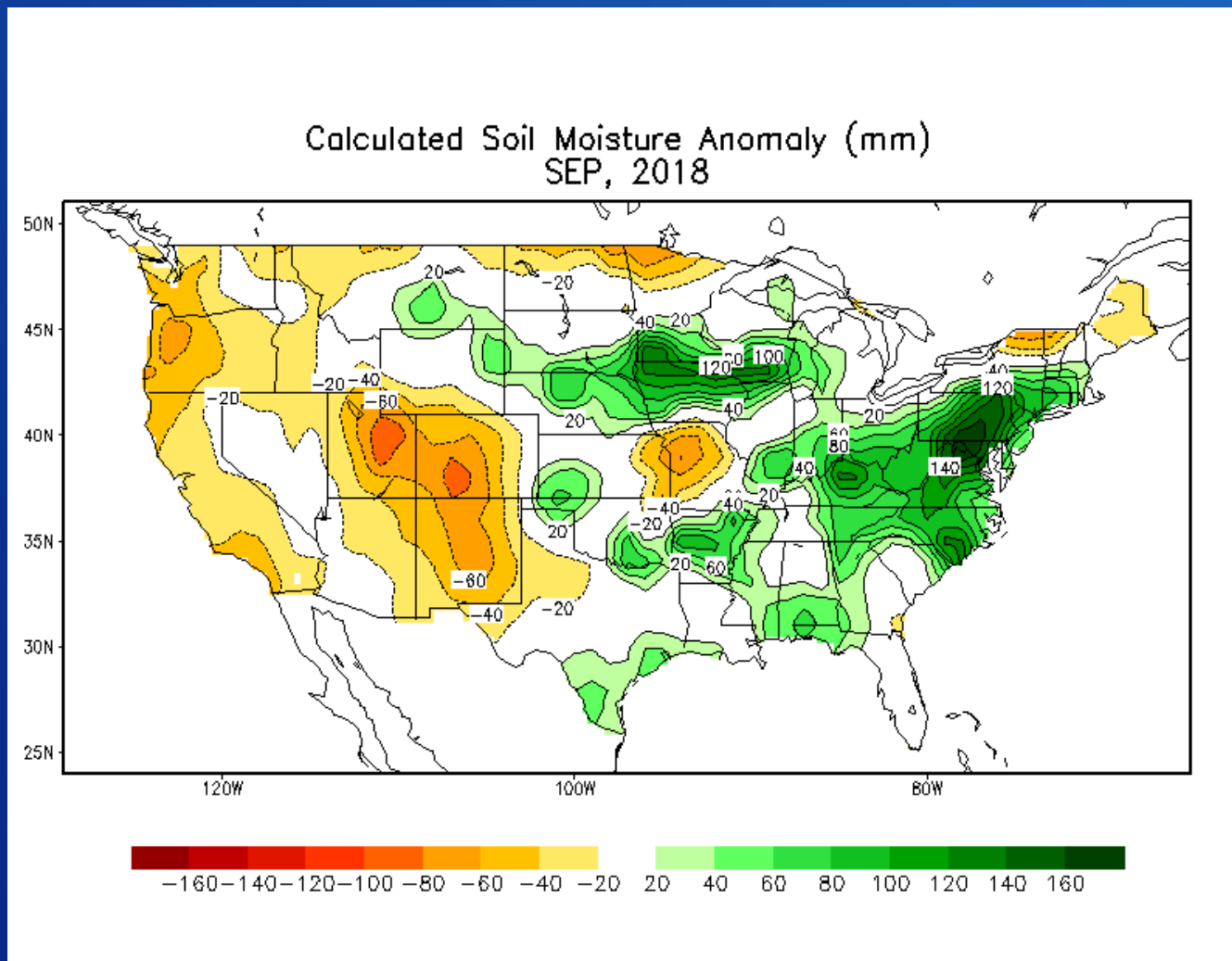


<http://droughtmonitor.unl.edu/>

Past Drought Conditions

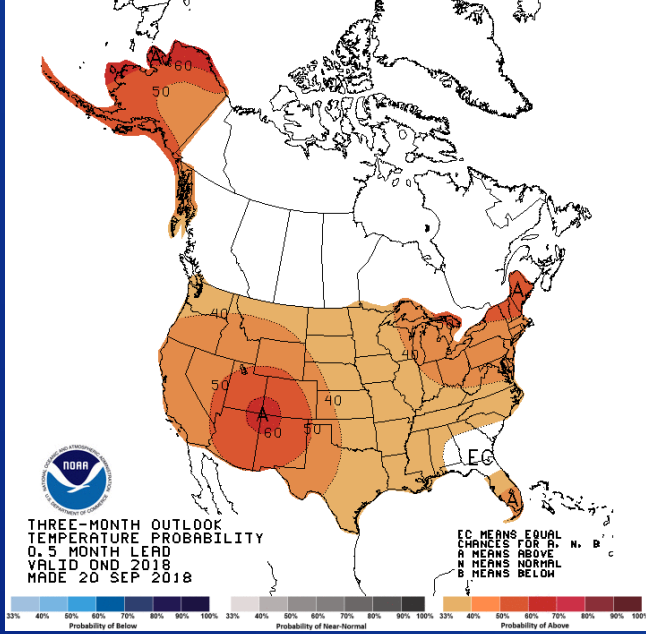


Soil Conditions

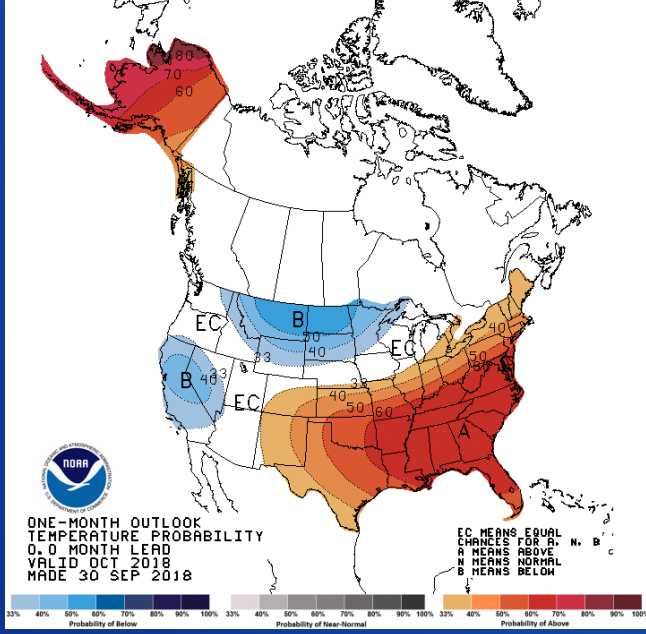


Temperature Forecast

3-Month Outlook

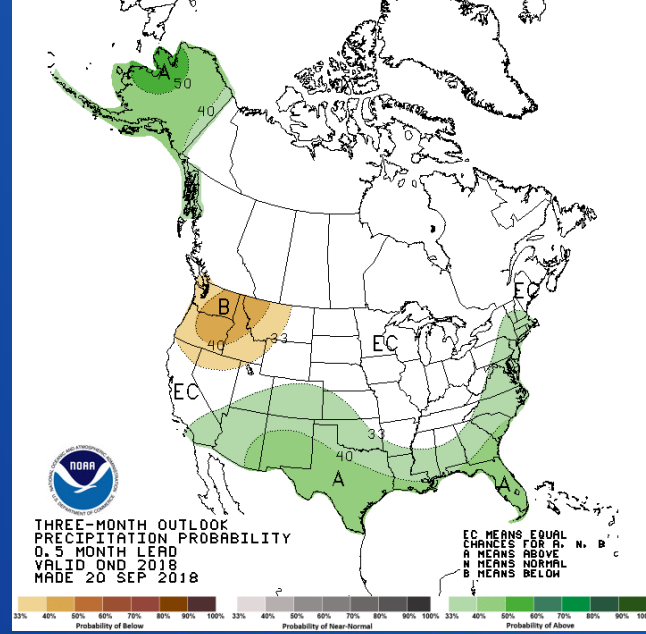


1-Month Outlook

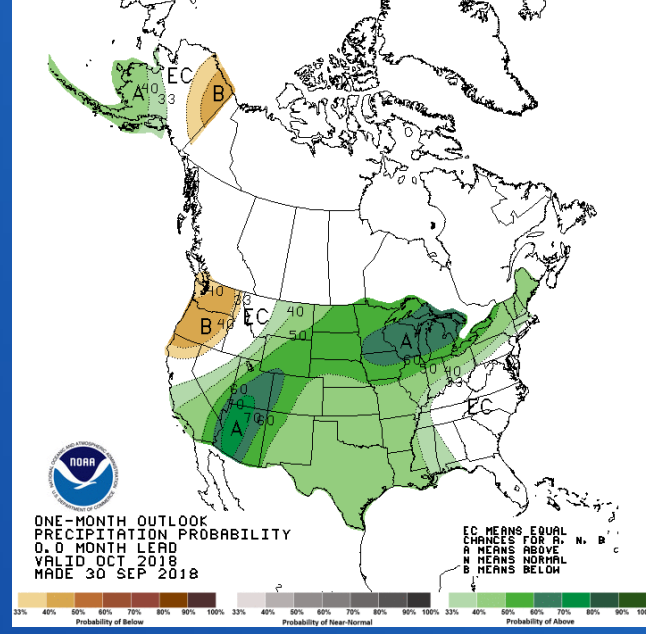


Precipitation Forecast

3-Month Outlook



1-Month Outlook



RECLAMATION

Questions



RECLAMATION