

# Oregon Water Supply Availability Committee - August 7, 2018



H. Scott Oviatt  
Snow Survey Supervisory Hydrologist  
USDA Natural Resources Conservation Service  
[Scott.Oviatt@or.usda.gov](mailto:Scott.Oviatt@or.usda.gov)  
503-414-3271  
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/snow/>

Corral Pass SNOTEL – July 25, 2018  
Burned – September 2017

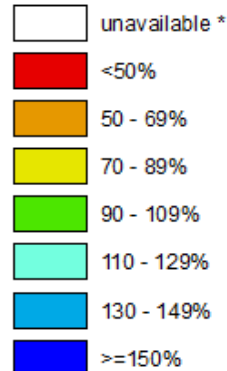
# Statewide SNOTEL Precipitation is 86% of normal

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

Aug 07, 2018

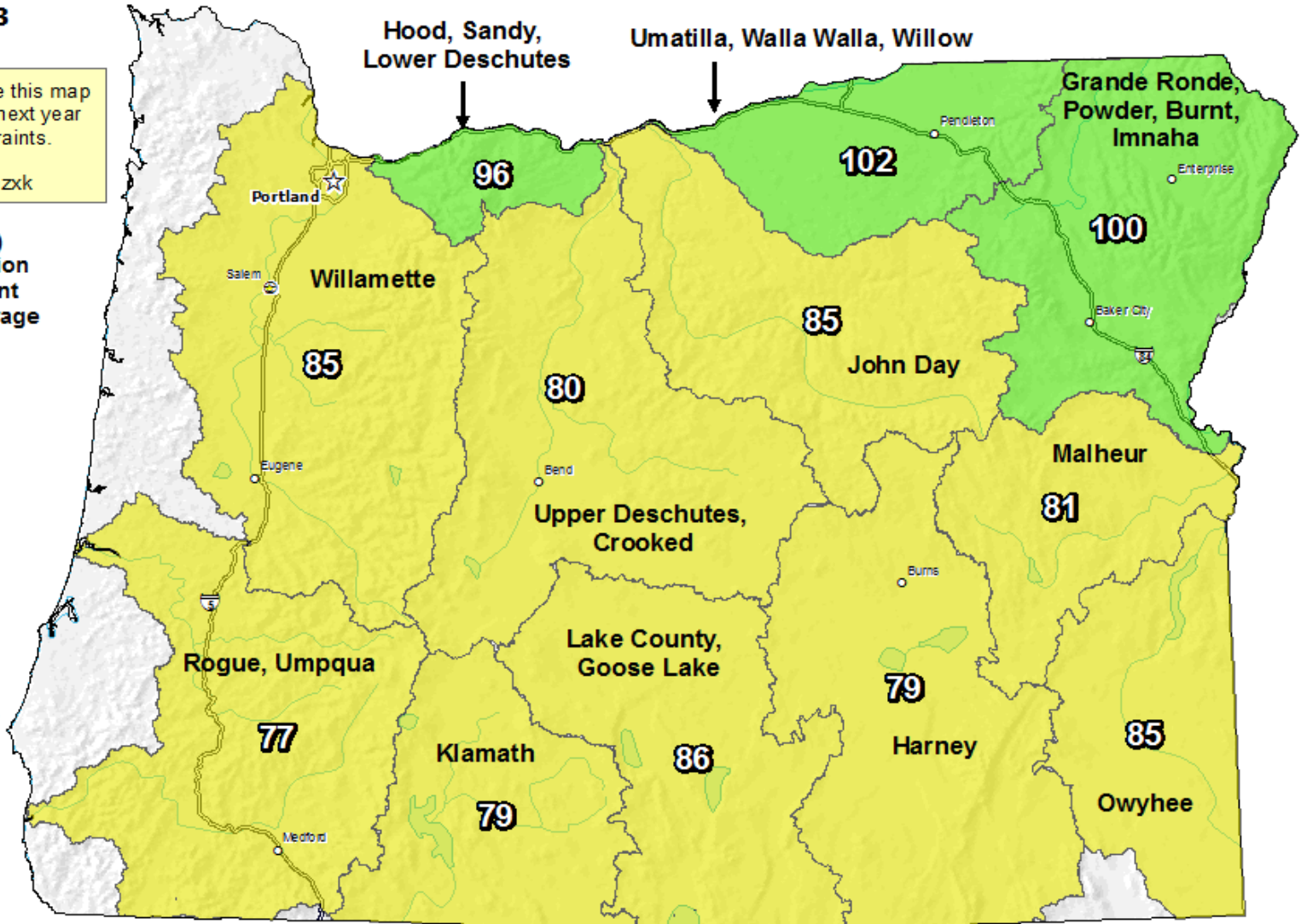
Notice: We anticipate this map will not be available next year due to staffing constraints. Alternate maps: <https://go.usa.gov/xnzxk>

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

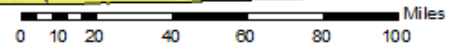


\* Data unavailable at time of posting or measurement is not representative at this time of year

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).



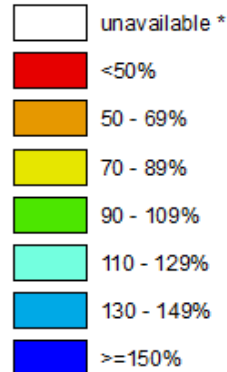
Prepared by:  
USDA/NRCS National Water and Climate Center  
Portland, Oregon  
<http://www.wcc.nrcs.usda.gov>

# Statewide SNOTEL Precipitation was 86% of normal

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

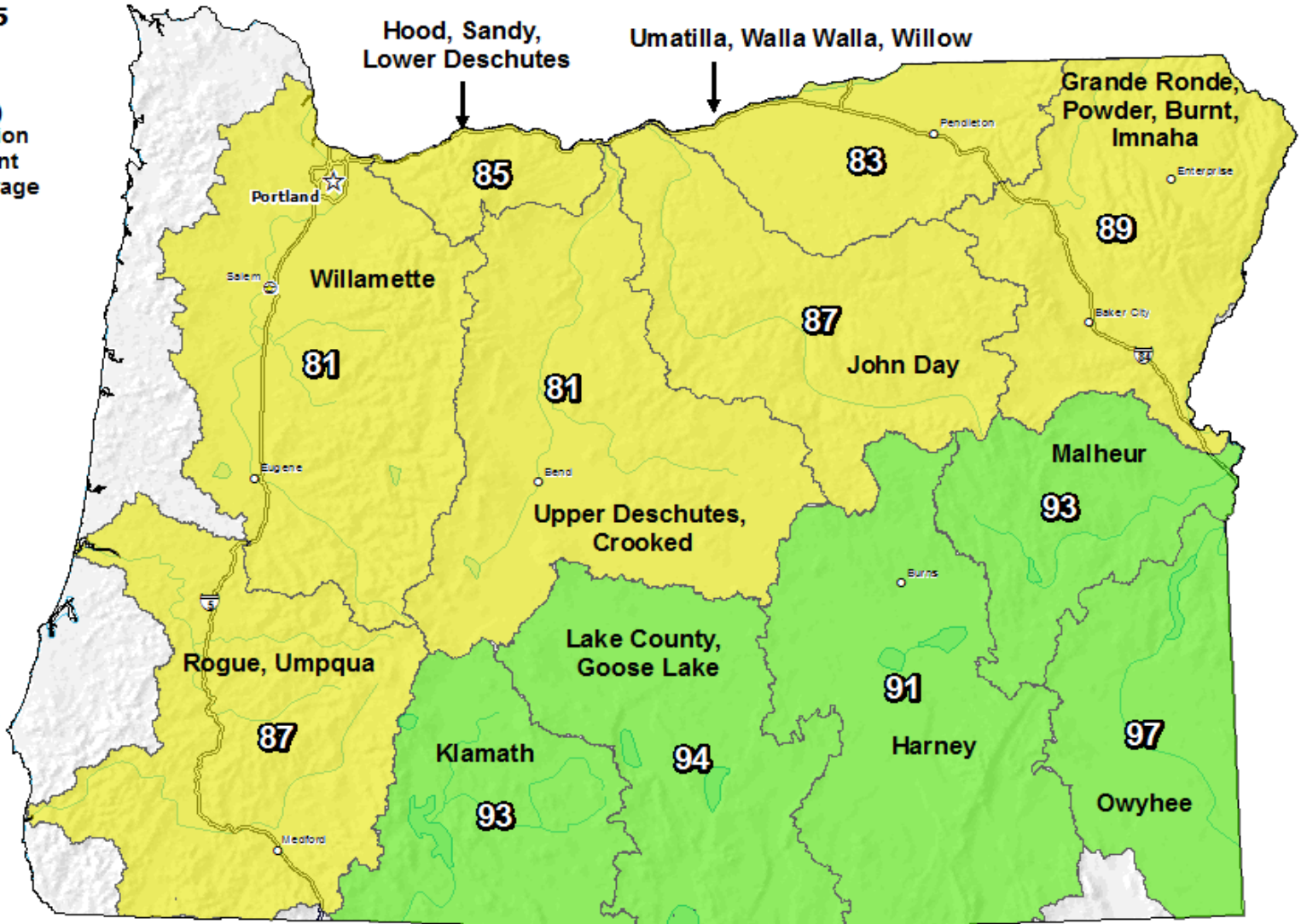
Aug 17, 2015

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

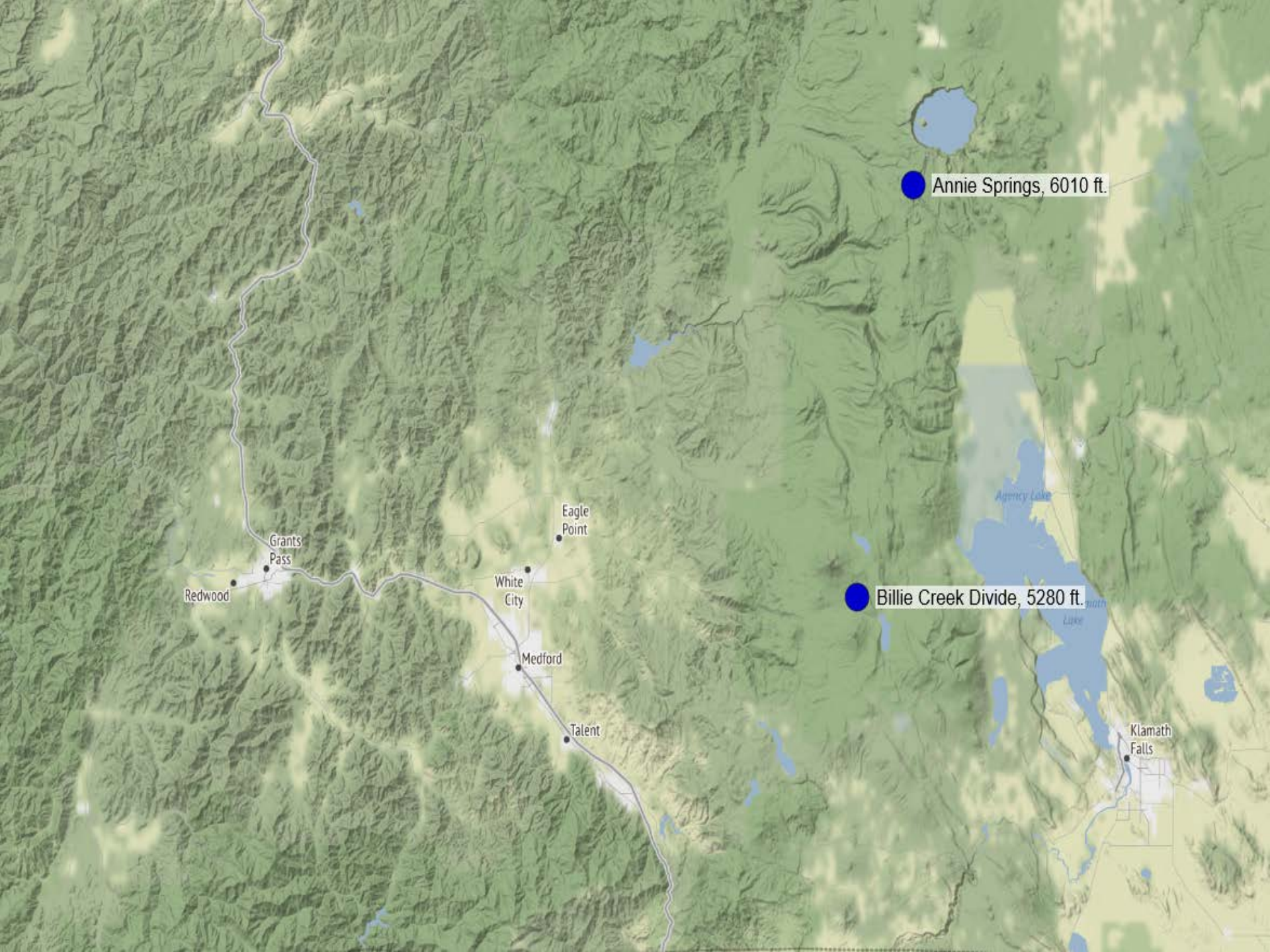
Provisional Data  
Subject to Revision



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>



Annie Springs, 6010 ft.

Billie Creek Divide, 5280 ft.

Redwood

Grants Pass

White City

Eagle Point

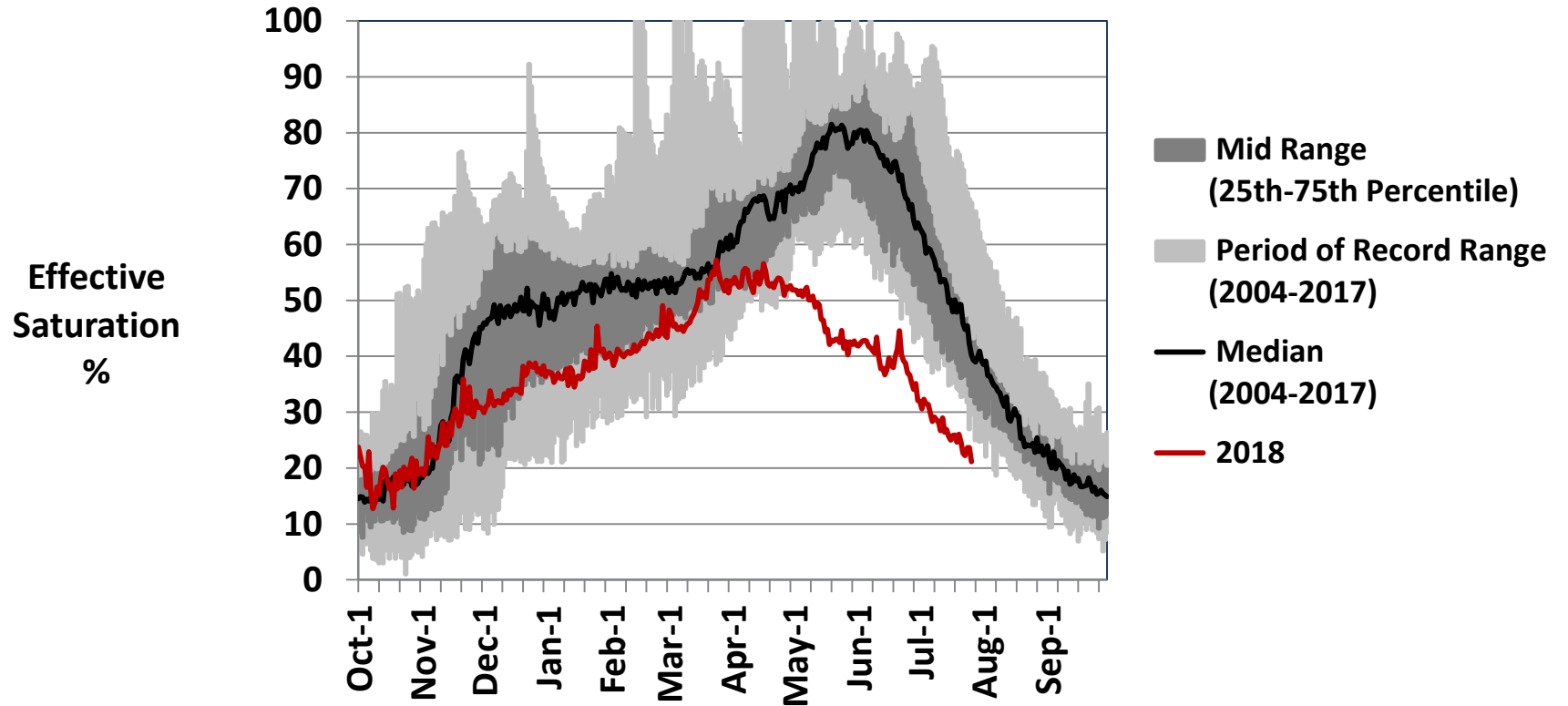
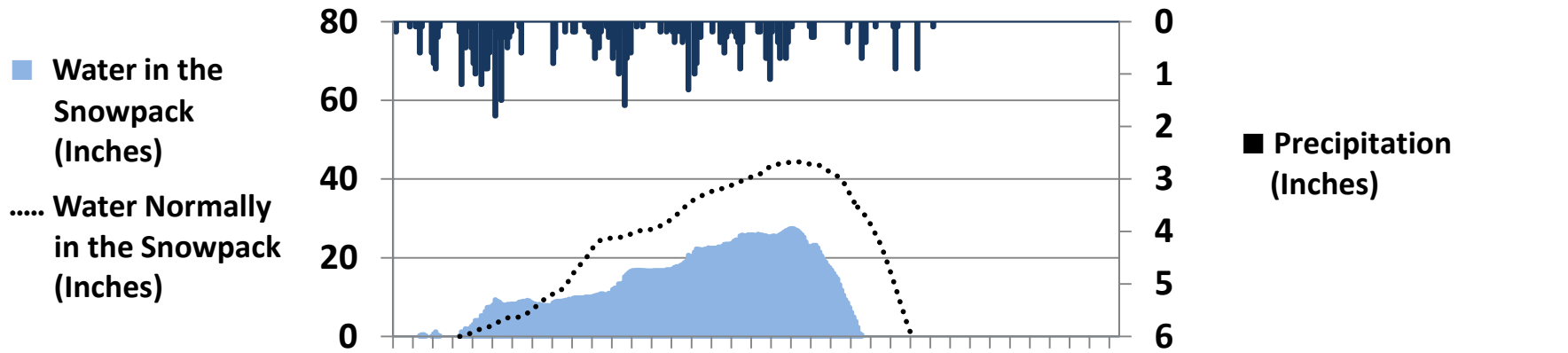
Medford

Talent

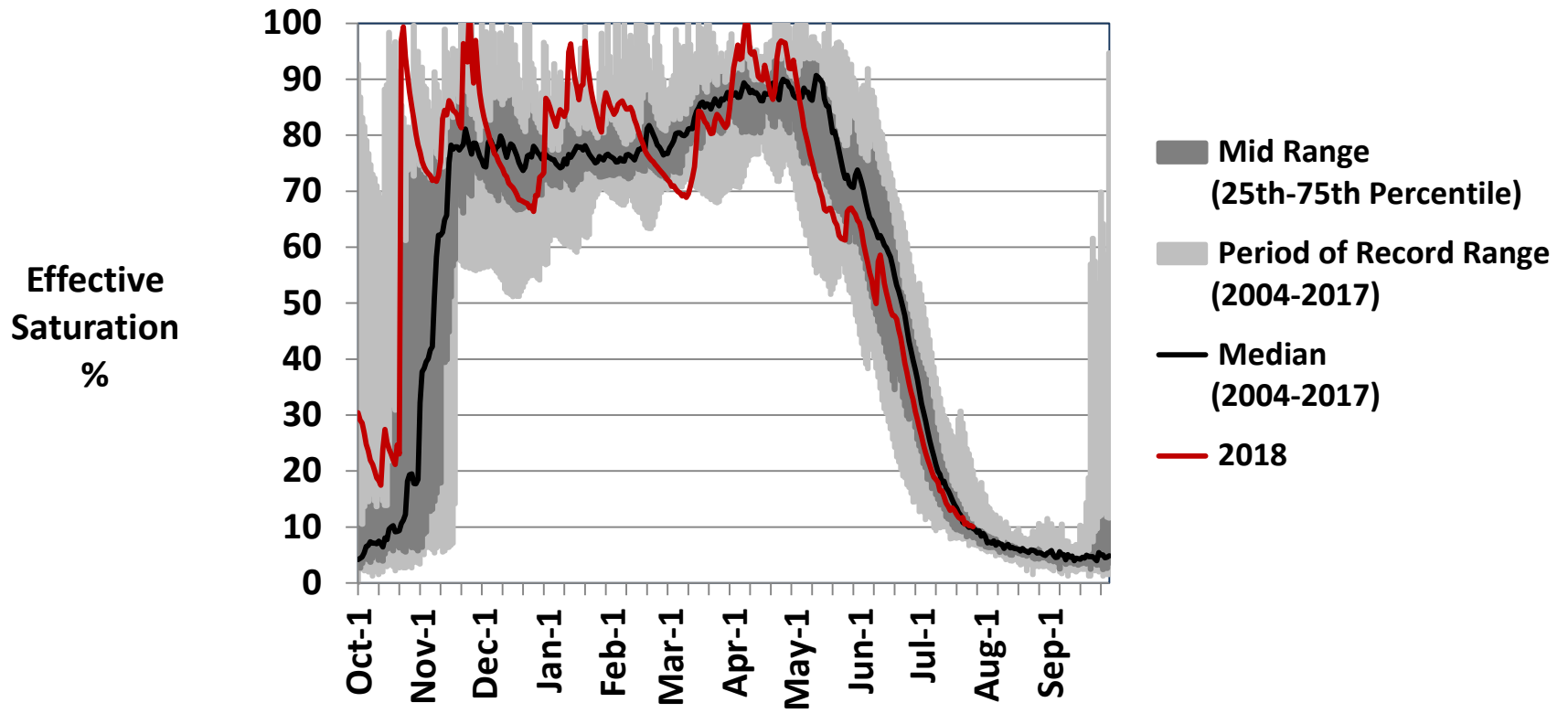
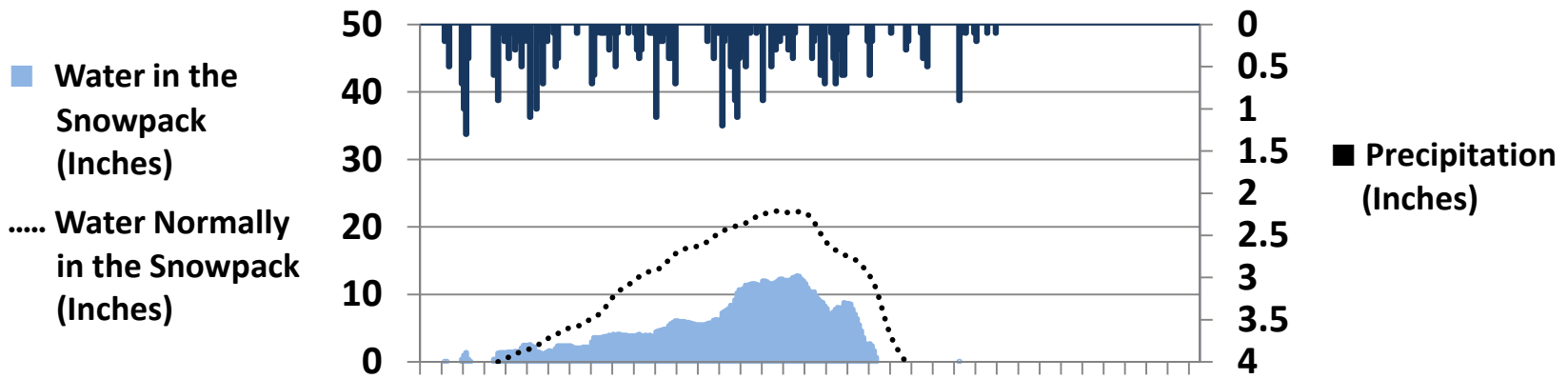
Agency Lake

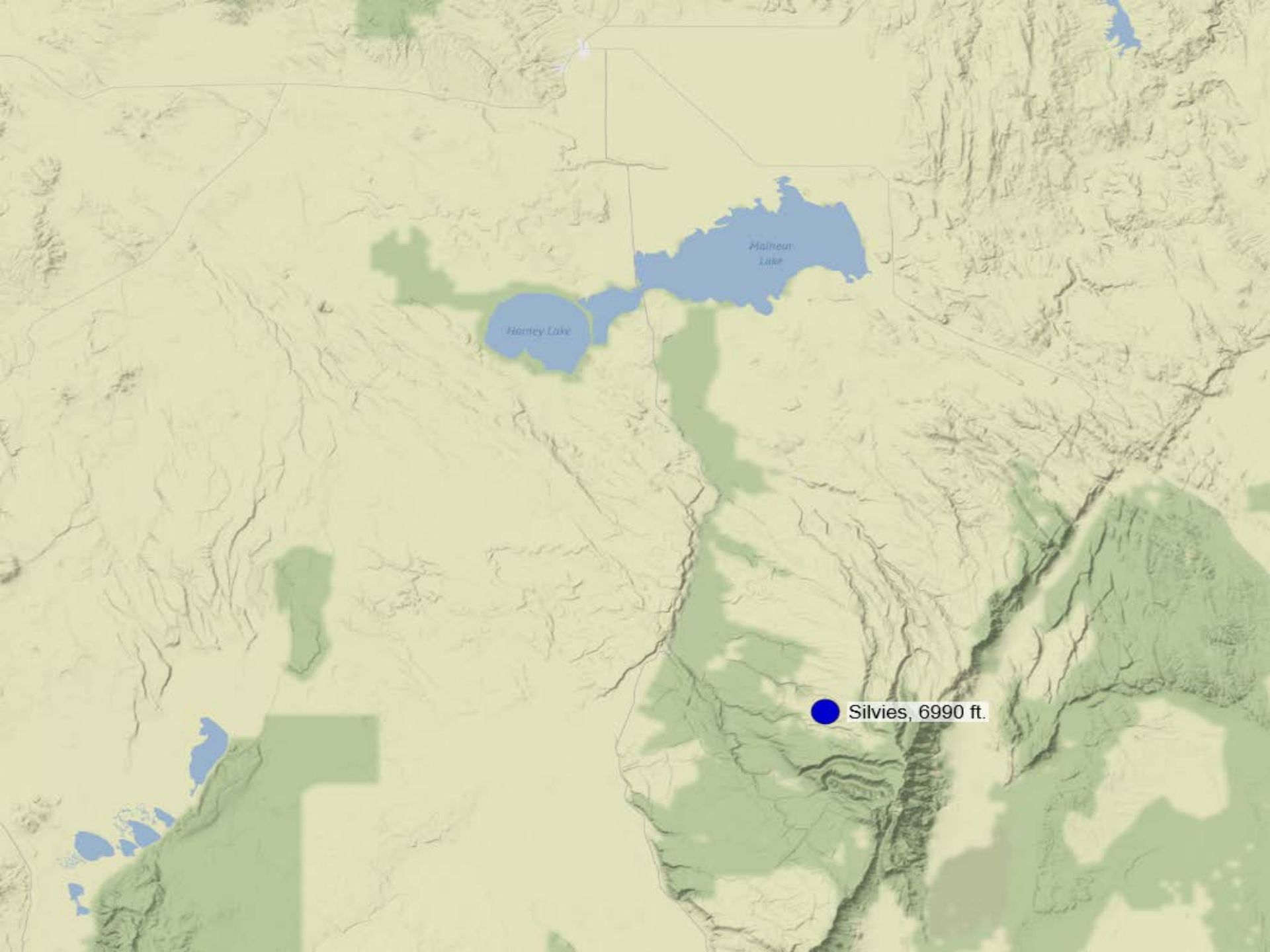
Klamath Falls

# ANNIE SPRINGS



# BILLIE CREEK DIVIDE



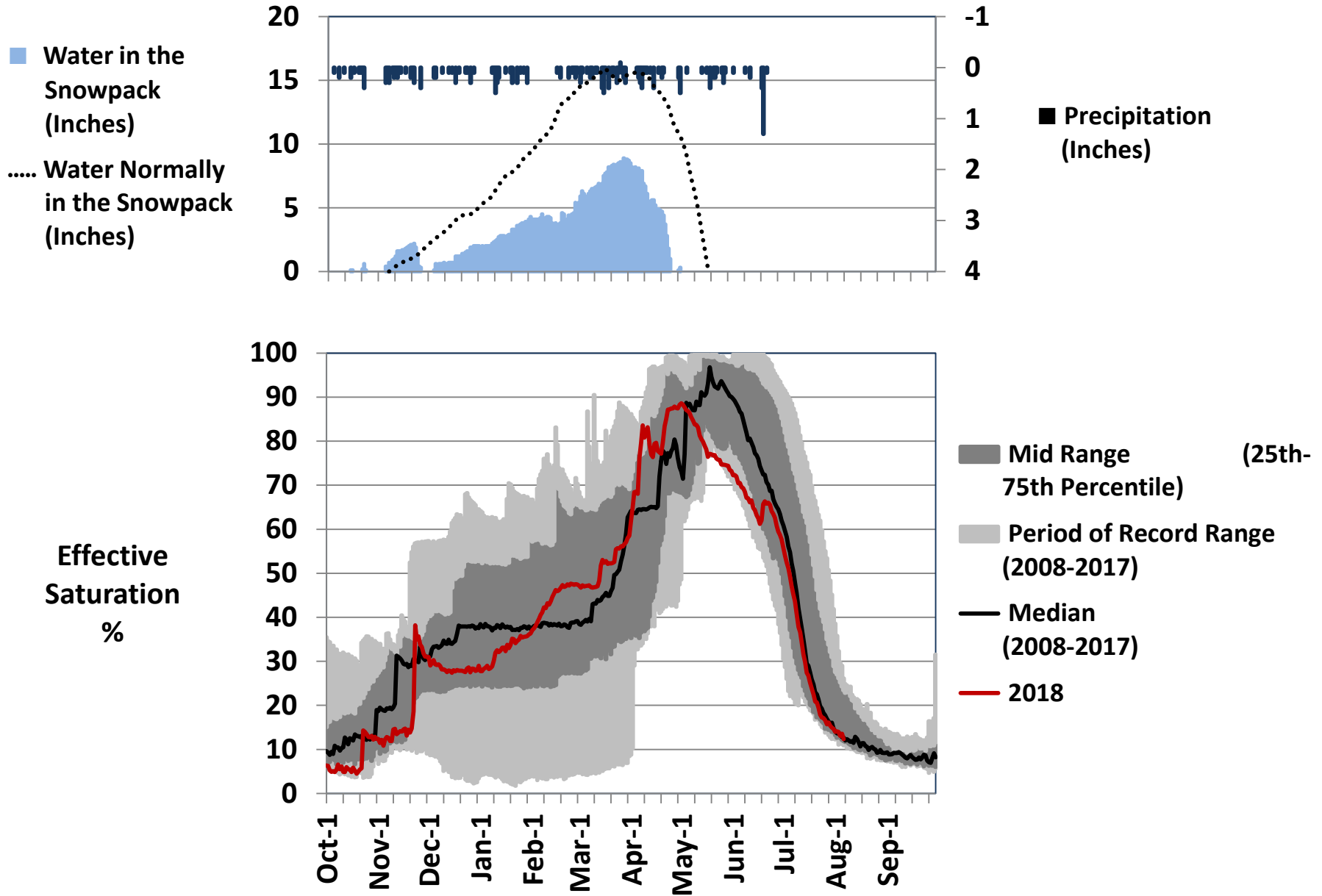


Harney Lake

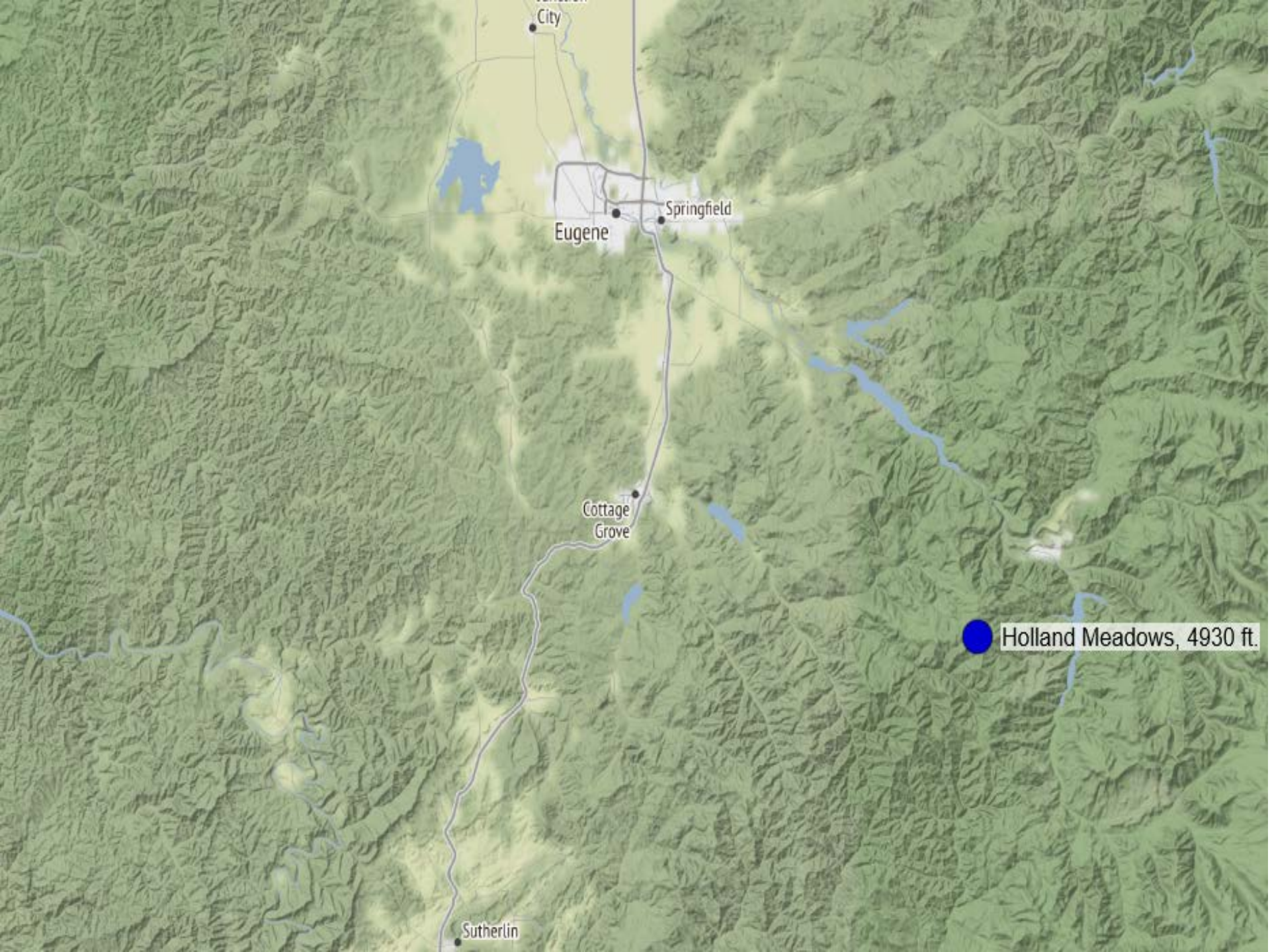
Malheur Lake

● Silvies, 6990 ft.

# SILVIES







City

Eugene

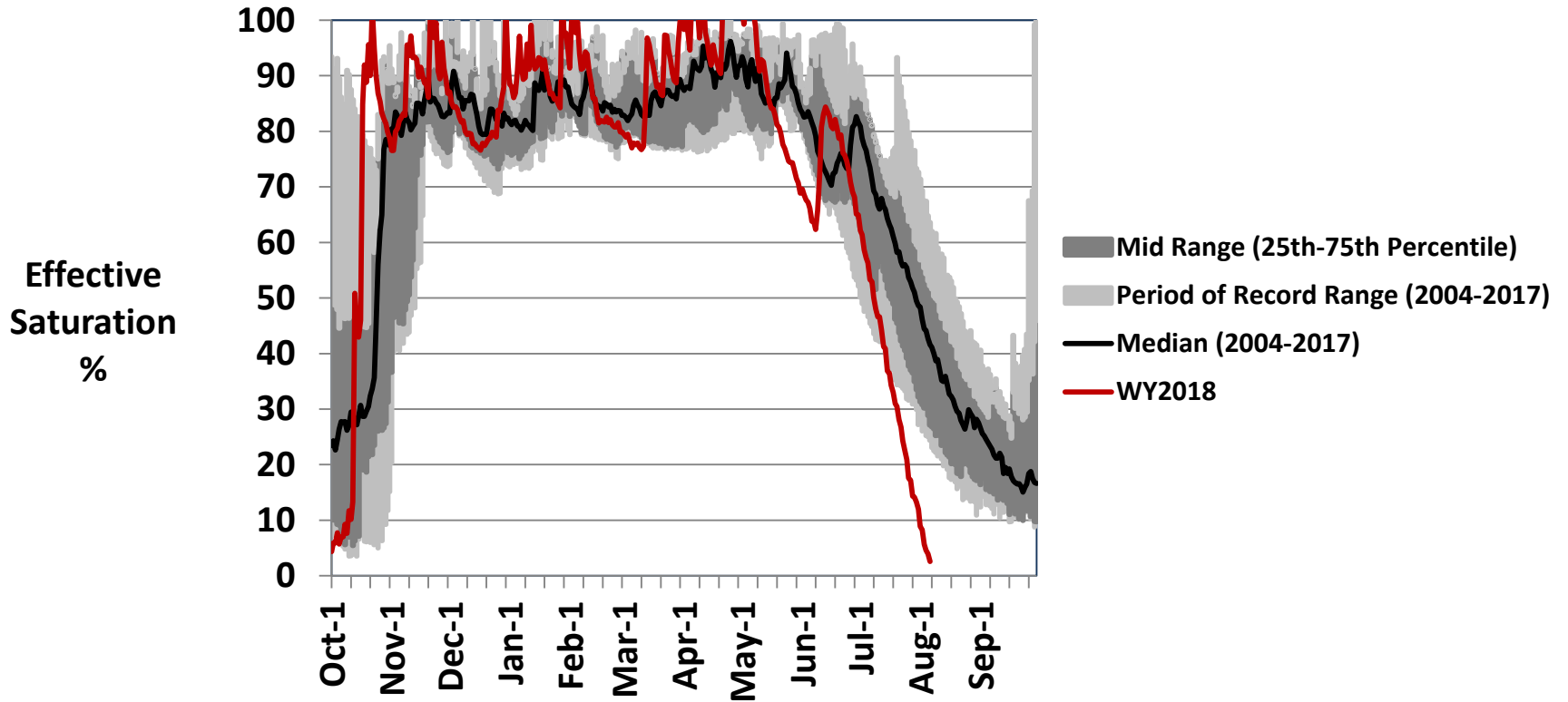
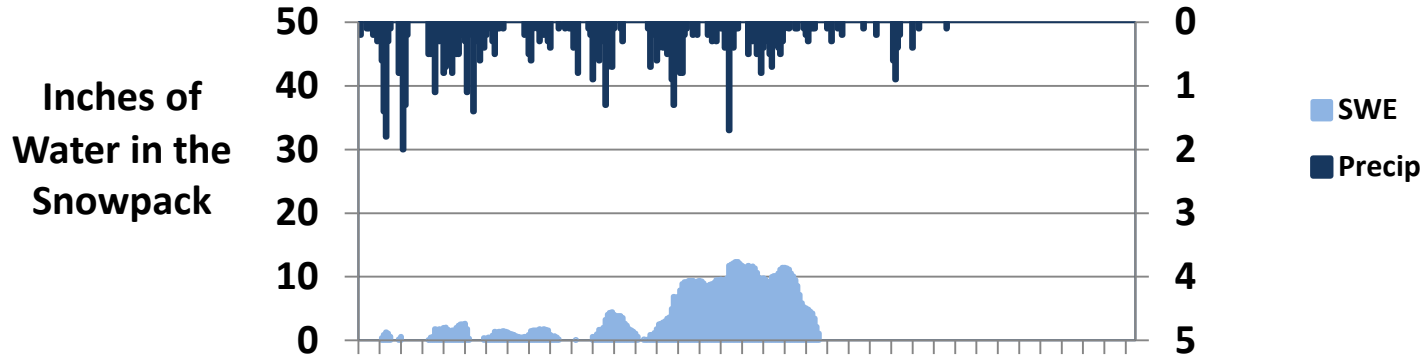
Springfield

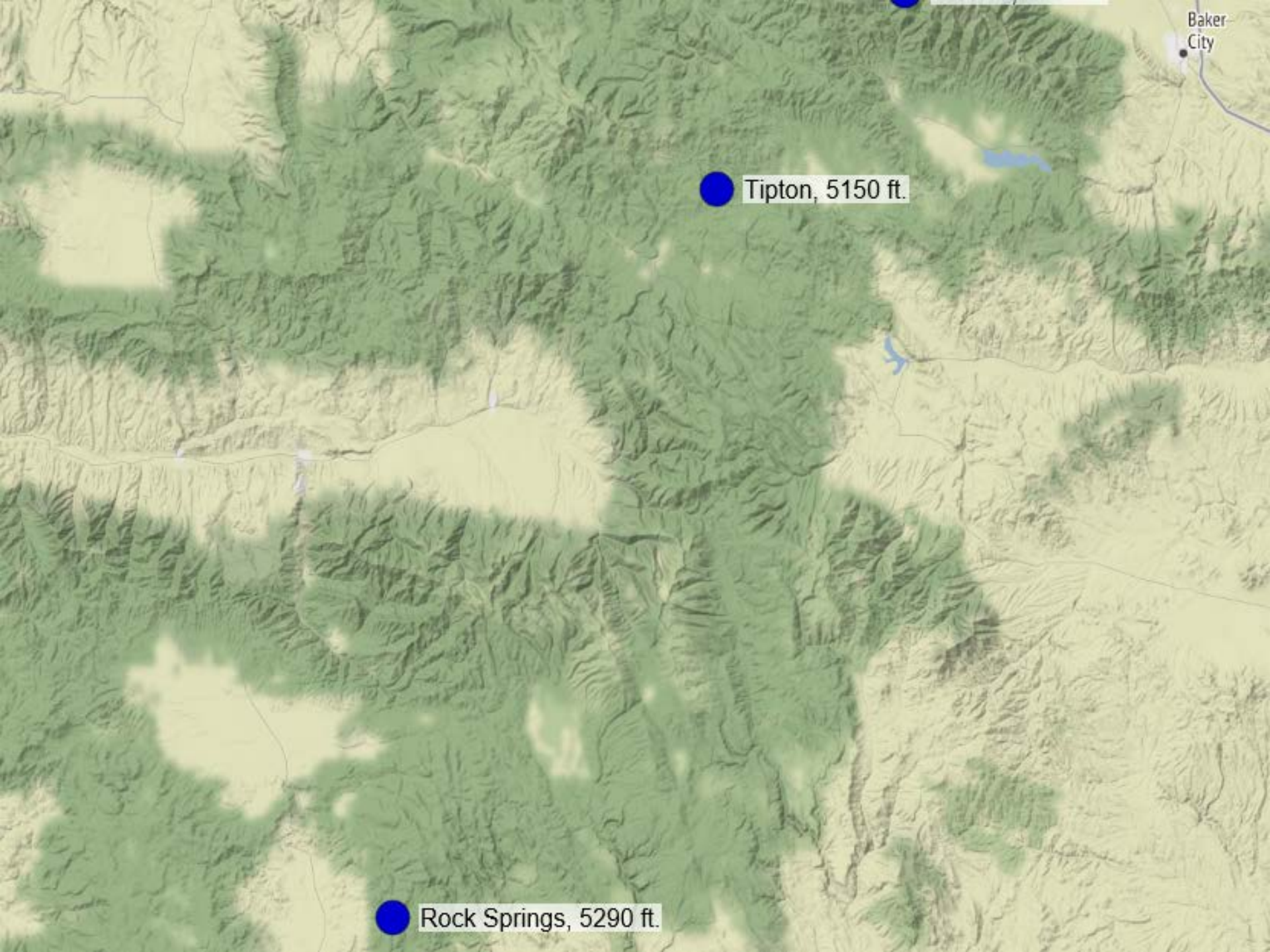
Cottage Grove

Sutherlin

Holland Meadows, 4930 ft.

# HOLLAND MEADOWS



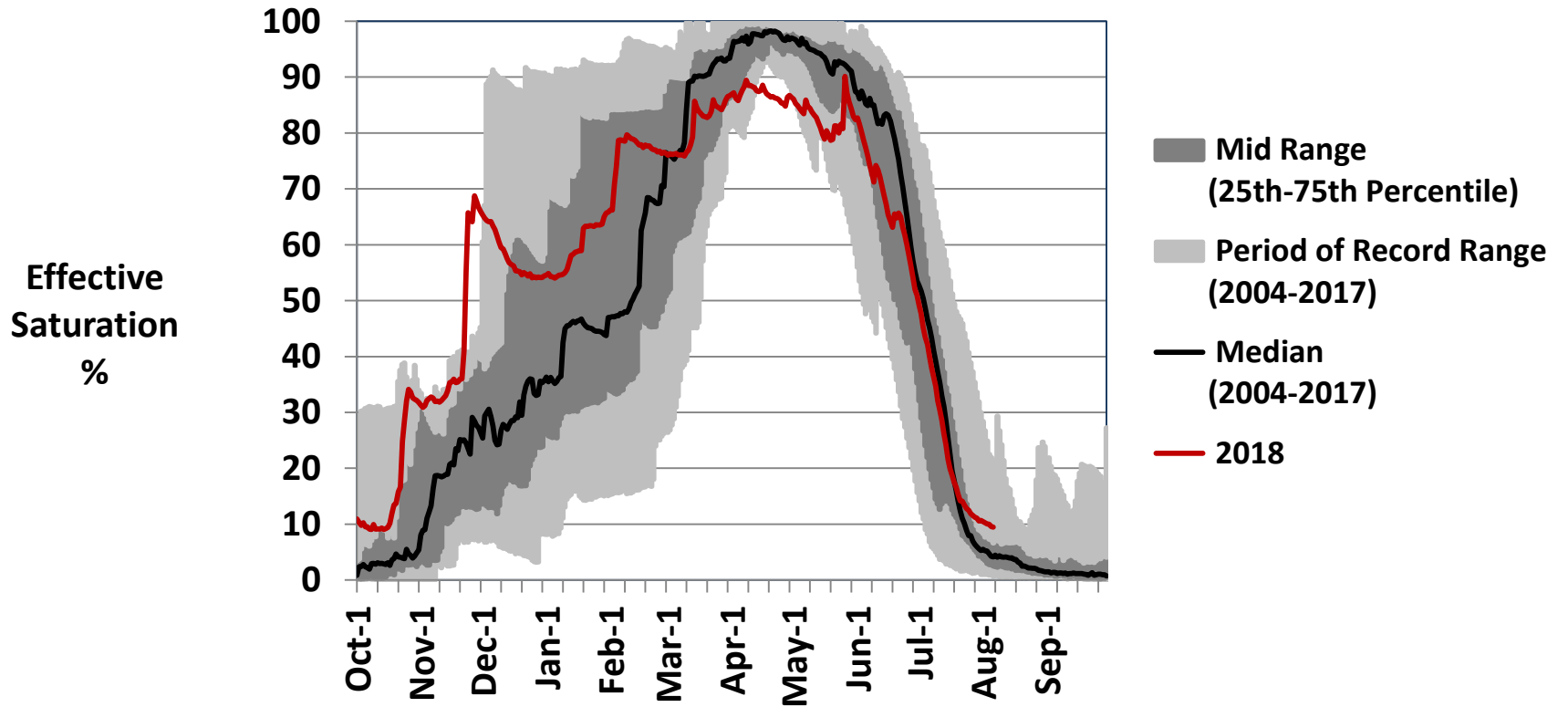
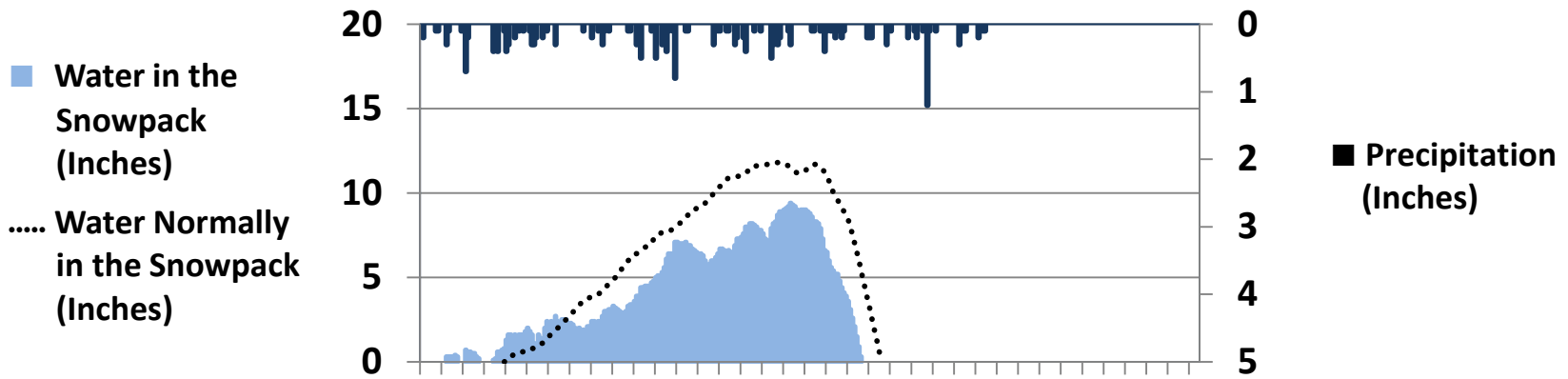


Baker  
City

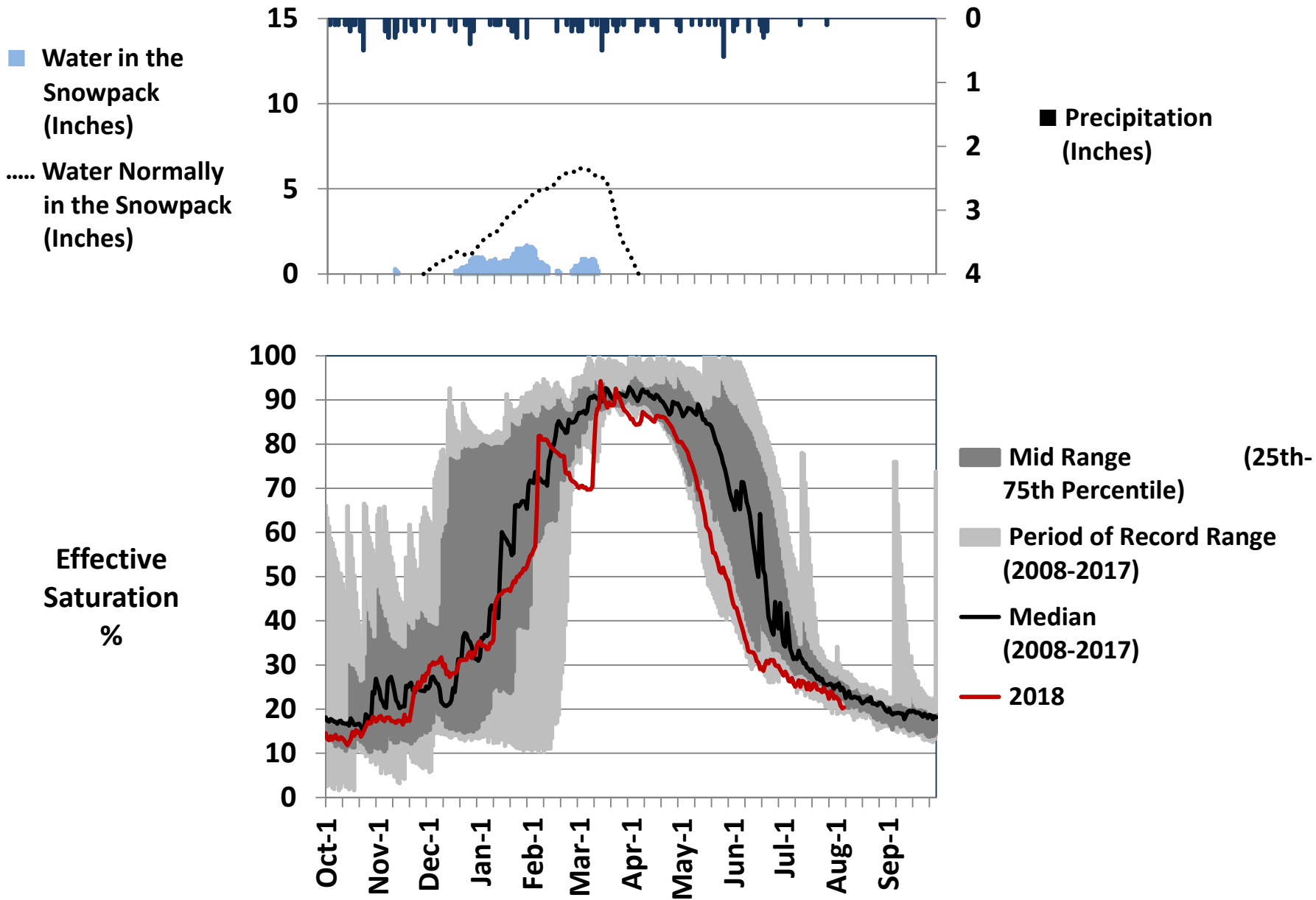
Tipton, 5150 ft.

Rock Springs, 5290 ft.

# TIPTON



# ROCK SPRINGS



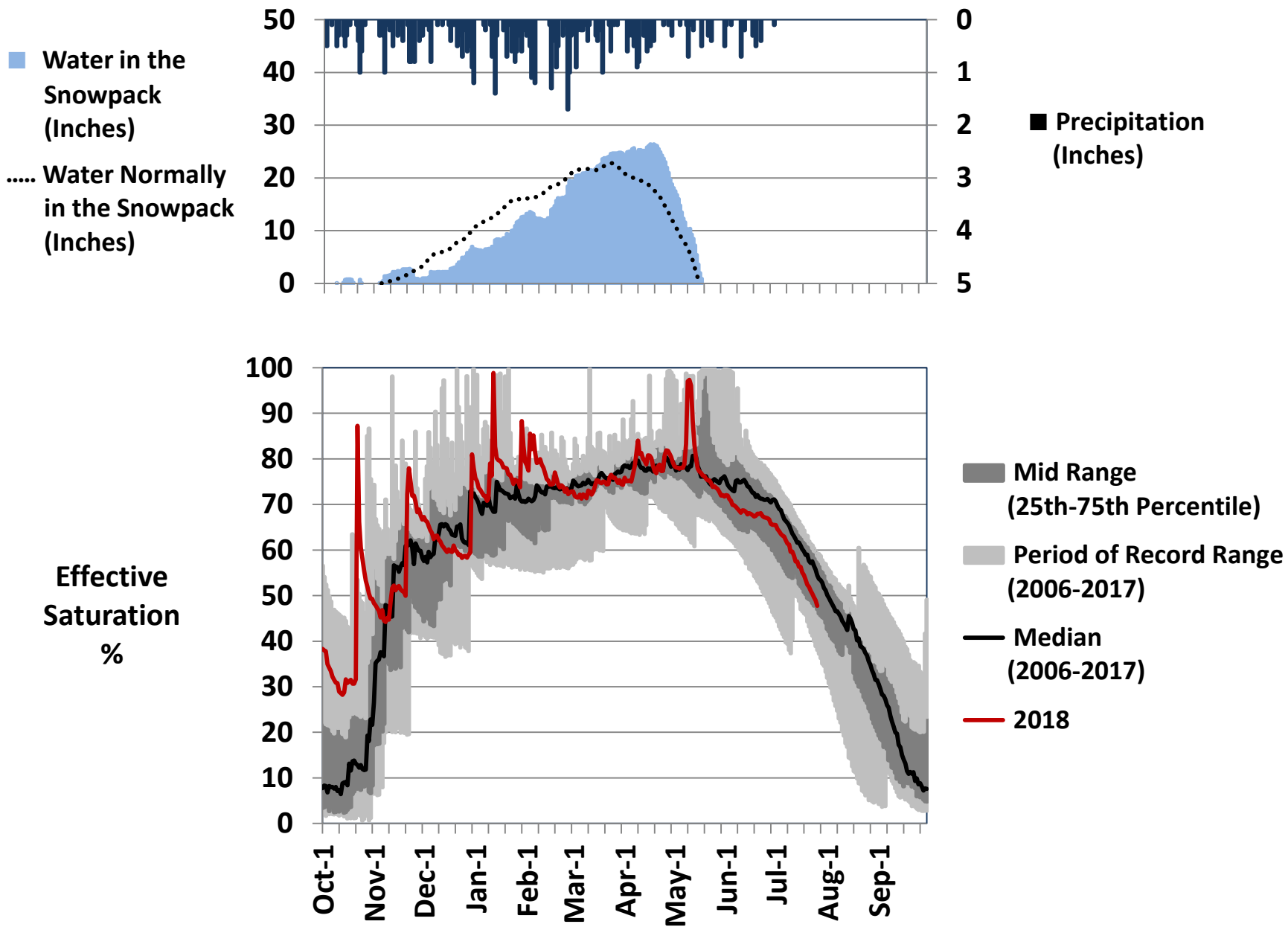
High Ridge, 4920 ft.

La Grande

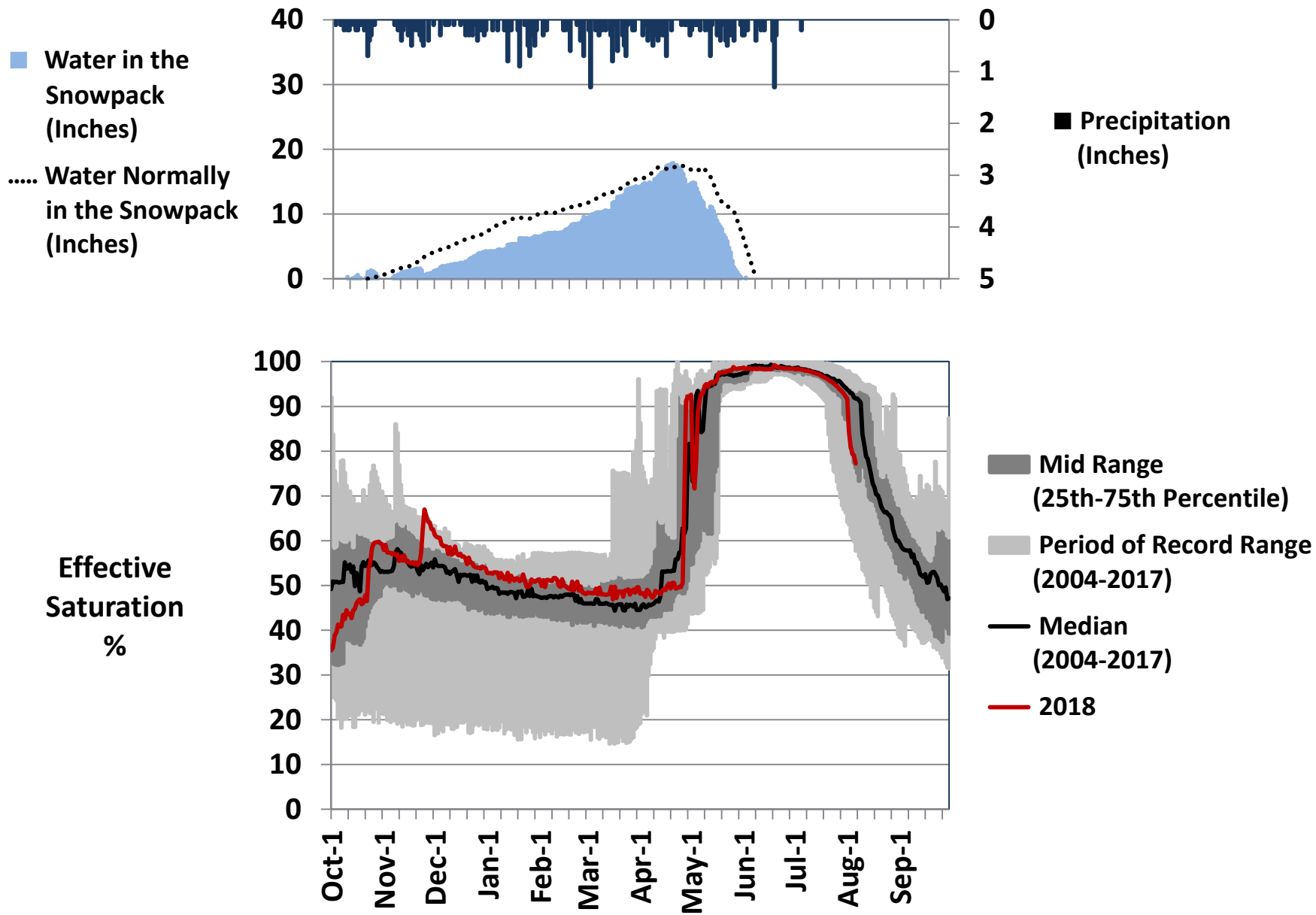
Moss Springs, 5760 ft.

Mt. Howard, 7910 ft.

# HIGH RIDGE



# MOUNT HOWARD





# 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.

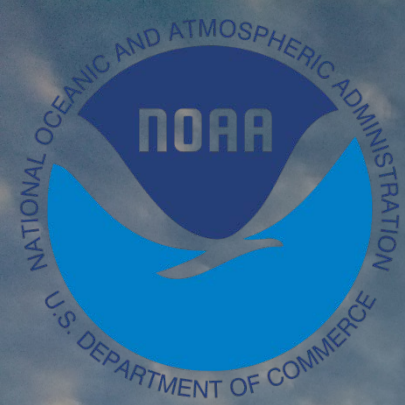
To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint](#) and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the 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](mailto:program.intake@usda.gov).

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Corral Pass SNOTEL – July 25, 2018  
Burned – September 2017

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503-414-3271  
<http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/snow/>



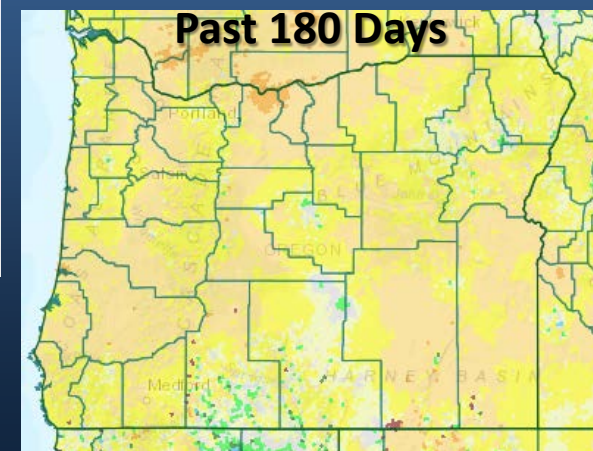
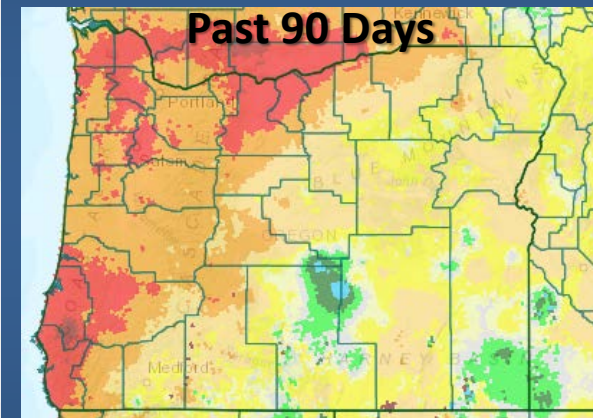
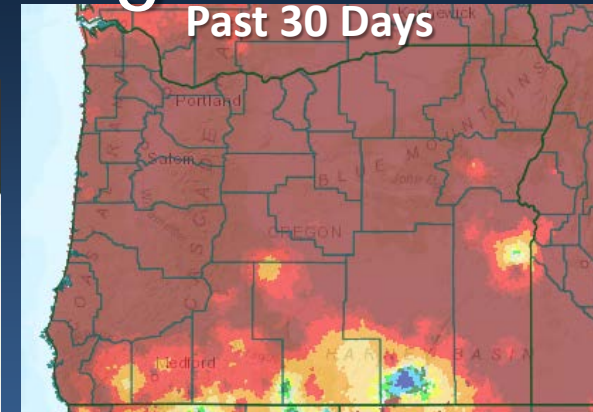
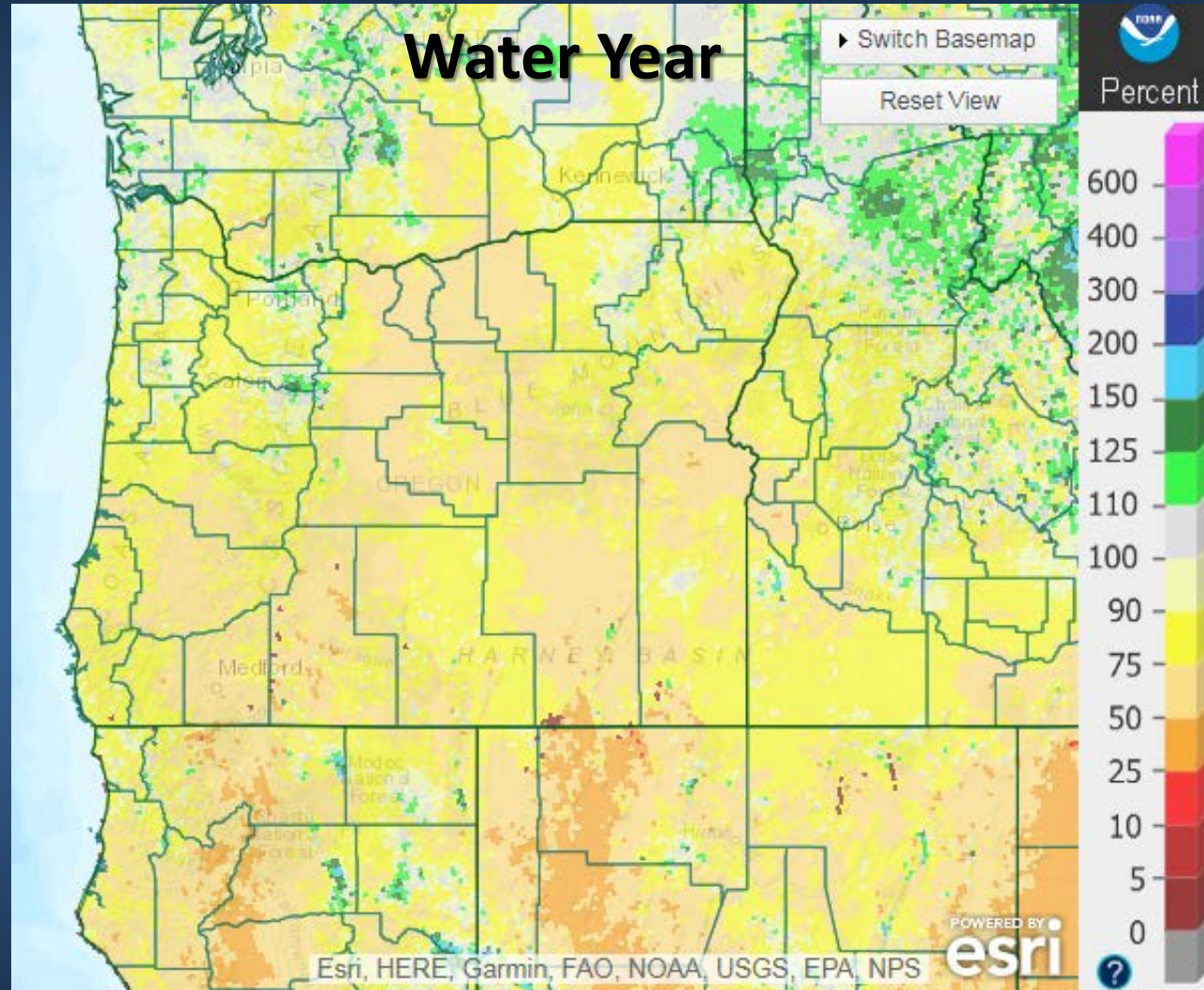
# Oregon Water Supply Availability

*August 7, 2018 National Weather Service Update*

Andy Bryant, NWS Portland



# Precipitation % of Average



*Precipitation Data as of August 6<sup>th</sup>, 2018*

Source: [water.weather.gov/precip/index.php?location\\_type=wfo&location\\_name=pqr](http://water.weather.gov/precip/index.php?location_type=wfo&location_name=pqr)



# Recent Temperatures

## June 2018

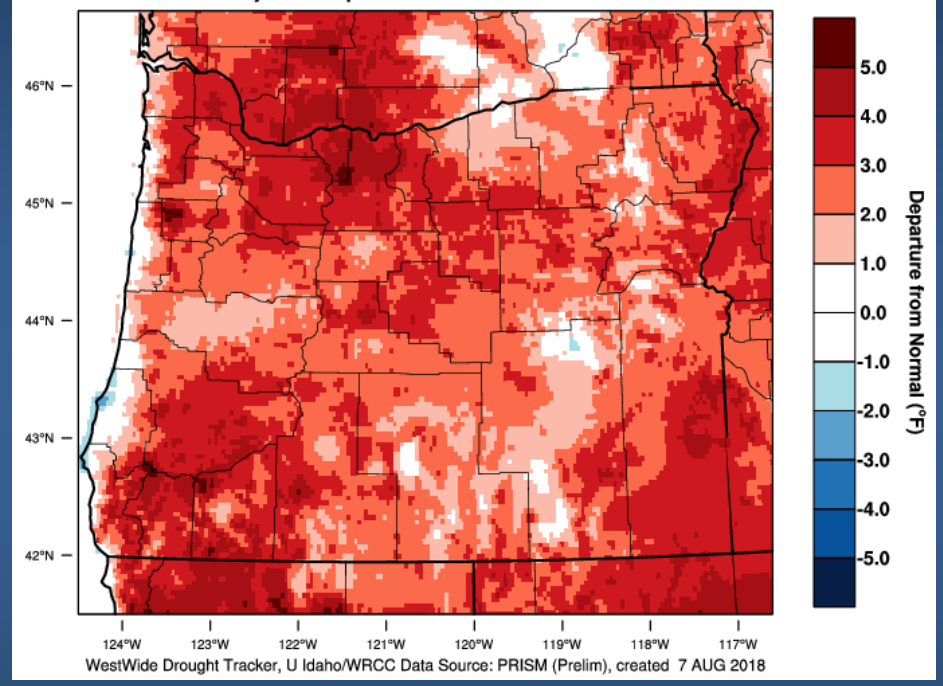
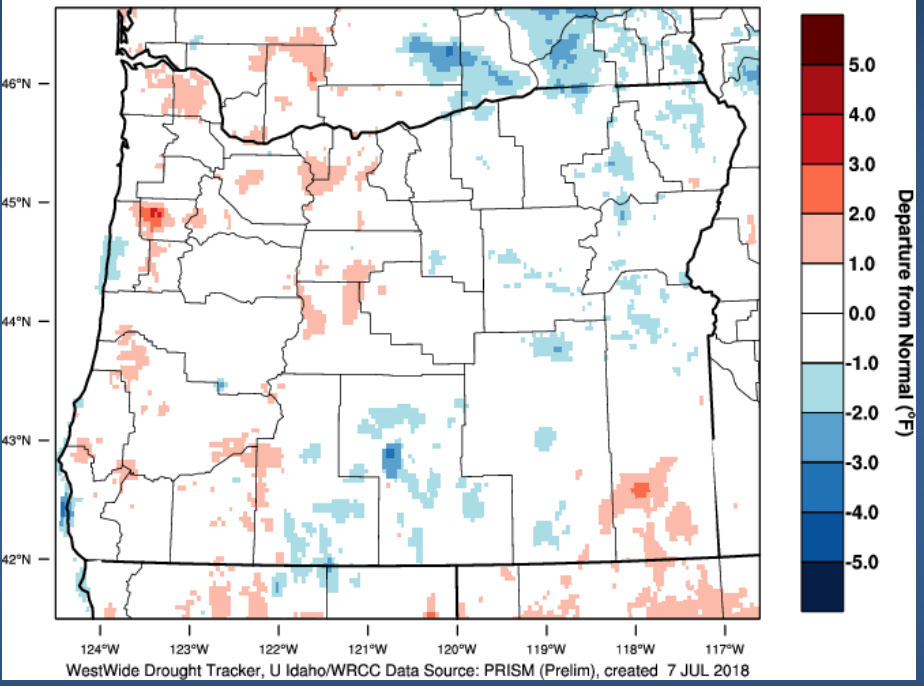
## July 2018

Oregon - Mean Temperature

Oregon - Mean Temperature

June 2018 Departure from 1981-2010 Normal

July 2018 Departure from 1981-2010 Normal

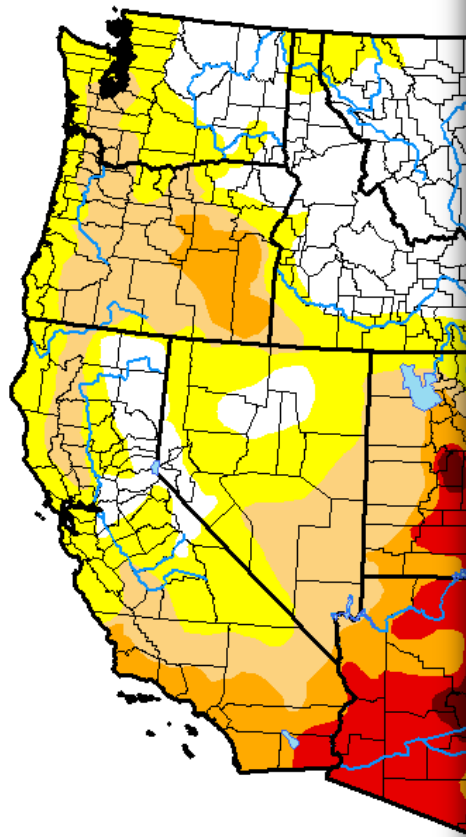




# Drought Monitor

U.S. Drought Monitor  
**West**

July 3, 2018

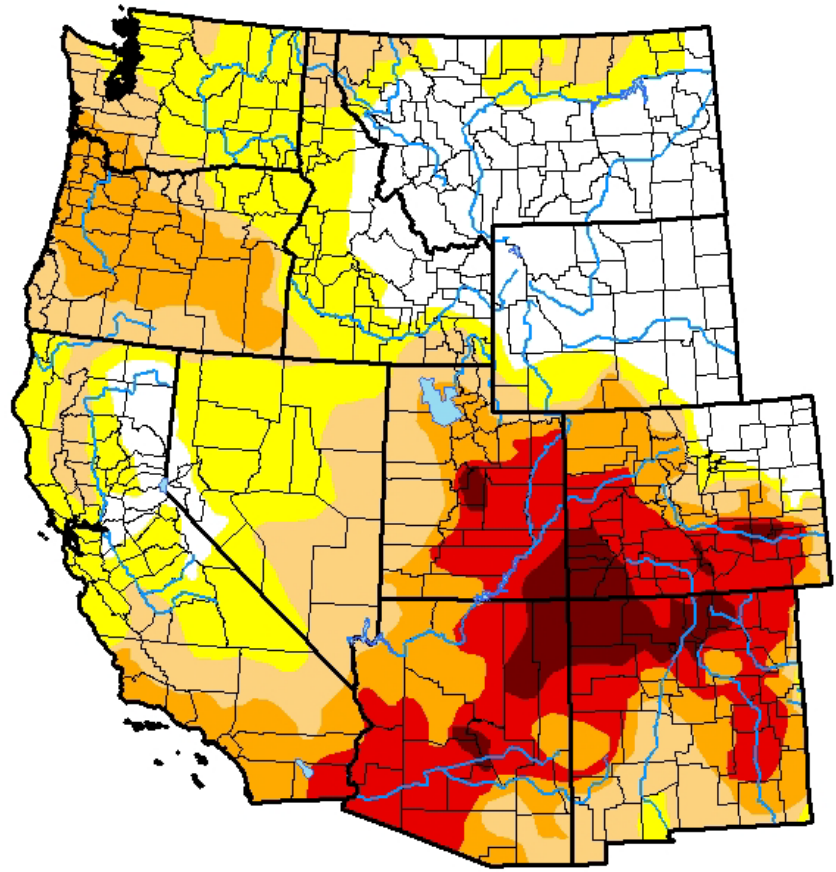


U.S. Drought Monitor  
**West**






July 31, 2018

(Released Thursday, Aug. 2, 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:***

Chris Fenimore  
NCEI/NESDIS/NOAA



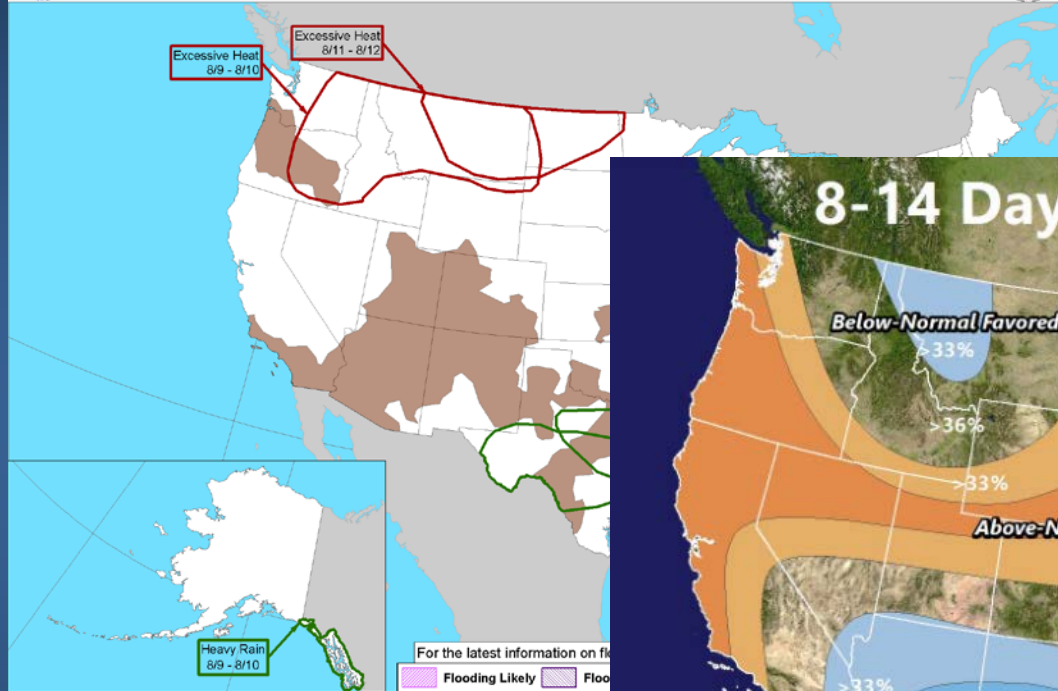
<http://droughtmonitor.unl.edu/>



# Mid/Late-August Outlook

## Forecast Temperatures

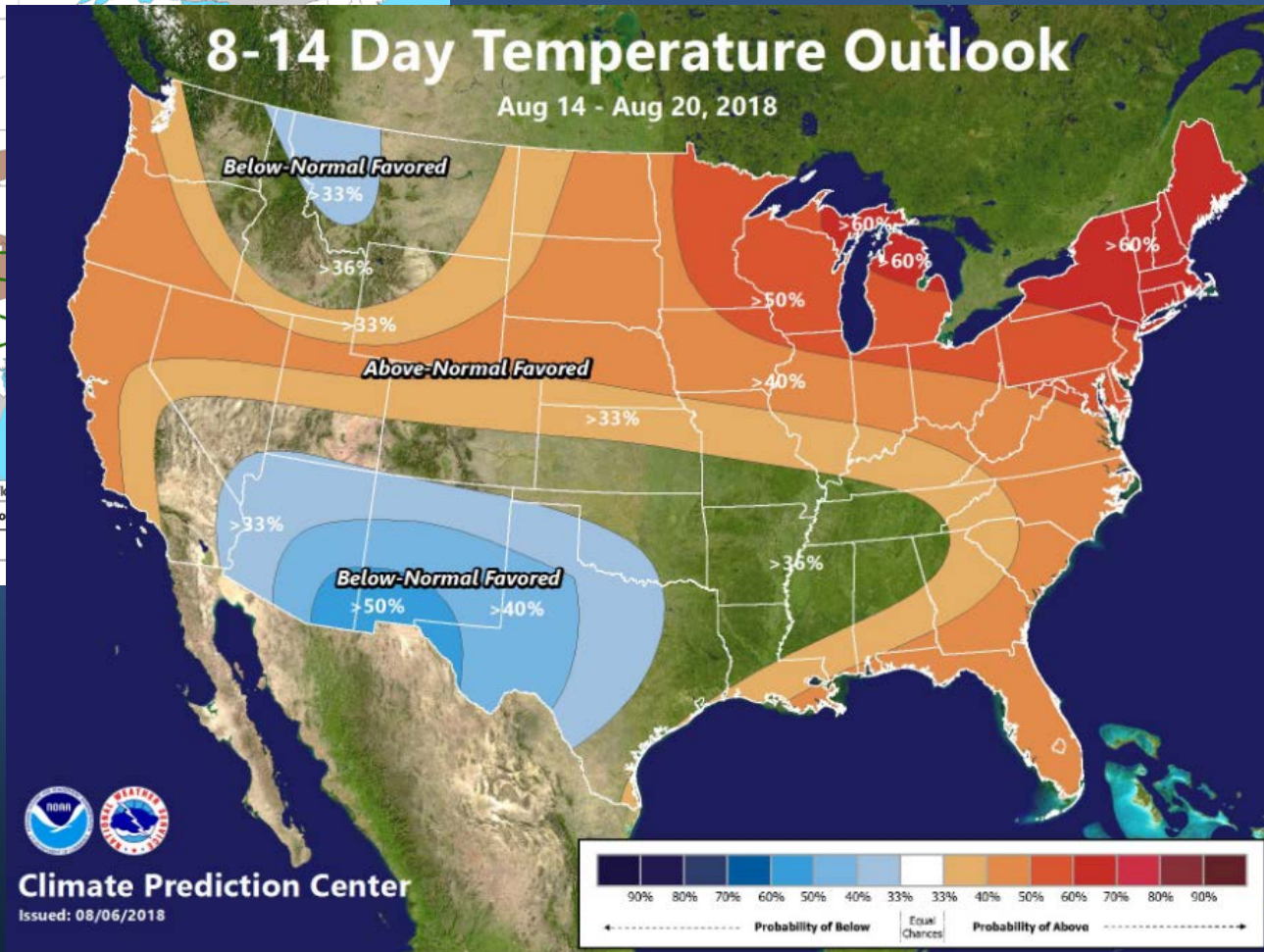
Day 3-7 U.S. Hazards Outlook  
Valid: 08/09/2018-08/13/2018



Climate Prediction Center  
Made: 08/06/2018 3PM EDT

## 8-14 Day Temperature Outlook

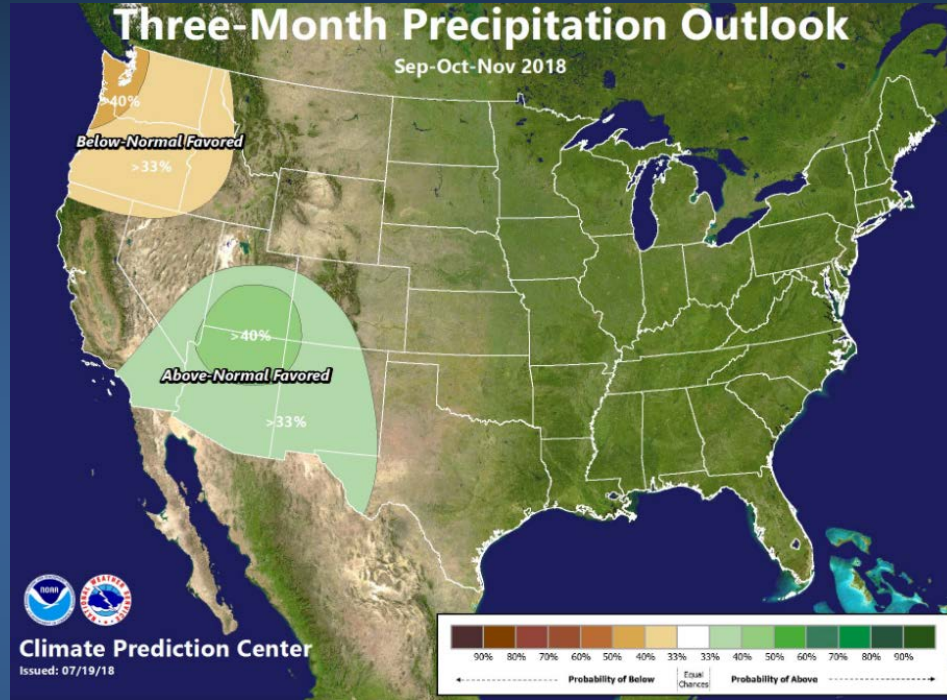
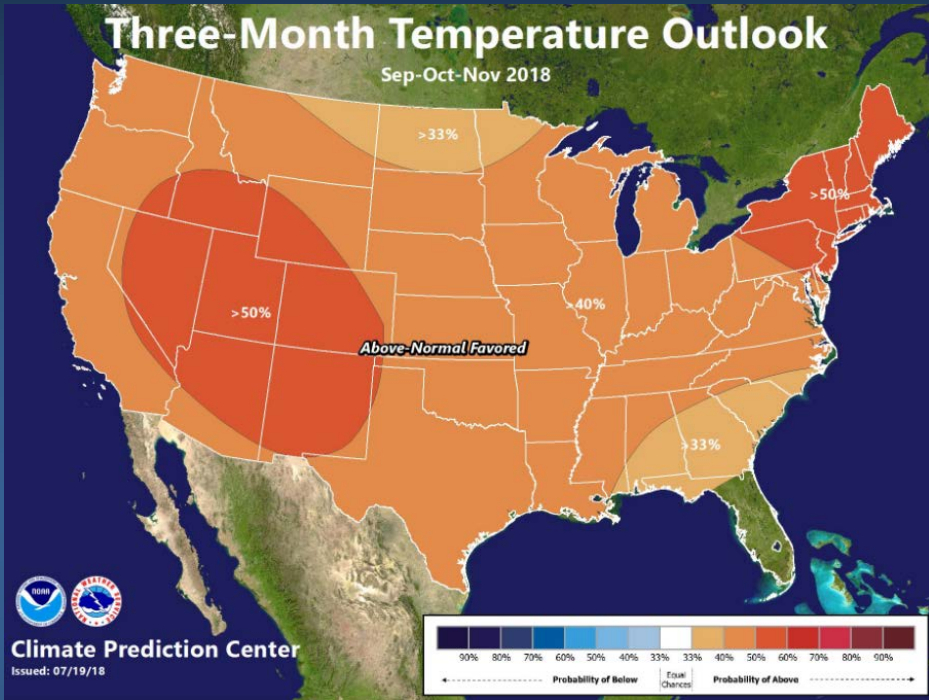
Aug 14 - Aug 20, 2018



Climate Prediction Center  
Issued: 08/06/2018



# Outlook for September-October-November 2018



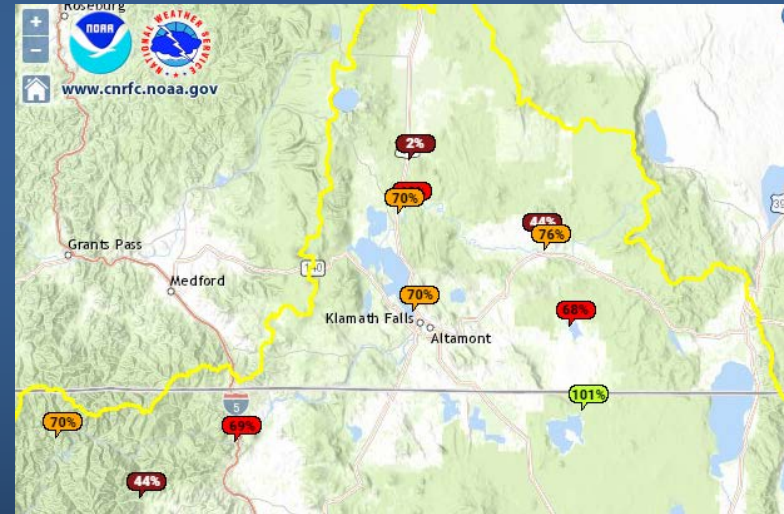
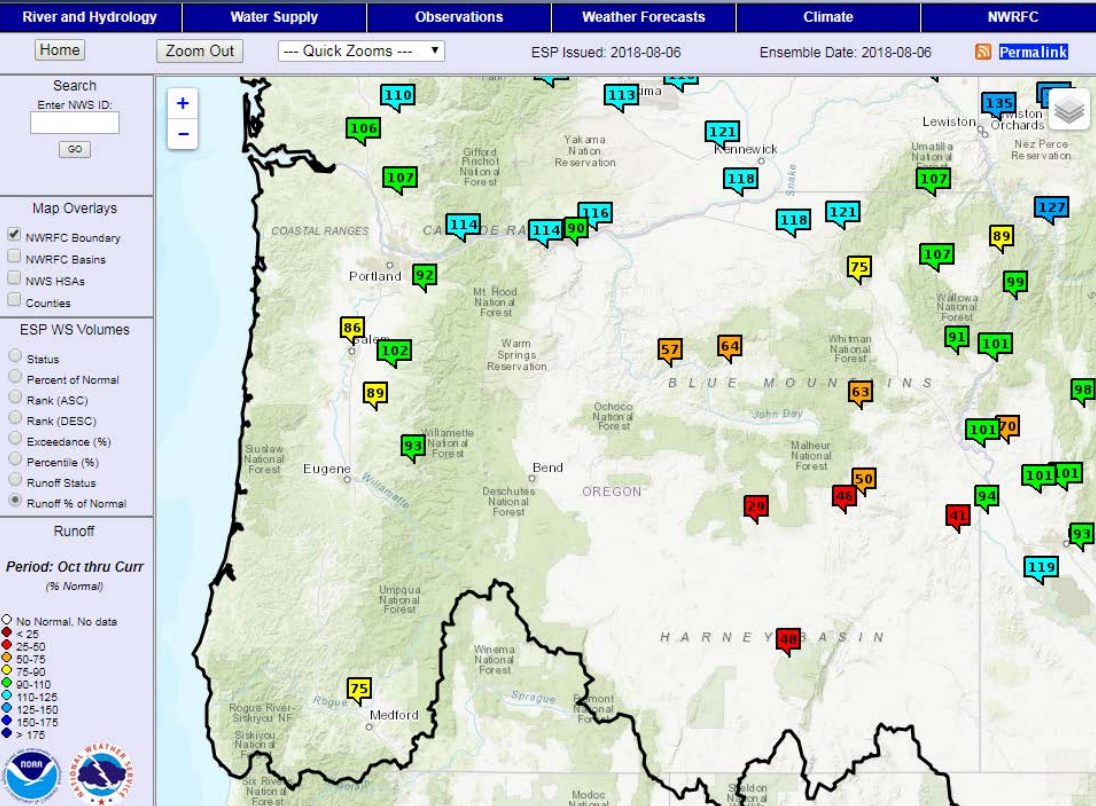




# Observed Water Year Runoff as of August 7th



## Northwest River Forecast Center Observed Water Year Runoff



Source: [www.nwrfc.noaa.gov](http://www.nwrfc.noaa.gov) & [www.cnrfc.noaa.gov](http://www.cnrfc.noaa.gov)

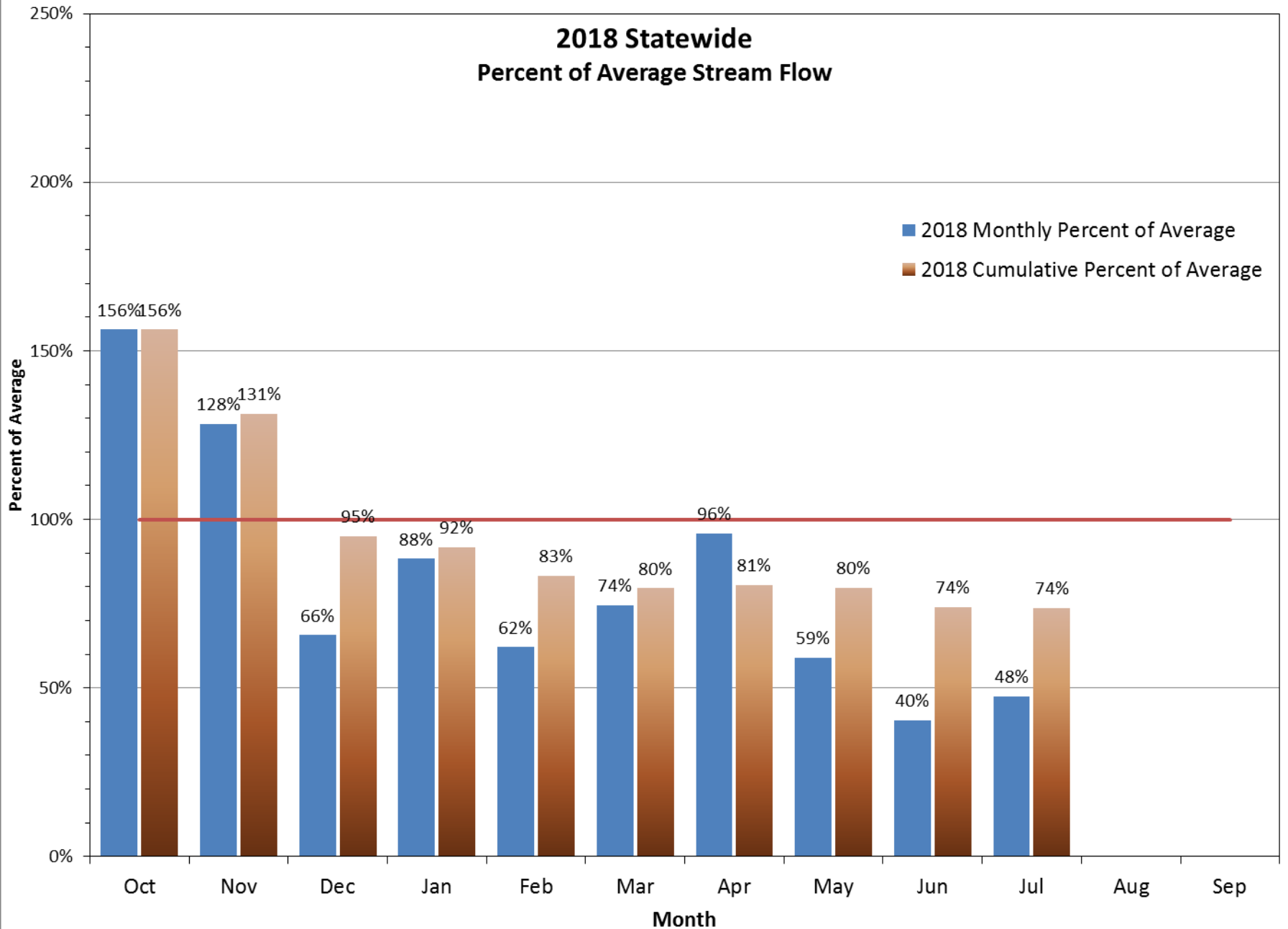
# Surface Water Conditions Report

## Water Supply Availability Committee



Ken Stahr  
Oregon Water Resources  
Department  
August 7, 2018

## 2018 Statewide Percent of Average Stream Flow



# Percent of Average Streamflow July, 2018

## Percent of Average Streamflow

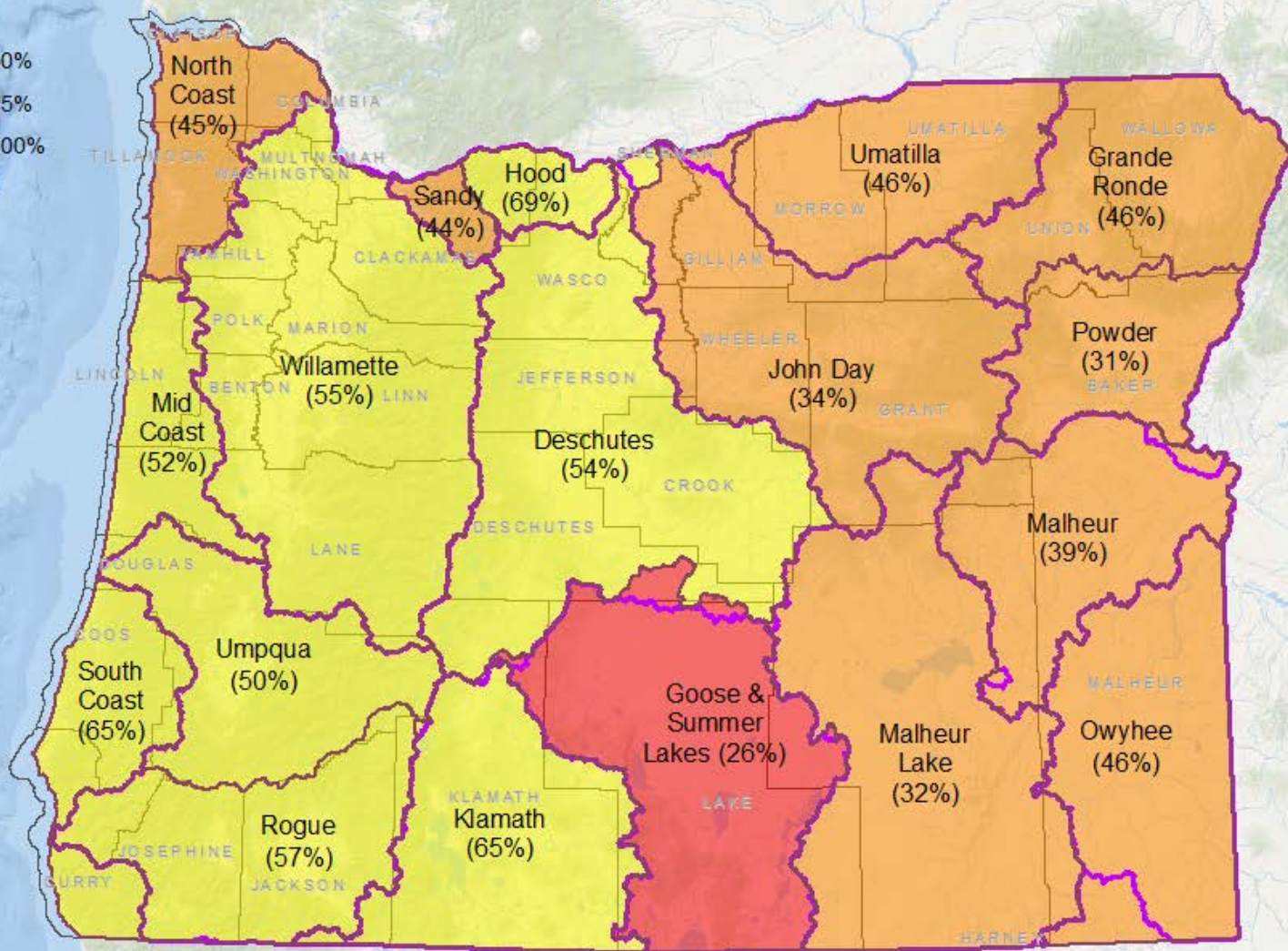
### WRD Basin

- < 30%
- 30% - 50%
- 51% - 75%
- 76% - 100%
- > 100%

### NRCS Basin



### County



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.

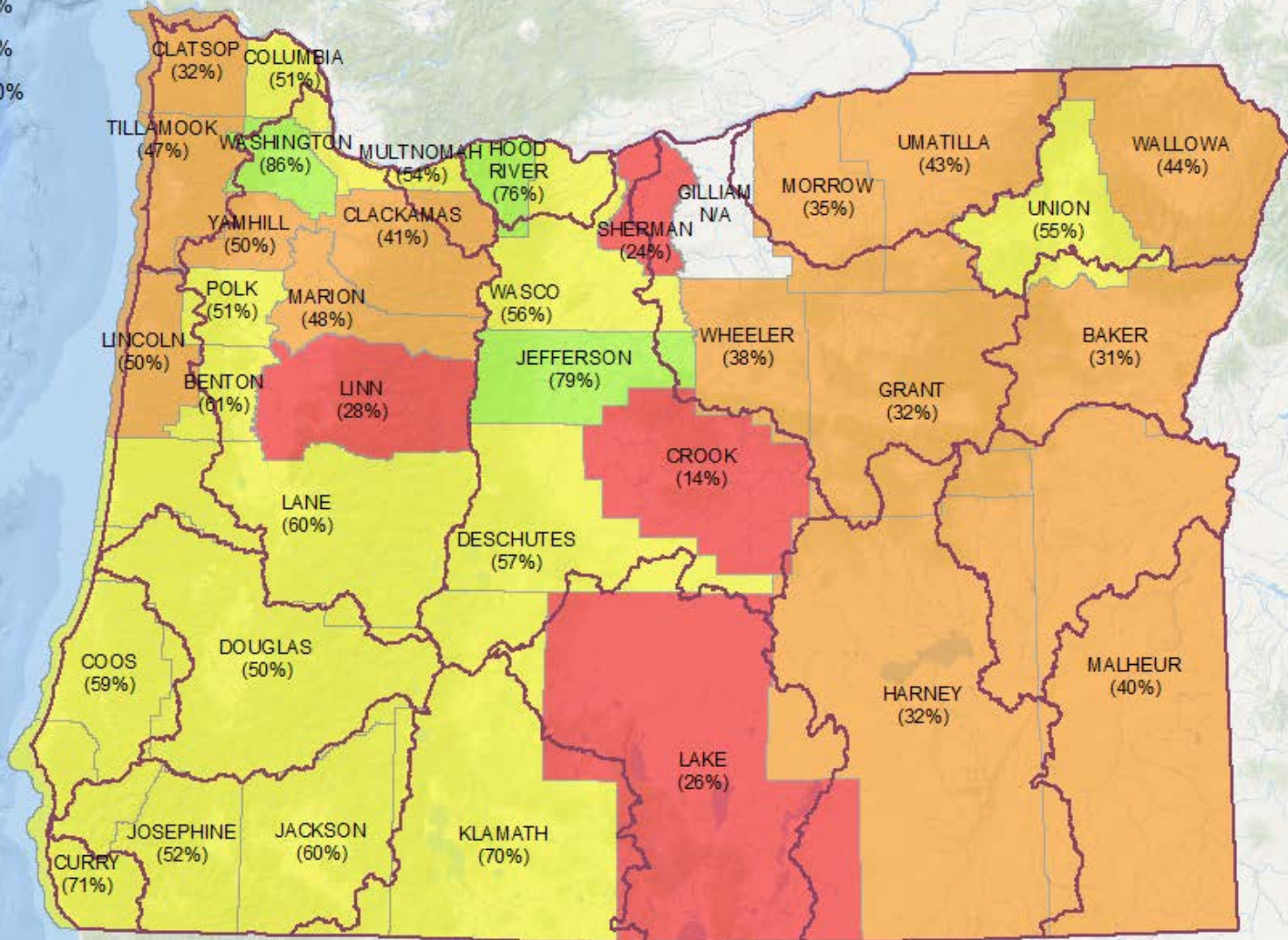
# Percent of Average Streamflow July, 2018

## Percent of Average Streamflow

### County

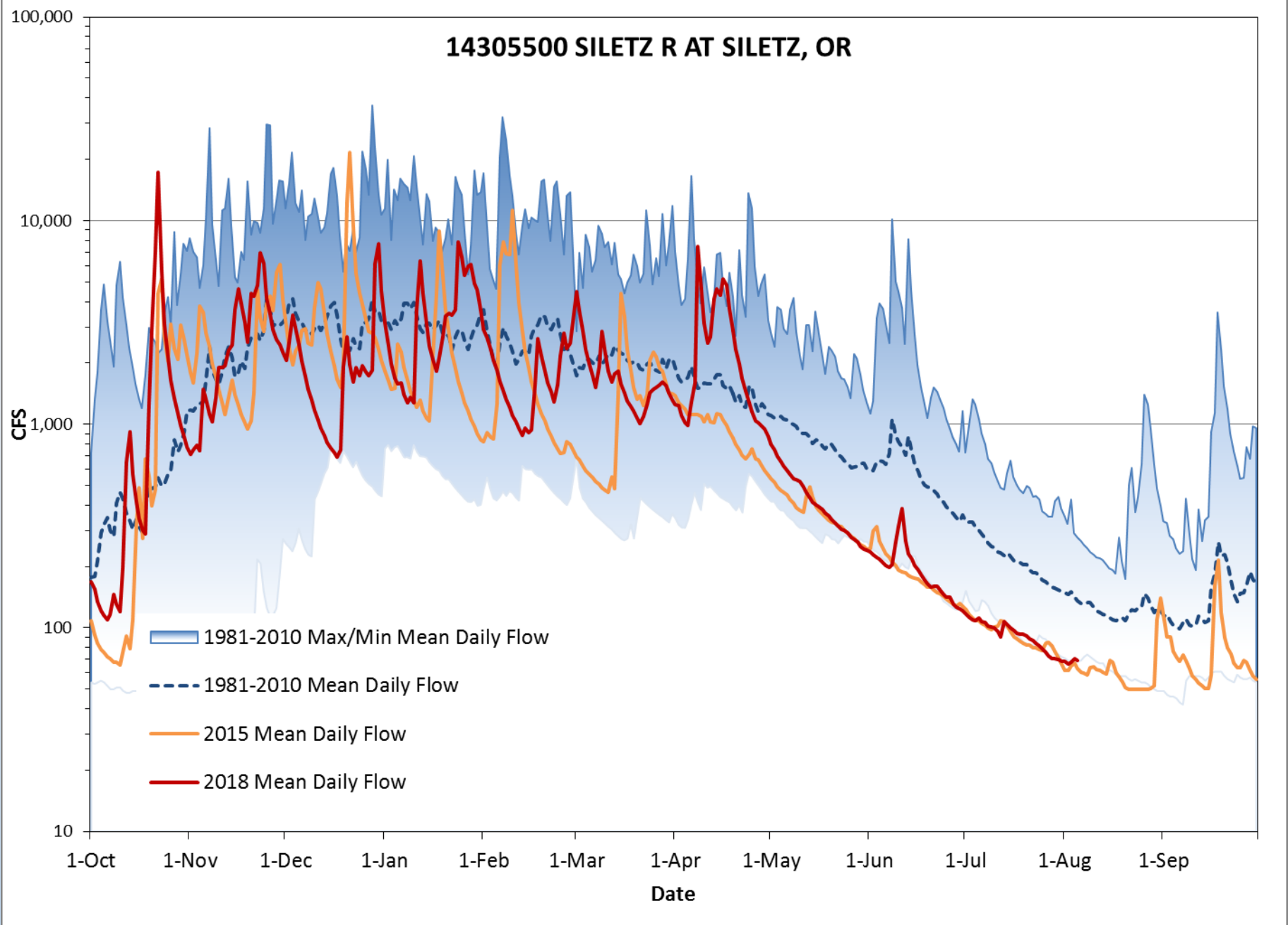
- < 30%
- 30% - 50%
- 51% - 75%
- 76% - 100%
- > 100%

### OWRD Basin

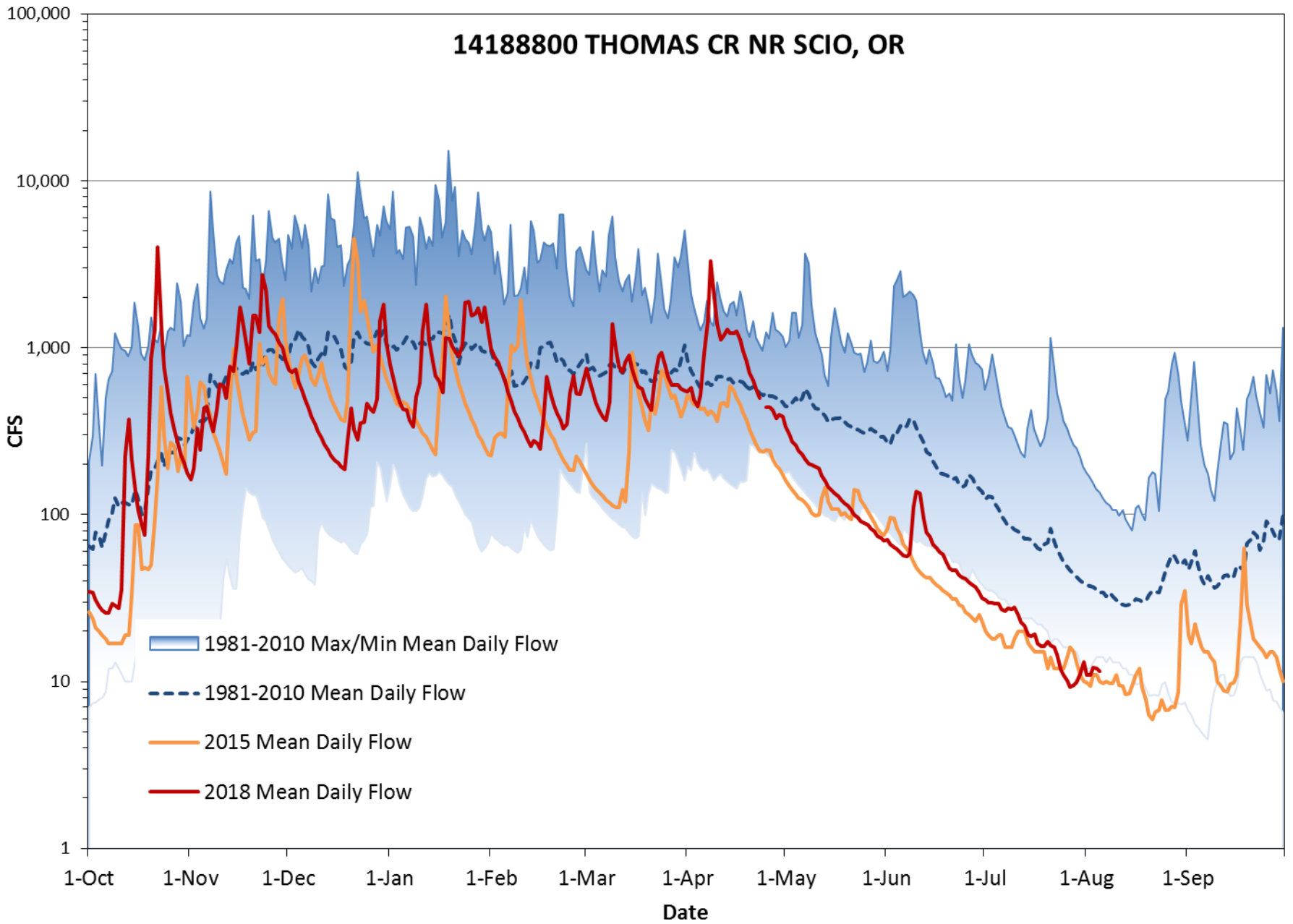


Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.

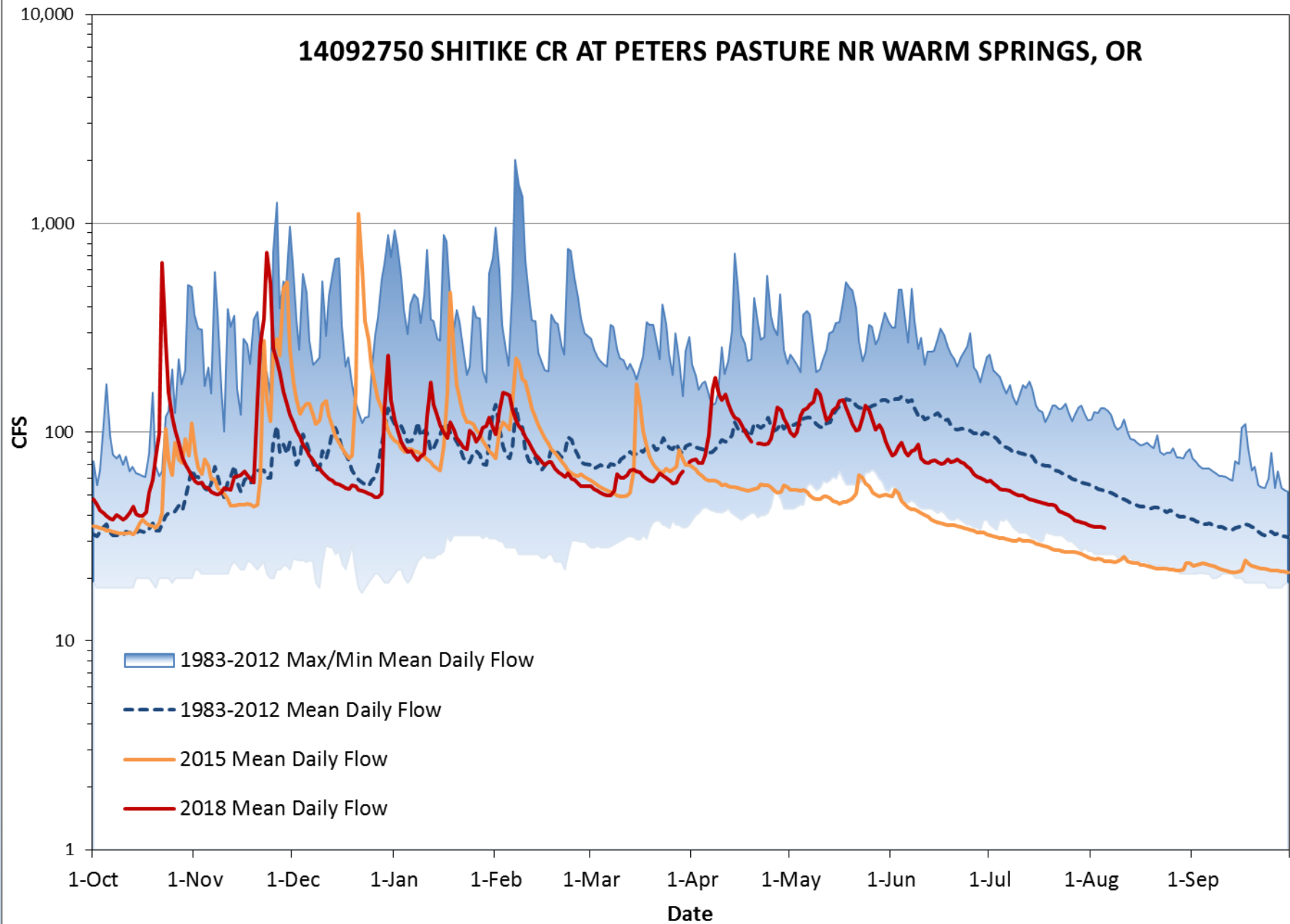
# 14305500 SILETZ R AT SILETZ, OR



# 14188800 THOMAS CR NR SCIO, OR

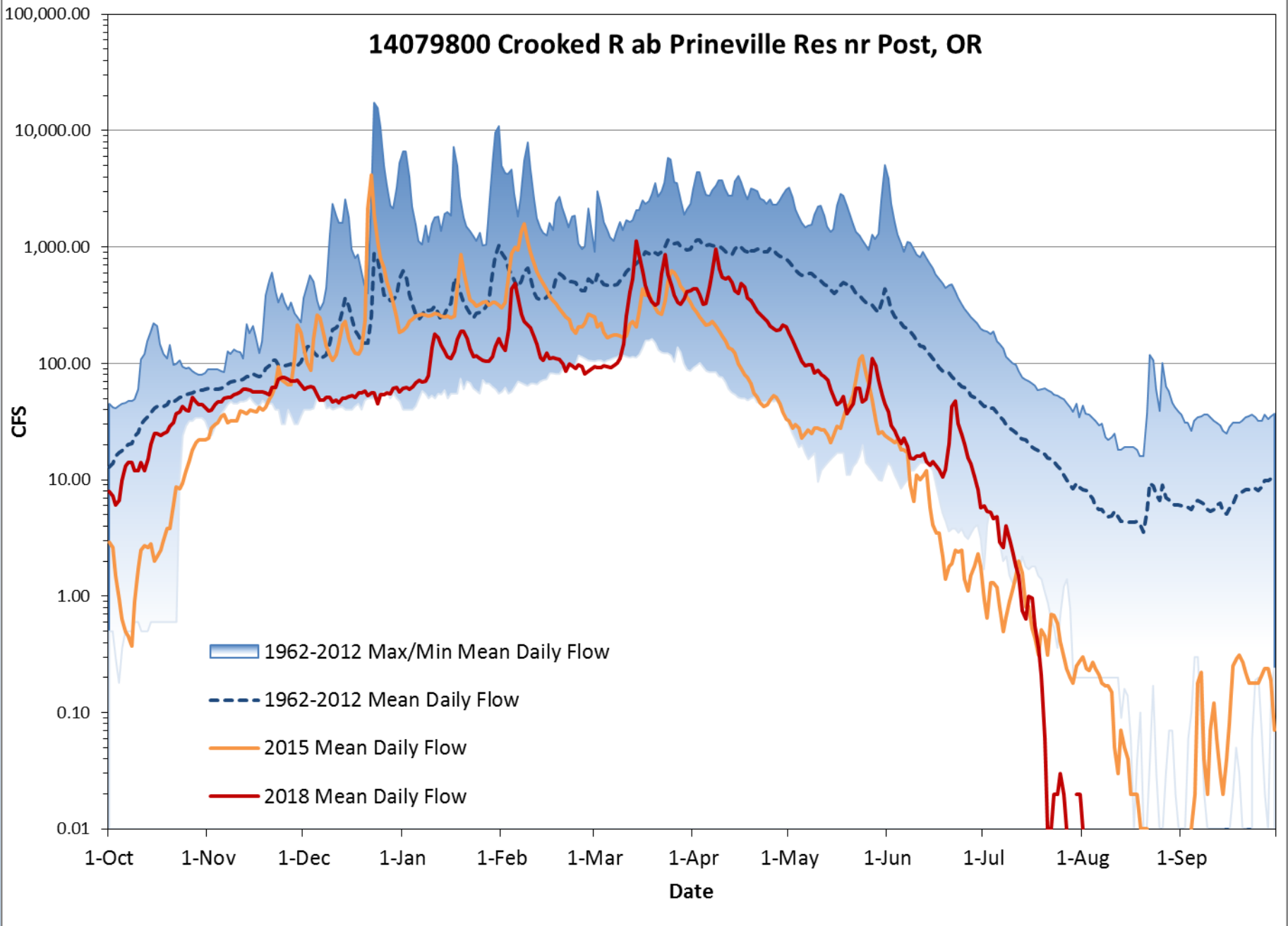


# 14092750 SHITIKE CR AT PETERS PASTURE NR WARM SPRINGS, OR

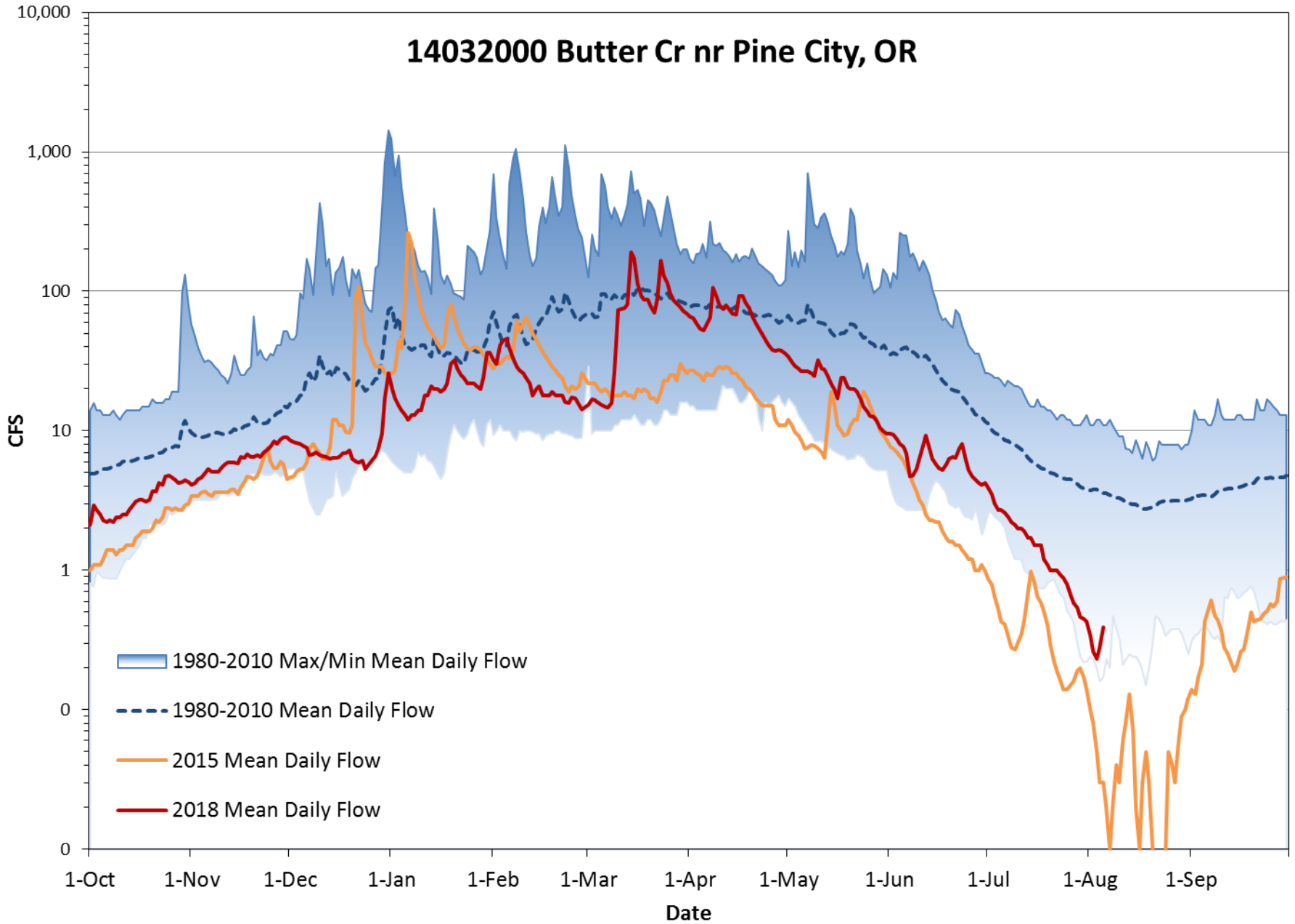




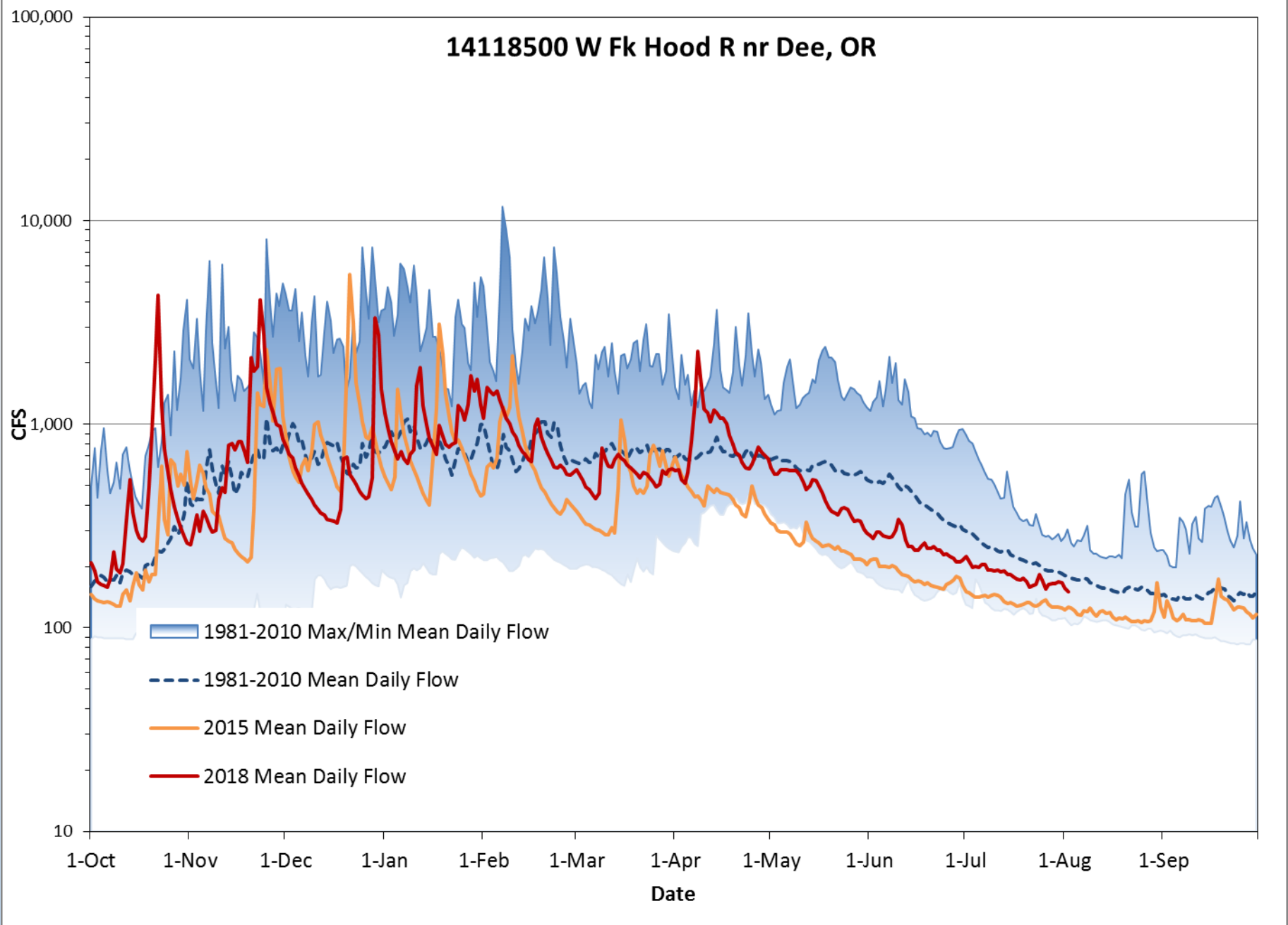
# 14079800 Crooked R ab Prineville Res nr Post, OR



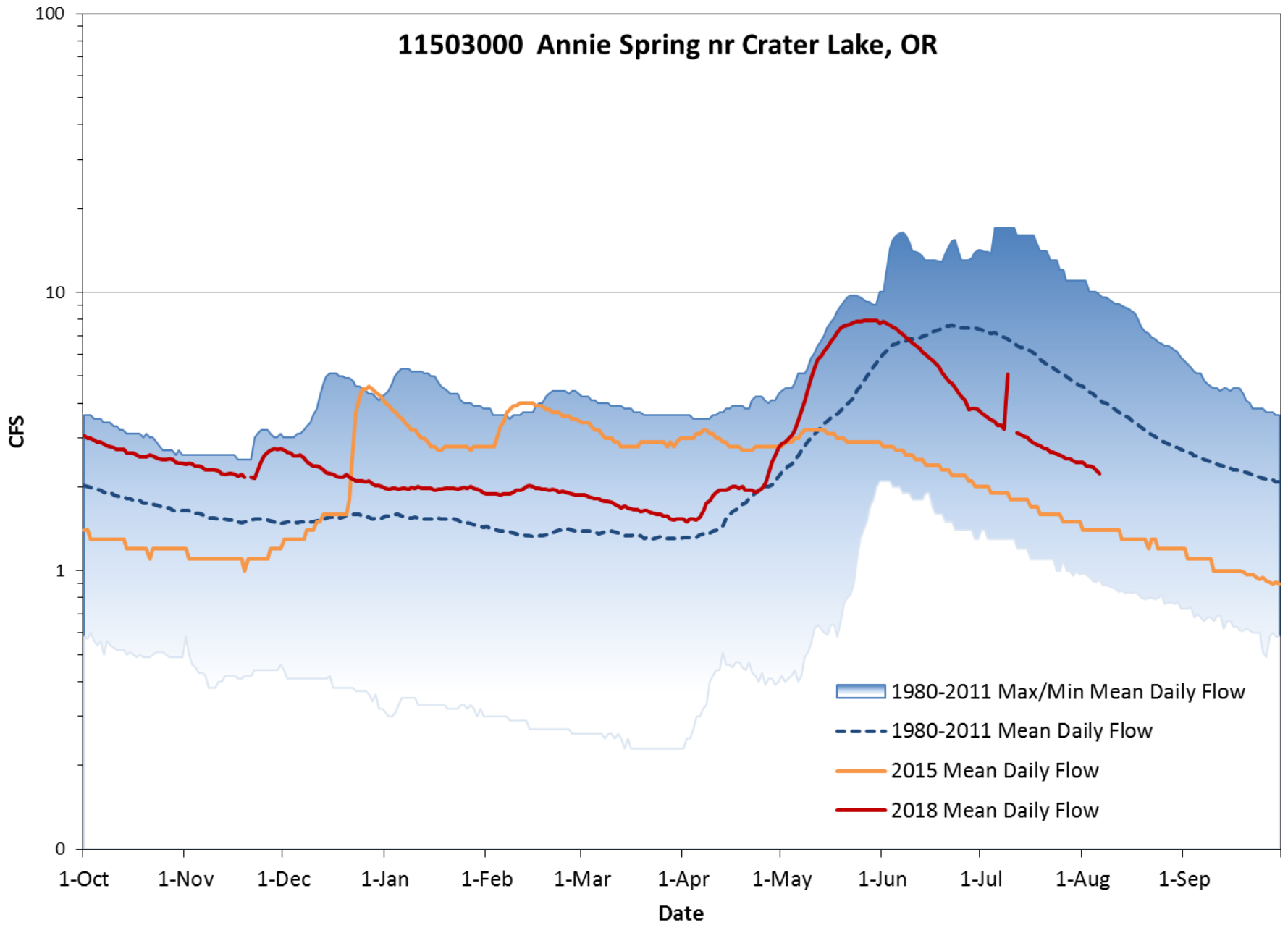
# 14032000 Butter Cr nr Pine City, OR



# 14118500 W Fk Hood R nr Dee, OR



# 11503000 Annie Spring nr Crater Lake, OR



OREGON






WATER RESOURCES  
DEPARTMENT

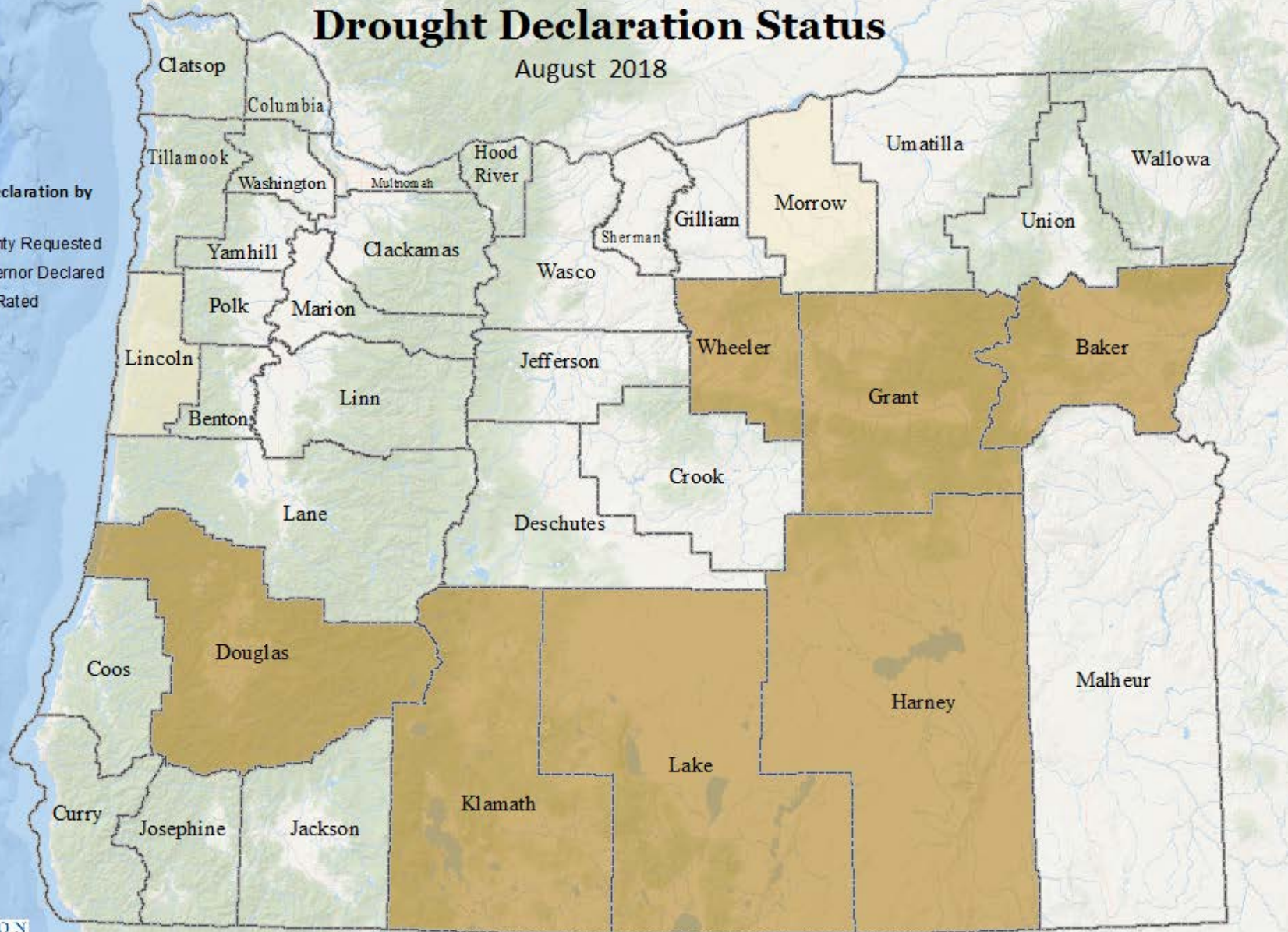
**Thank you.**

# Drought Declaration Status

August 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](http://www.oregon.gov/owrd)

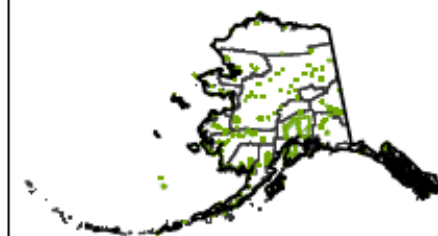
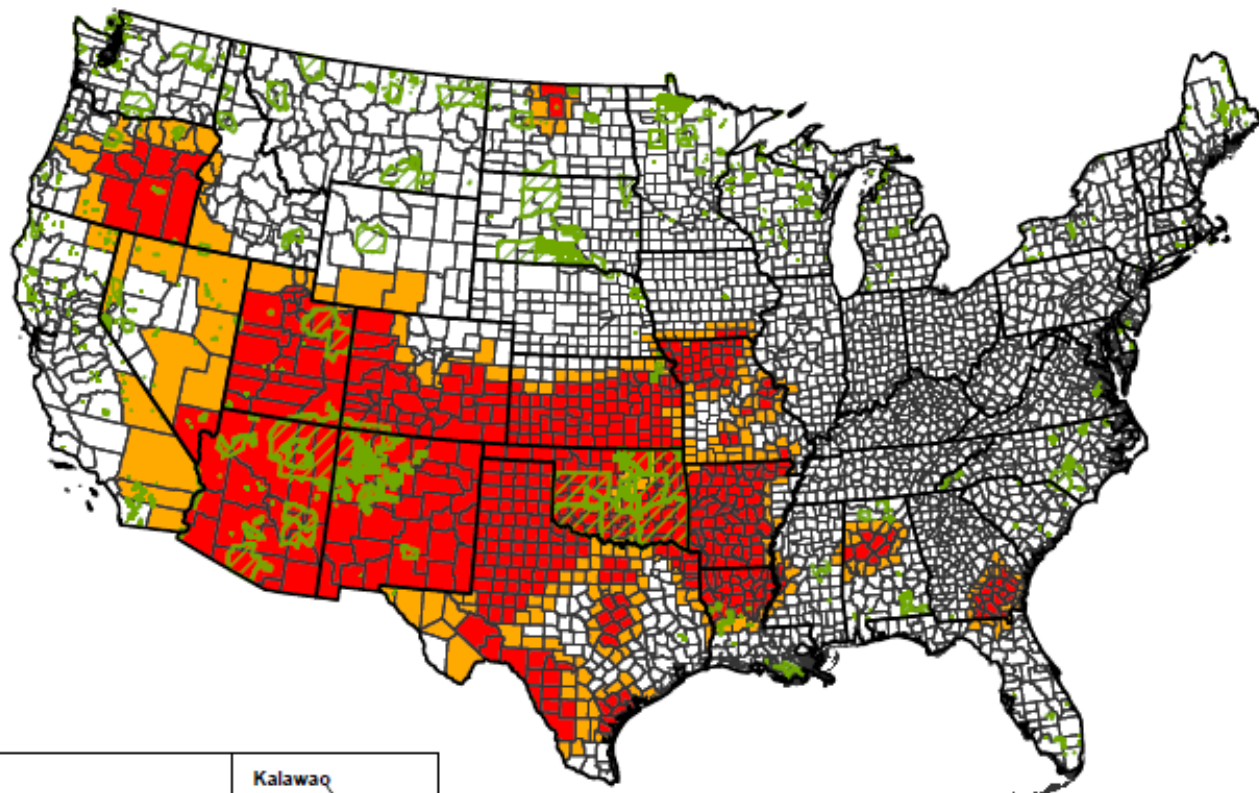
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

0 20 40 60 80 100 Miles

Updated: 8/2/2018 11:24 AM  
Projection: Oregon Lambert, NAD 83

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

# 2018 Secretarial Drought Designations - All Drought



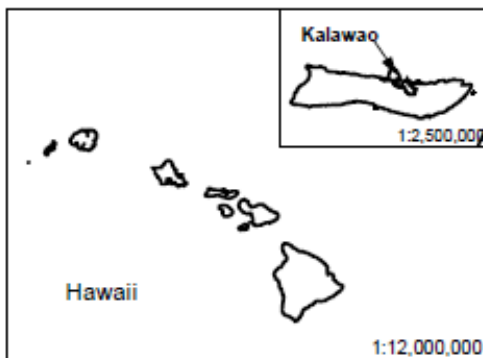
Alaska

1:60,000,000



Puerto Rico

1:4,000,000



Kalawao

1:2,500,000

Hawaii

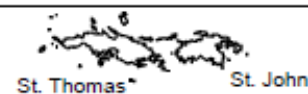
1:12,000,000

## Secretarial Drought Designations for 2018

Disaster Incidents as of August 1, 2018

-  State Boundary
-  County Boundary
-  Tribal Lands
-  Primary Counties: 533
-  Contiguous Counties: 268

1:25,000,000



St. Thomas

St. John

Virgin Islands of the U.S.

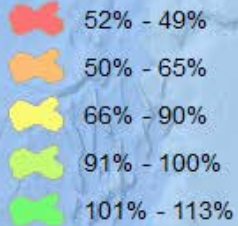
St. Croix

1:1,500,000

# Reservoir Storage Summary for the end of June, 2018

## Percent of Average Storage

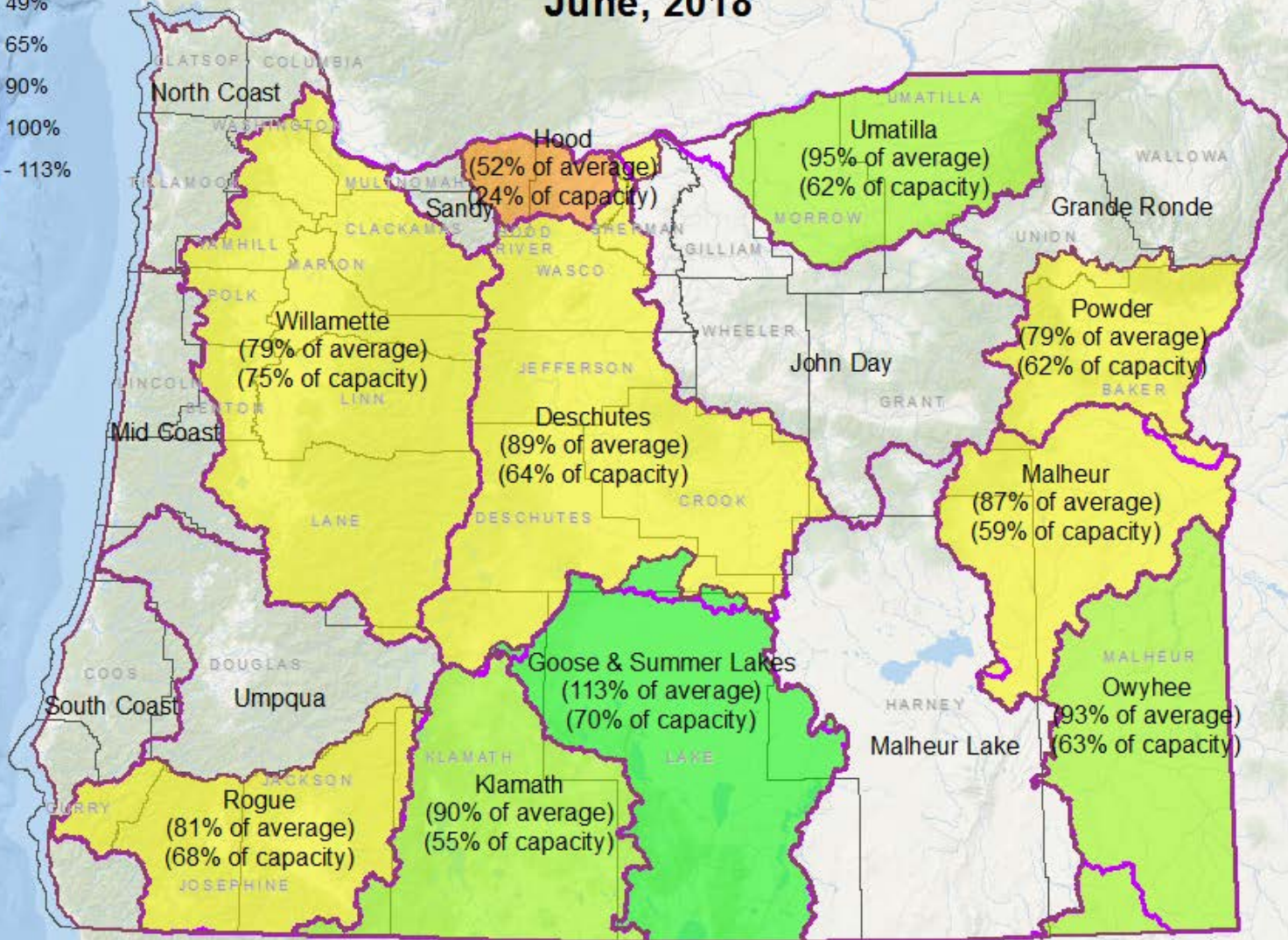
### WRD Basin



### NRCS Basin



### County



NRCS Basinwide Summary: July 1, 2018  
(averages based on 1981-2010 reference period)





# Oregon Water Supply Availability

August 2018

## USGS Update on Surface Water Conditions

Carrie Boudreau & Marc Stewart, USGS Oregon Water Science Center

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

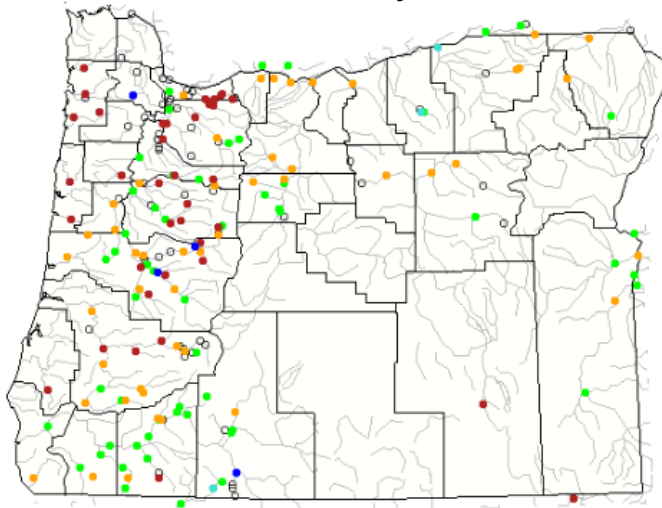
# Oregon Map of 28-day average streamflow compared to historical streamflow for the day of the year

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

Oregon or Water-Resources Regions

Monday, July 09, 2018

From July 10



Search USGS streamgage

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

- List of all stations
- Single station
- Nearest stations

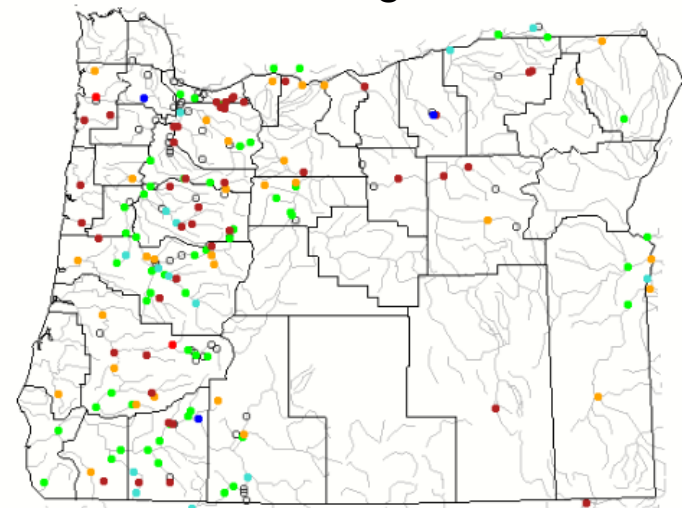
Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

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

Oregon or Water-Resources Regions

Monday, August 06, 2018

From August 7



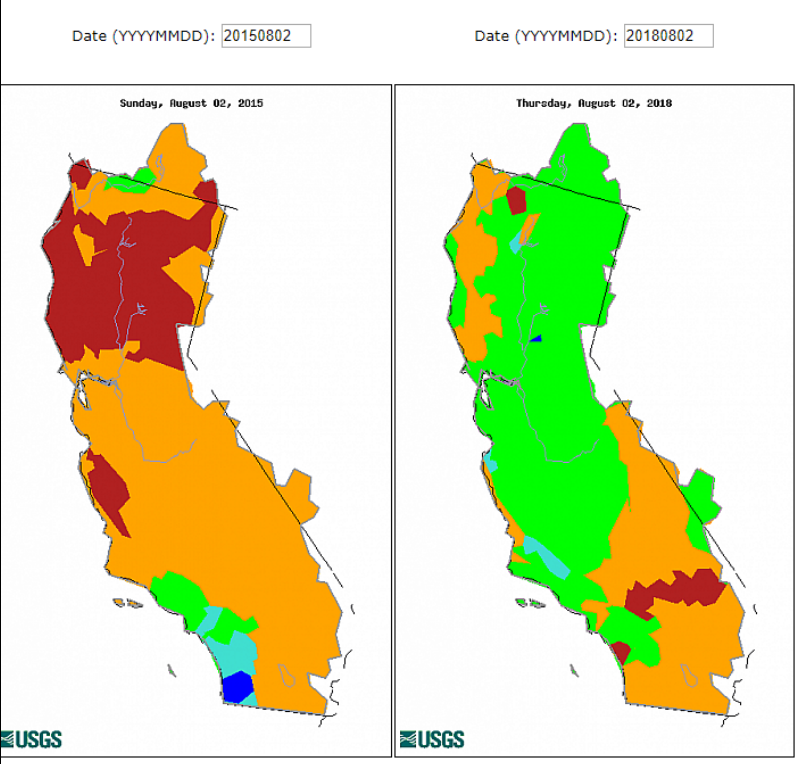
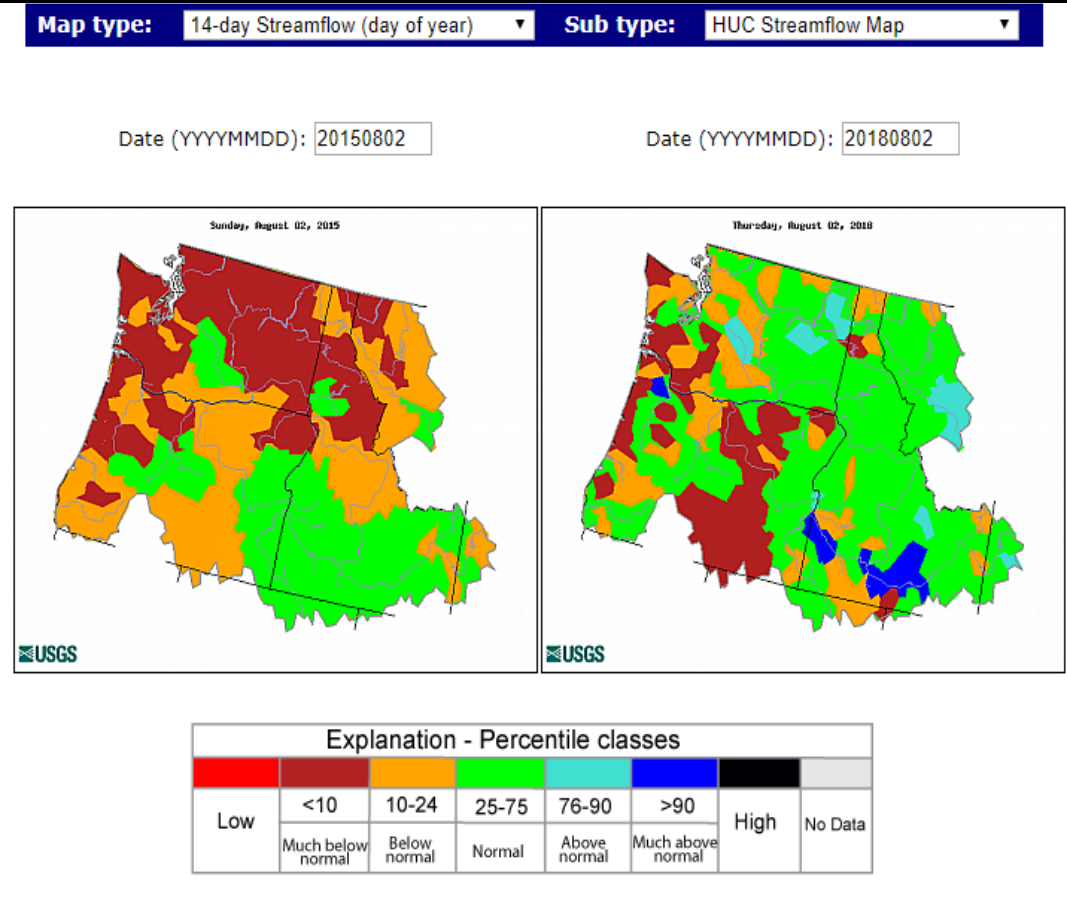
Search USGS streamgage

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Explanation - Percentile classes							
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# Pacific Northwest comparing 14 day average of streamflow from 08/02/2018 and 2015 & CA



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

Station	NRCS SWSI Basin	Monthly mean discharge		Change in dis- charge from	Accumulated Runoff For the Period Oct. to July
		Cubic feet per second	Percent of average	previous month (percent)	Percent of average
Donner Und Blitzen nr Frenchglen	Harney	35	34	-61	48
(*)Deep Creek above Adel	Lake County	10	29	-77	53
(*)Chewaucan River near Paisley	Lake County	19	29	-76	61
Williamson River near Chiloquin	Klamath	524	96	-22	67
Owyhee River near Rome	Owyhee	110	46	-53	34
(*)NF Malheur River near Beulah	Malheur	44	66	-35	54
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	1,408	56	-72	107
Umatilla River nr Gibbon	Umatilla Lower John Day	43	73	-44	120
John Day River at Service Crk	Upper John Day	174	29	-81	57
(*)Little Deschutes River nr LaPine	Upper Deschutes	105	62	17	70
Hood River nr Hood River	Lower Deschutes Mt.Hood	342	70	-27	104
Willamette River at Salem	Willamette	6,866	91	-34	89
Wilson River near Tillamook	North Coast	75	45	-44	112
Umpqua River near Elkton	Rogue/Umpqua	1,234	76	-31	69
Rogue River near Agness	Rogue/Umpqua	1,924	78	-35	68
SF Coquille River at Powers	South Coast	35	57	-46	87
Chetco River near Brookings	South Coast	148	70	-48	83

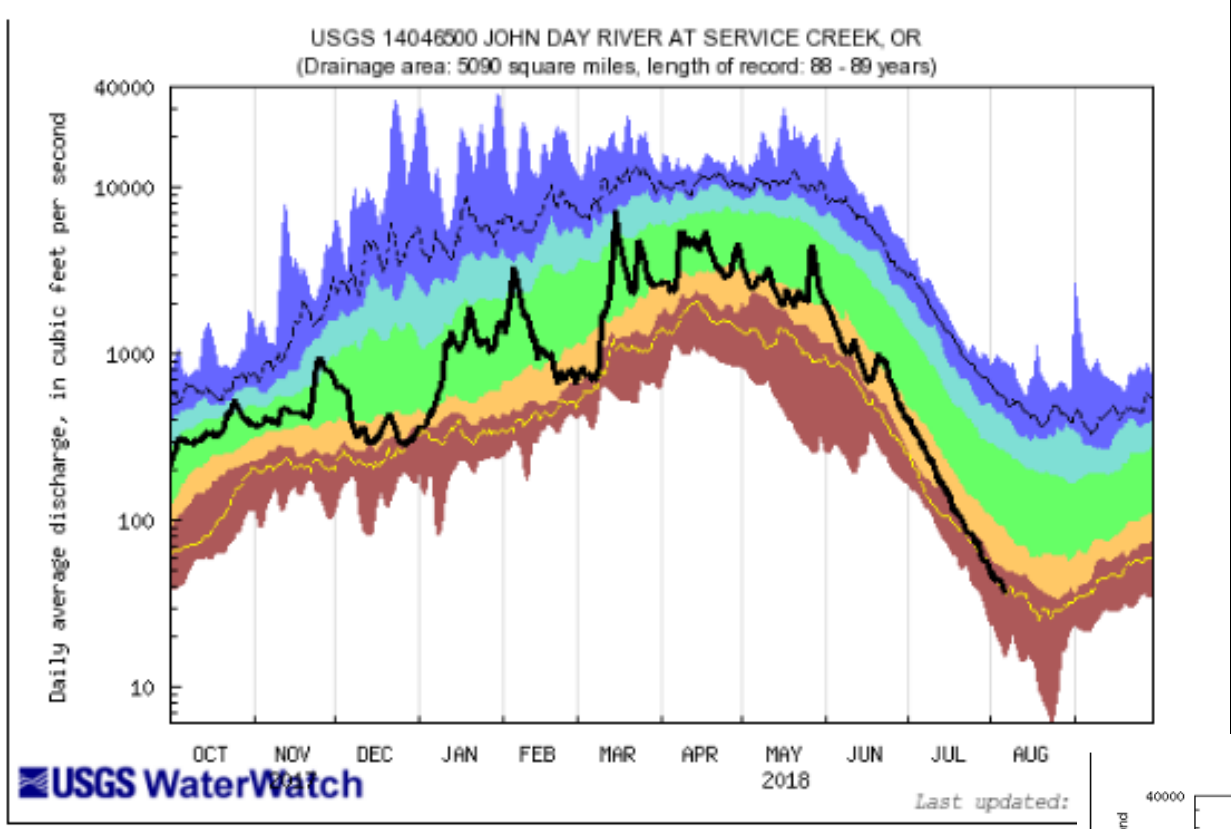
All data should be considered provisional and subject to revision.  
Percent of average computed using 30-year base period, water years 1981-2010.  
(\*) provided by Oregon Water Resources Department

8/1/2018

**In addition to  
Eastern Oregon  
Coastal Basins  
show flows  
lower than  
normal.**

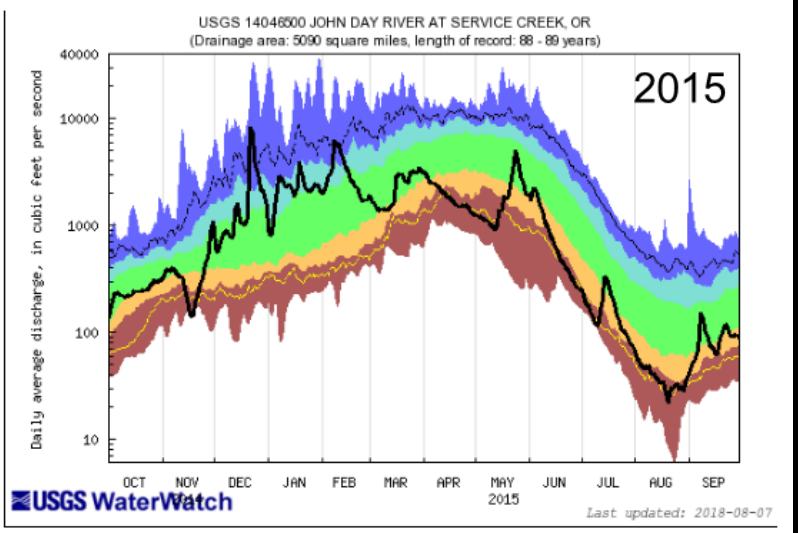
July				June			
Station	NRCS SWSI Basin	Cubic feet per second	Percent of average (per	Station	NRCS SWSI Basin	Cubic feet per second	Percent of average (p
Donner Und Blitzen nr Frenchglen	Harney	35	34	Donner Und Blitzen nr Frenchglen	Harney	90	31
(*)Deep Creek above Adel	Lake County	10	29	(*)Deep Creek above Adel	Lake County	43	22
(*)Chewaucan River near Paisley	Lake County	19	29	(*)Chewaucan River near Paisley	Lake County	79	31
Williamson River near Chiloquin	Klamath	524	96	Williamson River near Chiloquin	Klamath	668	70
Owyhee River near Rome	Owyhee	110	46	Owyhee River near Rome	Owyhee	232	29
(*)NF Malheur River near Beulah	Malheur	44	66	(*)NF Malheur River near Beulah	Malheur	68	41
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	1,408	56	Grande Ronde R at Troy	Grande Ronde Powder/Burnt	3,809	72
Umatilla River nr Gibbon	Umatilla Lower John Day	43	73	Umatilla River nr Gibbon	Umatilla Lower John Day	77	43
John Day River at Service Crk	Upper John Day	174	29	John Day River at Service Crk	Upper John Day	907	36
(*)Little Deschutes River nr LaPine	Upper Deschutes	105	62	(*)Little Deschutes River nr LaPine	Upper Deschutes	90	36
Hood River nr Hood River	Lower Deschutes Mt.Hood	342	70	Hood River nr Hood River	Lower Deschutes Mt.Hood	471	56
Willamette River at Salem	Willamette	6,866	91	Willamette River at Salem	Willamette	10,425	71
Wilson River near Tillamook	North Coast	75	45	Wilson River near Tillamook	North Coast	135	34
Umpqua River near Elkton	Rogue/Umpqua	1,234	76	Umpqua River near Elkton	Rogue/Umpqua	1,790	49
Rogue River near Agness	Rogue/Umpqua	1,924	78	Rogue River near Agness	Rogue/Umpqua	2,974	79
SF Coquille River at Powers	South Coast	35	57	SF Coquille River at Powers	South Coast	65	31
Chetco River near Brookings	South Coast	148	70	Chetco River near Brookings	South Coast	286	39

# 14046500 John Day Service Creek



Explanation - Percentile classes

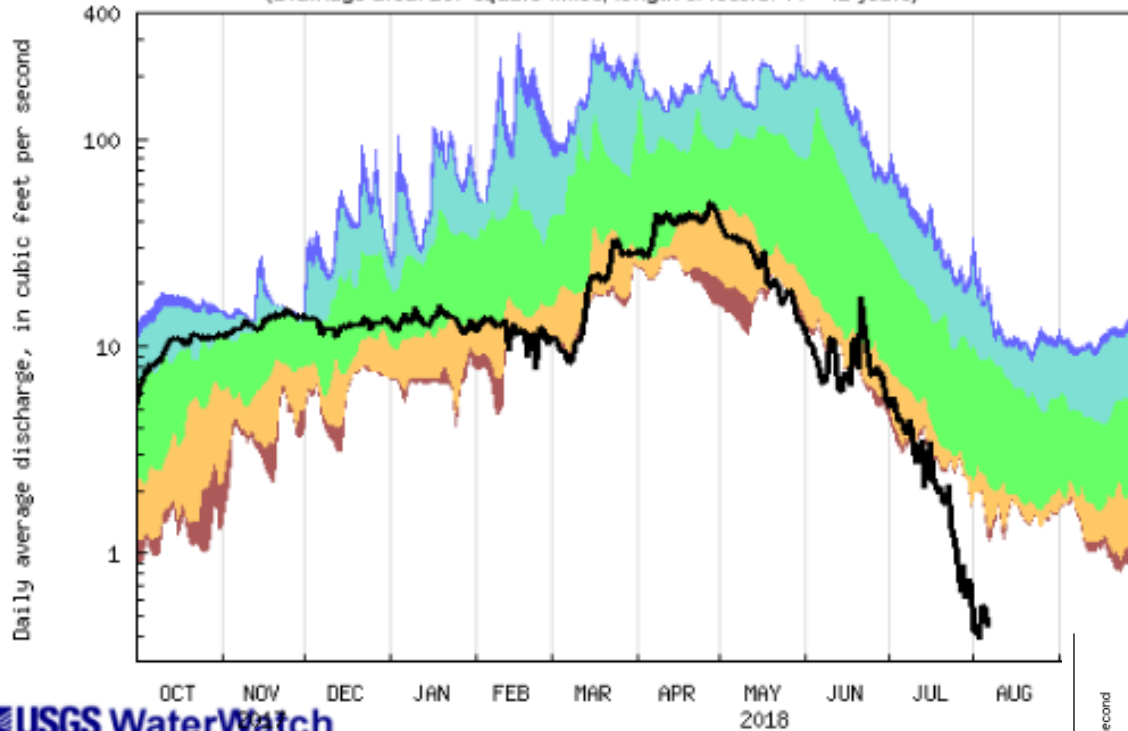
lowest-10th percentile	5	10-24	25-75	76-90	95	99th percentile-highest	Flow
Much below Normal		Below normal	Normal	Above normal		Much above normal	



# 14046778 Bridge Creek near Mitchell

(10 years of record)

USGS 14046778 BRIDGE CR ABV COYOTE CANYON NR MITCHELL, OR  
(Drainage area: 267 square miles, length of record: 11 - 12 years)

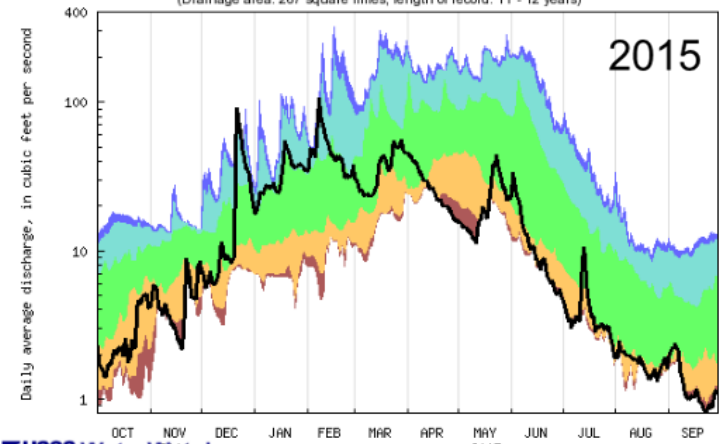


USGS WaterWatch

Last updated:

Explanation - Percentile classes						Flow	
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	

USGS 14046778 BRIDGE CR ABV COYOTE CANYON NR MITCHELL, OR  
(Drainage area: 267 square miles, length of record: 11 - 12 years)

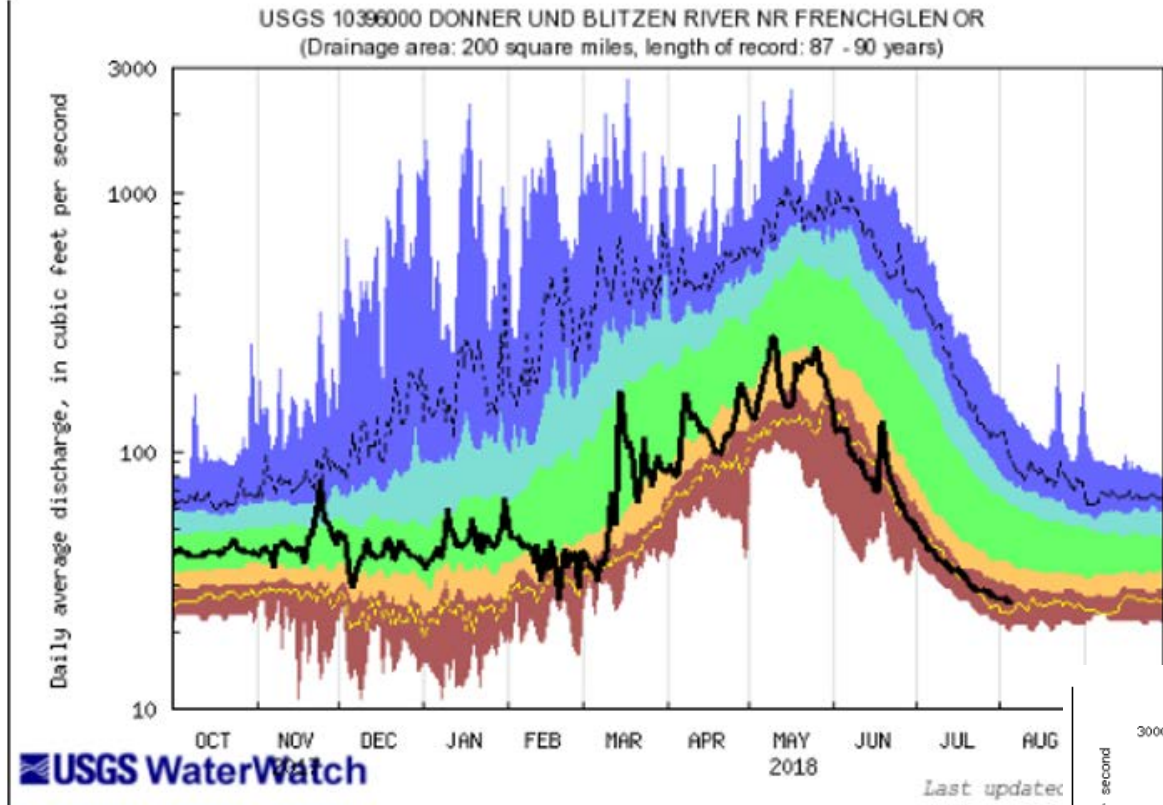


USGS WaterWatch

Last updated: 2018-08-07

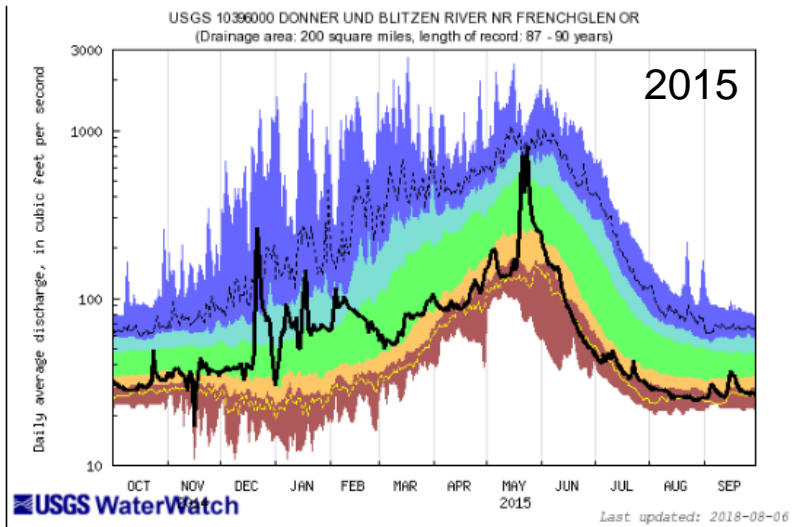


# DONNER BLITZEN & HARNEY BASIN



Explanation - Percentile classes

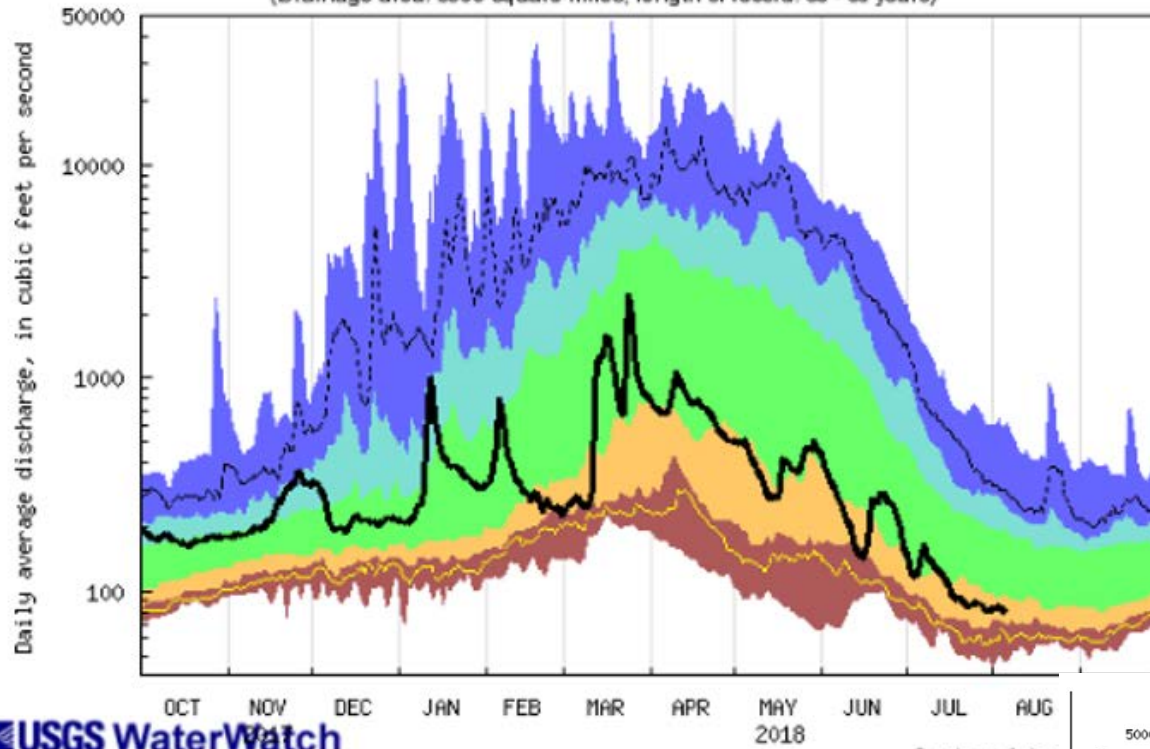
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal		Below normal	Normal	Above normal	Much above normal		





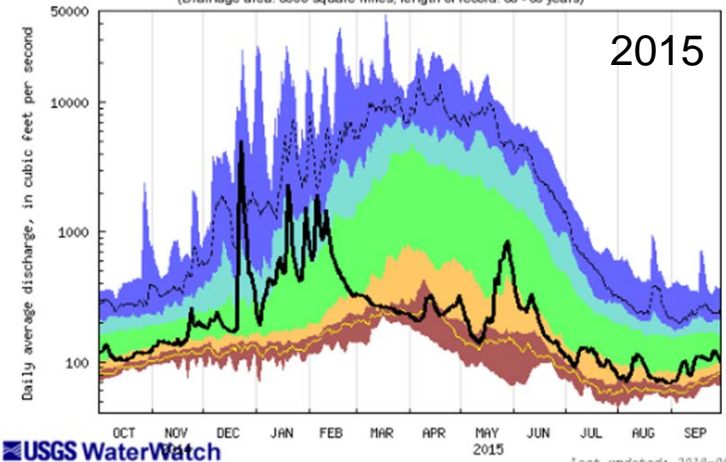
# OWYHEE BASIN

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

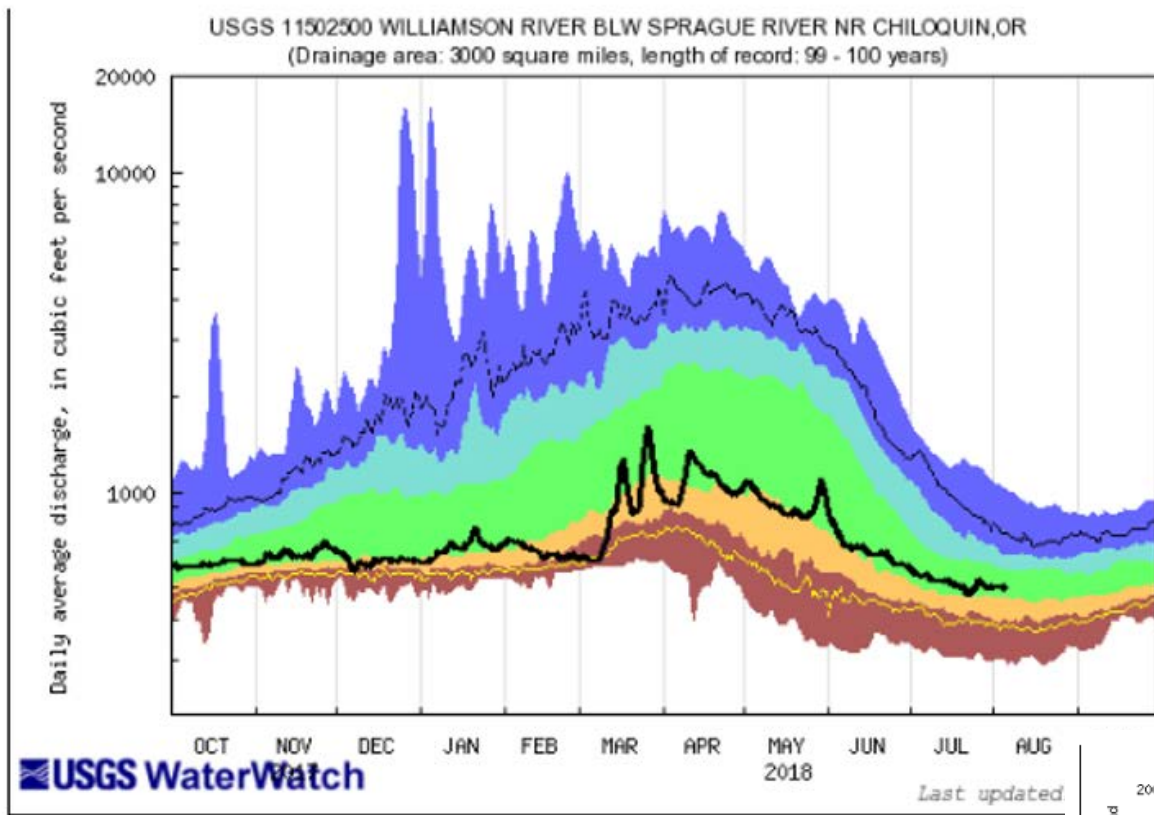


Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

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

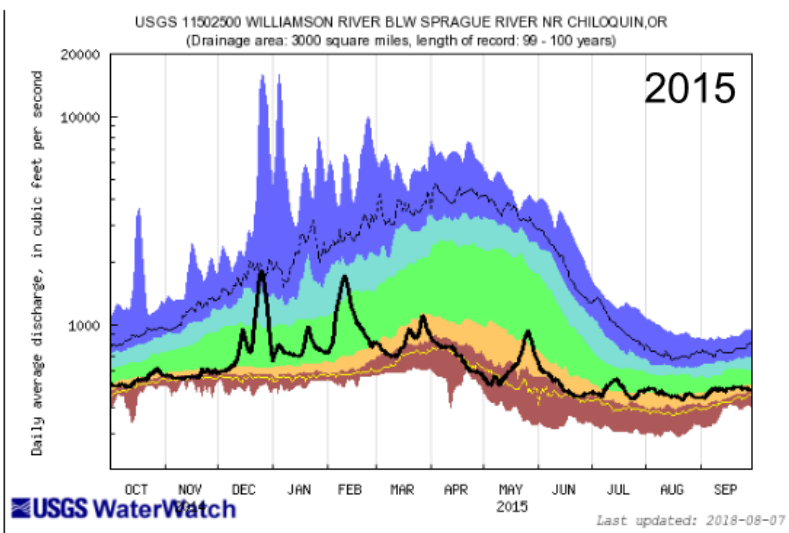


# KLAMATH BASIN 11502500

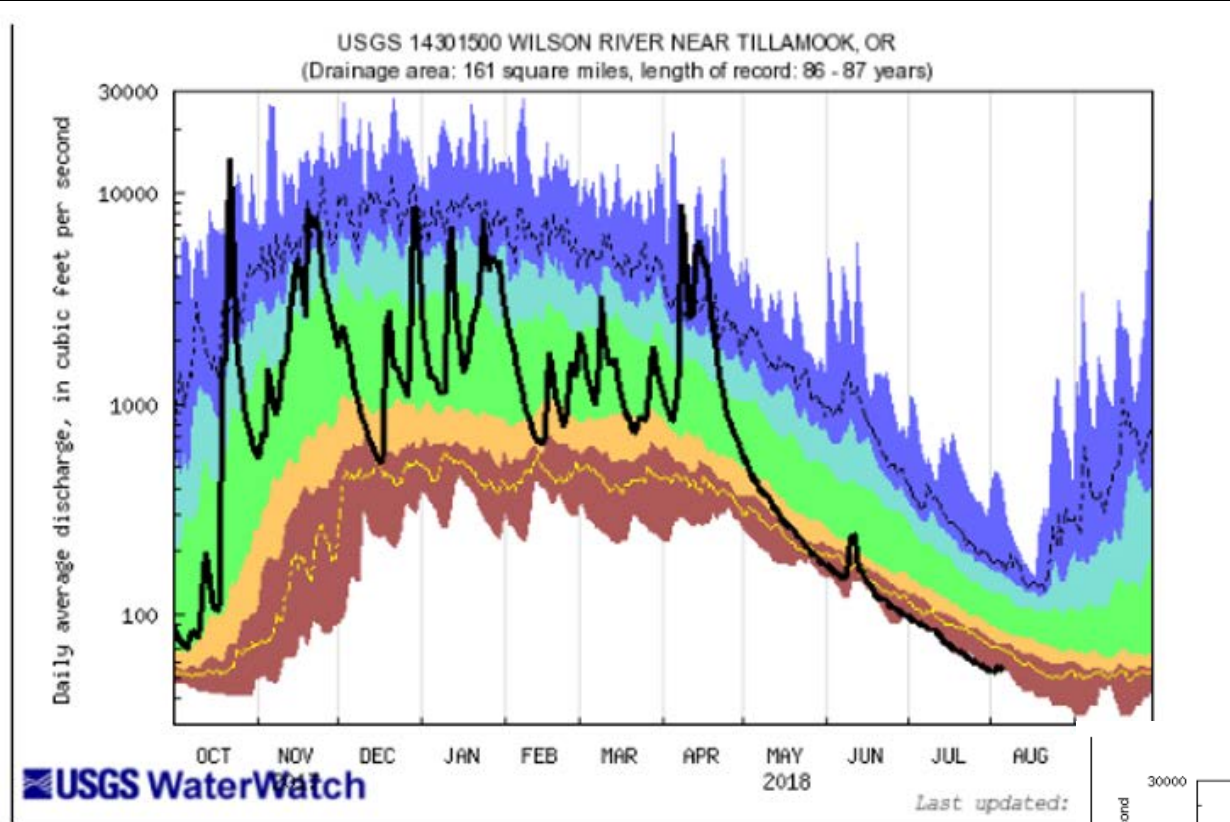


Explanation - Percentile classes

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

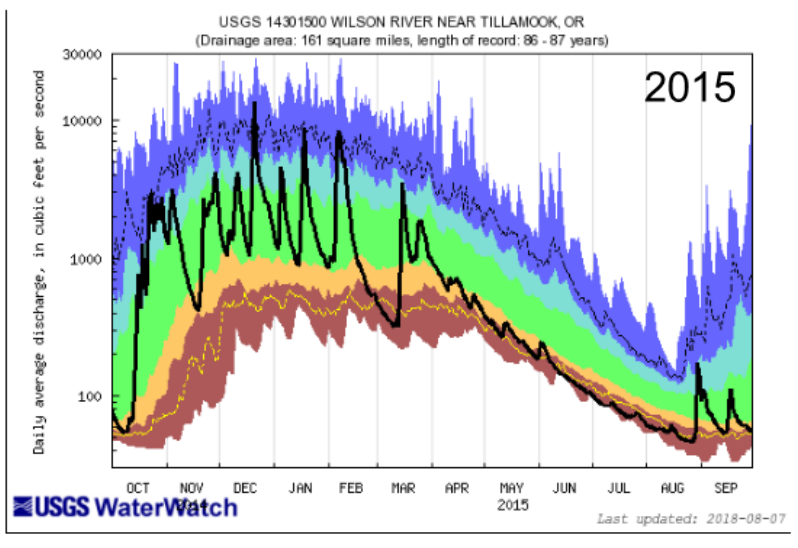


# Wilson River Tillamook 14301500

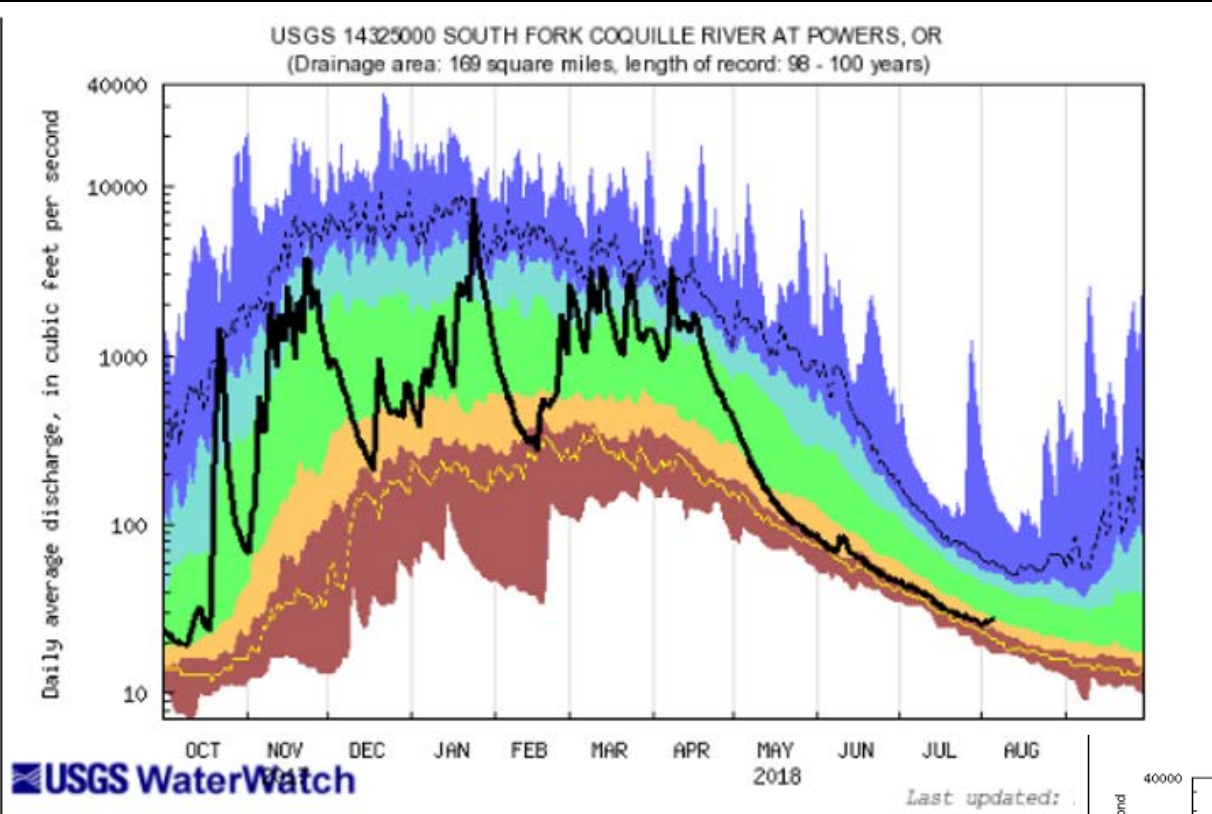


Explanation - Percentile classes

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

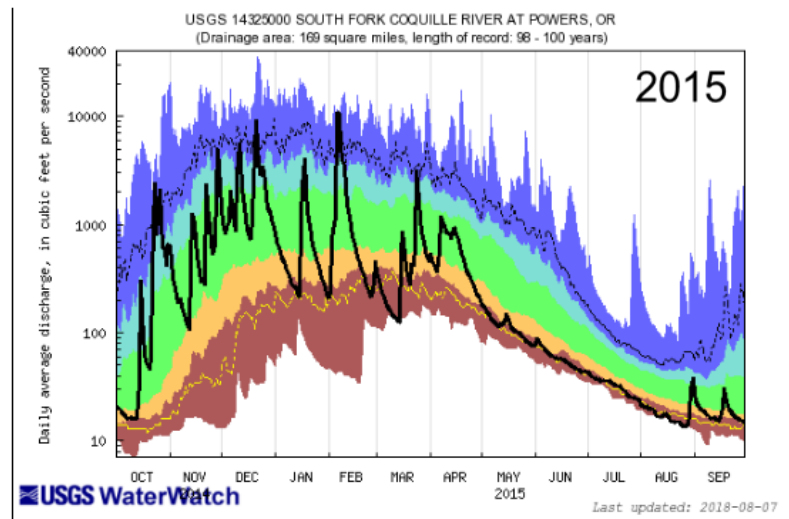


# SOUTH COAST

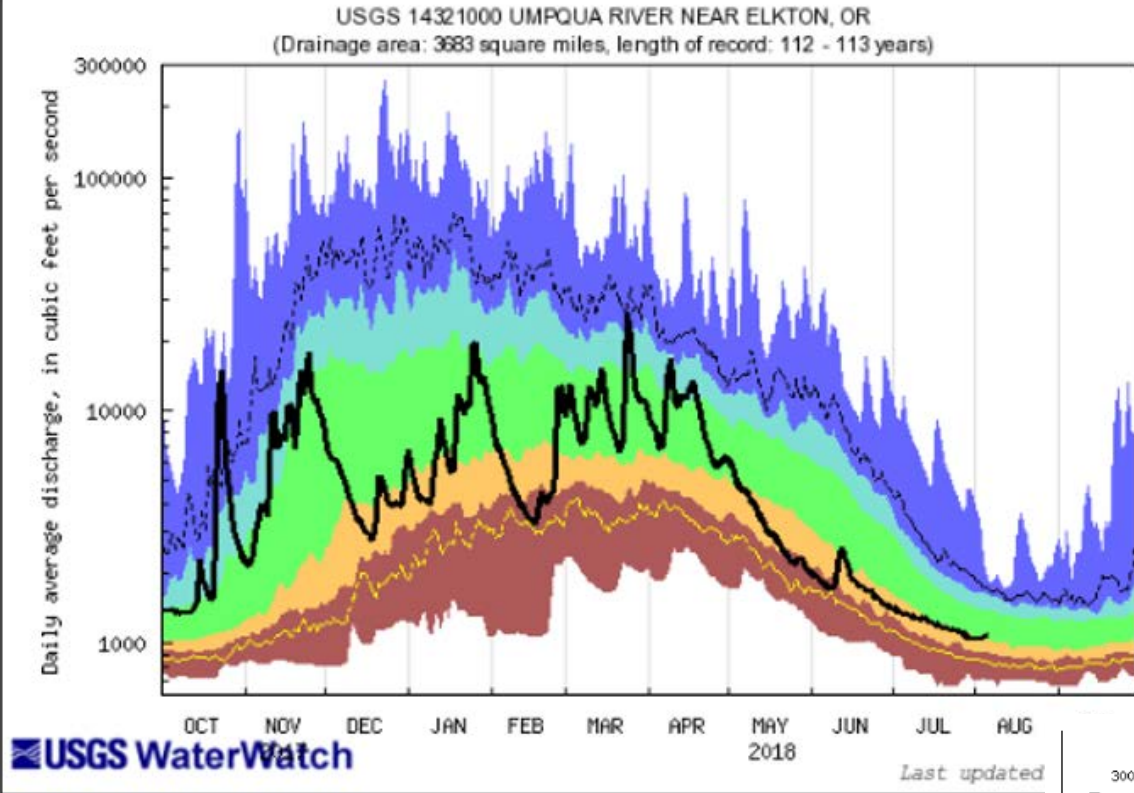


Explanation - Percentile classes

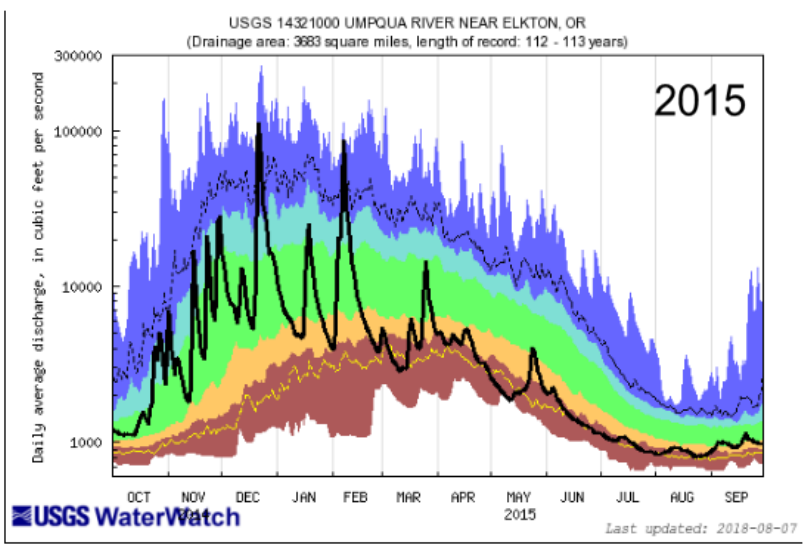
-----	-----	-----	-----	-----	-----	-----	-----	-----
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest	Flow	
Much below Normal	Below normal	Normal	Above normal	Much above normal				



# ROGUE/UMPQUA BASIN

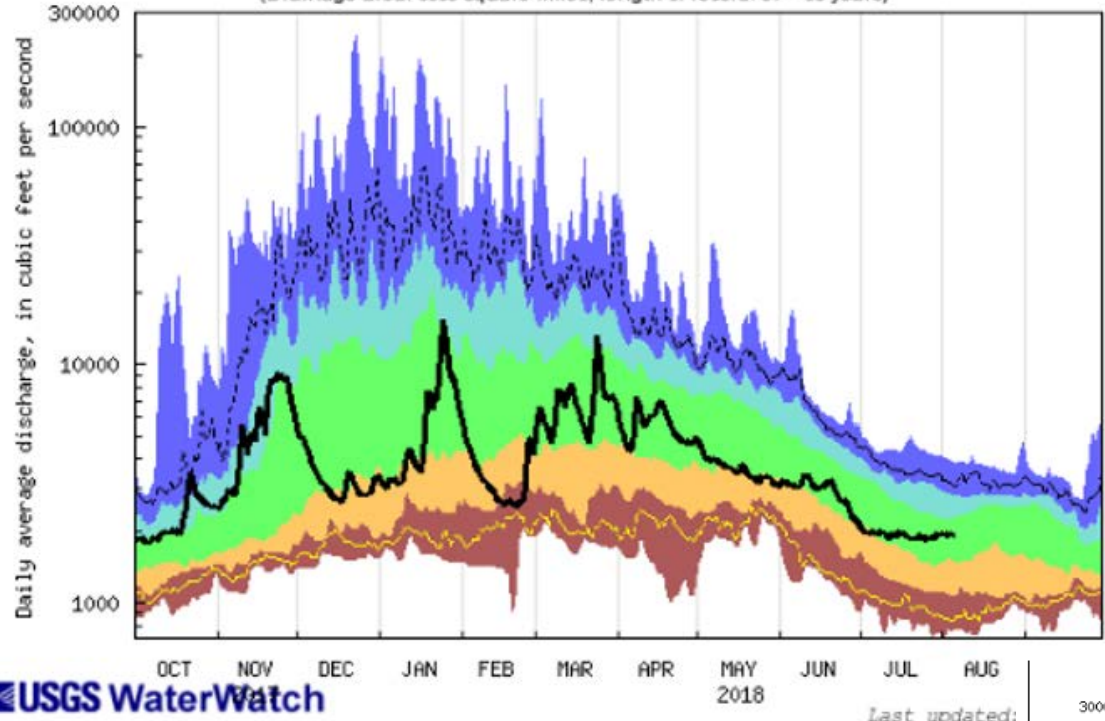


Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow



# ROGUE/UMPQUA BASIN

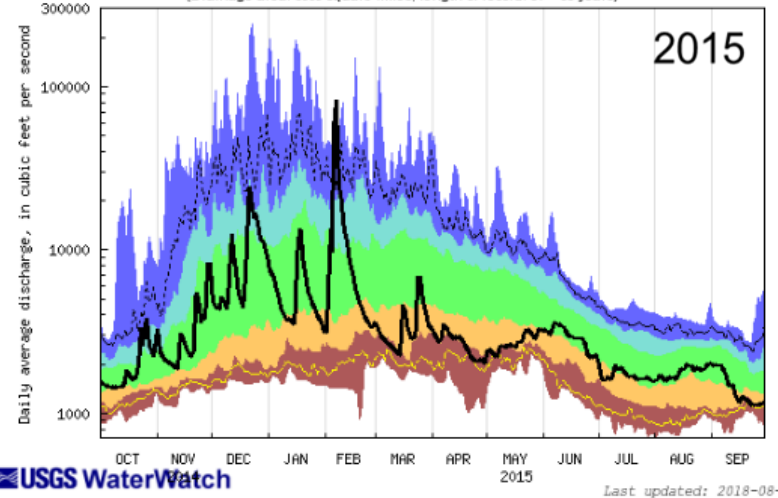
USGS 14372300 ROGUE RIVER NEAR AGNESS, OR  
(Drainage area: 3939 square miles, length of record: 57 - 58 years)



Last updated:

Explanation - Percentile classes						Flow	
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	

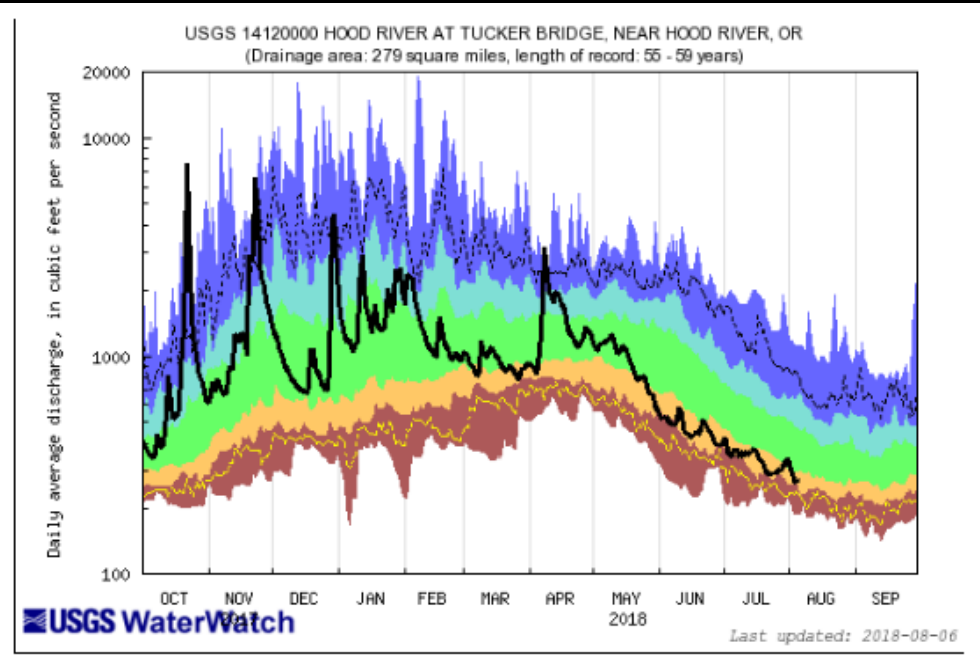
USGS 14372300 ROGUE RIVER NEAR AGNESS, OR  
(Drainage area: 3939 square miles, length of record: 57 - 58 years)



Last updated: 2018-08-07

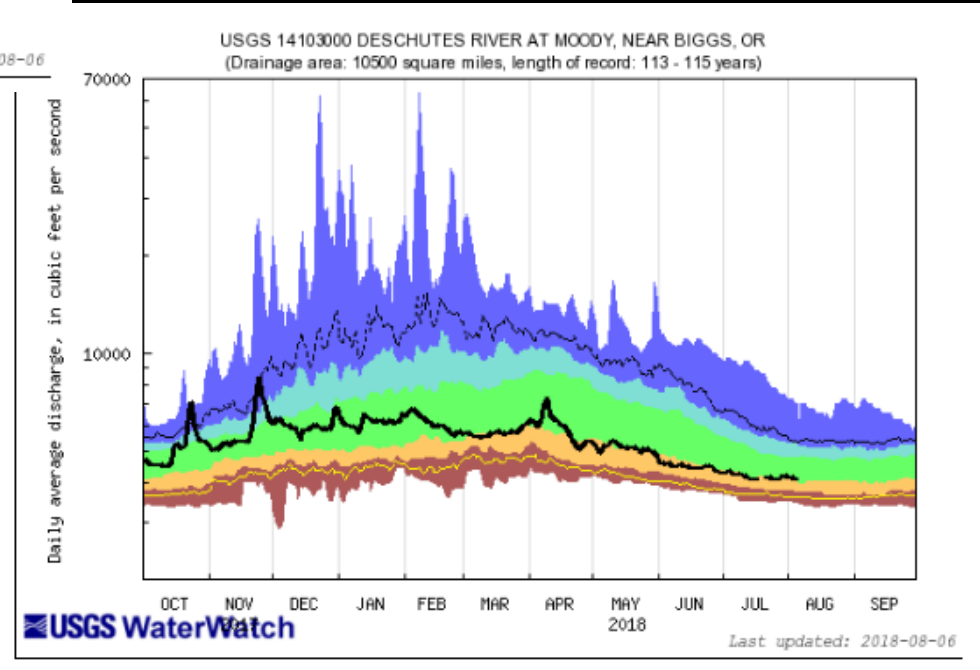


# LOWER DESCHUTES / MT HOOD

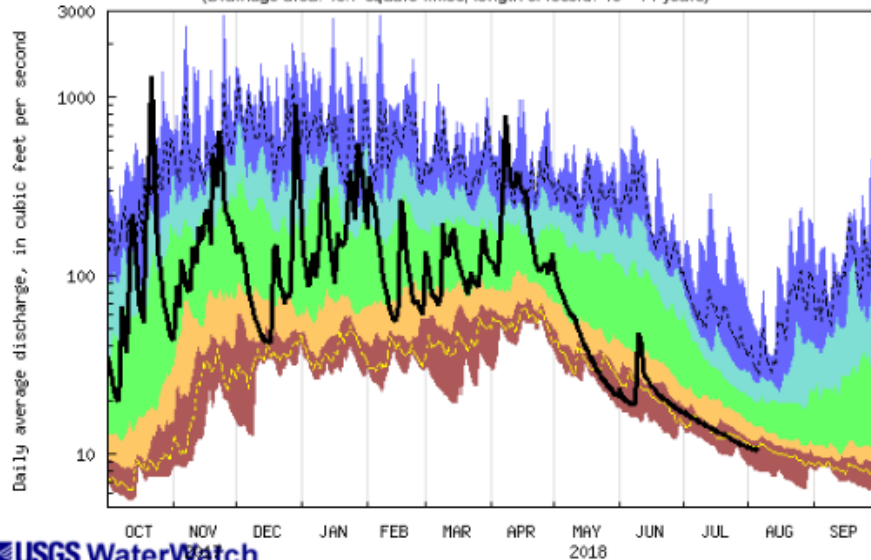


Explanation - Percentile classes

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



USGS 14138600 SOUTH FORK BULL RUN RIVER NEAR BULL RUN, OR  
(Drainage area: 15.7 square miles, length of record: 43 - 44 years)



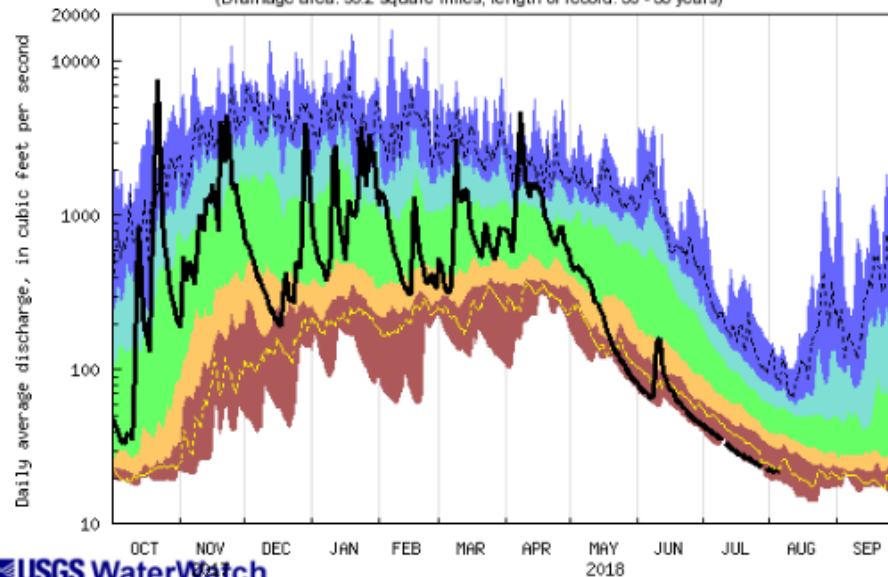
USGS WaterWatch

Last updated: 2018-08-06

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

USGS 14186900 QUARTZVILLE CREEK NEAR CASCADIA, OR  
(Drainage area: 99.2 square miles, length of record: 53 - 55 years)



USGS WaterWatch

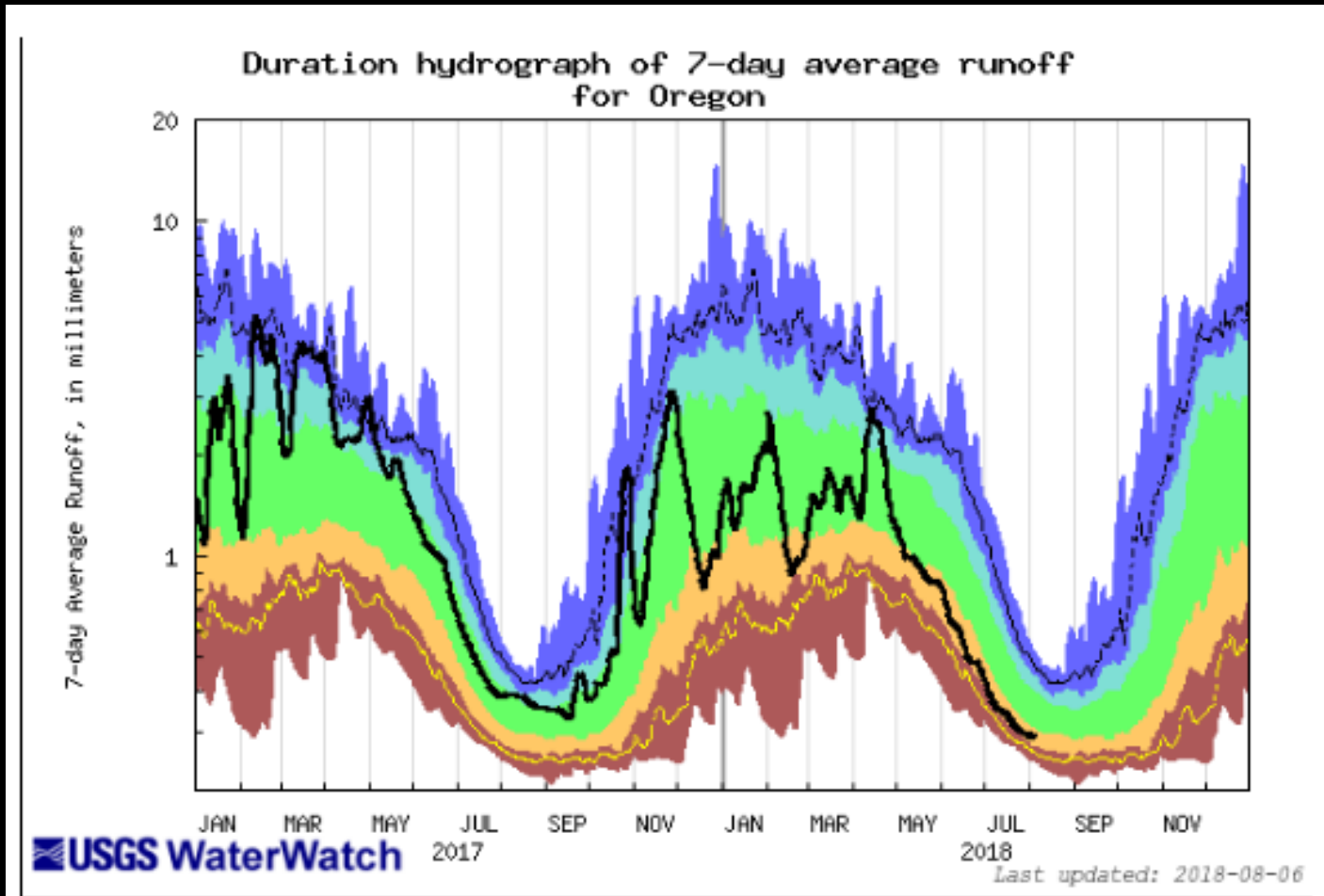
Last updated: 2018-08-06





[https://waterwatch.usgs.gov/index.php?id=ww\\_annual\\_summary](https://waterwatch.usgs.gov/index.php?id=ww_annual_summary)

[https://or.water.usgs.gov/data\\_dir/war\\_dir/](https://or.water.usgs.gov/data_dir/war_dir/)



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		Runoff





14158500 McKenzie River at Outlet of Clear Lake, OR (October 2017)



Power Point "USGS Update on Surface Water Conditions"

By: Carrie Boudreau & Marc Stewart USGS ORWSC

Water Availability Report By: Tiffany Rae Jacklin USGS ORWSC

# RECLAMATION

*Managing Water in the West*

**Oregon Water Supply Availability  
Committee Meeting  
August 7, 2018**

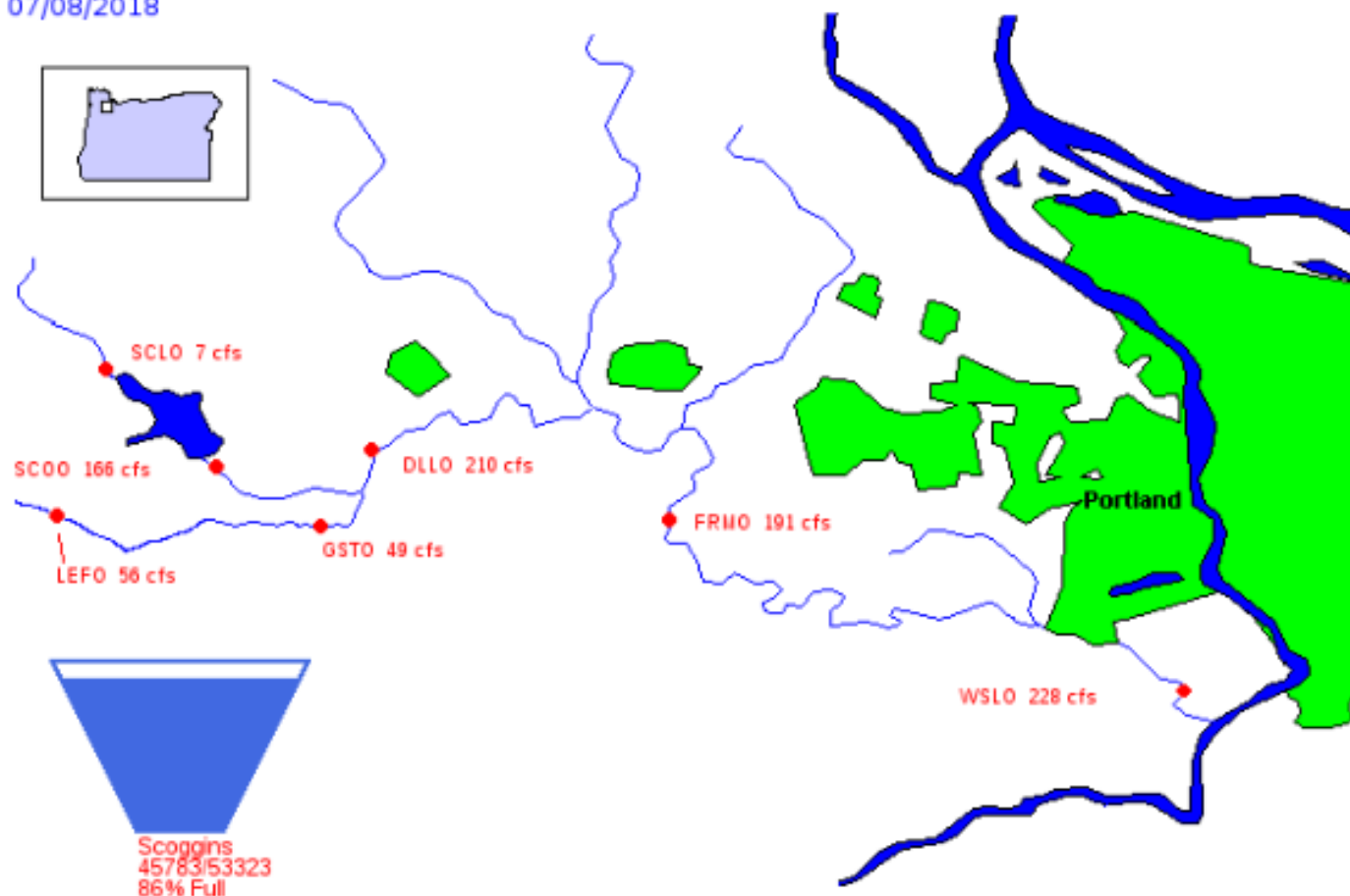
**Peter Cooper  
PN Region RRO**



U.S. Department of the Interior  
Bureau of Reclamation

# Bureau of Reclamation, Pacific Northwest Region Tualatin River Basin Storage and Flow Diagram

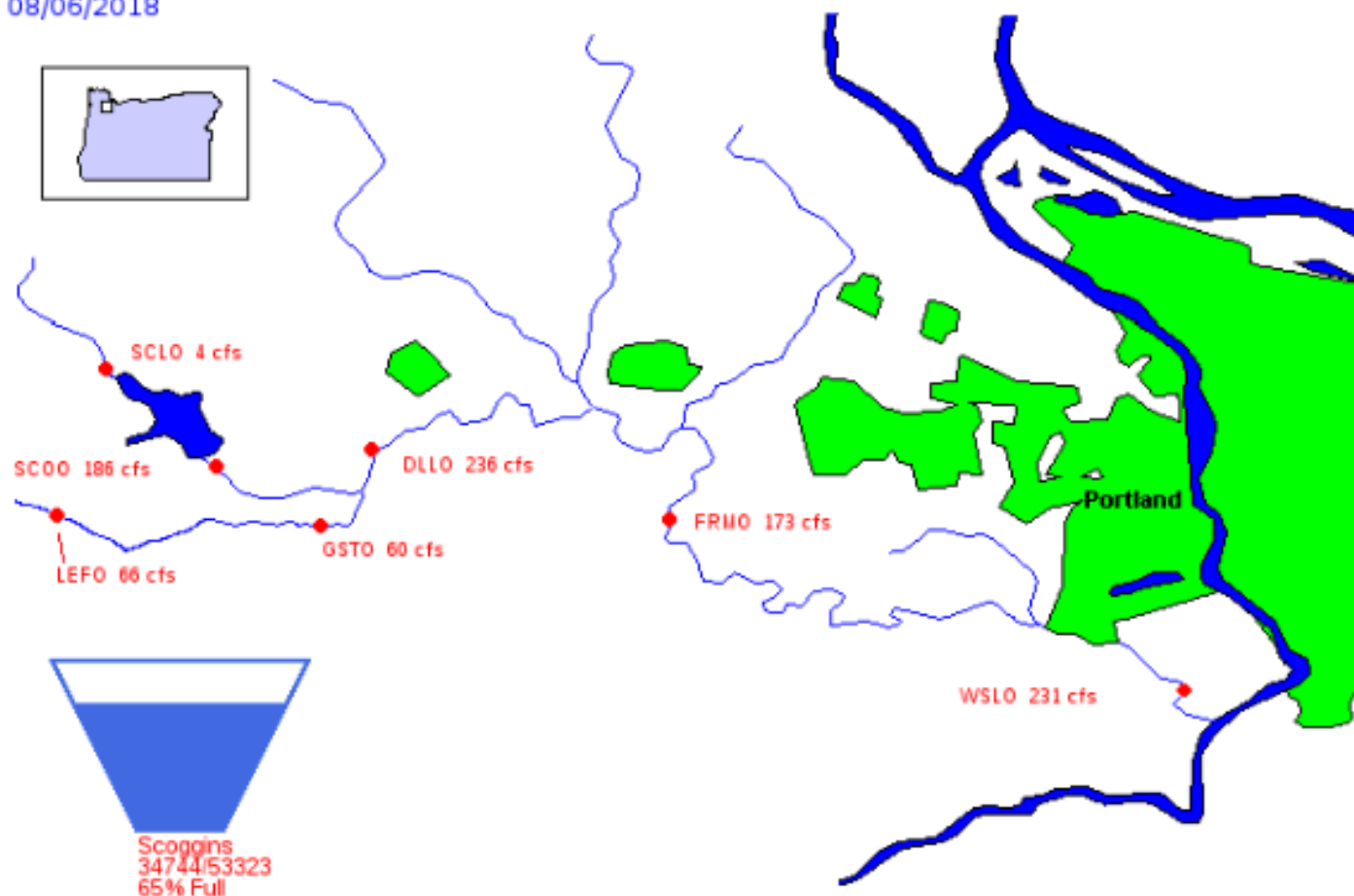
07/08/2018



# RECLAMATION

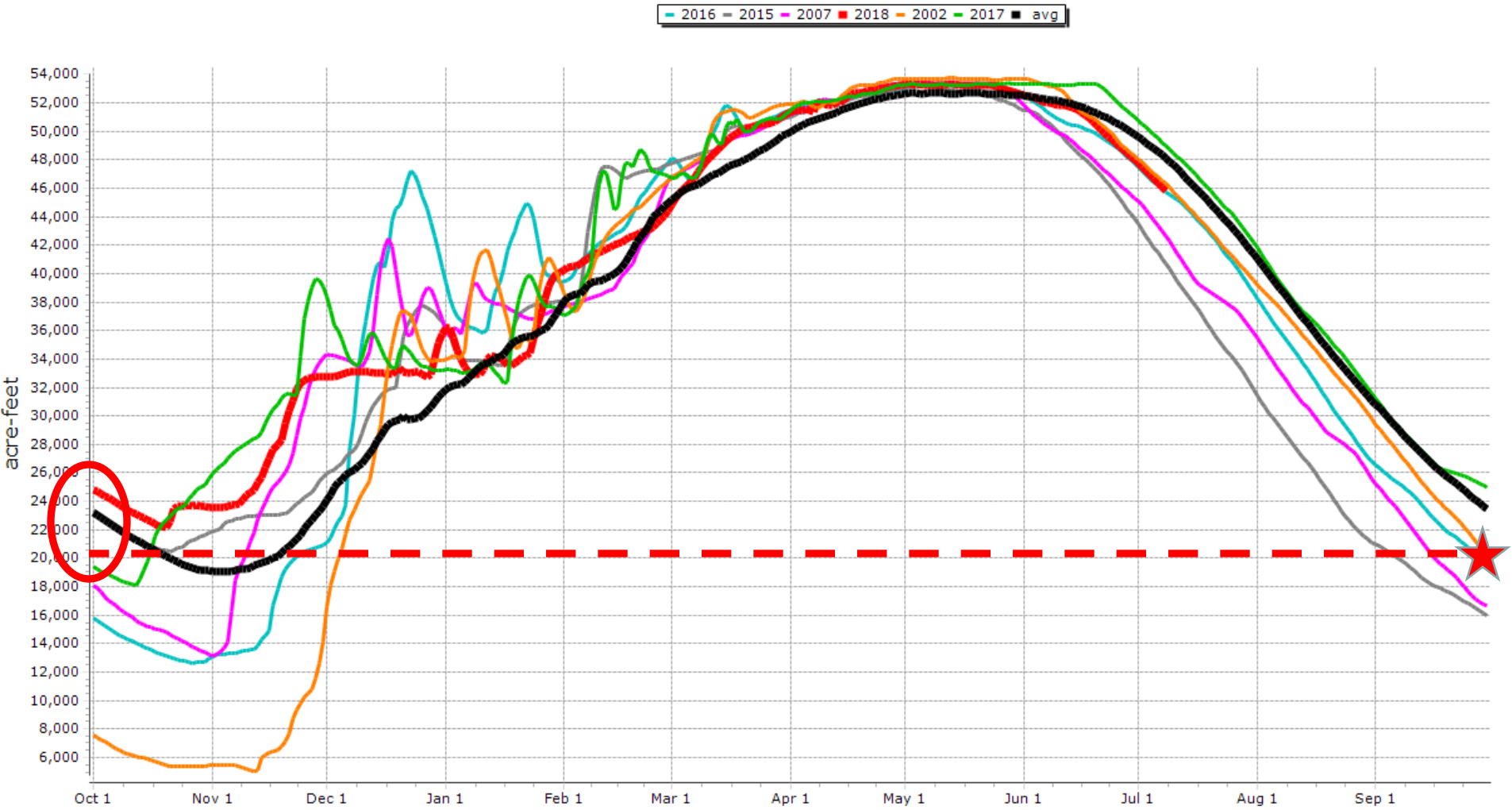
# Bureau of Reclamation, Pacific Northwest Region Tualatin River Basin Storage and Flow Diagram

08/06/2018



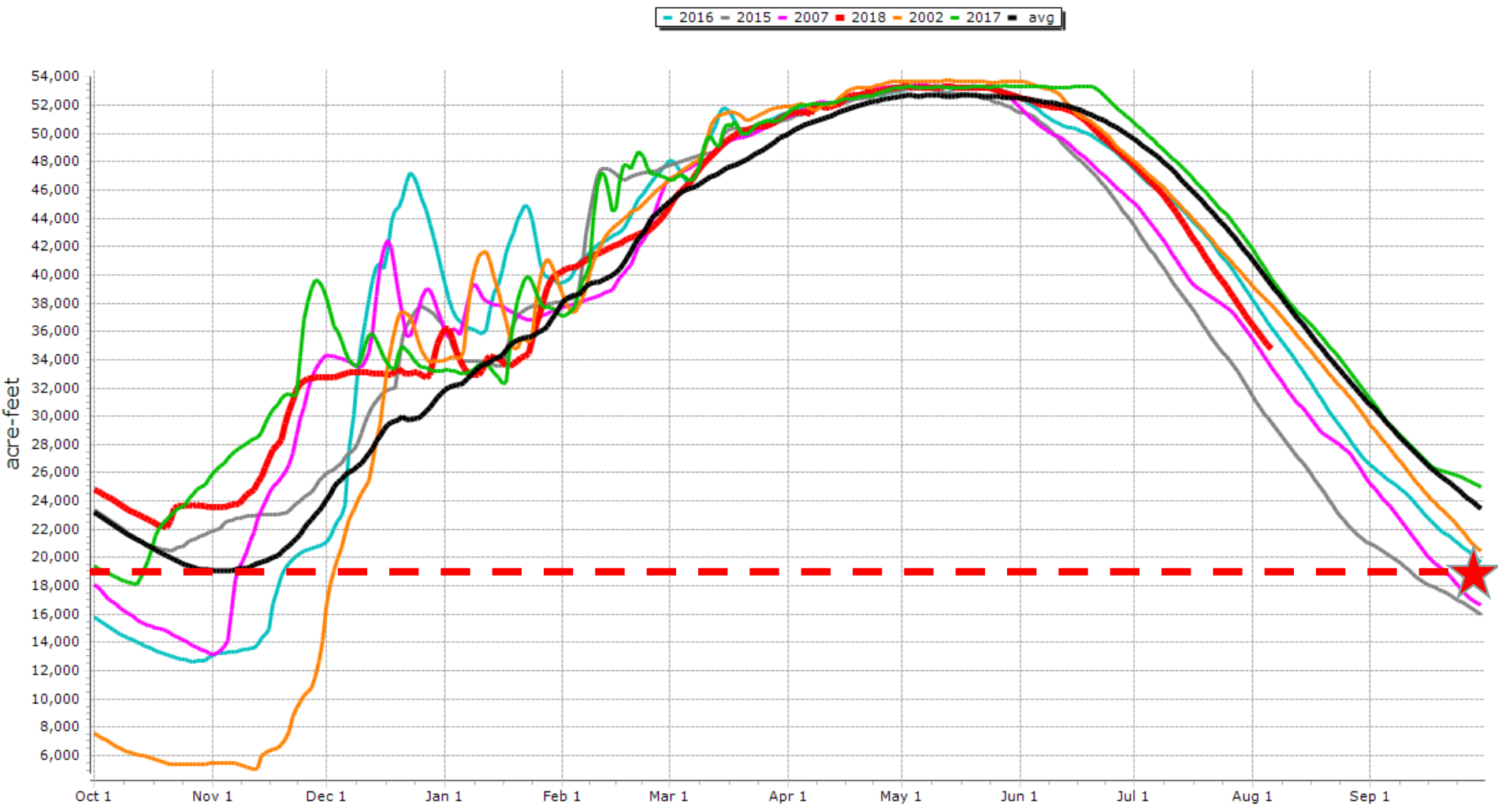
# RECLAMATION

Scoggins Dam & Henry Hagg Lake nr Forest Grove, OR Elevation:200.0000



RECLAMATION

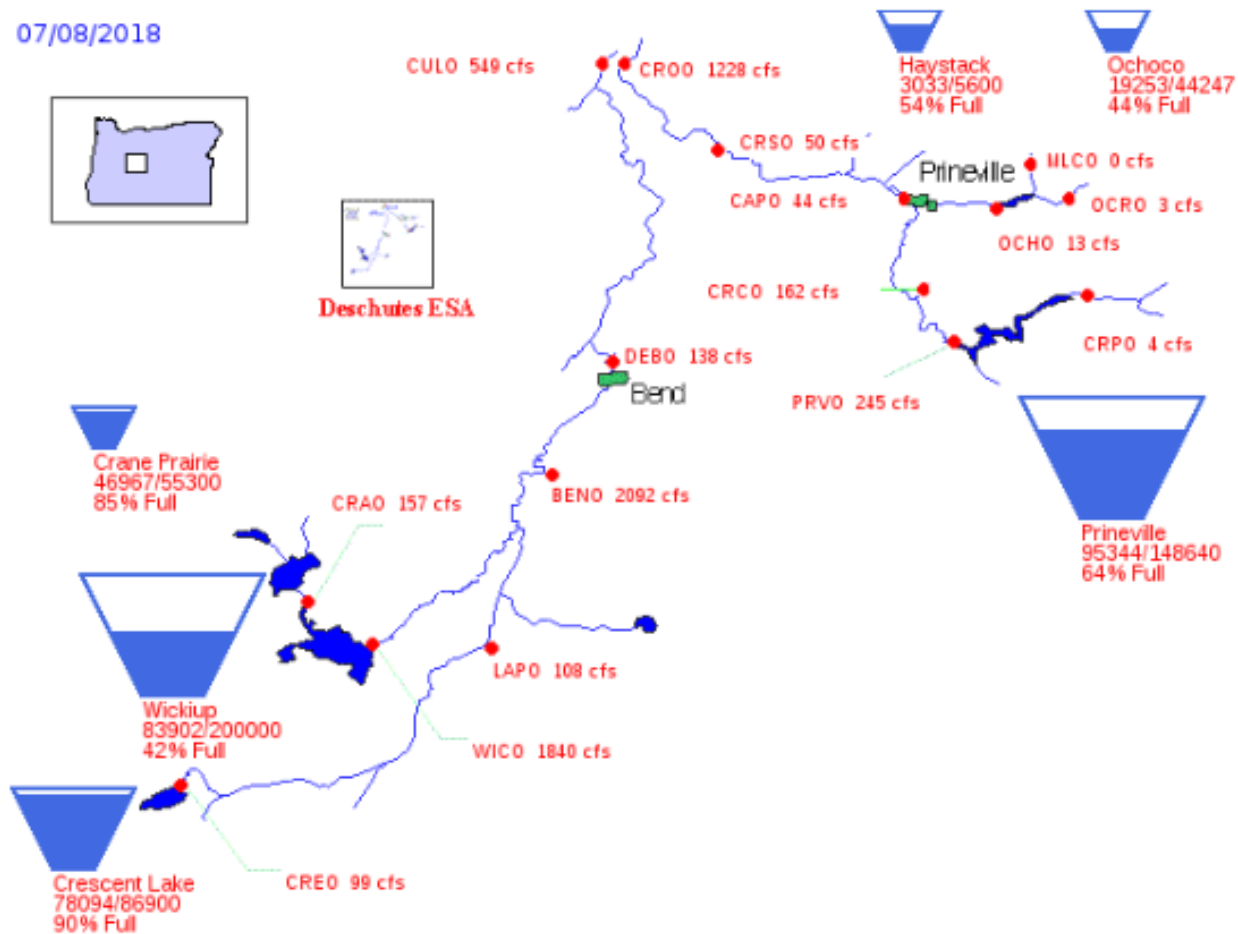
Scoggins Dam & Henry Hagg Lake nr Forest Grove, OR Elevation:200.0000



RECLAMATION

# US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in the Deschutes River Basin

07/08/2018

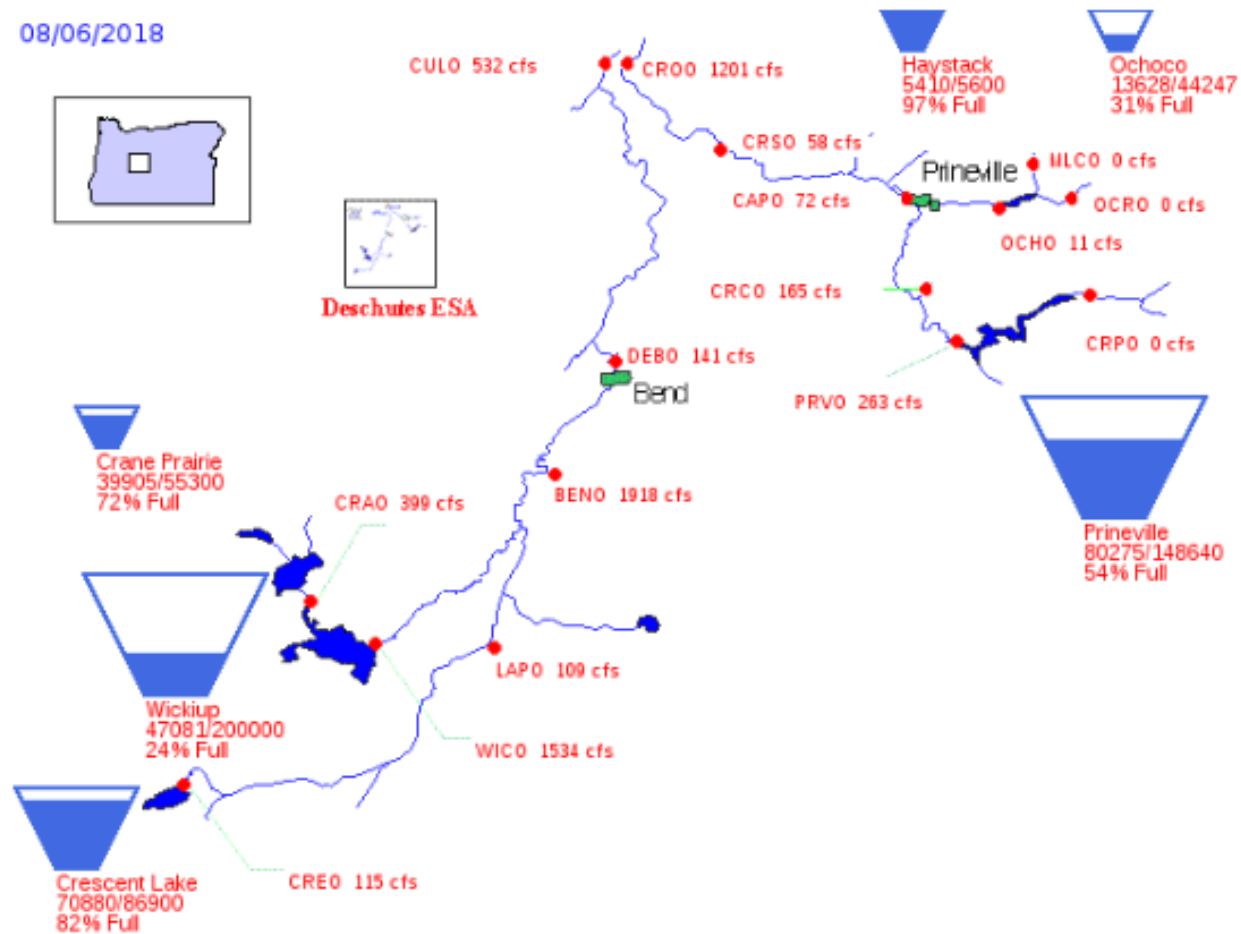


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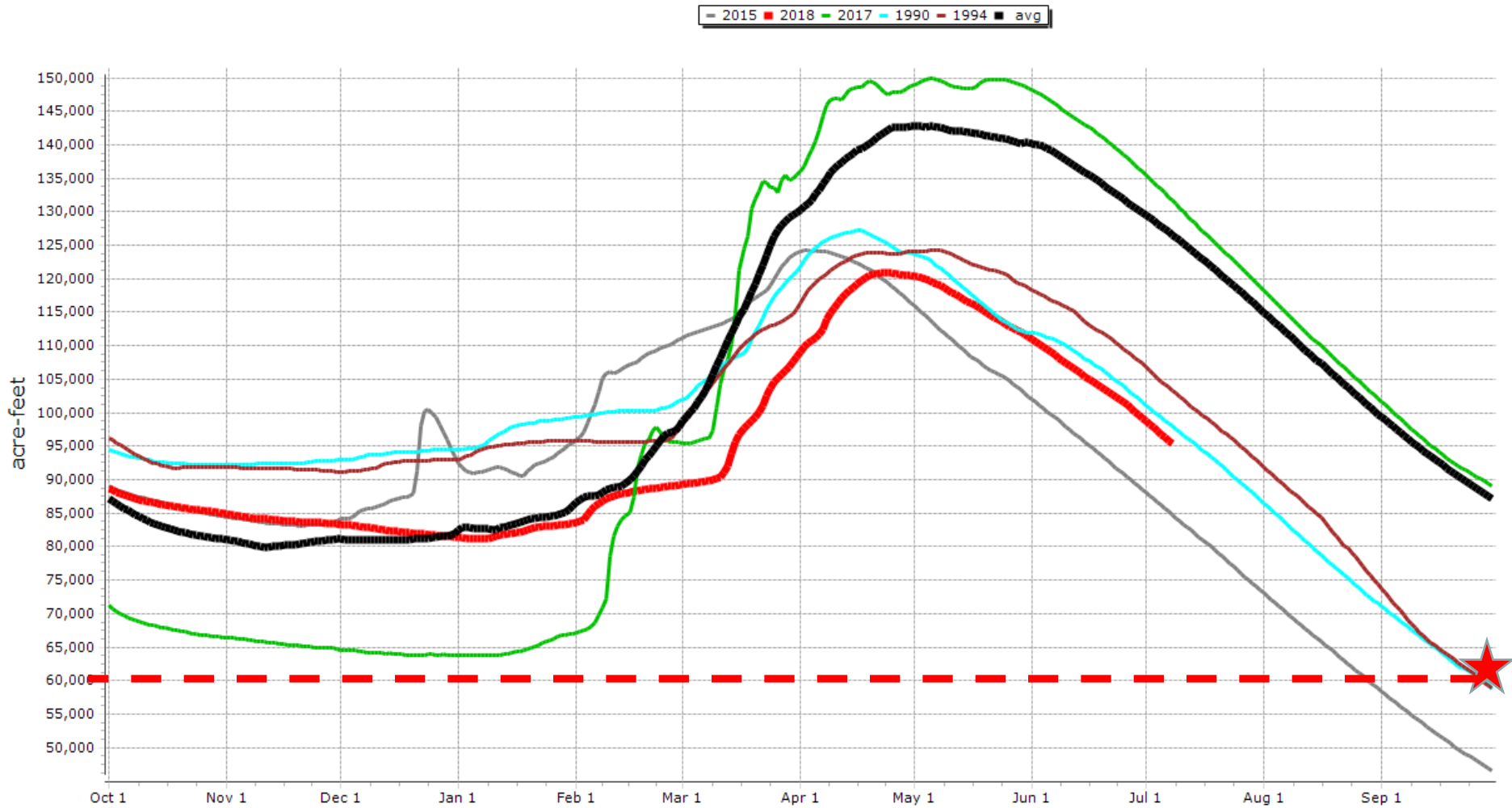
# US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in the Deschutes River Basin

08/06/2018



# RECLAMATION

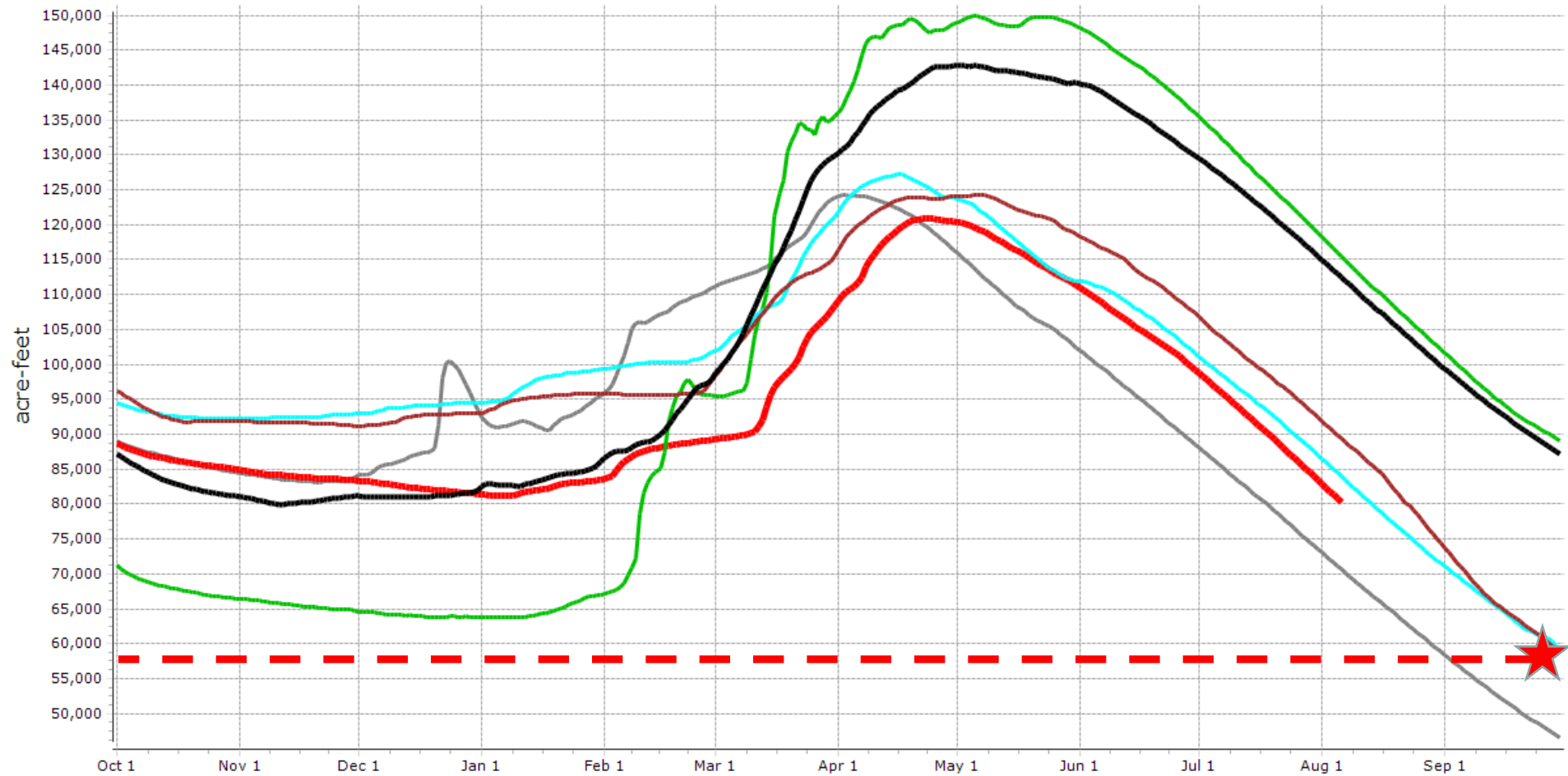
Prineville Reservoir nr Prineville, OR Elevation:3264.000



RECLAMATION

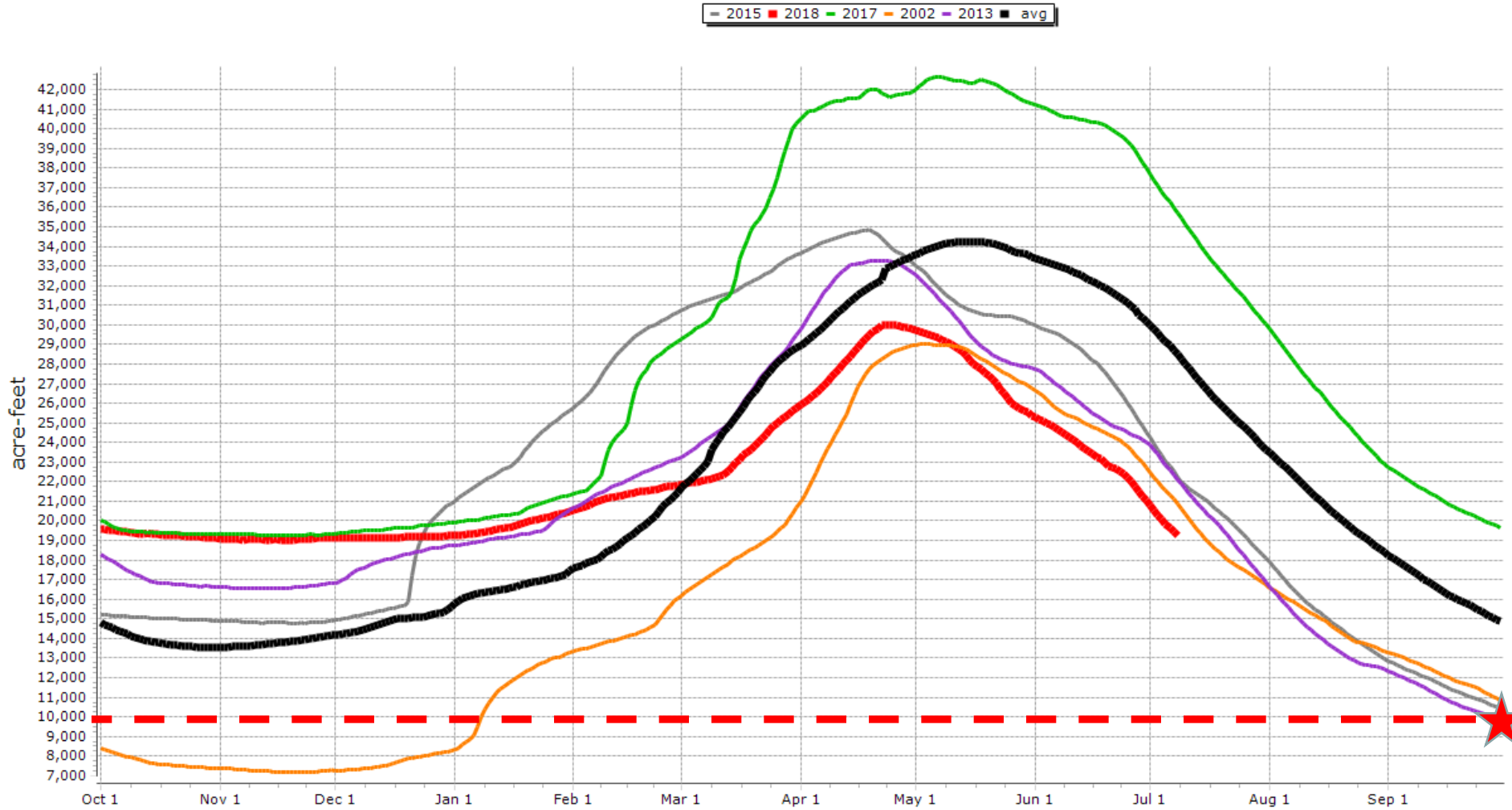
Prineville Reservoir nr Prineville, OR Elevation:3264.000

2015 2018 2017 1990 1994 avg



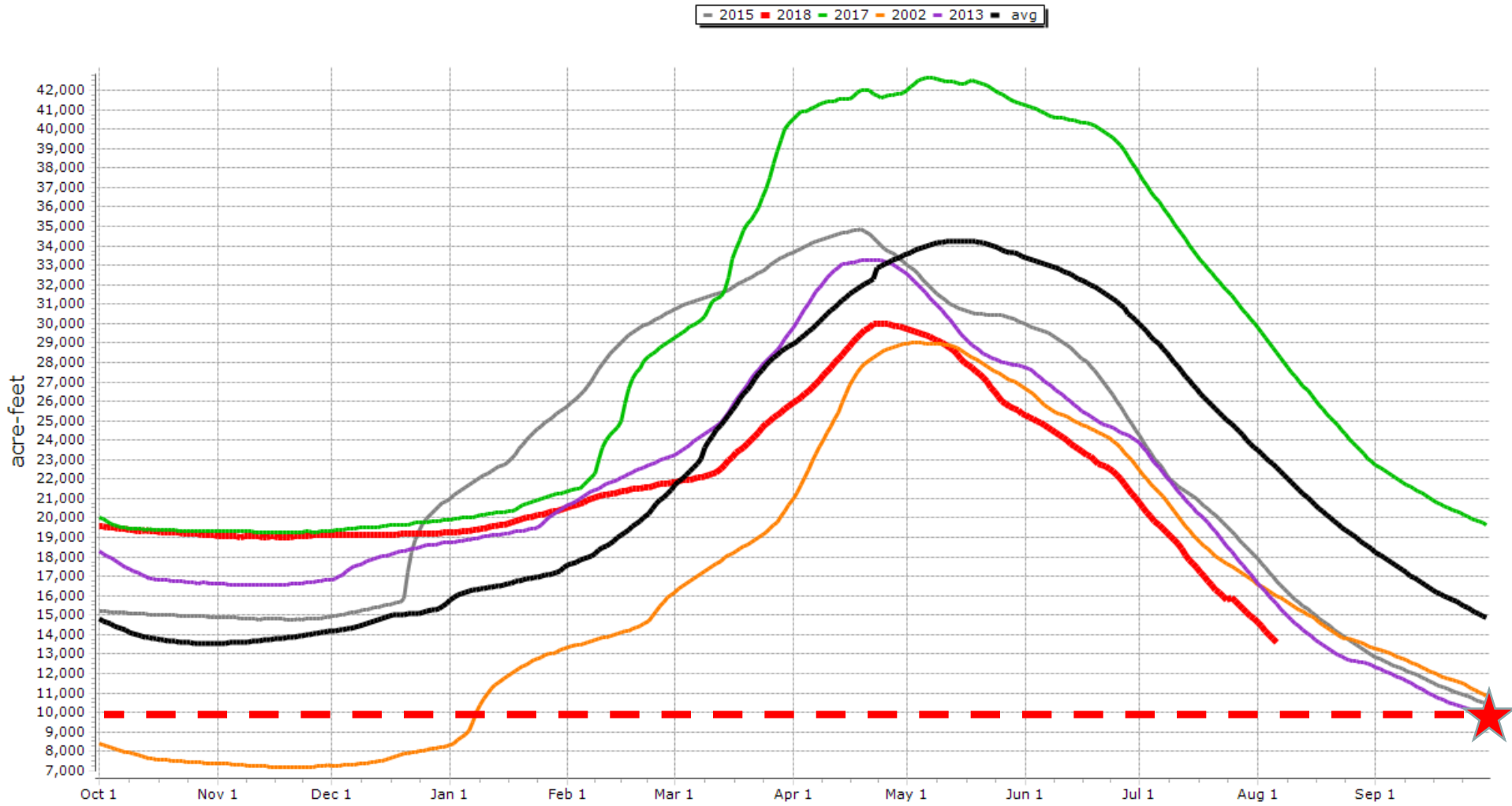
RECLAMATION

Ochoco Reservoir near Prineville, OR Elevation:3143.000



RECLAMATION

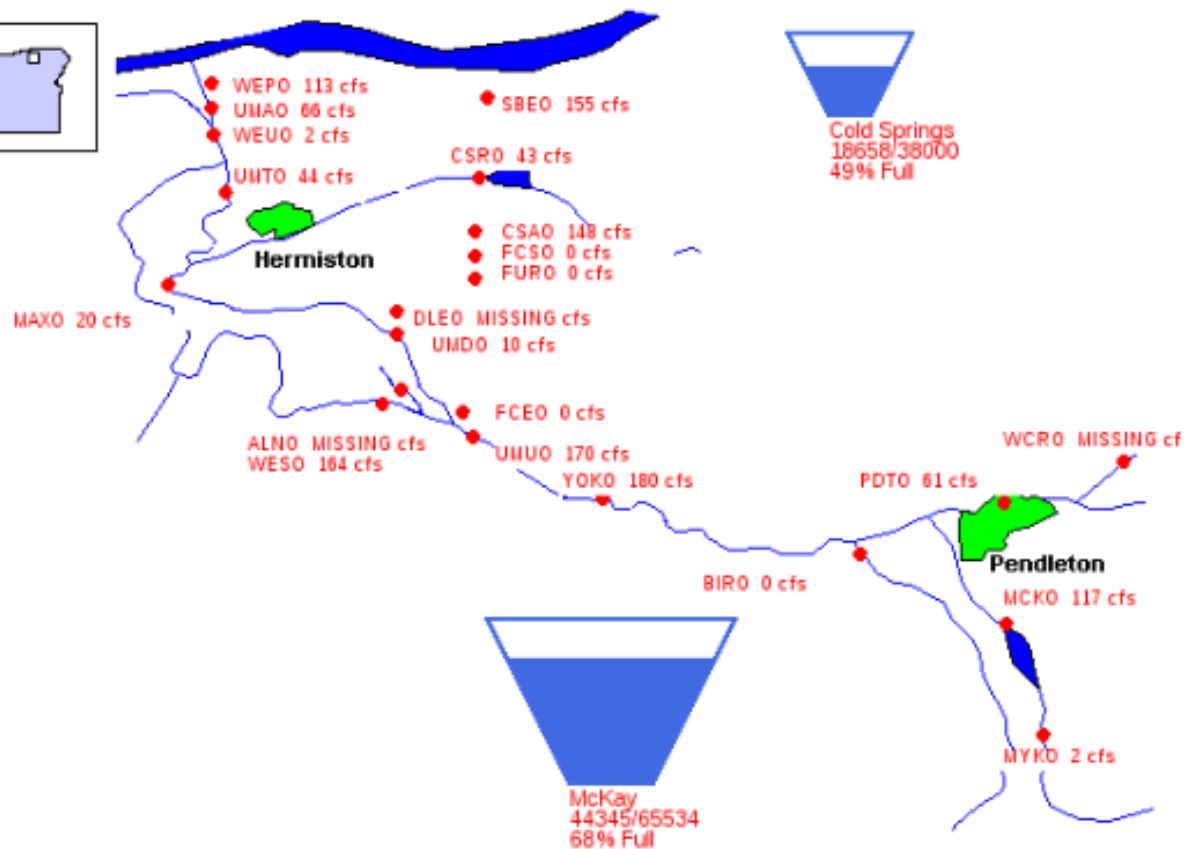
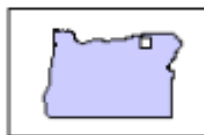
Ochoco Reservoir near Prineville, OR Elevation:3143.000



RECLAMATION

# Bureau of Reclamation, Pacific Northwest Region Umatilla River Basin Storage and Flow Diagram

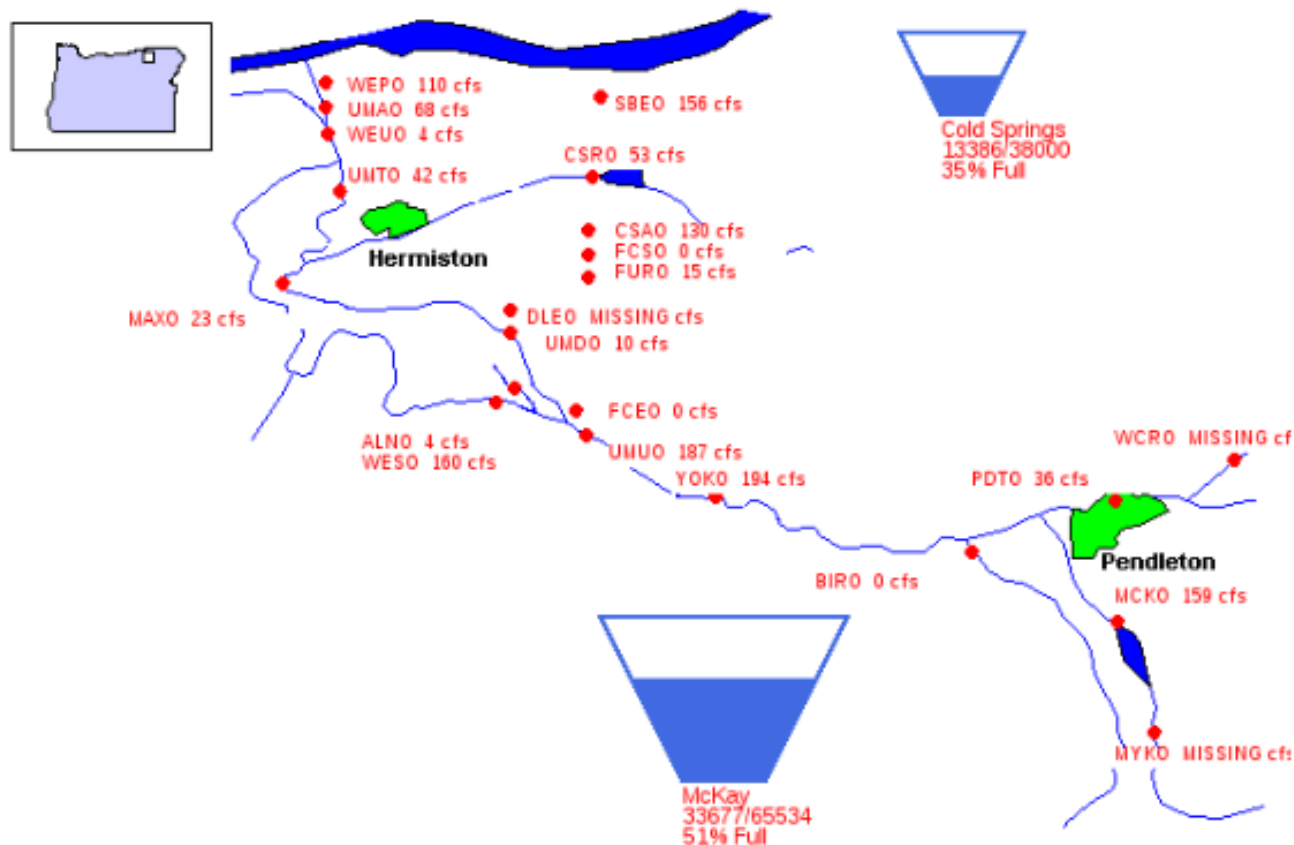
07/08/2018



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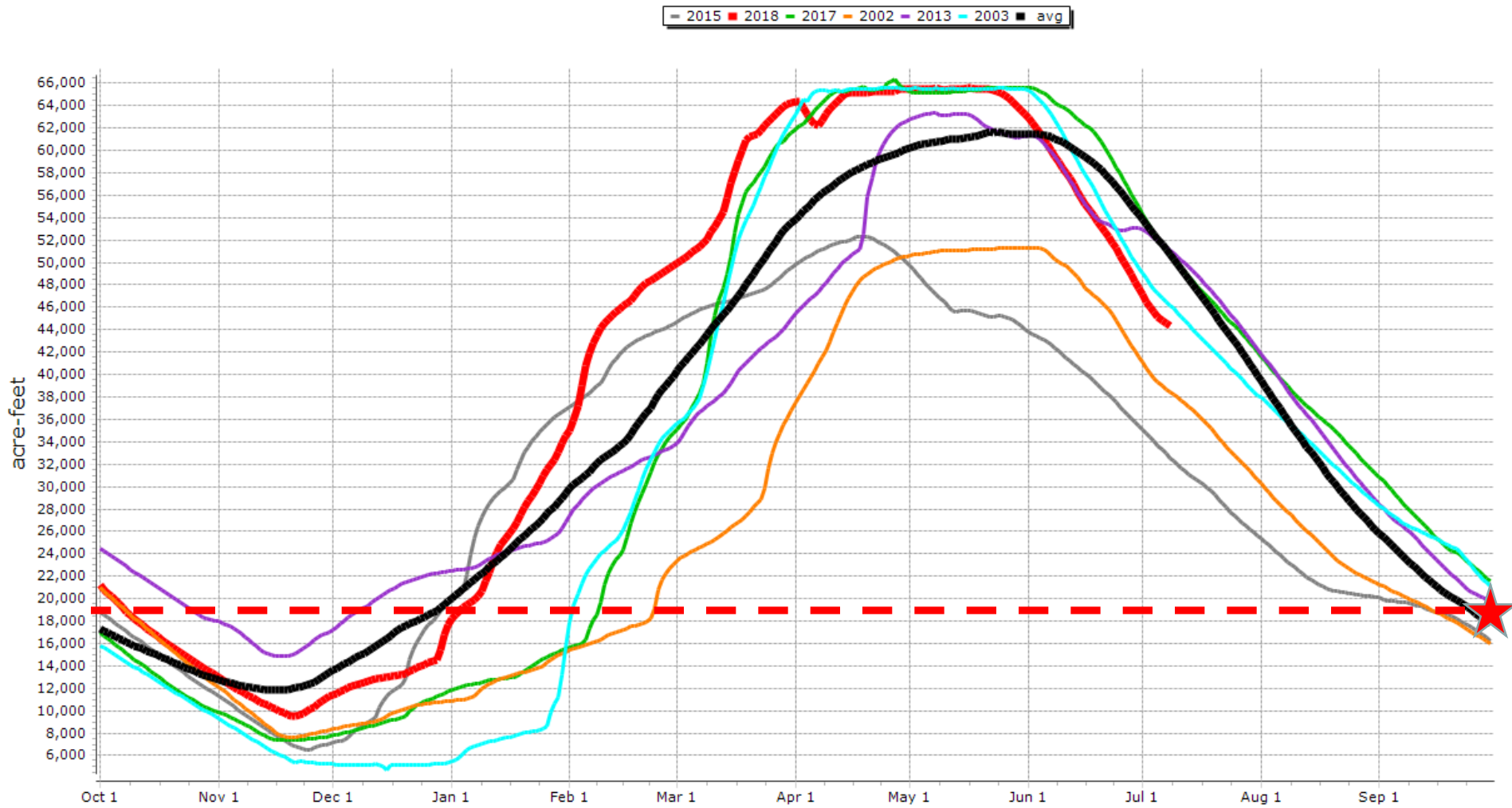
# Bureau of Reclamation, Pacific Northwest Region Umatilla River Basin Storage and Flow Diagram

08/06/2018



# RECLAMATION

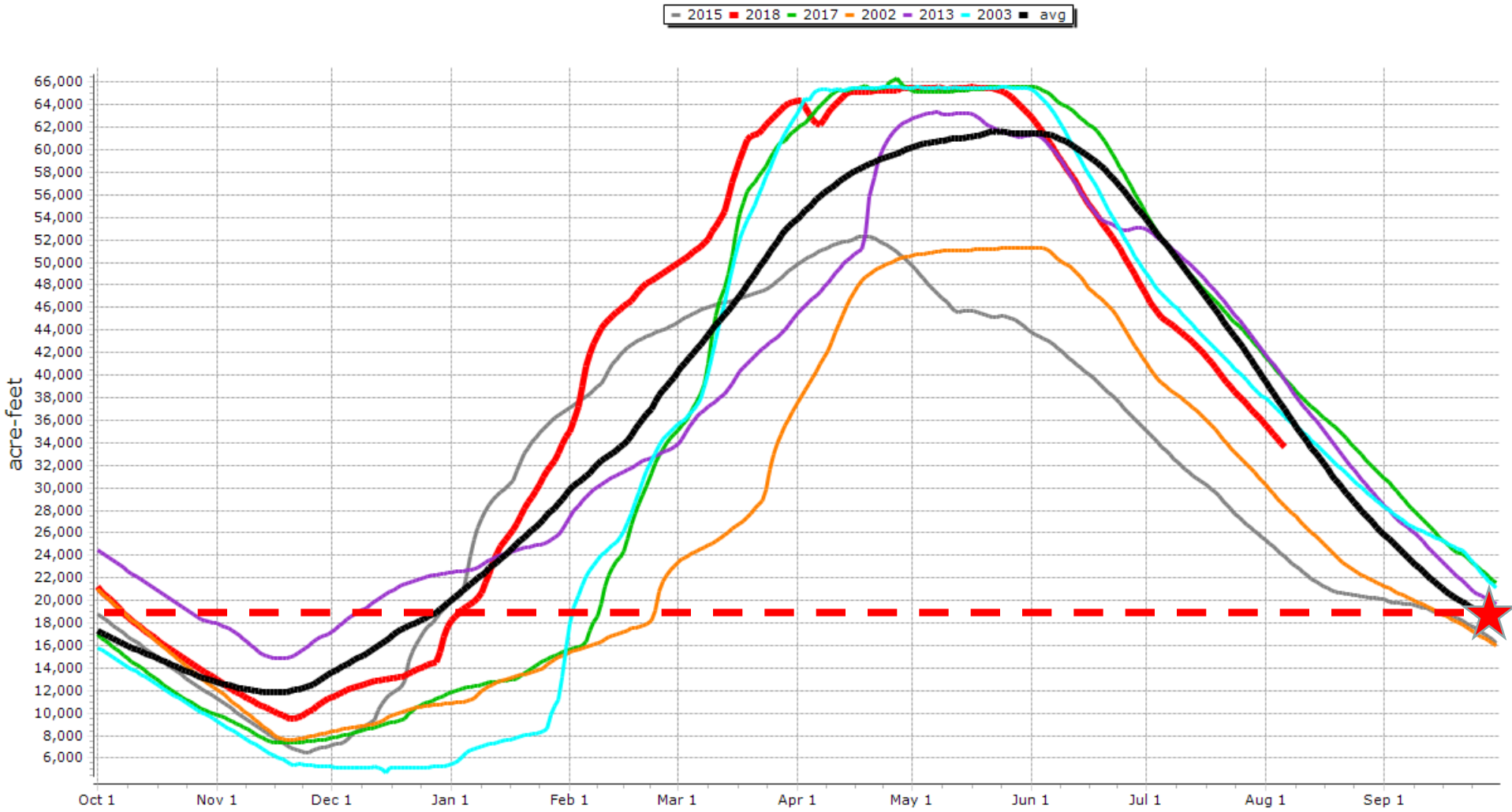
McKay Reservoir near Pendleton, OR Elevation:1333.000



RECLAMATION



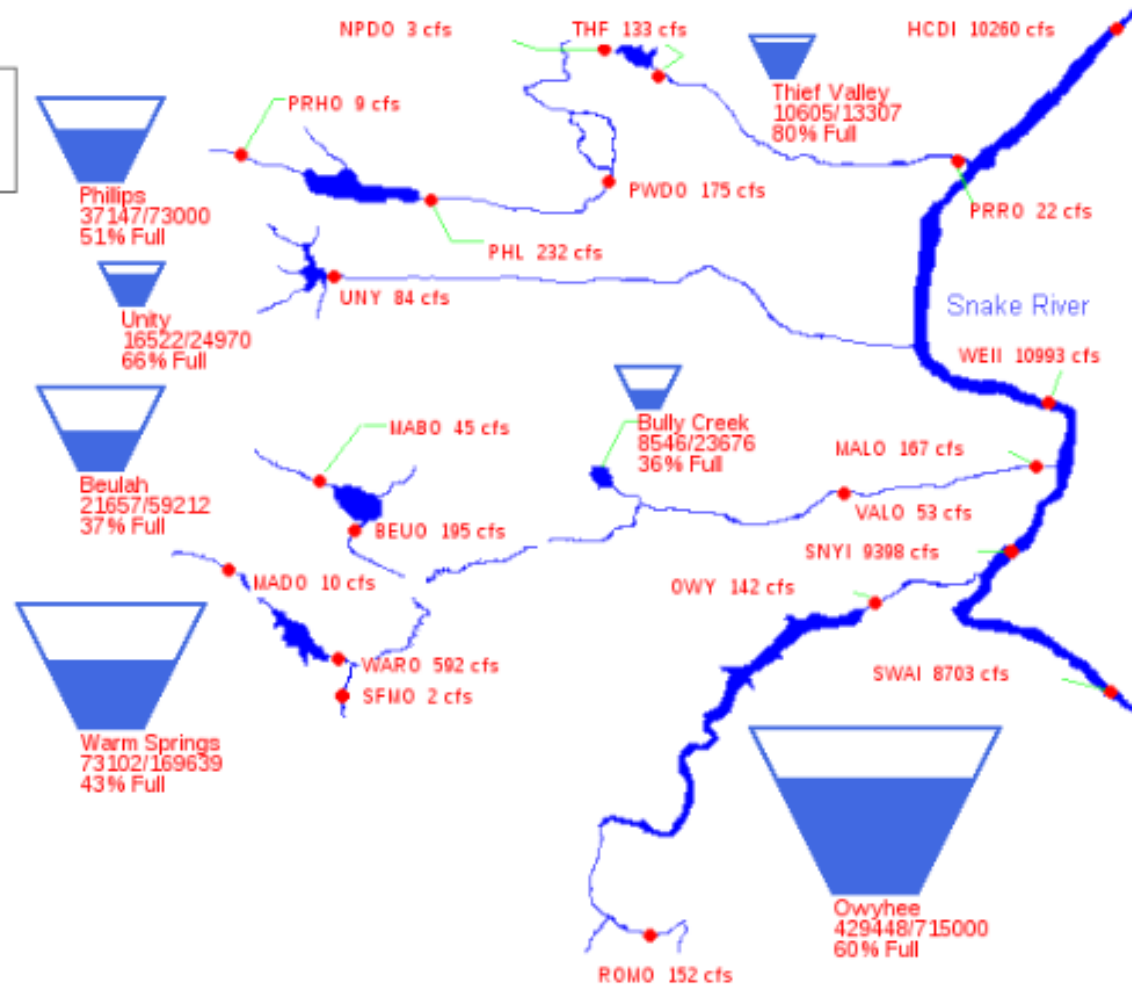
McKay Reservoir near Pendleton, OR Elevation:1333.000



RECLAMATION

# US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in Southeastern Oregon

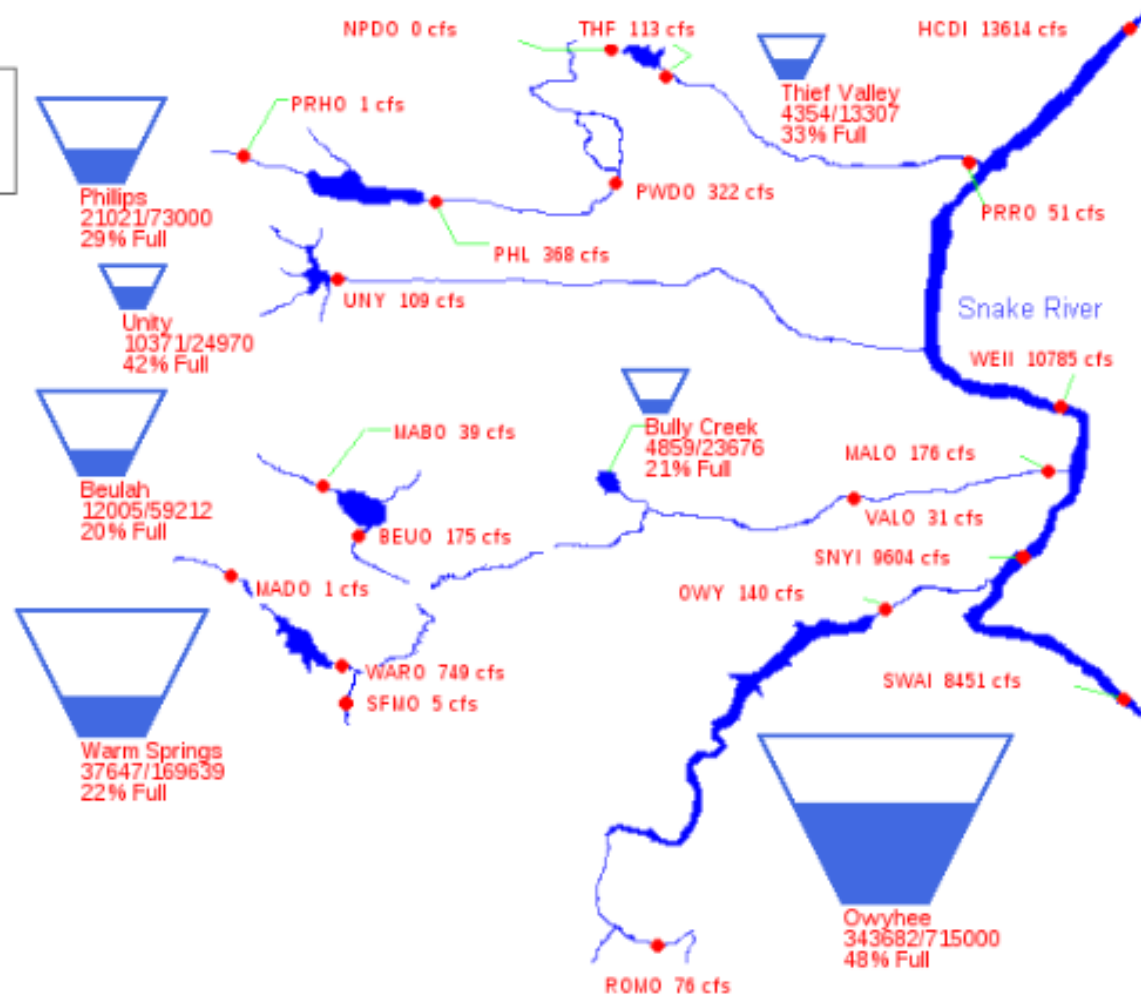
07/08/2018



# RECLAMATION

# US Bureau of Reclamation, Pacific Northwest Region Major Storage Reservoirs in Southeastern Oregon

08/06/2018



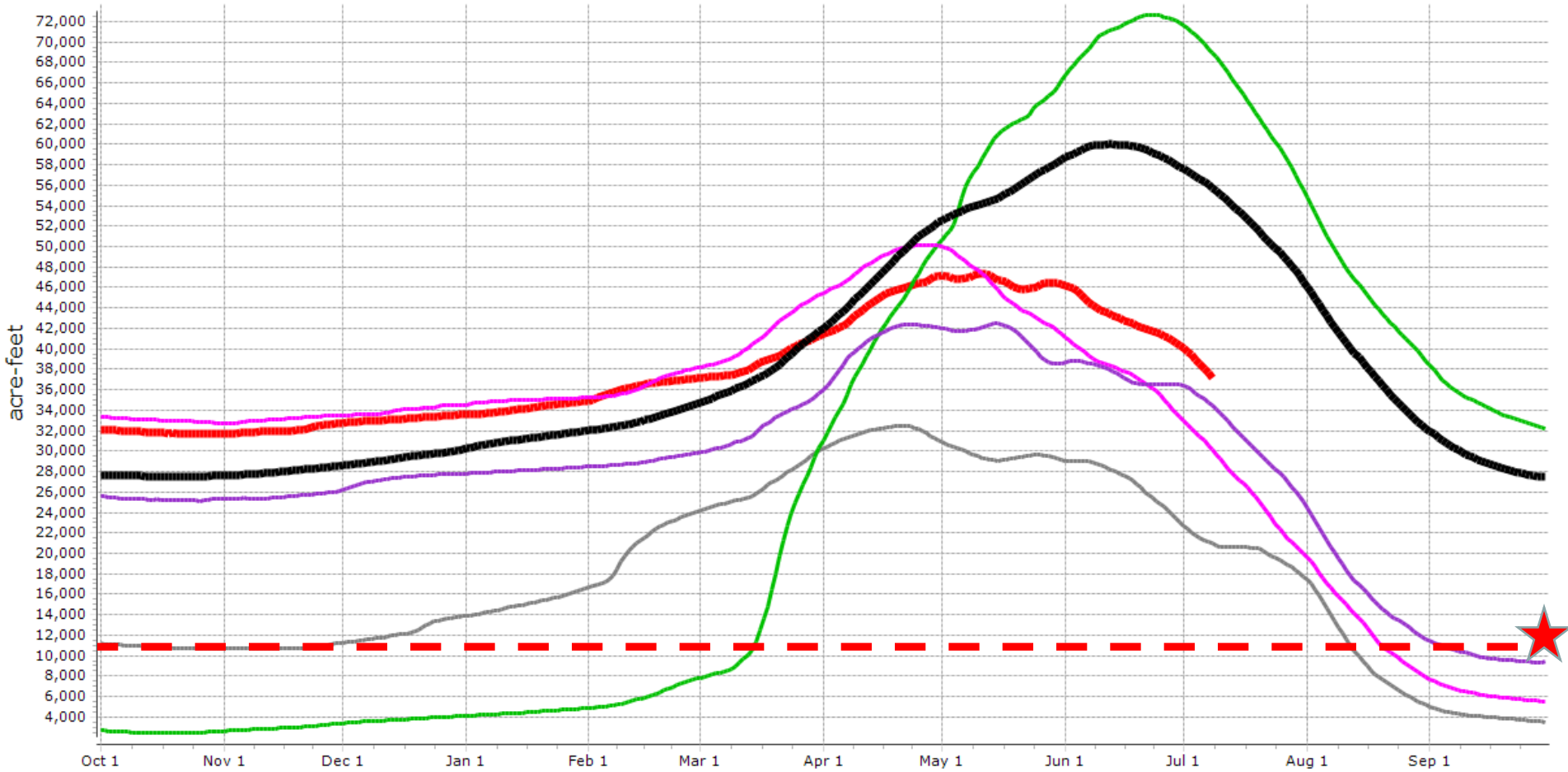
# RECLAMATION

Baker

RECLAMATION

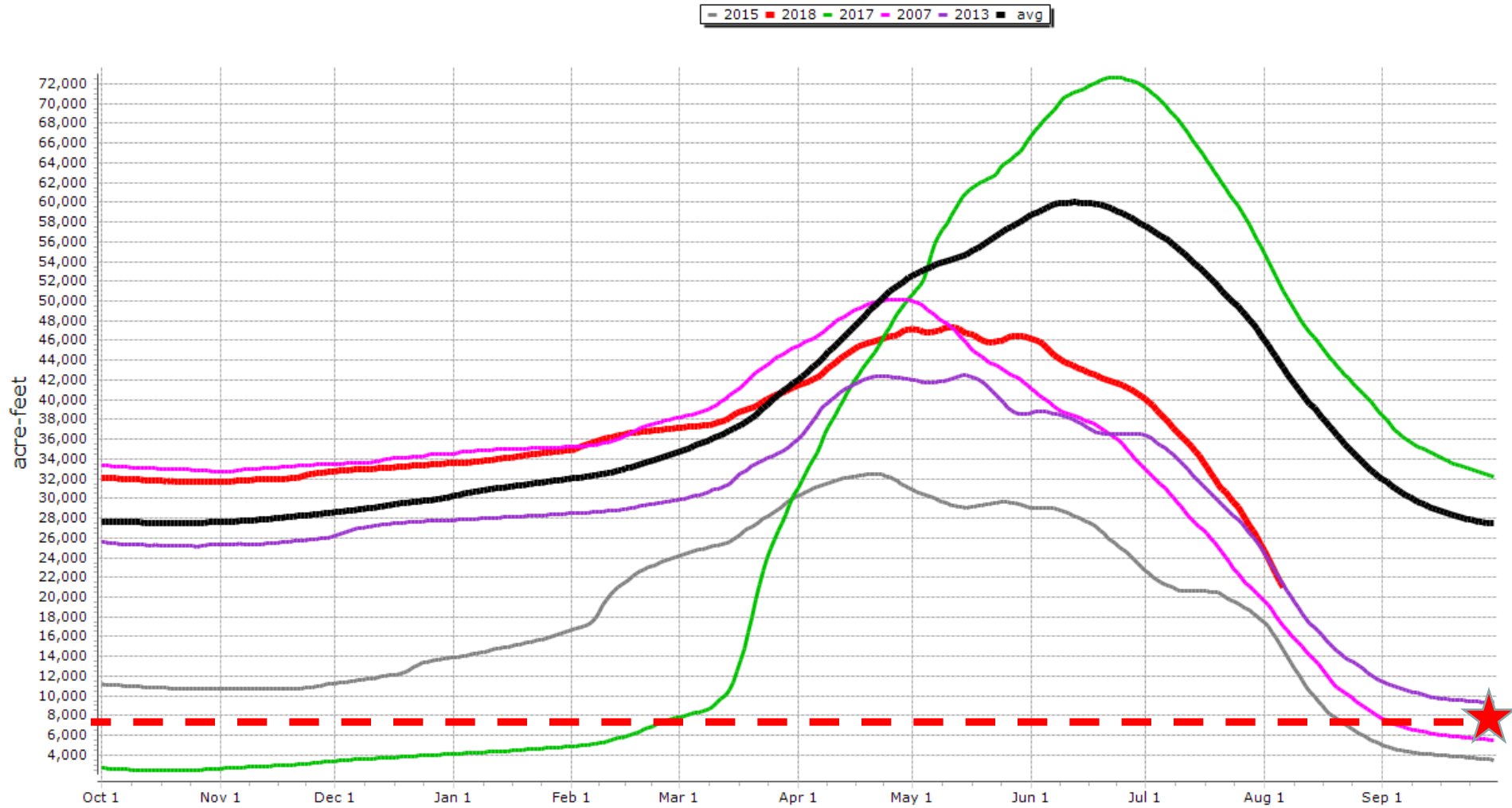
Mason Dam and Phillips Lake near Sumpter, OR Elevation:3898.000

2015 2018 2017 2007 2013 avg



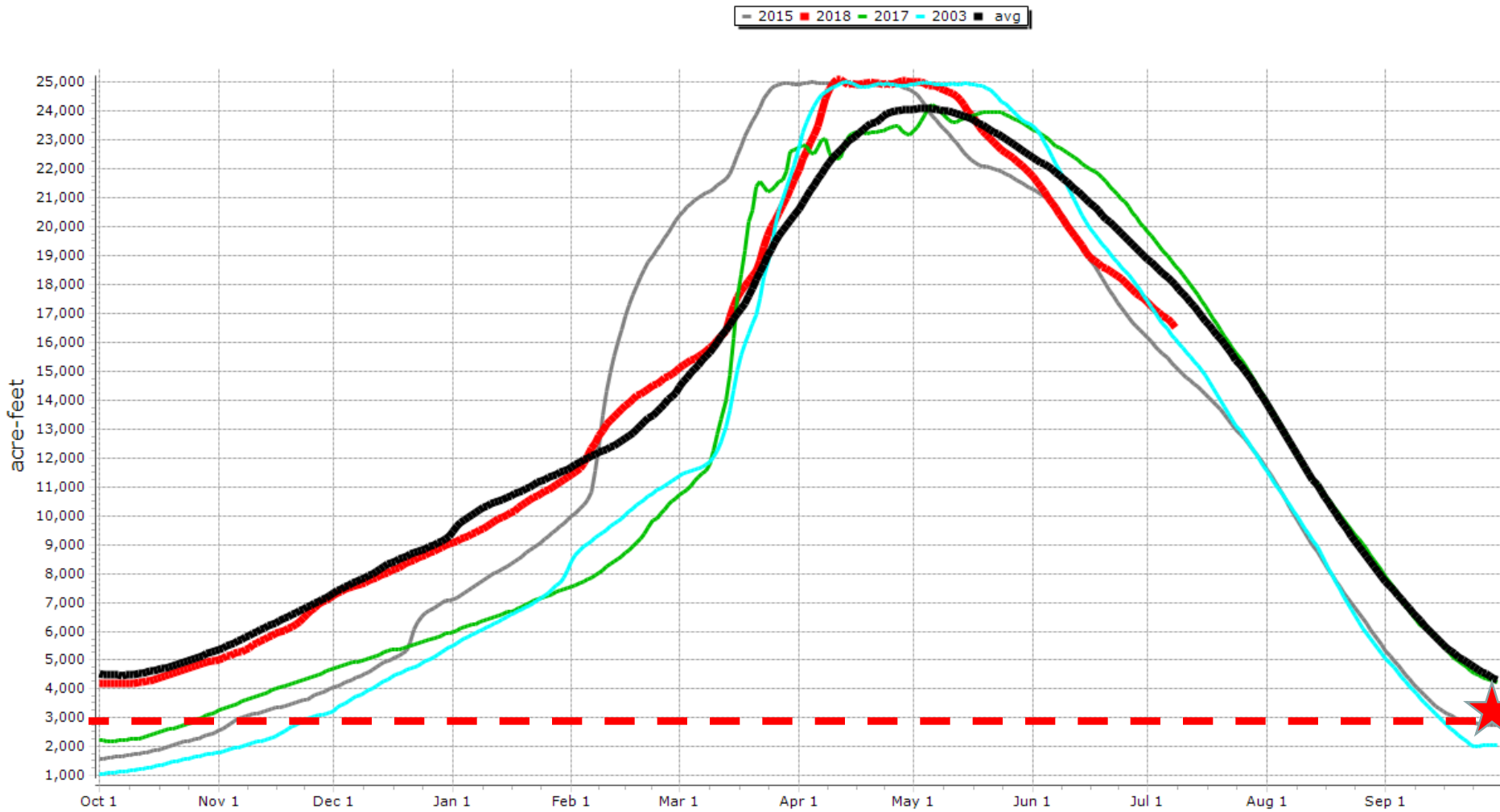
RECLAMATION

Mason Dam and Phillips Lake near Sumpter, OR Elevation:3898.000



RECLAMATION

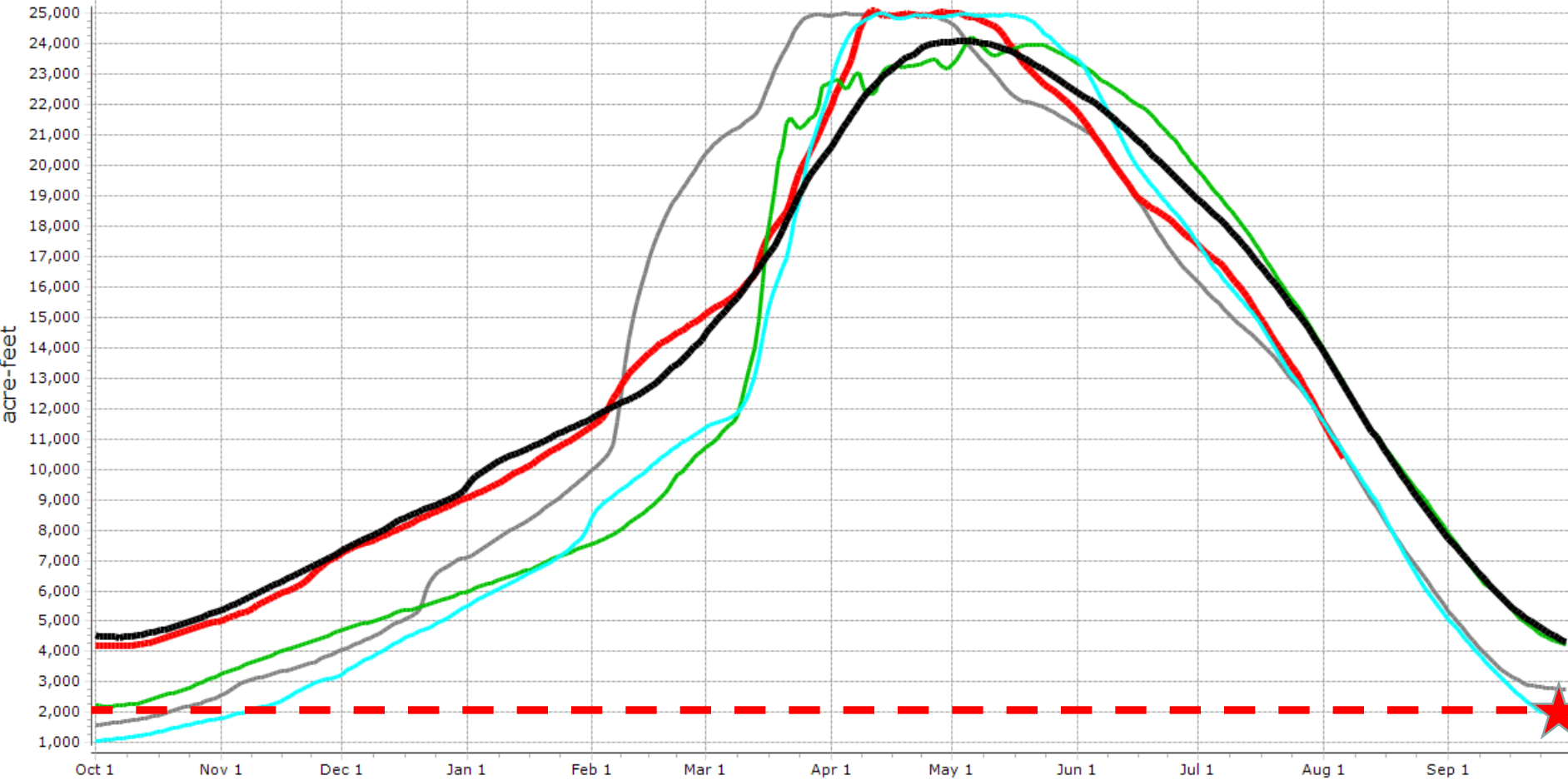
Unity Reservoir and Burnt River near Unity, Oregon Elevation:3820.000



RECLAMATION

Unity Reservoir and Burnt River near Unity, Oregon Elevation:3820.000

2015 2018 2017 2003 avg



RECLAMATION

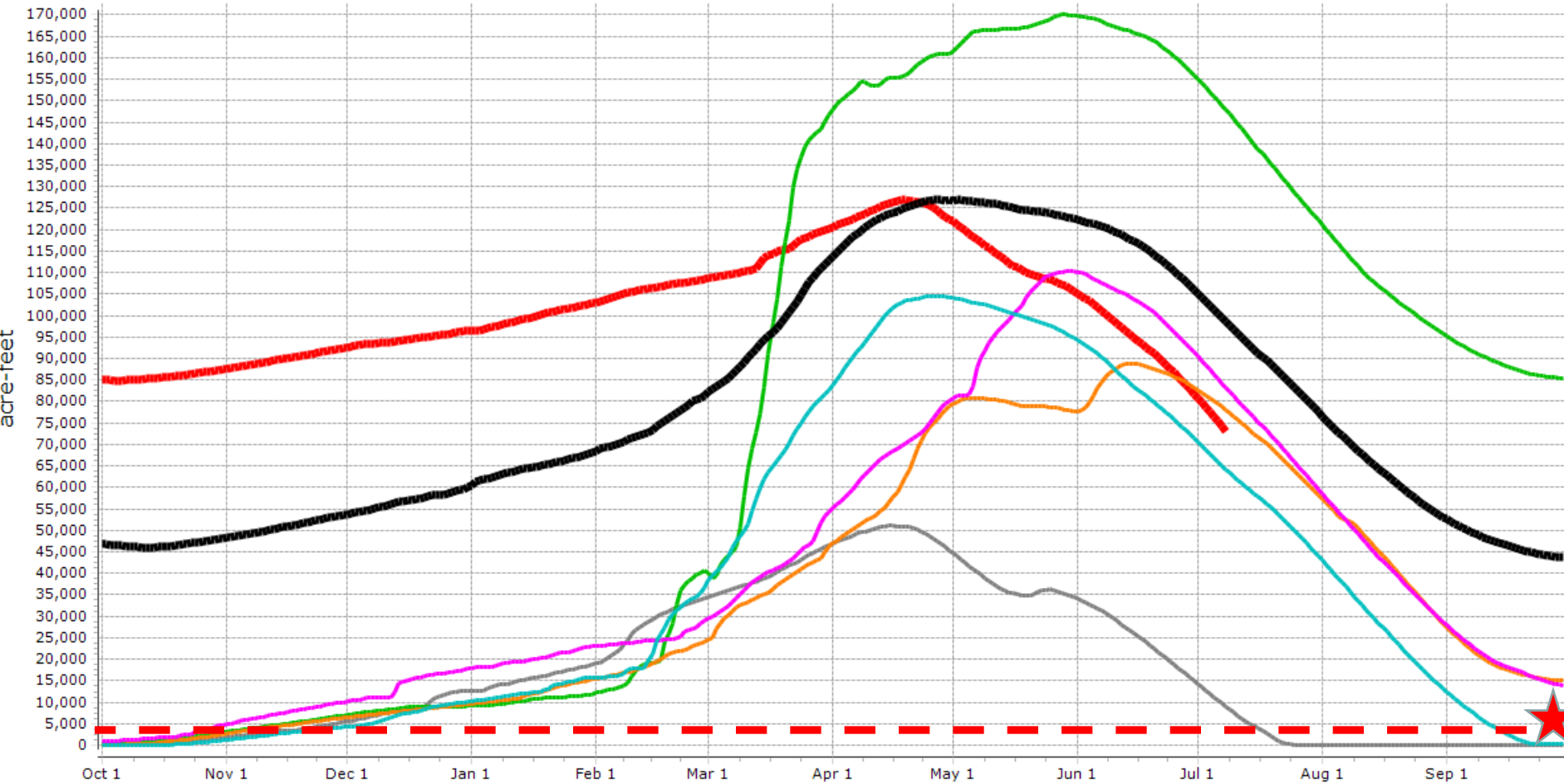


Malheur

RECLAMATION

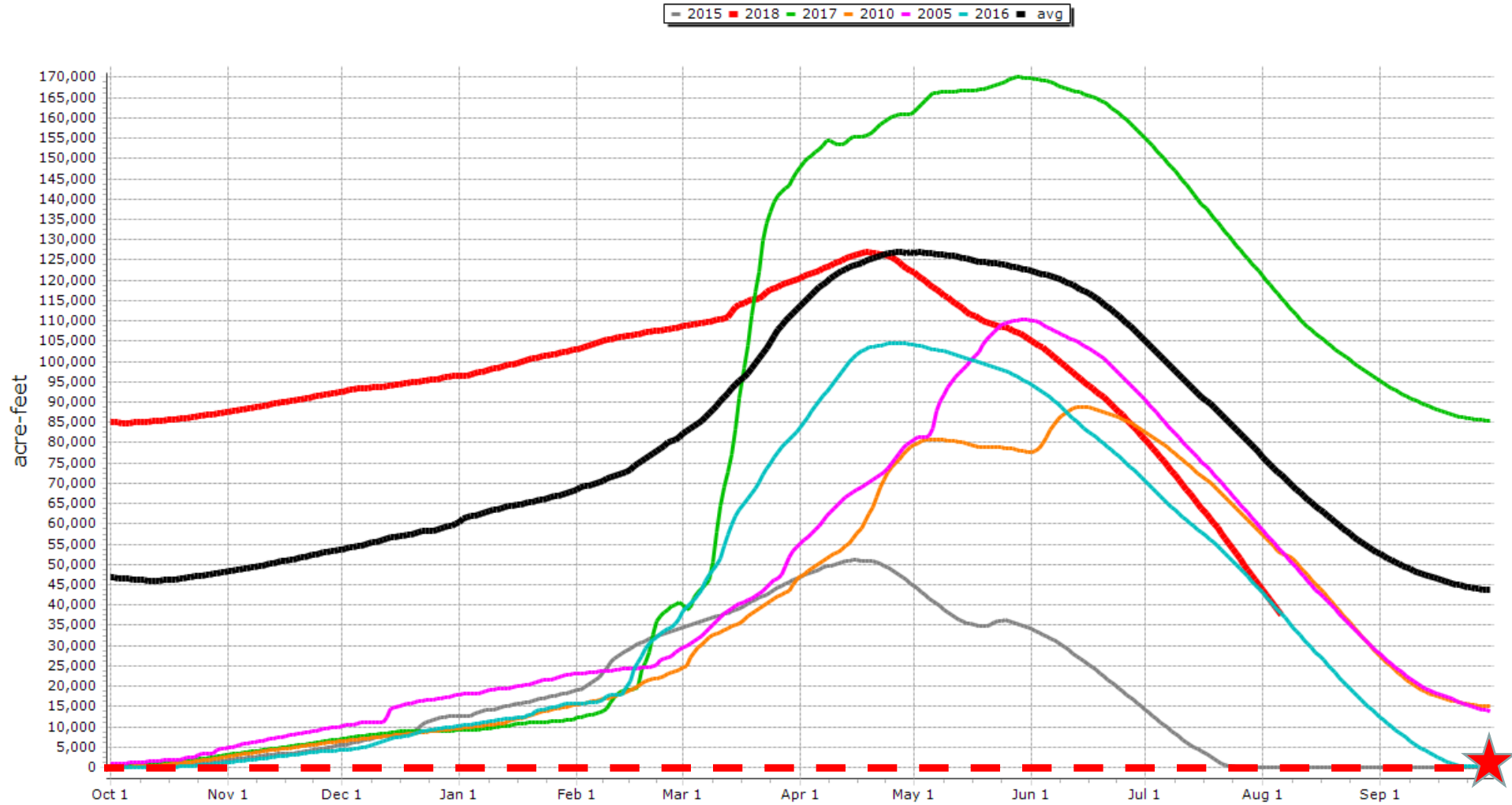
Warm Springs Dam and Reservoir nr Riverside, OR Elevation:3305.000

2015 2018 2017 2010 2005 2016 avg



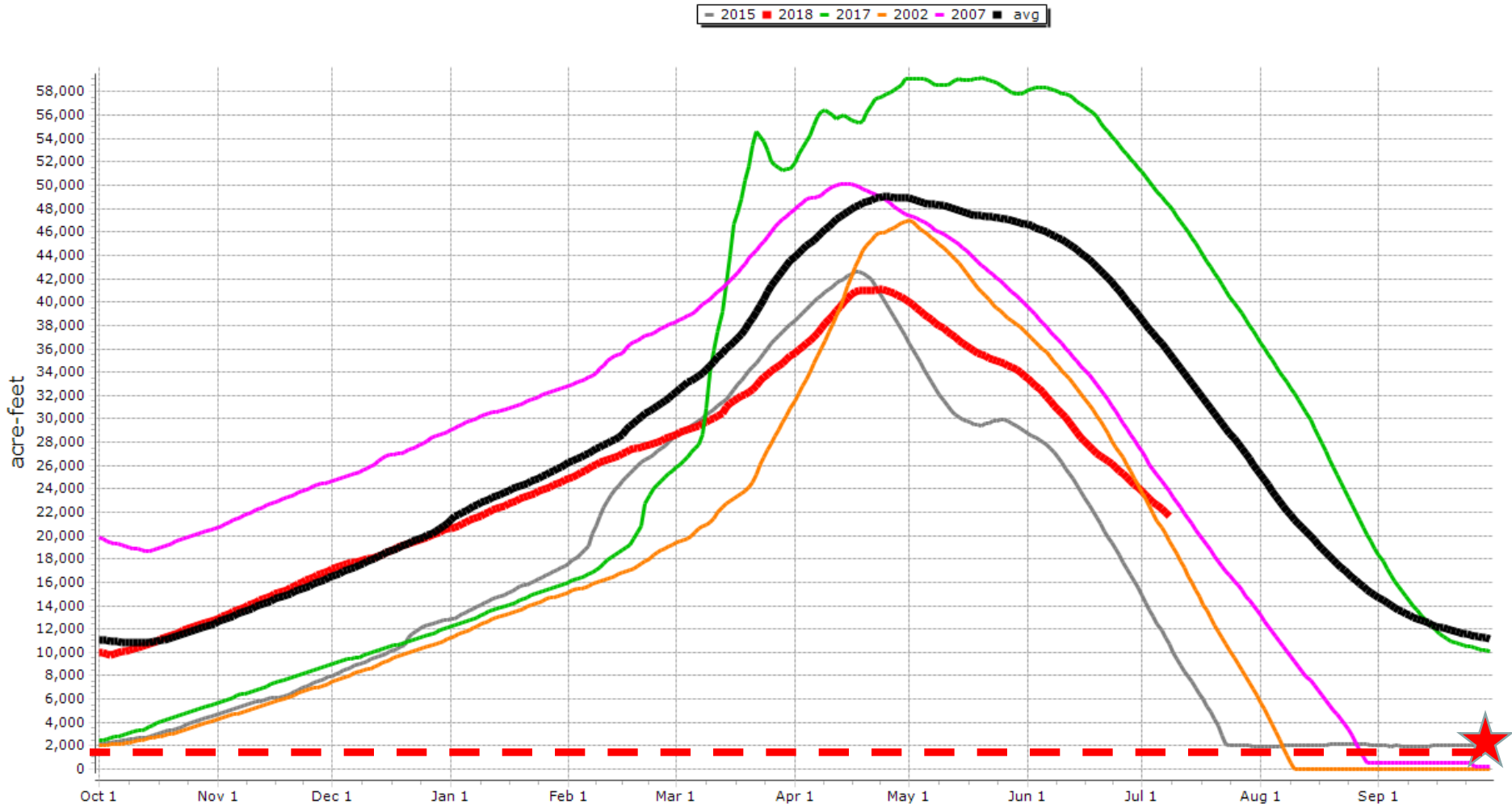
RECLAMATION

Warm Springs Dam and Reservoir nr Riverside, OR Elevation:3305.000



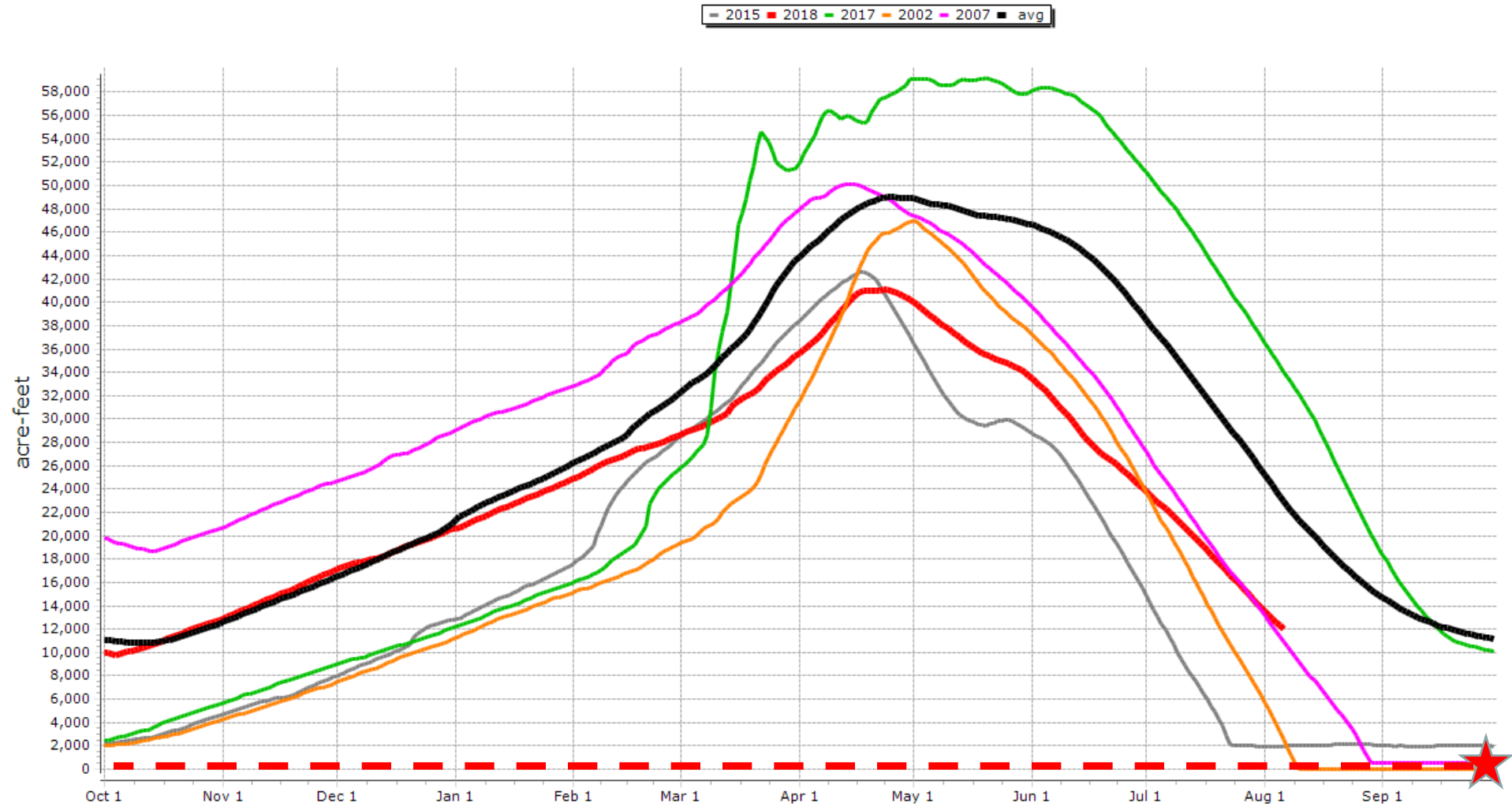
RECLAMATION

Agency Valley (Beulah) Dam and Reservoir Elevation:3305.000



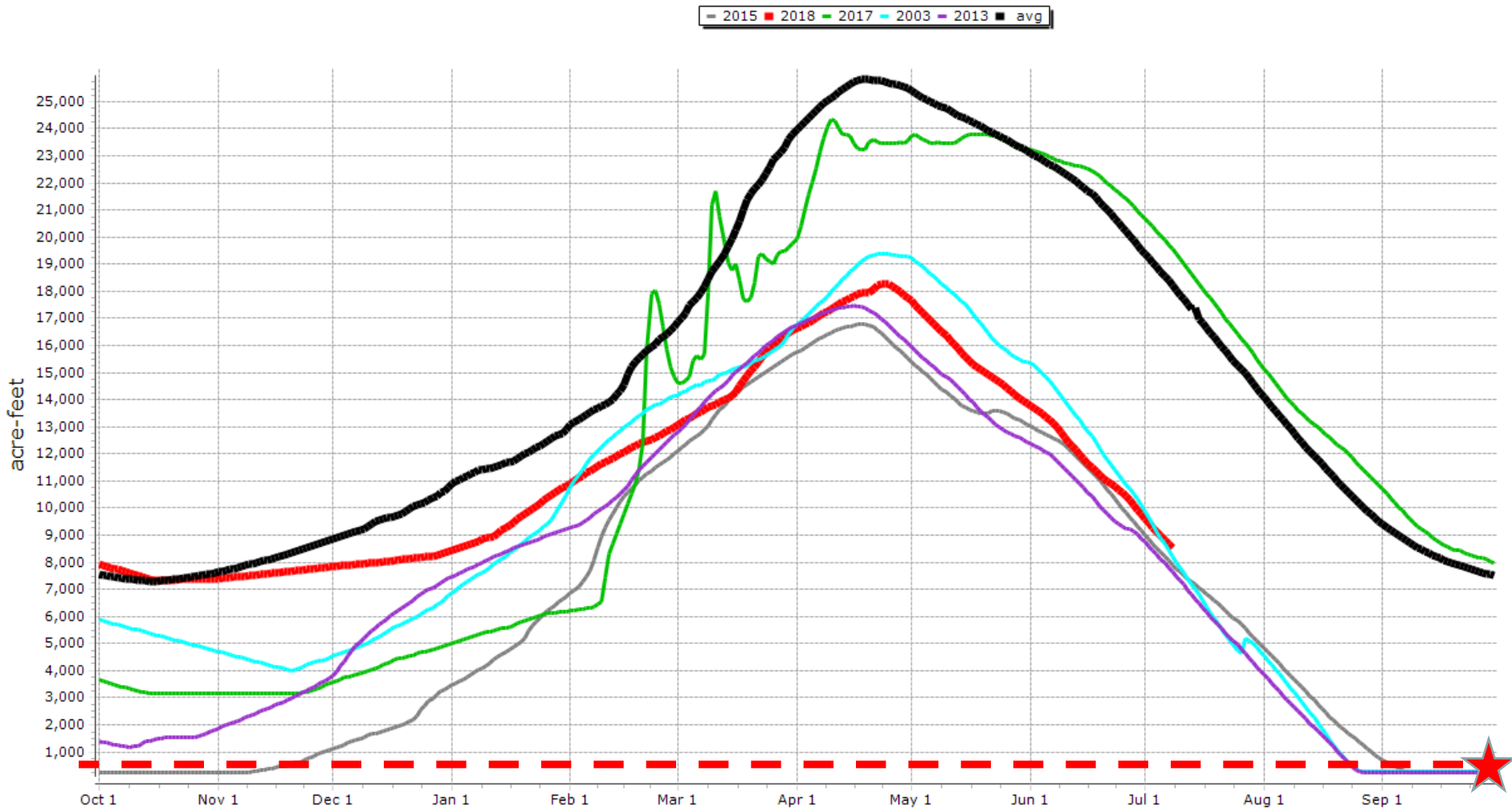
RECLAMATION

Agency Valley (Beulah) Dam and Reservoir Elevation:3305.000



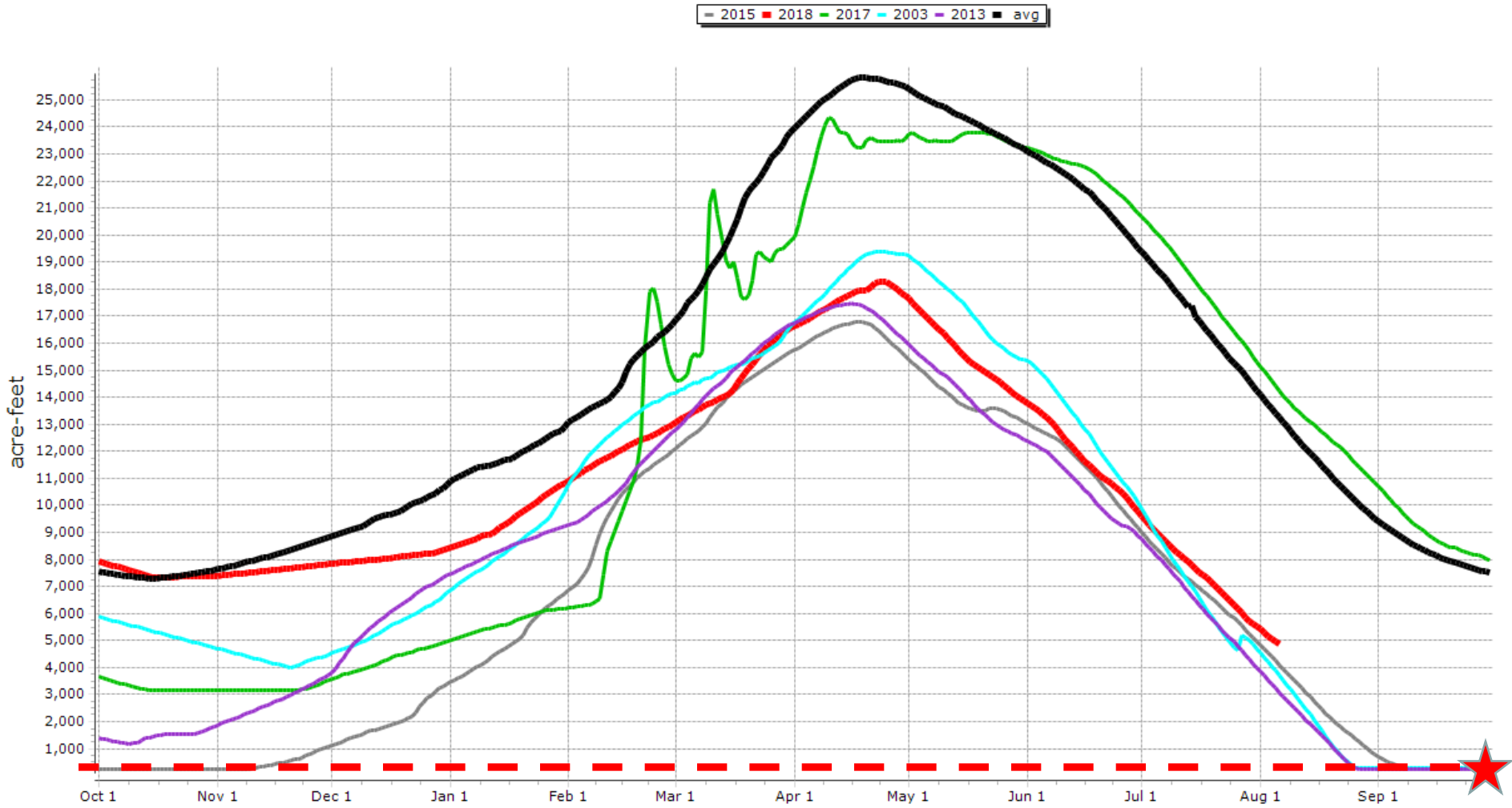
RECLAMATION

Bully Creek Dam and Reservoir near Vale, OR Elevation:2516.000



RECLAMATION

Bully Creek Dam and Reservoir near Vale, OR Elevation:2516.000



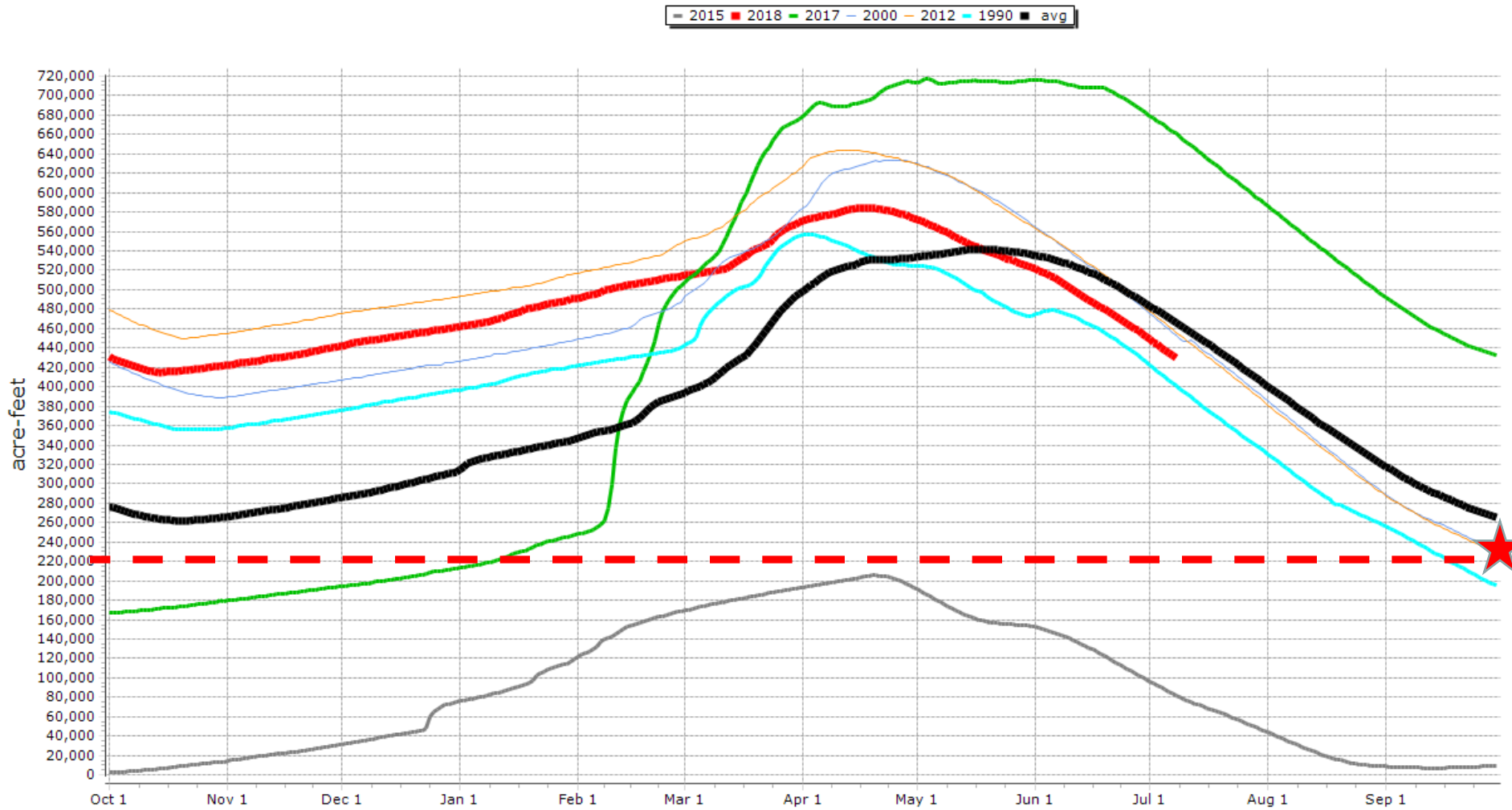
RECLAMATION

Owyhee

RECLAMATION

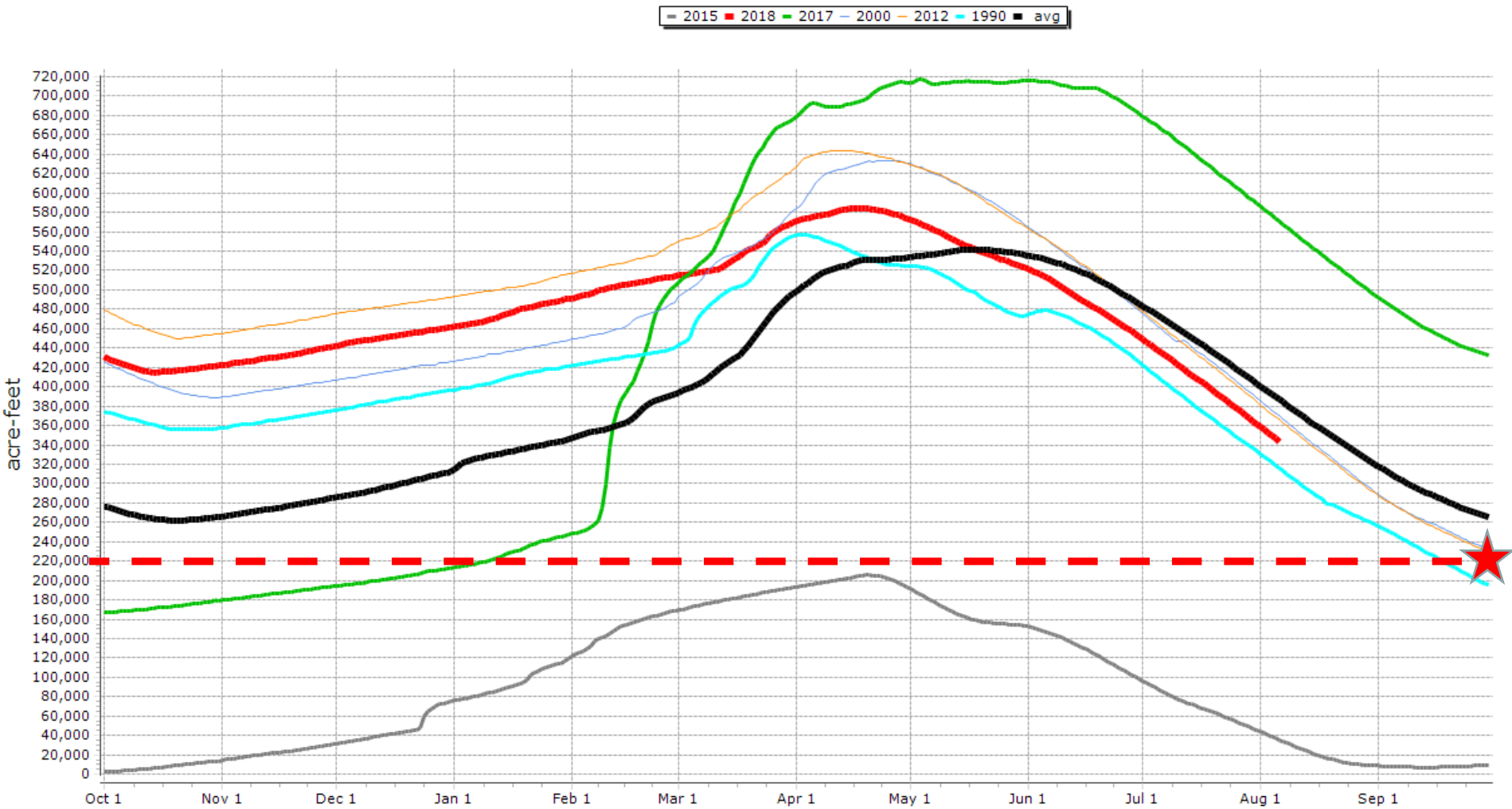


Lake Owyhee and Owyhee River near Nyssa, OR Elevation:2344.000



RECLAMATION

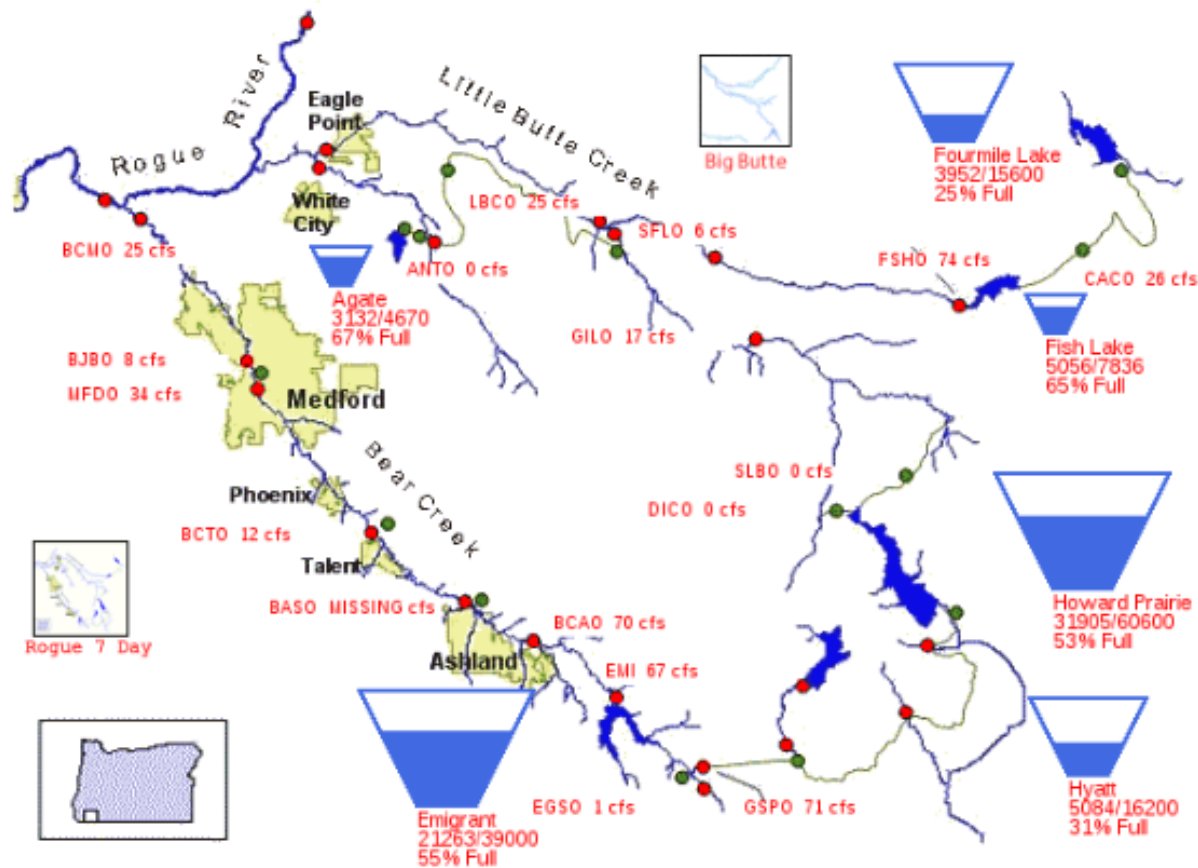
Lake Owyhee and Owyhee River near Nyssa, OR Elevation:2344.000



RECLAMATION

# US Bureau of Reclamation, Pacific Northwest Region Bear Creek and Little Butte Creek Basins

07/08/2018

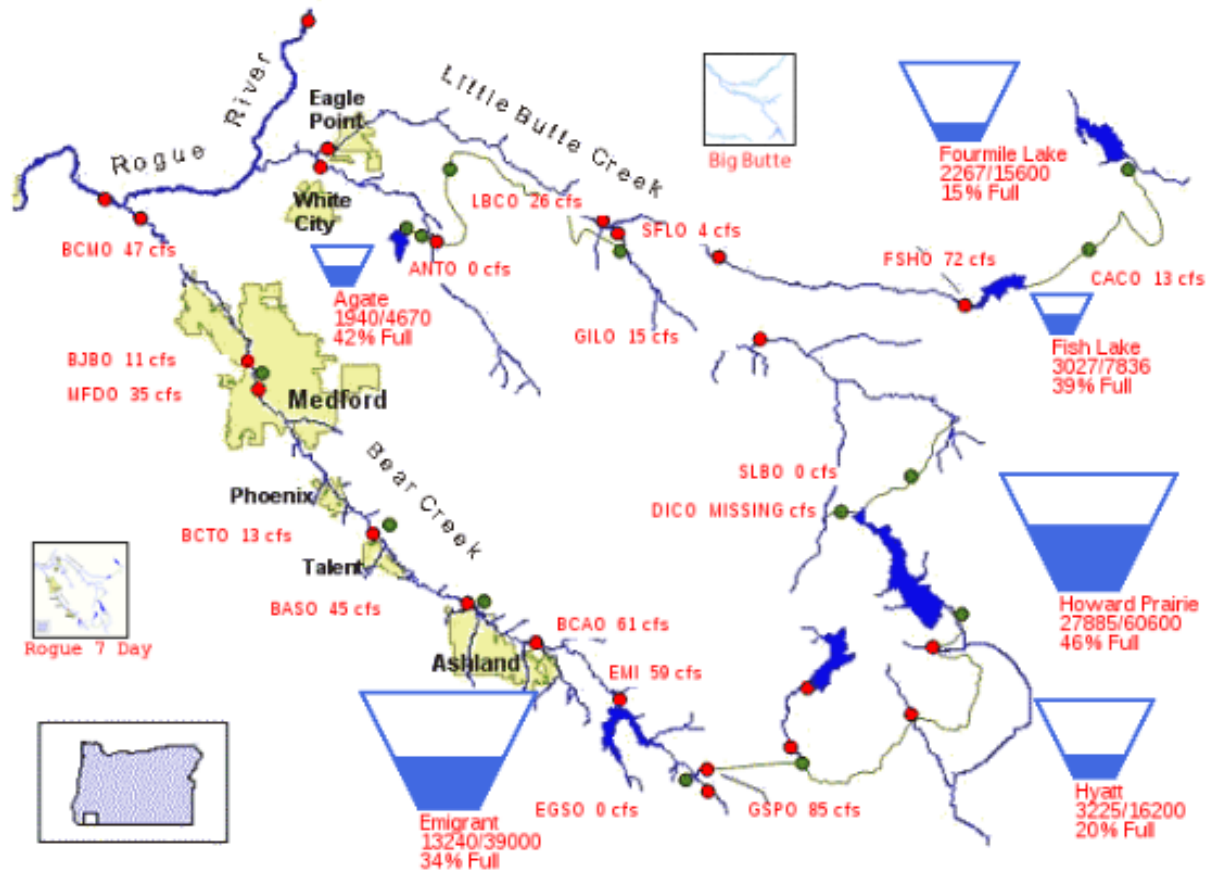


PROVISIONAL DATA - SUBJECT TO CHANGE!

# RECLAMATION

# US Bureau of Reclamation, Pacific Northwest Region Bear Creek and Little Butte Creek Basins

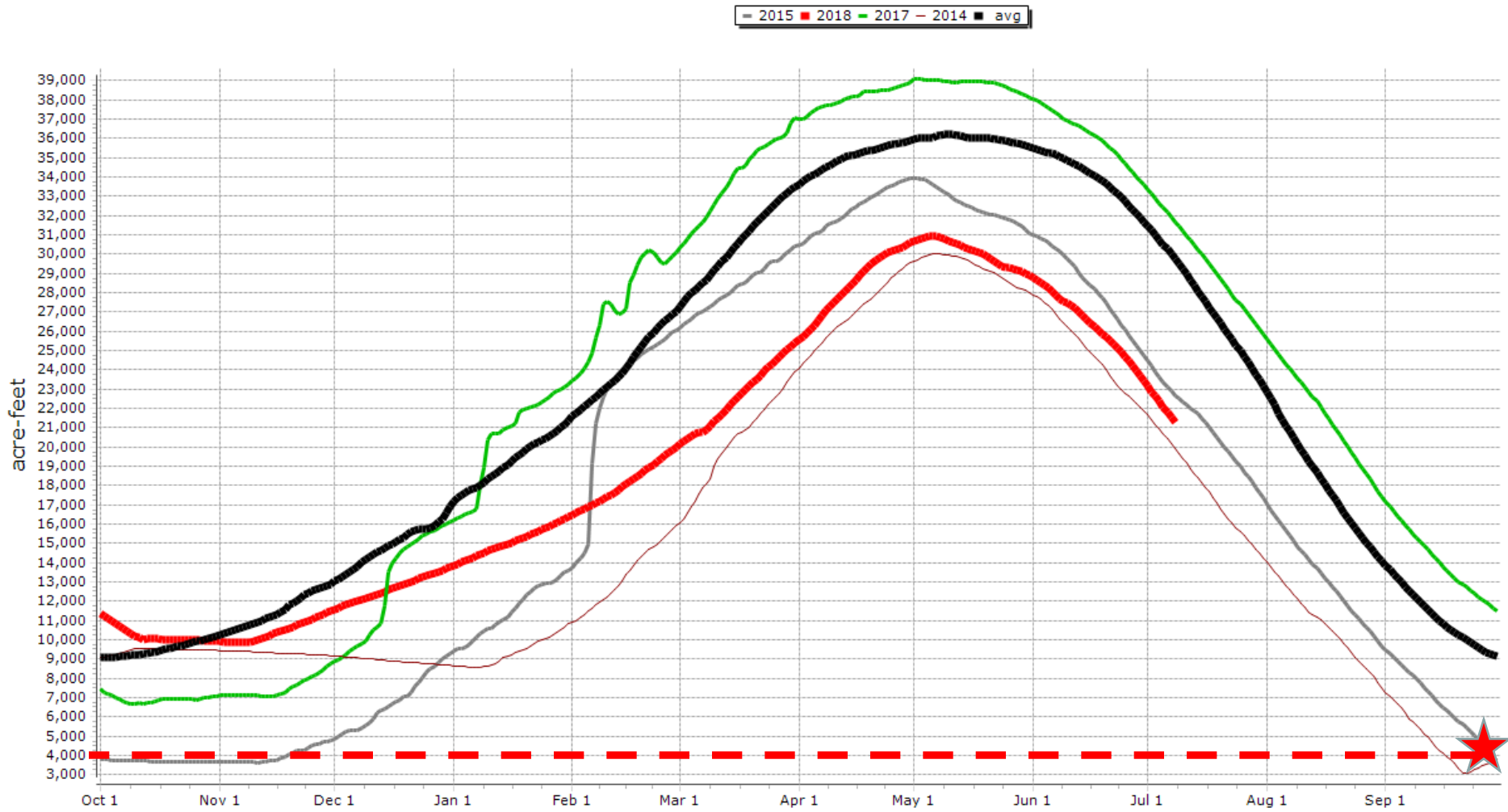
08/06/2018



PROVISIONAL DATA - SUBJECT TO CHANGE!

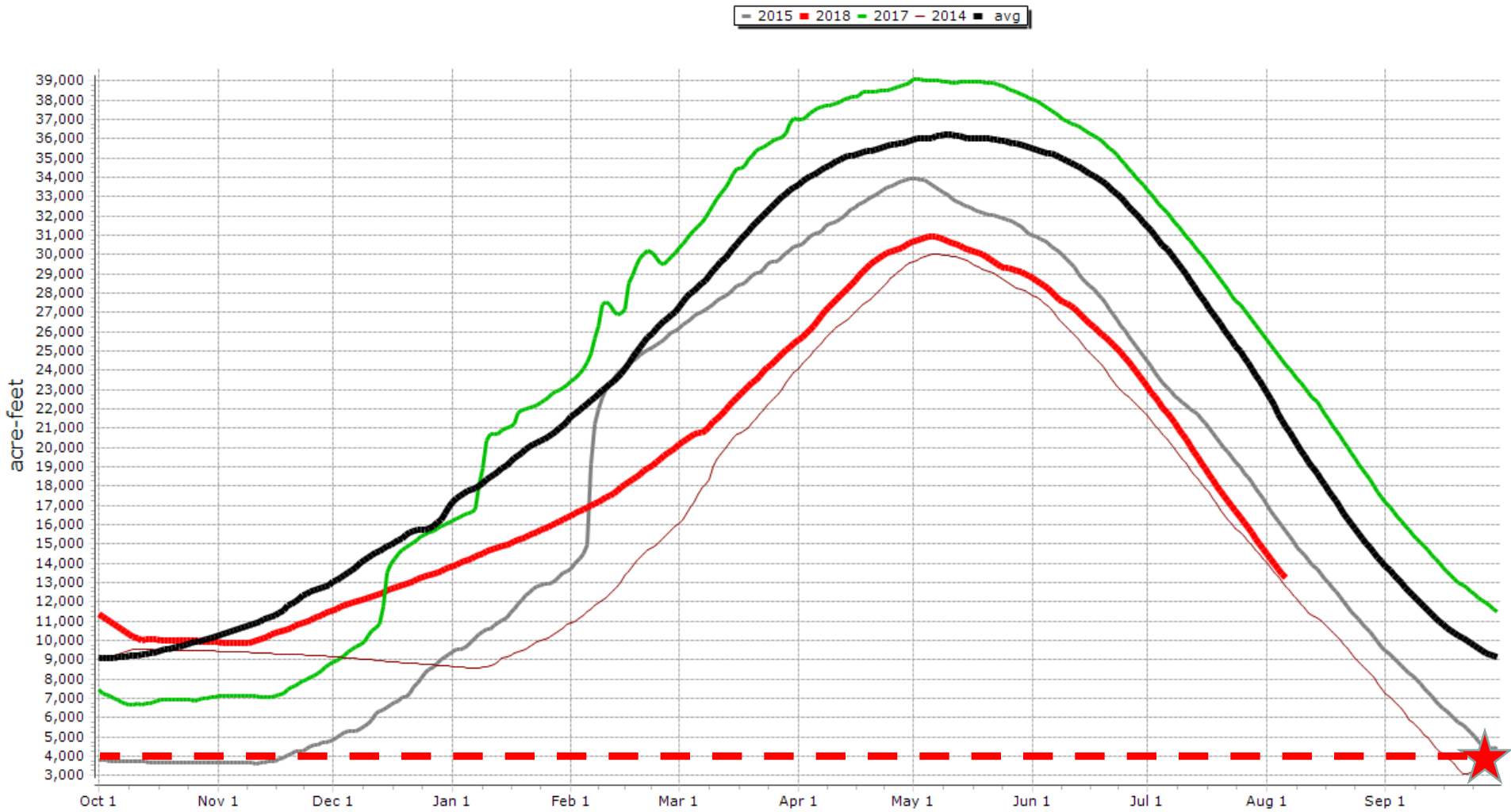
# RECLAMATION

Emigrant Dam and Lake near Ashland, OR Elevation:2100.000



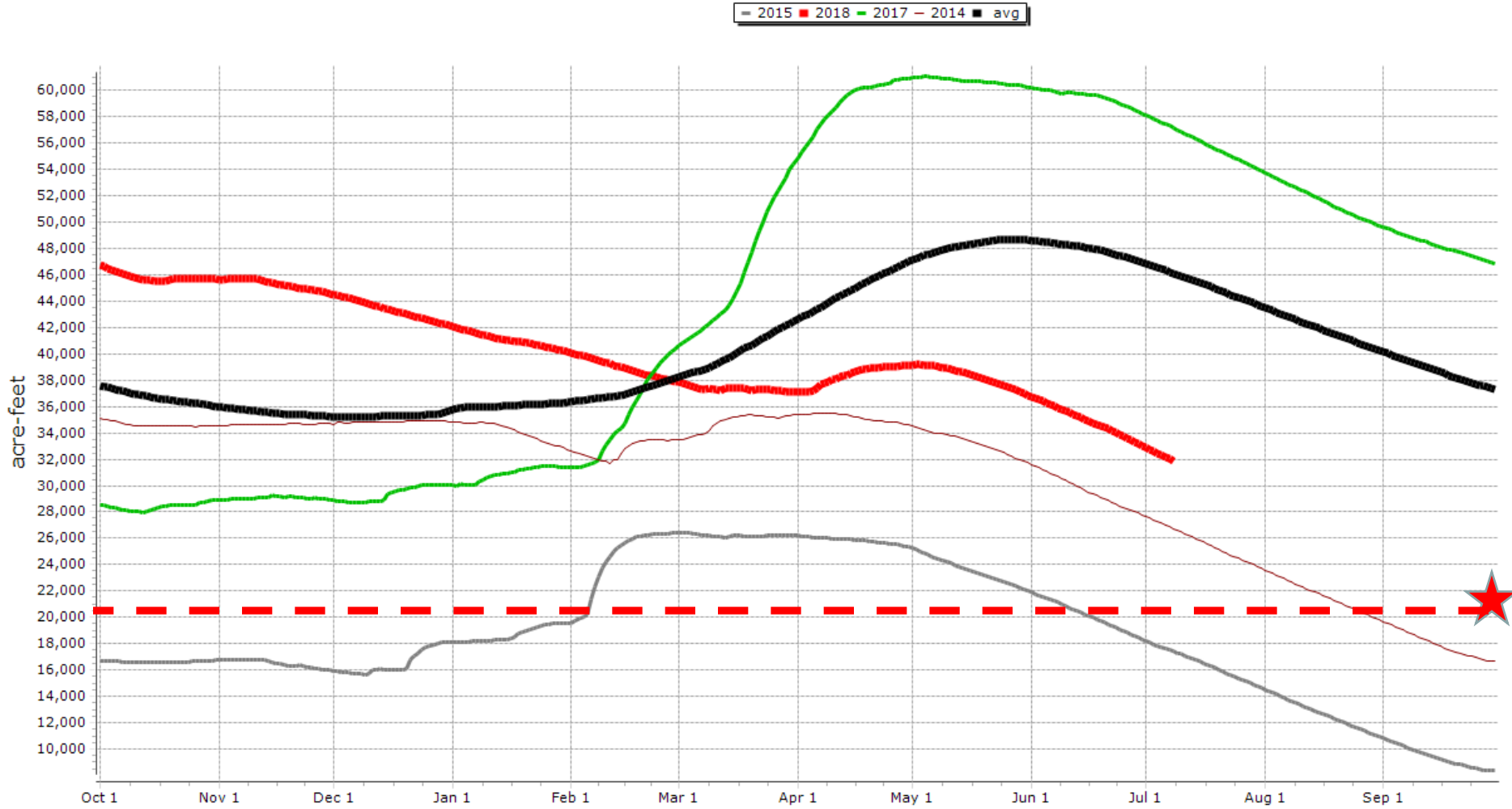
RECLAMATION

Emigrant Dam and Lake near Ashland, OR Elevation:2100.000



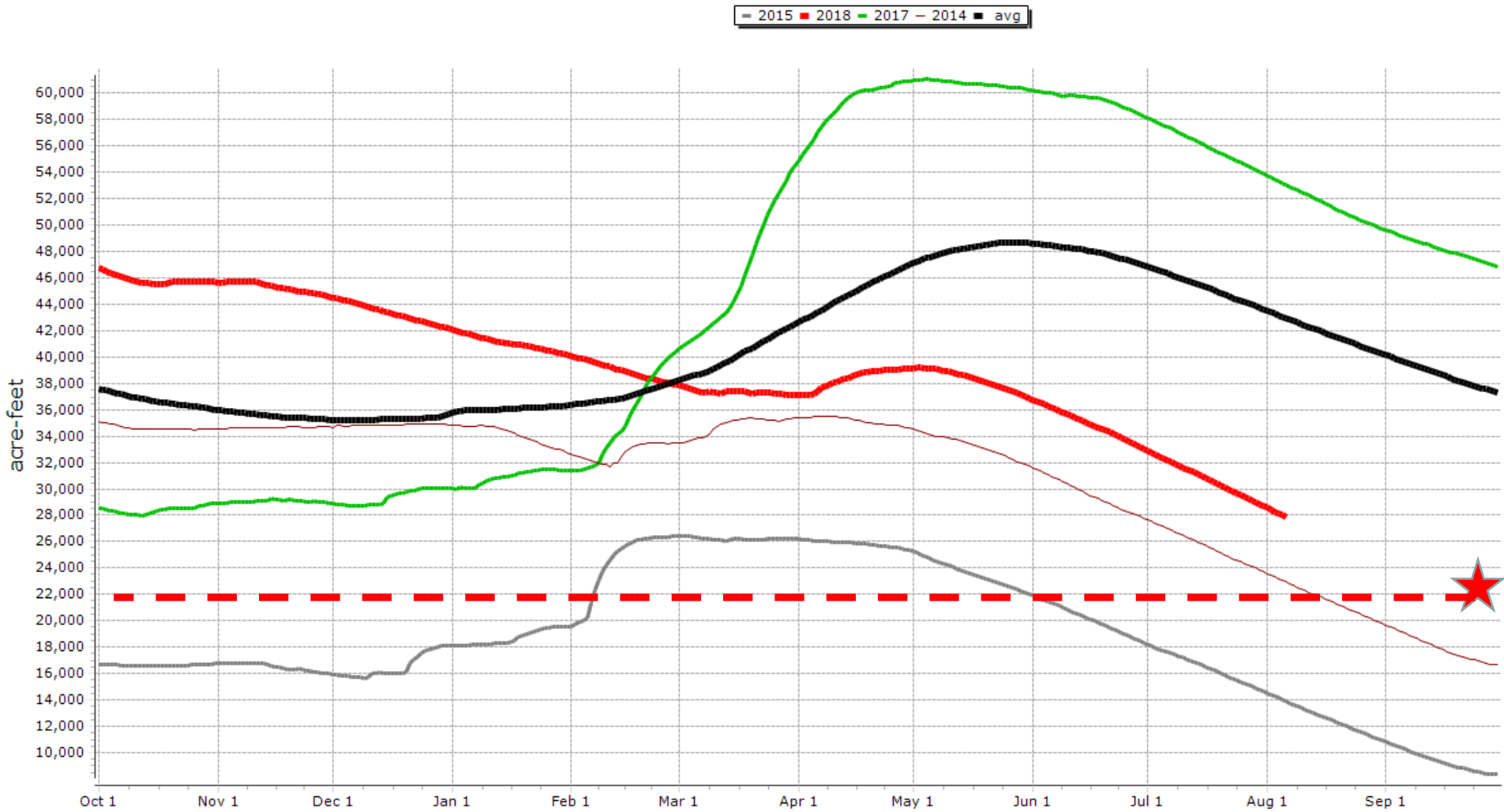
RECLAMATION

Howard Prairie Lake and Dam near Ashland, OR Elevation:4539.000



RECLAMATION

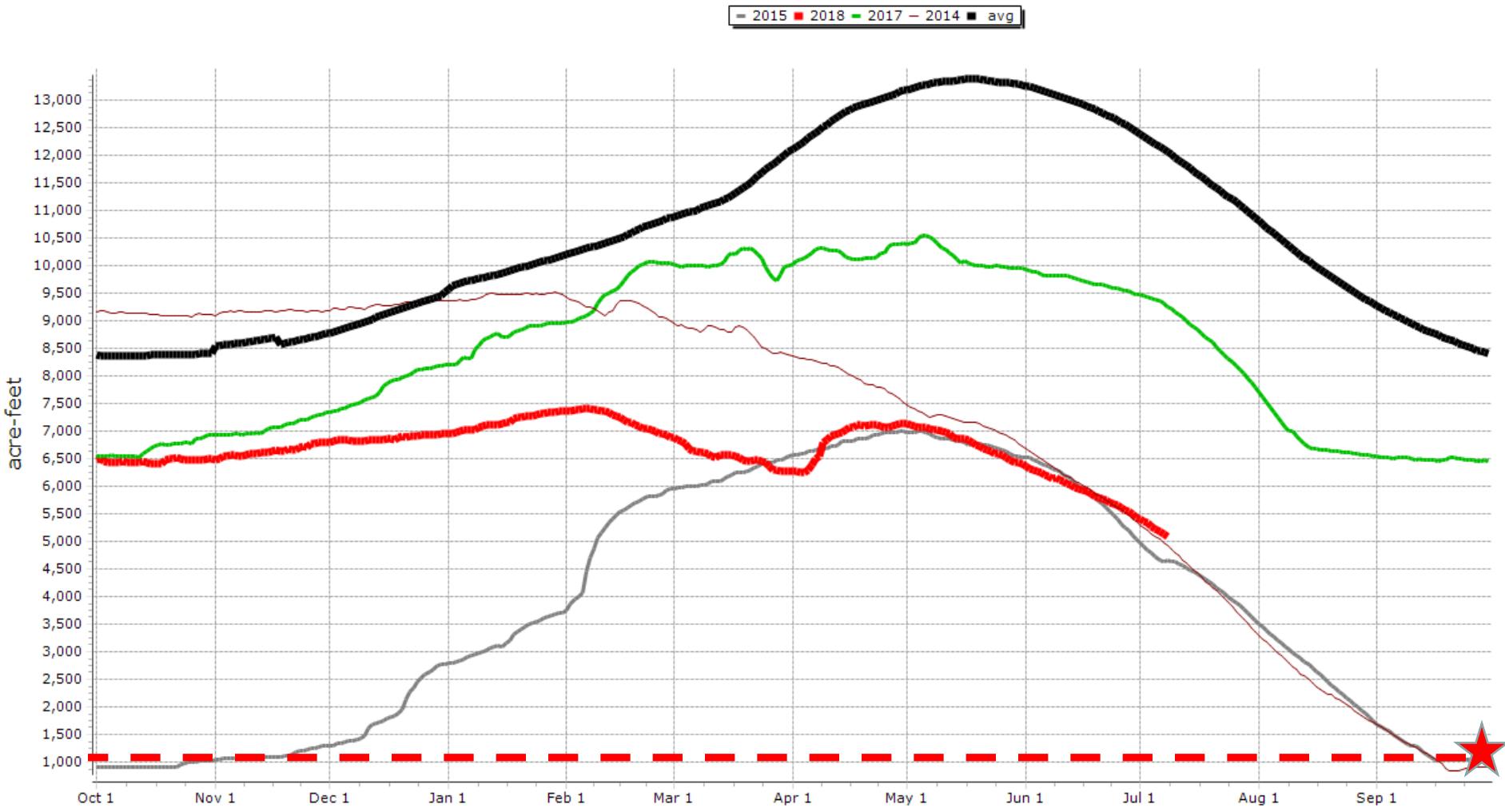
Howard Prairie Lake and Dam near Ashland, OR Elevation:4539.000



RECLAMATION

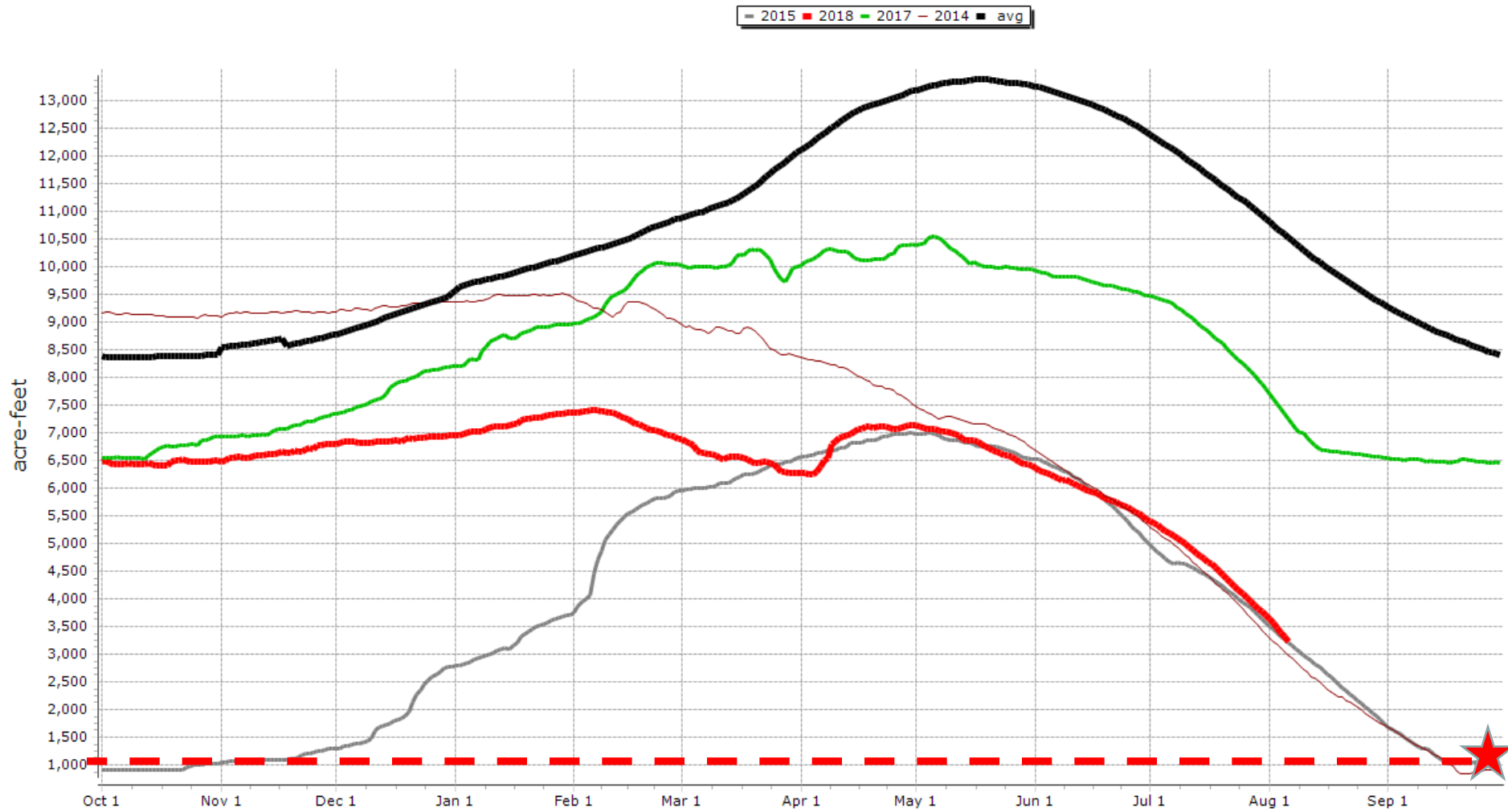


Hyatt Dam and Reservoir near Ashland, OR Elevation:5016.000



RECLAMATION

Hyatt Dam and Reservoir near Ashland, OR Elevation:5016.000



RECLAMATION

Questions?

RECLAMATION