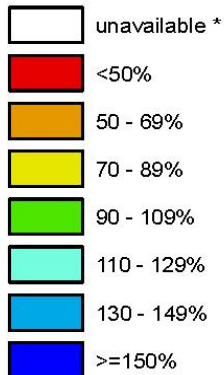


Oregon SNOTEL Current Snow Water Equivalent (SWE) % of Normal

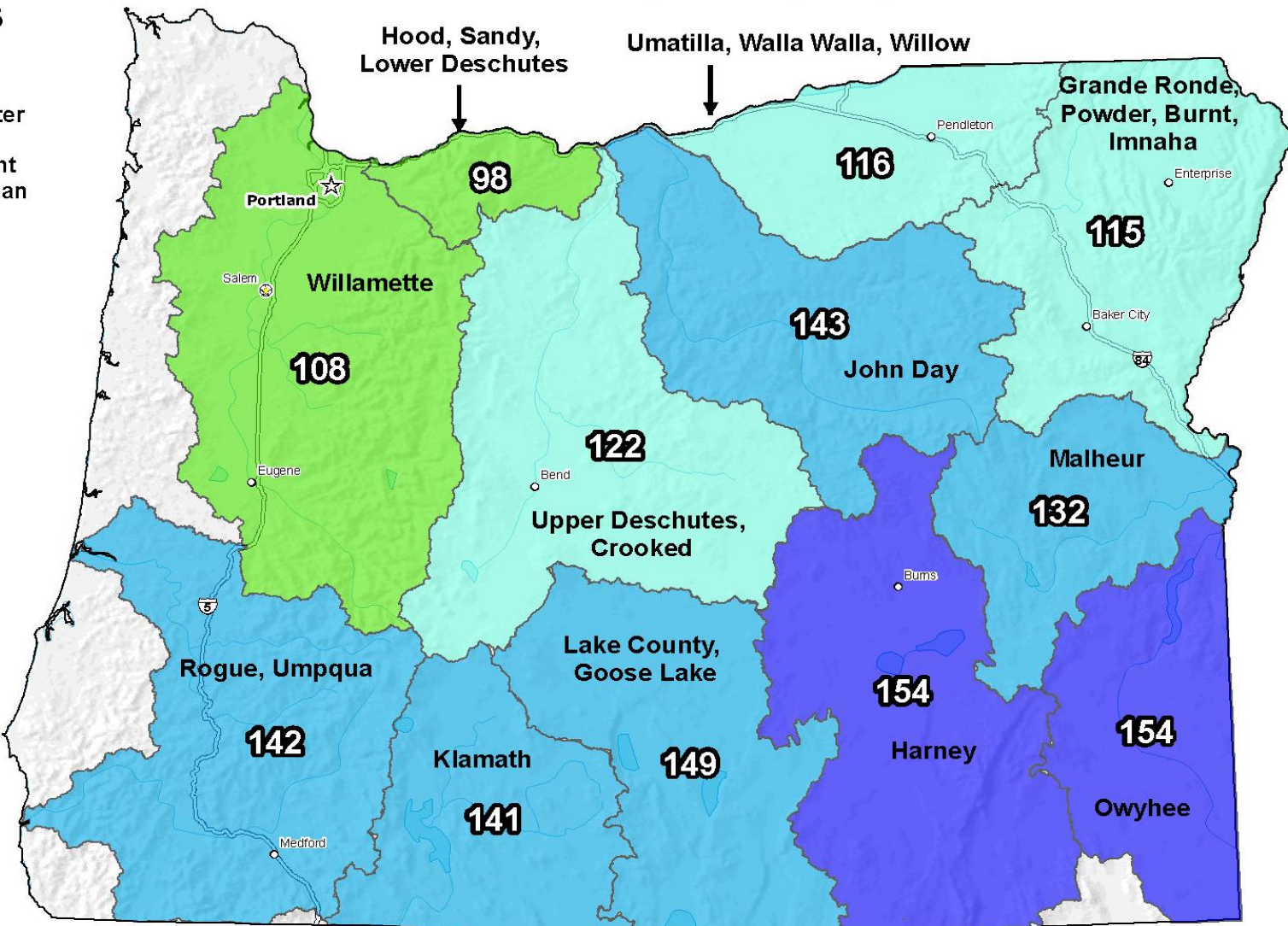
Feb 01, 2016

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median



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

Provisional Data
Subject to Revision



The snow water equivalent percent of normal represents the current snow water equivalent 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).

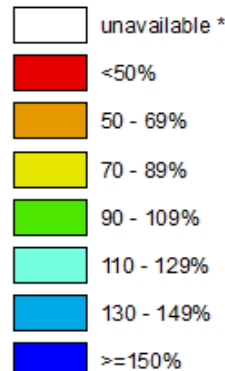
0 10 20 40 60 80 100 Miles

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

Oregon SNOTEL Current Snow Water Equivalent (SWE) % of Normal

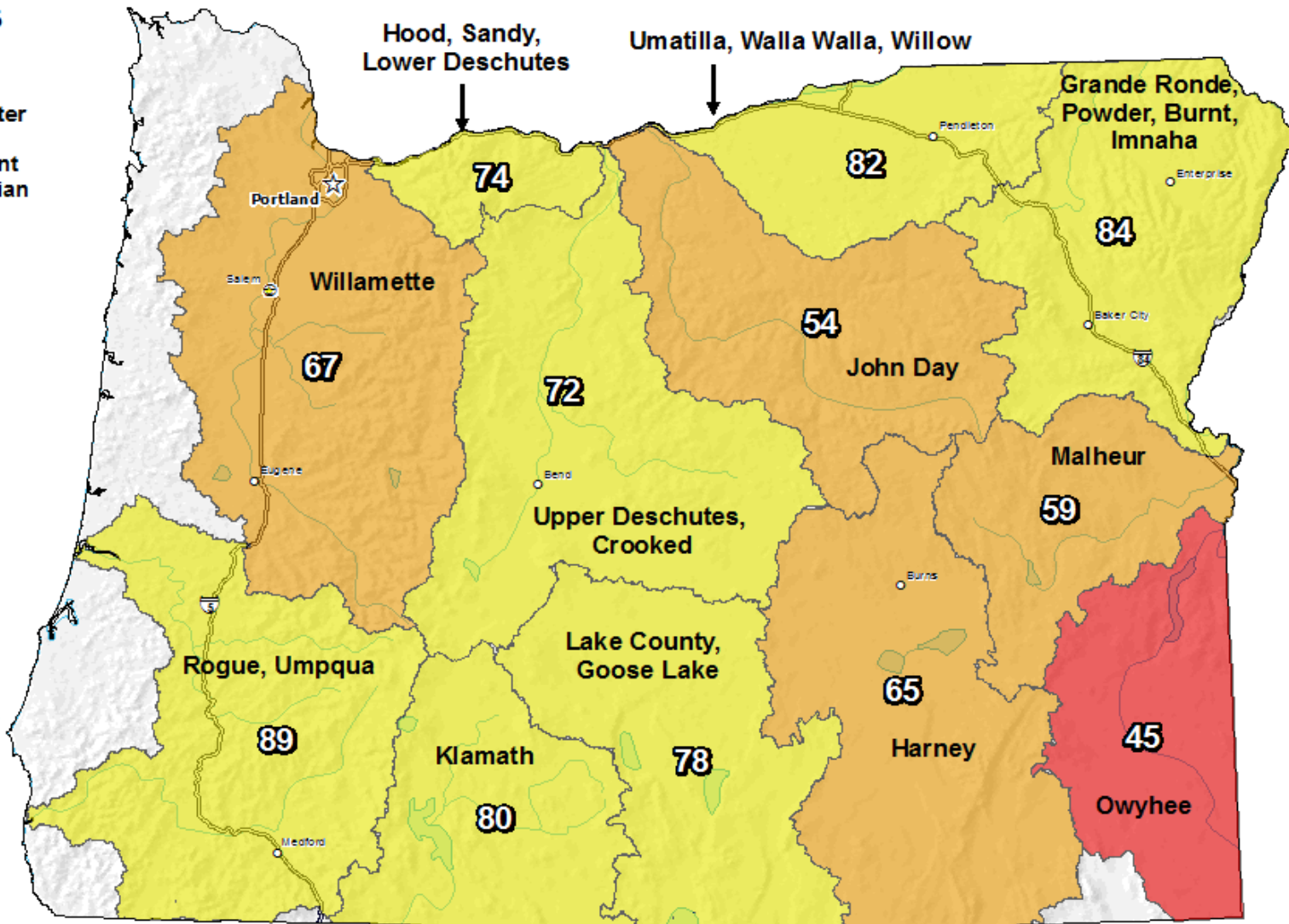
Apr 12, 2016

Current Snow Water Equivalent (SWE) Basin-wide Percent of 1981-2010 Median



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

Provisional Data
Subject to Revision



The snow water equivalent percent of normal represents the current snow water equivalent 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).

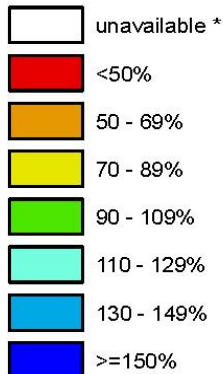
0 10 20 40 60 80 100 Miles

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

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

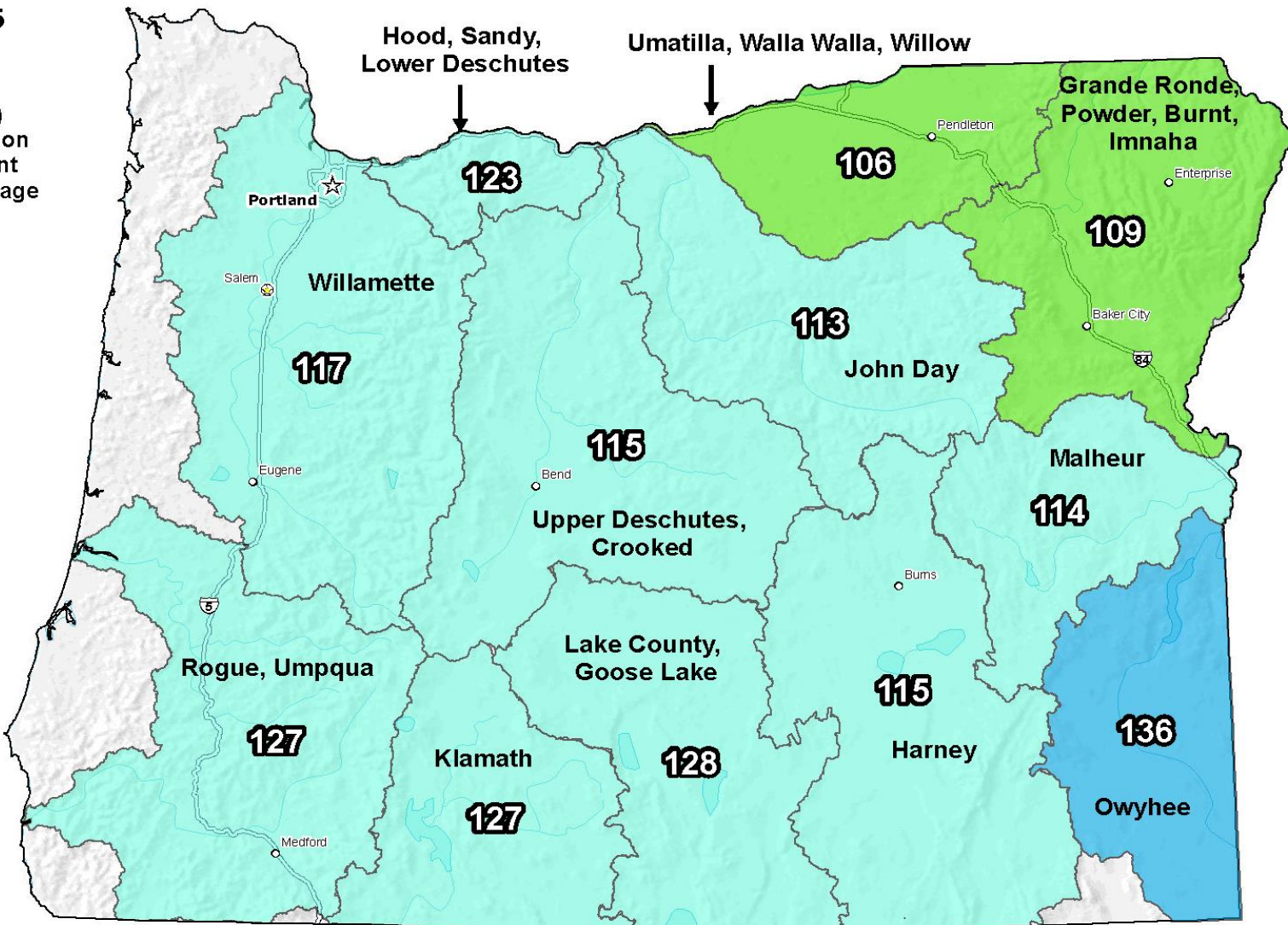
Feb 01, 2016

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).

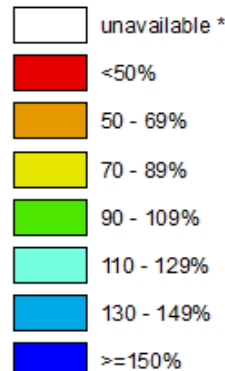
0 10 20 40 60 80 100 Miles

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

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

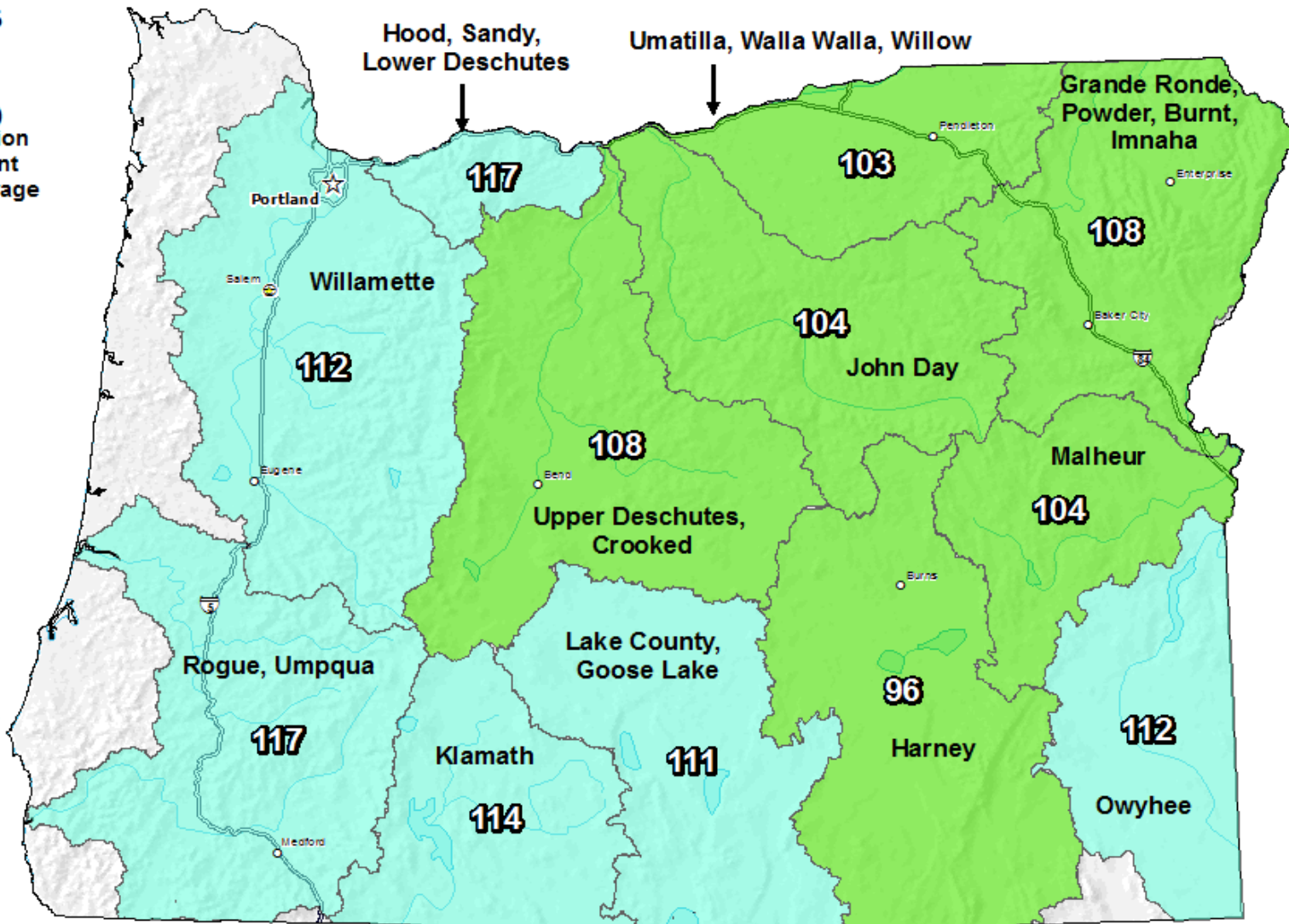
Apr 12, 2016

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>

Snowpack Change from April 1

Selected Stations: 919

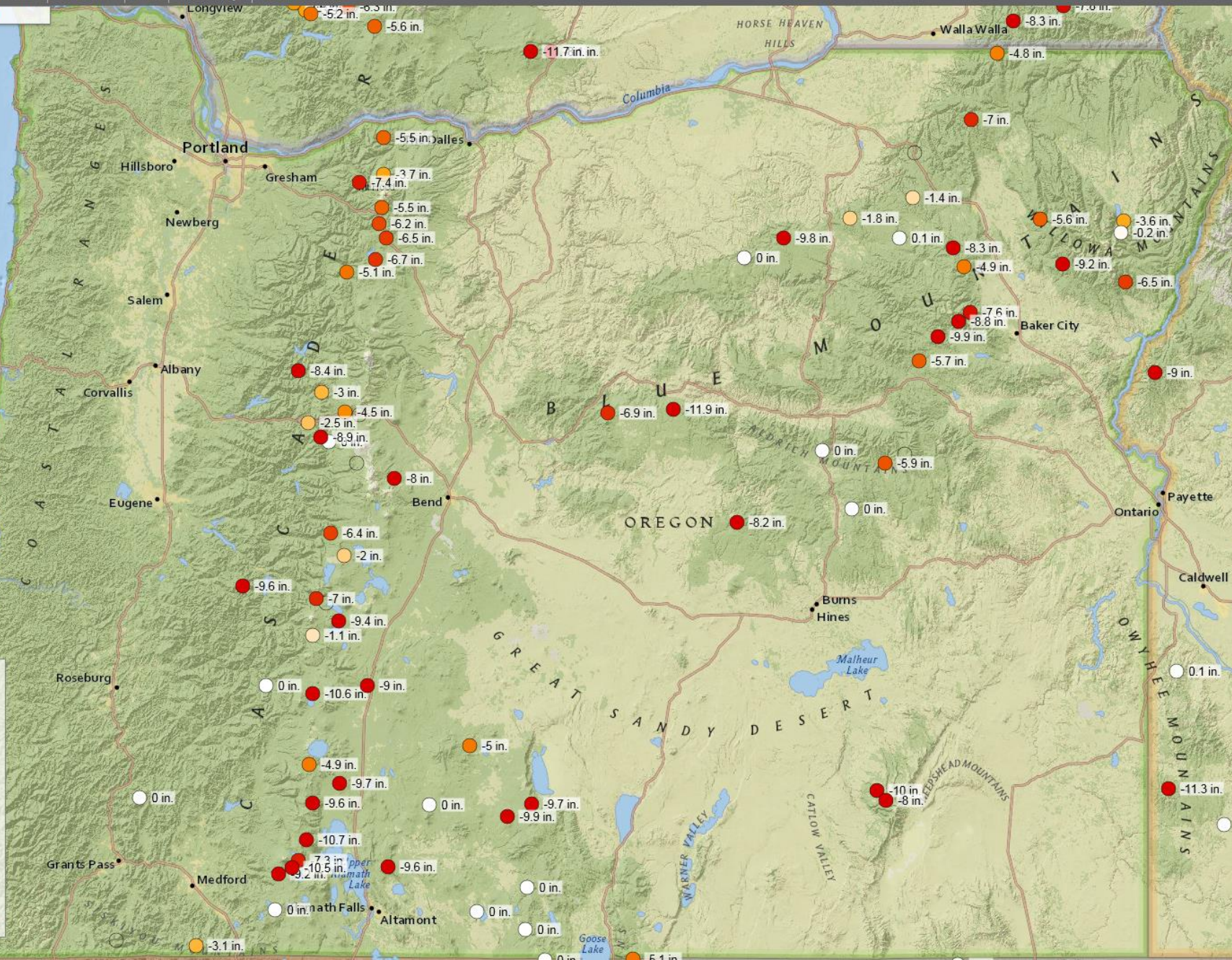


Snow Water Equivalent Delta
 April 11, 2016 minus
 March 31, 2016, end of day

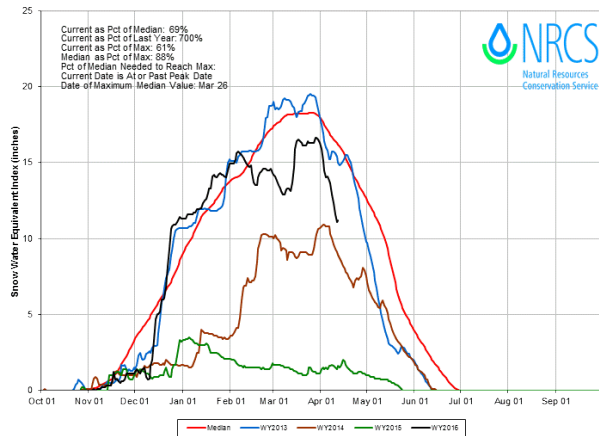
Blue	≥ 8 in.
Dark Green	6 in.
Green	4 in.
Light Green	2 in.
White	0 in.
Light Orange	-2 in.
Orange	-4 in.
Dark Orange	-6 in.
Red	≤ -8 in.

Change Color Set

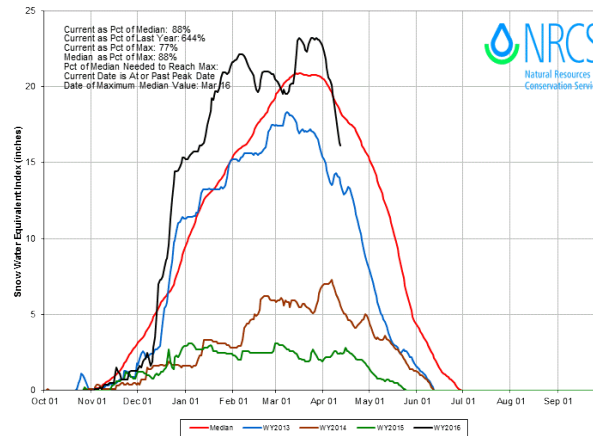
NRCS Natural Resources Conservation Service
 Created 4-12-2016, 08:52 AM PDT



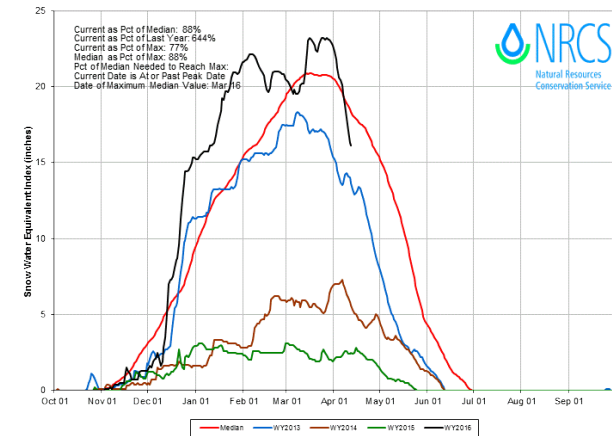
Willamette



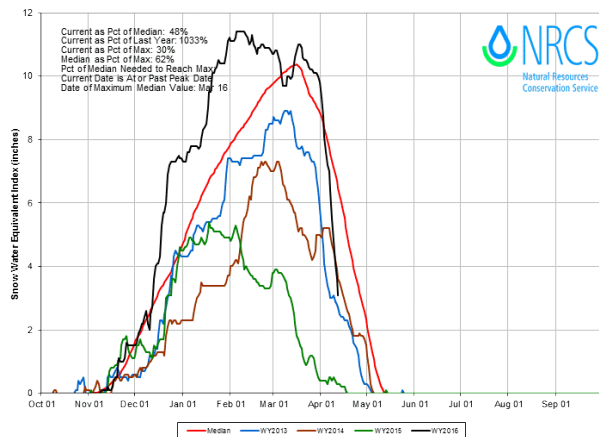
Rogue/Umpqua



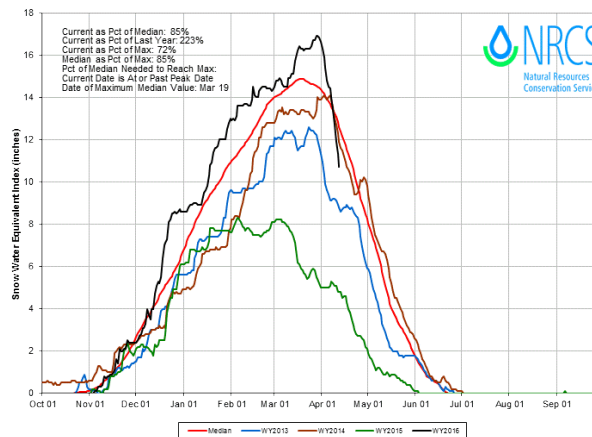
Klamath



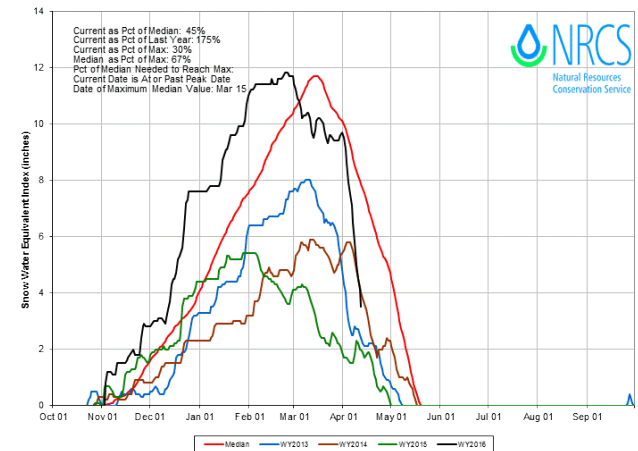
John Day



Grande Ronde/Powder/Burnt

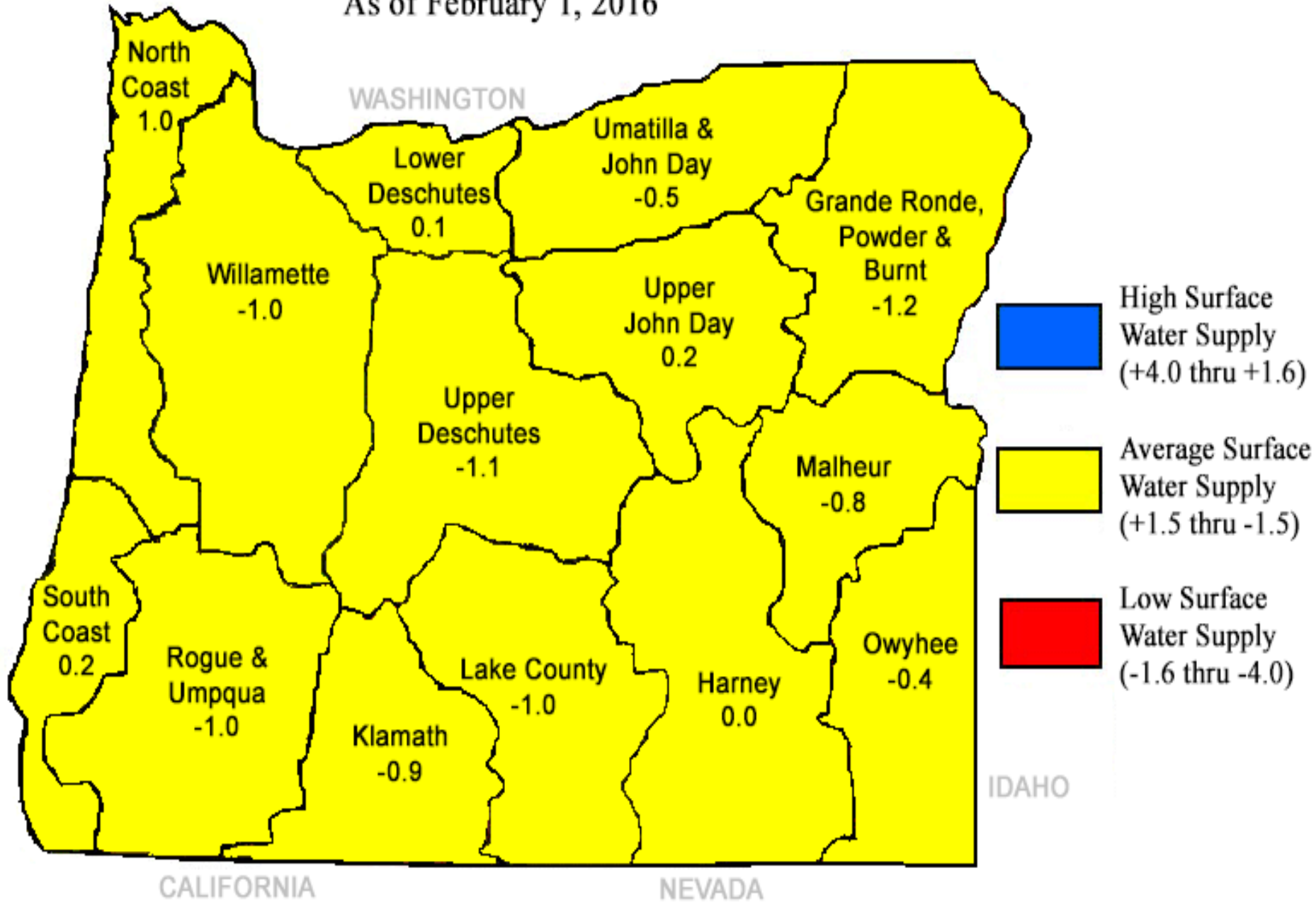


Owyhee/Malheur



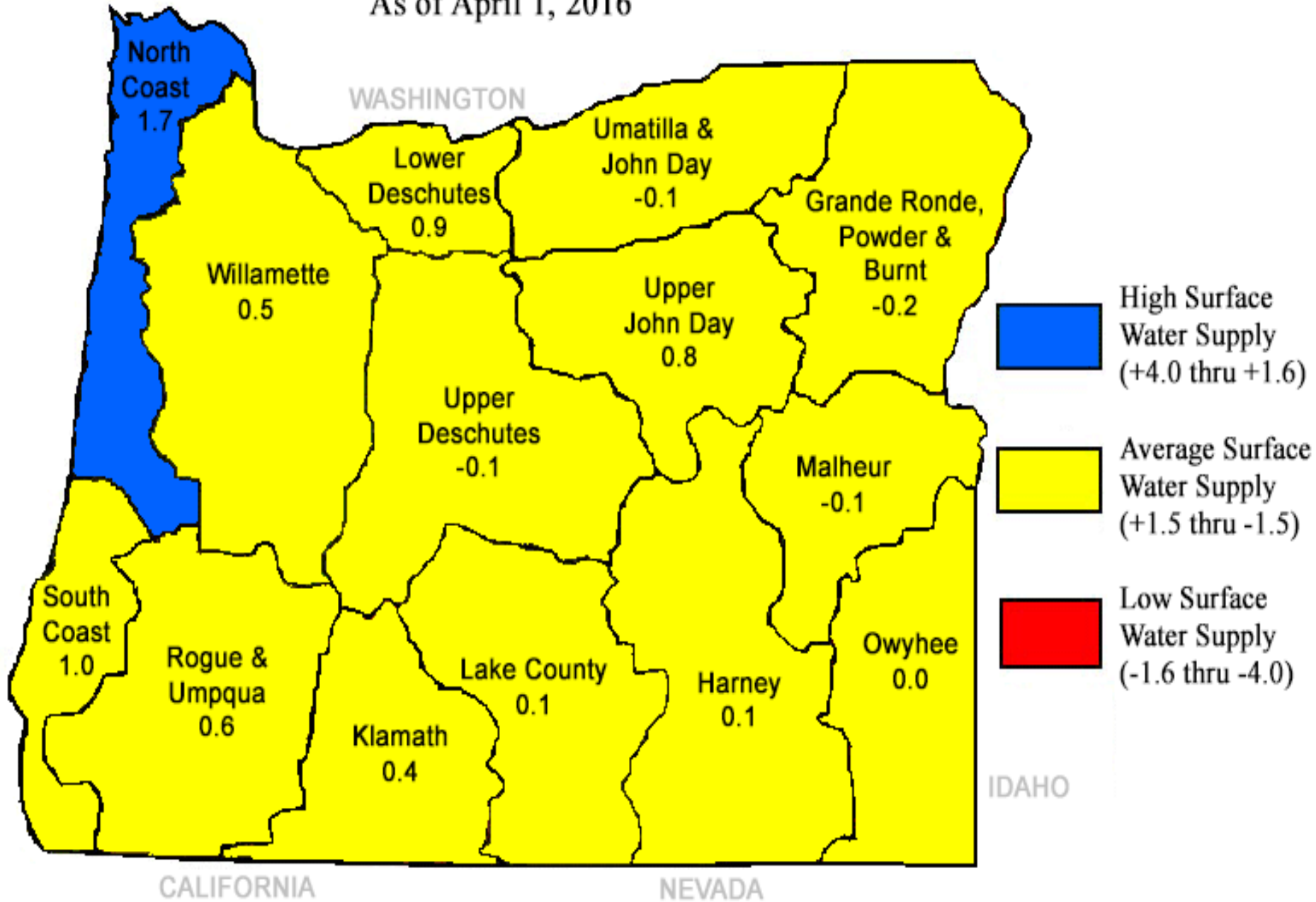
OREGON SURFACE WATER SUPPLY INDEX (SWSI)

As of February 1, 2016

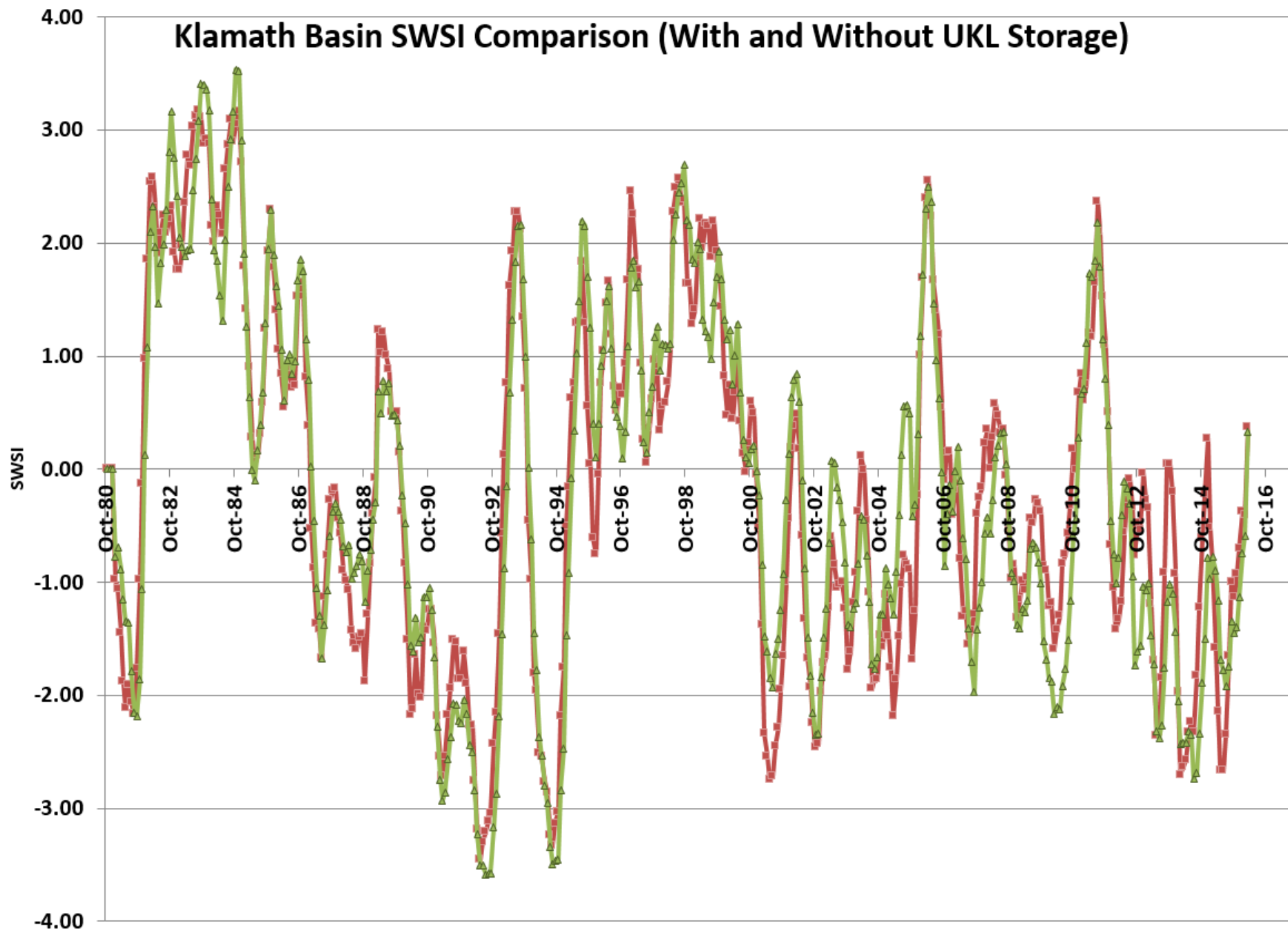


OREGON SURFACE WATER SUPPLY INDEX (SWSI)

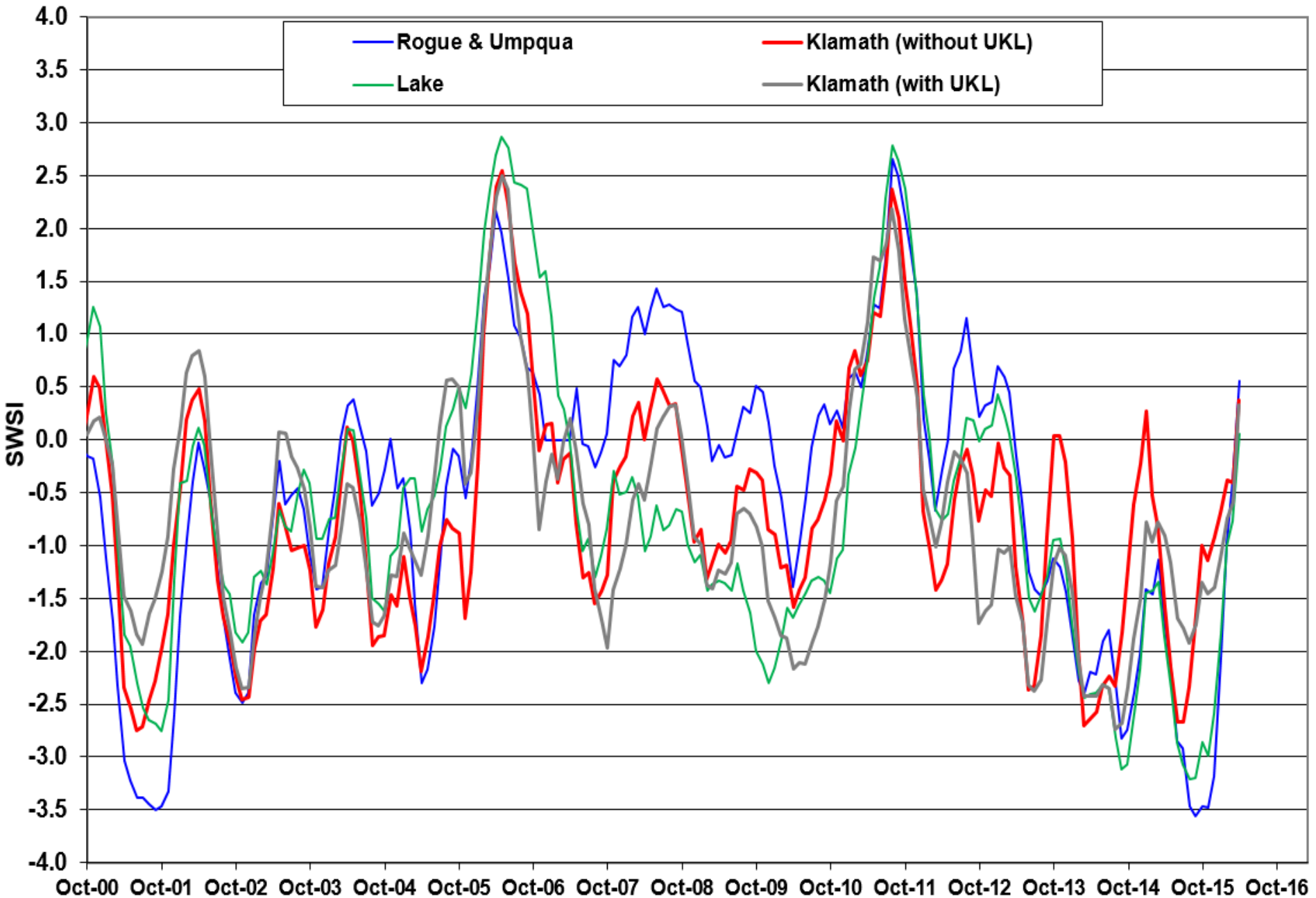
As of April 1, 2016



Klamath Basin SWSI Comparison (With and Without UKL Storage)

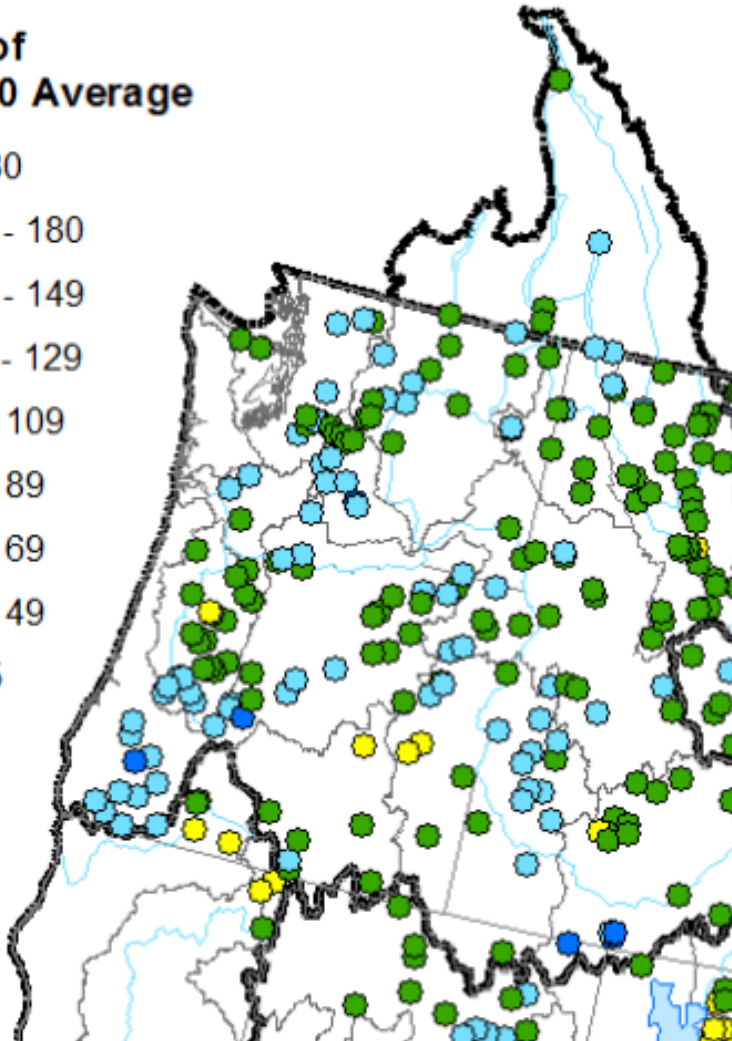


Comparison of Klamath SWSI (with and without UKL Storage) for the Past 16 Water Years



Spring and Summer Streamflow Forecasts as of April 1, 2016

Percent of 1981-2010 Average



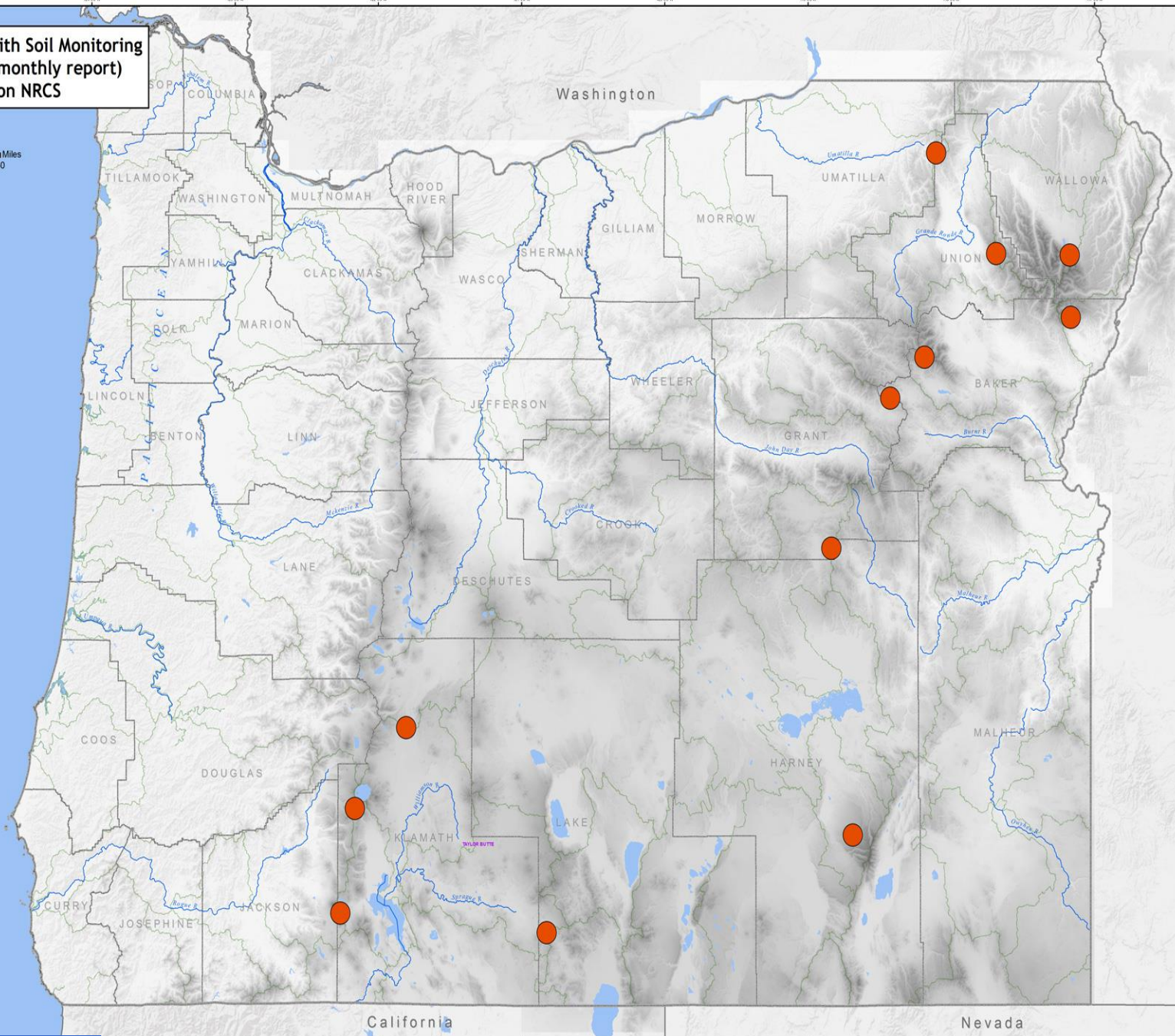
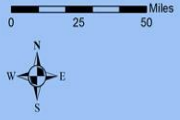
April thru September Streamflow Forecasts:

- Generally near normal to above normal statewide

SUMMARY OF STREAMFLOW FORECASTS for WY2016

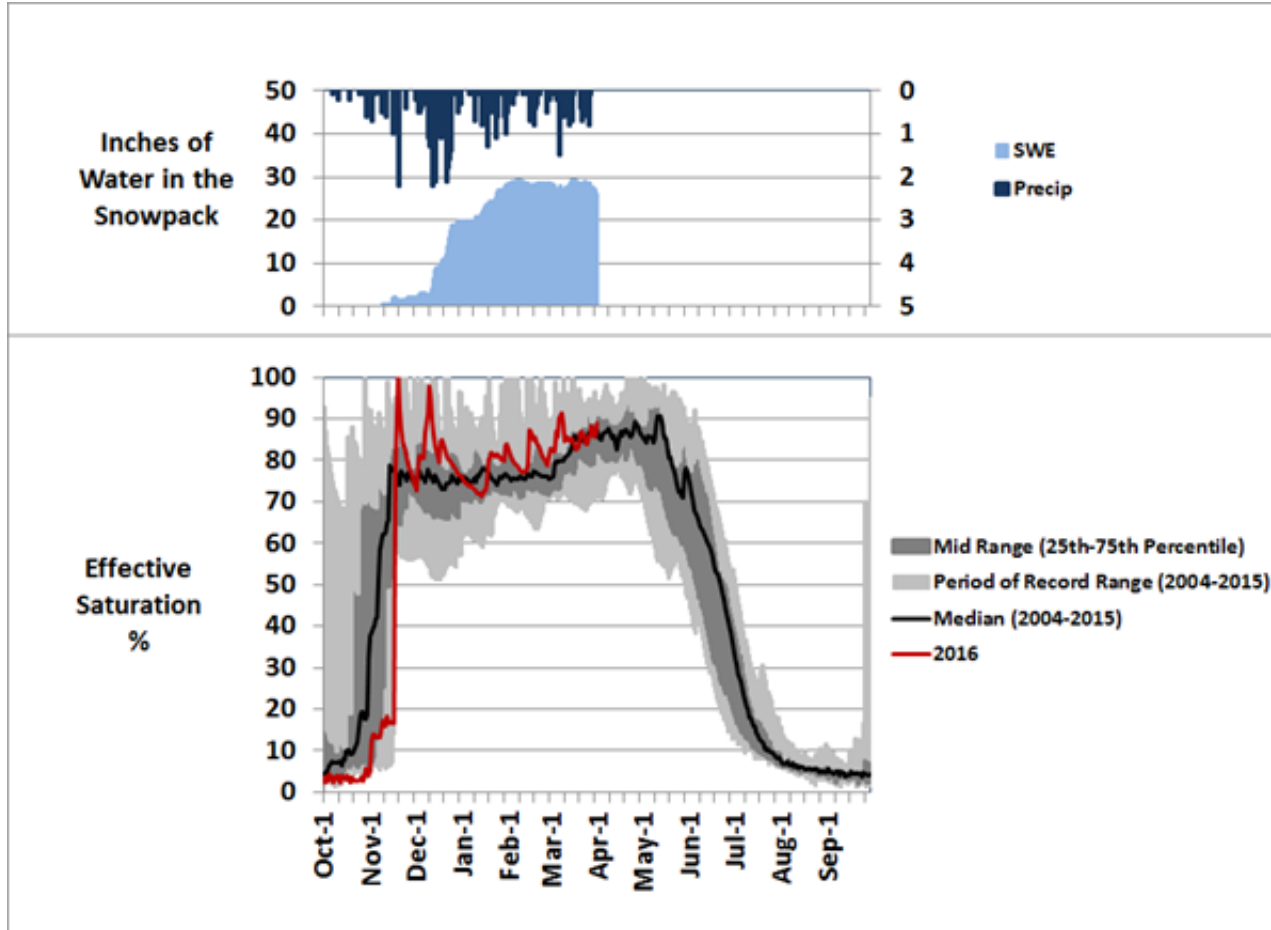
BASIN	% of AVERAGE of APR-SEPT FORECASTS IN THE BASIN			
	1-Jan	1-Feb	1-Mar	1-Apr
OWYHEE AND MALHEUR BASINS	129	141	104	96
GRANDE RONDE, POWDER, BURNT AND IMNAHA BASINS	111	110	104	111
UMATILLA, WALLA WALLA AND WILLOW BASINS	118	107	98	104
JOHN DAY BASIN	122	123	102	104
UPPER DESCHUTES AND CROOKED BASINS	125	133	116	116
HOOD, SANDY AND LOWER DESCHUTES BASINS	111	102	99	102
WILLAMETTE BASIN	114	108	100	103
ROGUE AND UMPQUA BASINS	121	125	106	121
KLAMATH BASIN	110	108	84	89
LAKE COUNTY AND GOOSE LAKE BASINS	115	131	100	102
HARNEY BASIN	130	152	109	91

**SNOTEL Sites with Soil Monitoring
(included in monthly report)
Oregon NRCS**



Billie Creek, 5280' elevation

2016: As of April 1st, snowpack at this site is at 123% of median. Fall precipitation was able to satiate the soil moisture deficit left by last year's drought and raise soil moisture to normal levels by November 18th (before the snowpack was deep enough to impede water infiltrating the soil surface). Since then soil moisture has been exhibiting normal patterns for this site.



Billie Creek SNOTEL site sits on volcanic soils formed from residuum weathered from volcanic rock and/or tephra. The soil series is Oatman, which consists of very deep, moderately well drained soils that formed in glacial deposits. The site has a slope of 5 percent. Mean annual precipitation is approximately 53 inches, with roughly 43% falling as snow. The overstory vegetation consists of white fir, Shasta red fir, western white pine, ponderosa pine; understory vegetation is mountain brome, western prince's pine and sedge. Soil moisture probes have been installed here since 2004. The data used in this product is collected at depths of 2, 4, and 20 inches. The silt equation is currently being applied to all probes.

Thank you!

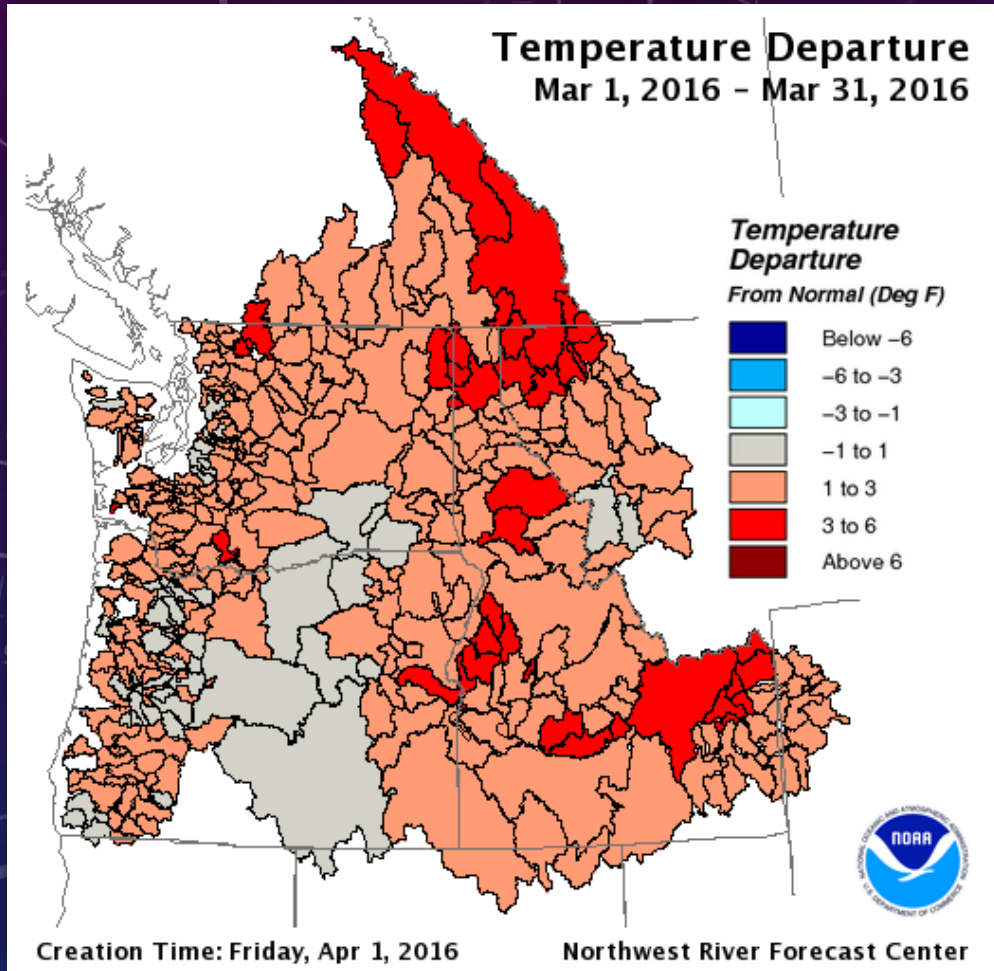
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

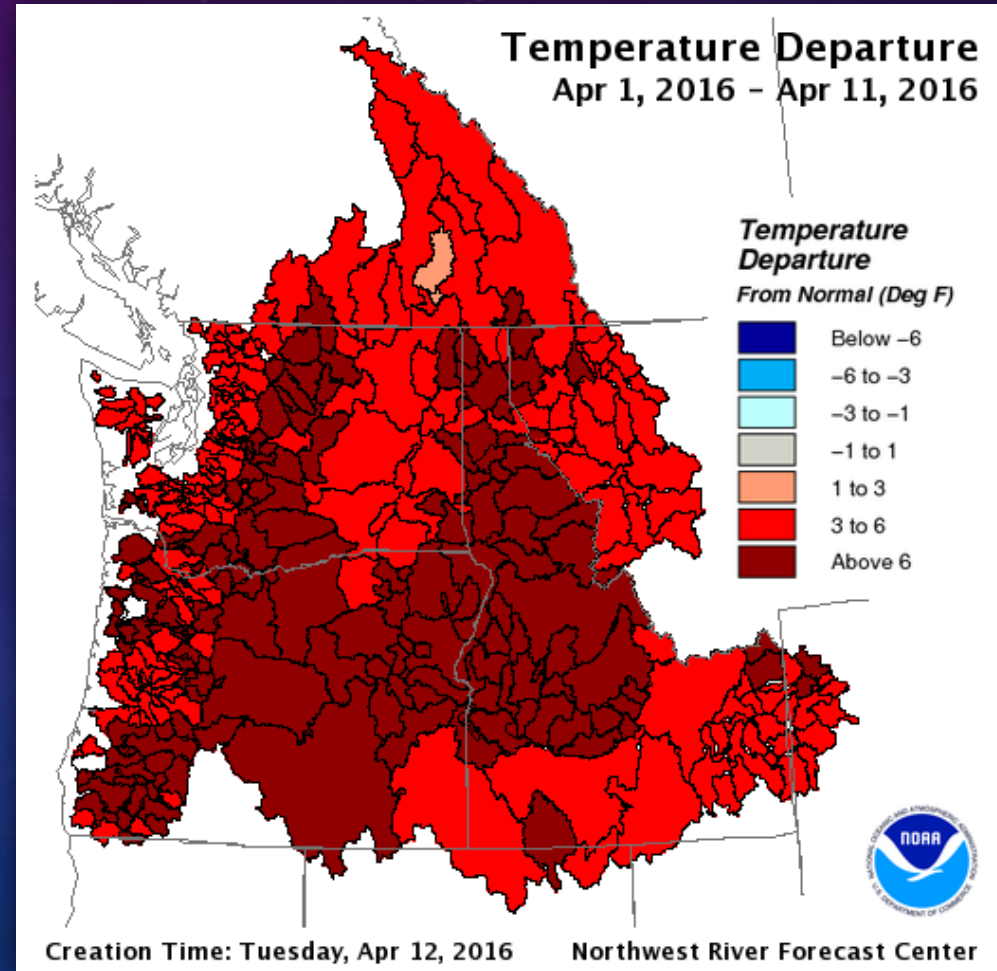
OBSERVED TEMPERATURES

NOAA NORTHWEST RIVER FORECAST CENTER

MARCH



APRIL 1 - 11



OBSERVED TEMPERATURES

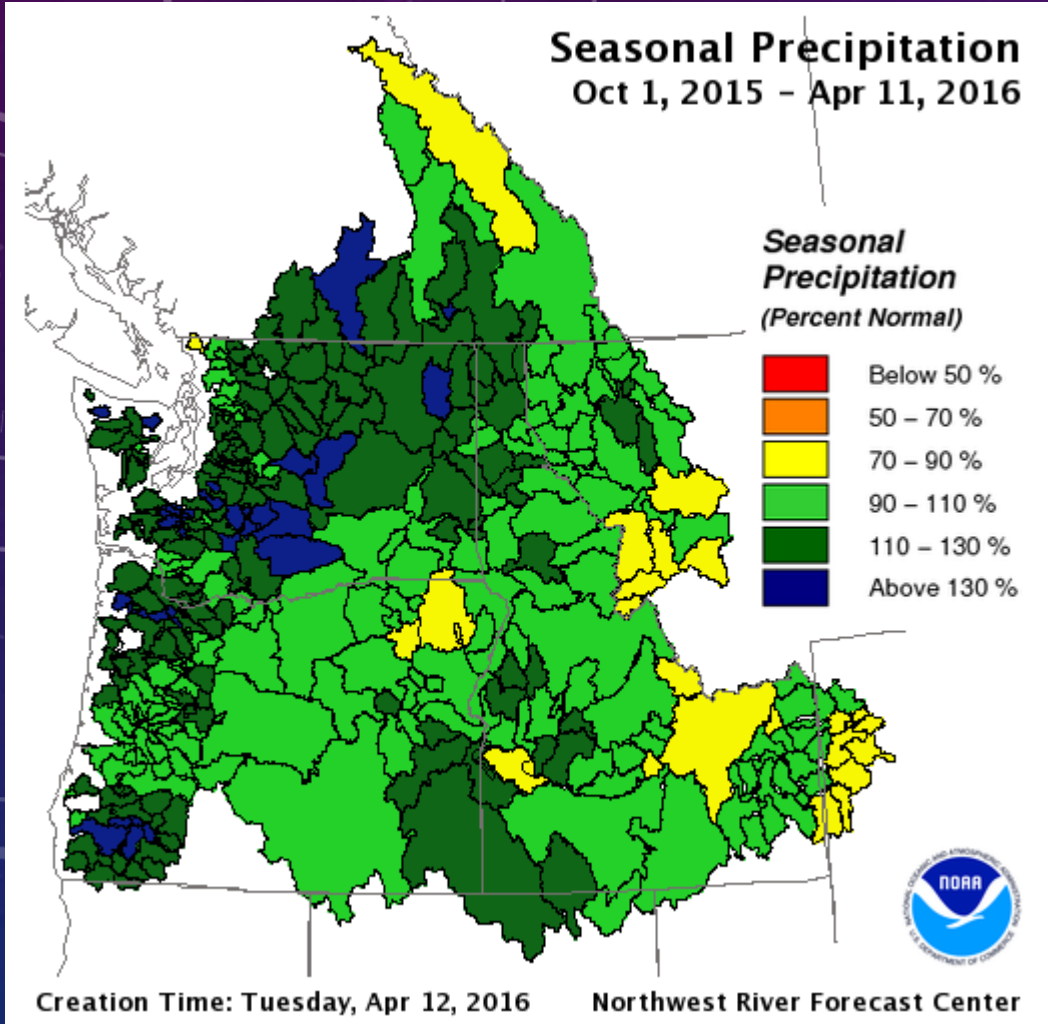
NOAA NORTHWEST RIVER FORECAST CENTER

DIVISION NAME	April 1 -11	Oct	Nov	Dec	Jan	Feb	Mar
Malheur-Owyhee-Boise River Basins	6.4	5.4	-3.5	-0.1	0.6	4.1	1.6
Grande Ronde River Basin	7.0	5.6	-2.5	1.3	2.2	5.5	1.4
Middle Columbia Lower Tribs	7.1	5.1	-3.0	0.4	0.7	4.7	1.1
Coastal River Basins	6.3	4.9	-1.5	1.7	2.5	4.7	1.6
Clackamas River Basin	5.9	4.3	-2.7	0.9	1.0	4.2	1.1
Willamette River Basin abv Harrisburg	5.8	4.2	-2.4	1.0	1.0	4.0	0.9
Santiam River Basin	6.1	4.6	-2.2	1.1	1.1	4.2	1.0
Coquille River Basin	6.1	4.6	-2.2	1.2	1.5	4.2	1.5
Umpqua River Basin	6.6	4.9	-2.2	0.7	1.4	4.4	1.4
Rogue-Illinois River Basins	6.6	4.7	-2.4	0.5	1.2	4.1	1.2

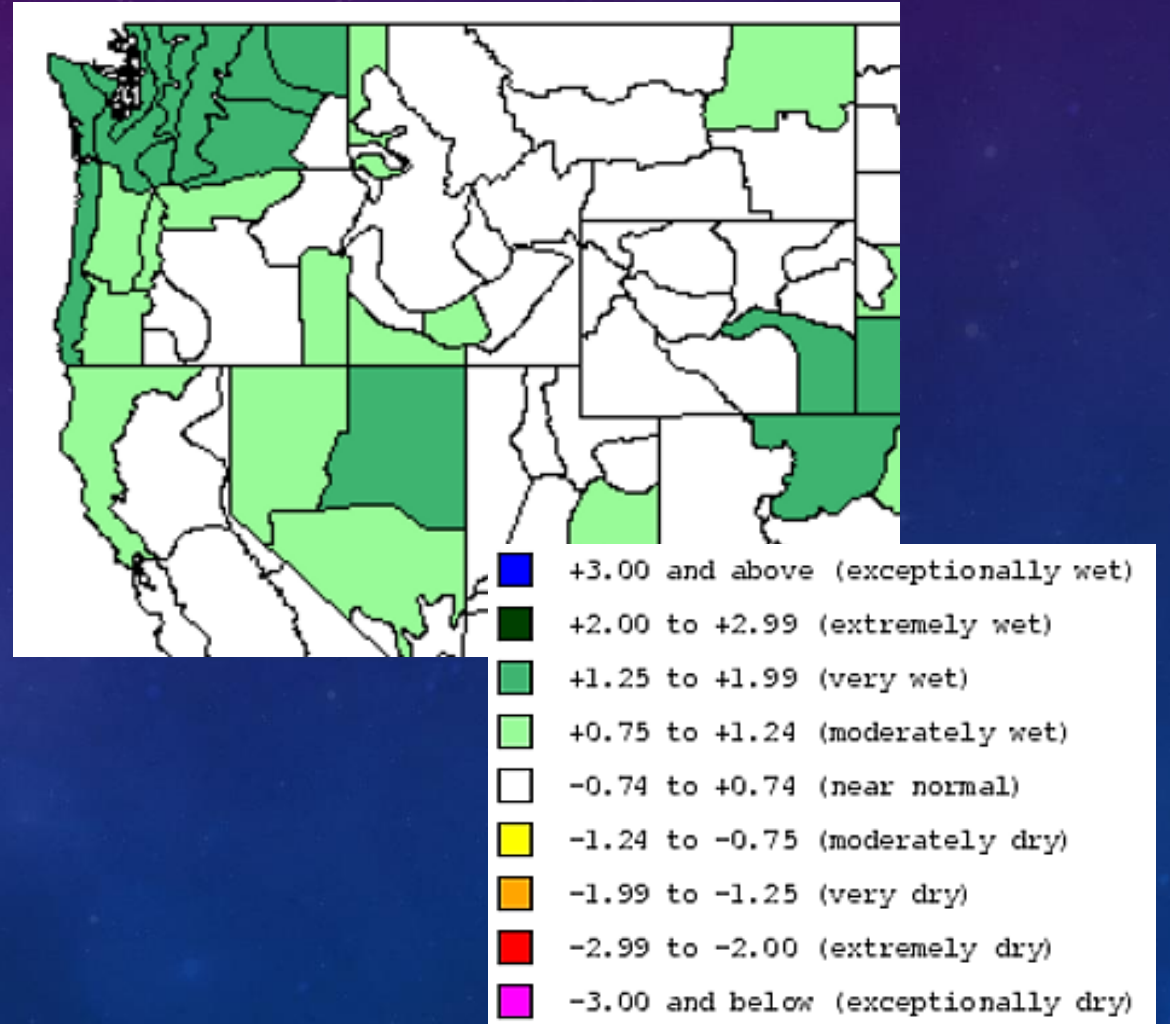
OBSERVED PRECIPITATION

NOAA NORTHWEST RIVER FORECAST CENTER
& WESTERN REGIONAL CLIMATE CENTER

WATER YEAR PERCENT OF AVERAGE



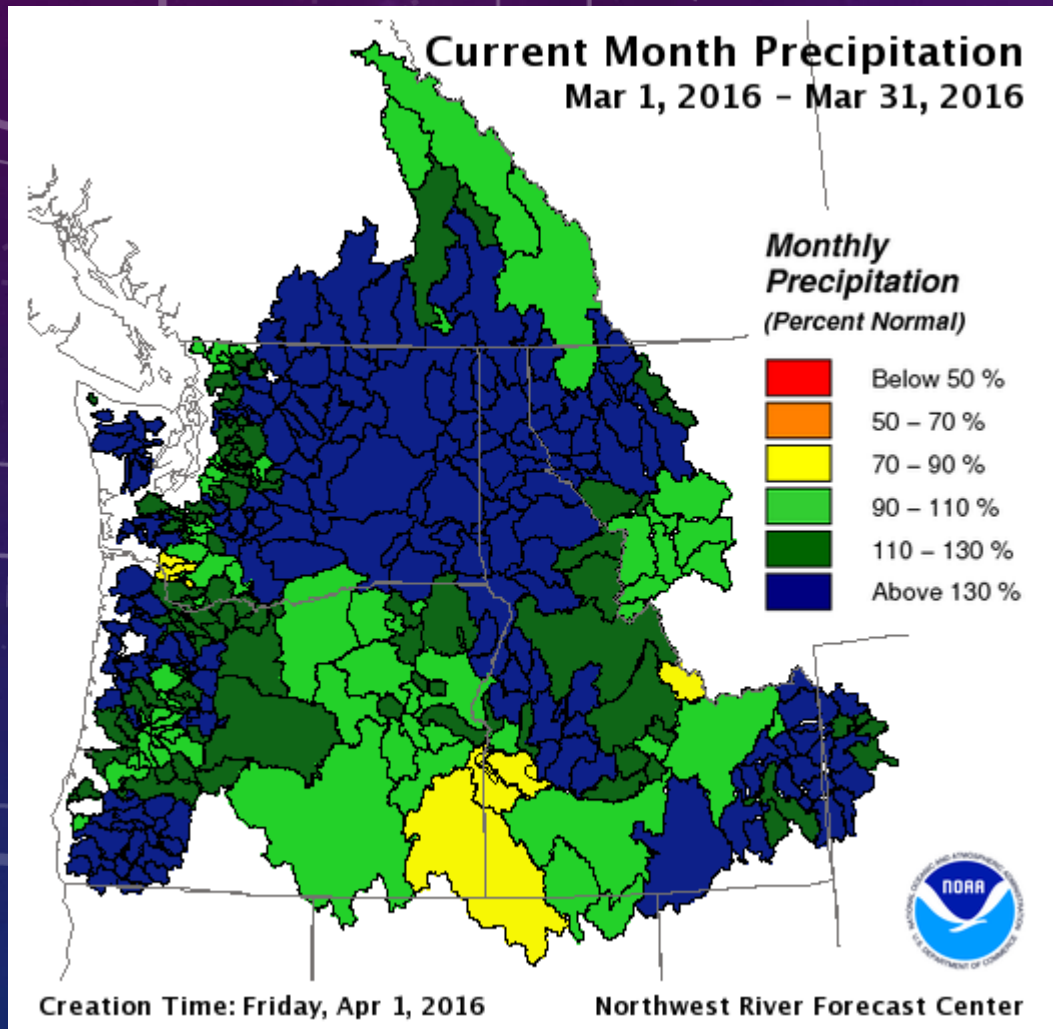
6 MONTH STANDARDIZED PRECIPITATION INDEX
THROUGH THE END OF MARCH



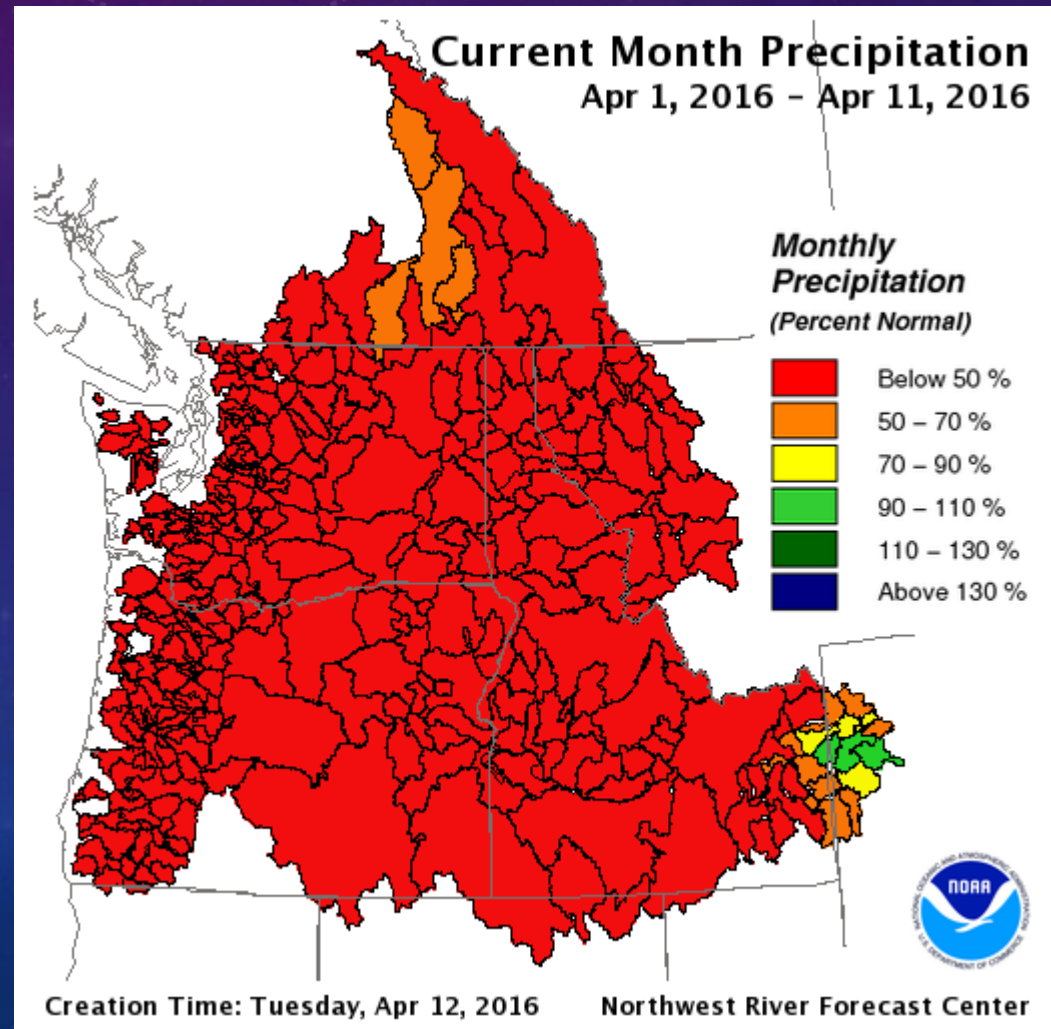
OBSERVED PRECIPITATION

NOAA NORTHWEST RIVER FORECAST CENTER
& WESTERN REGIONAL CLIMATE CENTER

MARCH

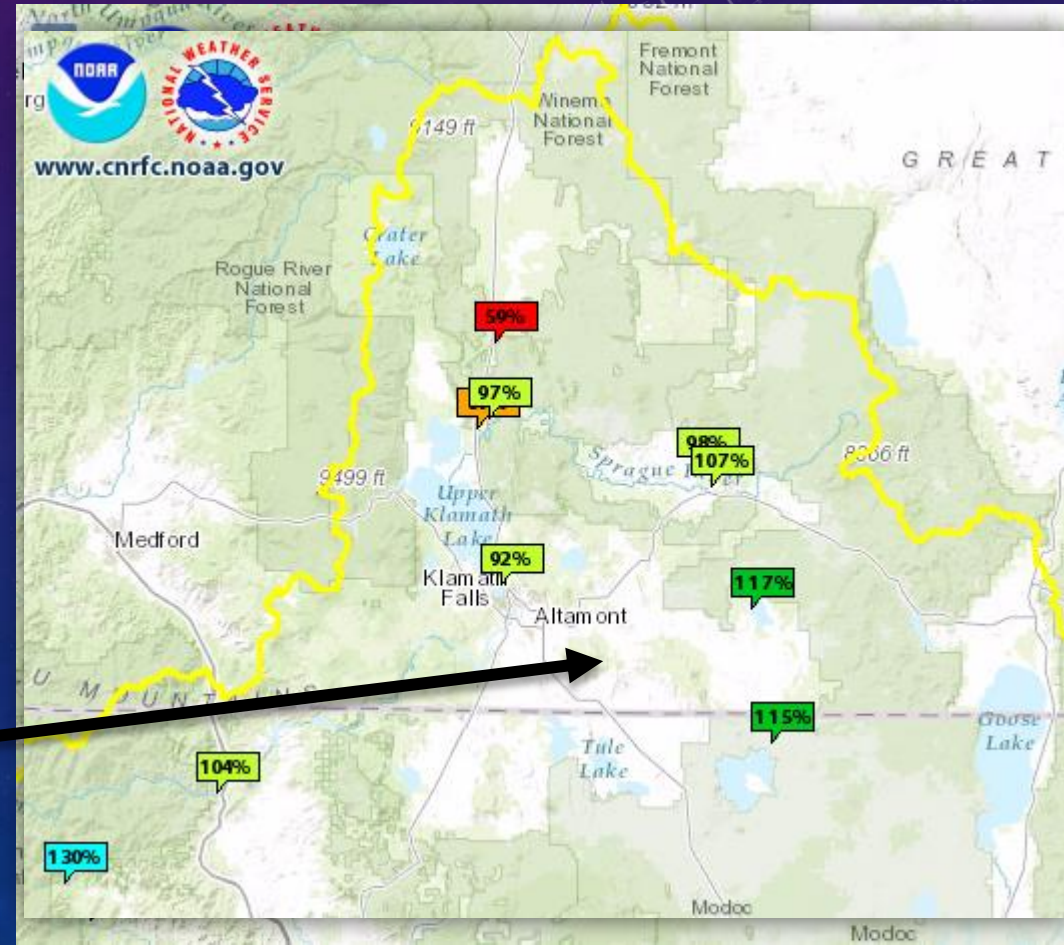
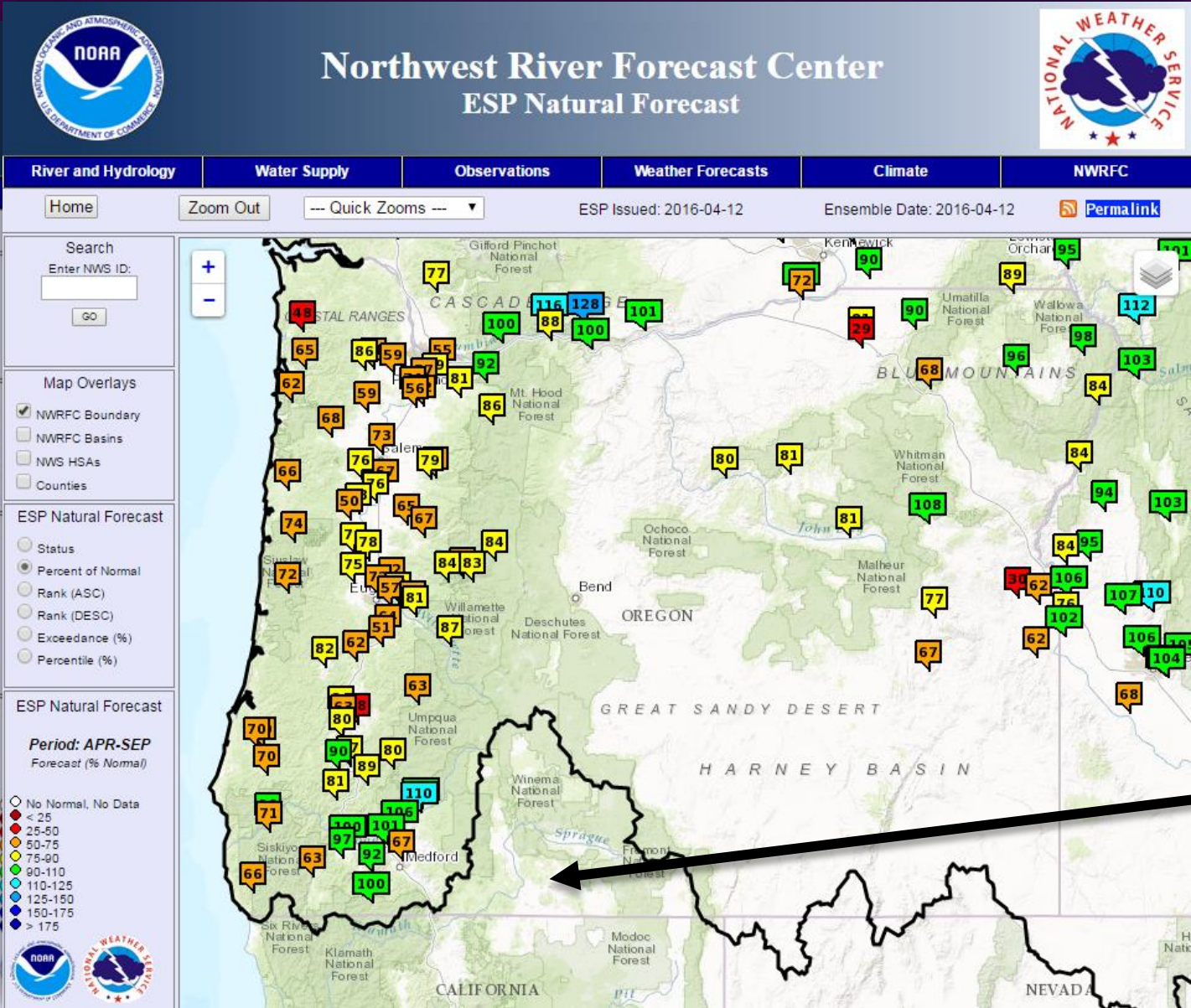


APRIL 1 - 11



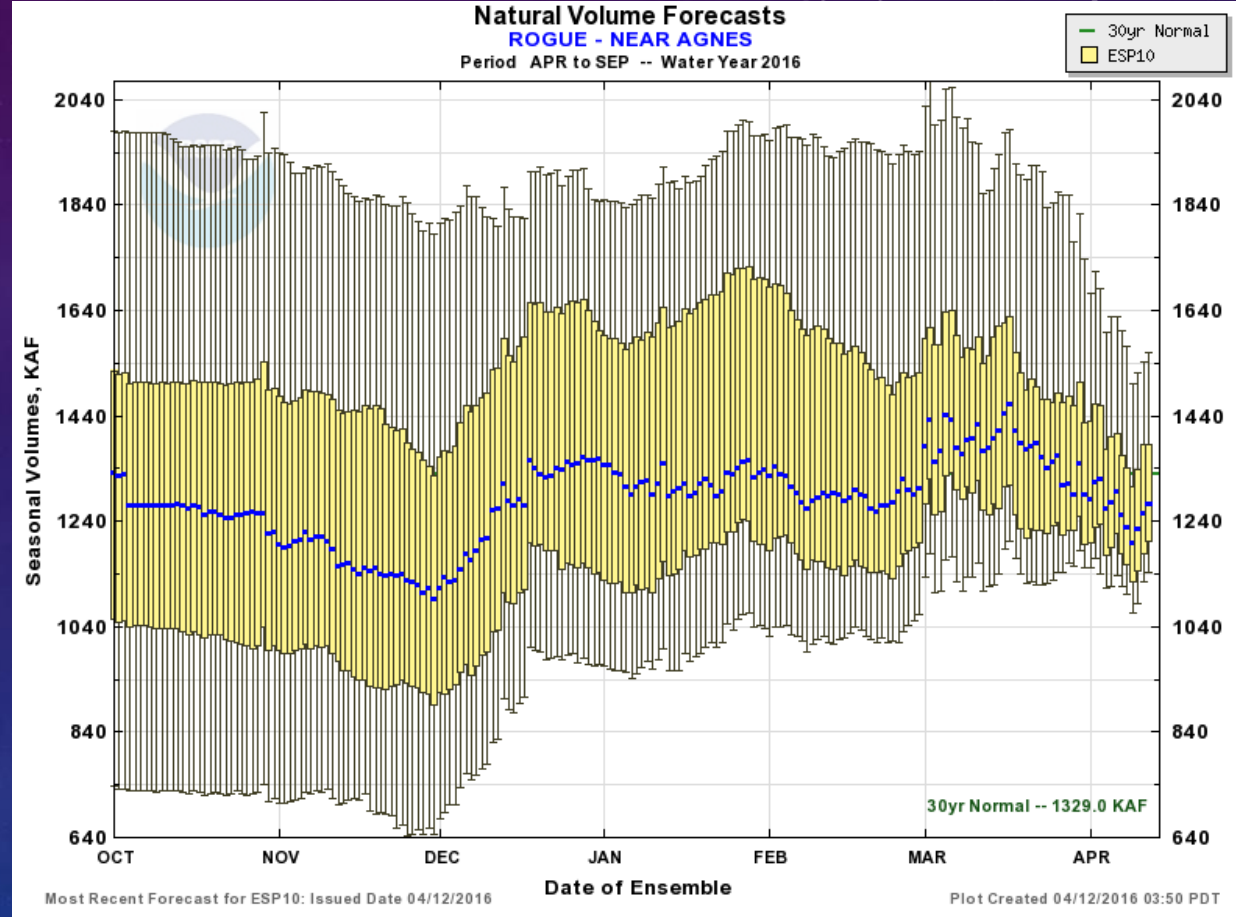
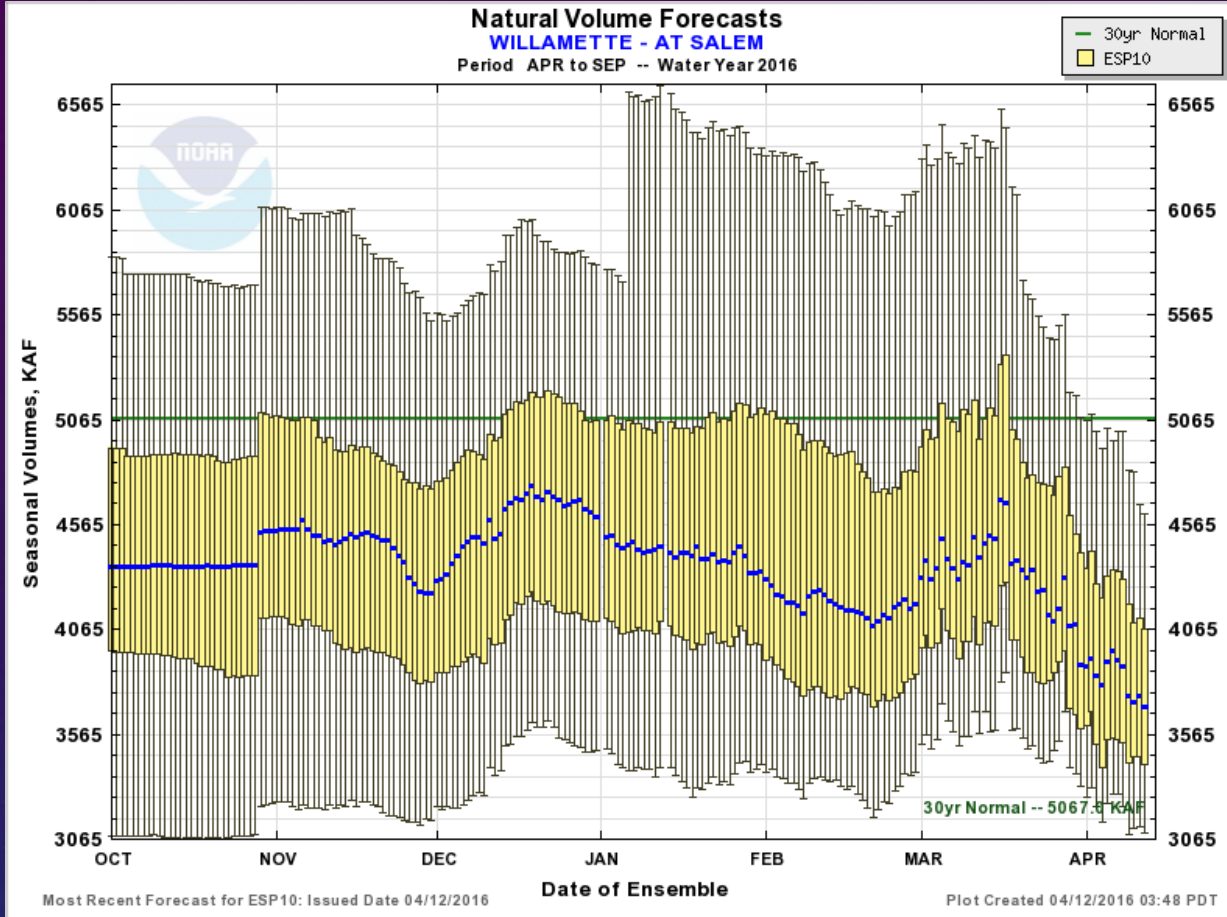
WATER SUPPLY FORECASTS

NOAA NORTHWEST RFC & CALIFORNIA-NEVADA RFC



WATER SUPPLY FORECASTS

NOAA NORTHWEST RFC & CALIFORNIA-NEVADA RFC

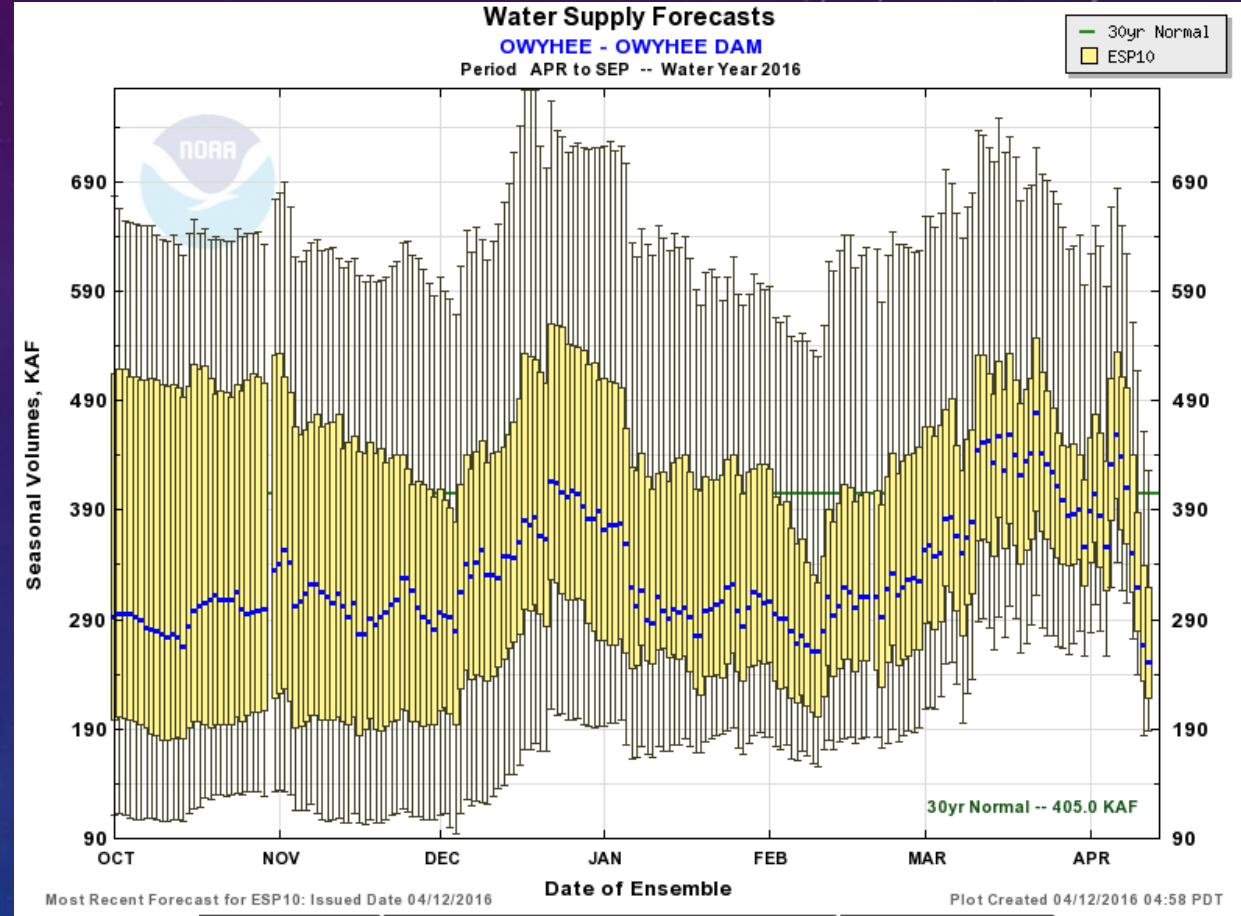
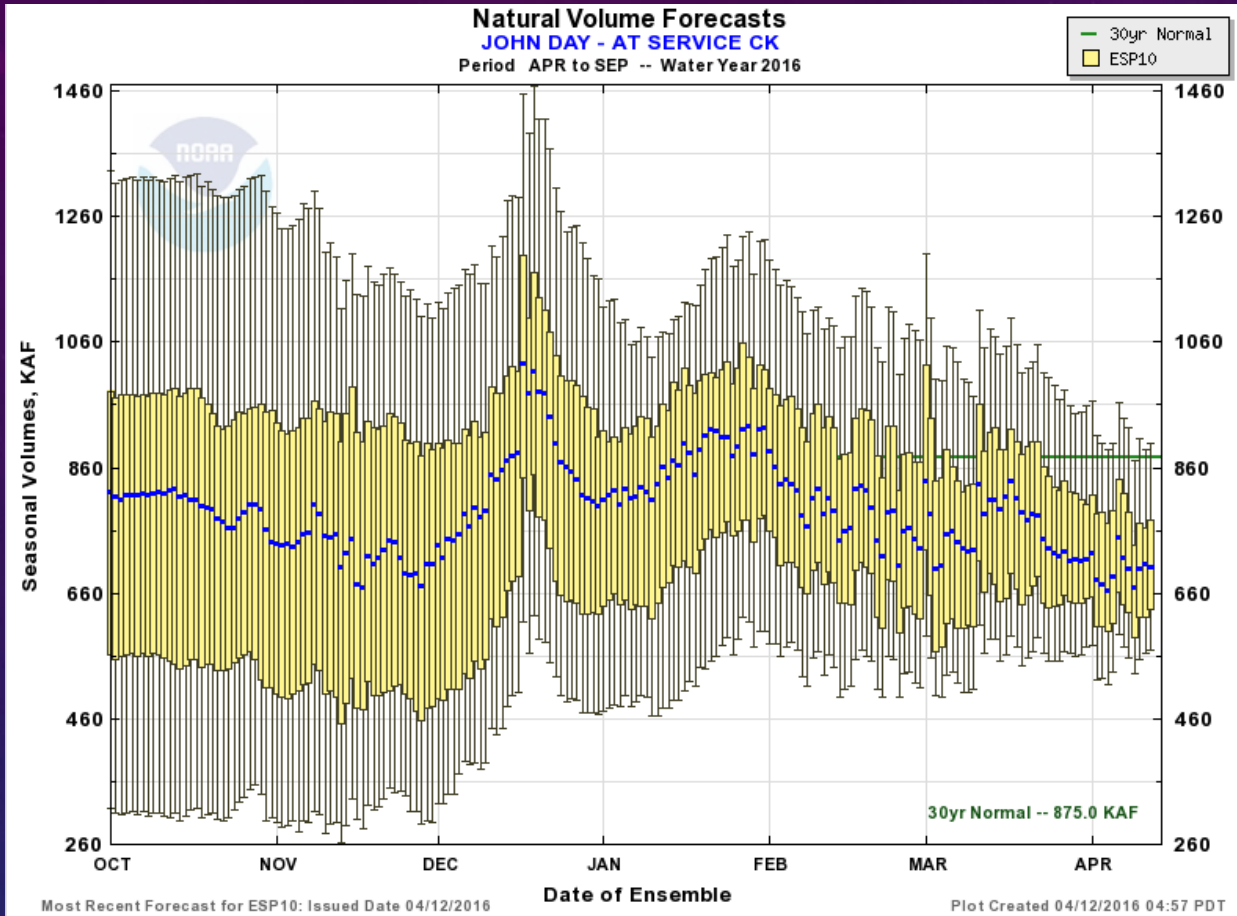


Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	3097	3694	73	4618	5067
APR-JUL	2691	3207	71	4167	4496
JAN-SEP	11218	11815	97	12739	12226
JAN-JUL	10813	11328	97	12288	11656

Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	1144	1274	96	1561	1329
APR-JUL	978	1095	95	1369	1158
JAN-SEP	3955	4086	130	4372	3132
JAN-JUL	3789	3906	132	4180	2961

WATER SUPPLY FORECASTS

NOAA NORTHWEST RFC & CALIFORNIA-NEVADA RFC

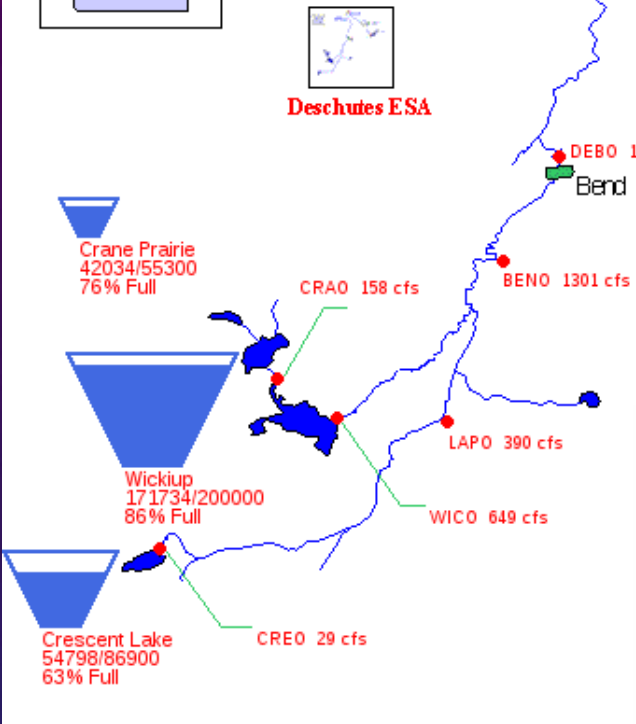
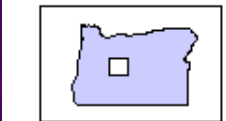


Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	570	703	80	899	875
APR-JUL	531	661	80	846	828
JAN-SEP	1223	1356	98	1552	1388
JAN-JUL	1184	1314	98	1499	1341

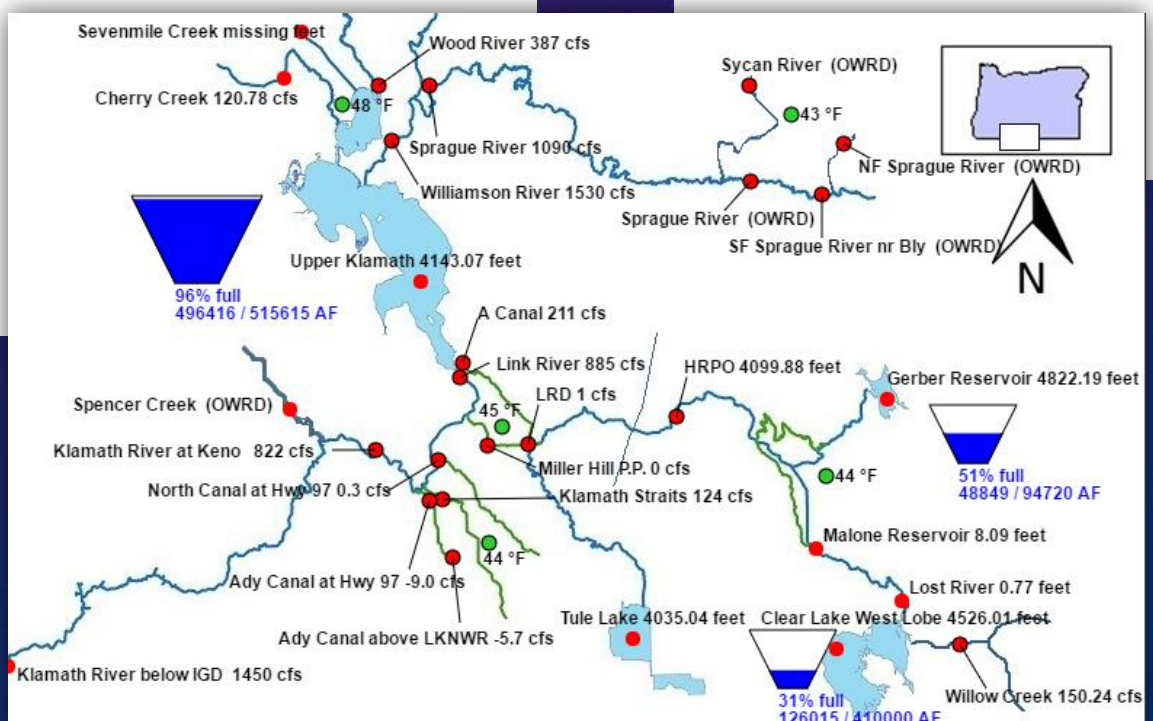
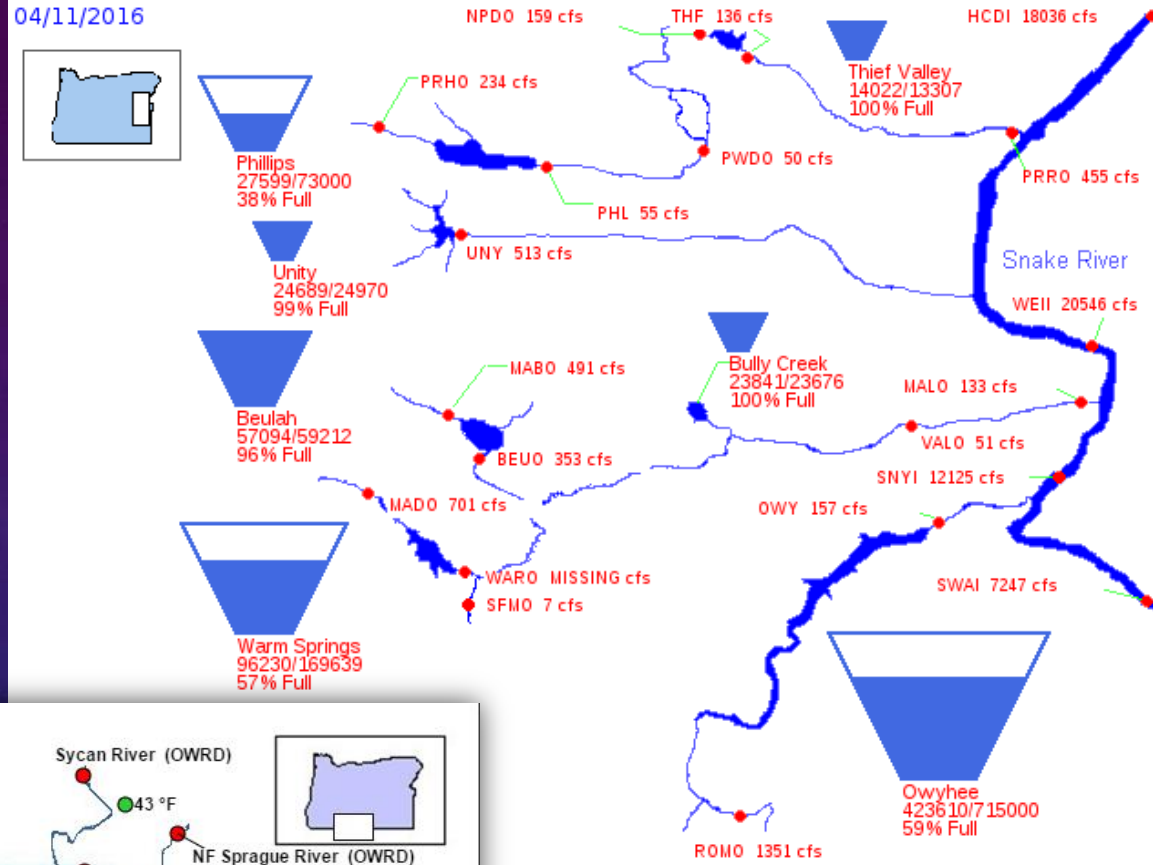
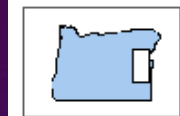
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	188	250	62	426	405
APR-JUL	163	221	59	390	375
JAN-SEP	527	589	83	765	707
JAN-JUL	502	560	83	729	677

RESERVOIRS - CENTRAL & EAST

04/11/2016

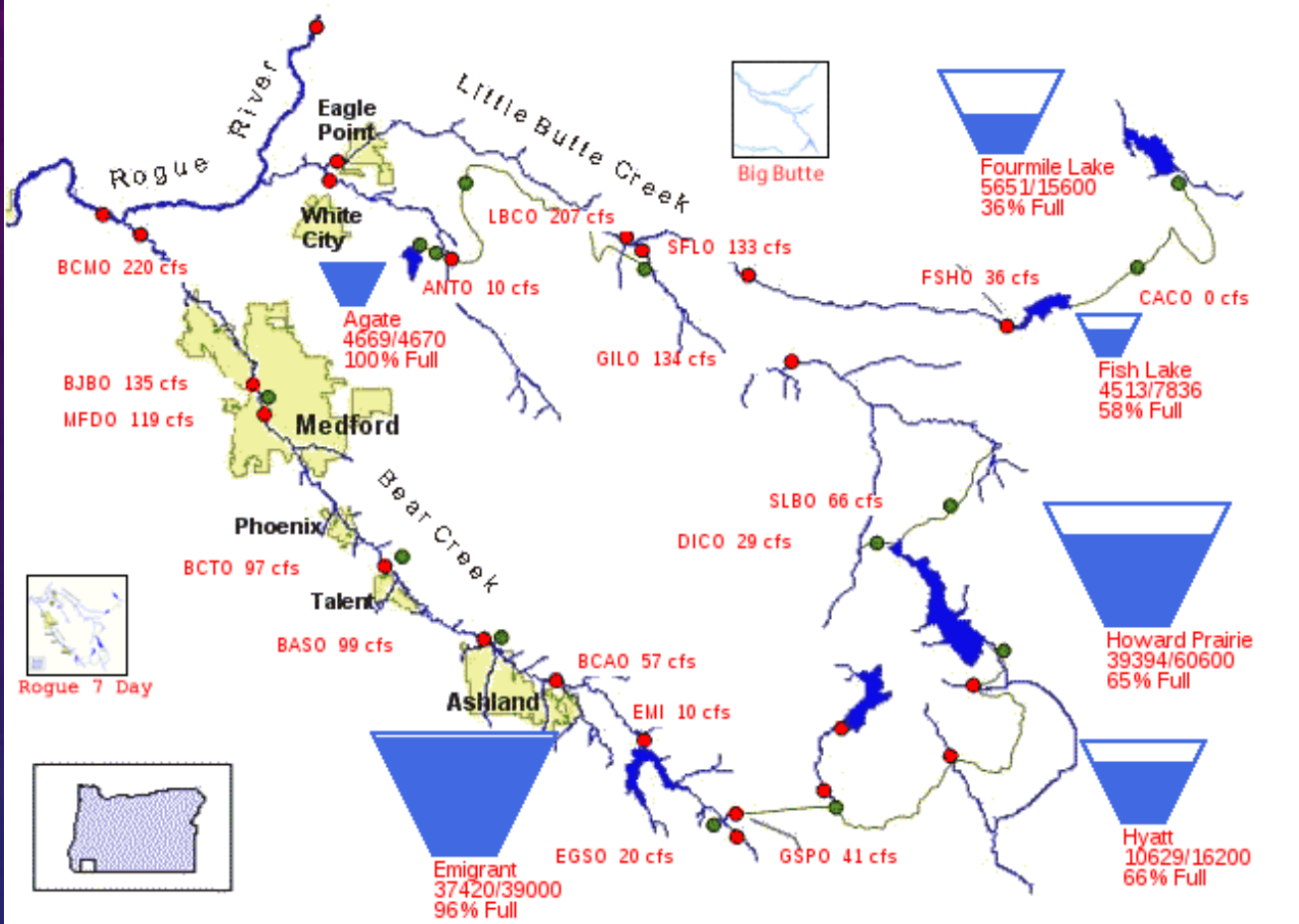


04/11/2016



RESERVOIRS - WEST

04/11/2016

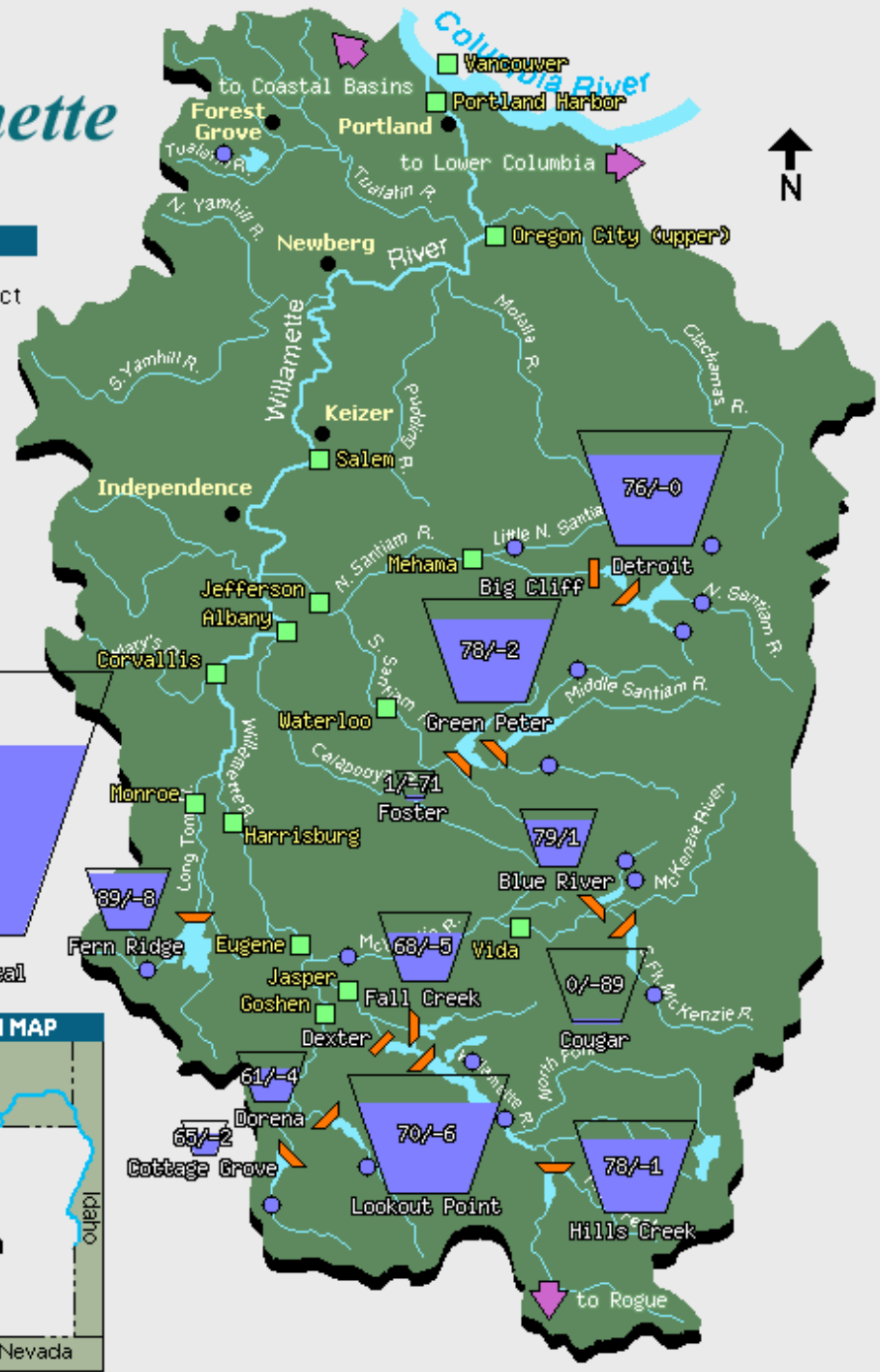
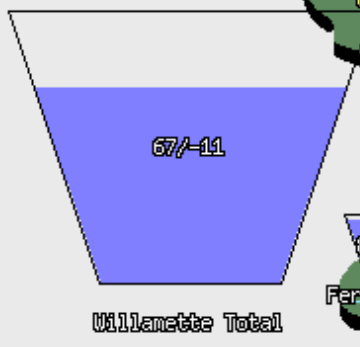


The Willamette Basin

LEGEND

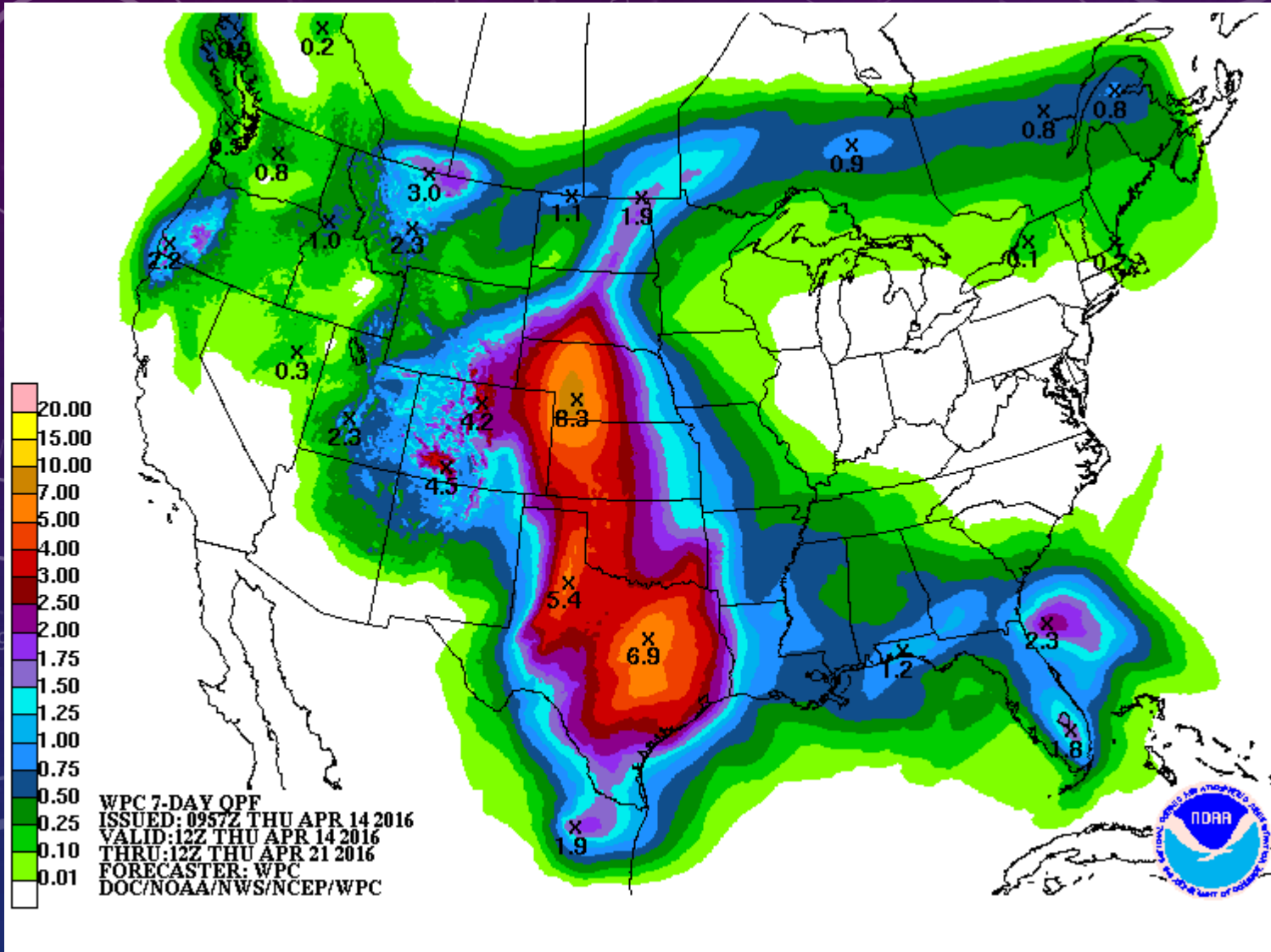
- Storage Project
- Run of River
- Gage
- No Alerts
- Bank Full
- Flood Stage

Overview



TOTAL PRECIP NEXT 7 DAYS

NOAA NWS WEATHER PREDICTION CENTER

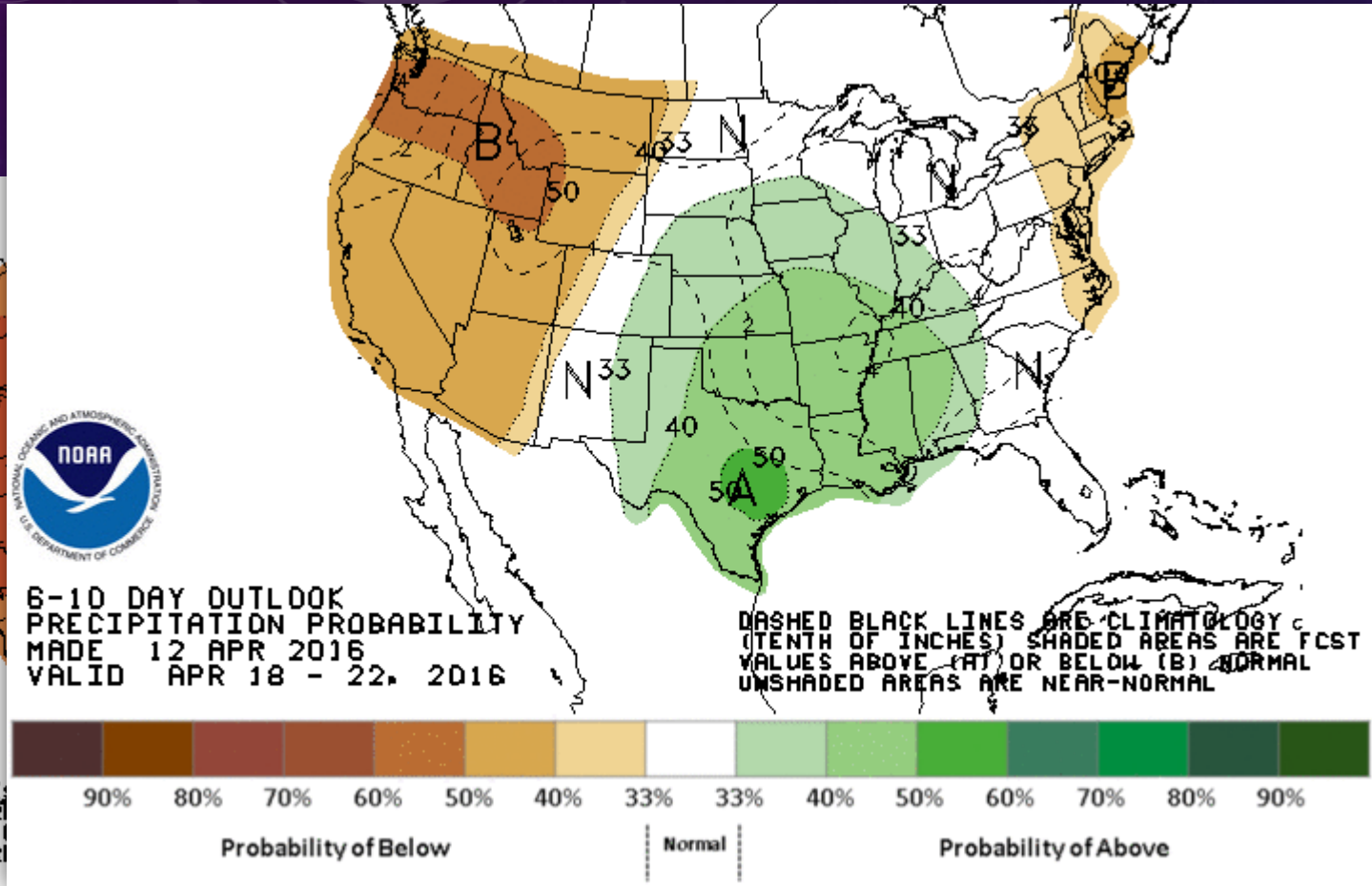
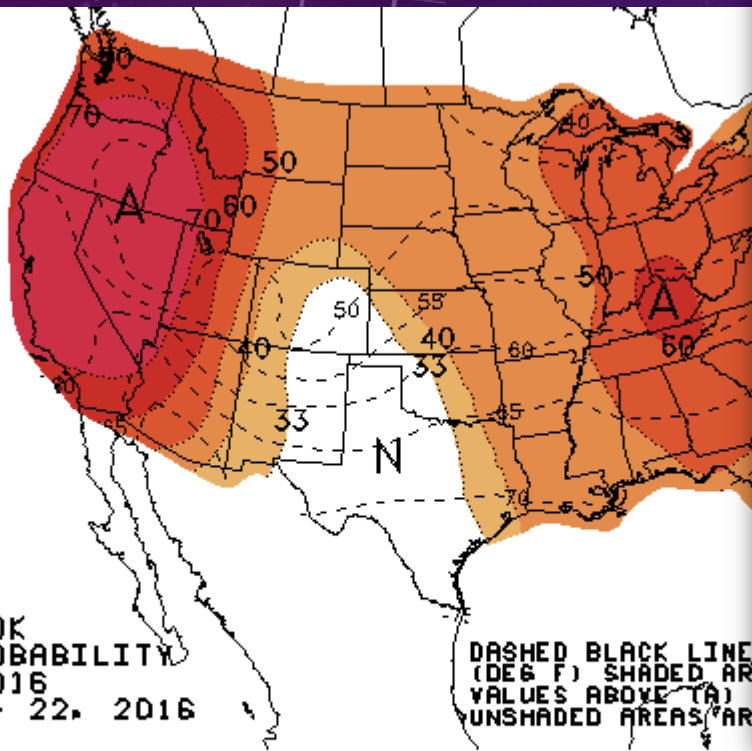


1 - 2 INCHES IN SOUTHWEST OREGON
LESS THAN 1 INCH FOR REST OF STATE
MOST OF THIS OCCURS IN FIRST 2 DAYS,
WITH MAINLY DRY WEATHER THEREAFTER.

SOURCE: WWW.WCP.NCEP.NOAA.GOV

6 TO 10 DAY OUTLOOKS

NOAA CLIMATE PREDICTION CENTER

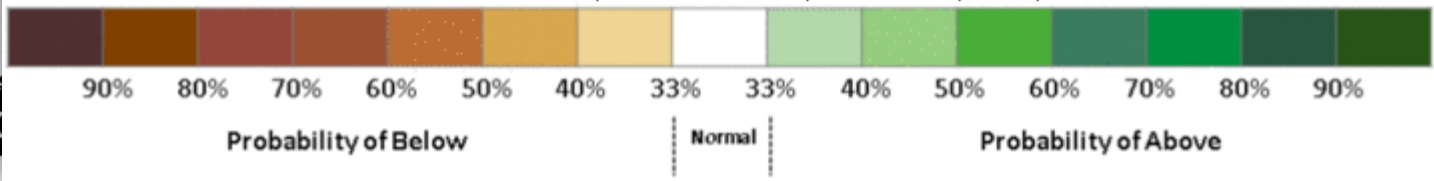
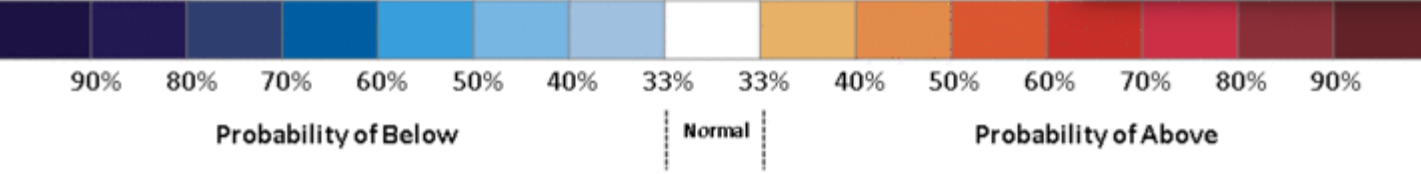


6-10 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 12 APR 2016
VALID APR 18 - 22, 2016

DASHED BLACK LINE (DEG F) SHADED AREAS ARE FCST VALUES ABOVE (A) OR BELOW (B) NORMAL UNSHADED AREAS ARE NEAR-NORMAL

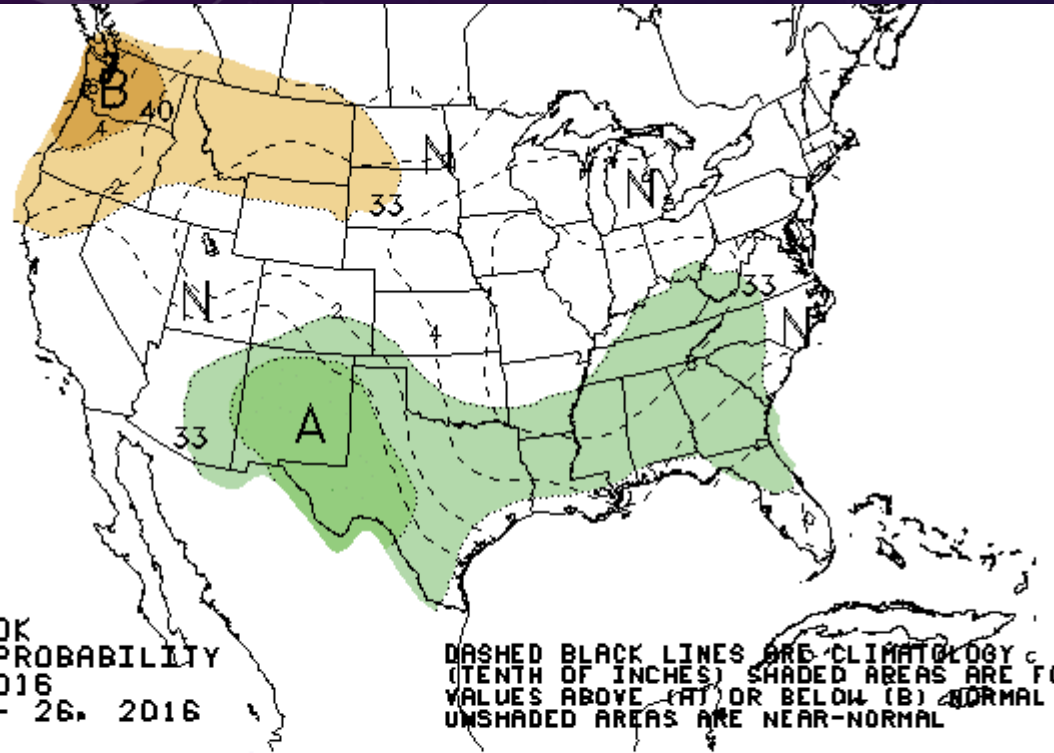
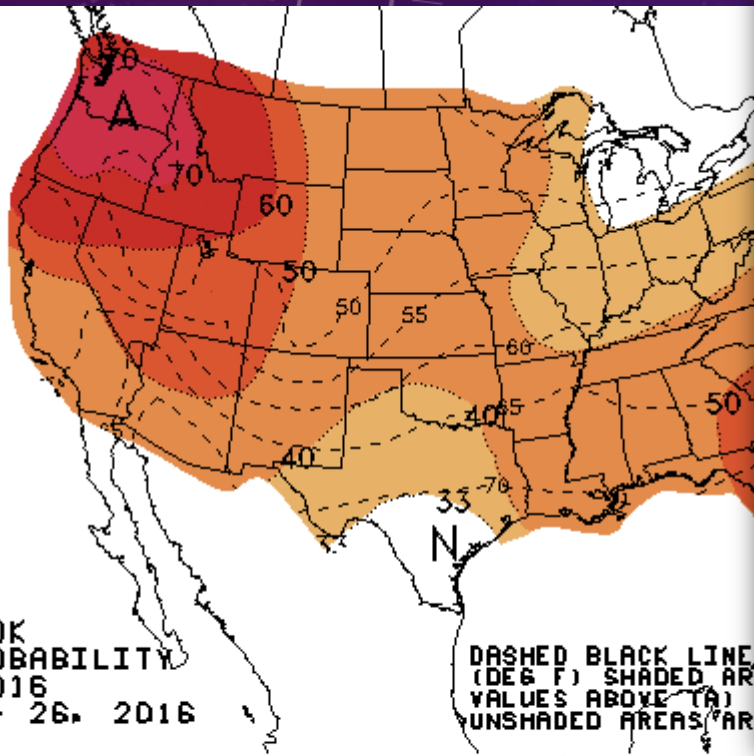
6-10 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 12 APR 2016
VALID APR 18 - 22, 2016

DASHED BLACK LINES ARE CLIMATOLOGY (TENTH OF INCHES) SHADED AREAS ARE FCST VALUES ABOVE (A) OR BELOW (B) NORMAL UNSHADED AREAS ARE NEAR-NORMAL



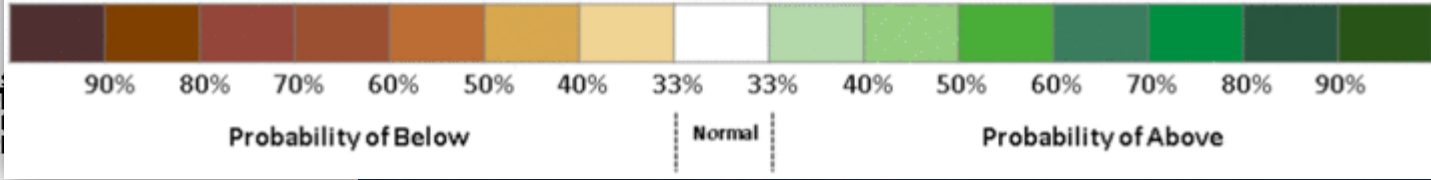
8 TO 14 DAY OUTLOOKS

NOAA CLIMATE PREDICTION CENTER



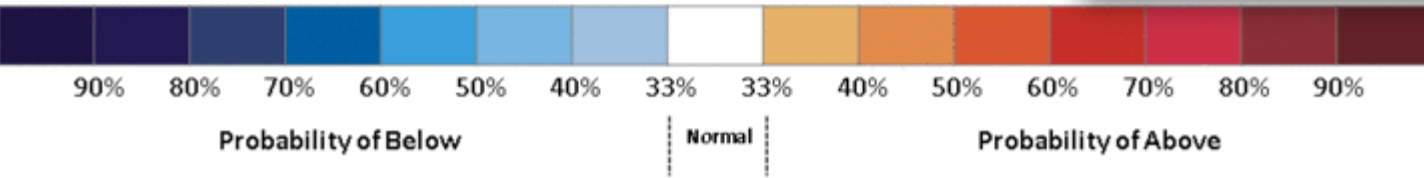
8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 12 APR 2016
VALID APR 20 - 26, 2016

DASHED BLACK LINES ARE CLIMATOLOGY
(TENTH OF INCHES) SHADED AREAS ARE FCST
VALUES ABOVE (A) OR BELOW (B) NORMAL
UNSHADED AREAS ARE NEAR-NORMAL



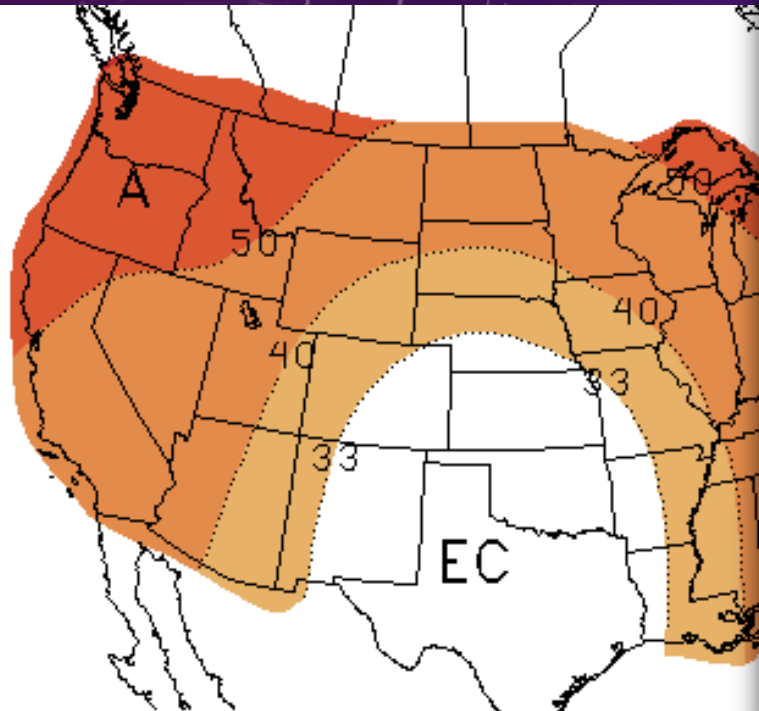
8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 12 APR 2016
VALID APR 20 - 26, 2016

DASHED BLACK LINE:
(DEG F) SHADED AREAS ARE FCST
VALUES ABOVE (A) OR BELOW (B) NORMAL
UNSHADED AREAS ARE NEAR-NORMAL



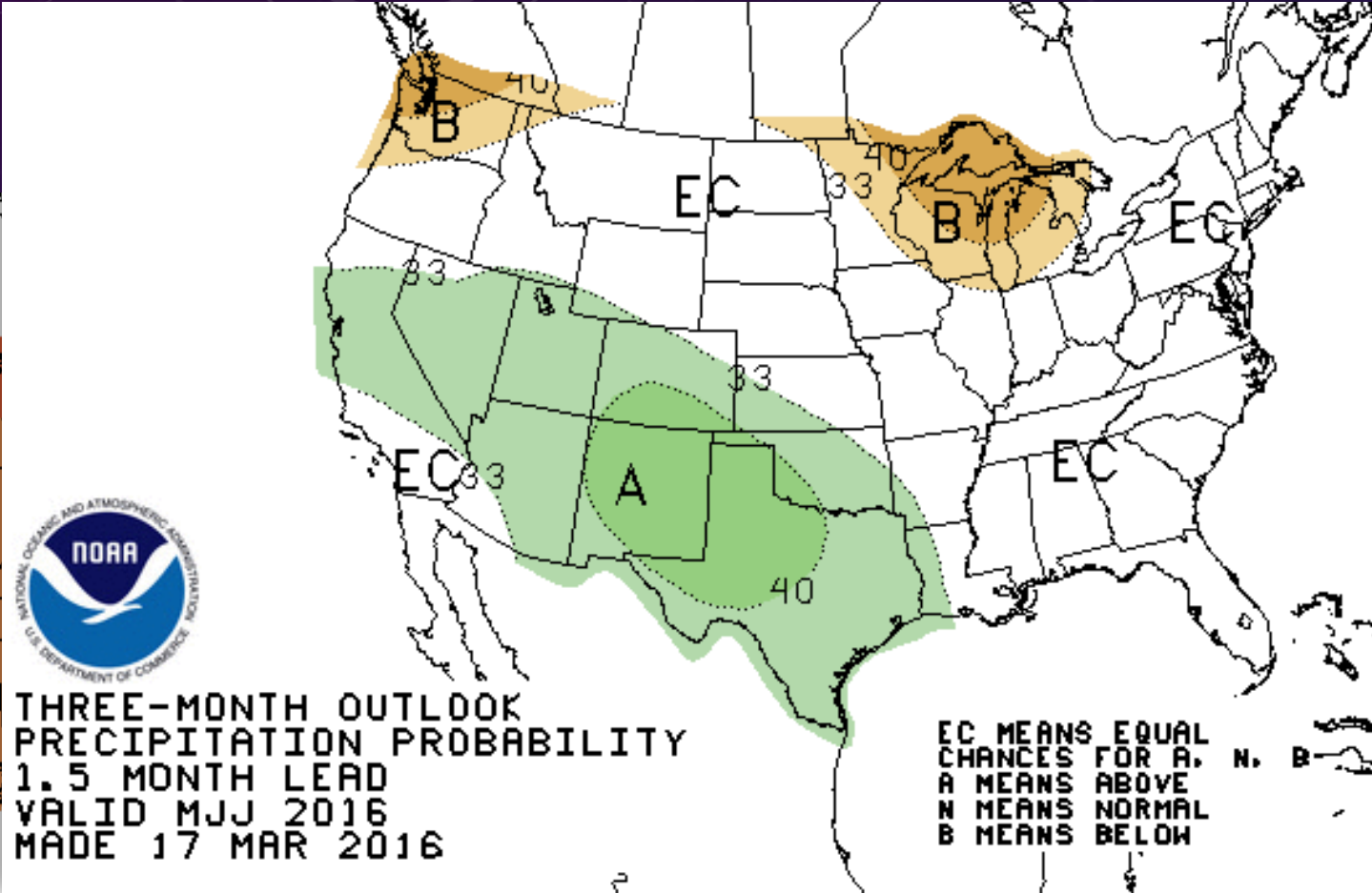
MAY-JUNE-JULY OUTLOOKS

NOAA CLIMATE PREDICTION CENTER



THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
1.5 MONTH LEAD
VALID MJJ 2016
MADE 17 MAR 2016

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW



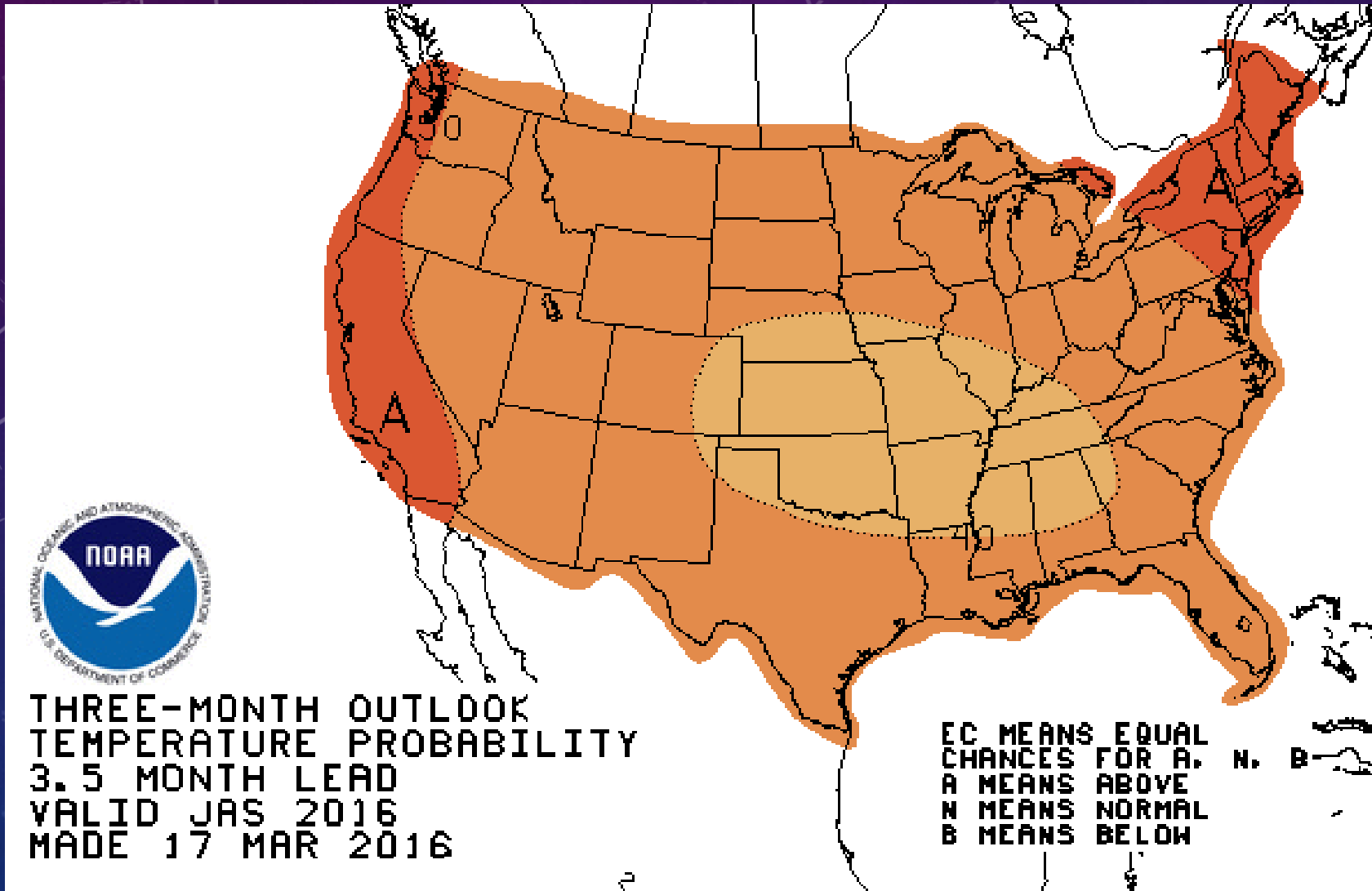
THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
1.5 MONTH LEAD
VALID MJJ 2016
MADE 17 MAR 2016

EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

SUMMER TEMPERATURES

NOAA CLIMATE PREDICTION CENTER

JULY – AUGUST – SEPTEMBER





Streamflow Conditions

April 13, 2016

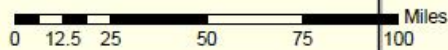
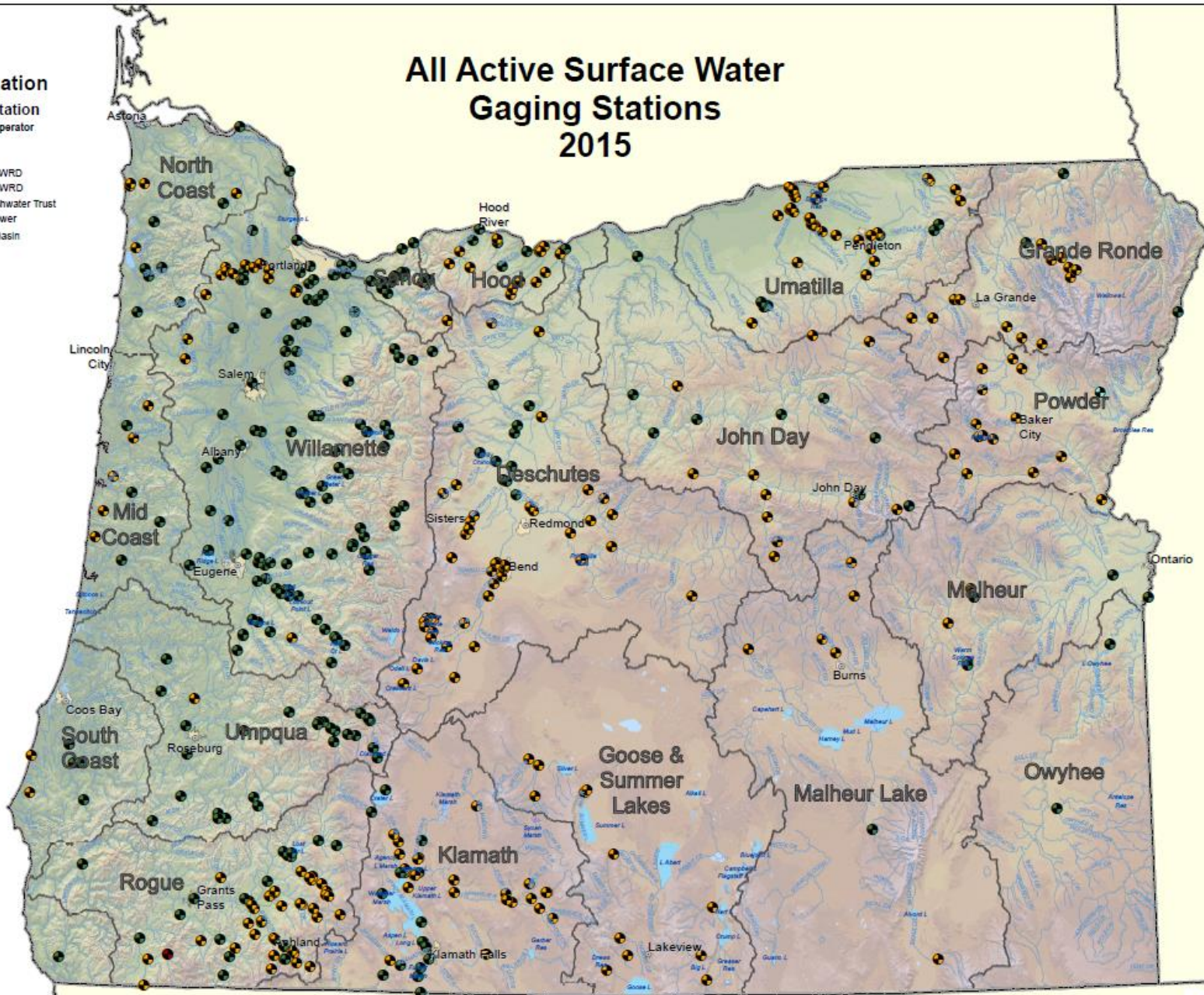
Ken Stahr

Oregon Water Resources Department

All Active Surface Water Gaging Stations 2015

Explanation

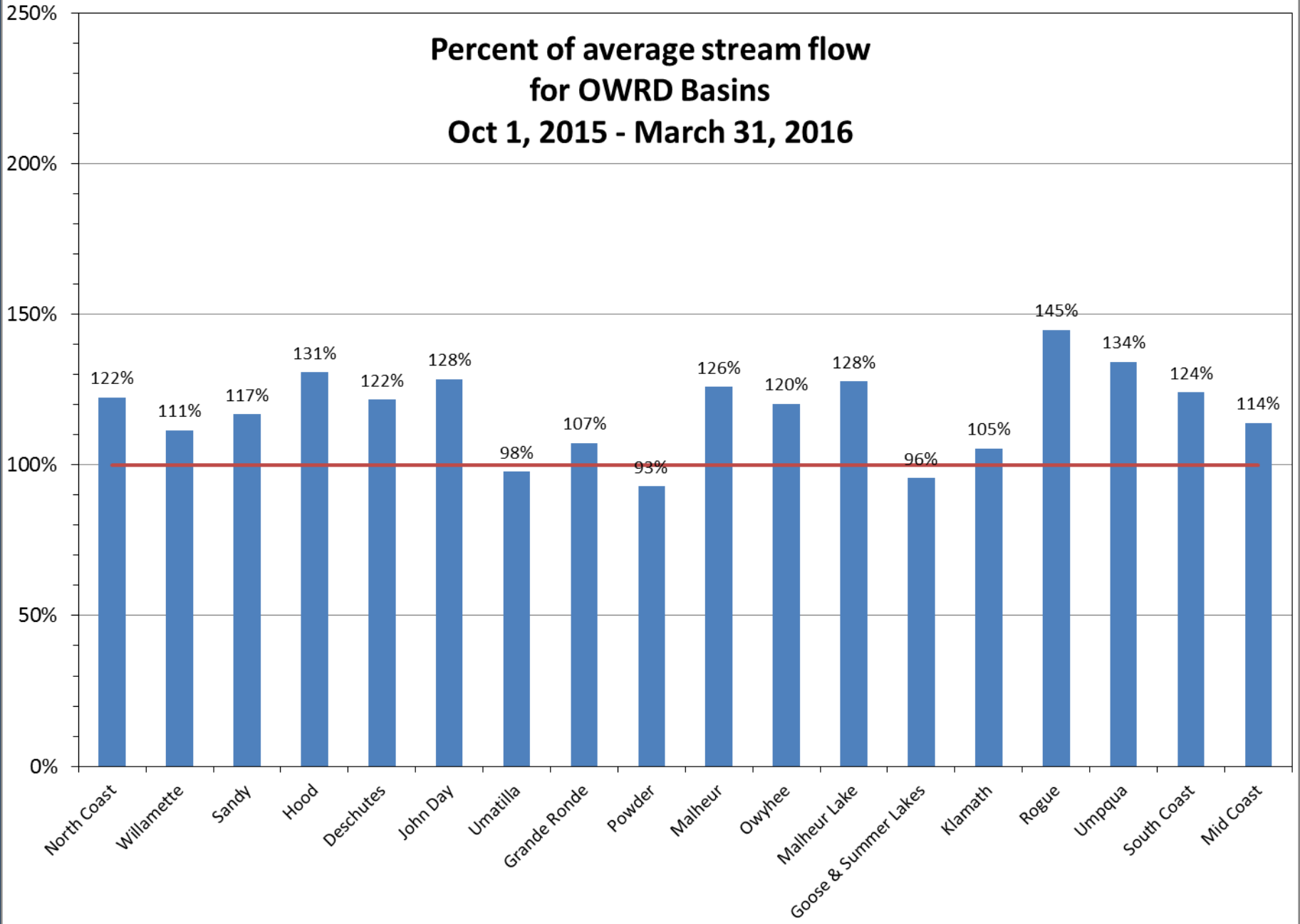
- Gaging station
- Operator/Cooperator
- USGS
 - OWRD
 - USBR/OWRD
 - USGS/OWRD
 - The Freshwater Trust
 - Idaho Power
 - OWRD Basin
 - City



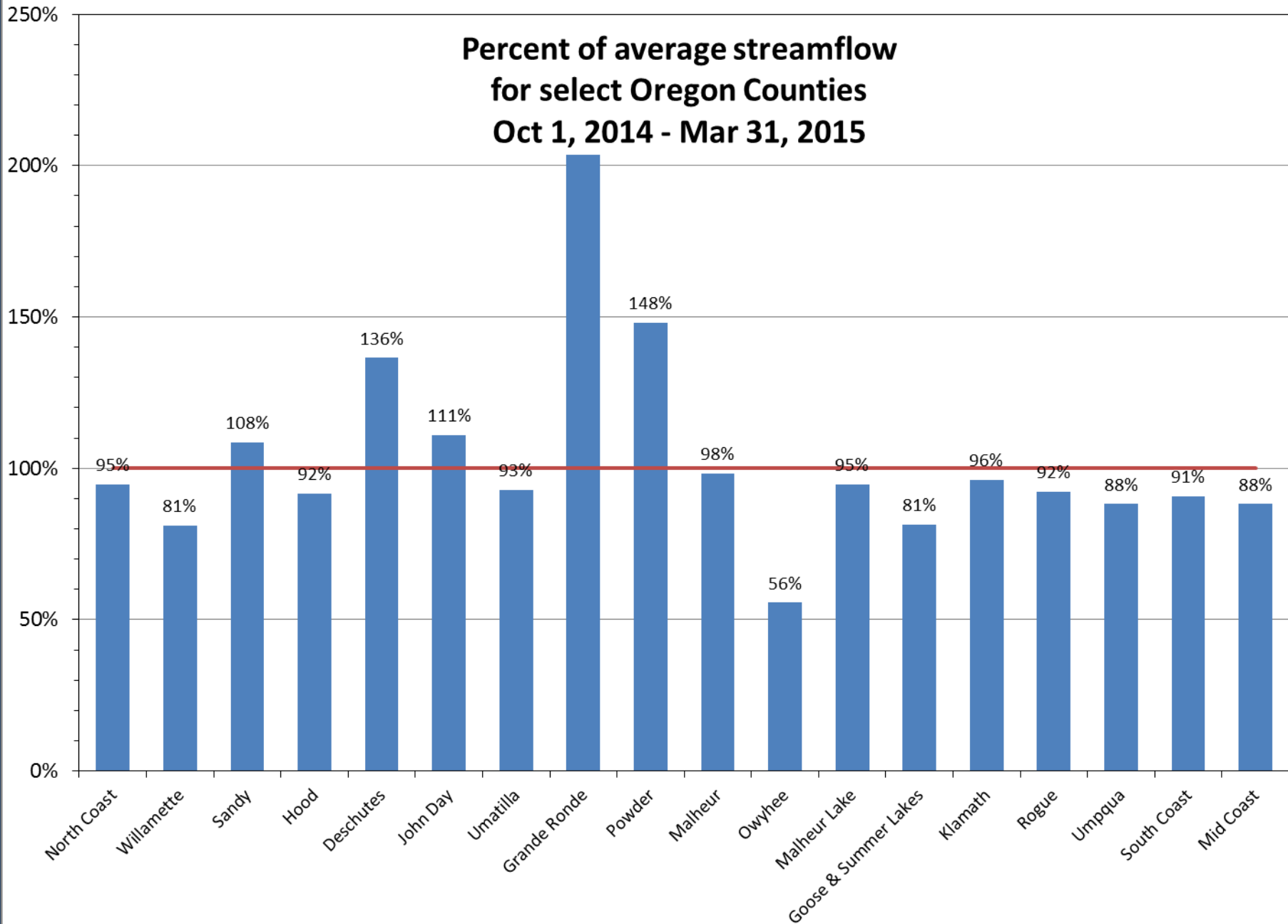
DISCLAIMER & CONTACT INFO
 This product is an informational product and may not be used for legal, engineering, or planning purposes. Liability for any information should remain with the primary data and information sources to whom the liability of the information is assigned.
 This map is provided by the Oregon Water Resources Department from digital data. Any errors or omissions in the data should be directed to the Geographic Information Systems section. The OWRD neither warrants nor endorses any data or information.
 Gating address:
 110 Governor Dr., Salem, OR 97301-2000
 Web address:
 http://www.owrd.state.or.us



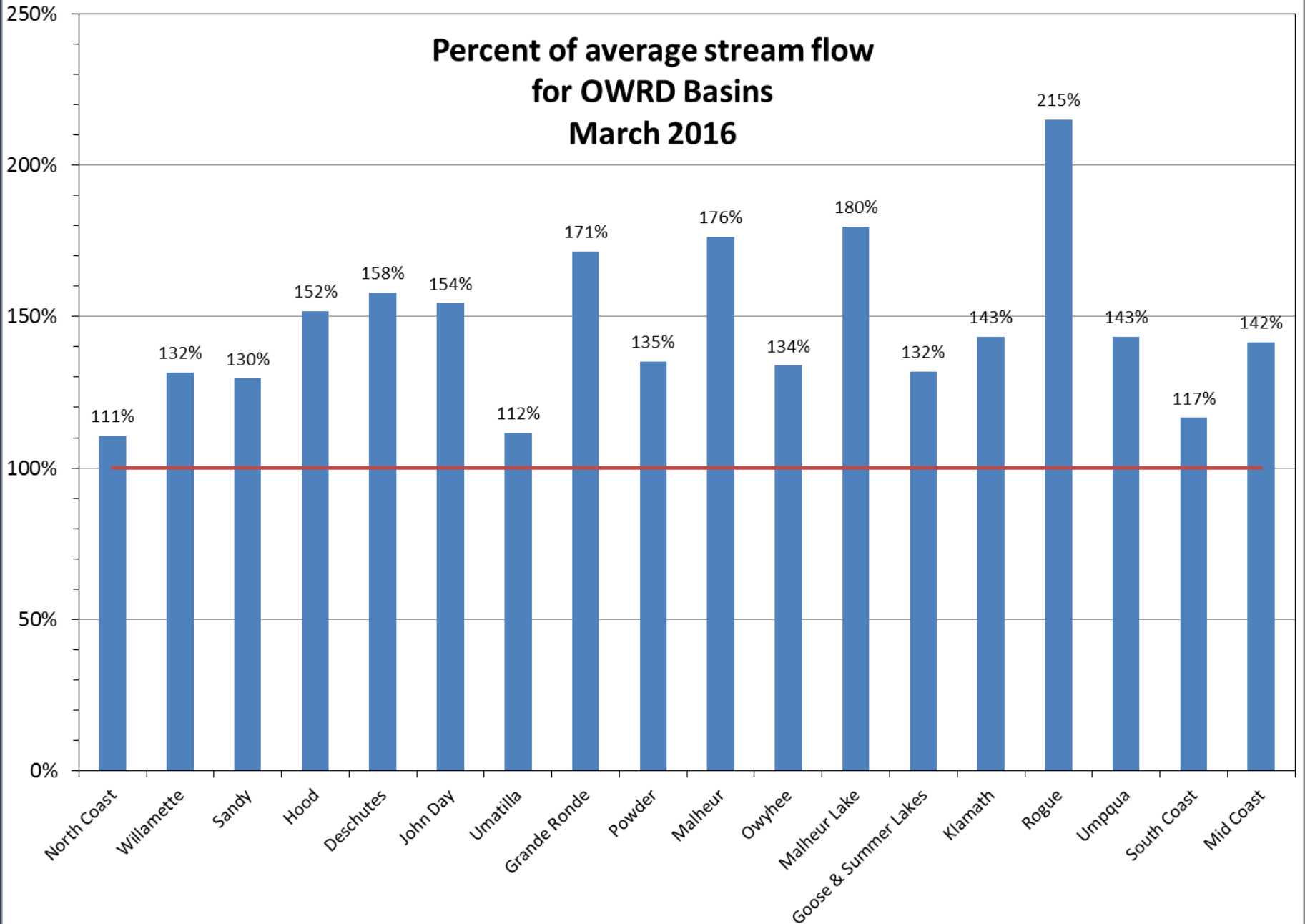
Percent of average stream flow for OWRD Basins Oct 1, 2015 - March 31, 2016



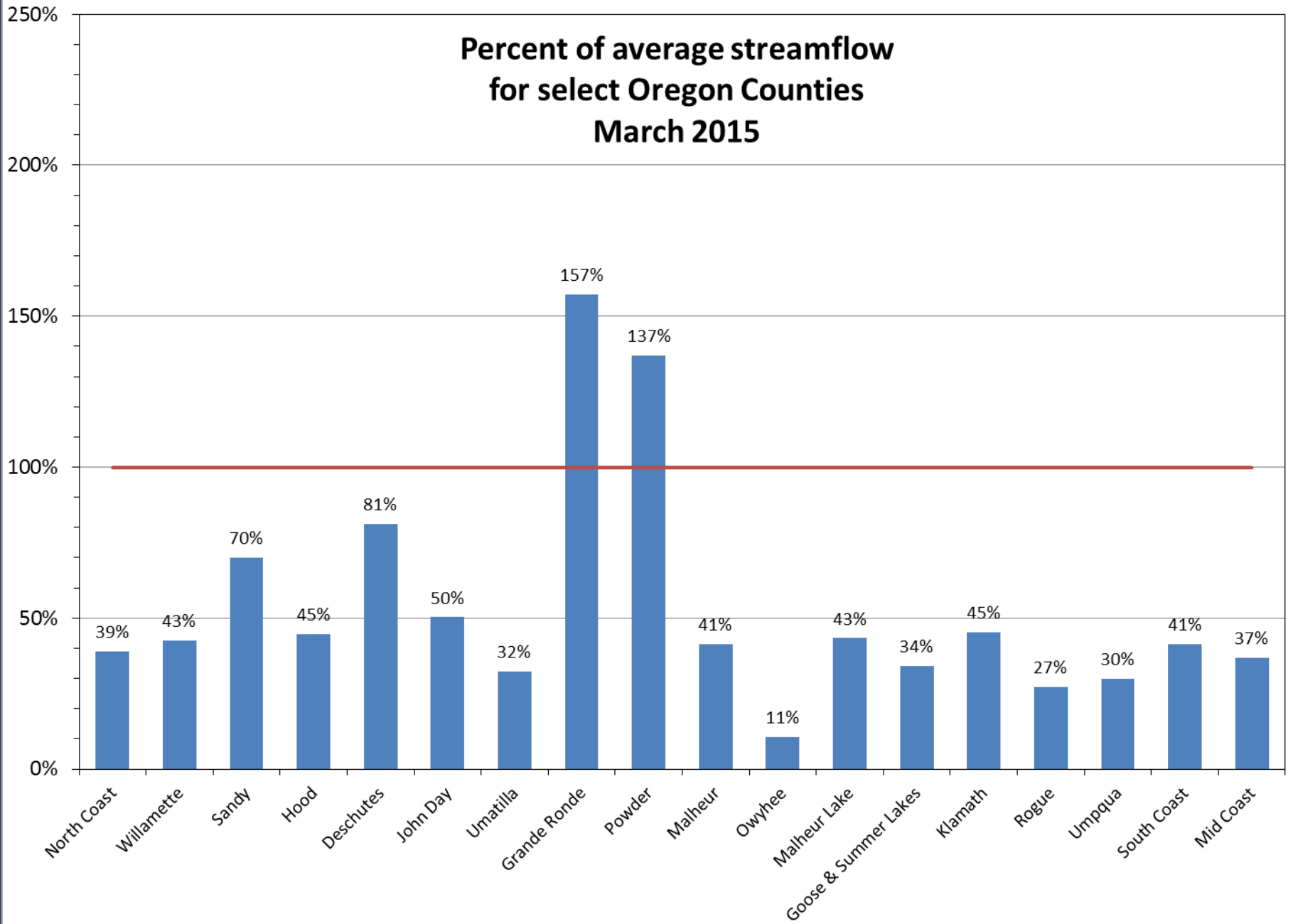
Percent of average streamflow for select Oregon Counties Oct 1, 2014 - Mar 31, 2015



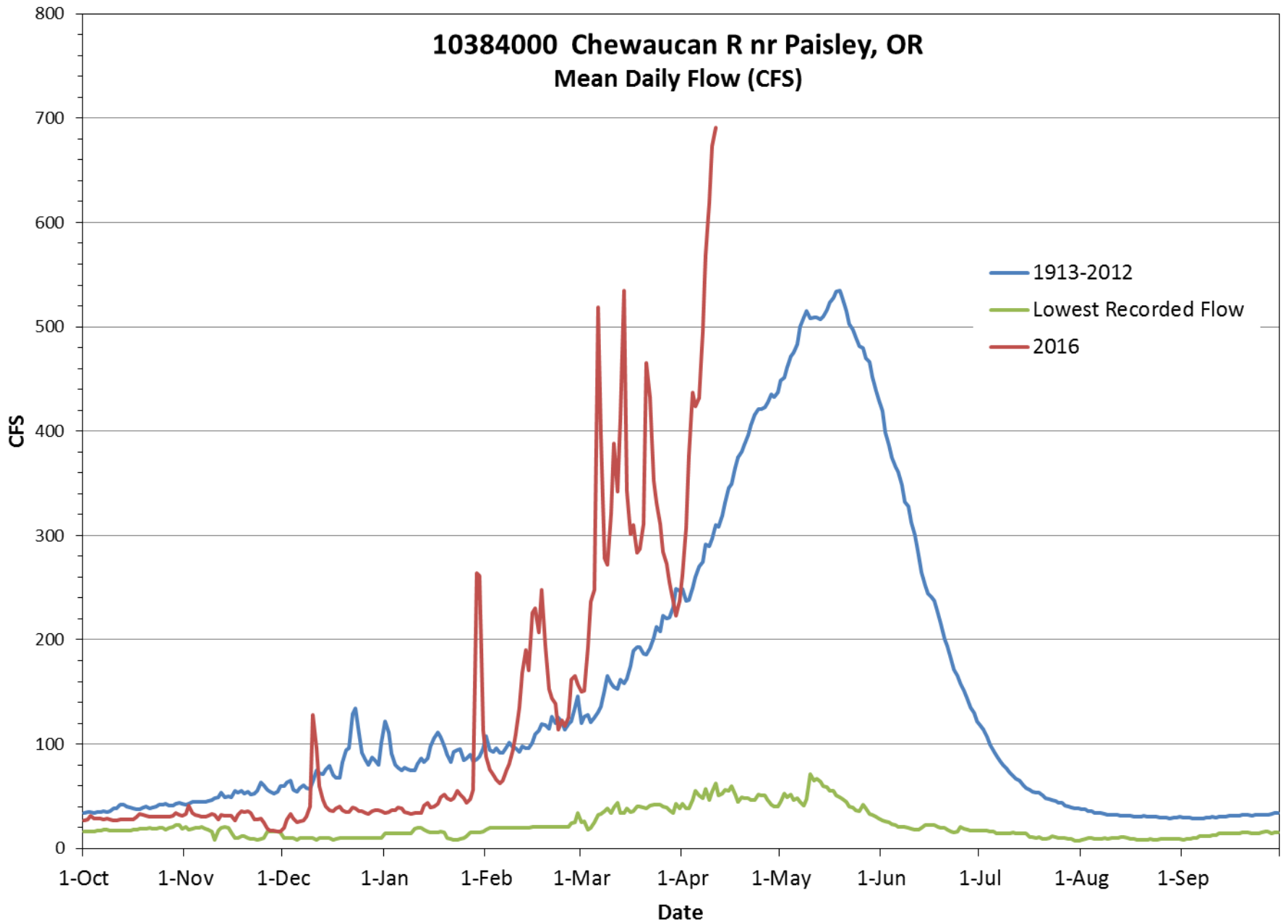
Percent of average stream flow for OWRD Basins March 2016



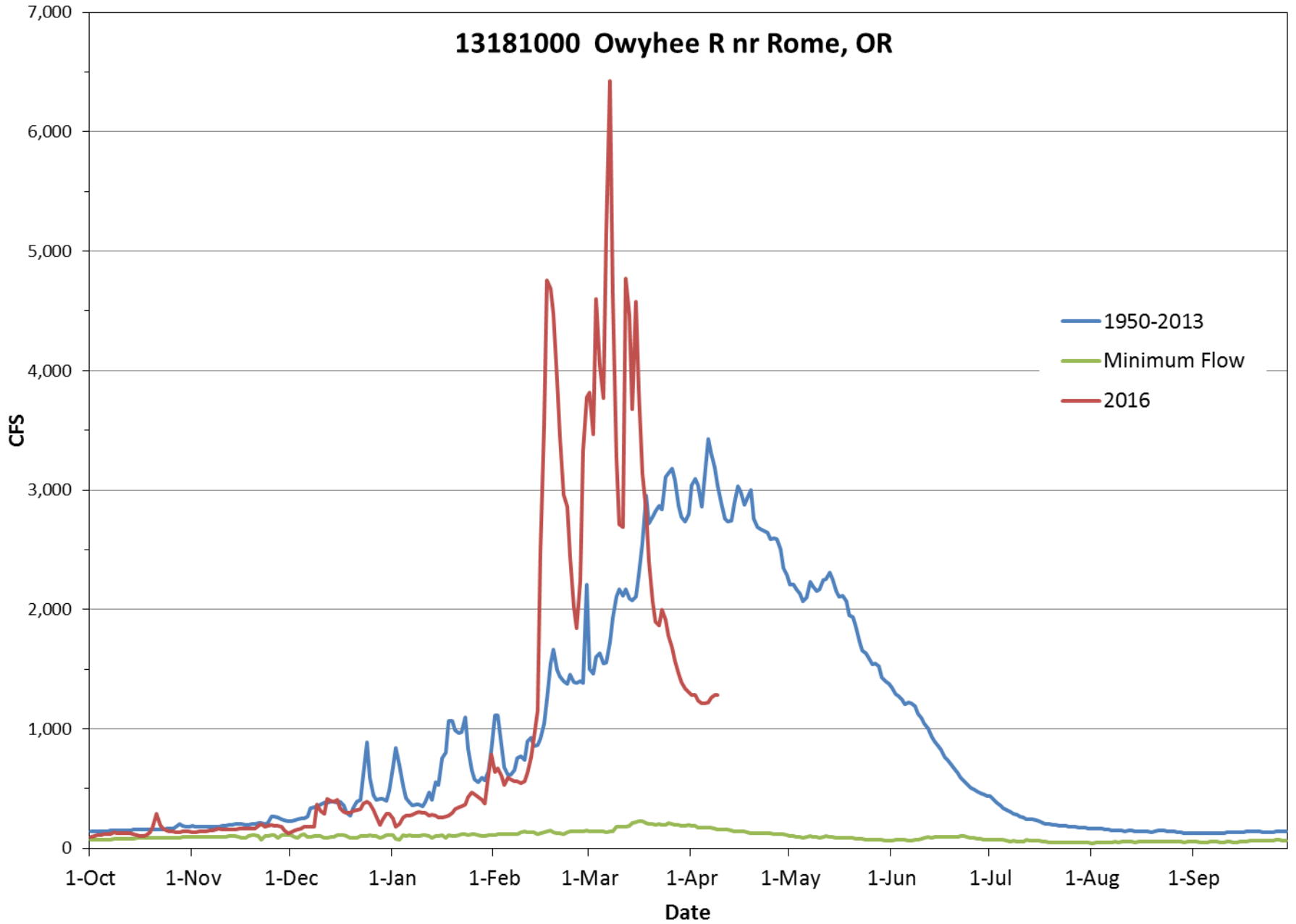
Percent of average streamflow for select Oregon Counties March 2015



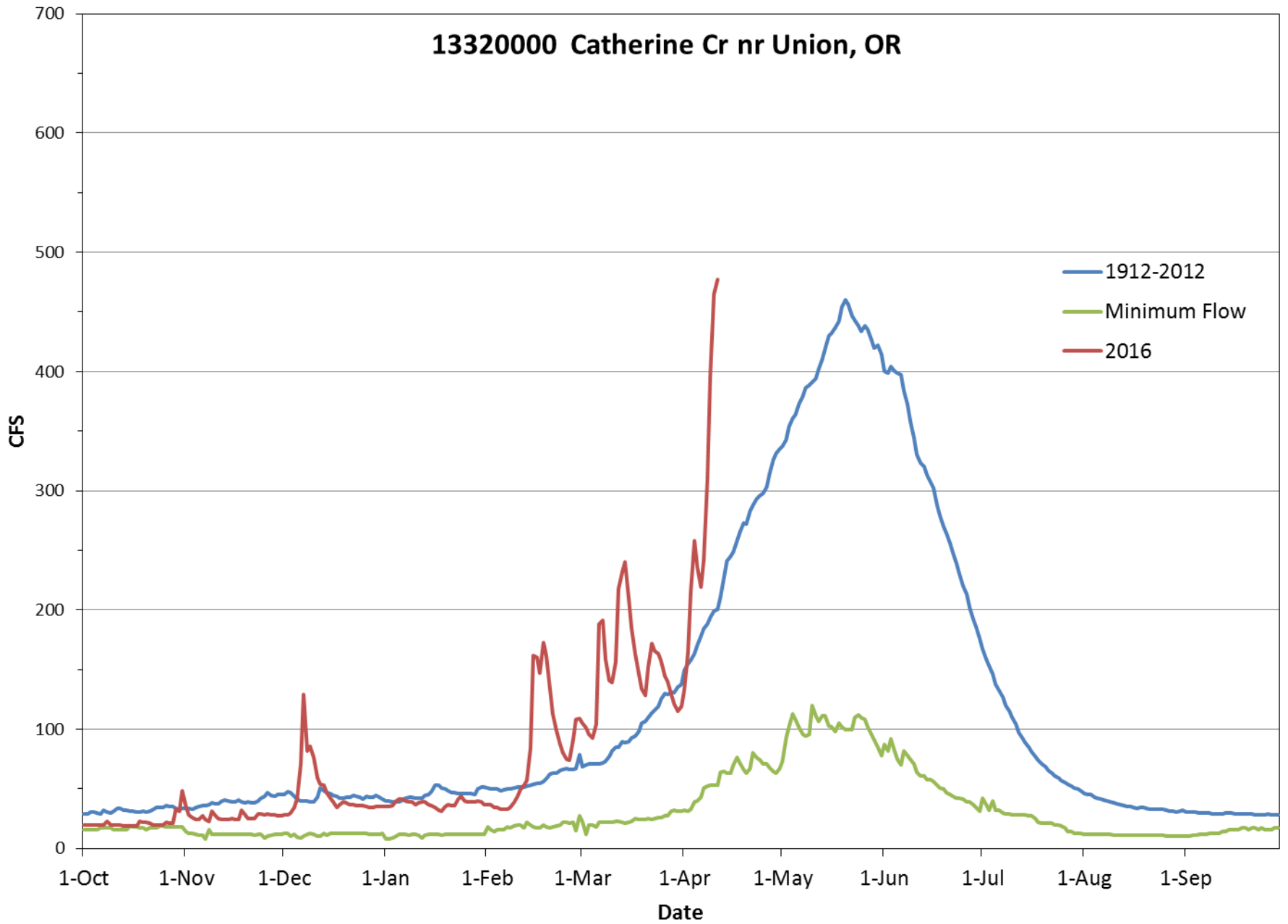
10384000 Chewaucan R nr Paisley, OR
Mean Daily Flow (CFS)



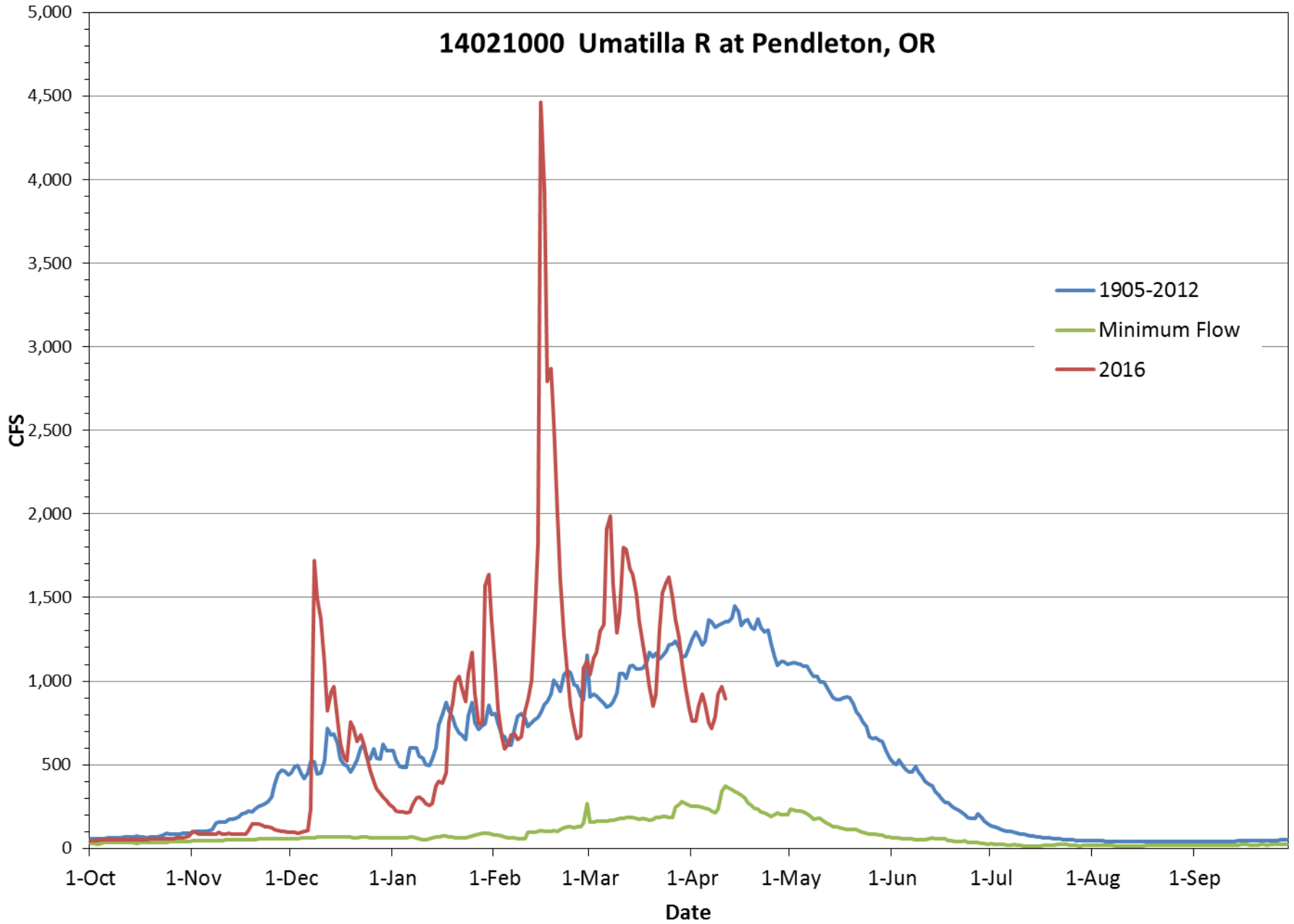
13181000 Owyhee R nr Rome, OR



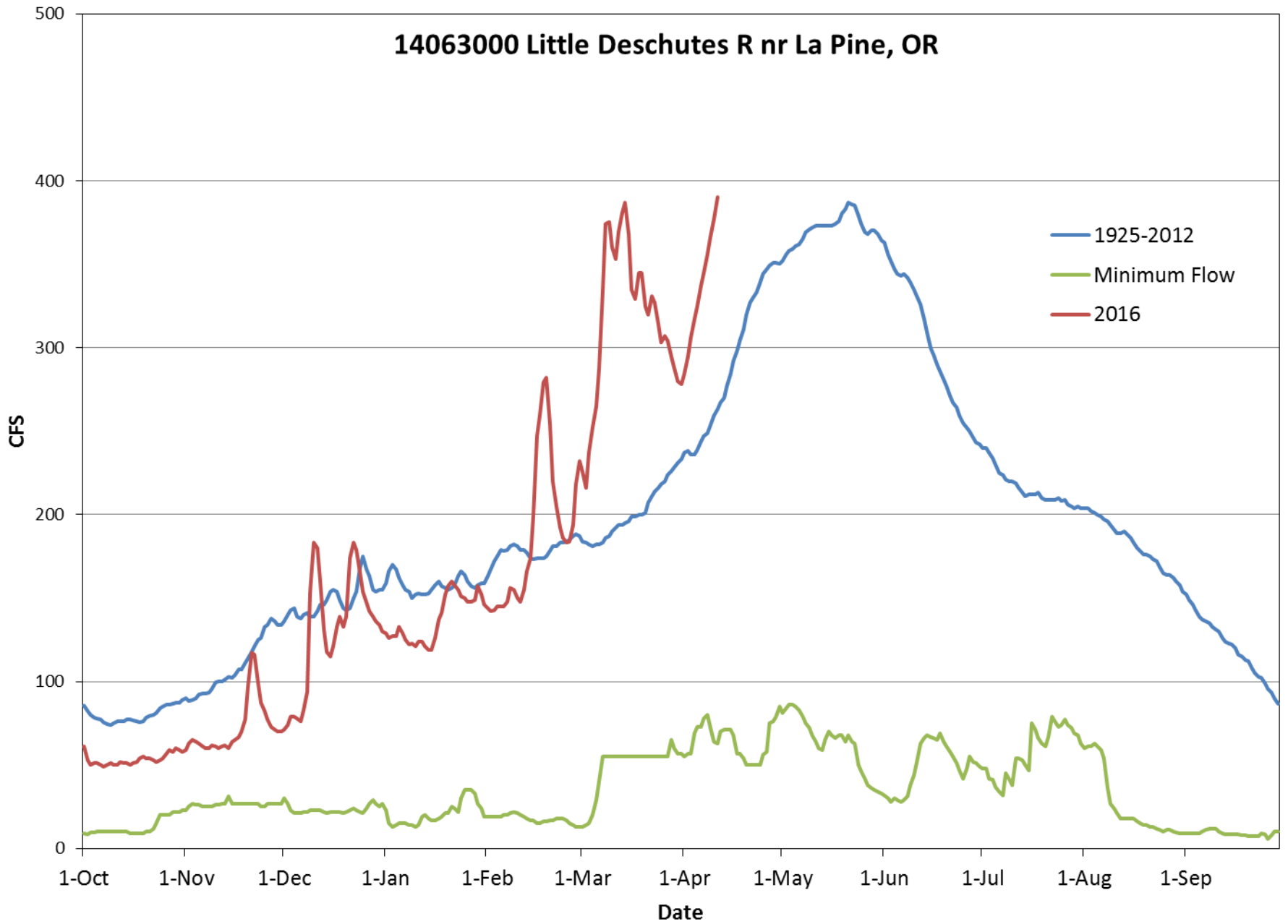
13320000 Catherine Cr nr Union, OR



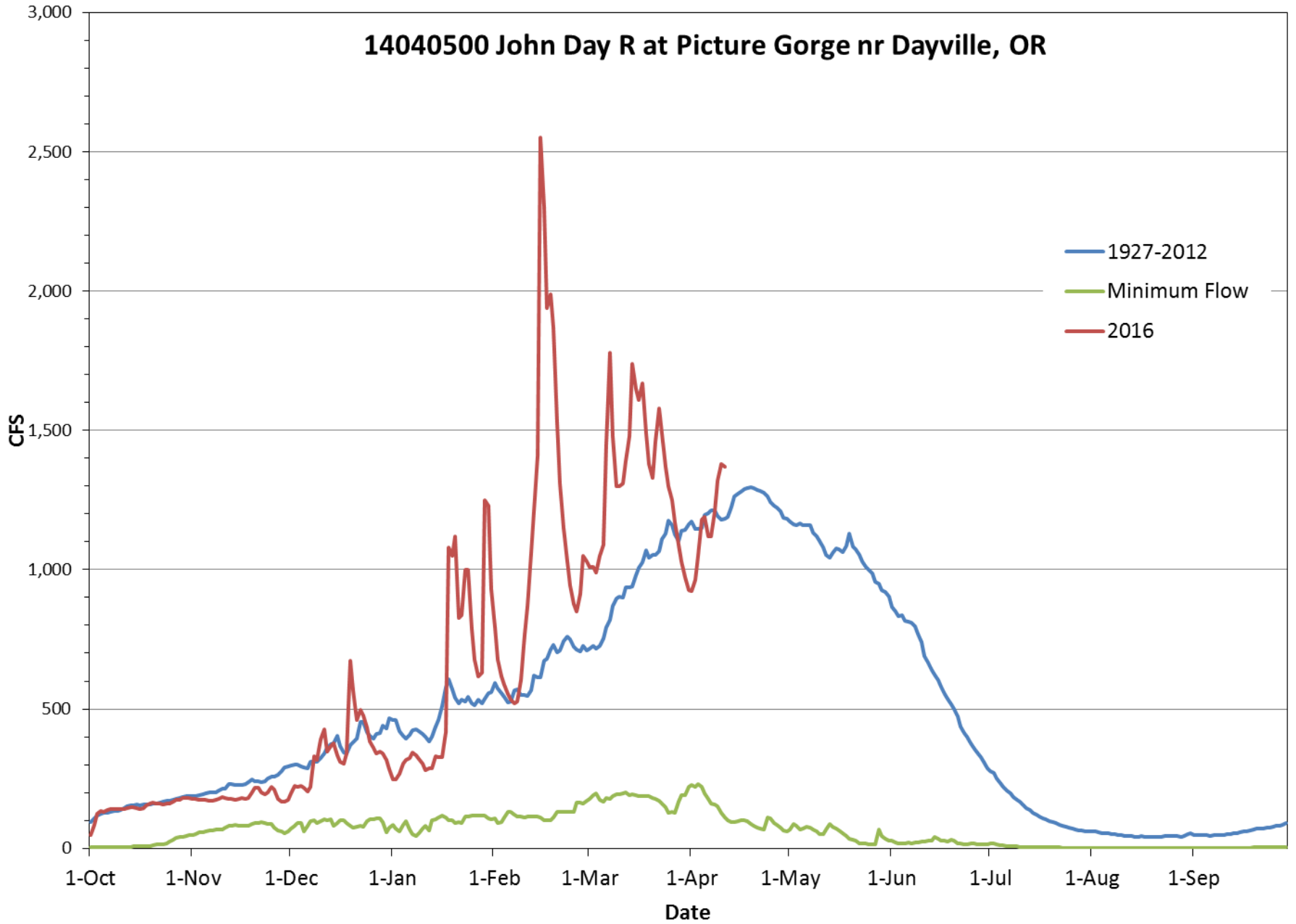
14021000 Umatilla R at Pendleton, OR



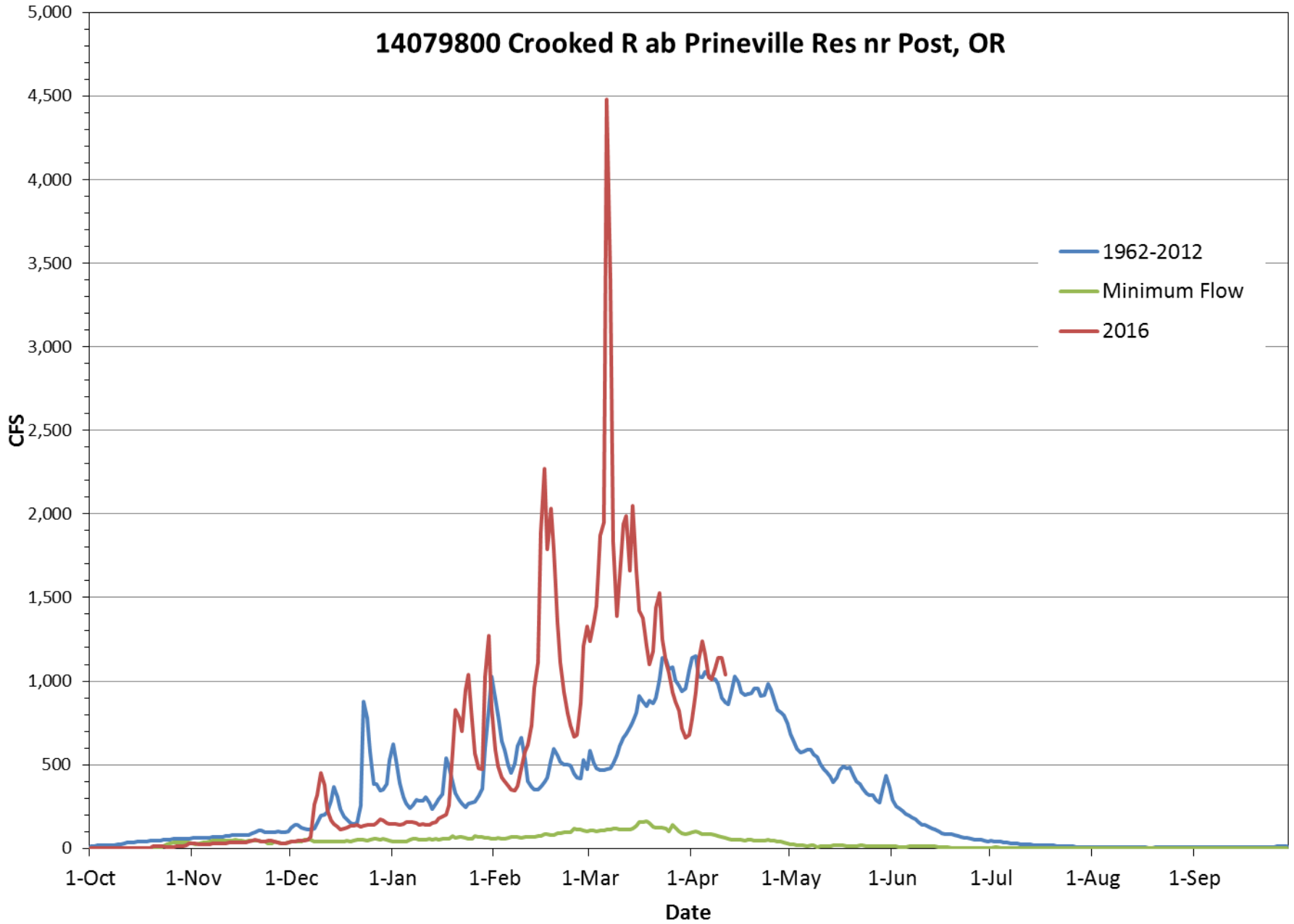
14063000 Little Deschutes R nr La Pine, OR



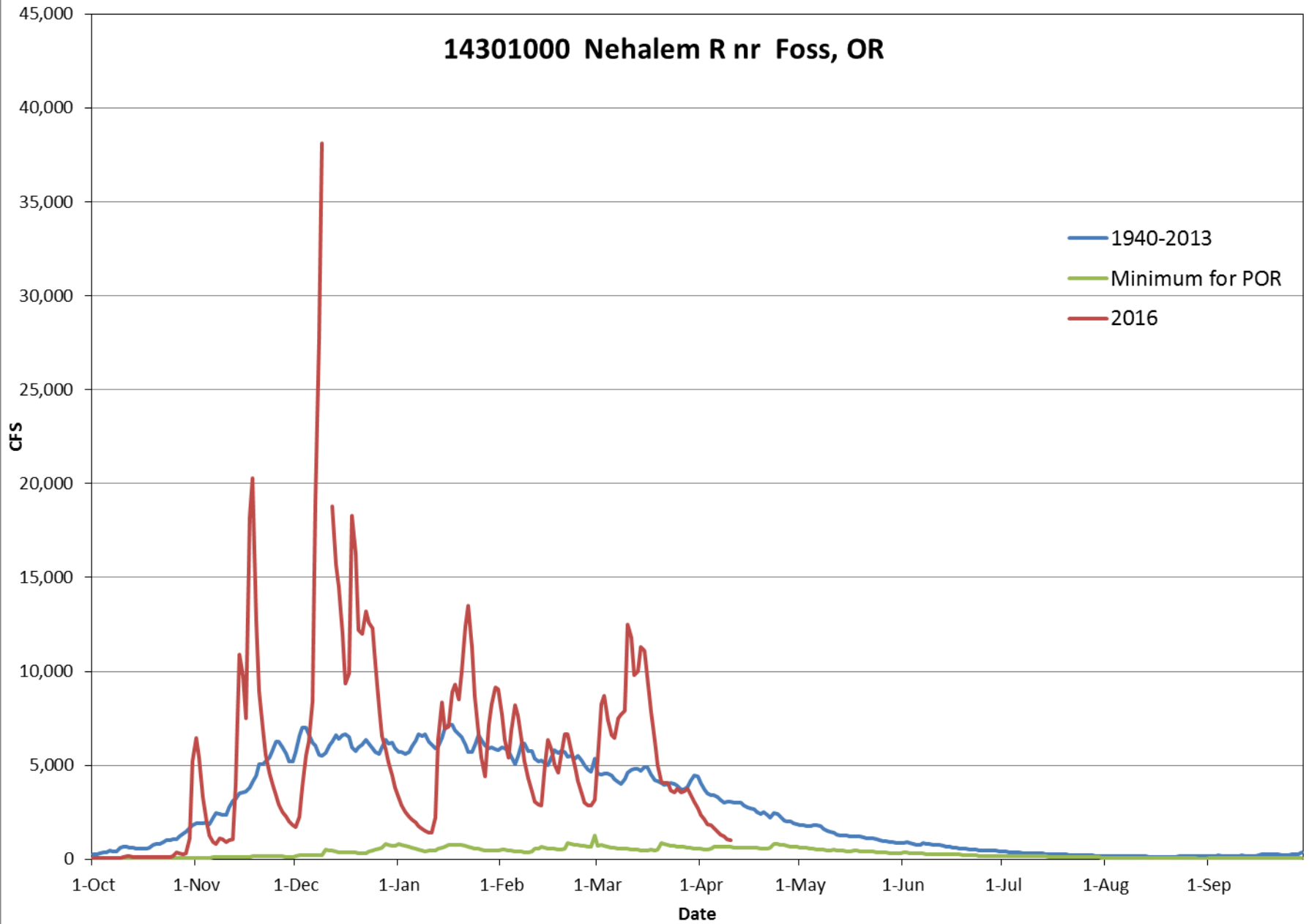
14040500 John Day R at Picture Gorge nr Dayville, OR



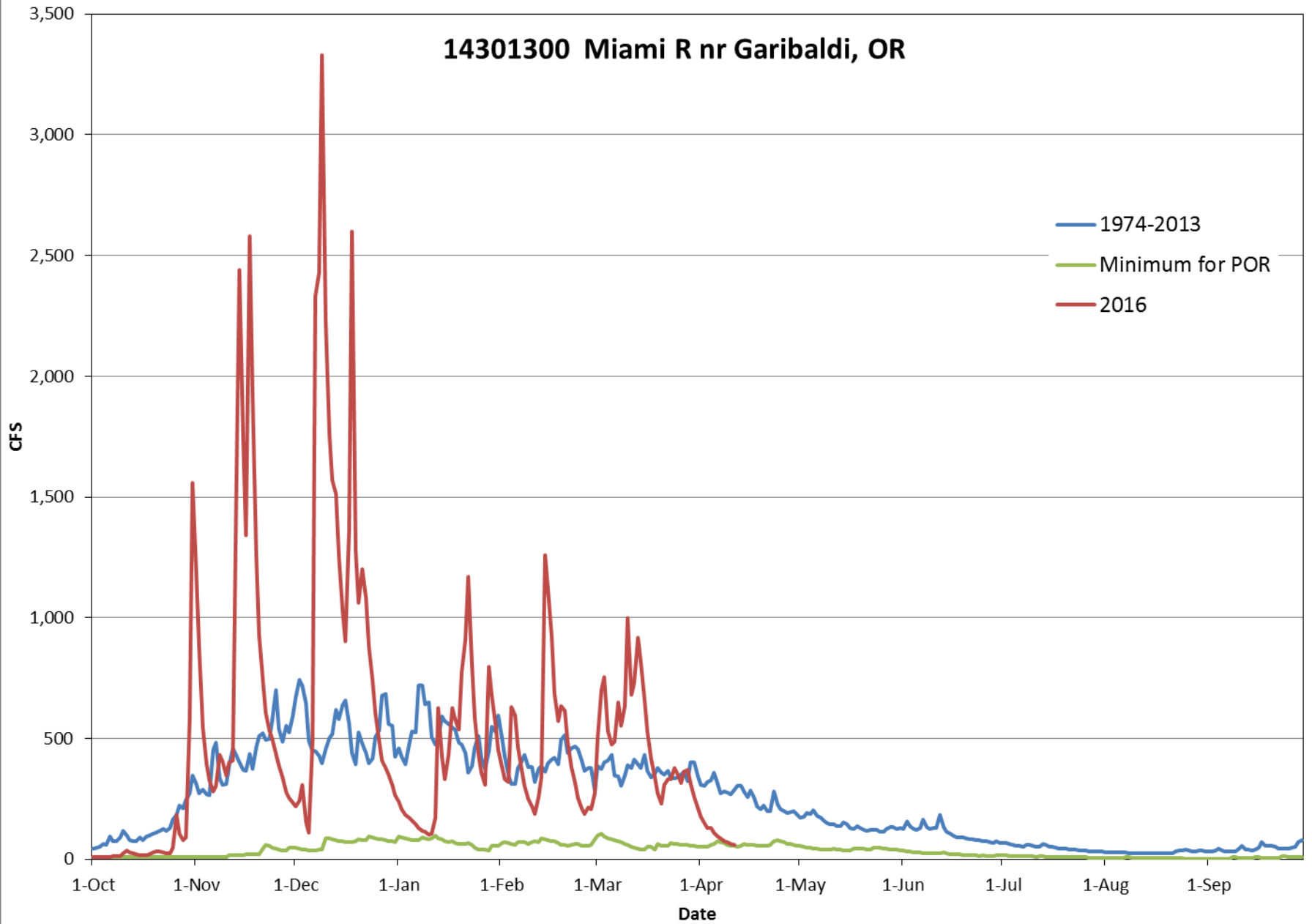
14079800 Crooked R ab Prineville Res nr Post, OR



14301000 Nehalem R nr Foss, OR



14301300 Miami R nr Garibaldi, OR



Thank You