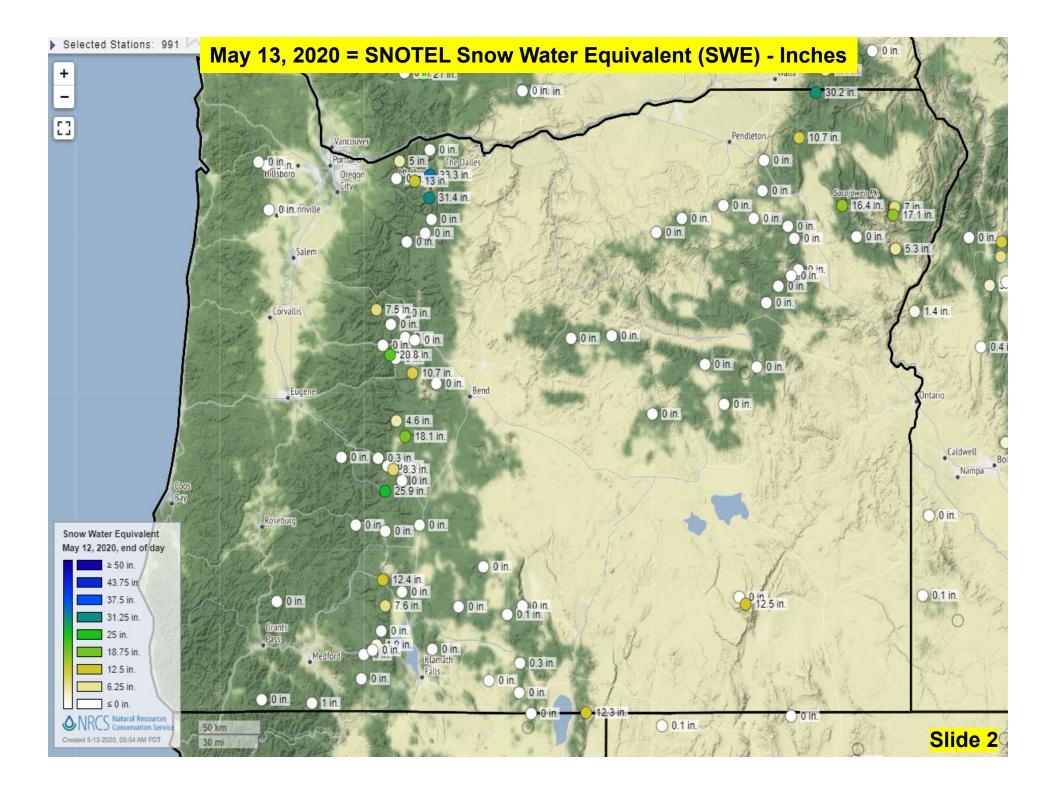


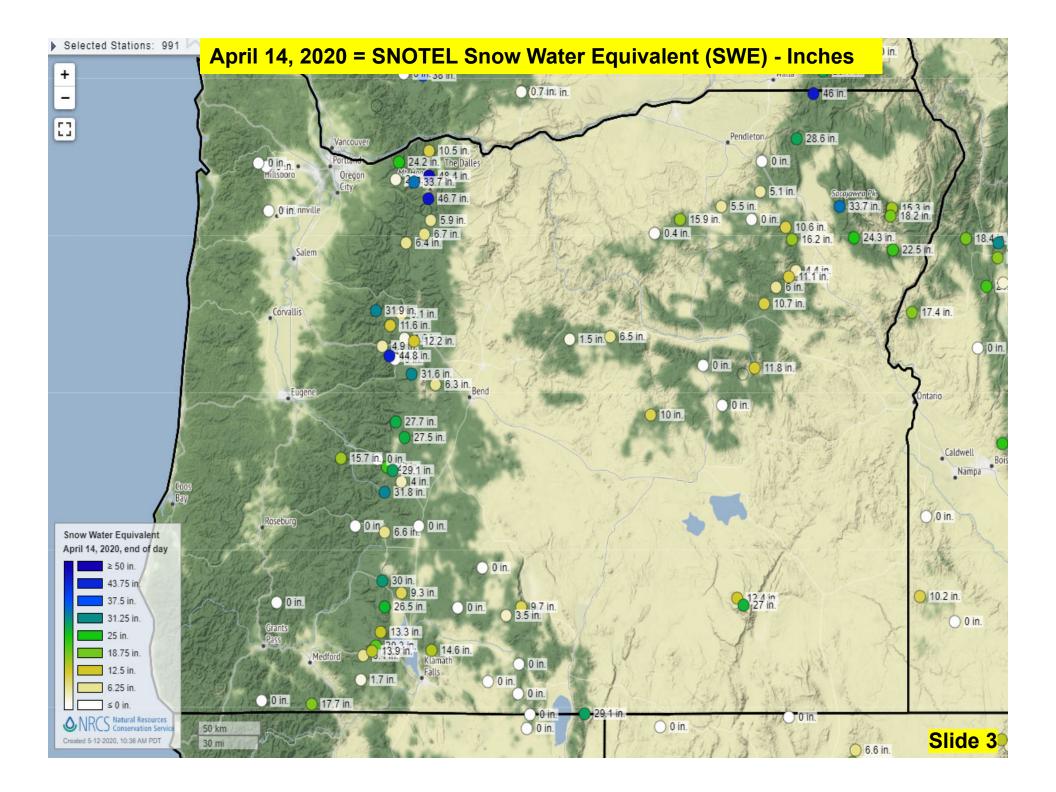
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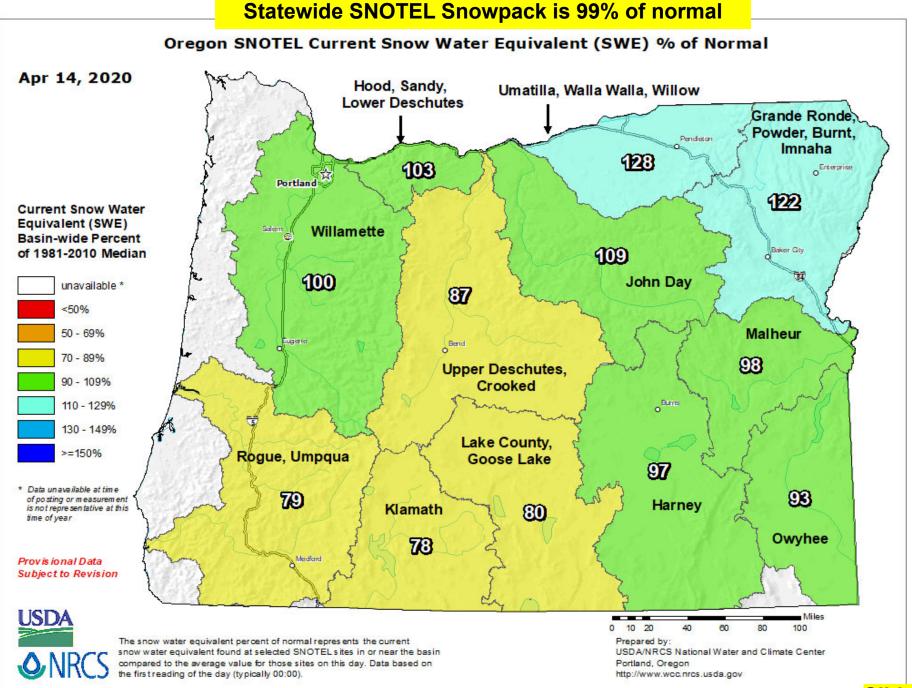
scott.oviatt@usda.gov 503-414-3271

<mark>Basin SWE Summary – May 13, 2020</mark>

Willamette	7/23 SNOTEL sites with measurable SWE	(2019 = 6/23)
Rogue, Umpqua	5/12 SNOTEL sites with measurable SW	(2019 = 5/12)
Hood, Sandy, Lower Deschutes	4/8 SNOTEL sites with measurable SWE	(2019 = 2/8)
Upper Deschutes, Crooked	5/14 SNOTEL sites with measurable SWE	(2019 = 5/14)
Klamath	3/18 SNOTEL sites with measurable SWE	(2019 = 4/18)
Lake County, Goose Lake	1/9 SNOTEL sites with measurable SWE	(2019 = 1/9)
Umatilla, Walla Walla, Willow	3/8 SNOTEL sites with measurable SWE	(2019 = 3/8)
John Day	0/13 SNOTEL sites with measurable SWE	(2019 = 0/13)
Harney	1/9 SNOTEL sites with measurable SWE	(2019 = 1/9)
Grand Ronde, Powder, Burnt, Imnaha	7/17 SNOTEL sites with measurable SWE	(2019 = 8/17)
Malheur	0/3 SNOTEL sites with measurable SWE	(2019 = 0/3)
Owyhee	0/8 SNOTEL sites with measurable SWE	(2019 = 1/8)





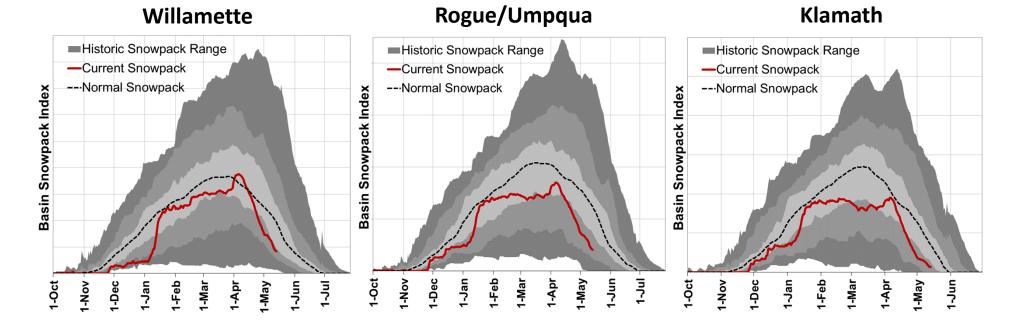


Slide 4

Water Year 2020 – May 13th



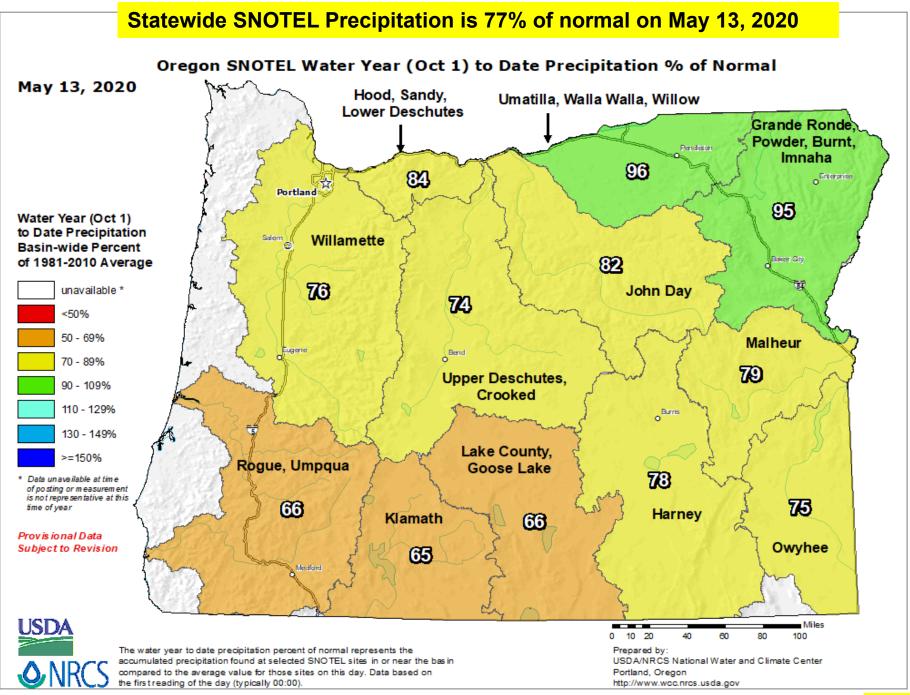
Owyhee/Malheur



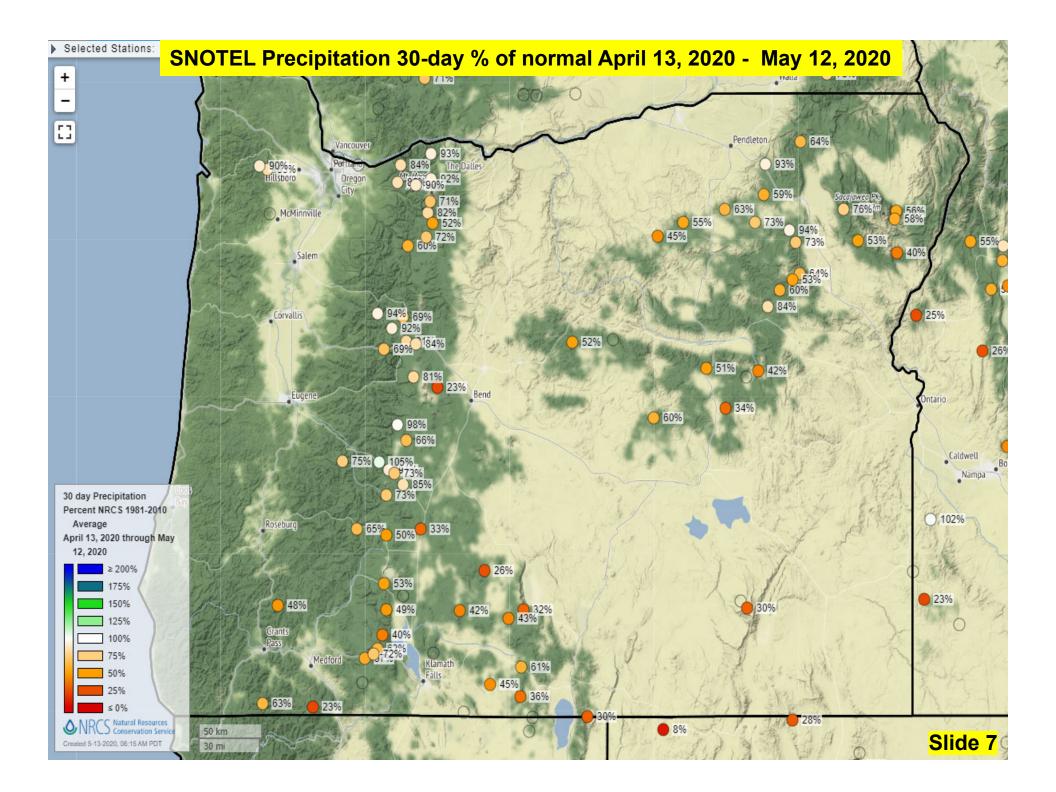
John Day

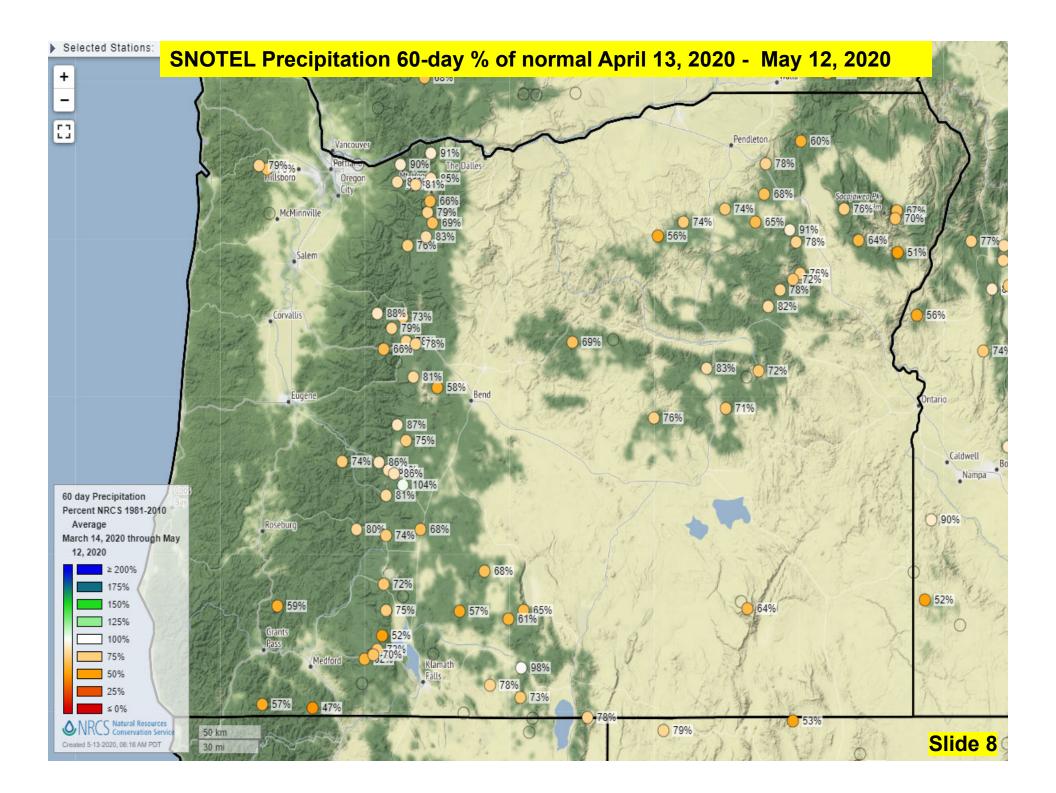
Historic Snowpack Range Historic Snowpack Range Historic Snowpack Range -Current Snowpack -Current Snowpack -Current Snowpack ---Normal Snowpack ---Normal Snowpack ---Normal Snowpack **Basin Snowpack Index Basin Snowpack Index Basin Snowpack Index** 1-Oct 1-Dec 1-Jan 1-Feb 1-May 1-Jun 1-0ct 1-Nov 1-Dec 1-Jan 1-Feb 1-Mar 1-Jun 1-Jul 1-Oct 1-Dec 1-Jan 1-Feb 1-Mar 1-Apr 1-May 1-Jun 1-Nov 1-Mar 1-Apr 1-Apr 1-May 1-Nov

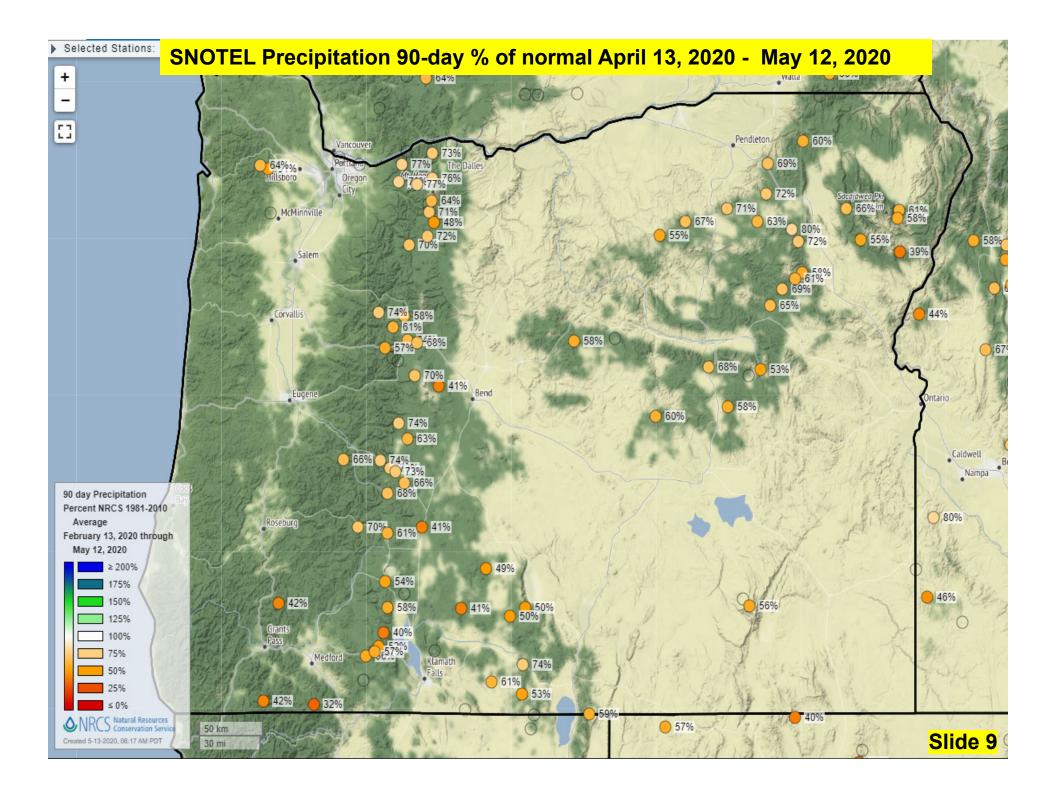
Grande Ronde/Powder/Burnt

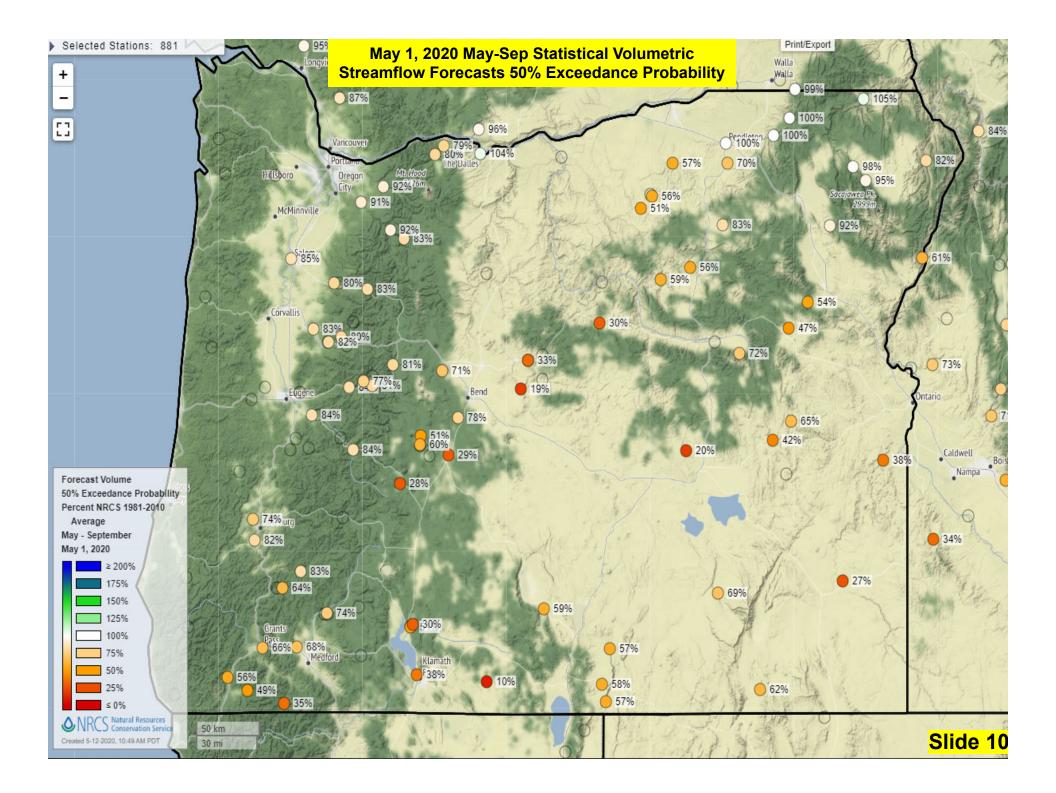


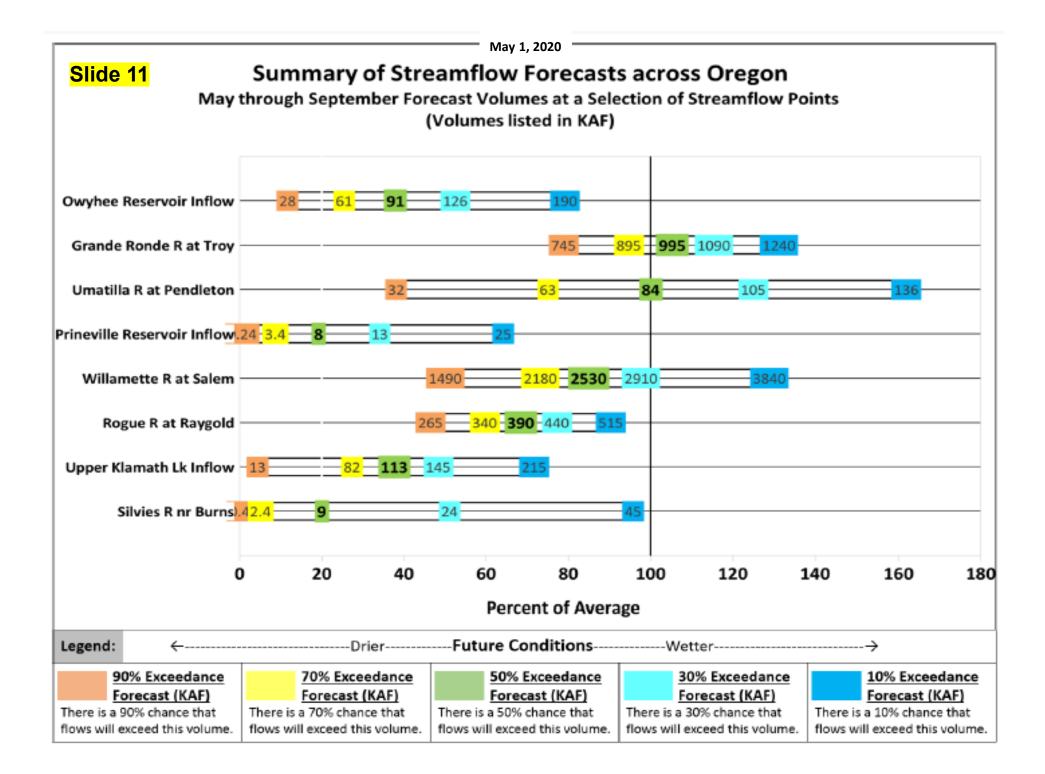
Slide 6











Oregon Water Supply Availability Committee – May 13, 2020



05/12/2020 10:33:14

Tollgate

Tollgate, Oregon Webcam May 12, 2020 Elev = 5,045' 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, audiotape, 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.

H. Scott Oviatt USDA – Natural Resources Conservation Service scott.oviatt@usda.gov 503-414-3271



May 12, 2020

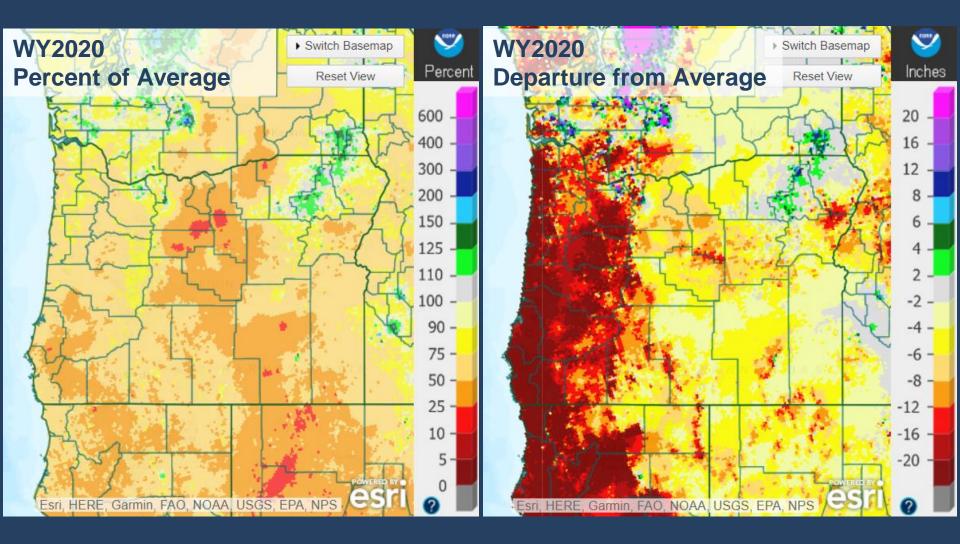
Oregon WSAC

National Weather Service Precipitation & Temperatures Update

Andy Bryant NOAA/NWS Portland Weather Forecast Office



Water Year Precipitation

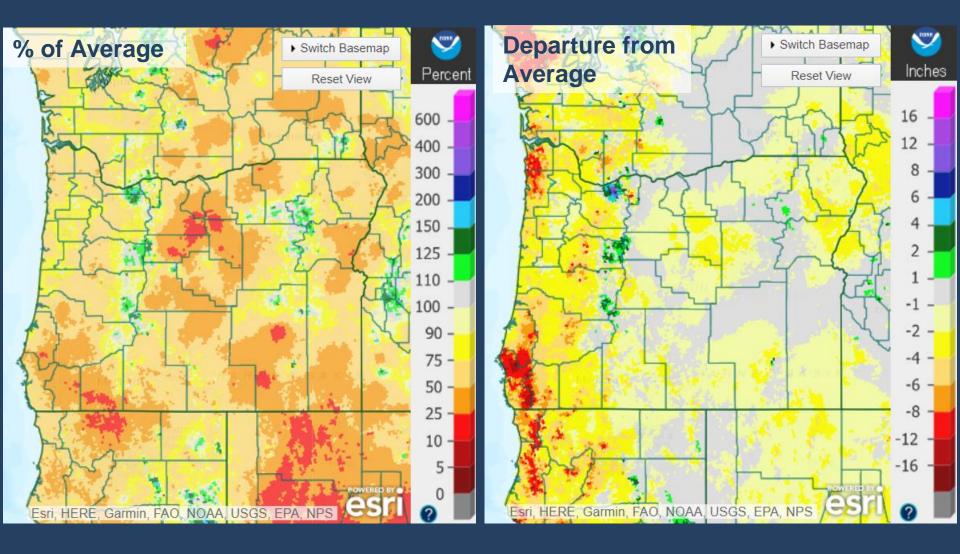


Precipitation Data as of May 12, 2020

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



Precipitation – Past 60 Days

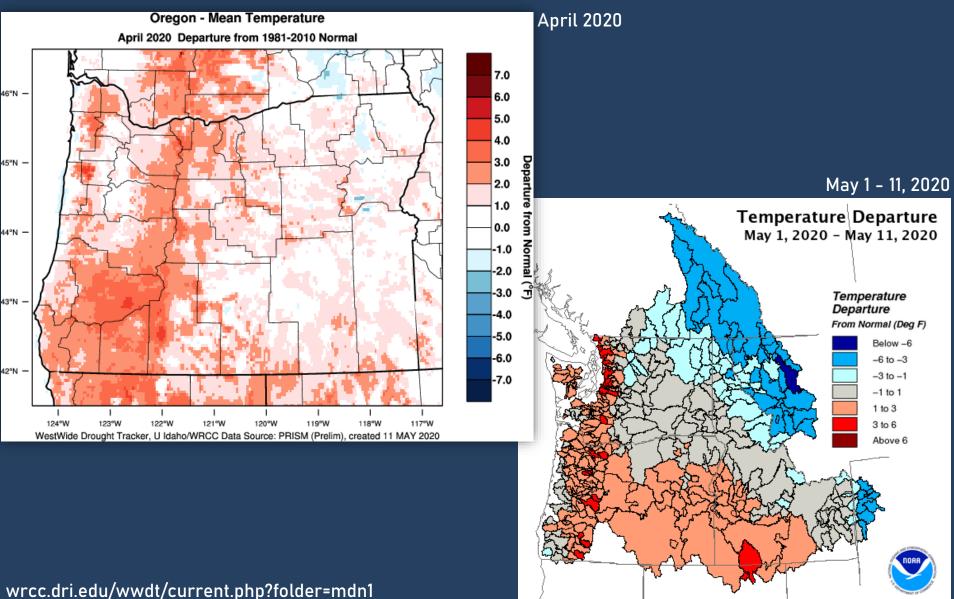


Precipitation Data as of May 12, 2020

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



Recent Temperatures



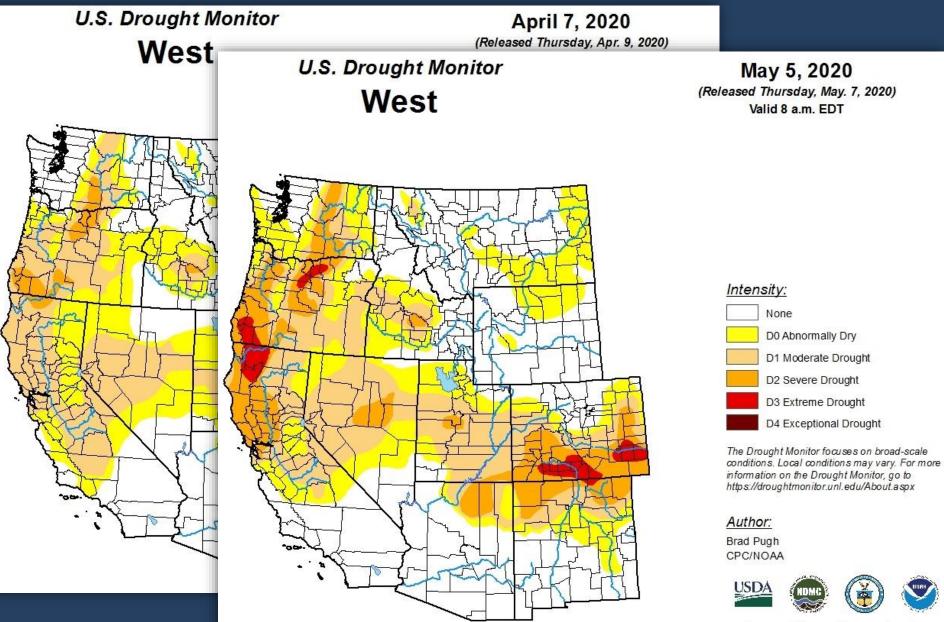
www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=2

Northwest River Forecast Center

4

Drought Monitor

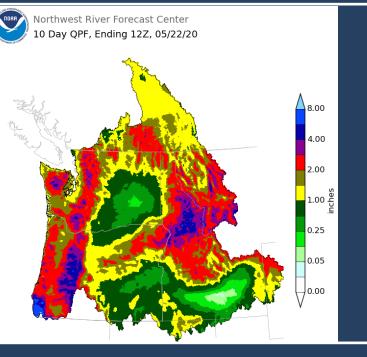
NOAR

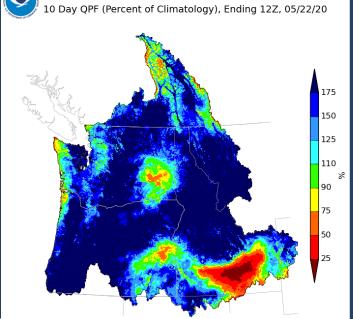




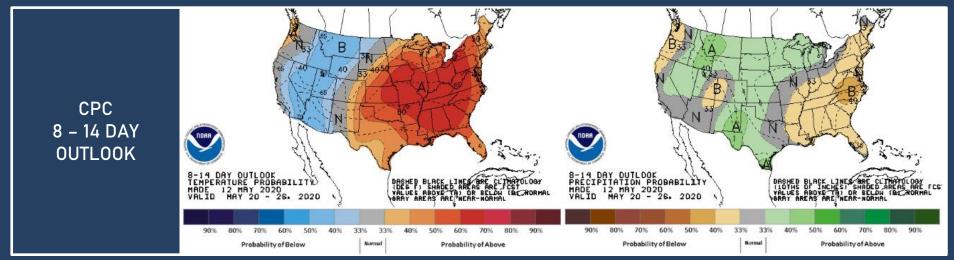
Mid/Late May Outlook

NWRFC 10-DAY PRECIPITATION





Northwest River Forecast Center

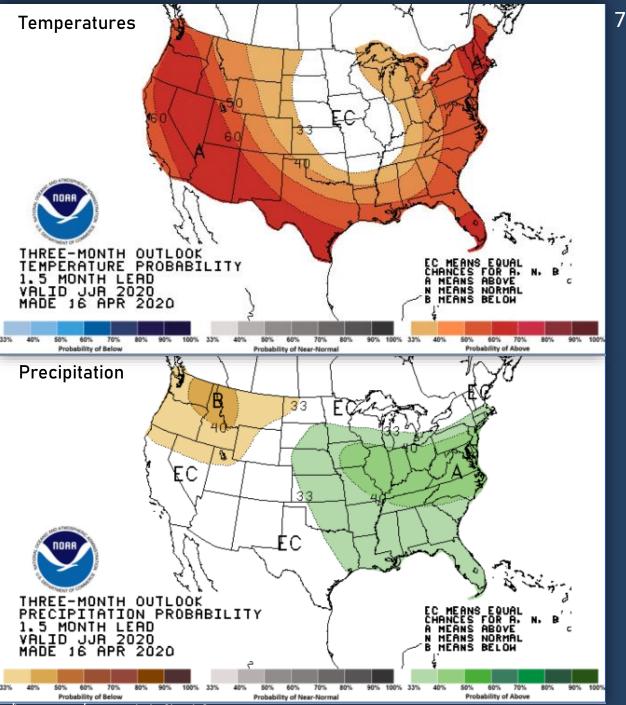


https://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?t

https://www.cpc.ncep.noaa.gov/products/predictions/814day/

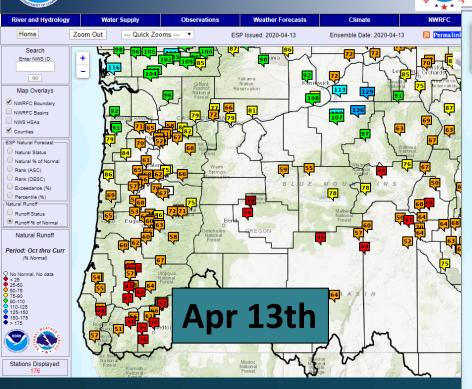


Climate Prediction Center Outlook June – July – Aug 2020



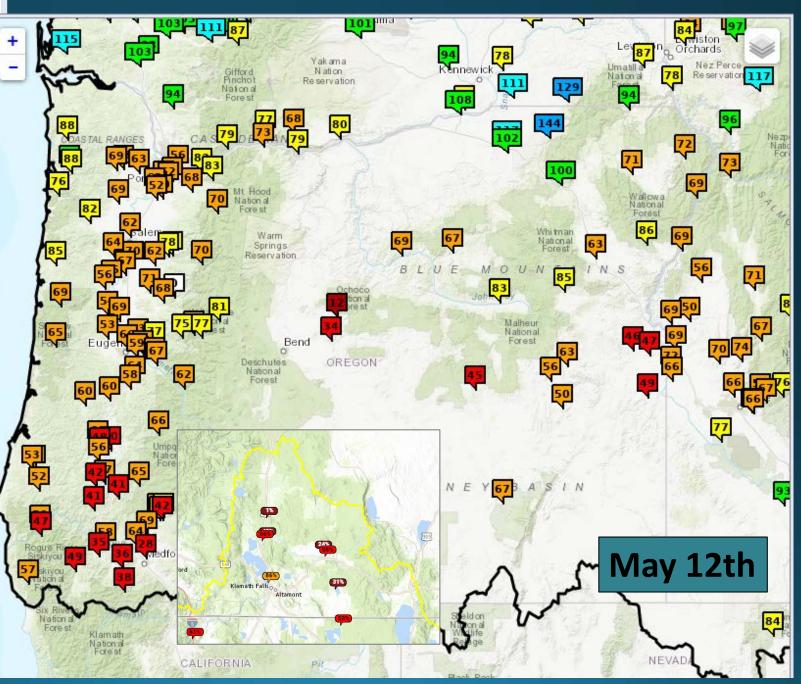
https://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=2

Northwest River Forecast Center Observed Water Year Natural Runoff

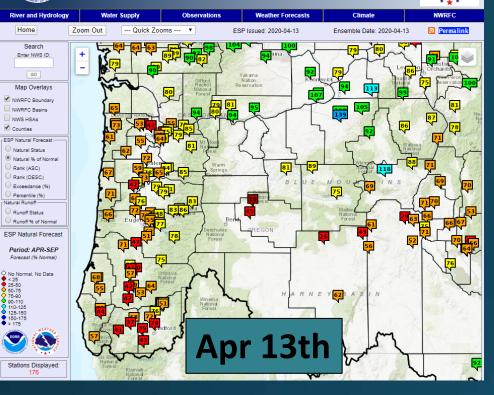




NOAF







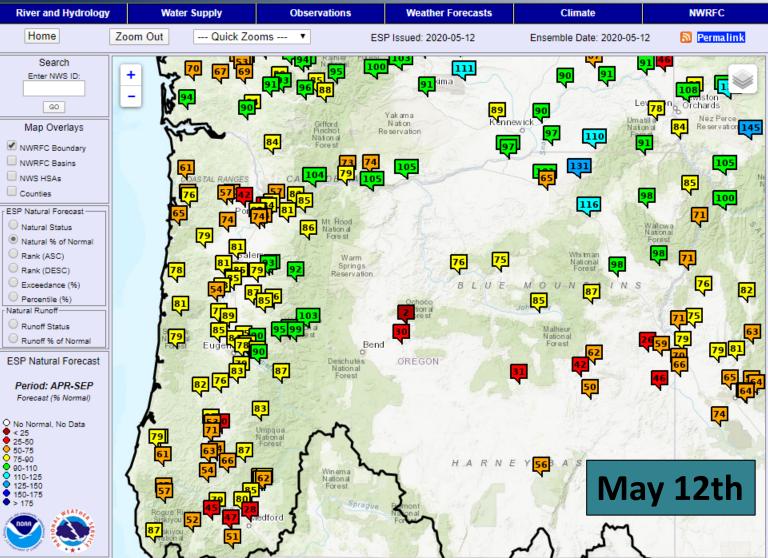


NNAA

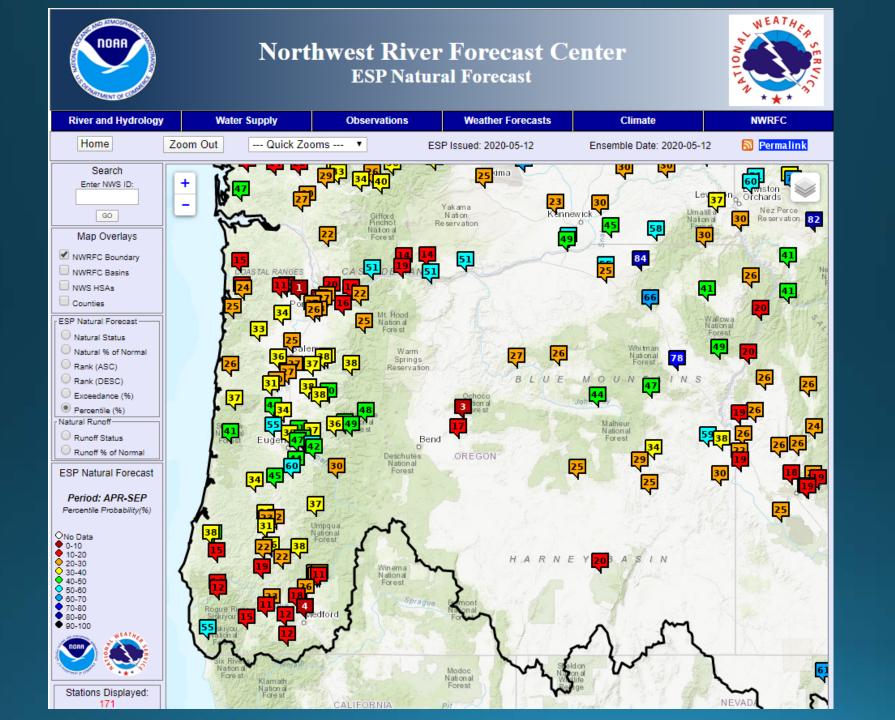


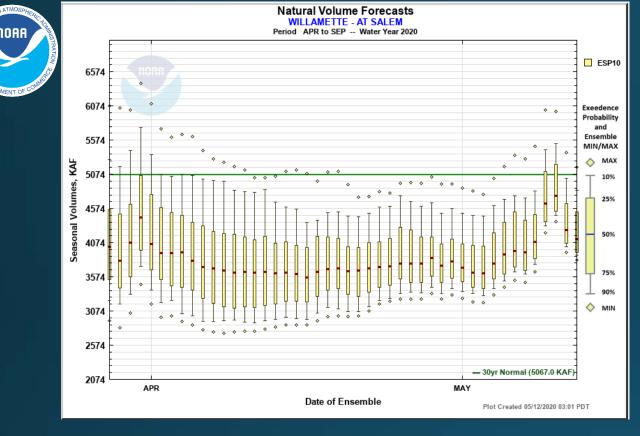
Northwest River Forecast Center ESP Natural Forecast





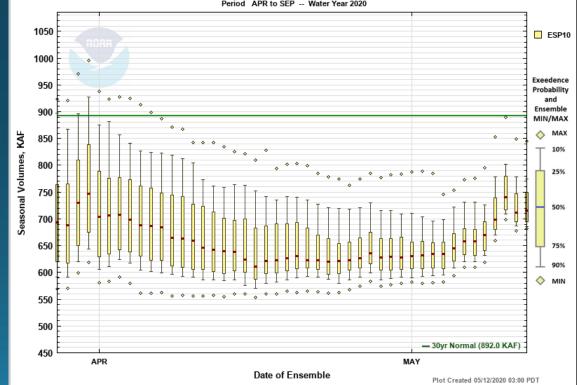
Stations Displayed:



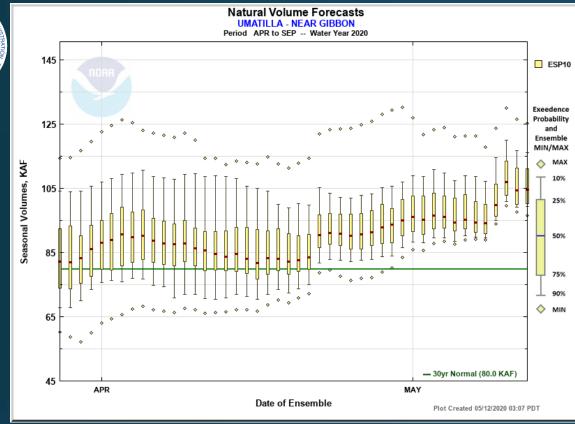




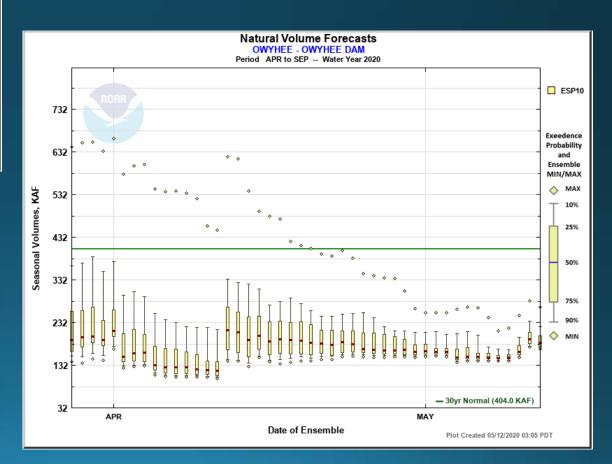
Natural Volume Forecasts ROGUE - AT RAYGOLD Period APR to SEP -- Water Year 2020









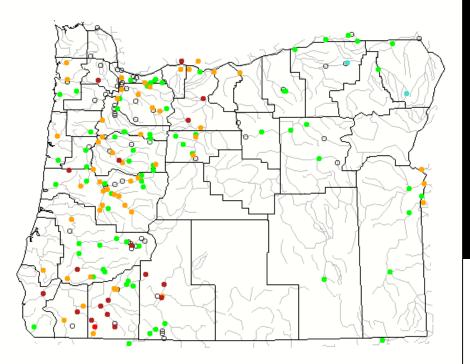


Oregon Water Supply Availability Meeting

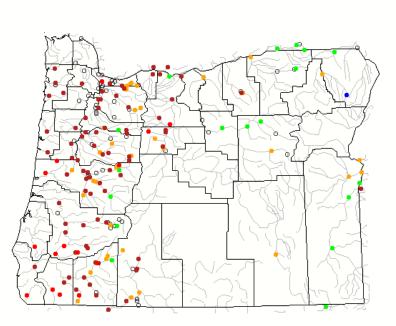
May 2020



USGS Update on Surface Water Conditions Carrie Boudreau & Marc Stewart Oregon Water Science Center Photo: Lisa Hoaks, USGS gage 14164550



Monthly Average Streamflow (as compared to Historical Record)



March 2020

≊USGS

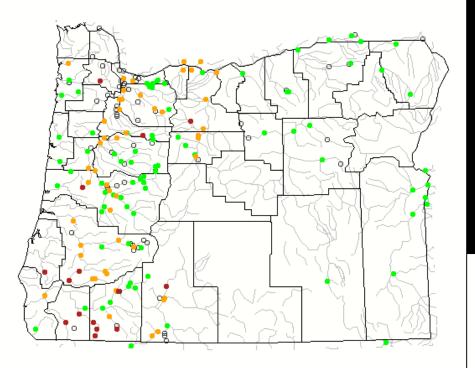
Search USGS streamgage 🛛 🖉

Choose a data retrieval option and select a location on the map List of all stations
Single station
Nearest stations
Peak flow

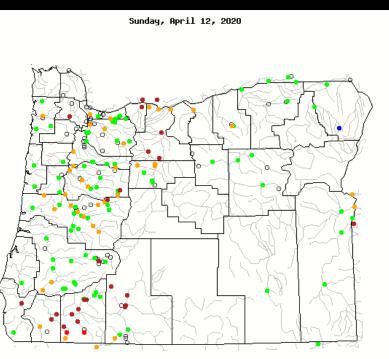
Explanation - Percentile classes							
	<10	10-24	25-75	76-90	>90	Link	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal	High	







7-day Average Streamflow (as compared to Historical Record)



≊USGS

Search USGS streamgage 🛛 🗸

Choose a data retrieval option and select a location on the map O List of all stations

Single station

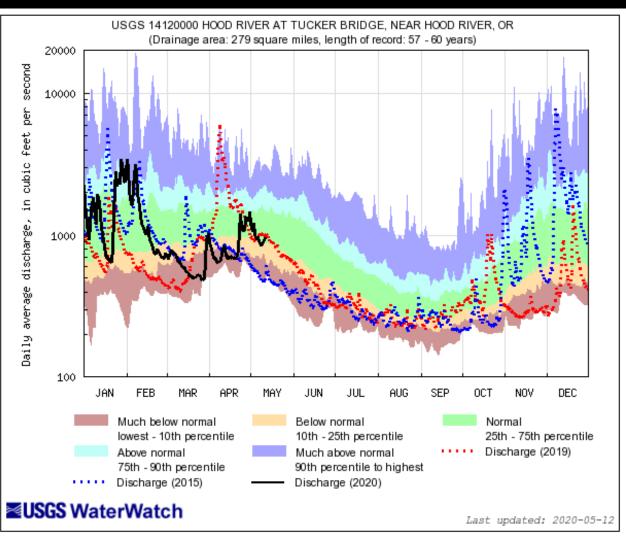
Nearest stations

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





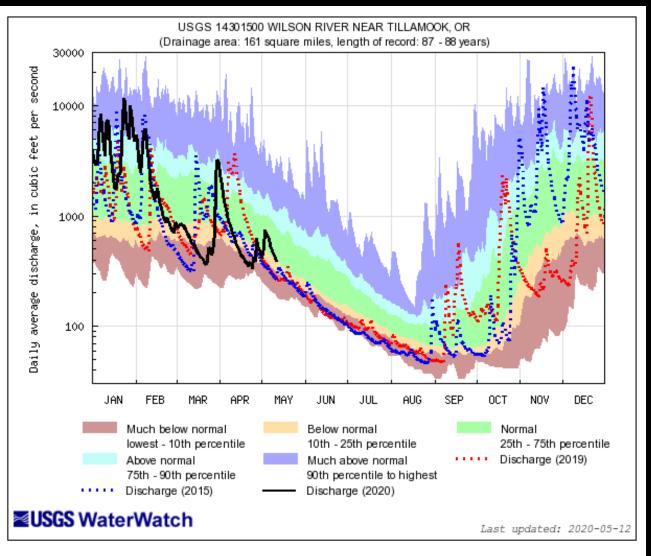
14120000 Hood R at Tucker Bridge





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		

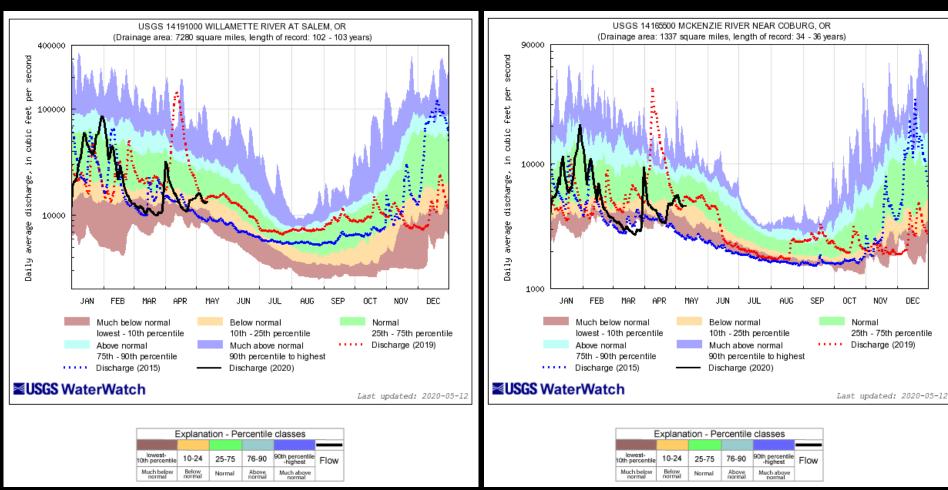
14301500 Wilson R near Tillamook





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		

14191000 Willamette R at Salem (Left) 14165500 McKenzie R nr Coburg (Right)

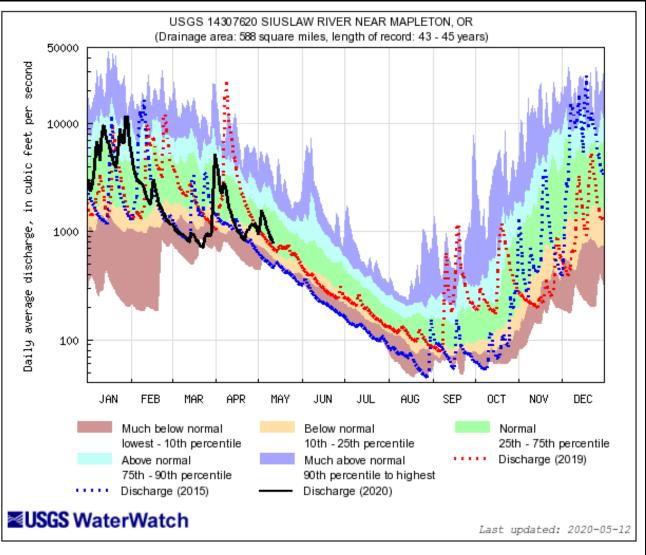


NOV

DEC



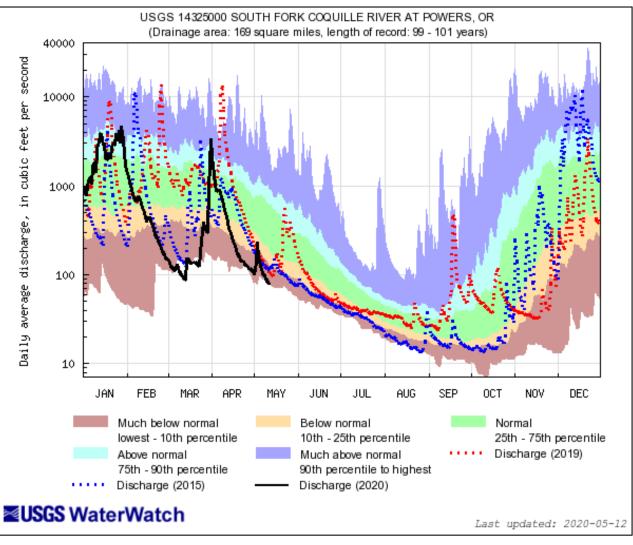
14307620 Siuslaw River nr Mapleton





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

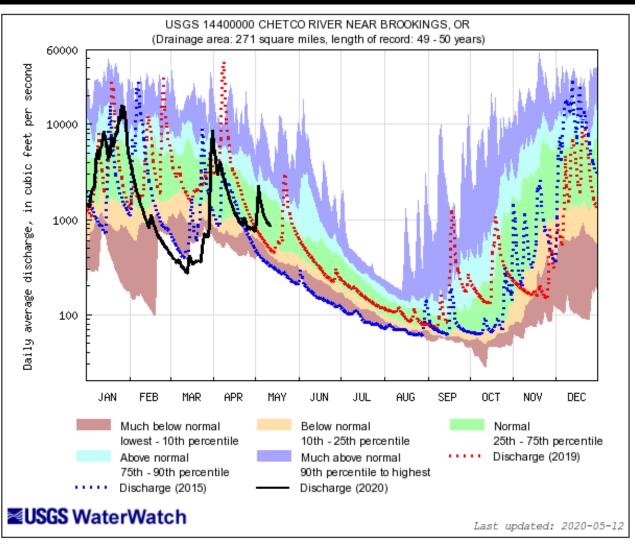
14325000 South Fork Coquille at Powers





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

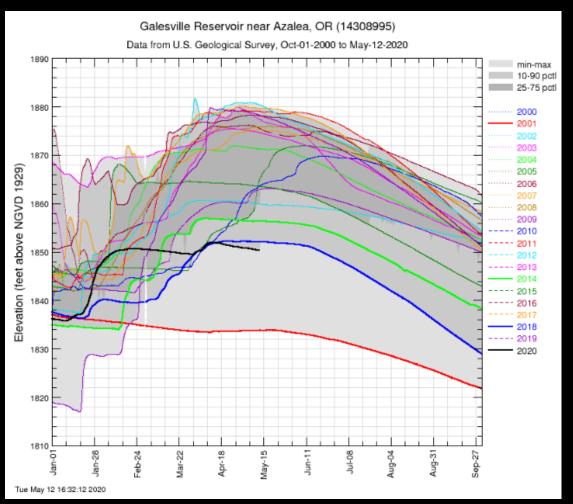
14400000 Chetco River nr Brookings



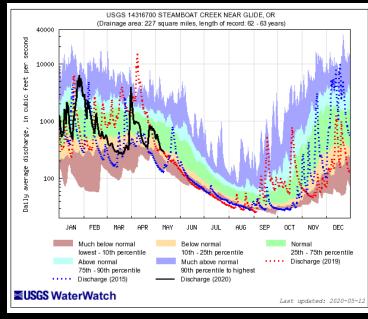


Explanation - Percentile classes						
lowest- 10th percentile	10-24	25-75	76-90	90th percentile -highest	Flow	
Much below normal	Below normal	Normal	Above	Much above normal		

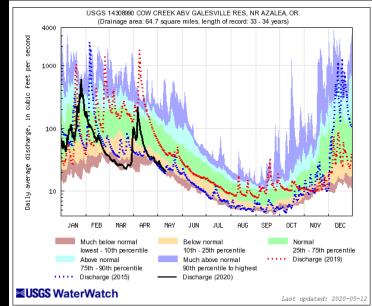
14308995 Galesville Reservoir



≪USGS

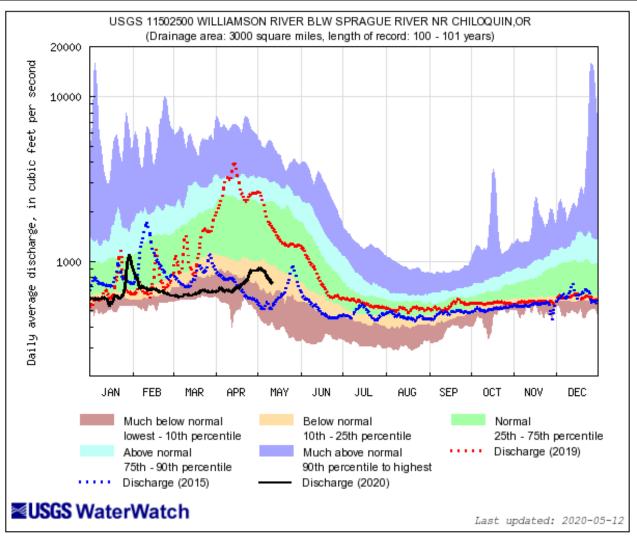


Steamboat Creek nr Glide



Cow Creek abv Galesville Res.

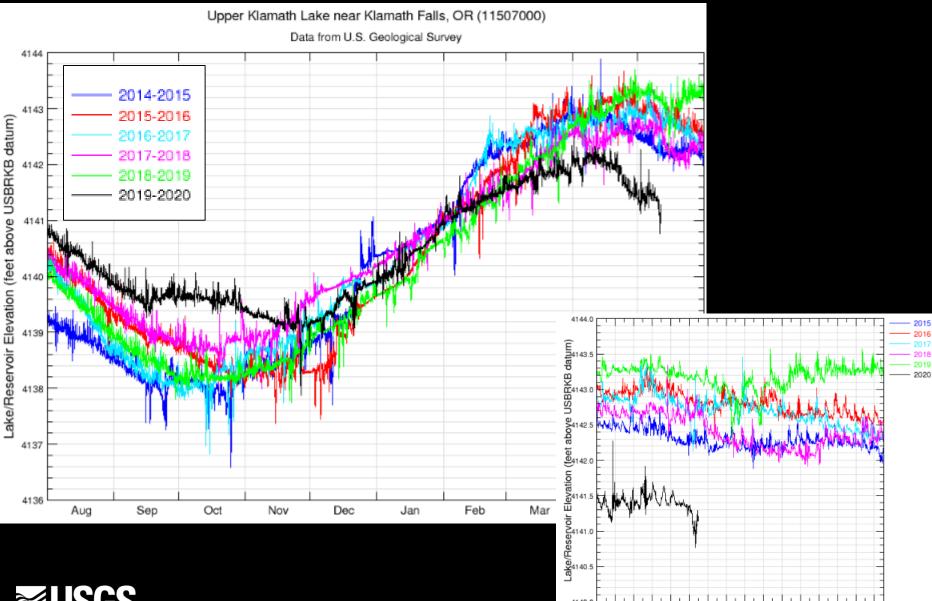
11502500 Williamson River blw Sprague



$\langle \rangle$	U	S	G	S
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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		

11507000 Upper Klamath Lake



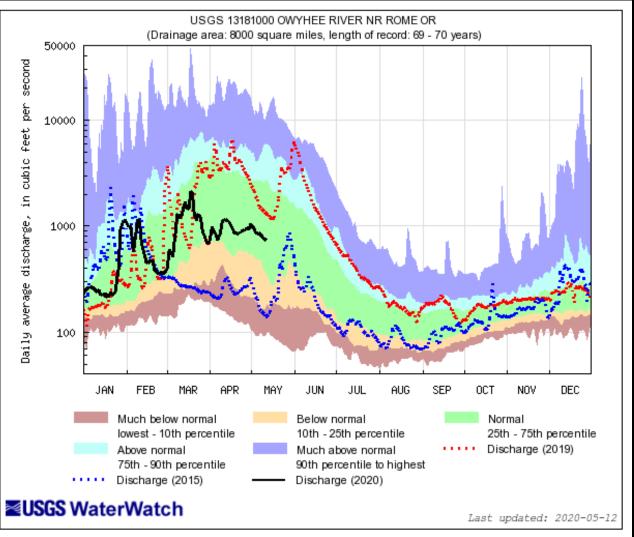
13 15

May

19 21 23 25 27 29



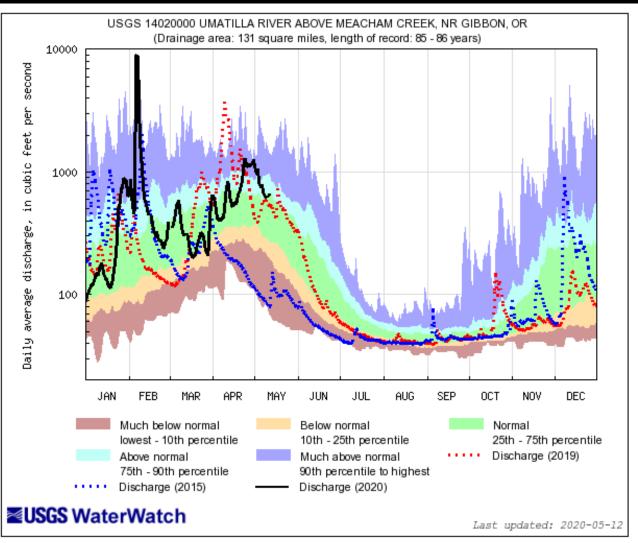
13181000 Owyhee R nr Rome



	\gg		5	F	S
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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		

14020000 Umatilla R abv Meacham Cr





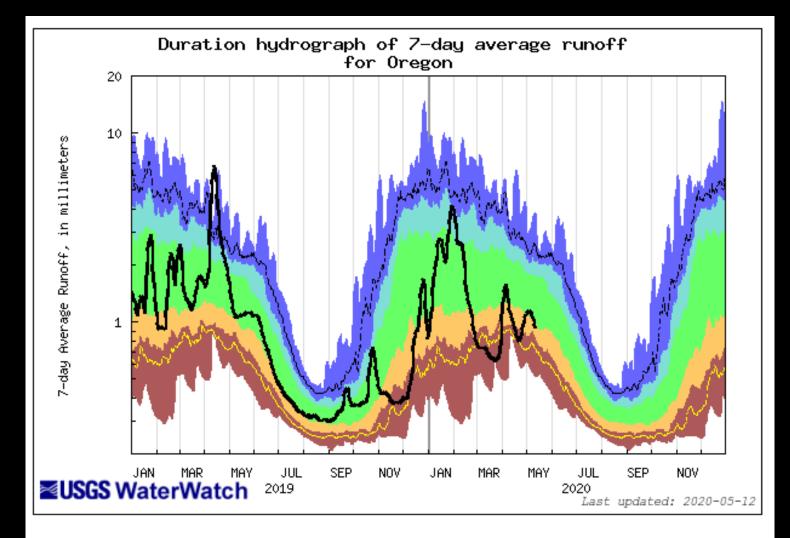
E	Explana	tion - Pe	rcentile	classes	
					_
lowest- Oth percentile	10-24	25-75	76-90	90th percentile -highest	Flow
Much below normal	Below	Normal	Above	Much above normal	

US GEOLOGICAL SURVEY, OREGON WATER SCIENCE CENTER WATER AVAILABILITY REPORT FOR APRIL 2020

Station	Basin	Monthly disc Cubic feet per second	y mean harge Percent of average	in dis- charge from previous month (percent)	
Donner Und Blitzen nr Frenchglen		158	70		69
(*)Deep Creek above Adel	Lake County	267	72	178	58
(*)Chewaucan River near Paisley	Lake County	281	78	231	63
Williamson River near Chiloquin	Klamath	732	40	14	55
Owyhee River near Rome	Owyhee	943	35	-16	47
(*)NF Malheur River near Beulah	Malheur	241	65	85	68
	Grande Ronde Powder/Burnt	5,556	91	59	93
Umatilla River nr Gibbon	Umatilla Lower John Day	749	139	128	137
John Day River at Service Crk	Upper John Day	4,231	80	84	66
(*)Little Deschutes River nr LaPine	Upper Deschutes	133	49	43	56
Hood River nr Hood River	Lower Deschutes Mt.Hood	869	70	39	72
Willamette River at Salem	Willamette	15,886	67	36	63
Wilson River near Tillamook	North Coast	722	61	-9	92
Umpqua River near Elkton	Rogue/Umpqua	6,874	74	82	60
Rogue River near Agness	Rogue/Umpqua	2,708	42	11	49
SF Coquille River at Powers	South Coast	459	50	59	55
Chetco River near Brookings	South Coast	1,870	74	136	58

≈USGS

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



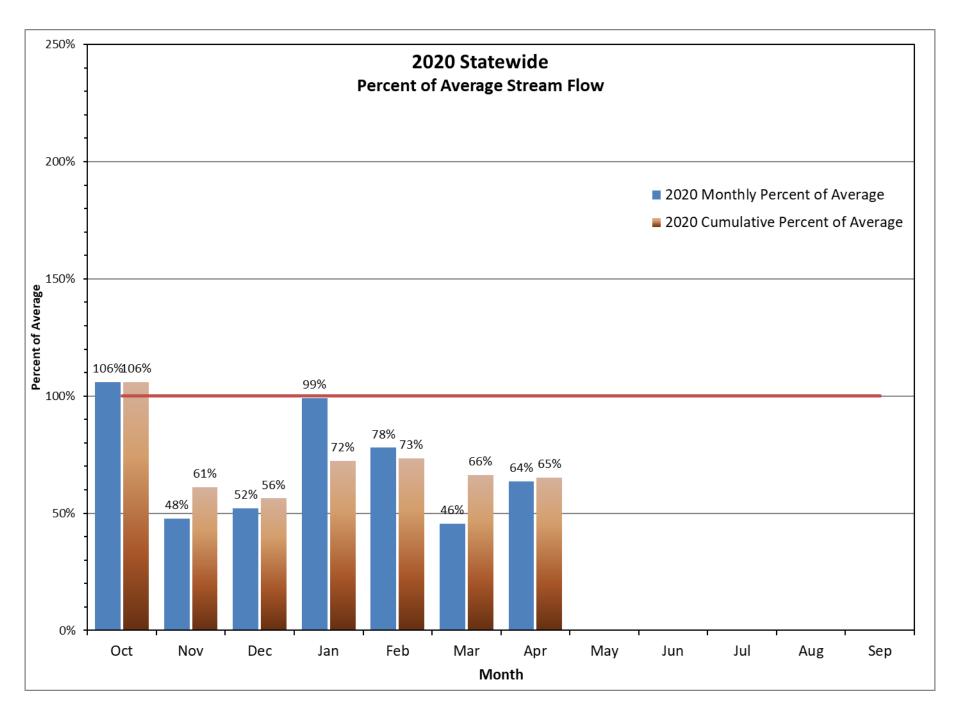
Explanation - Percentile classes							
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff
Much below	Normal	Below normal	Normal	Above normal	Much a	bove normal	



Water Supply Conditions Report Water Supply Availability Committee

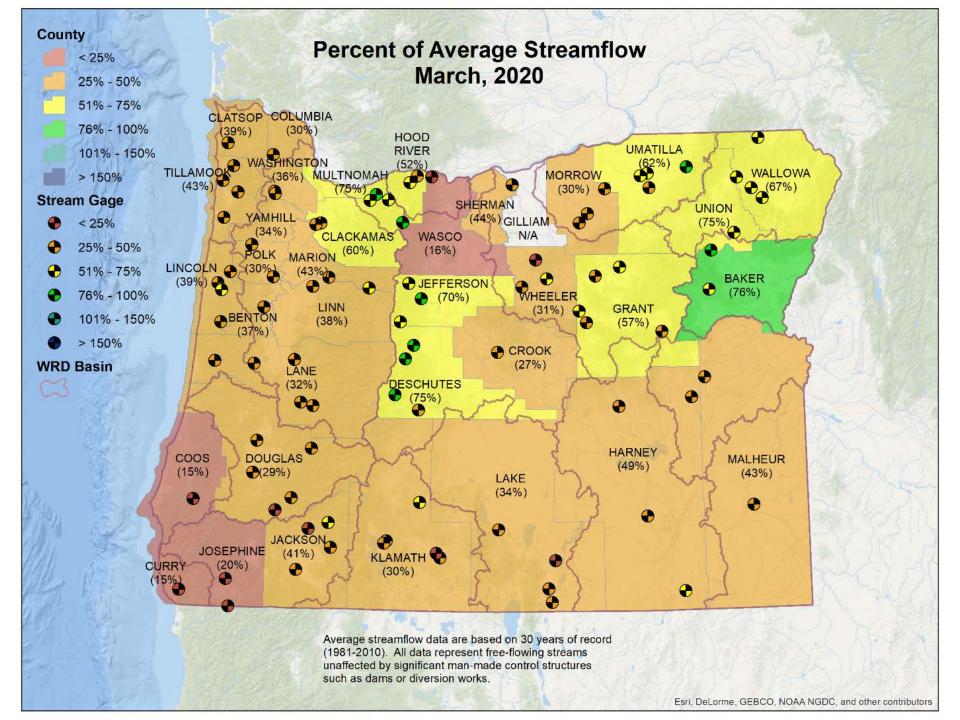


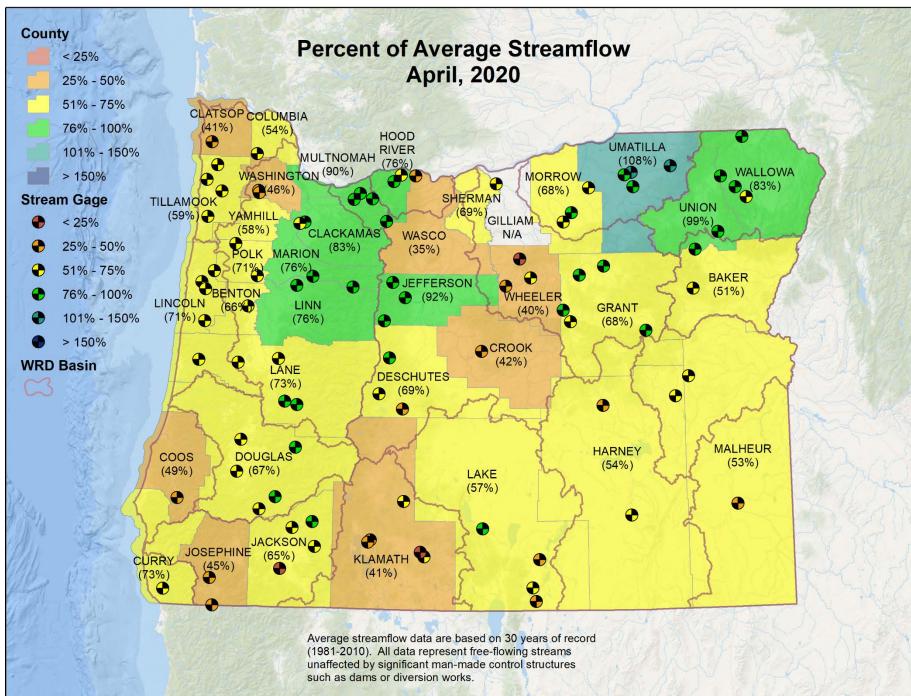
Ken Stahr Oregon Water Resources Department May 13, 2020

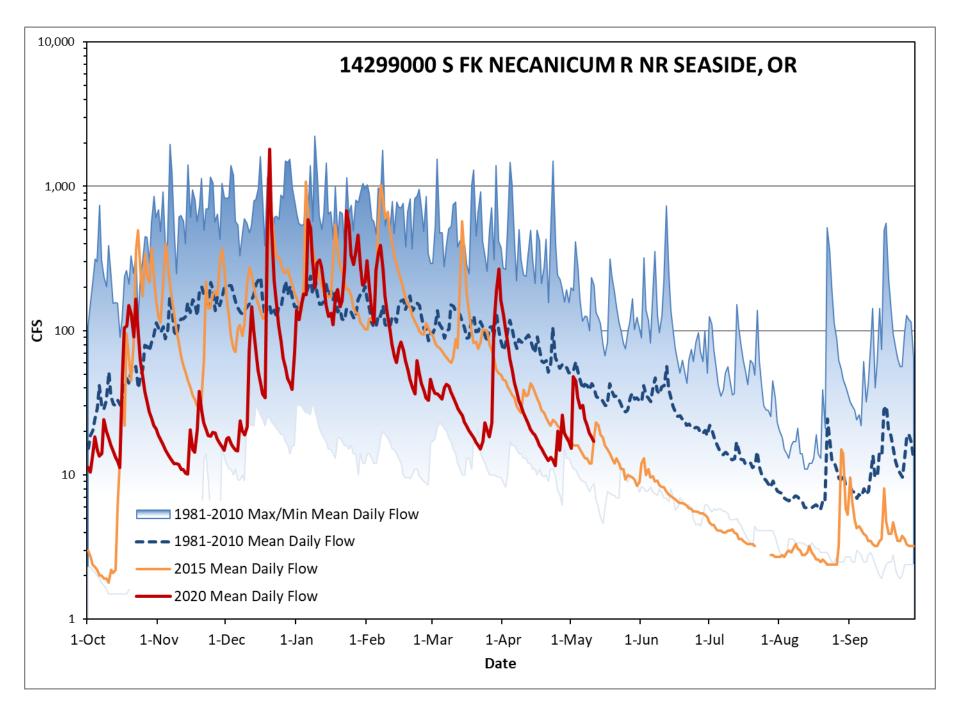


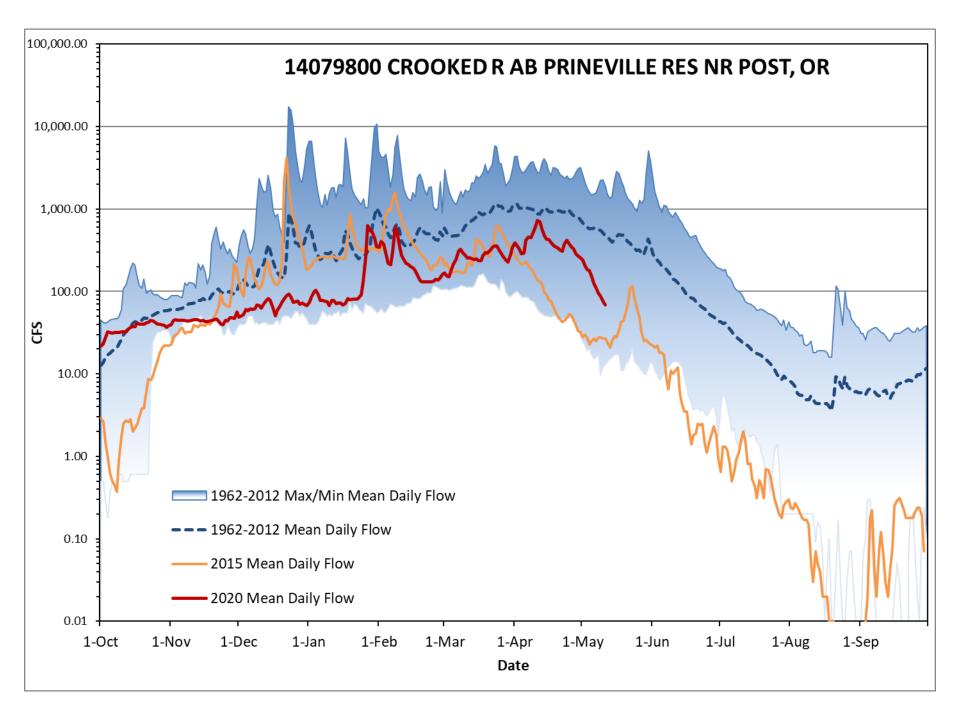


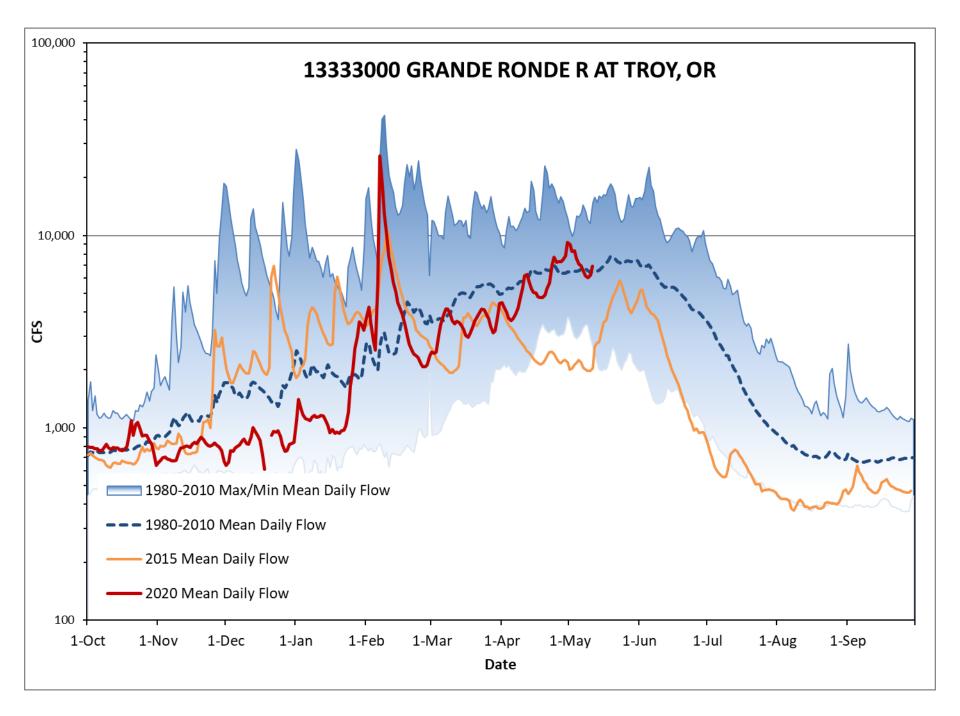
Basin	Water Year % of average thru April	% of average for April	% of average for 05/11/2020	# of data points
West Side	69%	67%	55%	45
East Side	63%	<mark>62</mark> %	63%	48
State	65%	64%	60%	93

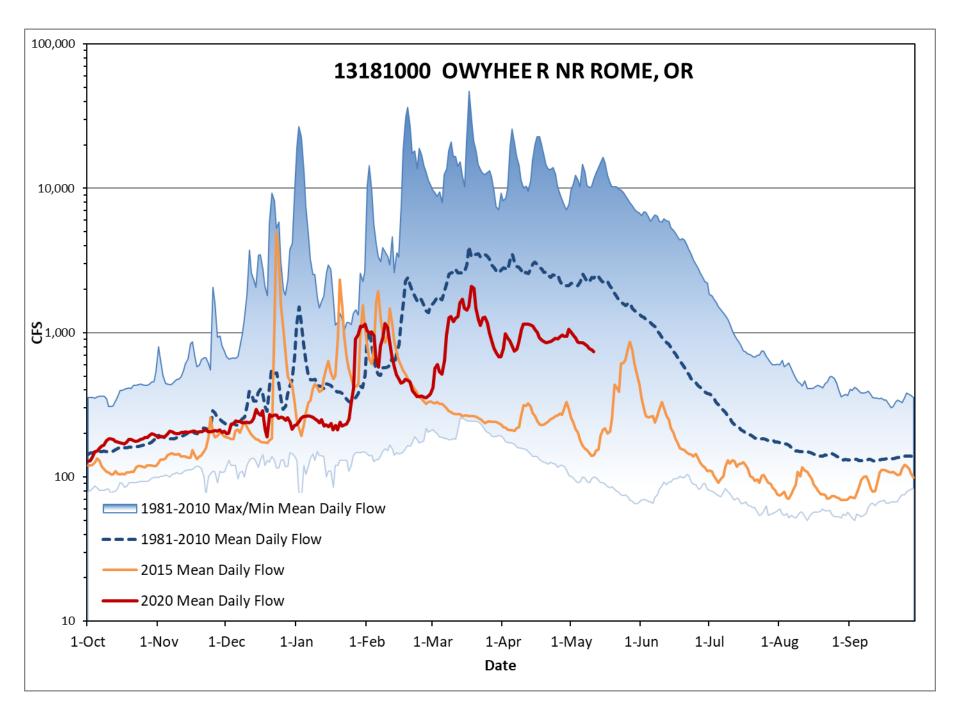


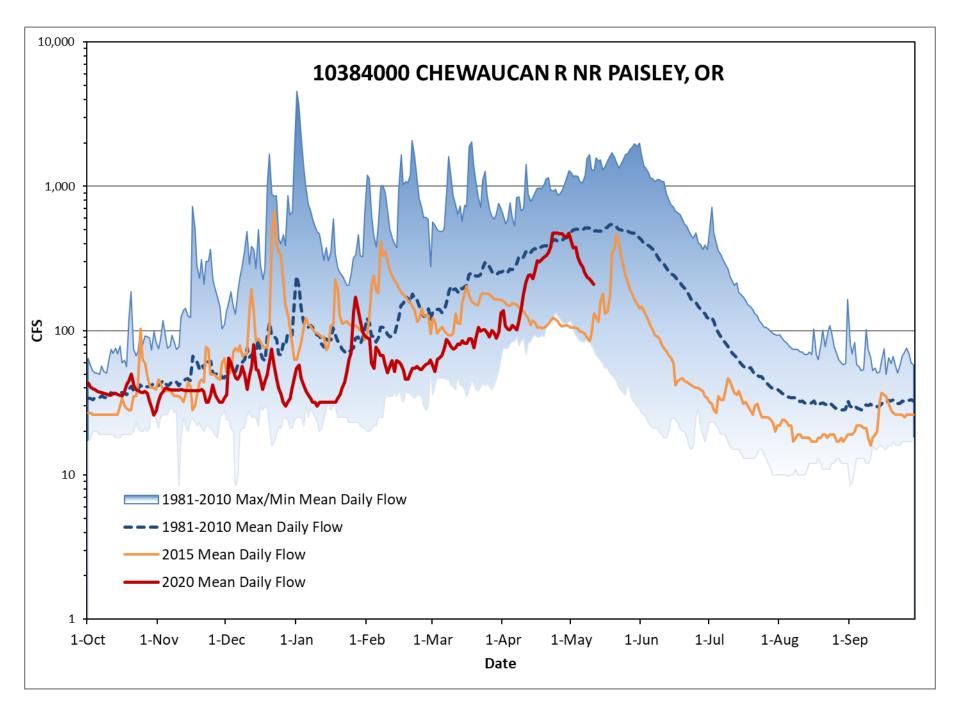


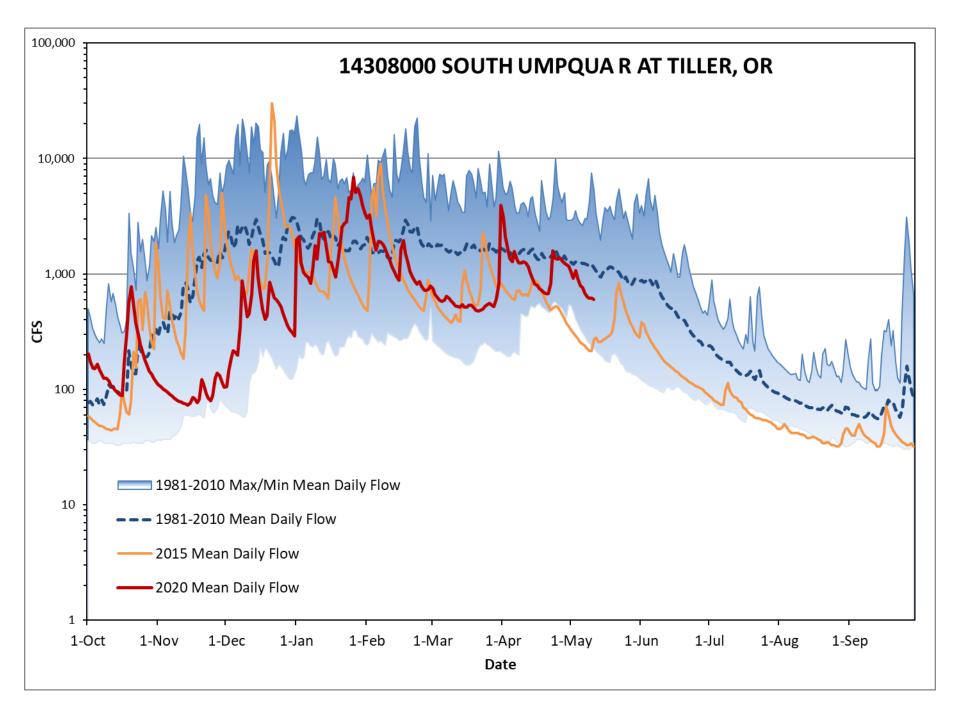














OREGON



WATER RESOURCES D E P A R T M E N T

Thank you

RECLANATION Managing Water in the West

Oregon Water Supply Availability Committee Meeting

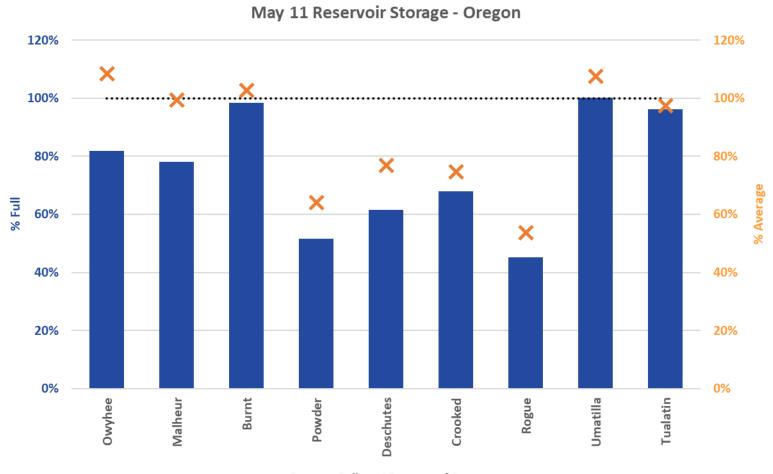
Pacific Northwest Regional Office River and Reservoir Operations May 12, 2020





U.S. Department of the Interior Bureau of Reclamation

Current Storage Conditions

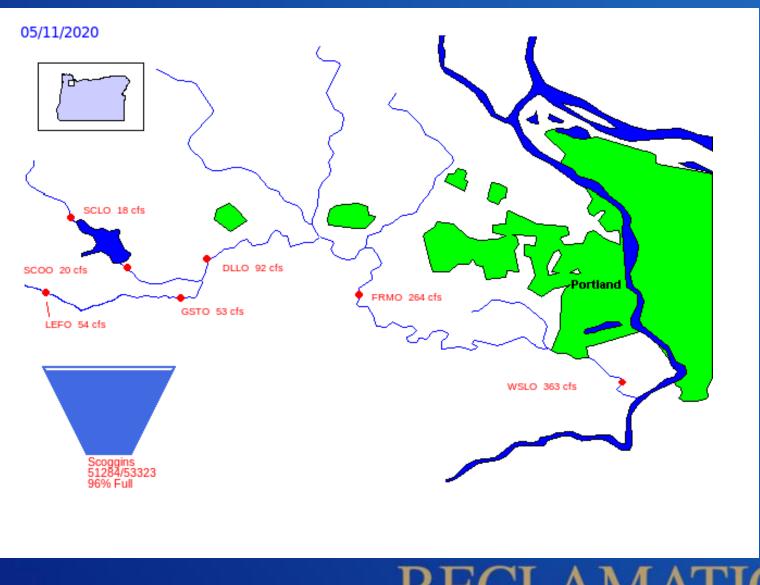


Percent Full

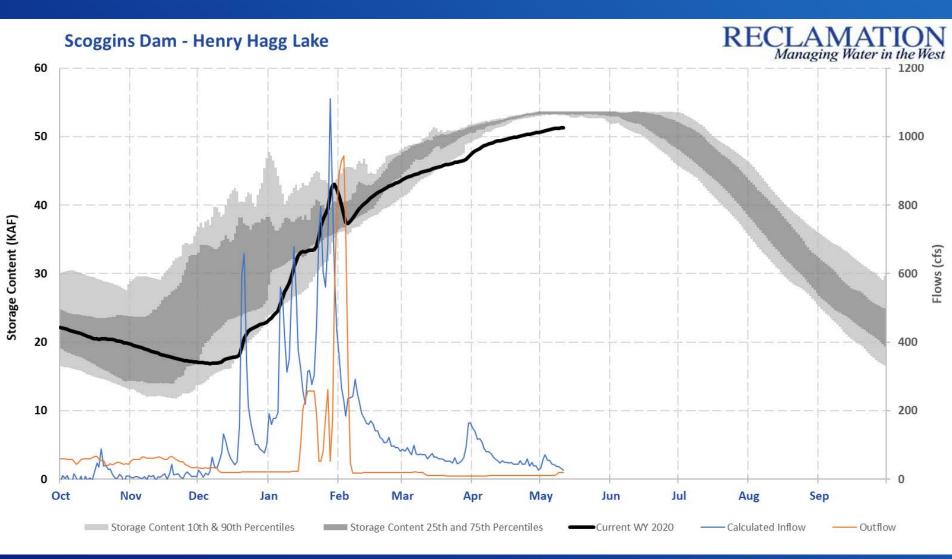
× Percent of Average

Current Conditions by Reservoir

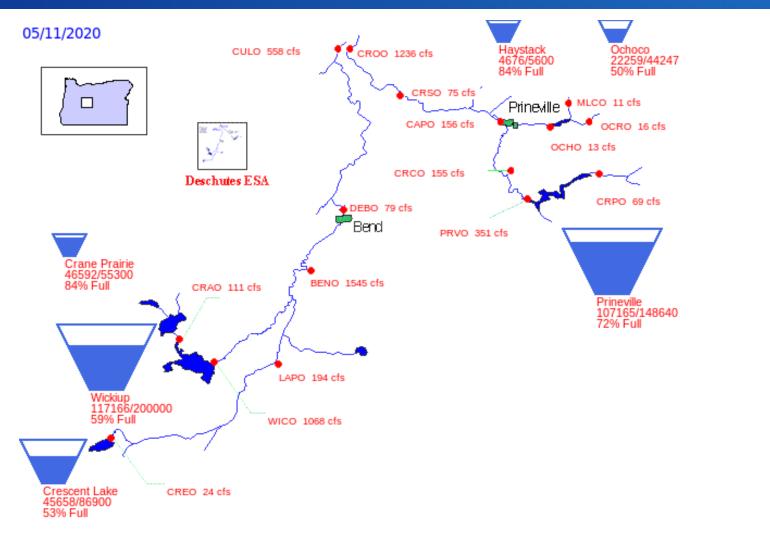
Tualatin River Basin



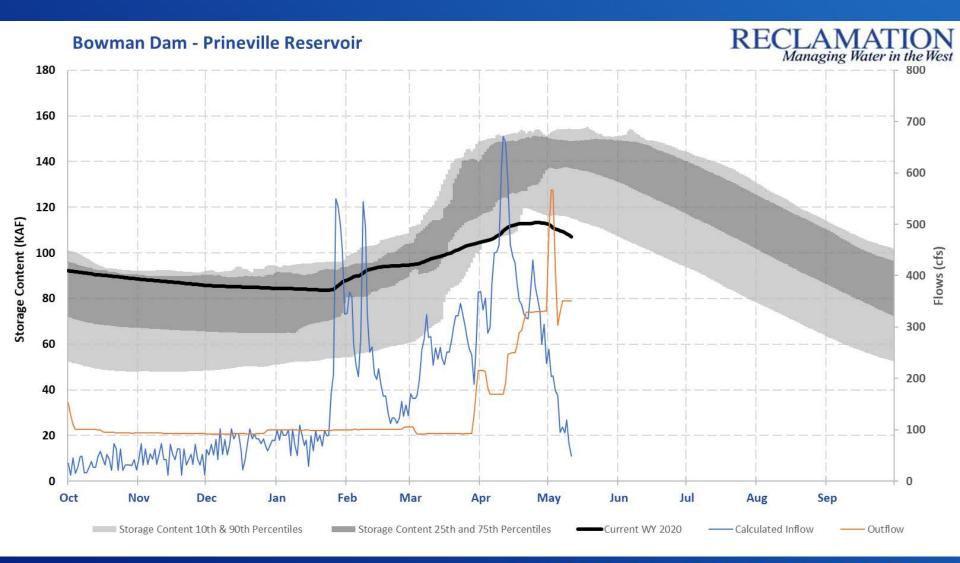
Tualatin River Basin: Scoggins



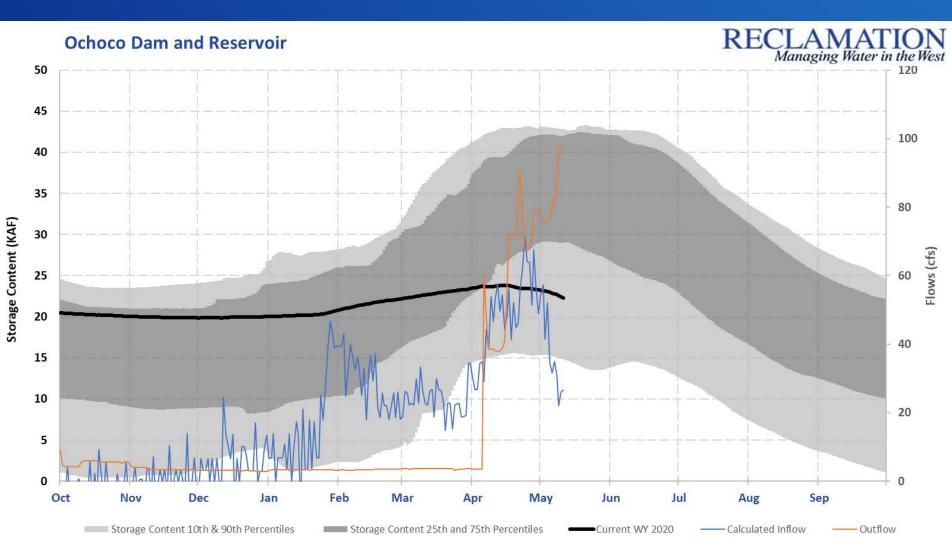
Deschutes River Basin



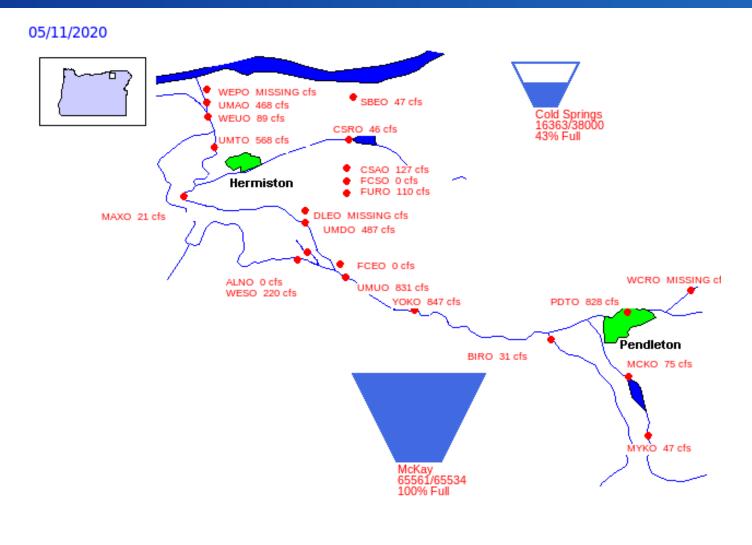
Deschutes River Basin: Prineville



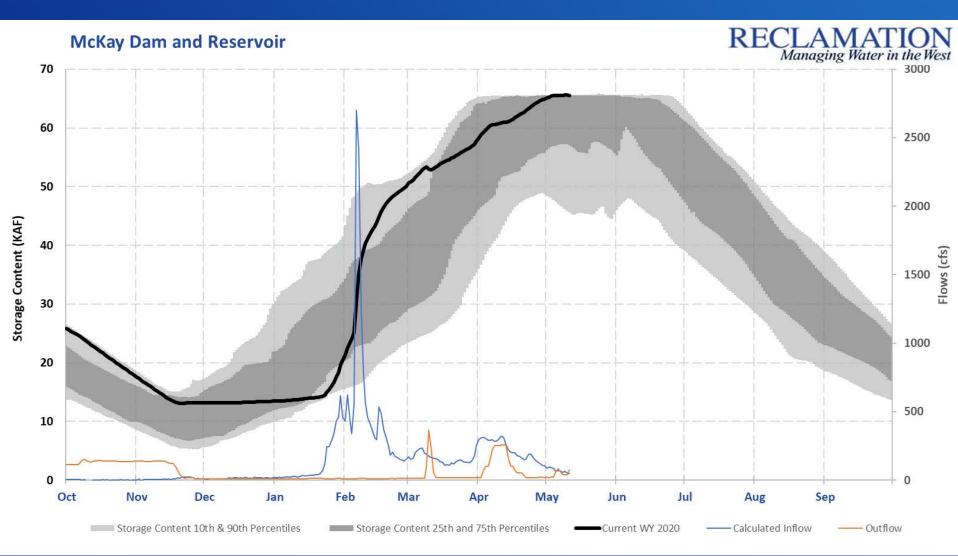
Deschutes River Basin: Ochoco



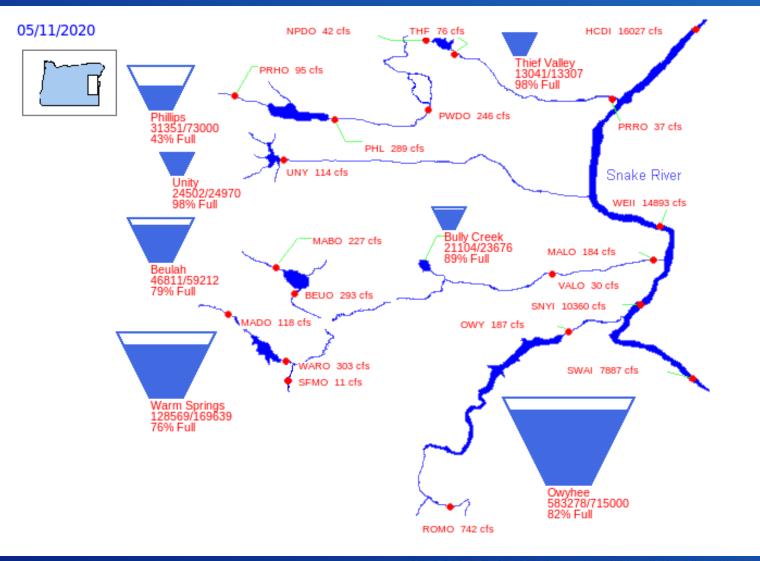
Umatilla River Basin



Umatilla River Basin: McKay



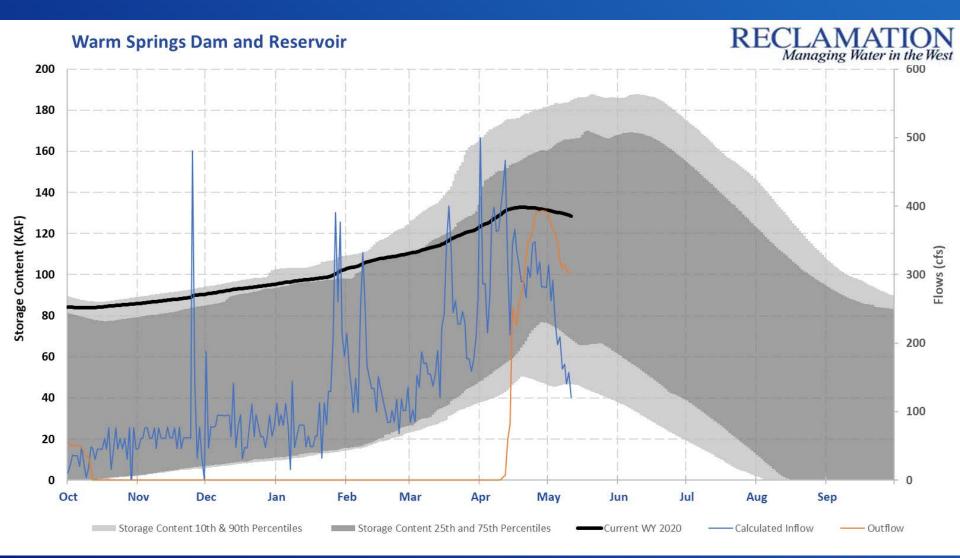
Southeastern Oregon



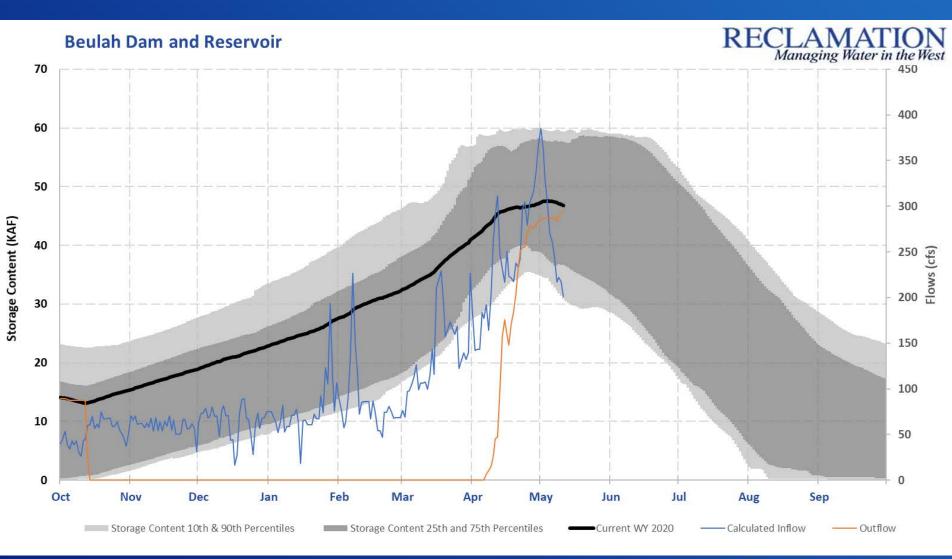
Owyhee River Basin: Owyhee

RECLAMA Owyhee Dam and Reservoir Managing Water in the West 800 2500 700 2000 600 Storage Content (KAF) 500 1500 Flows (cfs) 400 1000 300 200 500 100 0 0 Oct Nov Dec Jan Feb Mar Apr May Jun Jul Sep Aug Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles Outflow Current WY 2020 Calculated Inflow

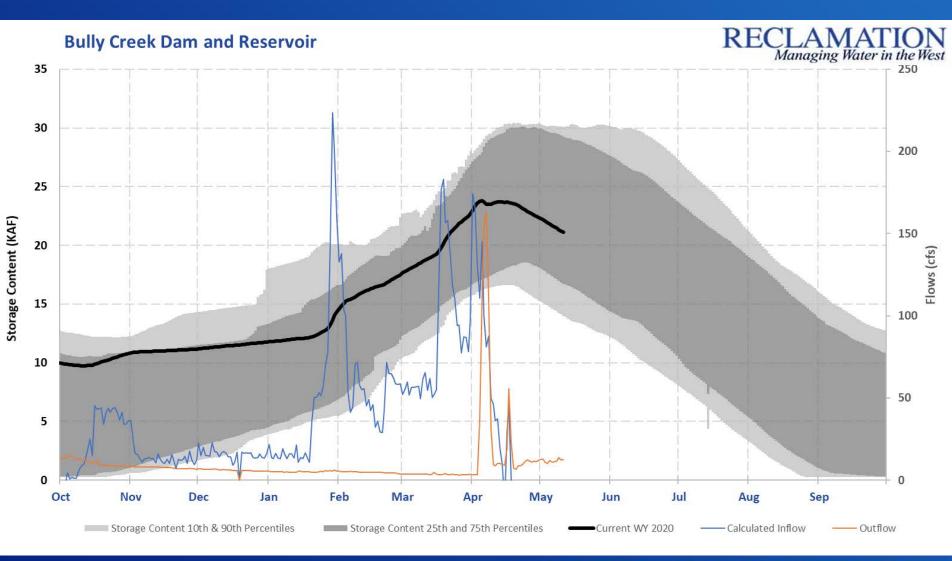
Malheur River Basin: Warm Springs



Malheur River Basin: Beulah



Malheur River Basin: Bully Creek



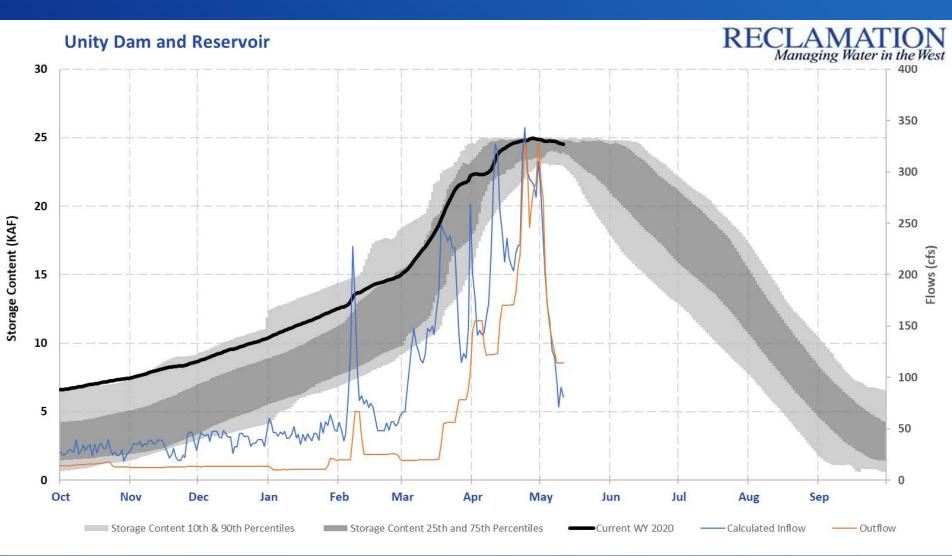
Powder River Basin: Phillips

RECLAMA Mason Dam - Phillips Lake Managing Water in the West 90 450 80 400 70 350 60 300 50 250 Flows (cfs 40 200 30 150 20 100 10 50 Intramy Month Marin 0 0 Oct Feb Mar Jul Nov Dec Jan May Jun Aug Sep Apr Storage Content 10th & 90th Percentiles Storage Content 25th and 75th Percentiles Current WY 2020 Calculated Inflow Outflow

RECLAMATION

Storage Content (KAF)

Burnt River Basin: Unity



Questions

