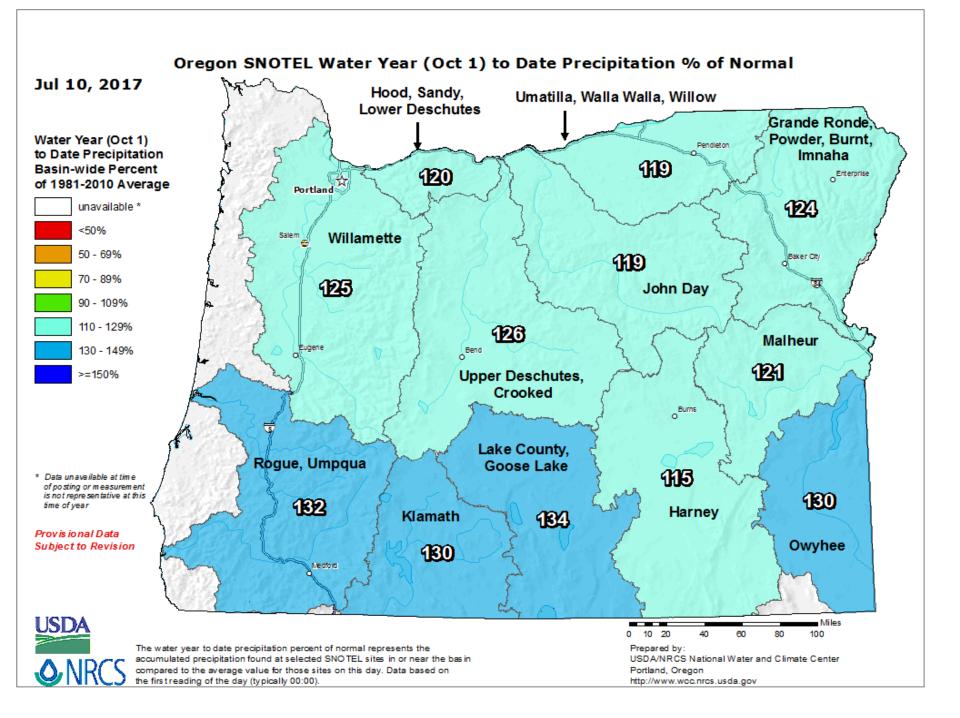
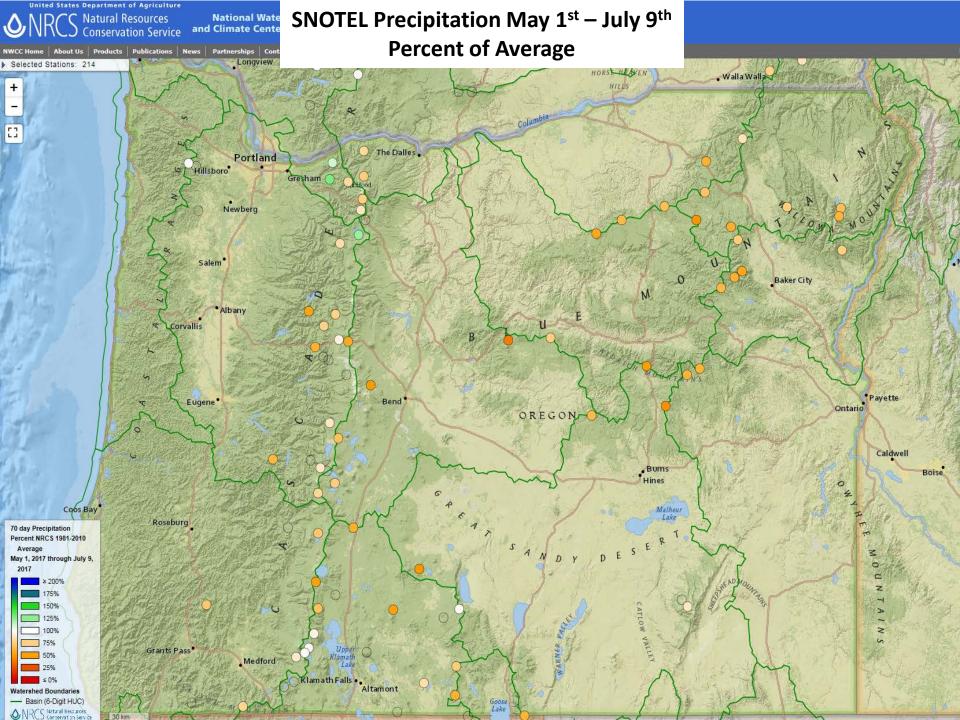
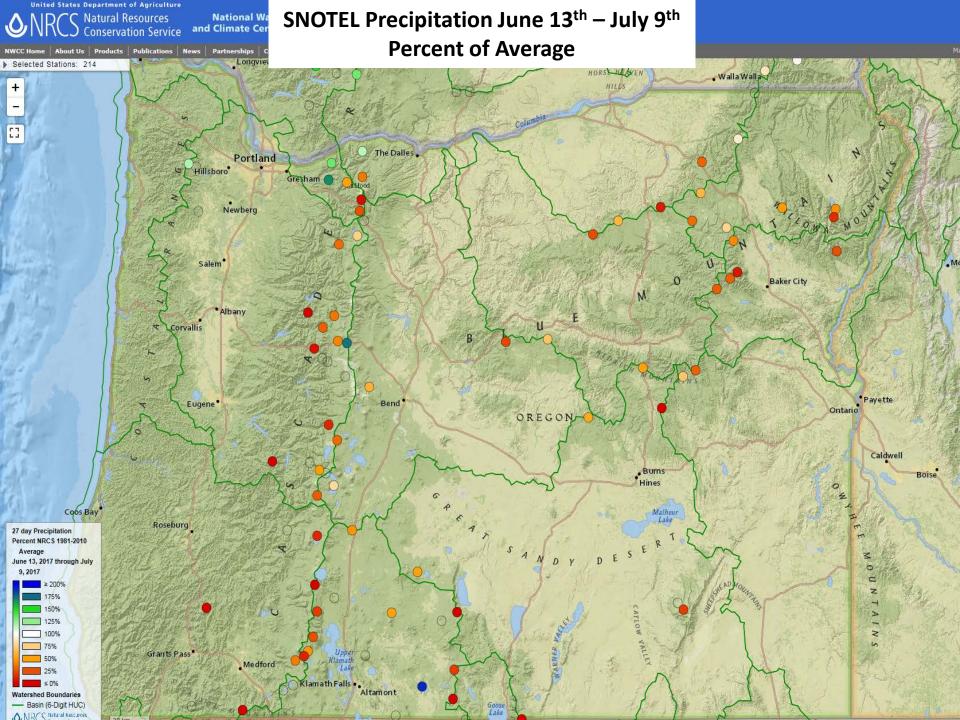
Oregon Water Supply Availability Committee

July 11, 2017









Oregon Water Supply Availability Committee

July 11, 2017



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.

Oregon Water Supply Availability July 11, 2017 NWS Update

NOAA



Andy Bryant, NWS Portland



Seasonal Precipitation

Water Year - Percent of Average Columbia Basin

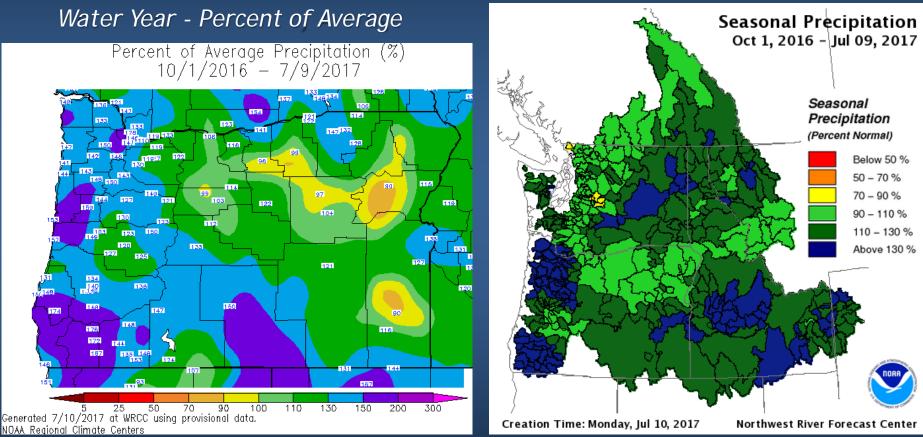


Image sources: www.wrcc.dri.edu & www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php



Seasonal Temperatures

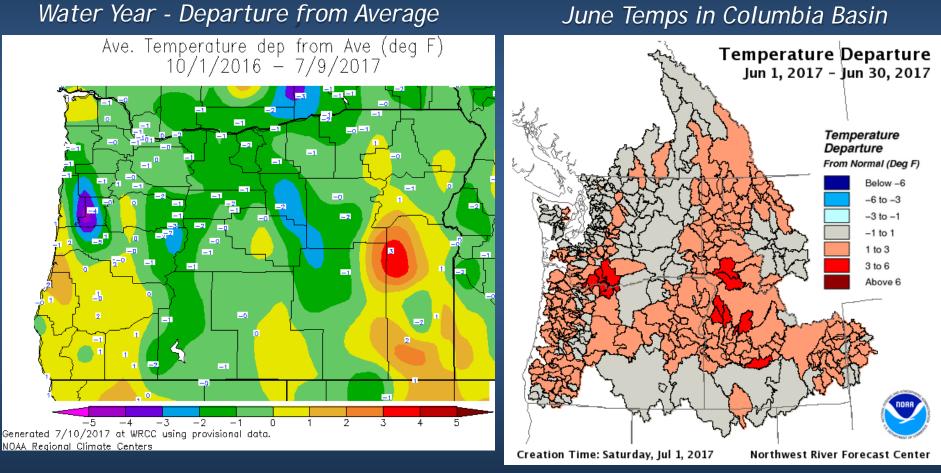
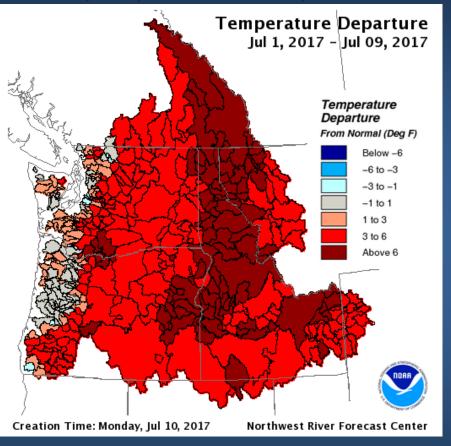


Image sources: www.wrcc.dri.edu & www.nwrfc.noaa.gov

July Outlook

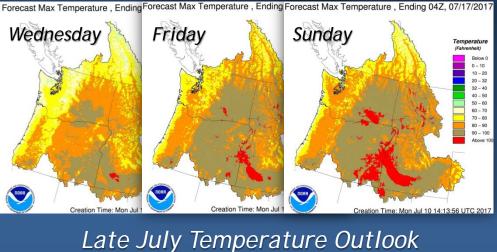
Early July observed temperatures

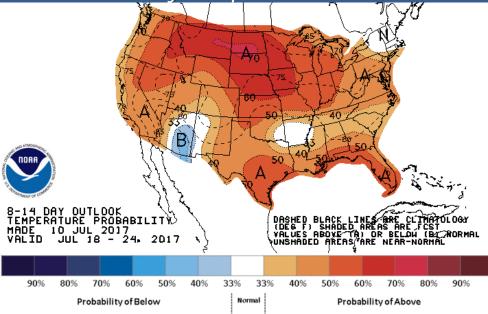


No precipitation likely next 10 days

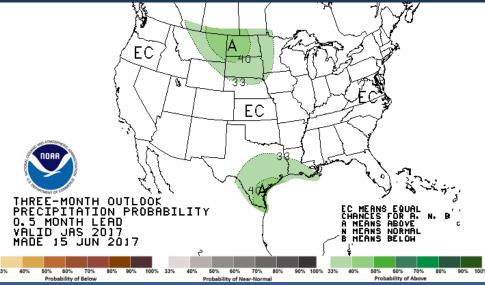
Image sources: www.nwrfc.noaa.gov & www.cpc.ncep.noaa.gov

Gradual warming next 7 days Red Flag conditions possible Central/Eastern OR





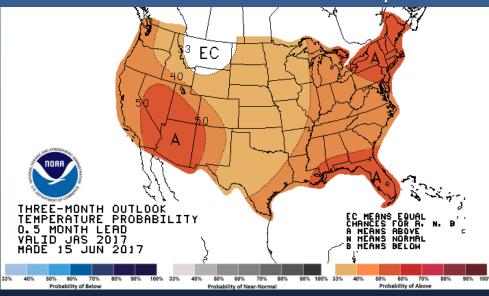
Cutlook for July-August-September



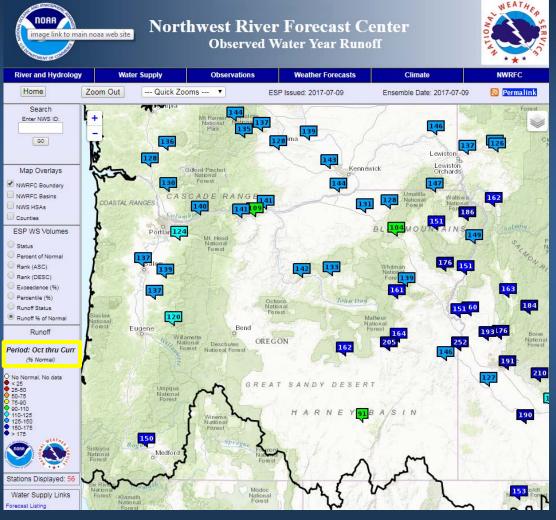
Precipitation

Temperatures

Image source: www.cpc.ncep.noaa.gov



Observed WY Runoff - % of Ave



NOAA

Klamath Basin (from California-Nevada RFC)



Image sources: www.nwrfc.noaa.gov & www.cnrfc.noaa.gov

Water Supply Availability Committee July 2017

http://or.water.usgs.gov/data_dir/war_dir/war1604.html

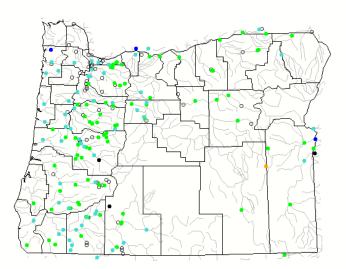
http://or.water.usgs.gov/sw_studies/index.html

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

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

Oregon
v or Water-Resources Regions
v

Monday, June 12, 2017

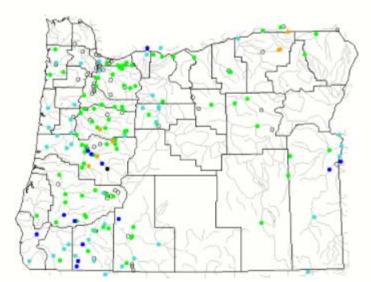


≊USGS



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

		Explar	nation - F	Percent	ile classe	s	
•		•				•	0
Low	<10	10-24	25-75	76-90	>90	L.C.a.b.	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal	High	Not-ranked



⊠USGS

Search USGS streamgage

Choose a data retrieval option and select a location on the map © List of all stations [®] Single station [©] Nearest stations

		Explan	nation - F	Percent	ile classe	s	
•	•	•	•	•	•	٠	0
Low	<10	10-24	25-75	76-90	>90	-	Alet cardina
LOW	Much below	Below	Normal	Above	Much above normal	High	Peocharket

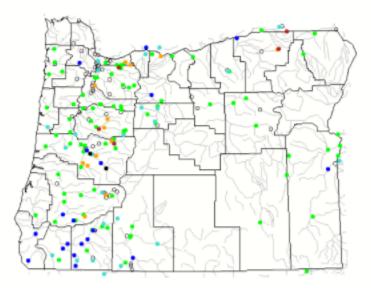
WAC July 2017

Monday, July 10, 2017

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

Oregon V or Water-Resources Regions V All Days

Monday, July 10, 2017

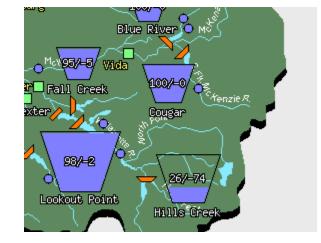


≊USGS

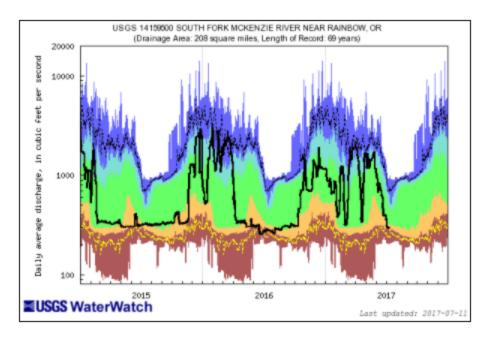
Search USGS streamgage 🖉

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

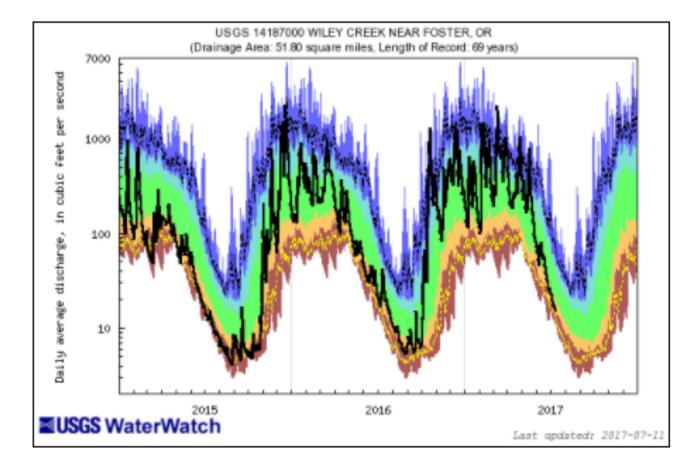
		Explan	nation - I	Percent	ile classe	s	
•		•	•		•	٠	0
Low	<10	10-24	25-75	76-90	>90		Biot makes
LOW	Much below normal	Below	Normal	Above	Much above normal	High	Patrianked



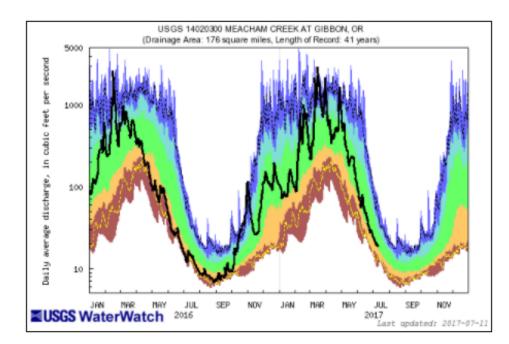
For some streams, flow statistics may have been computed from mixed regulated and unregulated flows; this can affect depictions of flow conditions.



	E	xplana	tion - Pe	ercentile	classe	s	
							_
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	Fight



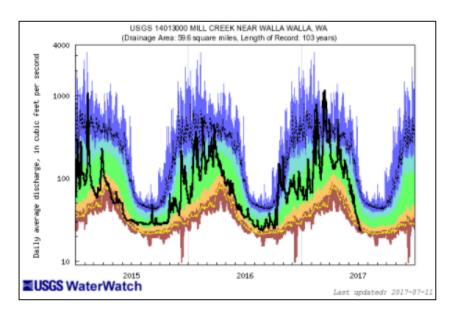
	E	xplana	tion - Pe	ercentile	classe	8	
						•	_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal Bolow Normal Normal				Above	Much above rozmal		100



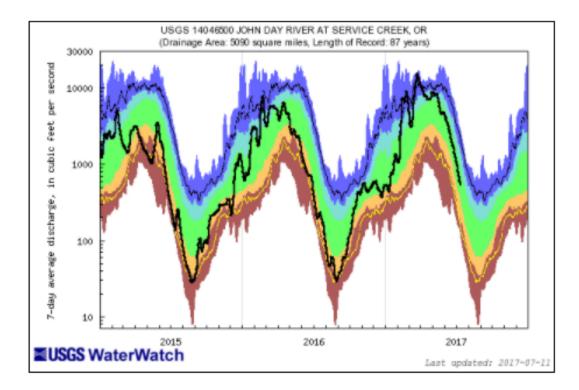
Meacham Creek (near Gibbon) and Mill Creek (Walla Walla)

	E	xplana	tion - Pe	ercentile	classe	IS	
						•	_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal		Below normal	Normal	Above	Mach	above normal	19101

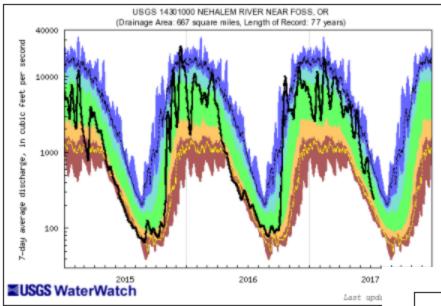
Non Regulated Sites



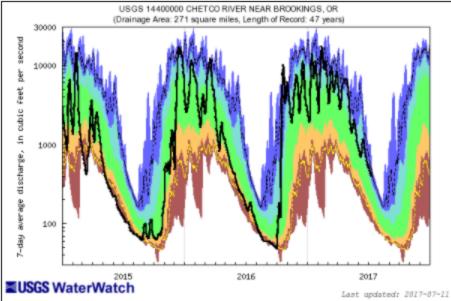
	E	xplana	tion - Pe	rcentile	classe	8	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Daw
		Balance					71010



	E	xplana	tion - Pe	ercentile	classes	8	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below	Below, normal	Normal	Above	Macha	bove normal	1.0210	

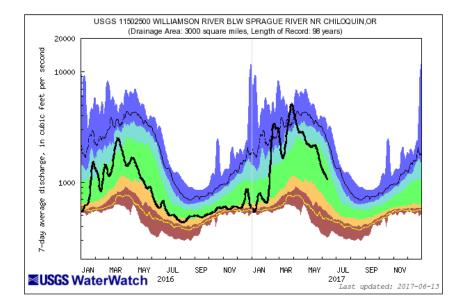


	E	xplana	tion - Pe	ercentile	classe	8	
						•	_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal		Below normal	Normal	Above normal	Much	above normal	1.0210

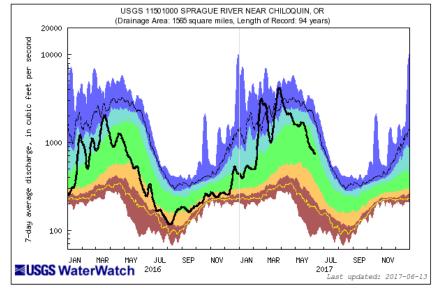


	E	xplana	tion - Pe	ercentile	classe	s	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below I	Normal	Below, normal	Normal	Above	Much	above normal	1.010

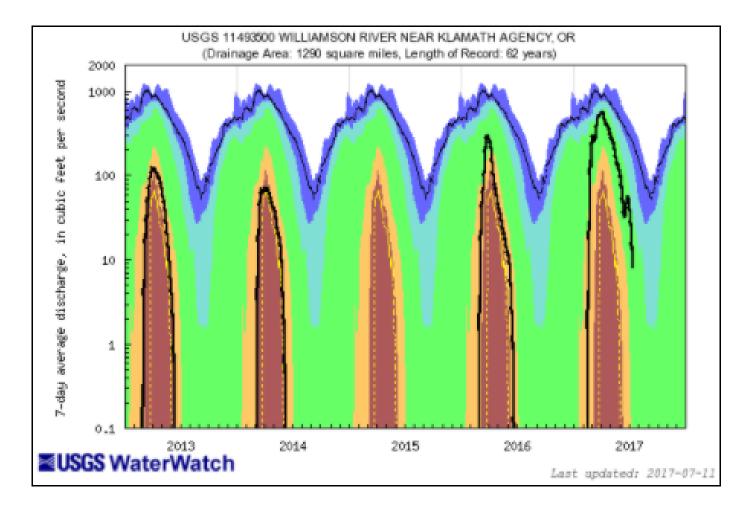
Klamath



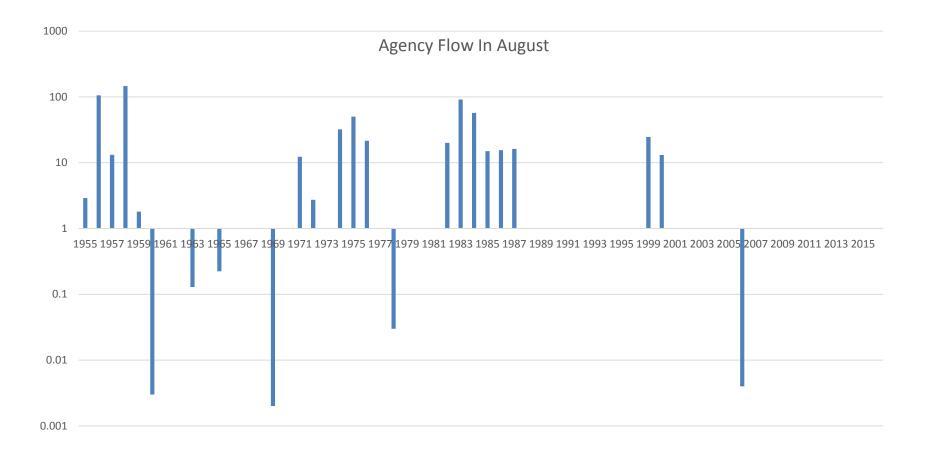
Explanation - Percentile classes											
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow				
Much below	uch below Normal Below normal Normal Above normal Much above normal				1104						

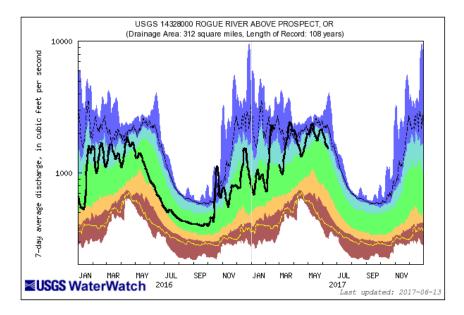


	E	xplana	tion - Pe	rcentile	classes	5	
						_	
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below	Normal	Below normal	Normal	Above normal	Much a	1104	



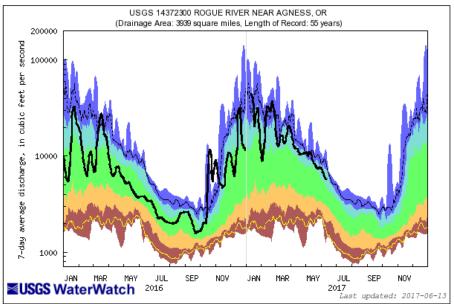
Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below Normal		Below normal	Normal	Above	Mucha	bove normal	1.1210		





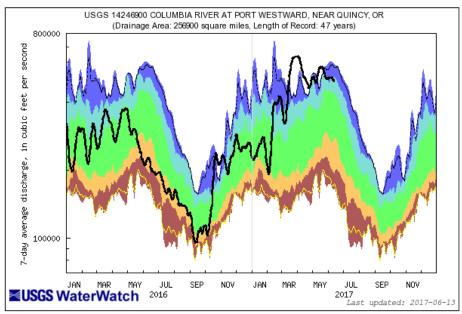
Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95 90th percentile -highest Flow				
Much below Normal		Below normal	Normal	Above normal	Much a	bove normal	1.00		

Southern Oregon

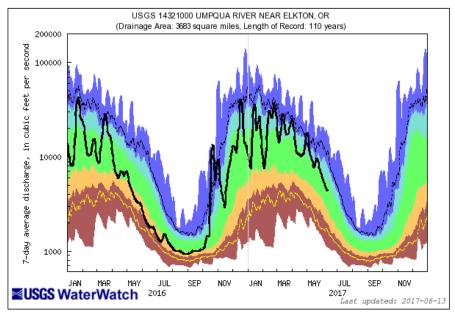


Explanation - Percentile classes									
							_		
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flov		
Much below Normal		Below normal	Normal	Above normal	Much a	bove normal	1101		

Outflows

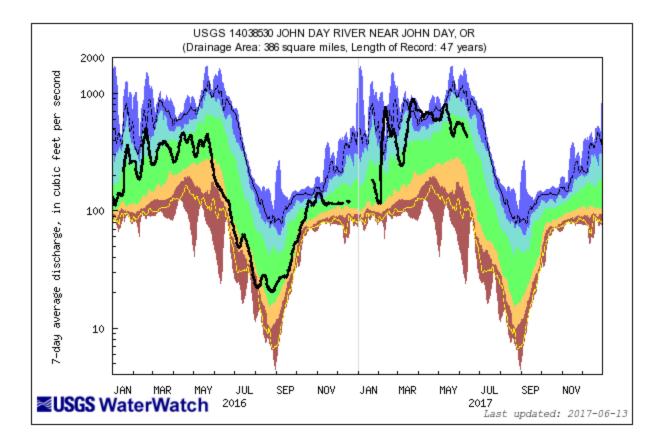


Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below normal	Normal	Above normal			1101		



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		1104	

John Day



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 a	bove normal			

US GEOLOGICAL SURVEY, OREGON WATER SCIENCE CENTER WATER AVAILABILITY REPORT FOR JUNE 2017

Station	NRCS SWSI Basin	Month disc Cubic	by mean charge Percent	in dis- charge from previous	Accumulated Runoff For the Period Oct. to June Percent of average
Donner Und Blitzen nr Frenchglen			91		93
(*)Deep Creek above Adel	Lake County	279	148	-62	287
(*)Chewaucan River near Paisley	Lake County	337	134	-59	200
Williamson River near Chiloquin	Klamath	958	101	-49	127
Owyhee River near Rome	Owyhee	1,037	129	-68	155
(*)NF Malheur River near Beulah	Malheur	284	124	-58	160
Grande Ronde R at Troy	Grande Ronde Powder/Burnt	6,668	126	-26	149
Umatilla River nr Gibbon	Umatilla Lower John Day	110	62	-76	134
John Day River at Service Crk	Upper John Day	2,147	86	-65	144
(*)Little Deschutes River nr LaPine	Upper Deschutes	383	121	-39	132
Hood River nr Hood River	Lower Deschutes Mt.Hood	1,118	132	-43	122
Willamette River at Salem	Willamette	14,846	101	-51	136
Wilson River near Tillamook	North Coast	399	102	-56	146
Umpqua River near Elkton	Rogue/Umpqua	3,856	105	-54	154
Rogue River near Agness	Rogue/Umpqua	5,236	139	-48	195
SF Coquille River at Powers	South Coast	174	84	-59	172
Chetco River near Brookings	South Coast	774	105	-42	158

All data should be considered provisional and subject to revision. Percent of average computed using 30-year base period, water years 1981-2010.

7/18/2817

(*) provided by Oregon Water Resources Department

Water Availability Report linked below

http://or.water.us gs.gov/data dir/ war_dir/

Thank You

Provisional Data Statement

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

Real-time data relayed by satellite or other telemetry are automatically screened to not display improbable values until they can be verified.

Provisional data may be inaccurate due to instrument malfunctions or physical changes at the measurement site. Subsequent review based on field inspections and measurements may result in significant revisions to the data.

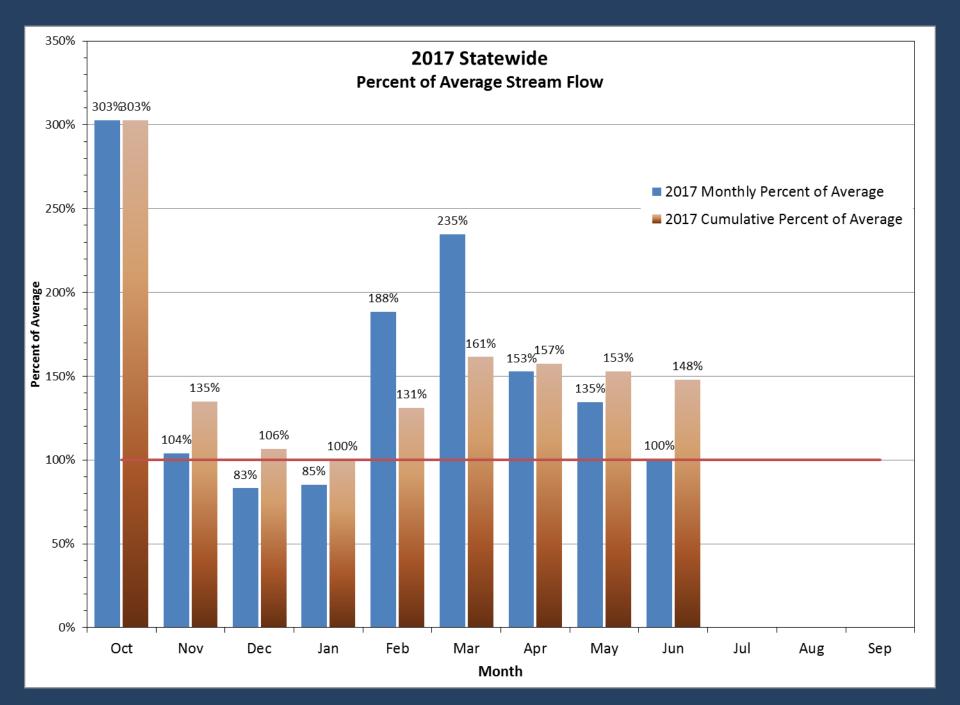
Data users are cautioned to consider carefully the provisional nature of the information before using it for decisions that concern personal or public safety or the conduct of business that involves substantial monetary or operational consequences.

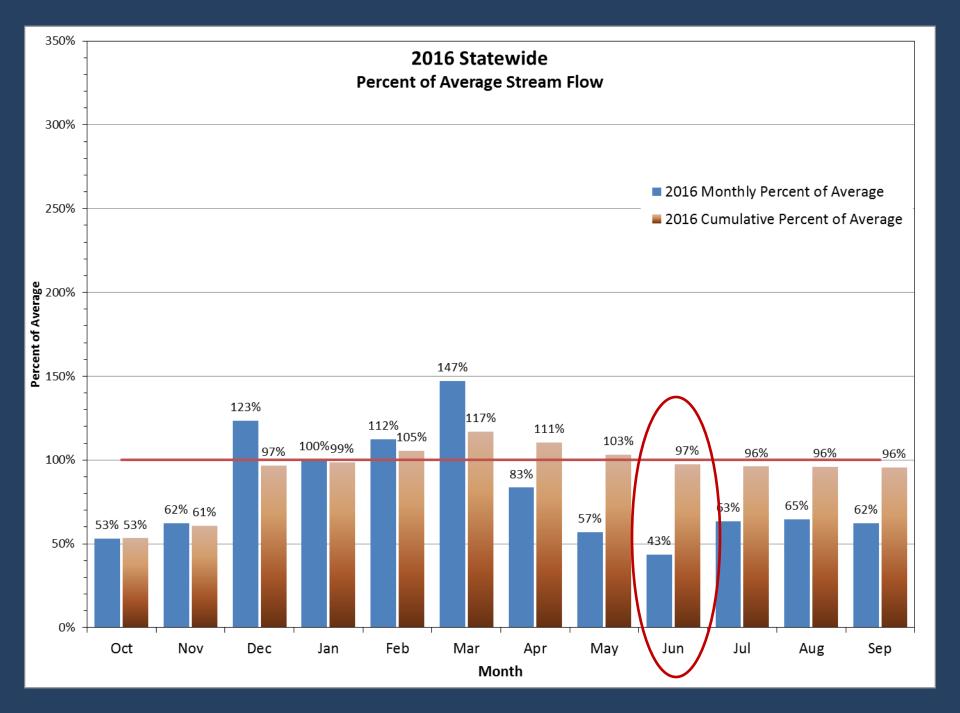
Information concerning the accuracy and appropriate uses of these data or concerning other hydrologic data may be obtained from the USGS

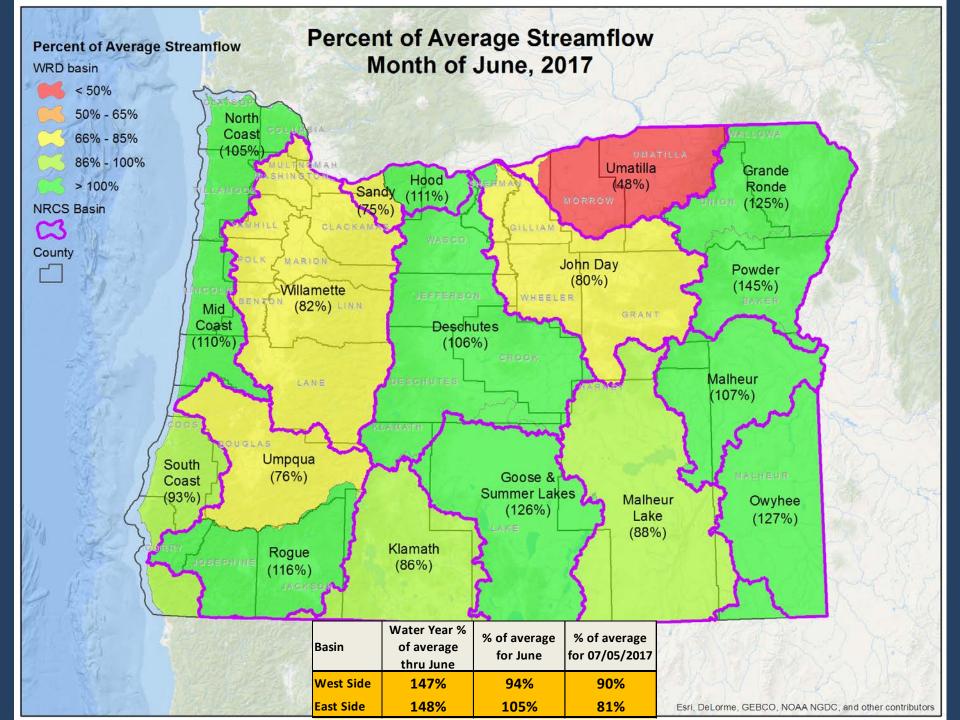
Surface Water Conditions Report Water Supply Availability Committee



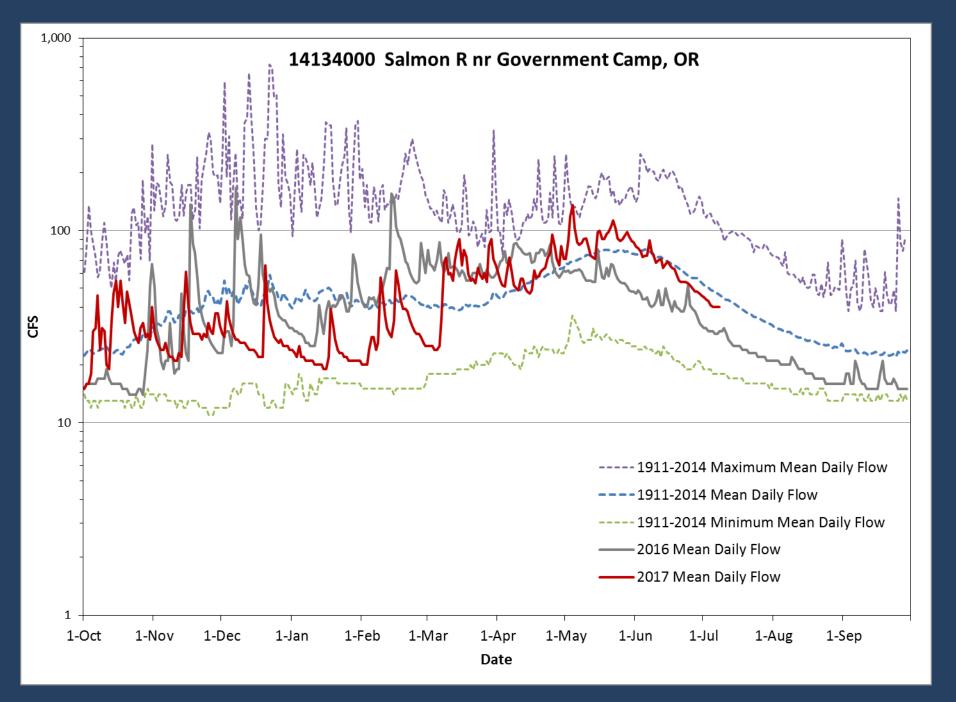
Ken Stahr Oregon Water Resources Department July 11, 2017

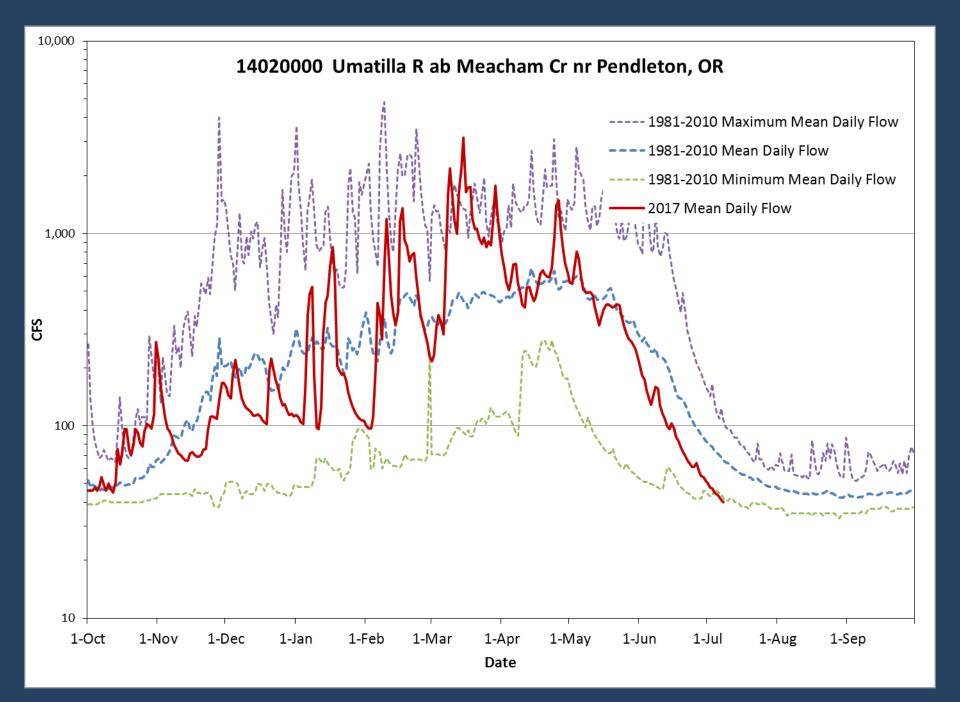


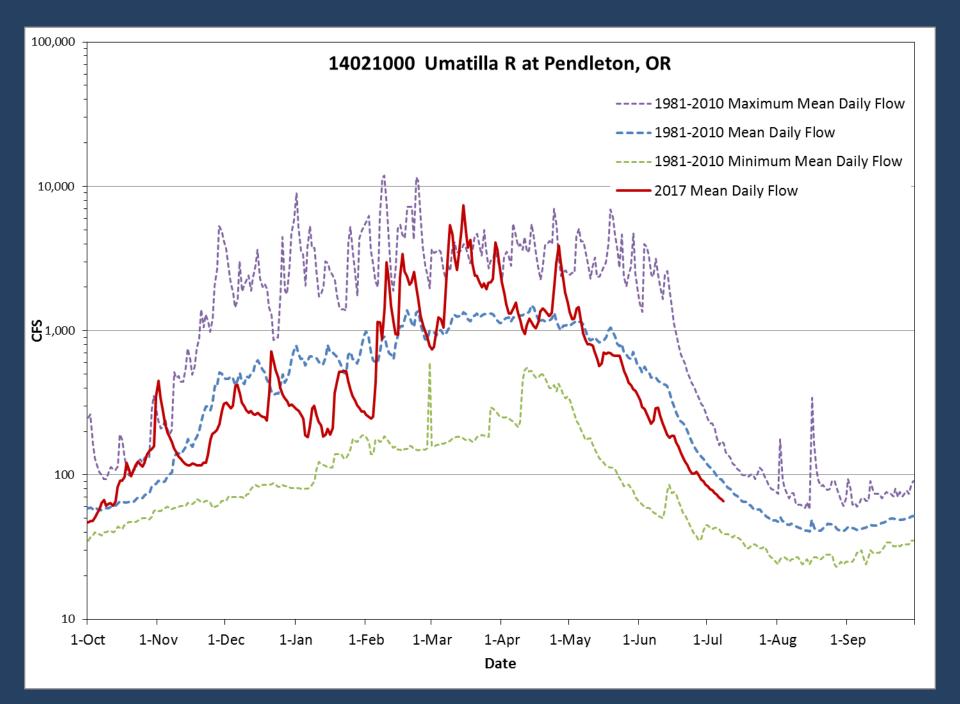


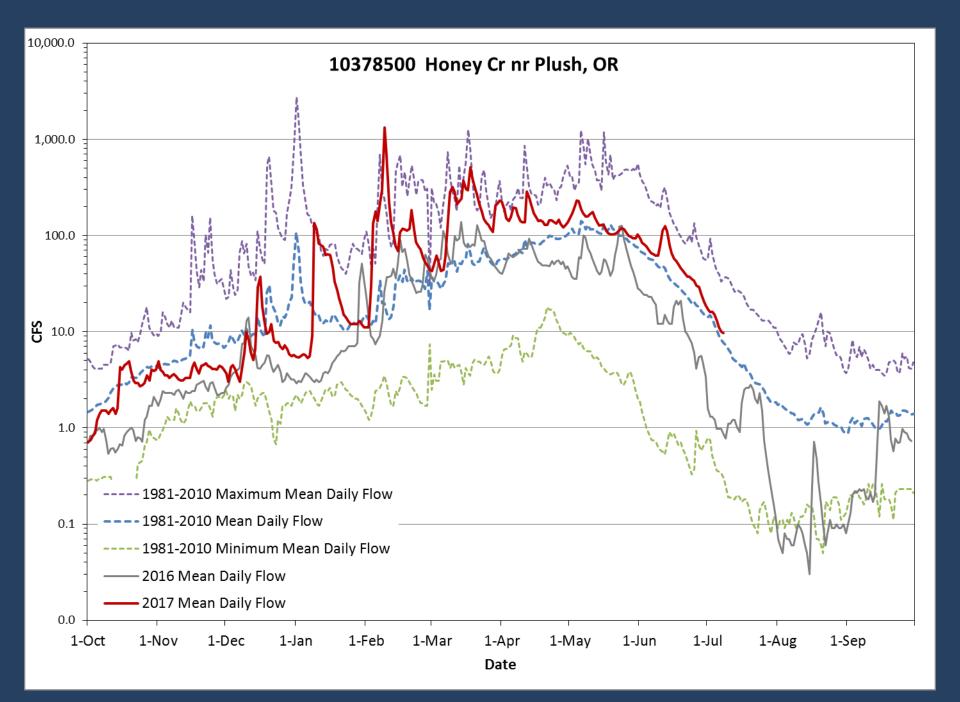


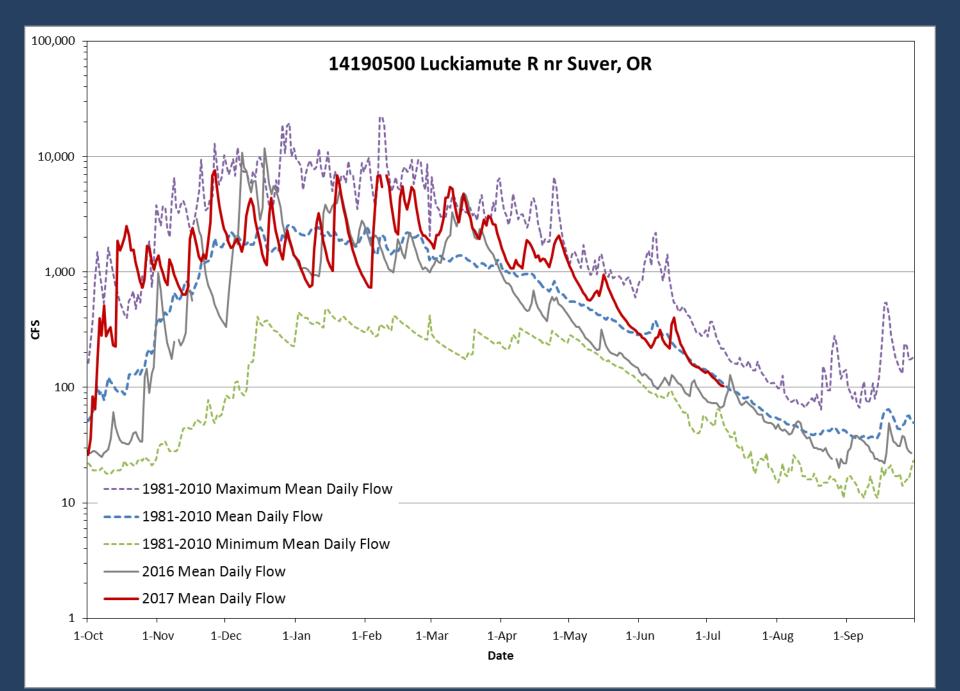


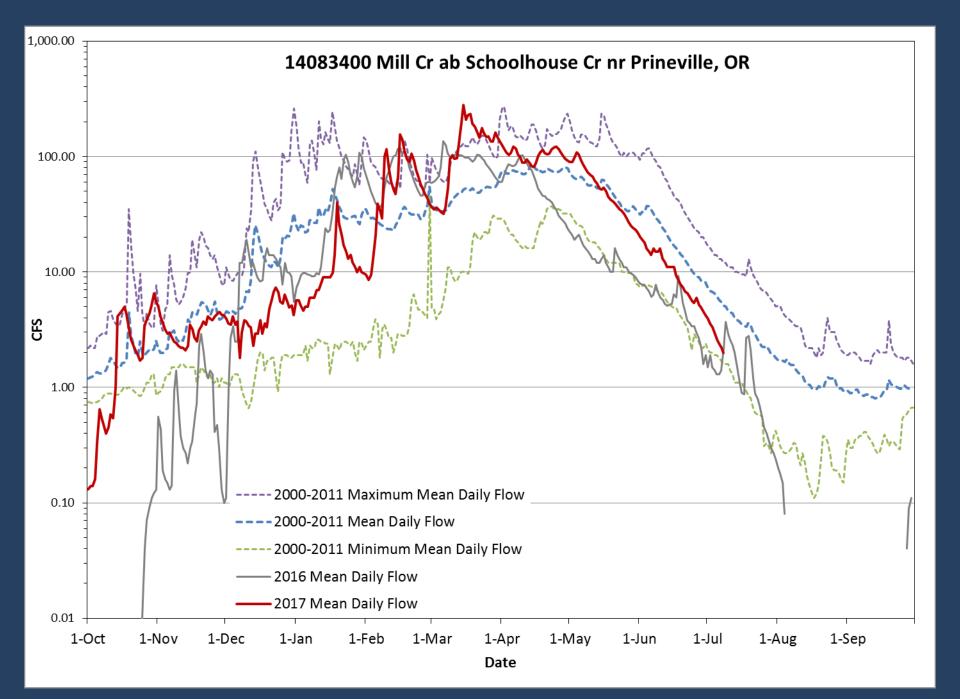




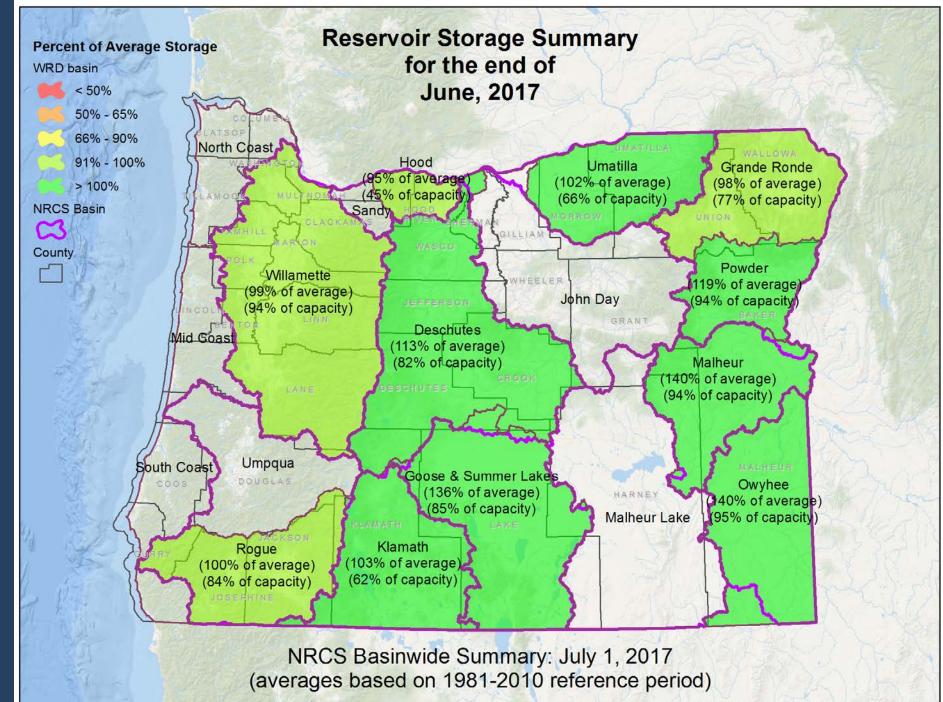


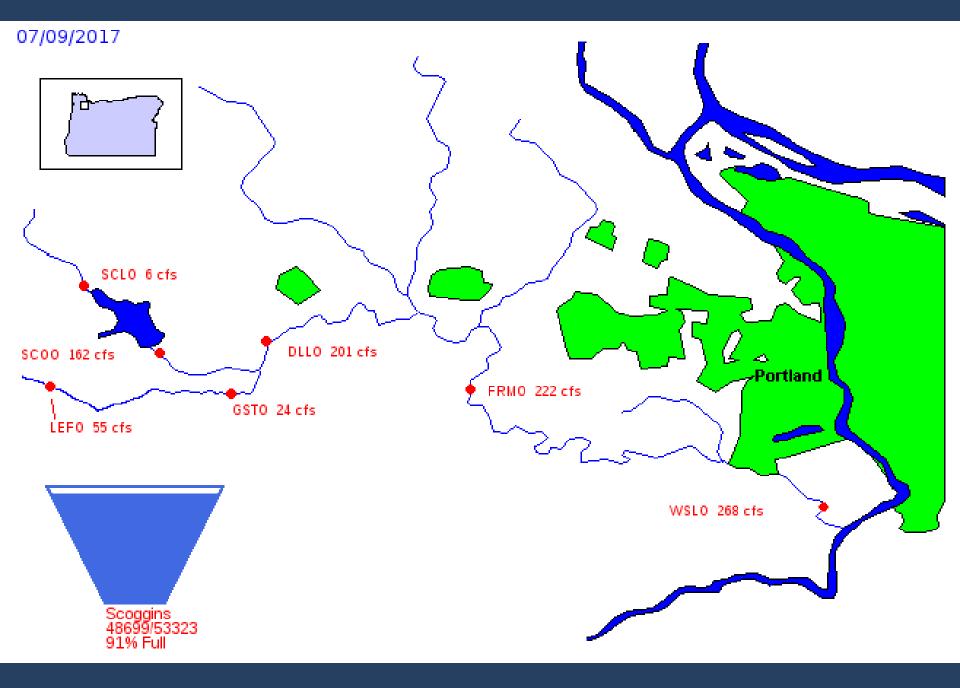






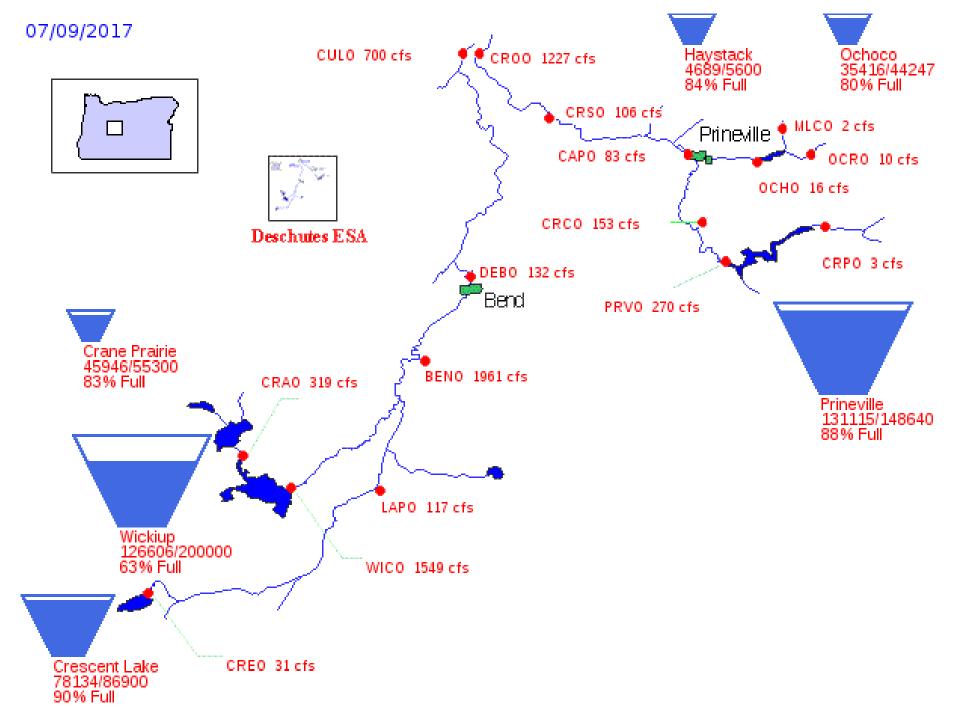




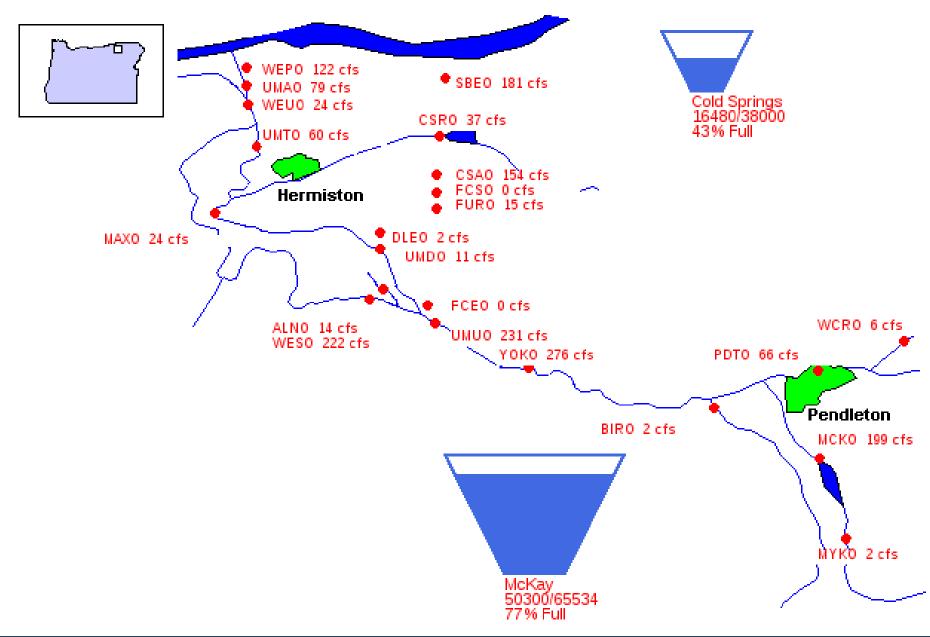


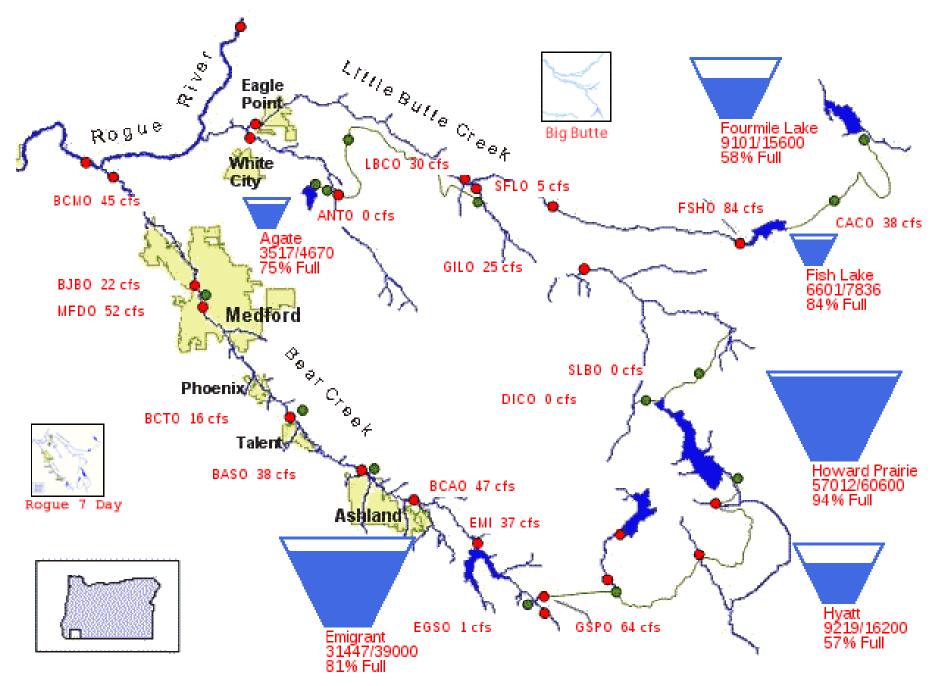


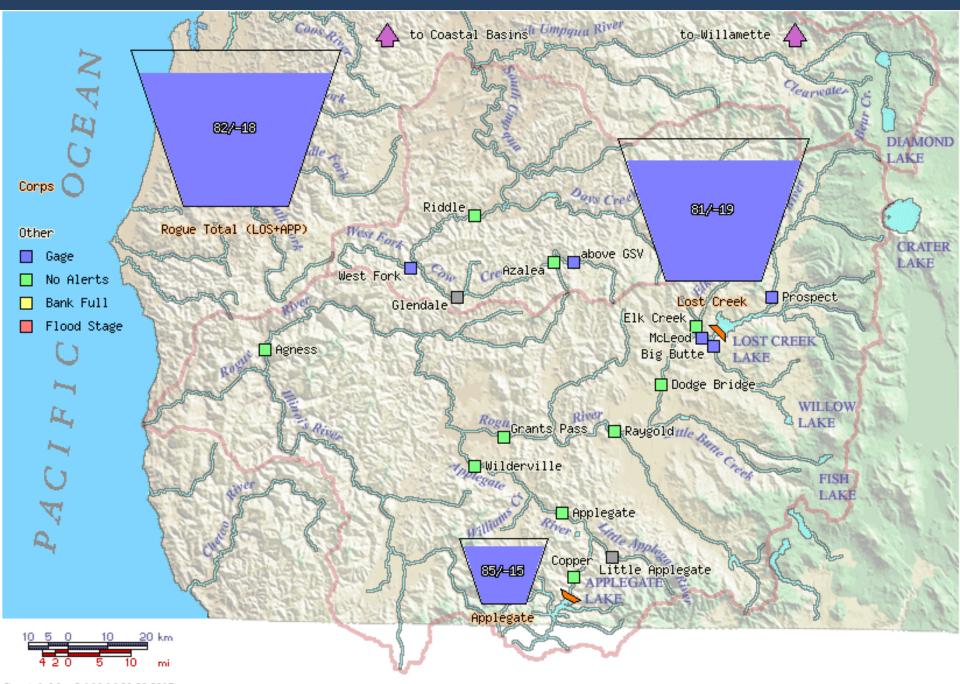
Created: Mon Jul 10 16:21:07 2017

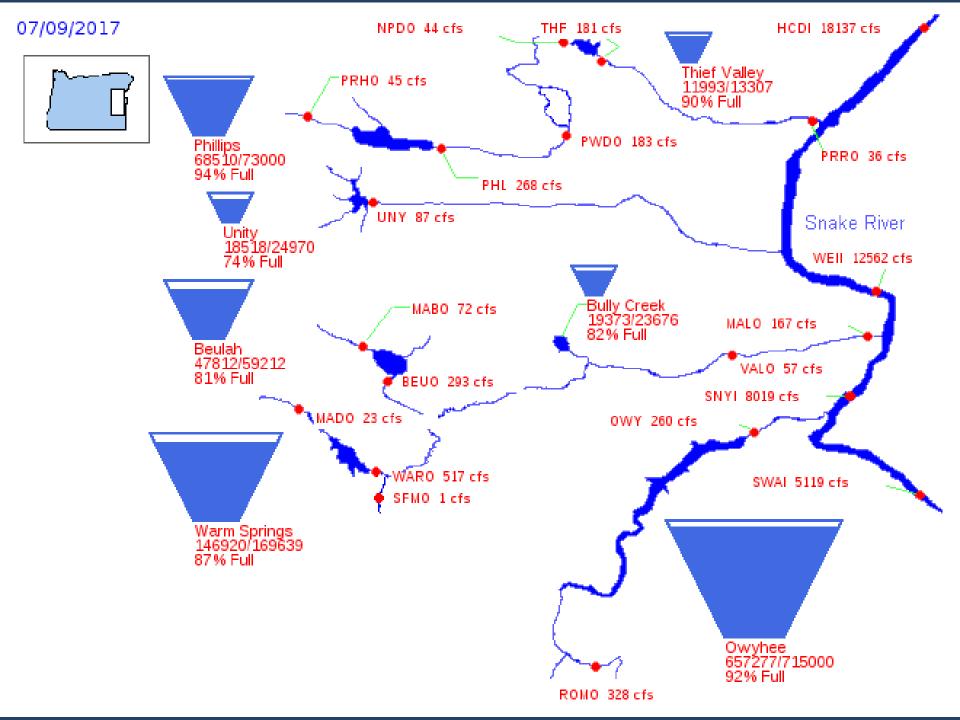


07/09/2017

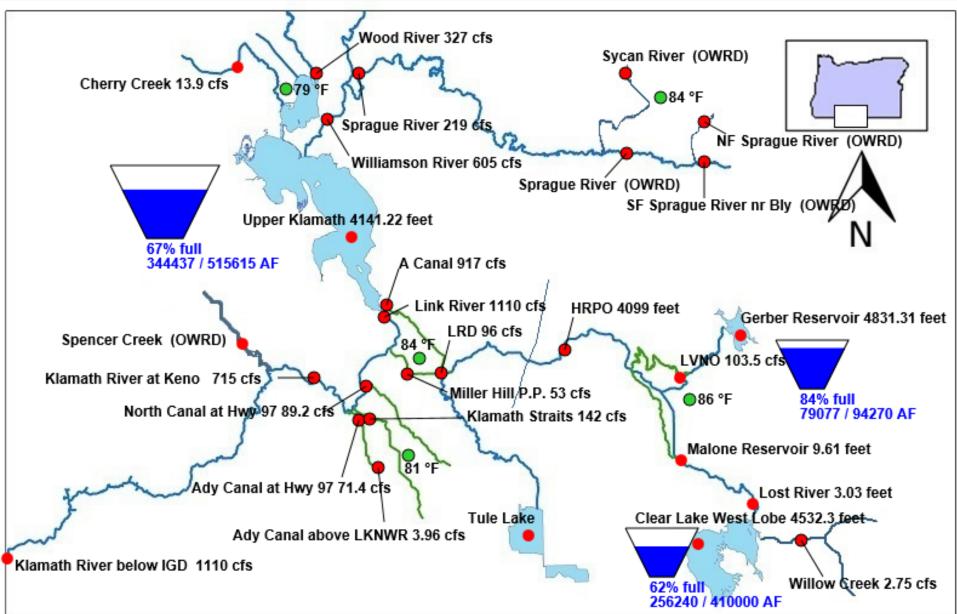


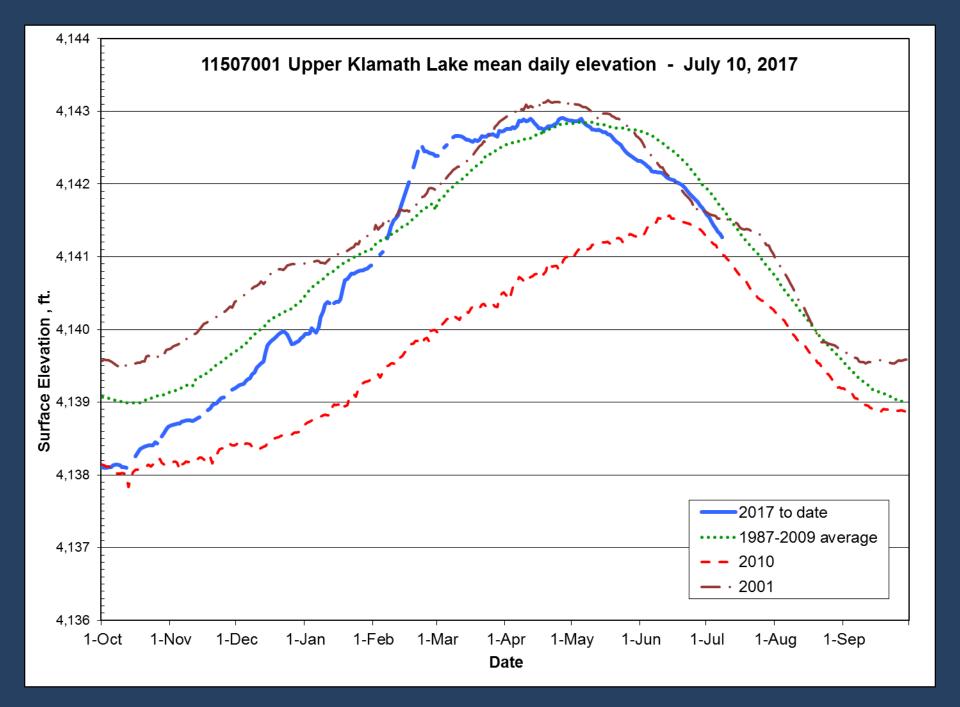






Mon Jul 10 2017 16:30:41 GMT-0700 (Pacific Daylight Time)





Thank You