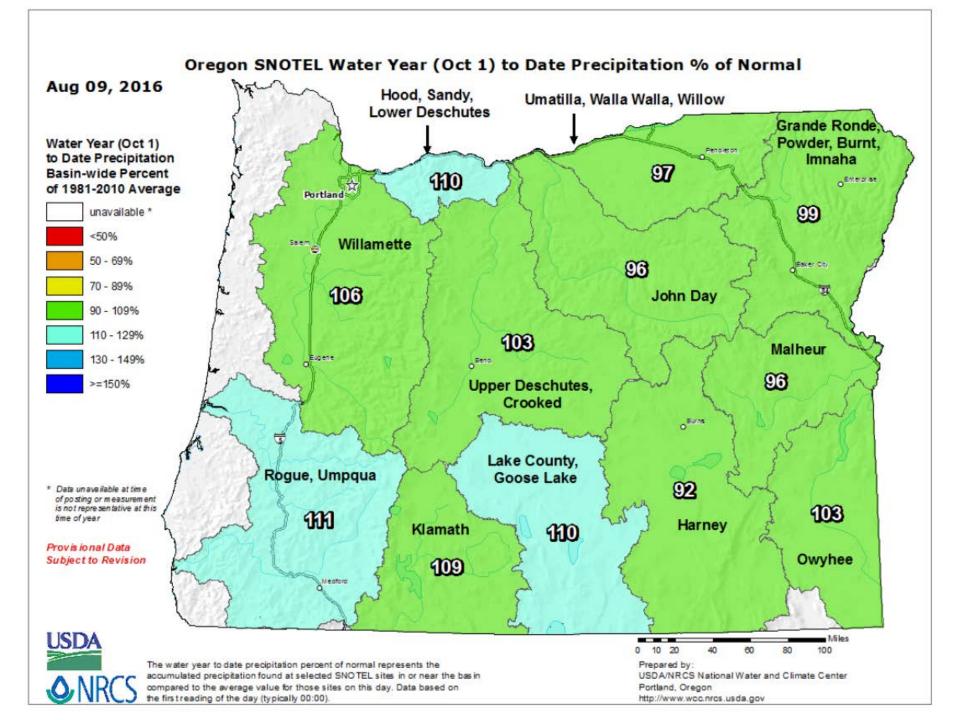
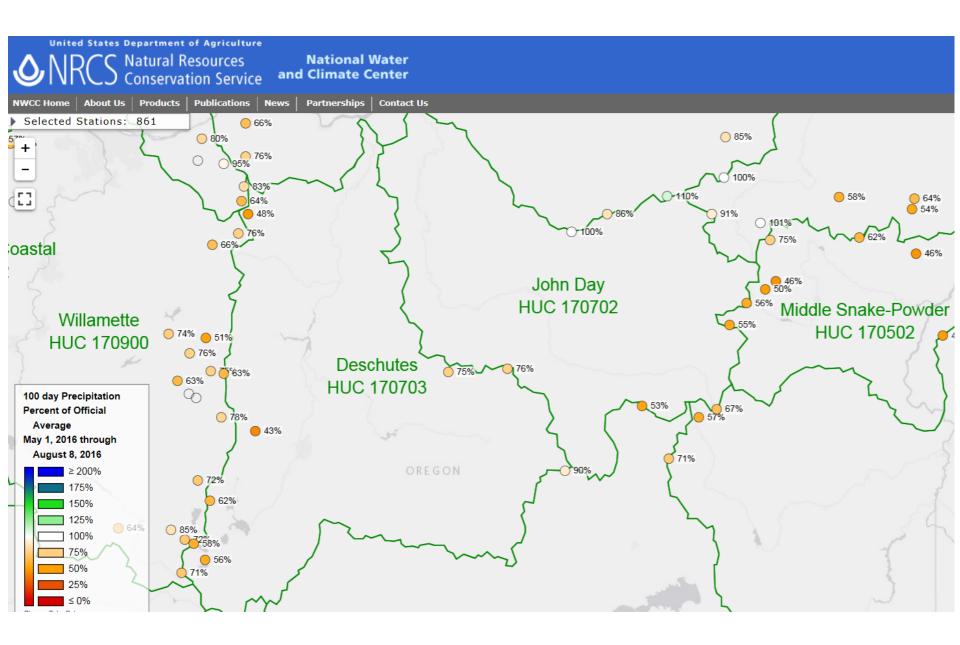
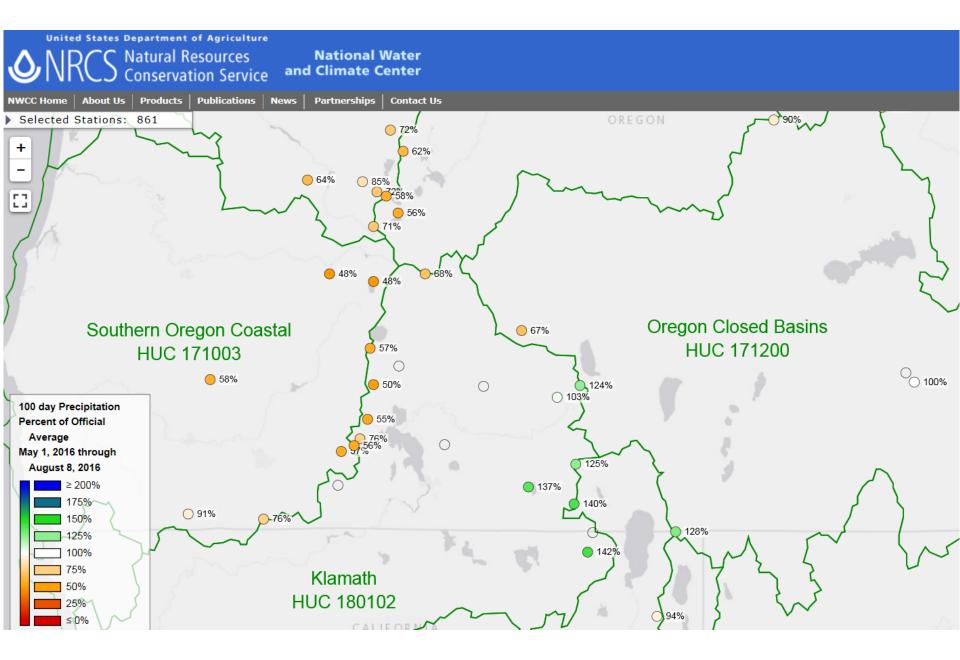
Oregon Water Supply Availability Committee

August 9, 2016

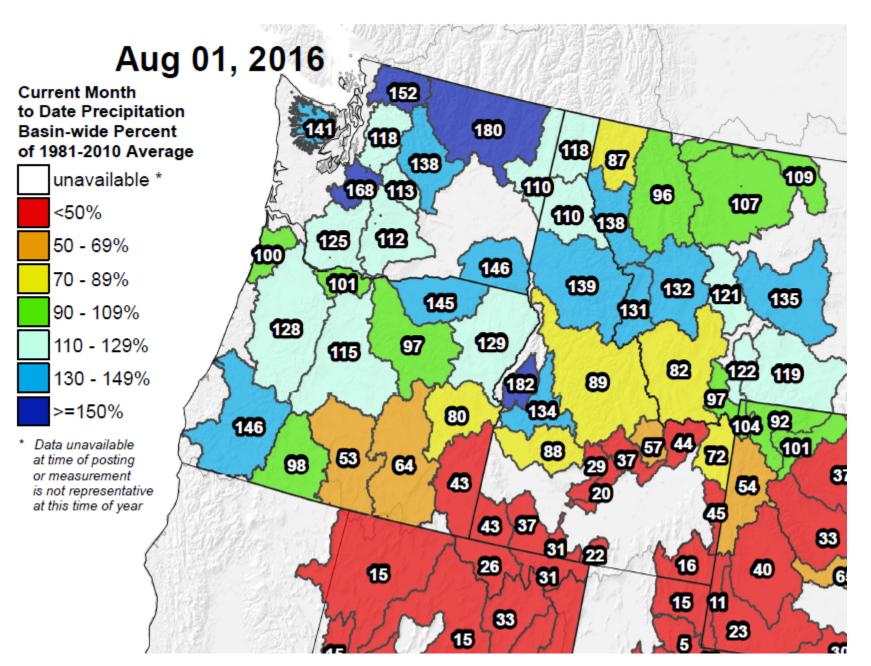
Melissa Webb Snow Survey Hydrologist USDA NRCS Snow Survey and Water Supply Forecasting Program 503-414-3270 http://www.nrcs.usda.gov/wps/portal/hrcs/main/or/snow/







Westwide SNOTEL Current Month to Date Precipitation



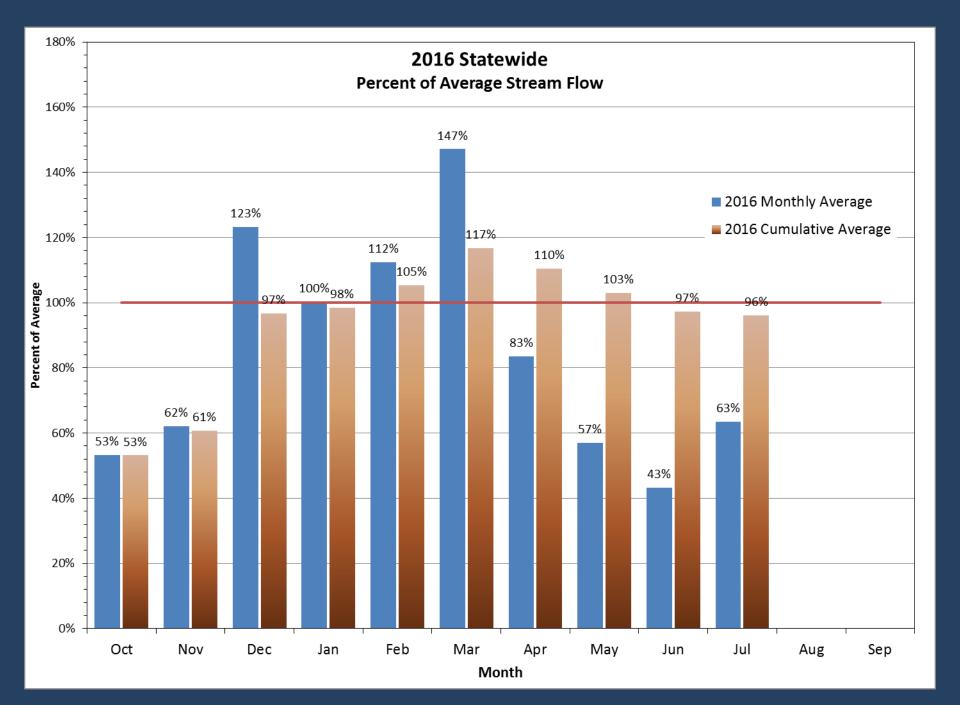
Thank you!

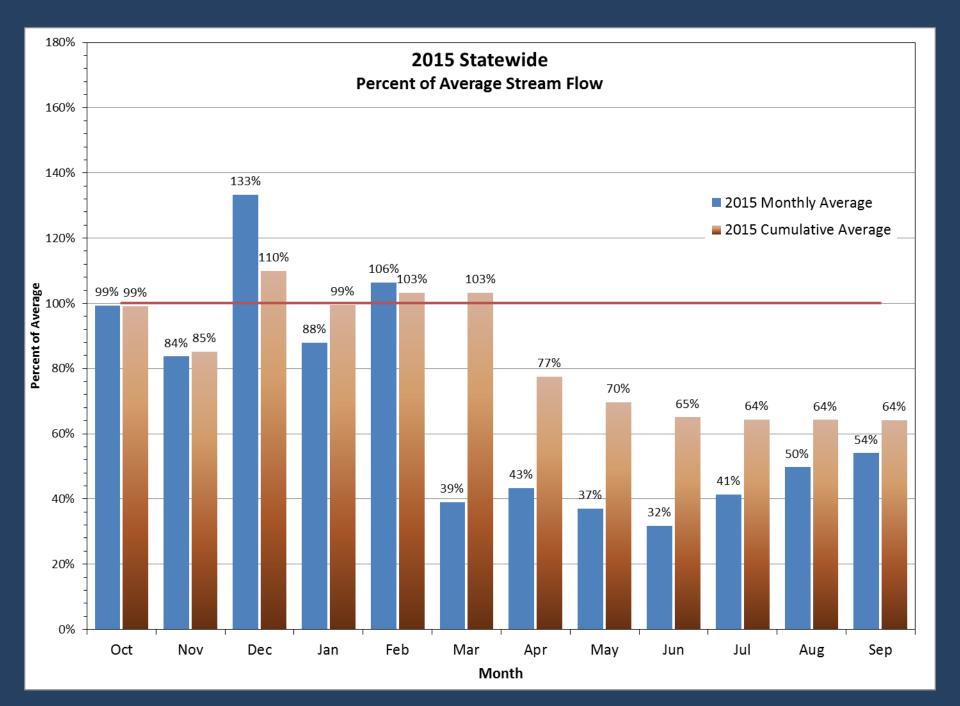
The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political 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).

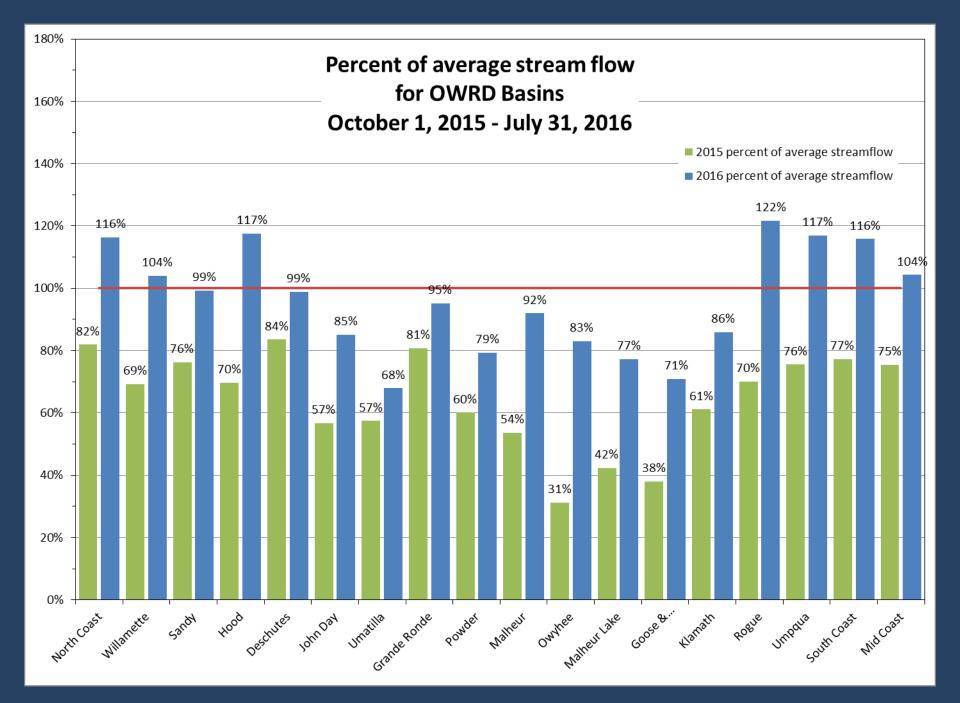
To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

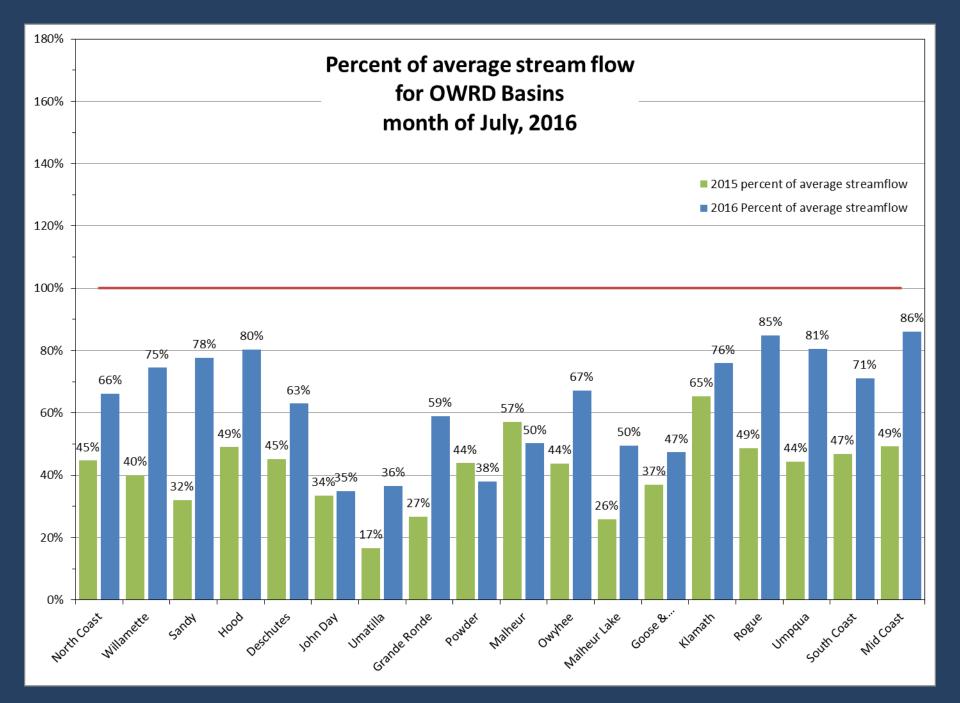
Surface Water Conditions Report Water Supply Availability Committee

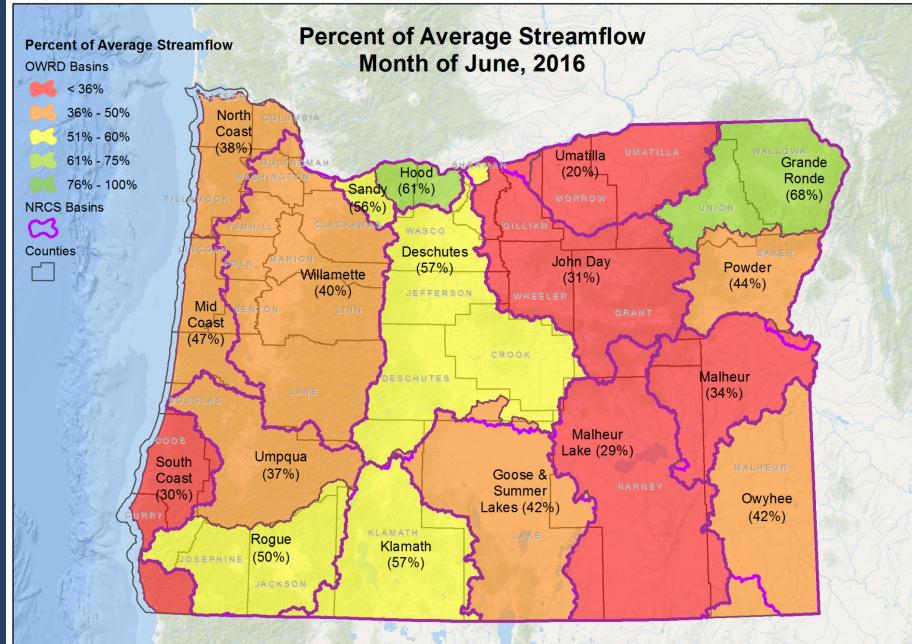
Ken Stahr Oregon Water Resources Department August 9, 2016



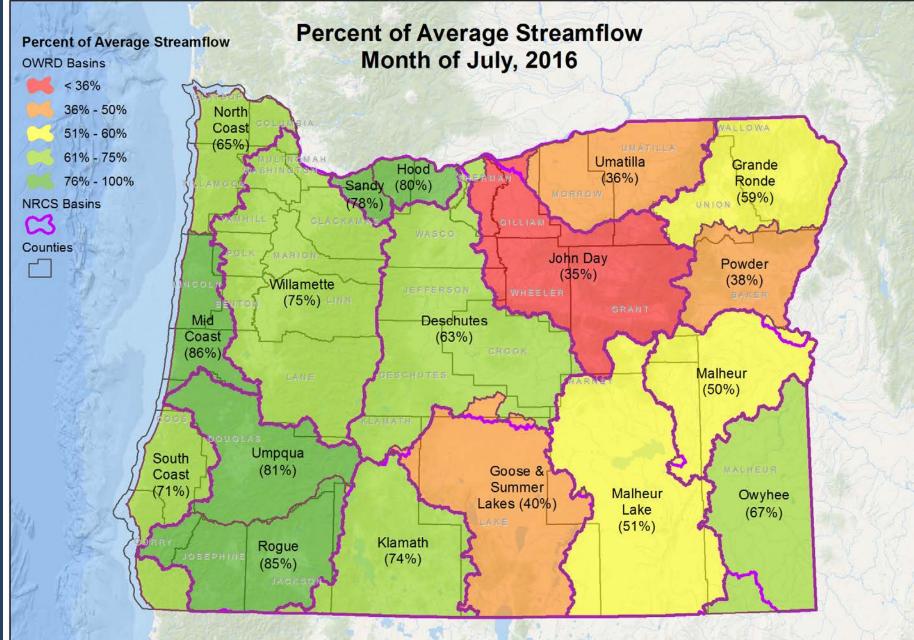








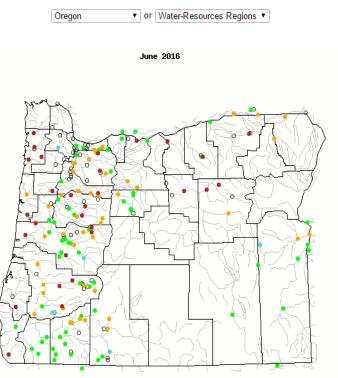
Average streamflow data are based on 30 years of record (1981-2010). All data represent free-flowing streams unaffected by significant man-made control structures such as dams or diversion works.



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.

Maps of 28-day average USGS streamflow compared to historical streamflow for the day of the year (Oregon). Screen Captures for June 2016 and July 2016

Map of monthly streamflow compared to historical streamflow for the month of the year (Oregon)

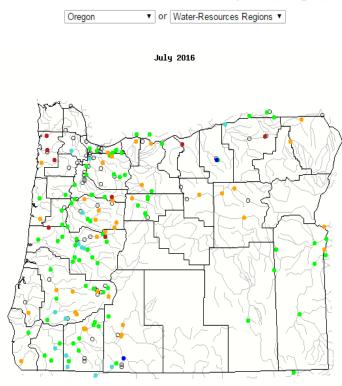


≊USGS

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

Explanation - Percentile classes								
•		•				•	0	
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked	
LOW	Much below normal	Below normal	Normal	Above normal	Much above normal			

Map of monthly streamflow compared to historical streamflow for the month of the year (Oregon)



≊USGS

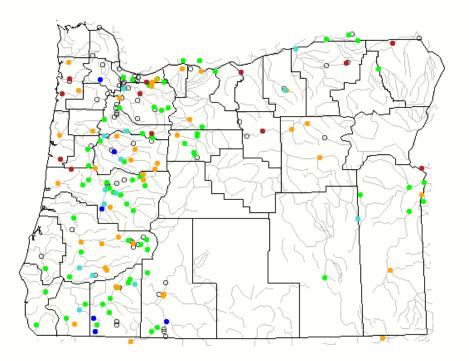
Choose a data retrieval option and select a location on the map List of all stations
 Single station
 Nearest stations
 Peak flow

	Explanation - Percentile classes								
	•		•				•	0	
Г	Low	<10	10-24	25-75	76-90	>90	High	Not-ranked	
	2010	Much below normal	Below normal	Normal	Above normal	Much above normal			

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

Sunday, August 07, 2016



≊USGS

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

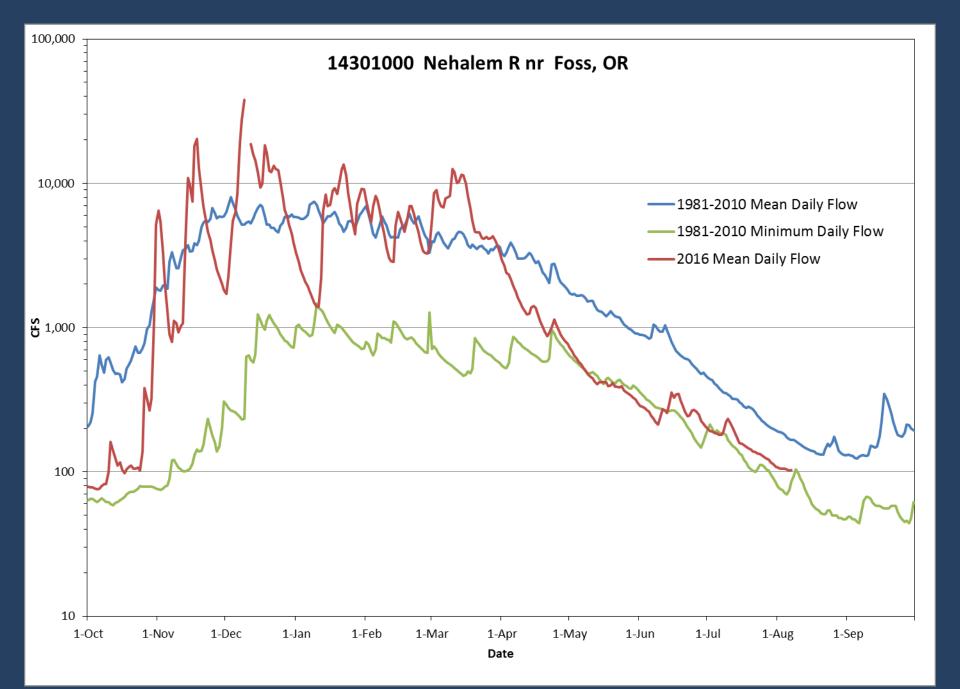
Explanation - Percentile classes								
•		•				•	0	
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked	
	Much below normal	Below normal	Normal	Above normal	Much above normal			

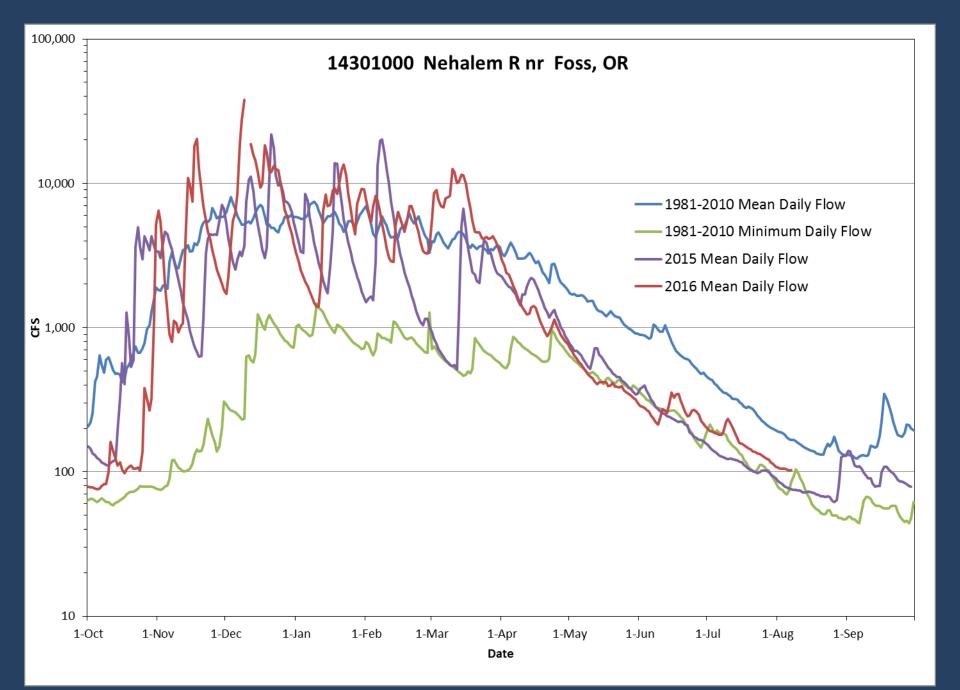
Map of 7-day average USGS streamflow

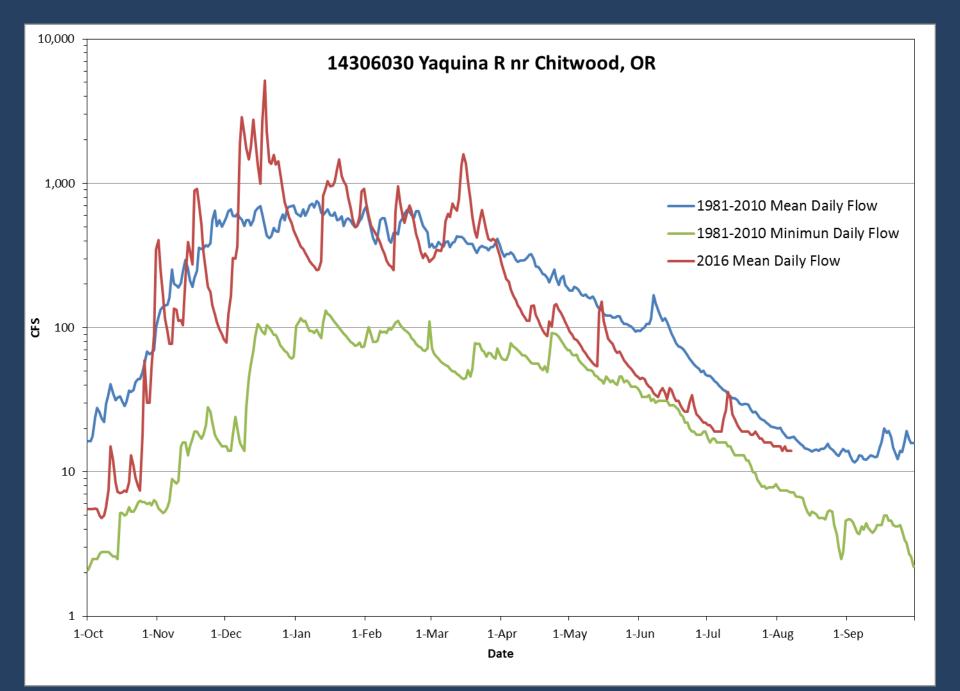
Compared to historical streamflow for the day of the year (08/07)

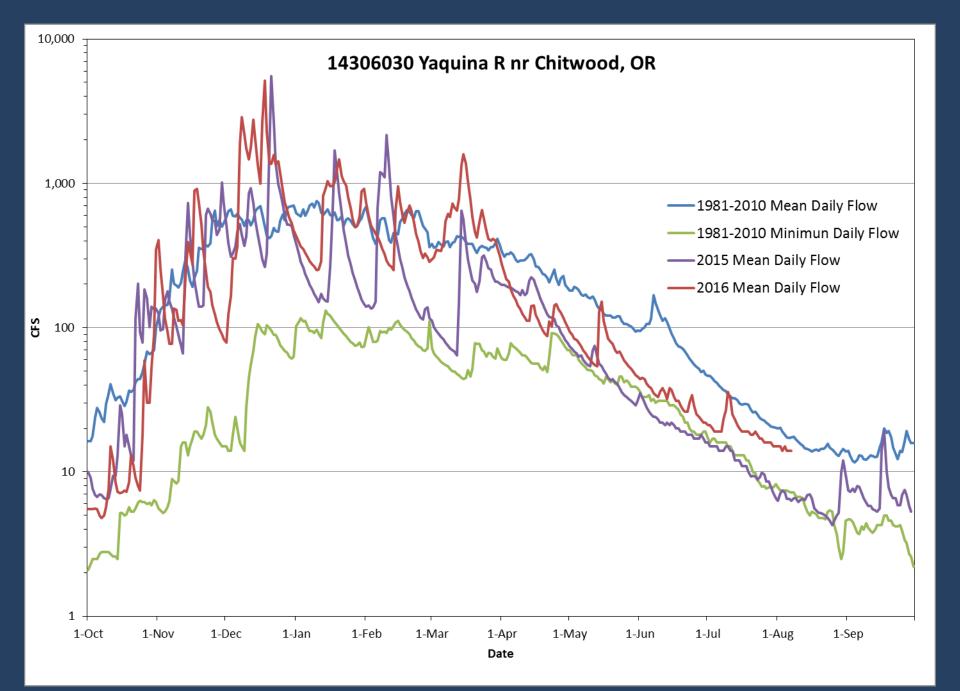
Basin/Areas with Stressed Streamflow Indicators

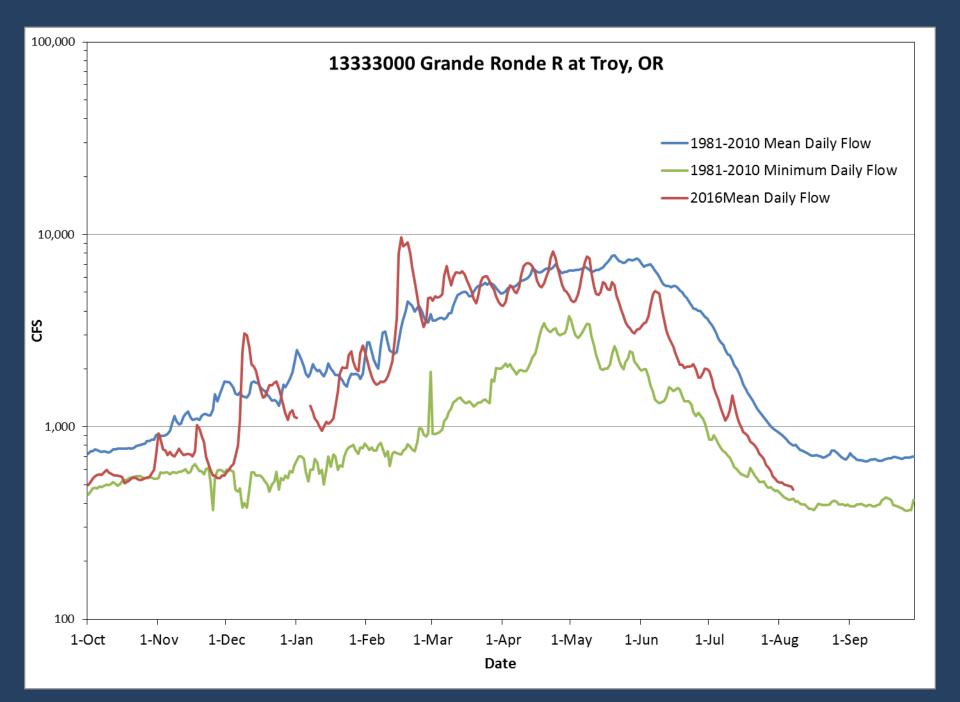
- Central and North Coast
- Grande Ronde
- Umatilla
- Upper John Day

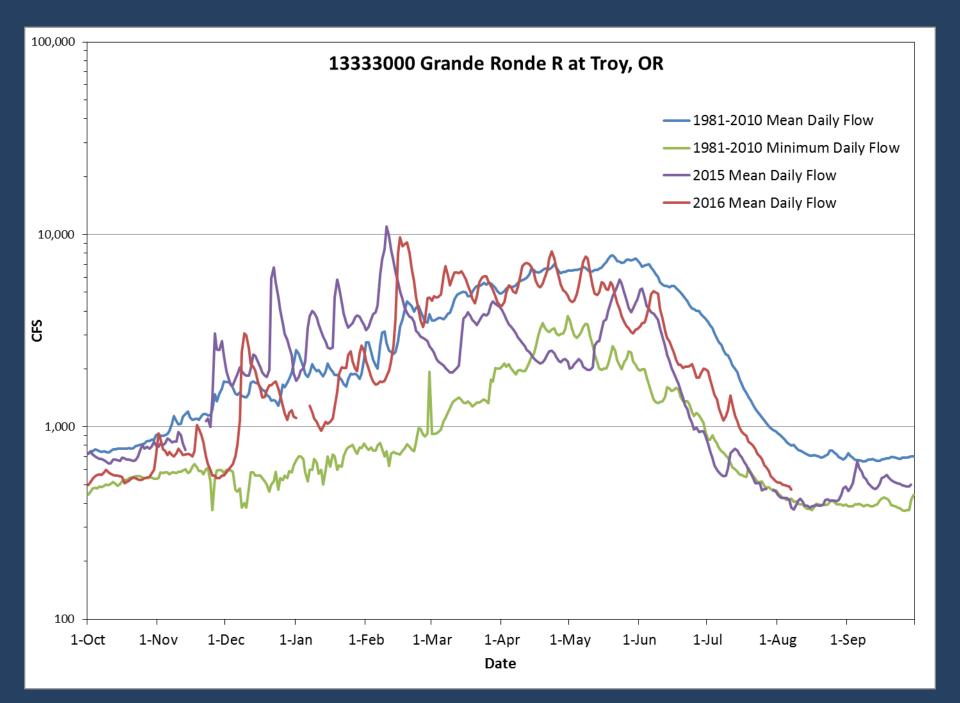


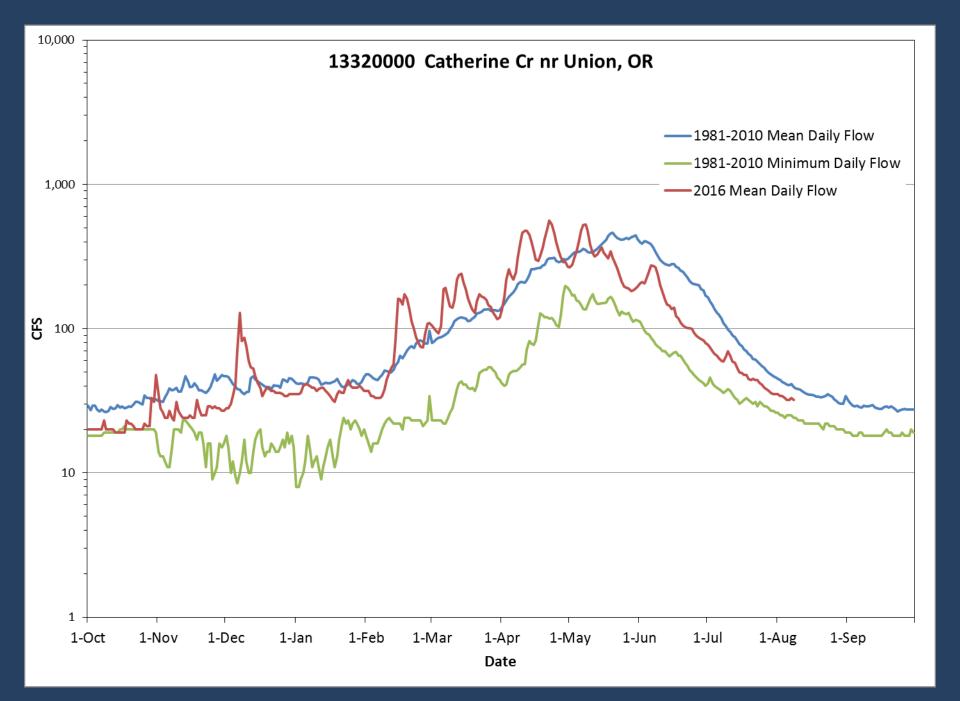


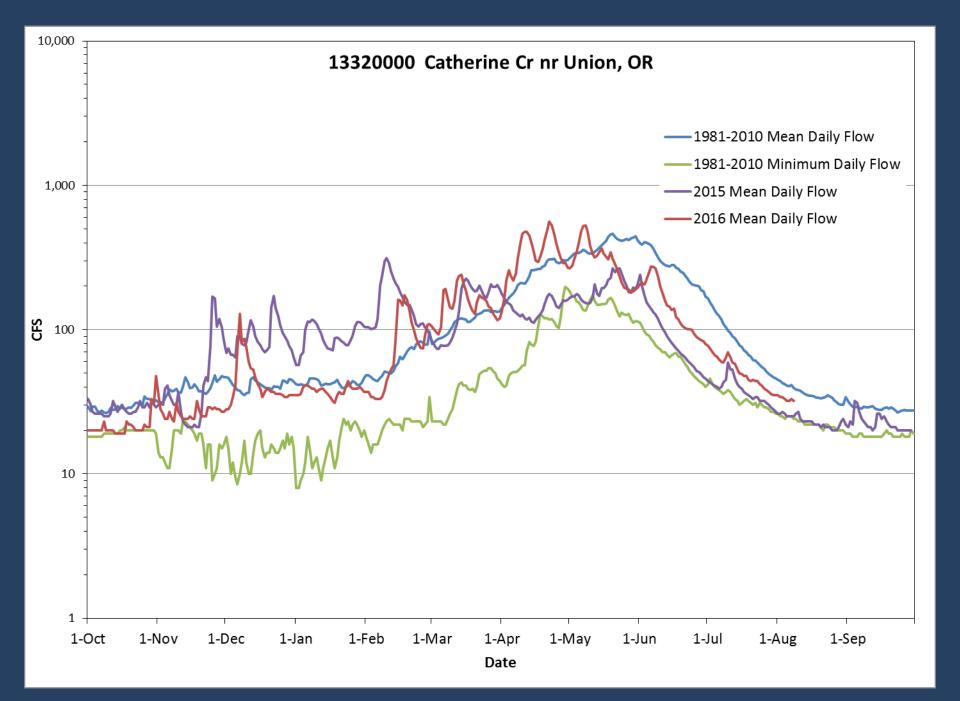


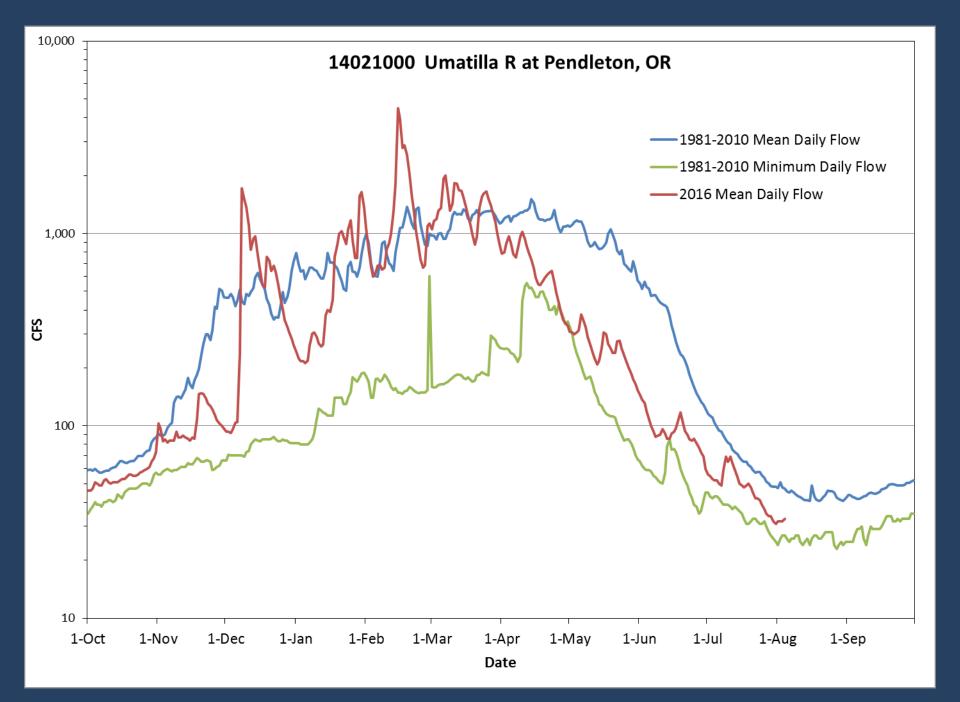


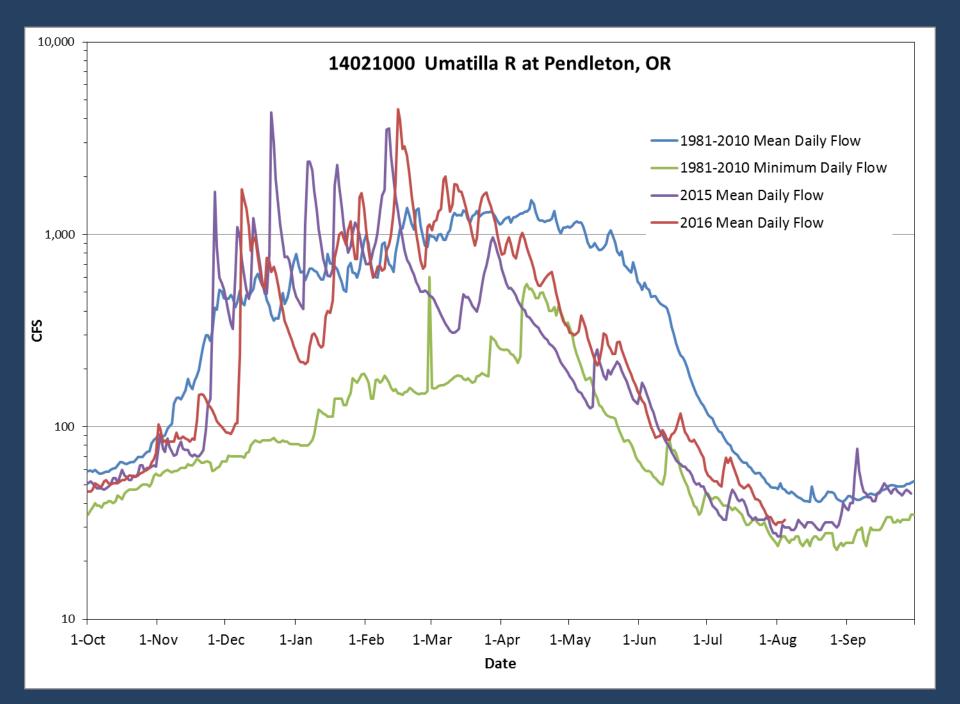


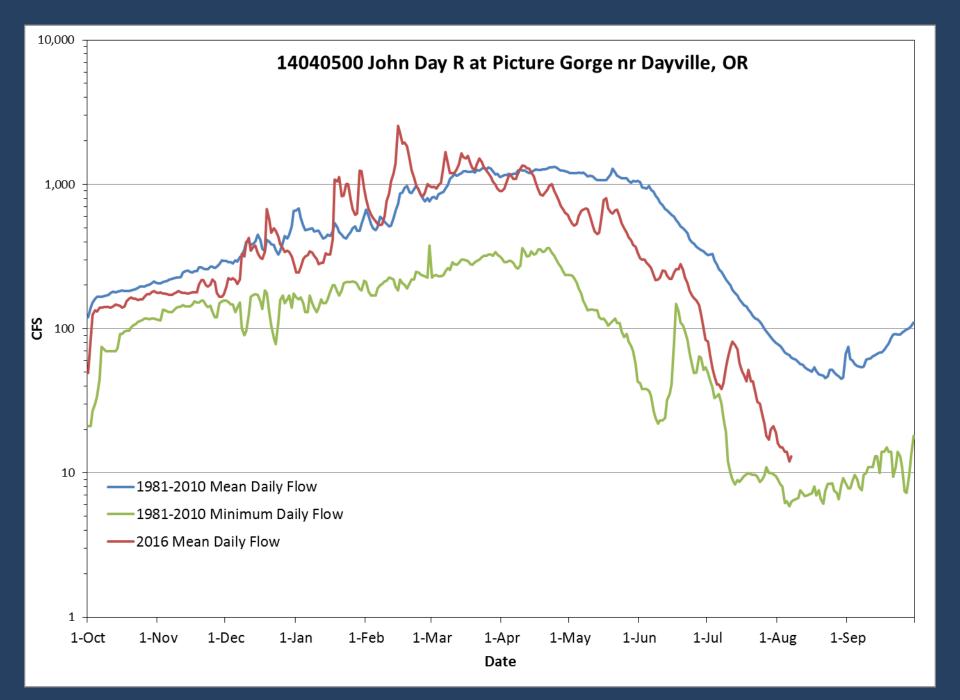


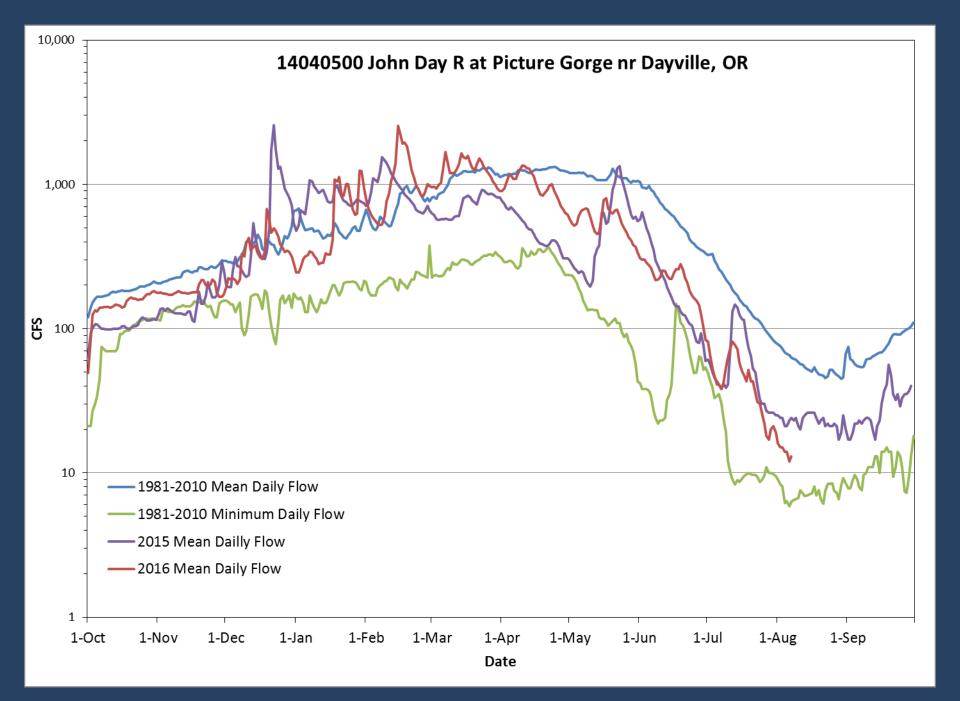


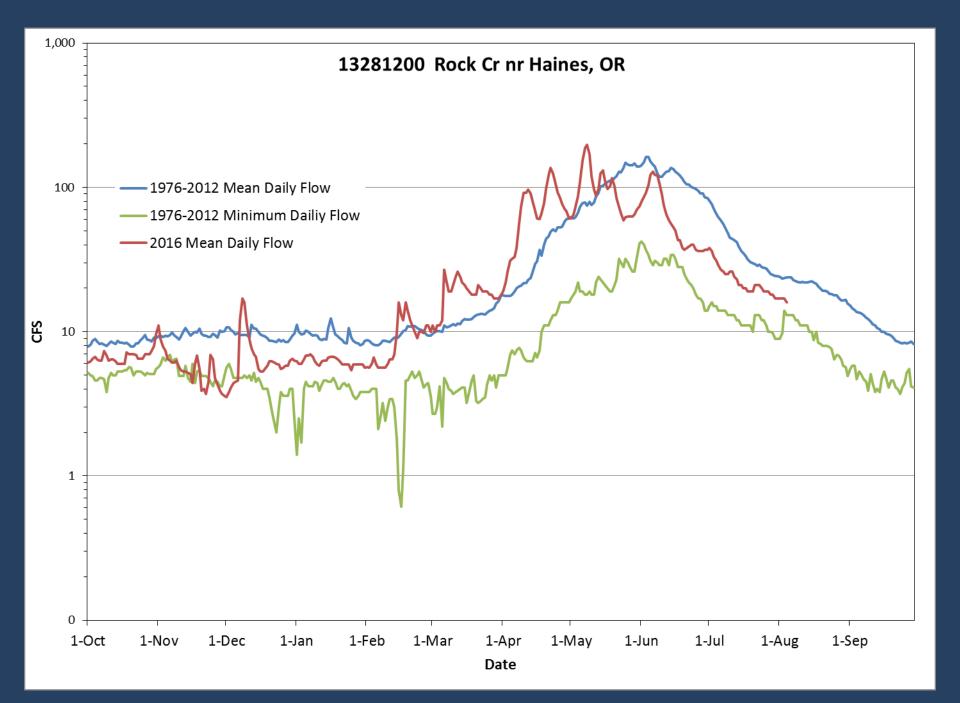


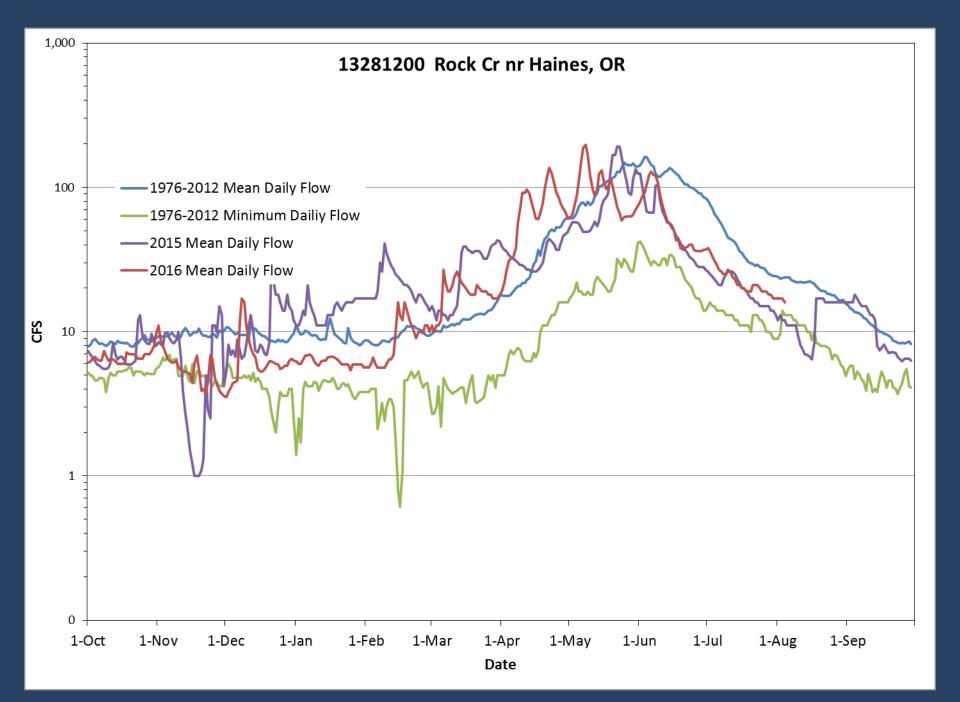


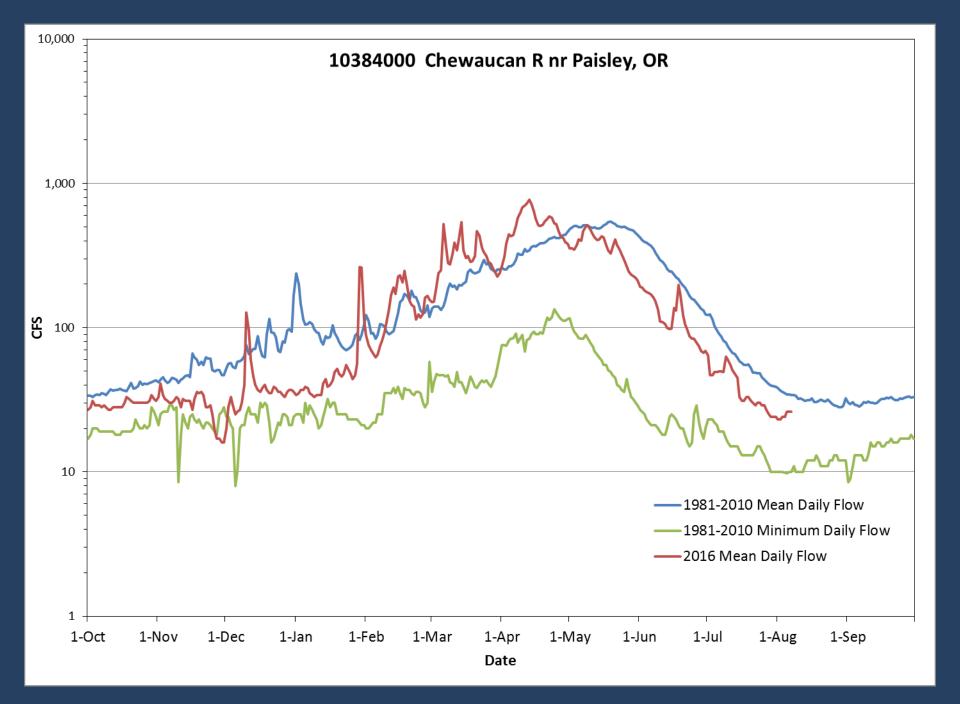


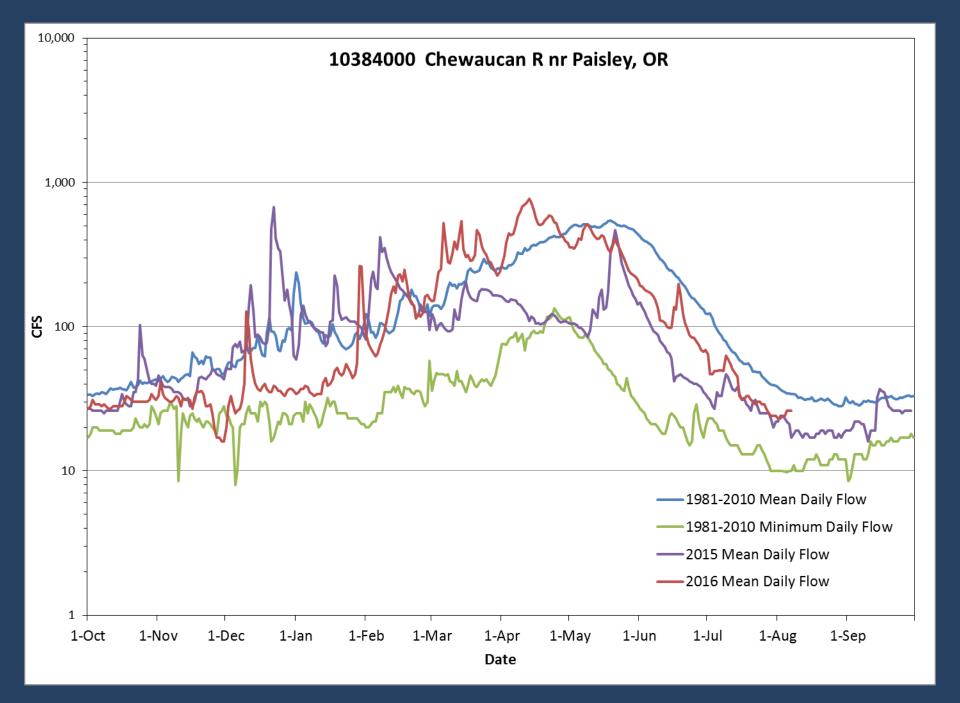


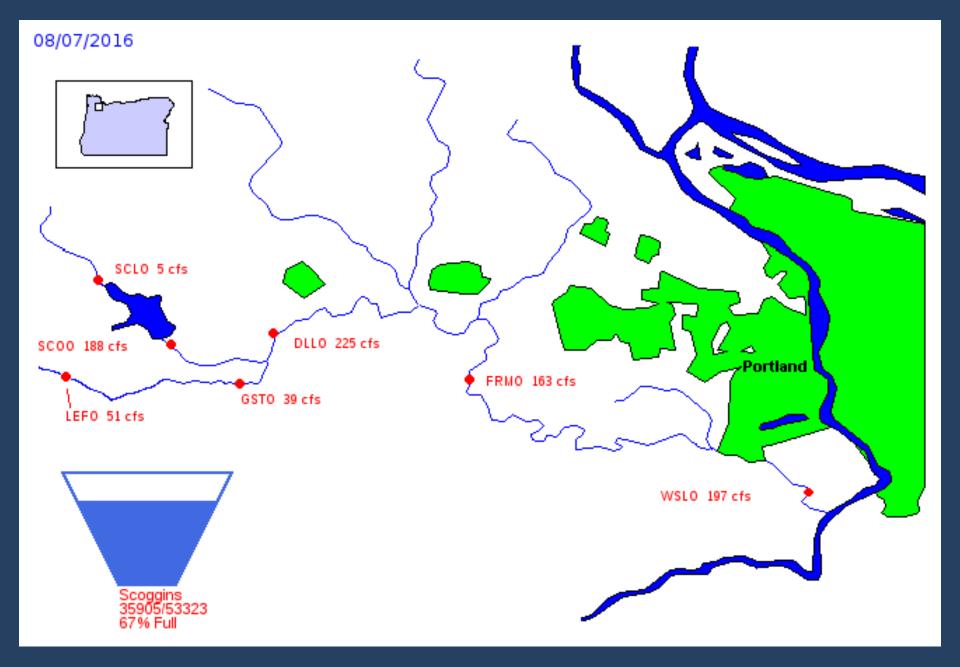


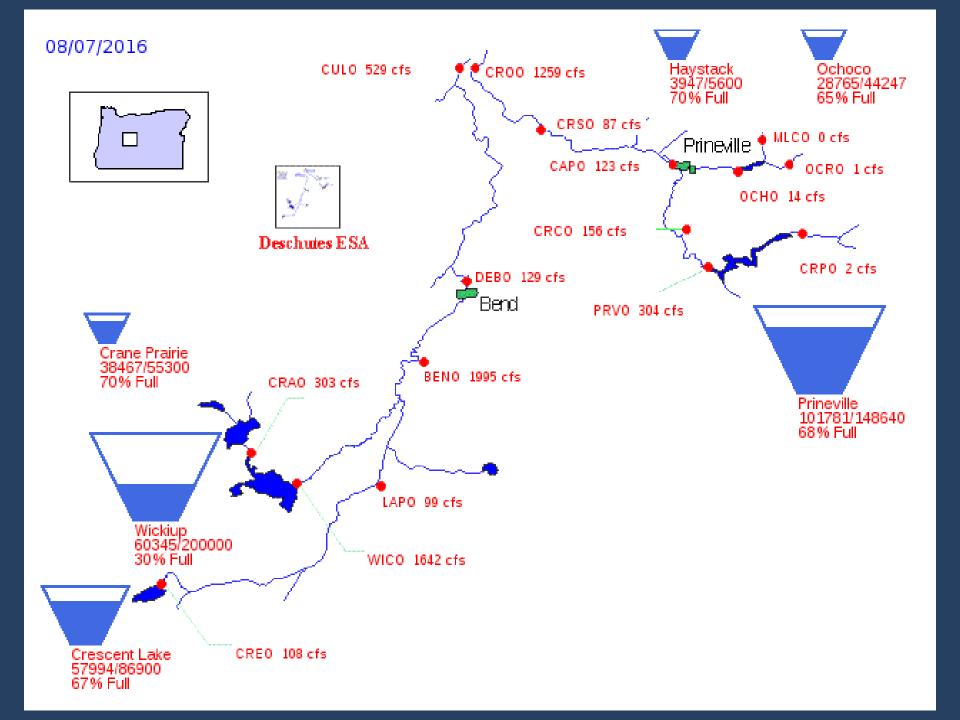




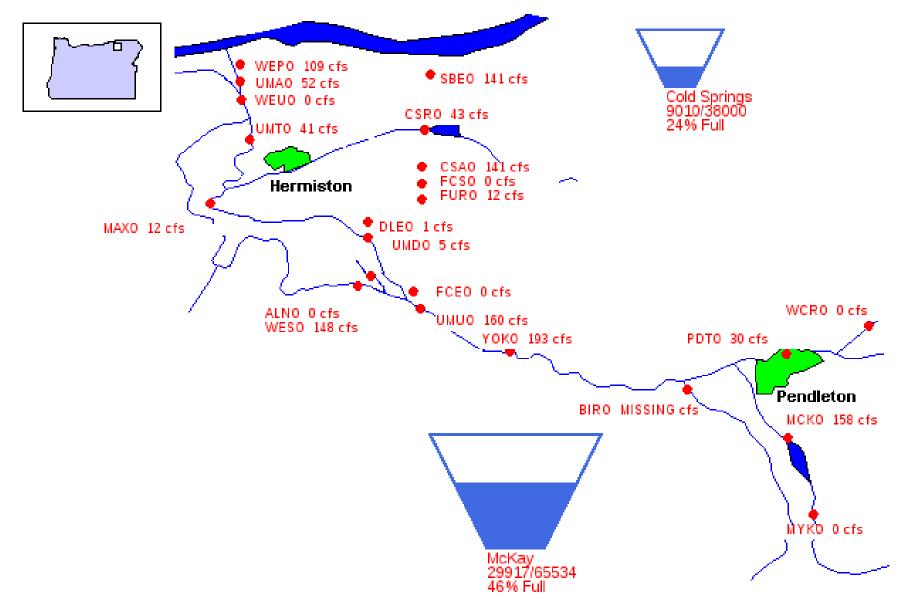




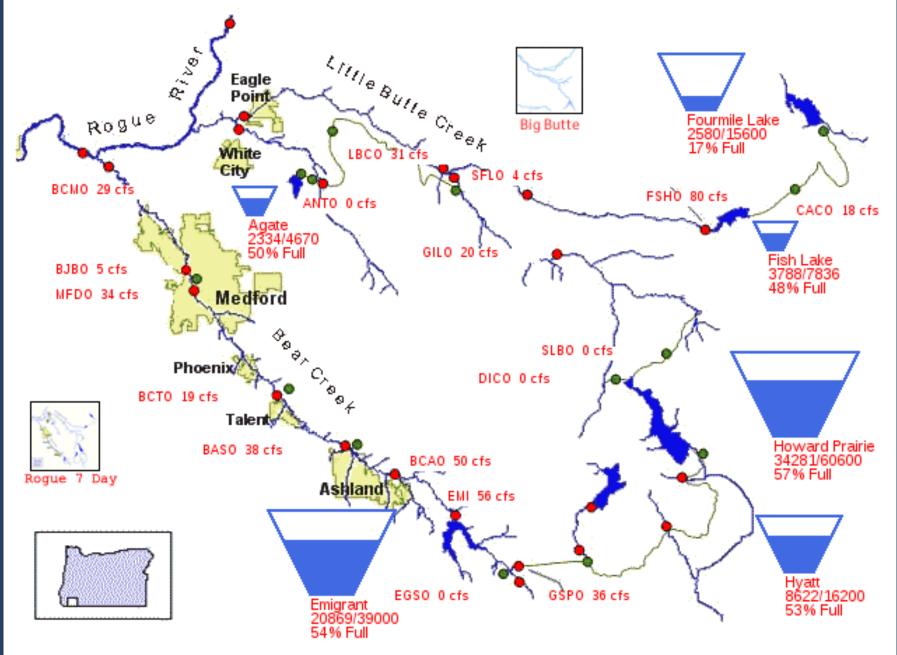


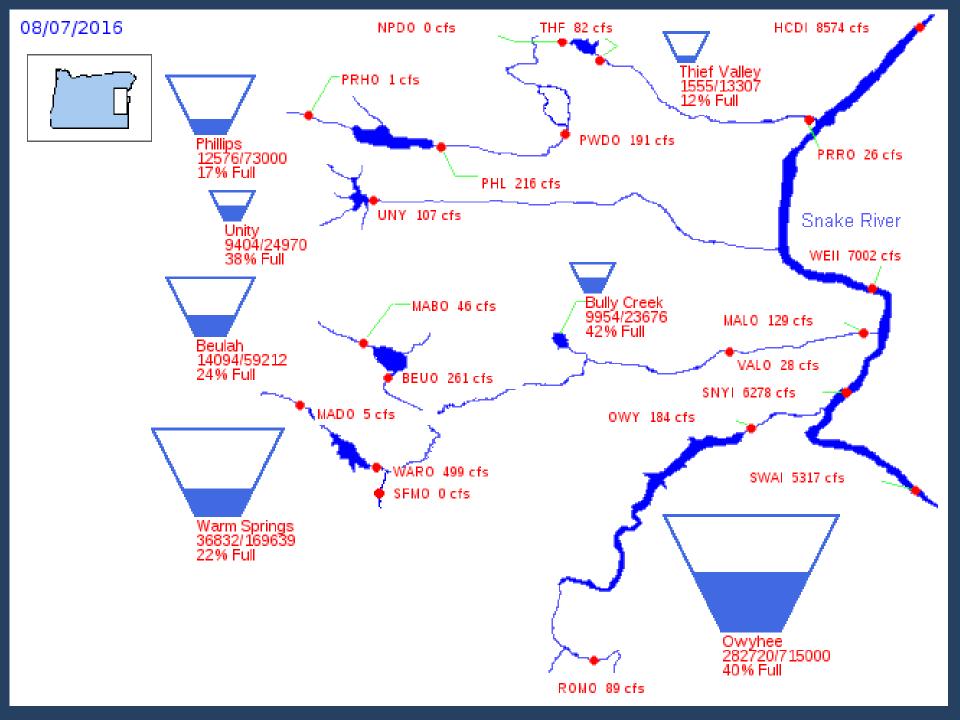


08/07/2016









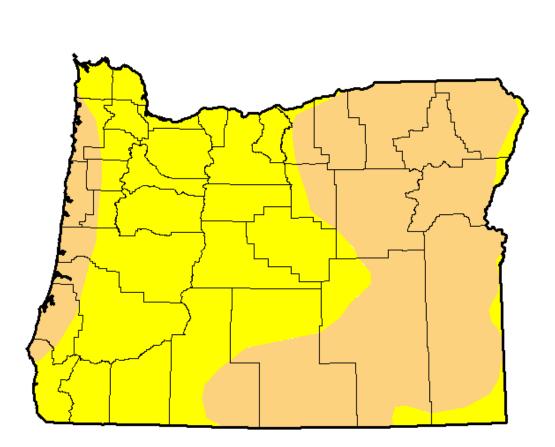
Thank You

U.S. Drought Monitor Oregon

August 2, 2016

(Released Thursday, Aug. 4, 2016) Valid 8 a.m. EDT

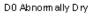
Drought Conditions (Percent Area)

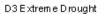


	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	49.75	0.00	0.00	0.00
Last Week 7/26/2016	0.00	100.00	49.75	0.00	0.00	0.00
3 Month s Ago 53/2016	34.27	65.73	26.12	1.00	0.00	0.00
Start of Calendar Year 12/29/2015	14.52	85.48	80.45	65.33	39.55	0.00
Start of Water Year 9/29/2015	0.00	100.00	100.00	100.00	67.29	0.00
One Year Ago 8/4/2015	0.00	100.00	100.00	100.00	48.31	0.00

Intensity:







D4 Exceptional Drought

D2 Severe Drought

D1 Moderate Drought

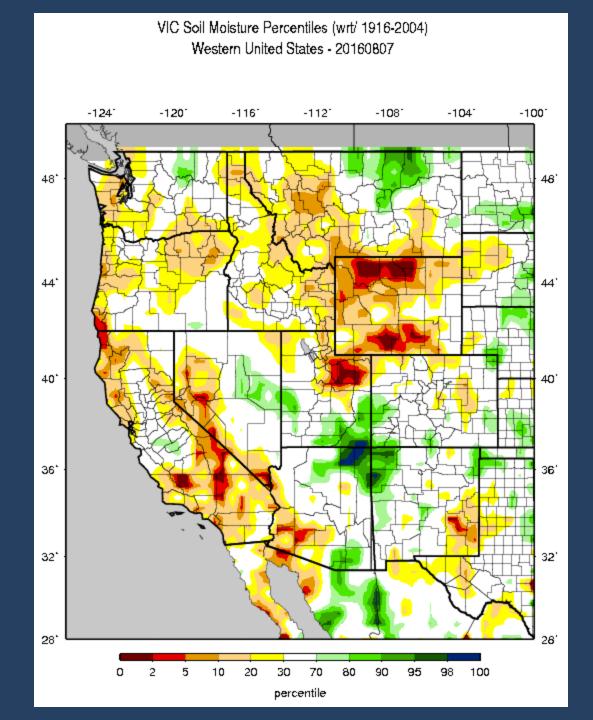
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

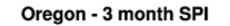
Richard Tinker CPC/NOAA/NWS/NCEP



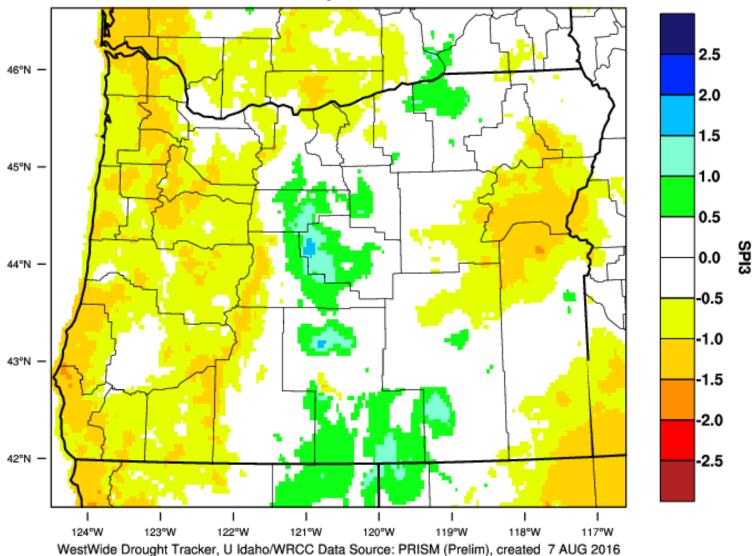
http://droughtmonitor.unl.edu/

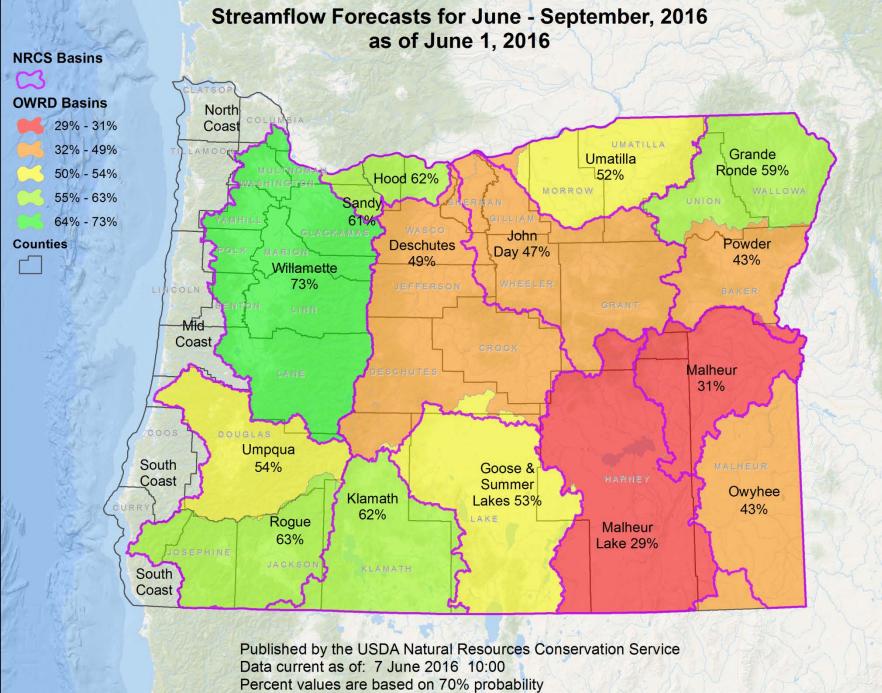


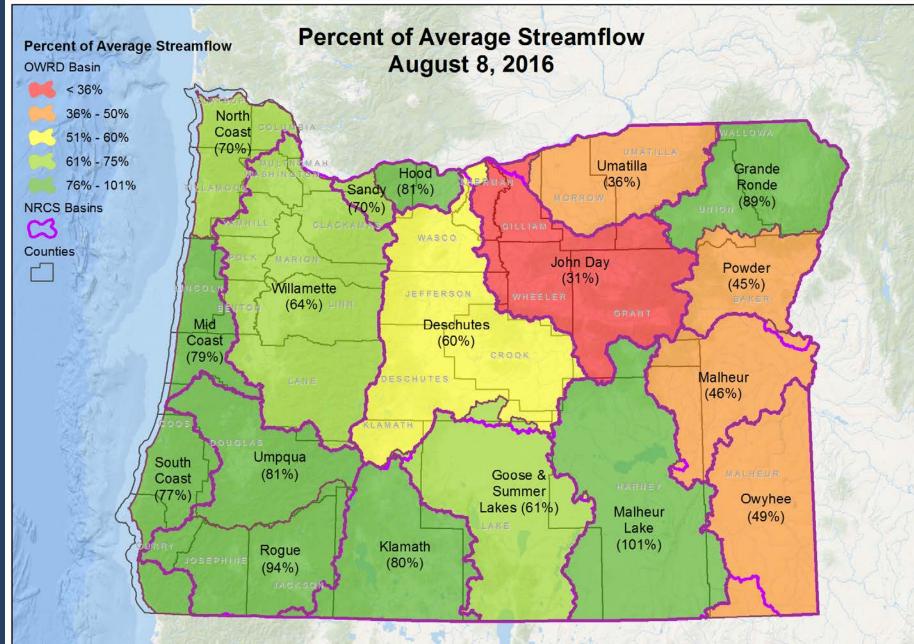
Current Product: PRISM > SPI 3 Month > Oregon











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.



Water Supply Availability Committee August 2016

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

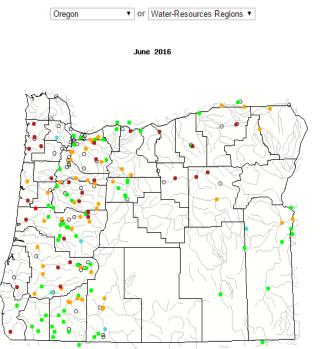
http://or.water.usgs.gov/sw_studies/index.html

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

U.S. Department of the Interior U.S. Geological Survey

Maps of 28-day average USGS streamflow compared to historical streamflow for the day of the year (Oregon). Screen Captures for June 2016 and July 2016

Map of monthly streamflow compared to historical streamflow for the month of the year (Oregon)

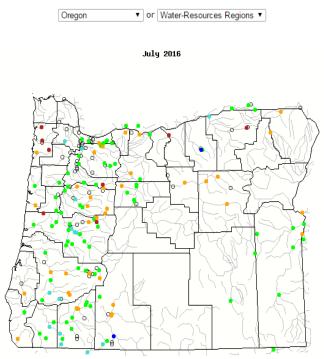


≊USGS

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

		Explar	nation - F	Percenti	ile classe	s	
		•				•	0
Low	<10	10-24	25-75	76-90	>90	Link	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal	High	Not-Taliked

Map of monthly streamflow compared to historical streamflow for the month of the year (Oregon)



≊USGS

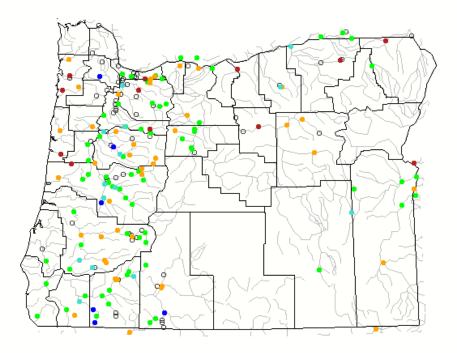
Choose a data retrieval option and select a location on the map List of all stations
Single station
Nearest stations
Peak flow

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

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

Sunday, August 07, 2016



≊USGS

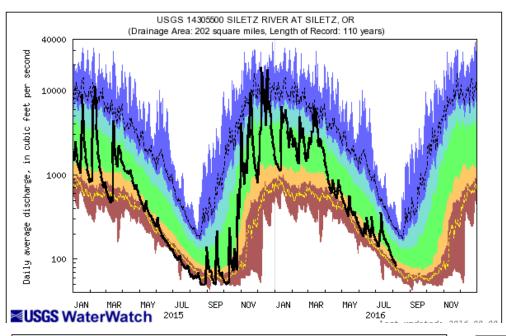
Choose a data retrieval option and select a location on the map O List of all stations
 Single station
 Nearest stations

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

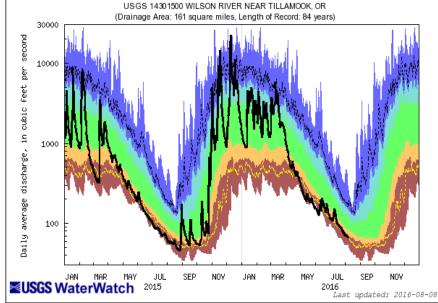
Map of 7-day average USGS streamflow compared to historical streamflow for the day of the year (08/07)

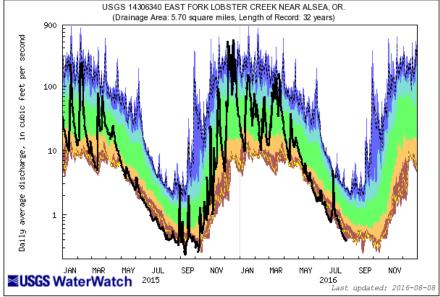
Basins/Areas with Stressed Streamflow Indicators

- Central and Upper Coast
- Grande Ronde.
- Umatilla
- Upper John Day
- *Lake and Deschutes Counties not part of USGS network



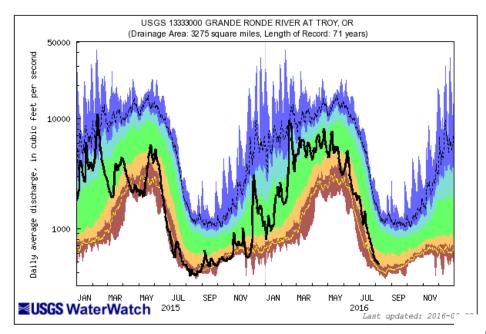
North Coast



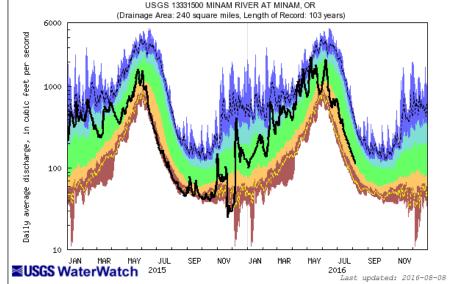


Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below normal	Normal	Above normal	Much a	bove normal	1104		

Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
		Doloss		A 8			11011		



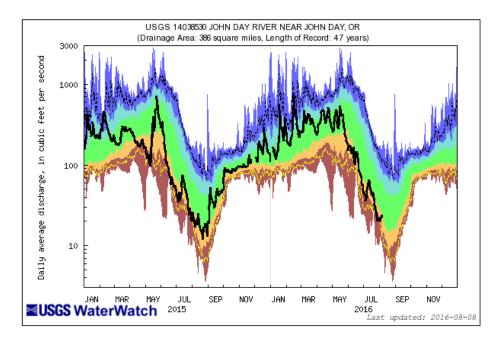
Grande Ronde



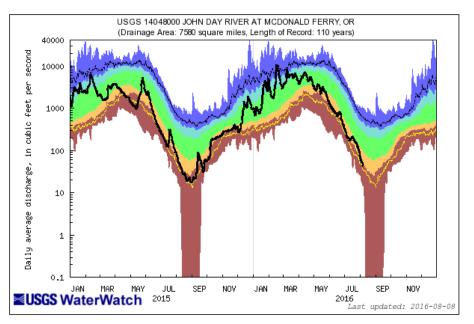
	E	xplana	tion - Pe	ercentile	classes	5	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below	Normal	Below normal	Normal	Above normal	Much a	bove normal	1101

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 a	bove normal	1104			





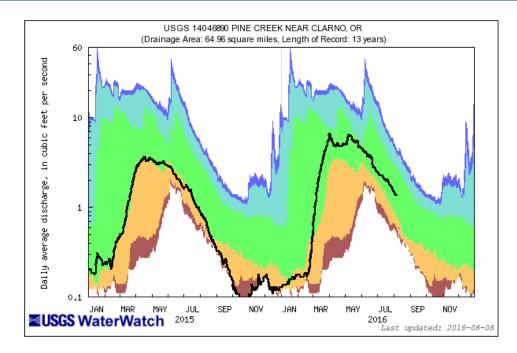
John Day



	E	xplana	tion - Pe	rcentile	classes	5	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
		Poloui		Abaura			1104

	E	xplana	tion - Pe	rcentile	classes	3	
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	1101

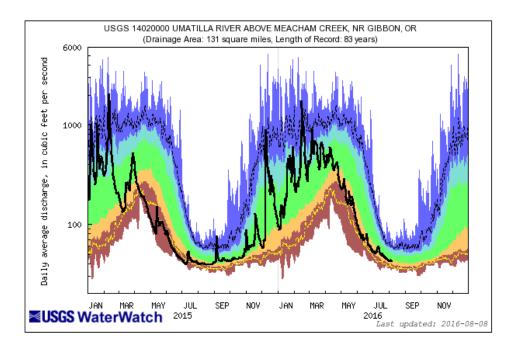




Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below normal	Normal	Above normal	Much a	bove normal	1104		

John Day

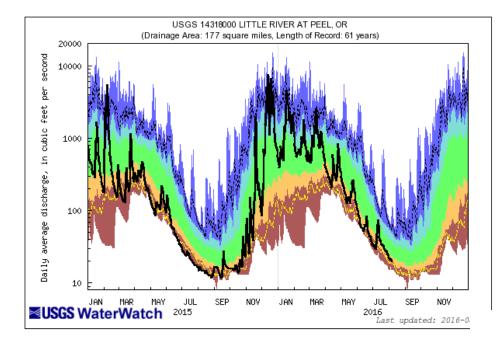




	E	xplana	tion - Pe	rcentile	classes	5	
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal B		Below normal	Normal	Above normal	Much above normal		1104

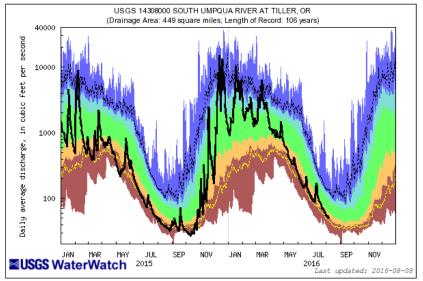
Umatilla





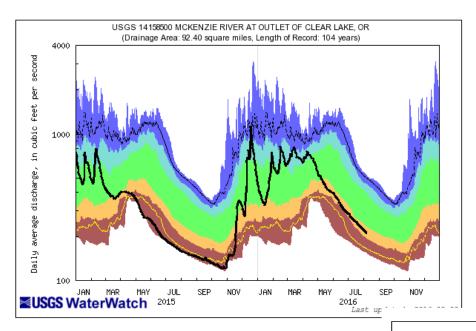
Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below normal	Normal	Above normal	Much above normal		1104		

Umpqua

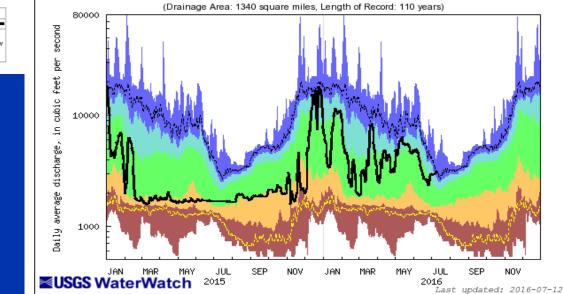


	Explanation - Percentile classes									
					_					
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow			
Much below Normal		Below, normal	Normal	Above normal	Much above normal		1104			





Upper Willamette



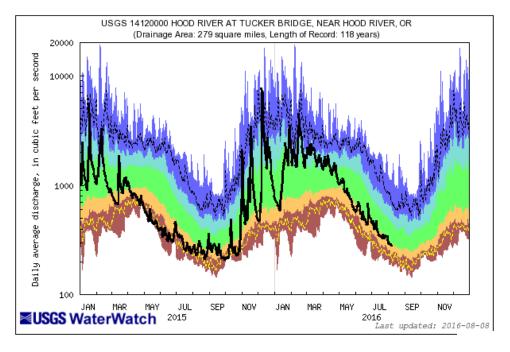
USGS 14152000 MIDDLE FORK WILLAMETTE RIVER AT JASPER, OR

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	1101		

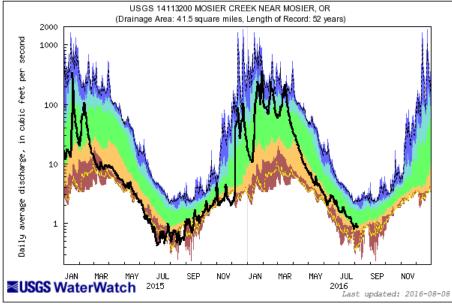
Explanation - Percentile classes									
							_		
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below	Normal	Above	Much a	bove normal	1101		



Hood River Area

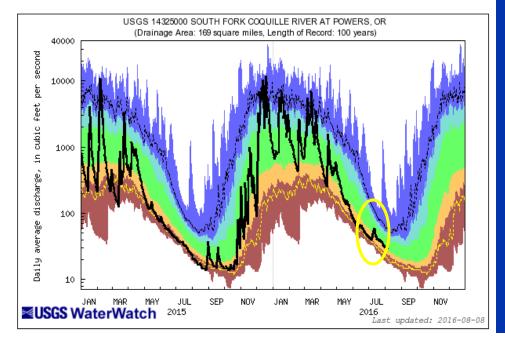


Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow		
Much below	Normal	Below normal	Normal	Above normal	Much above normal		1104		



	Explanation - Percentile classes									
							_			
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow			





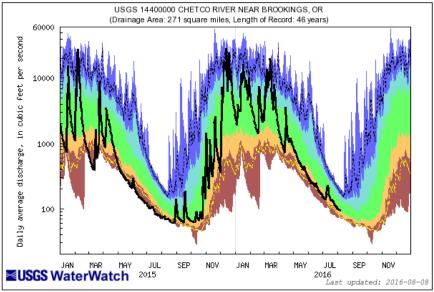
South Coast

	Explanation - Percentile classes									
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow			
	Polout - Aliana Pilow									

http://waterwatch.usgs.gov/

http://waterwatch.usgs.gov/in dex.php?id=wwchart_sitedur





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

Thank You

Provisional Data Statement

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

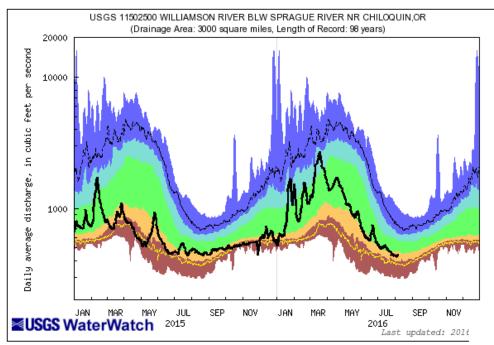
Real-time data relayed by satellite or other telemetry are automatically screened to not display improbable values until they can be verified.

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.

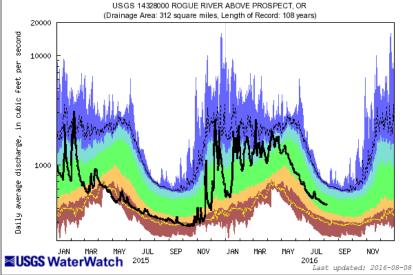
Information concerning the accuracy and appropriate uses of these data or concerning other hydrologic data may be obtained from the USGS





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				

Klamath and Rogue



	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						



Beulah (by: OWRD)467676Grand Ronde River at Troy555433Umatilla River near Gibbon408569John Day, Service Creek292928Upper John DayLittle Deschutes River543678Upper Deschutes										
French Glen595638Deep Creek above Adel (by: oVR0)503524Lake CountyChewaucan River near Paisley (by: oVR0)495947Lake CountyWilliamson River near Chiloquin668989Owyhee River near Rome NF Malheur River near Beulah (by: ovR0)416545Orand Ronde River at Troy Umatilla River near Gibbon555433John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: ovR0)687761Wilson near Tillamook Umapua River near Elkton S2528665Rogue River near Agness S93938972SF Coquille River at Powers Chetco River near306837		June-16	July-16	July-15	NRCS SWSI BASIN					
(b)(c		59	56	38						
Paisley (by: owRD)495947Lake CountyWilliamson River near Chiloquin668989Owyhee River near Rome Beulah (by: ovRD)416545NF Malheur River near Beulah (by: ovRD)467676Grand Ronde River at Troy Umatilla River near Gibbon555433John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: ovRD)687761Hood River near Hood River Wilson near Tillamook689175Wilson near Tillamook Cogue River near Agness938972SF Coquille River at Powers Conto River near306837		50	35	24	Lake County					
Chiloquin668989Owyhee River near Rome416545NF Malheur River near467676Beulah (by: owR0)555433Grand Ronde River at Troy555433Umatilla River near Gibbon408569John Day, Service Creek292928Little Deschutes River near La Pine (by: owR0)687761Hood River near Hood River Willamette River at Salem689175Wilson near Tillamook396544Umpqua River near Agness S F Coquille River at Powers Chetco River near306837	Paisley (by: OWRD)	49	59	47	Lake County					
NF Malheur River near Beulah (by: OVRD)467676Grand Ronde River at Troy Umatilla River near Gibbon555433John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: OVRD)543678Upper DeschutesHood River near Hood River Willamette River at Salem Umpqua River near Elkton Rogue River near Agness687761SF Coquille River at Powers Chetco River near5286653069647237		66	89	89						
Beulah (by: OWRD)467676Grand Ronde River at Troy555433Umatilla River near Gibbon408569John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: OWRD)543678Upper DeschutesHood River near Hood River Willamette River at Salem68776161Willamette River at Salem68917544Umpqua River near Elkton Rogue River near Agness538972SF Coquille River at Powers Chetco River near306837	Owyhee River near Rome	41	65	45						
Umatilla River near Gibbon408569John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: owro)543678Upper DeschutesHood River near Hood River Willamette River at Salem Wilson near Tillamook Umpqua River near Agness SF Coquille River at Powers Chetco River near687761SF Coquille River at Powers Chetco River near306837306837	NF Malheur River near Beulah (by: OVRD)	46	76	76						
John Day, Service Creek292928Upper John DayLittle Deschutes River near La Pine (by: over)543678Upper DeschutesHood River near Hood River Willamette River at Salem Wilson near Tillamook 	Grand Ronde River at Troy	55	54	33						
Little Deschutes River near La Pine (by: ovrop)543678Upper DeschutesHood River near Hood River Willamette River at Salem687761Wilson near Tillamook Umpqua River near Elkton Rogue River near Agness SF Coquille River at Powers Chetco River near938972306837	Umatilla River near Gibbon	40	85	69						
near La Pine (by: over)543678Upper DeschutesHood River near Hood River687761Willamette River at Salem689175Wilson near Tillamook396544Umpqua River near Elkton528665Rogue River near Agness938972SF Coquille River at Powers306964Chetco River near306837	John Day, Service Creek	29	29	28	Upper John Day					
Willamette River at Salem689175Wilson near Tillamook396544Umpqua River near Elkton528665Rogue River near Agness938972SF Coquille River at Powers306964Chetco River near306837	Little Deschutes River near La Pine (by: OVRD)	54	36	78	Upper Deschutes					
Wilson near Tillamook396544Umpqua River near Elkton528665Rogue River near Agness938972SF Coquille River at Powers306964Chetco River near306837	Hood River near Hood River	68	77	61						
Umpqua River near Elkton528665Rogue River near Agness938972SF Coquille River at Powers306964Chetco River near306837	Willamette River at Salem	68	91	75						
Rogue River near Agness938972SF Coquille River at Powers306964Chetco River near306837		39	65	44						
SF Coquille River at Powers306964Chetco River near306837										
Chetco River near 30 68 37	<u> </u>									
30 68 37		30	69	64						
		30	68	37						

Full Water Availability Report linked below

http://or.water.u sgs.gov/data_di r/war_dir/war16 04.html

