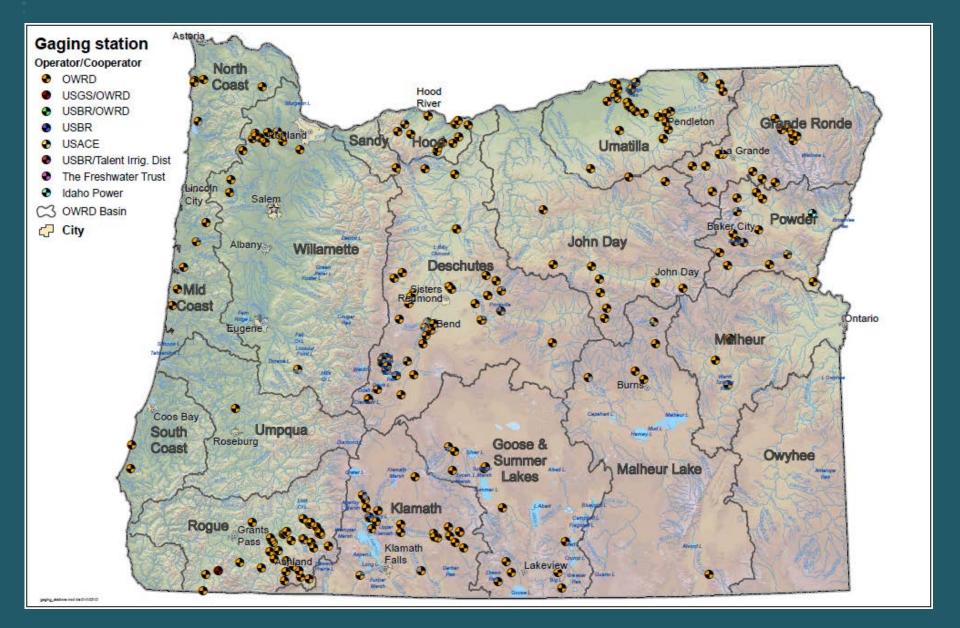
Update on Climate & Drought Conditions

Water Resources Commission Meeting Special Panel Presentation June 18, 2015

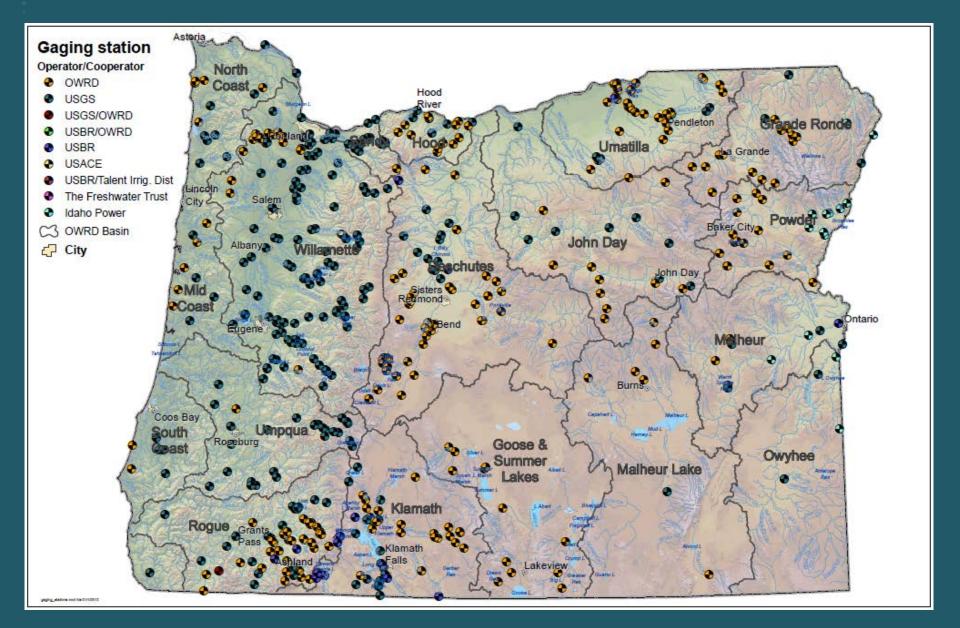
During this Agenda Item

- Ken Stahr surface water supply conditions Water Resources Department
- Scott Oviatt water supply forecasting Snow Survey Program, Natural Resources Conservation Service
- Andy Bryant conditions and outlooks NOAA's National Weather Service
- David Rupp climate change Oregon Climate Change Research Institute
- Keith Mills state drought declarations Water Resources Department

Active OWRD Surface Water Gaging Stations



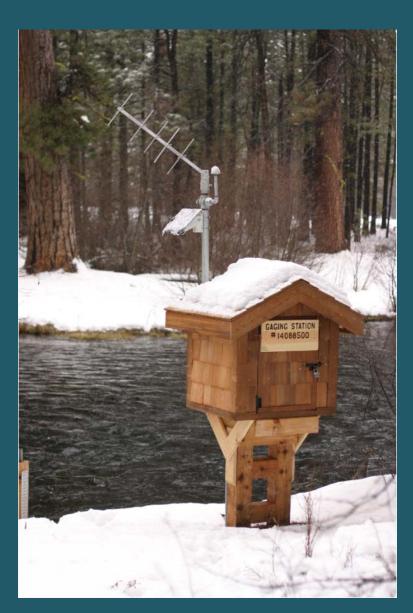
All Active Surface Water Gaging Stations



Typical Old Style Stream Gages

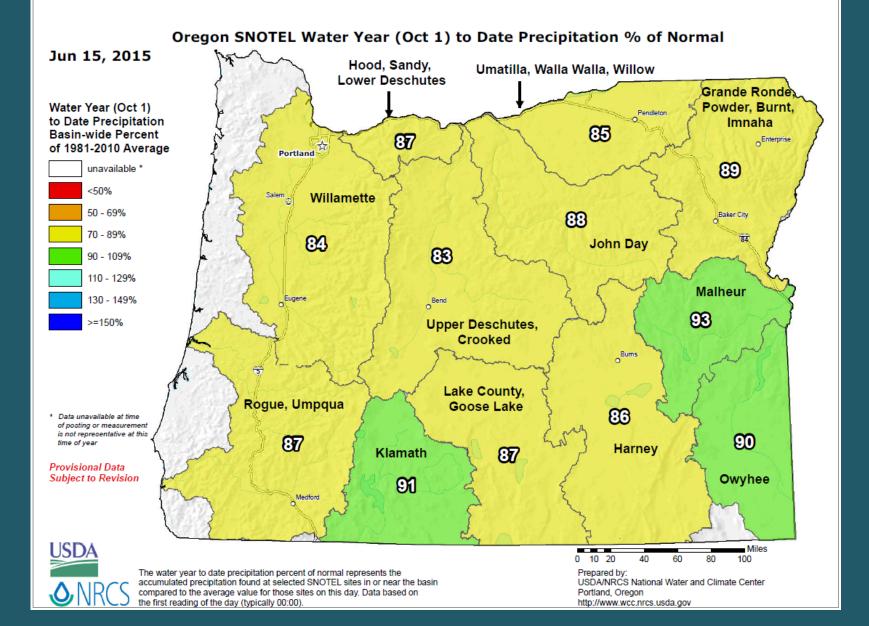
A GALLANDIAL SIL

New Upgraded Real-Time Equipment

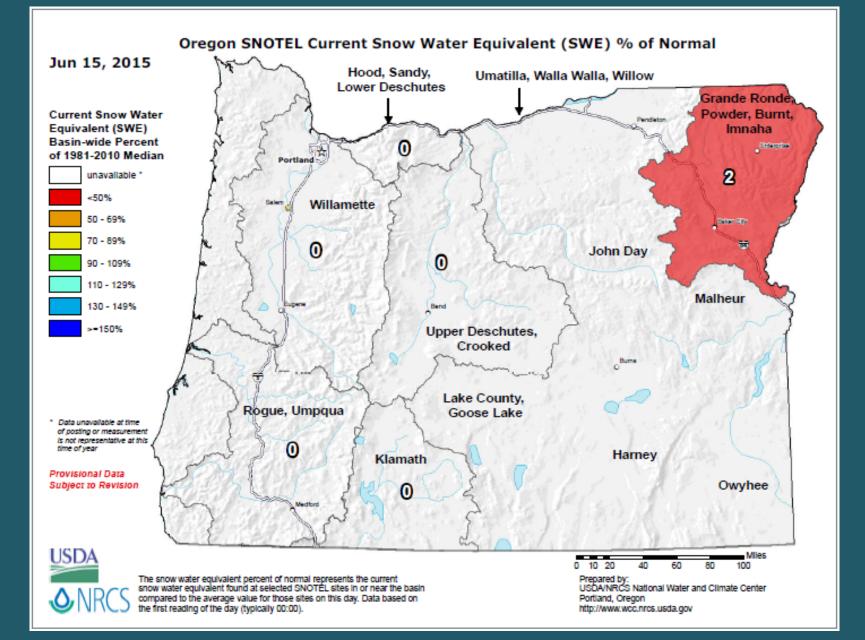




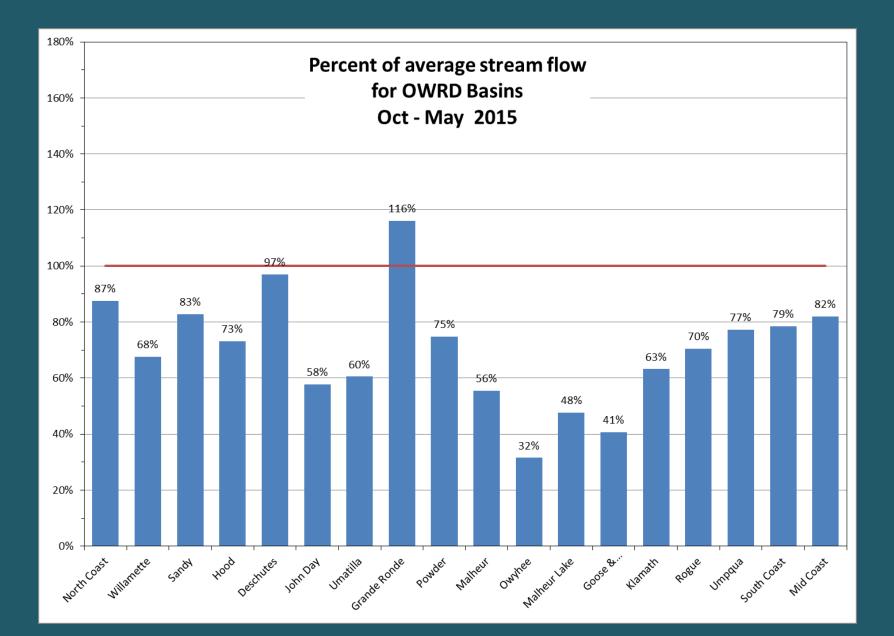
Precipitation



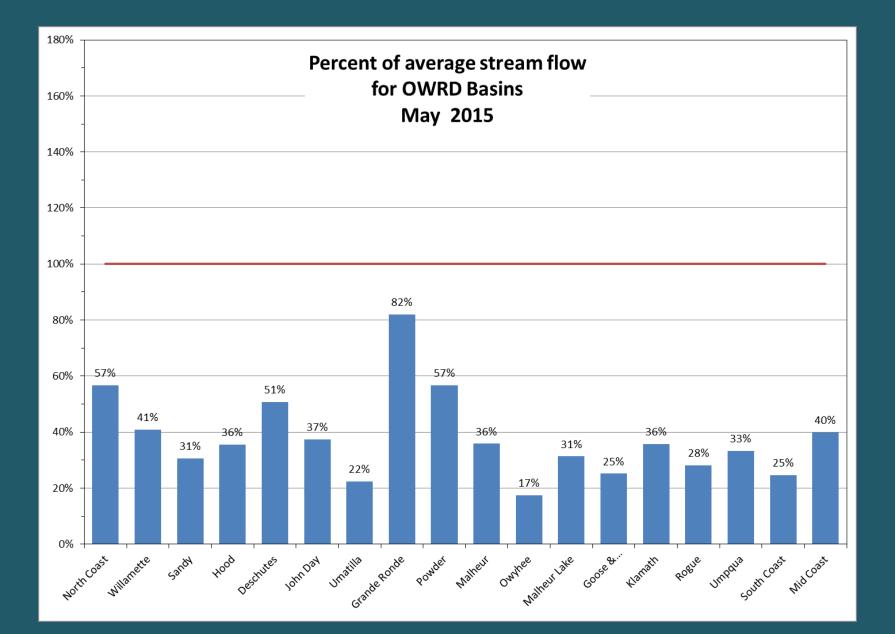
Snow Water Equivalent



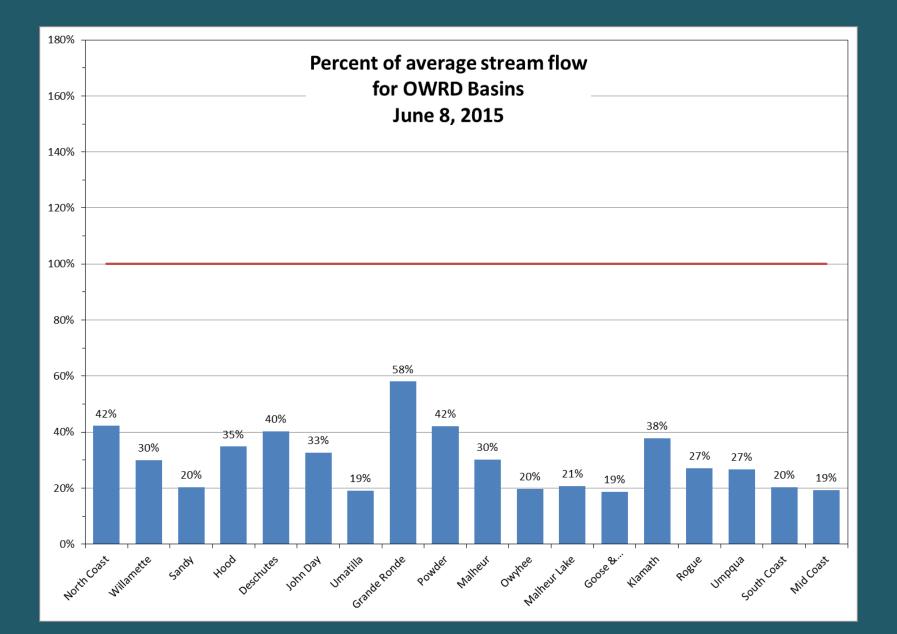
Streamflow Conditions – Water Year



Streamflow Conditions - May



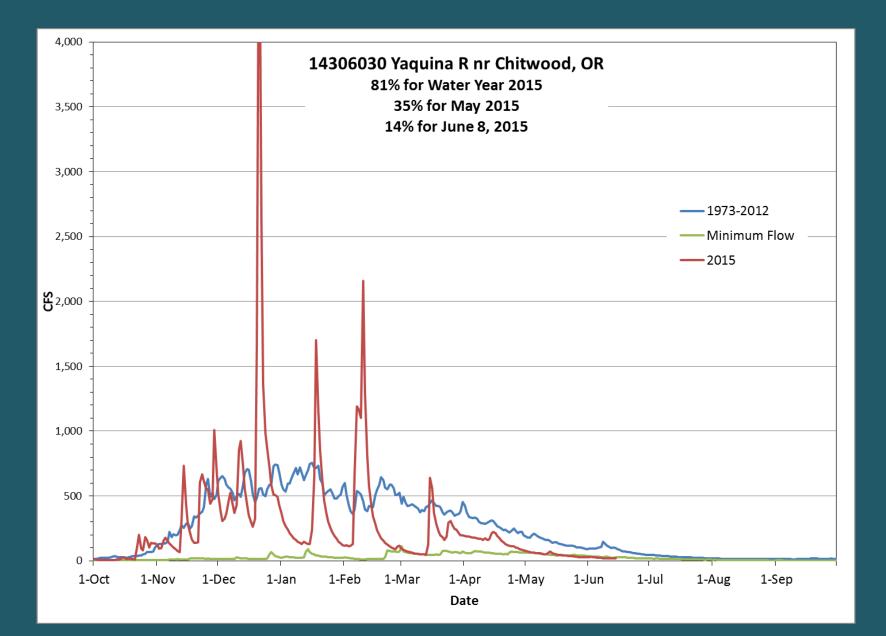
Streamflow Conditions - Current



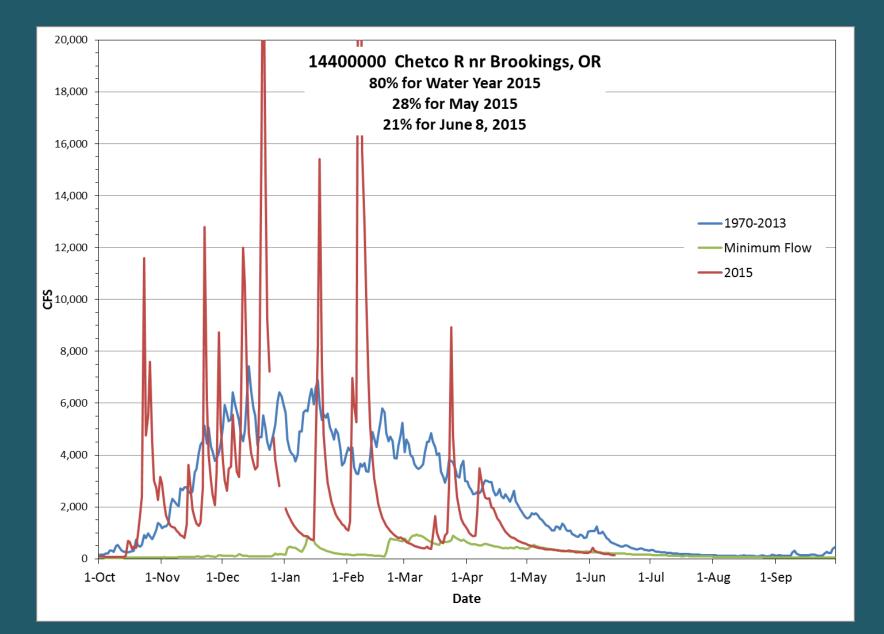
Streamflow Conditions

	Water Year	% of	% of	# of
Basin	% of average	average for	average for	data
	thru May	May	6/8/2015	points
North Coast	87%	57%	42%	3
Willamette	68%	41%	30%	6
Sandy	83%	31%	20%	3
Hood	73%	36%	35%	3
Deschutes	97%	51%	40%	9
John Day	58%	37%	33%	8
Umatilla	60%	22%	19%	6
Grande Ronde	116%	82%	58%	4
Powder	75%	57%	42%	4
Malheur	56%	36%	30%	2
Owyhee	32%	17%	20%	1
Malheur Lake	48%	31%	21%	3
Goose & Summer Lakes	41%	25%	19%	5
Klamath	63%	36%	38%	5
Rogue	70%	28%	27%	7
Umpqua	77%	33%	27%	4
South Coast	79%	25%	20%	2
Mid Coast	82%	40%	19%	3
State	70%	38%	30%	78

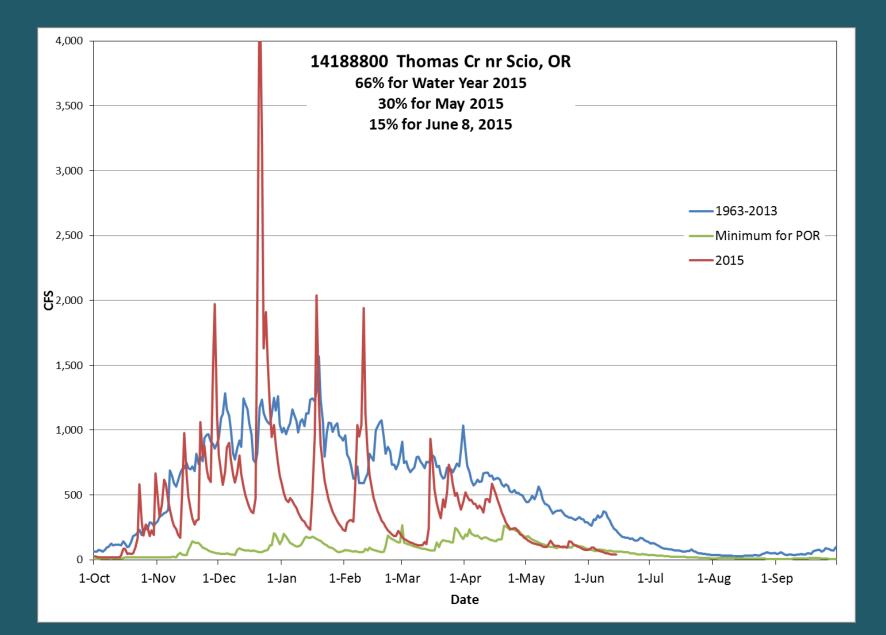
Yaquina River in Lincoln County



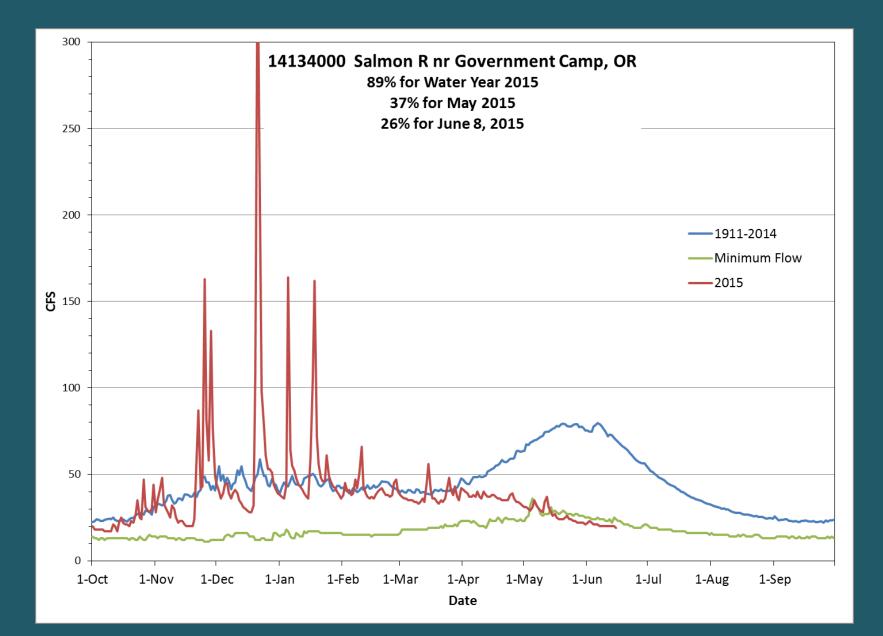
Chetco River in Curry County



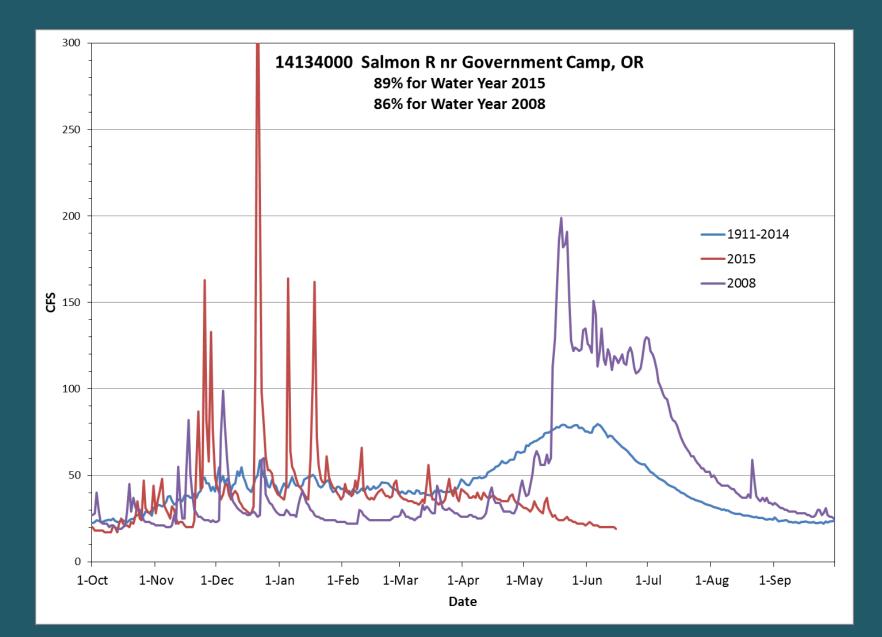
Thomas Creek in Linn County



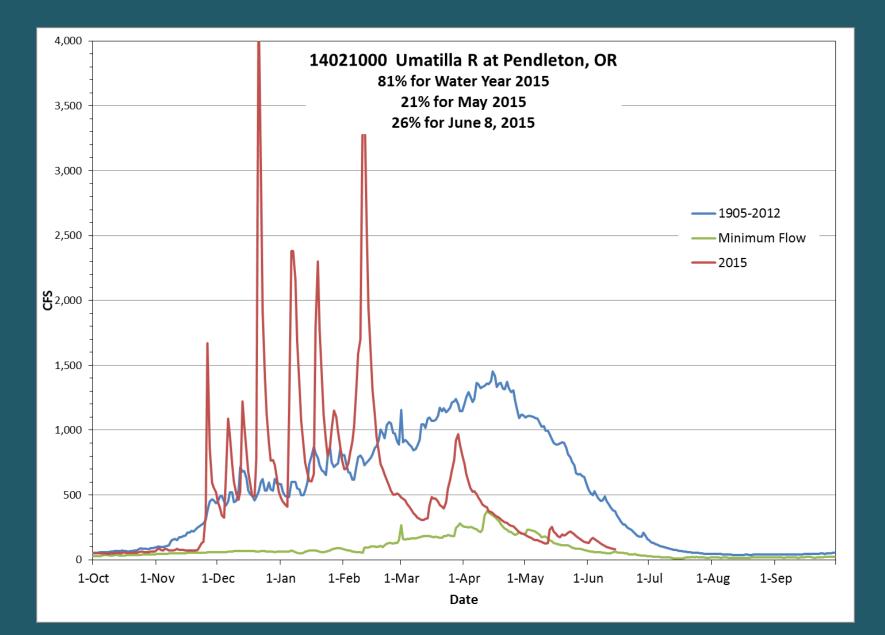
Salmon River in Clackamas County



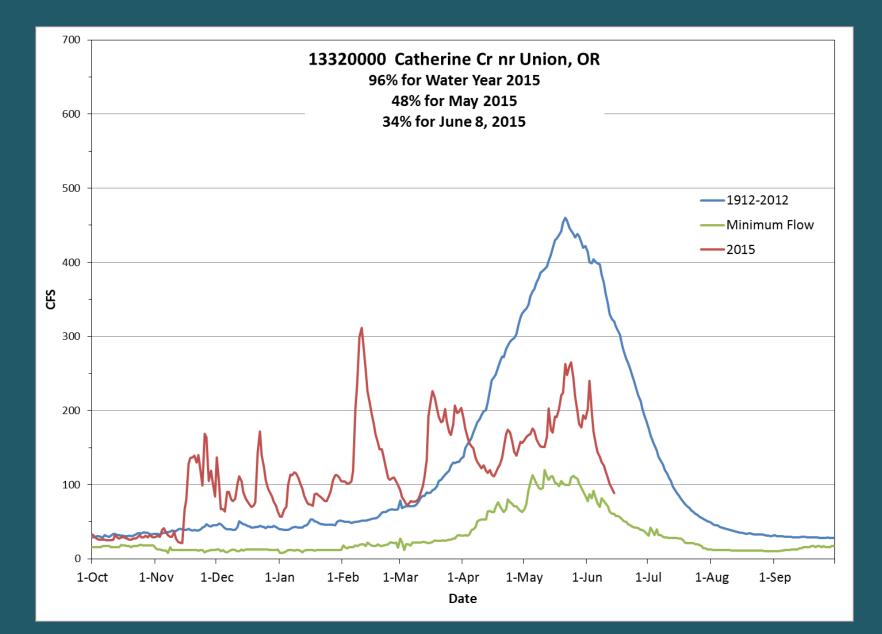
Salmon River in Clackamas County



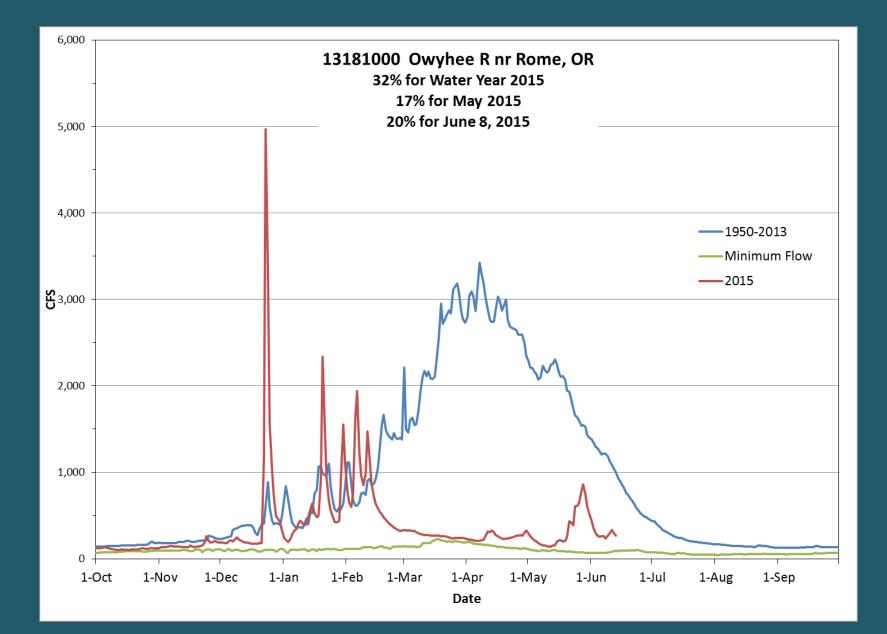
Umatilla River in Umatilla County



Catherine Creek in Union County



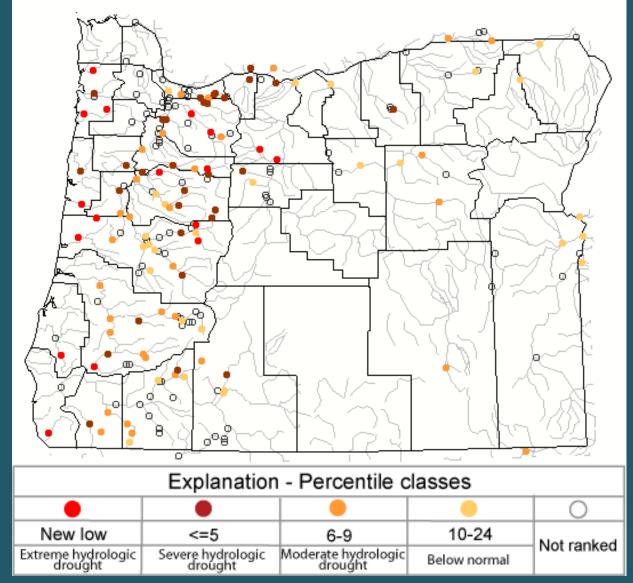
Owyhee River in Malheur County



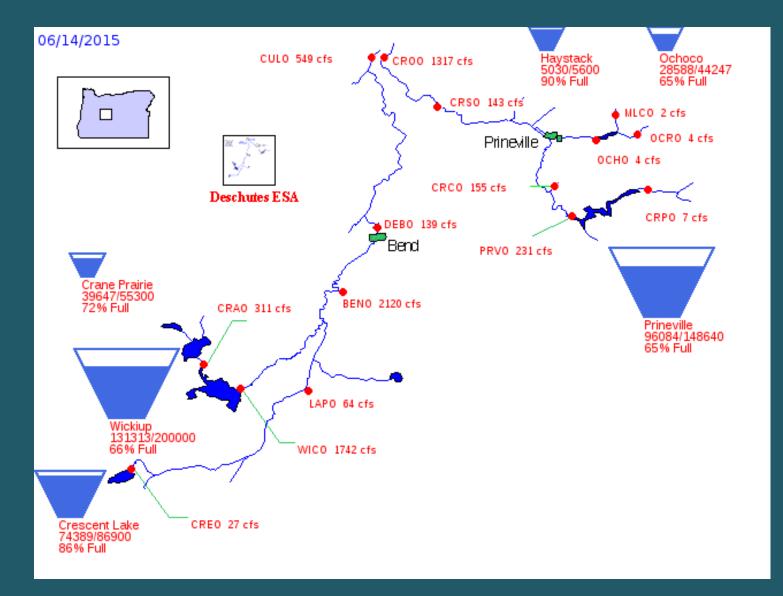
Streamflow Compared to Historical Data



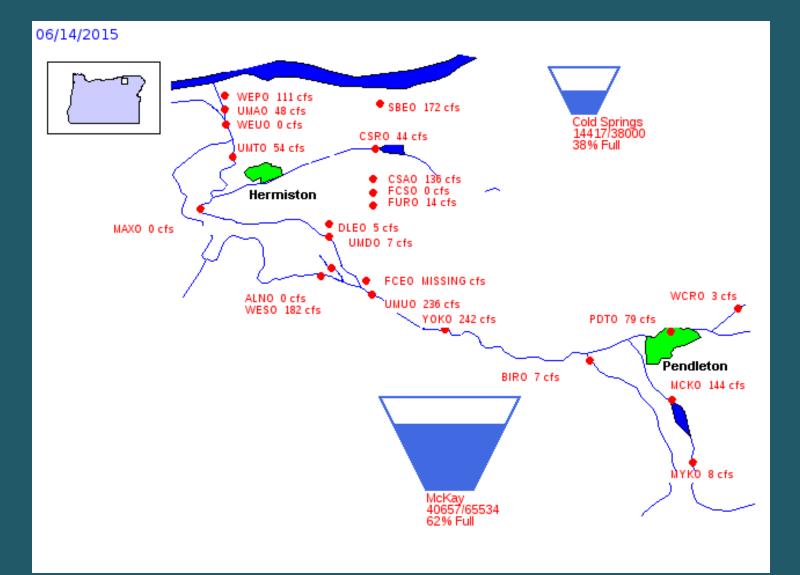
Map of below normal 7-day average streamflow compared to historical streamflow for the day of the year (Oregon)



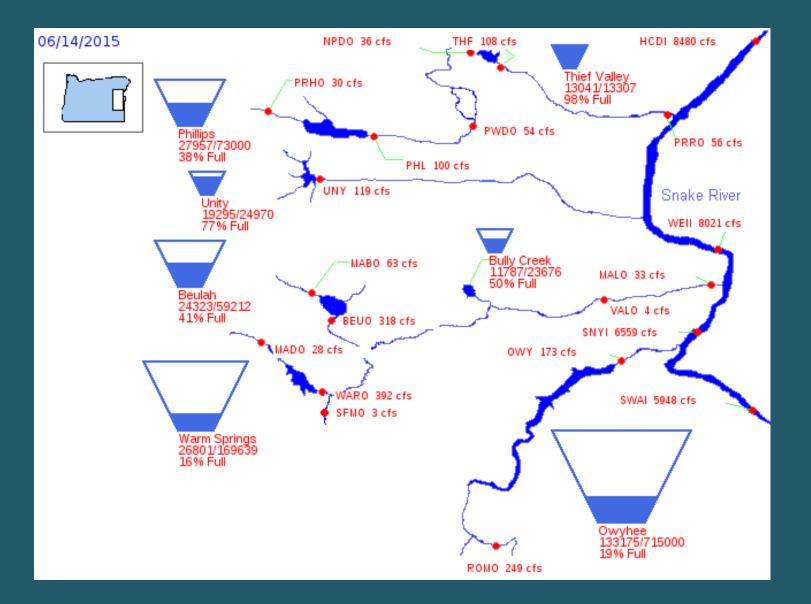
Reservoir Storage – Deschutes



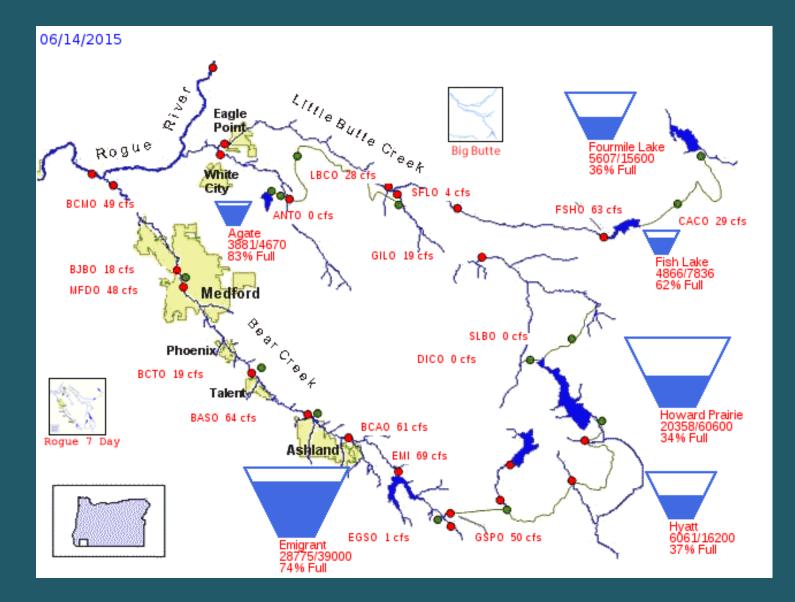
Reservoir Storage – Umatilla



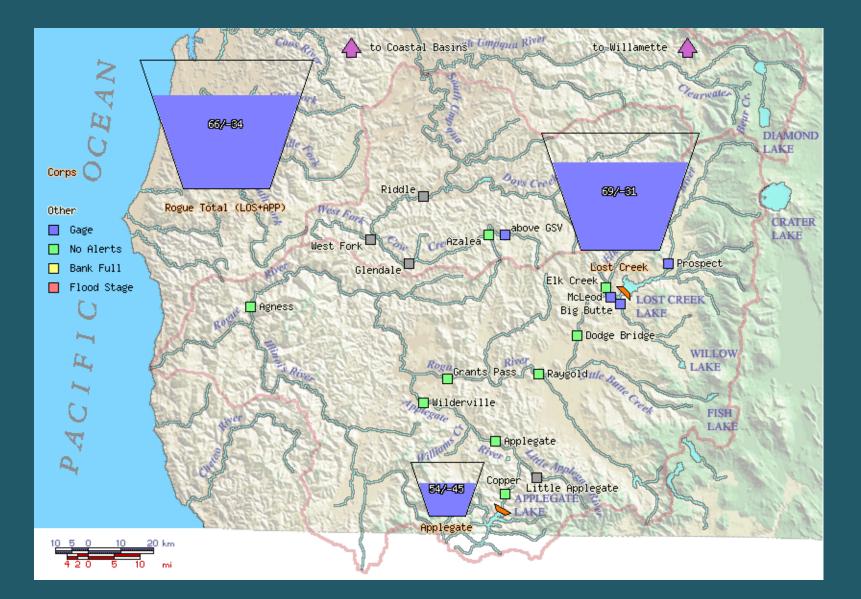
Reservoir Storage – Eastern Oregon



Reservoir Storage – Rogue



Reservoir Storage – Rogue



Reservoir Storage – Willamette

