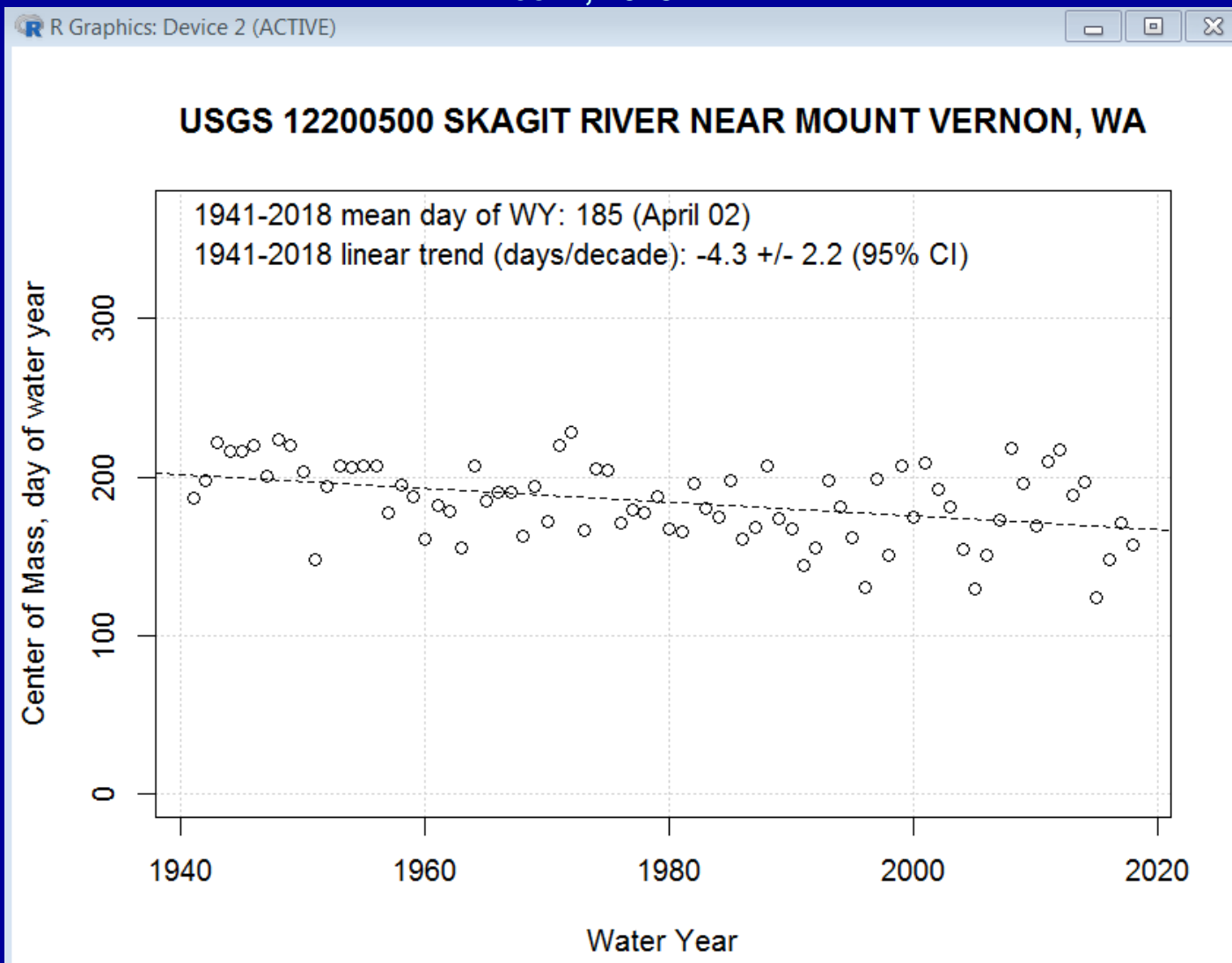


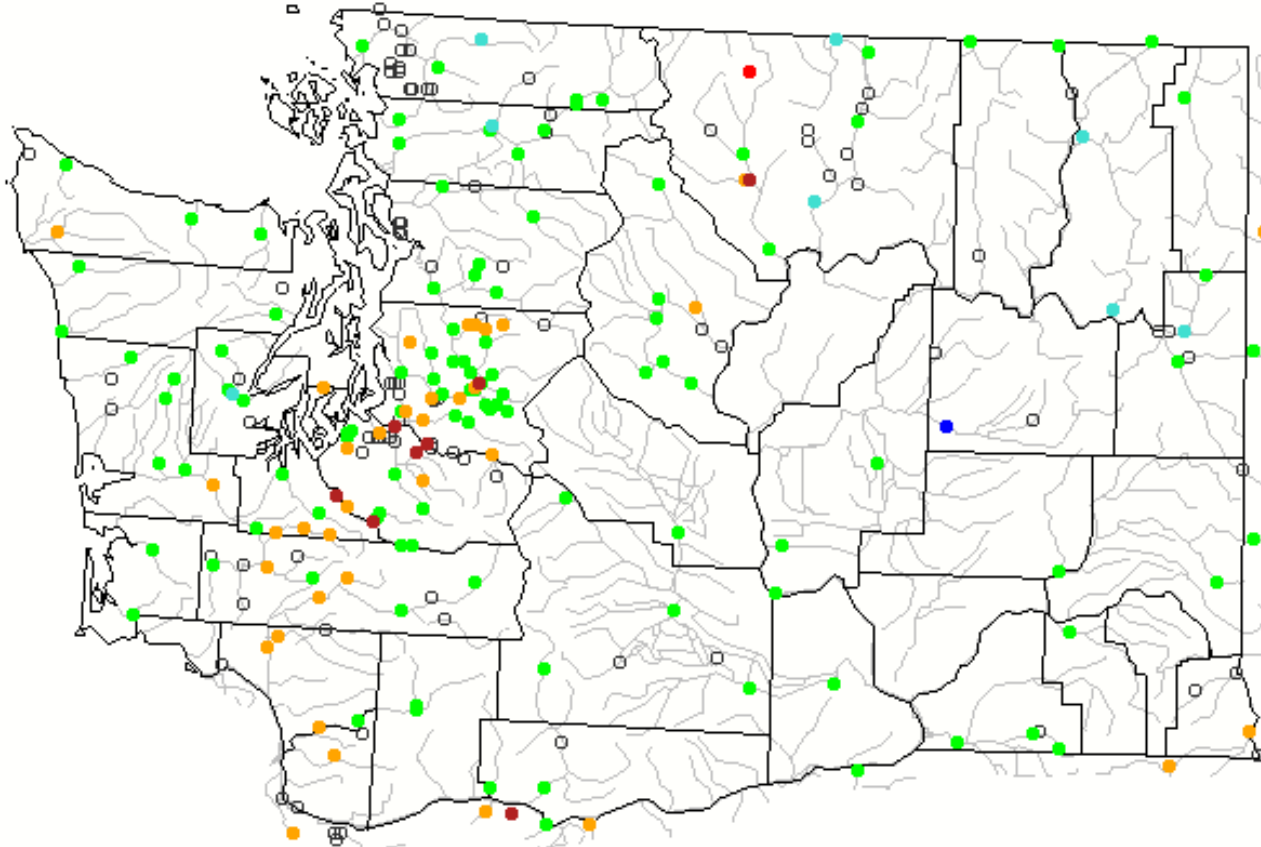
Streamflow Conditions in Washington State as of December 5, 2018

Presented by Mark Mastin to the Washington State
Water Supply Availability Committee
Dec. 7, 2018



7-day Average Streamflow (for day of the year)

Wednesday, December 05, 2018



December 05, 2018

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

Duration Hydrograph, Washington State

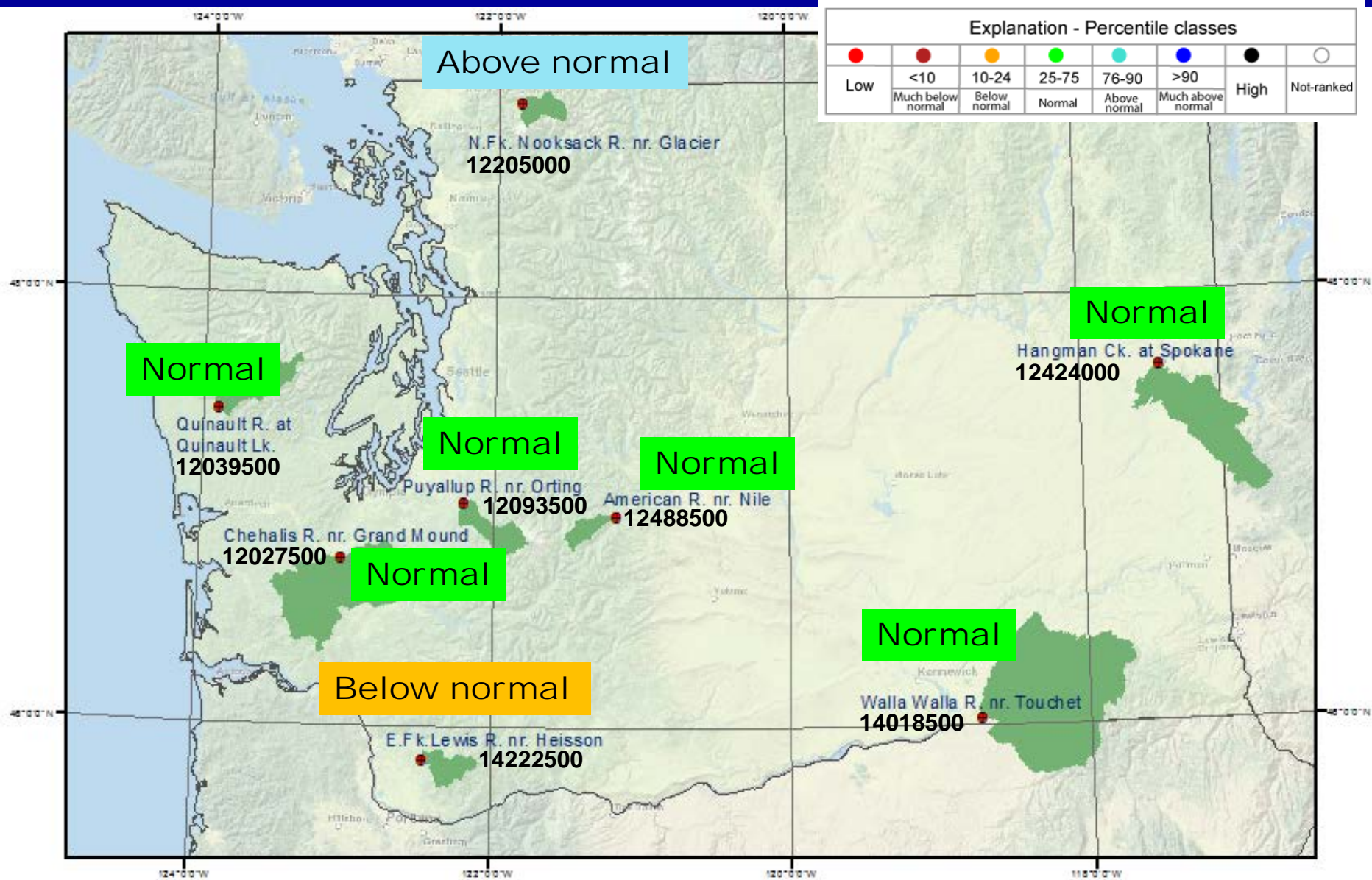
7-day Average Streamflow (updated Dec. 05, 2018)

Duration Hydrograph
routine not working
currently....

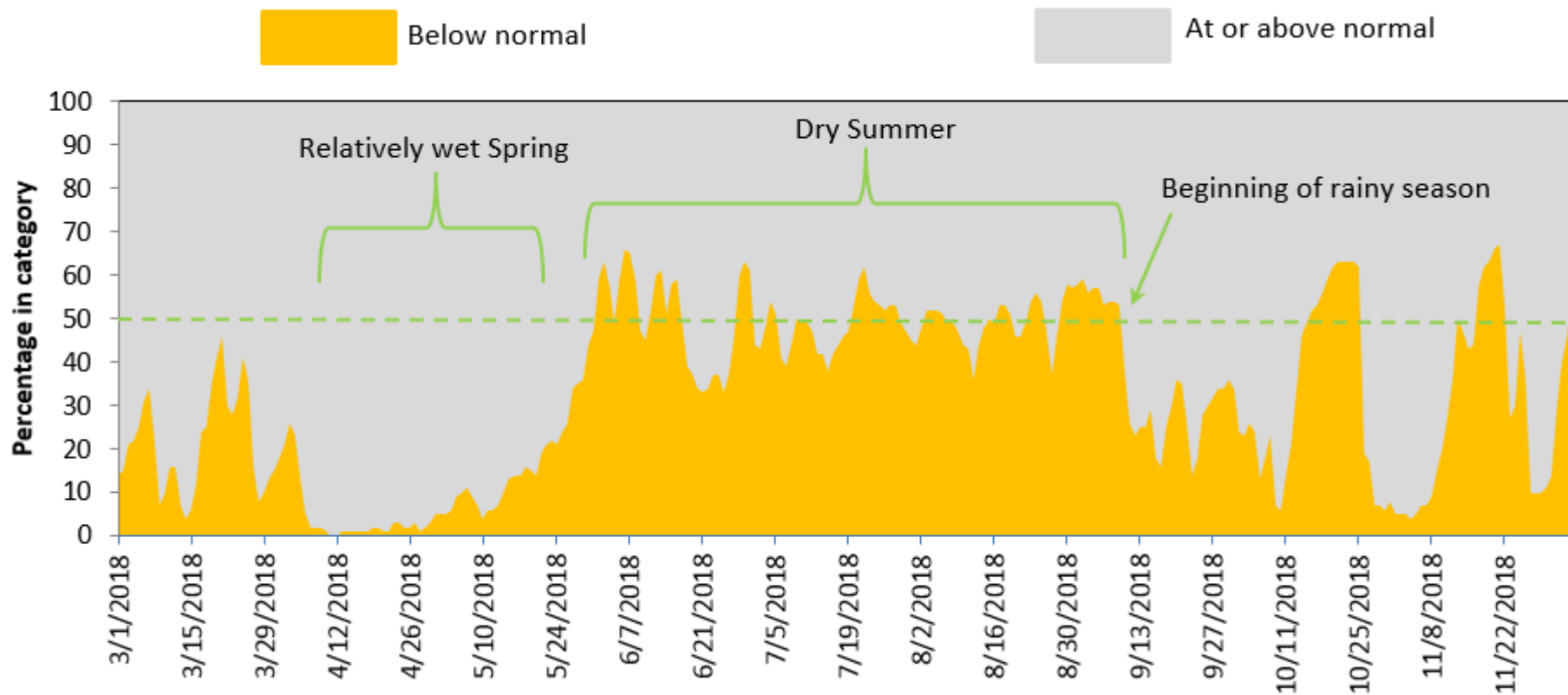
As of December 05,
2018, statewide 7-day
average flows ...

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

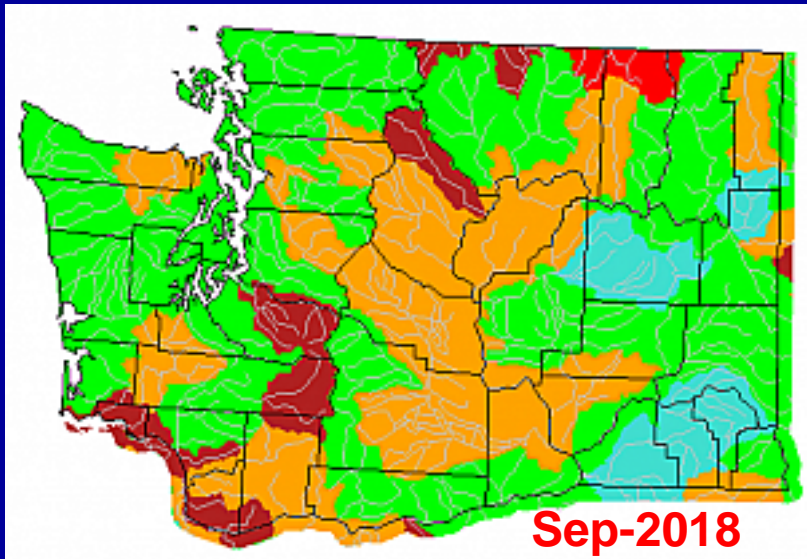
Index Gaging Stations, 7-day average streamflow (as of Dec. 05, 2018)



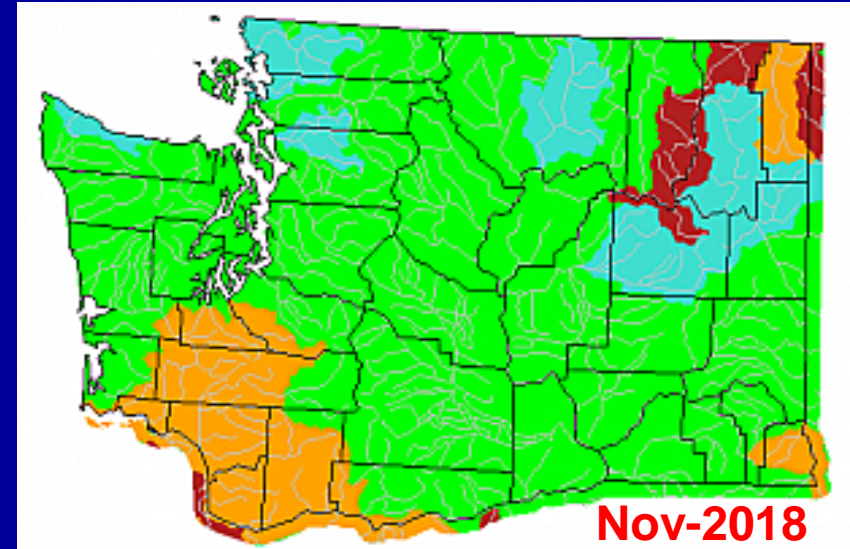
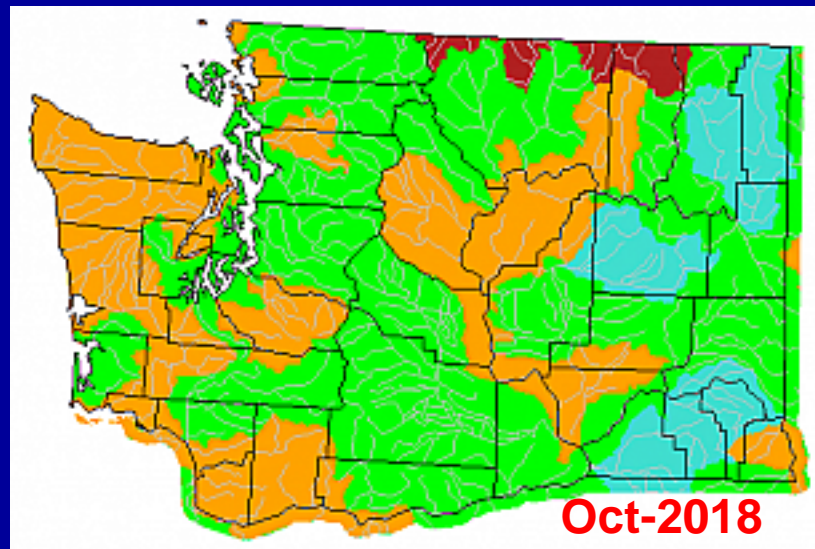
Daily streamflow in Washington Rivers compared to historical streamflow, March 01, 2018 – Dec. 05, 2018



September through November 2018 Monthly Streamflow



Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	



Groundwater Conditions

April 1, 2018 to December 05, 2018

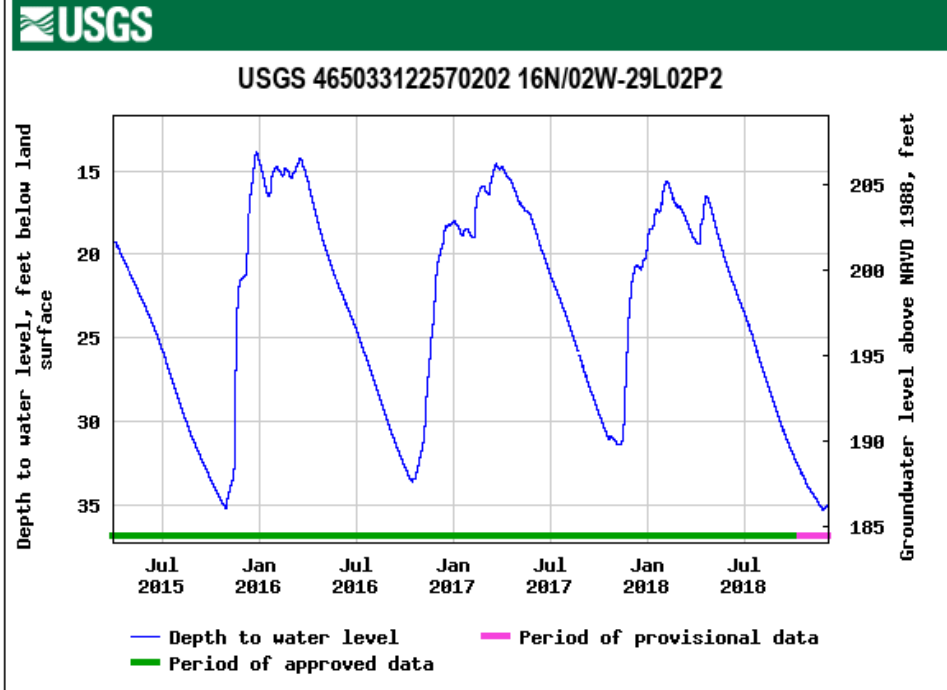
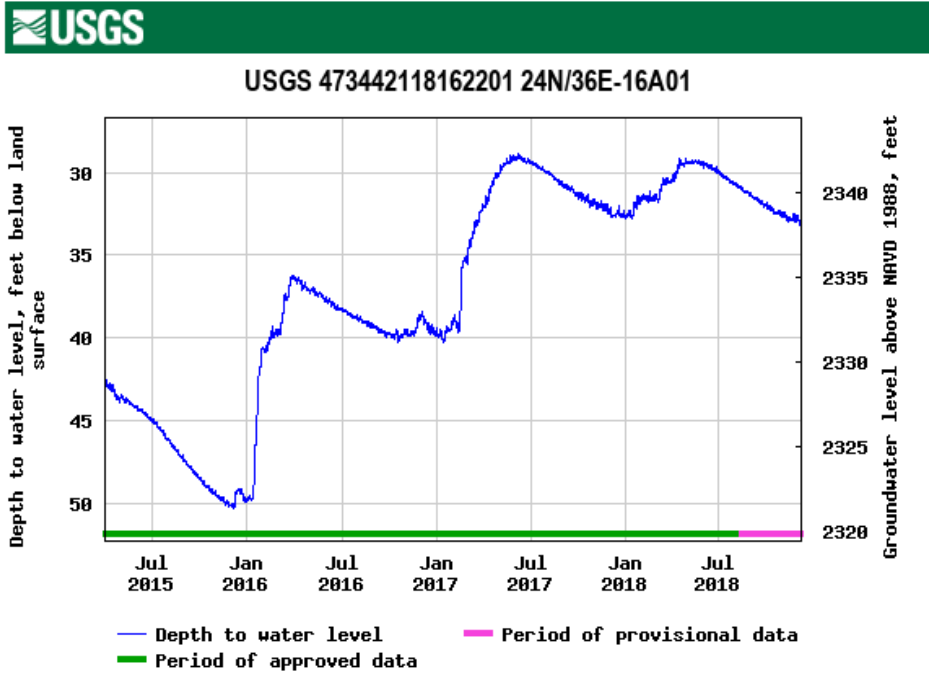
and Apr. 1, 2015 to Dec 05, 2018

Davenport well

- 117-ft deep
- Wanapum Basalt

Scatter Creek well

- 82-ft deep
- Sand and gravel



Summary

Streamflow and Groundwater Conditions as of December 05, 2018

- ✓ 7-day average streamflow statewide is mostly normal with many below normal classifications in the South Sound and SW Washington regions.
- ✓ As of December 5, daily mean streamflow is at normal and above at 47 percent of the 153 streamflow sites.
- ✓ 7-day average streamflow at seven index gaging stations is:
 - All but one site are normal
 - It is below normal at E.Fk Lewis River near Heisson
- ✓ Groundwater level in the eastern Washington well is still well above normal and Scatter Creek is a bit lower than where it usually is this time of year.