

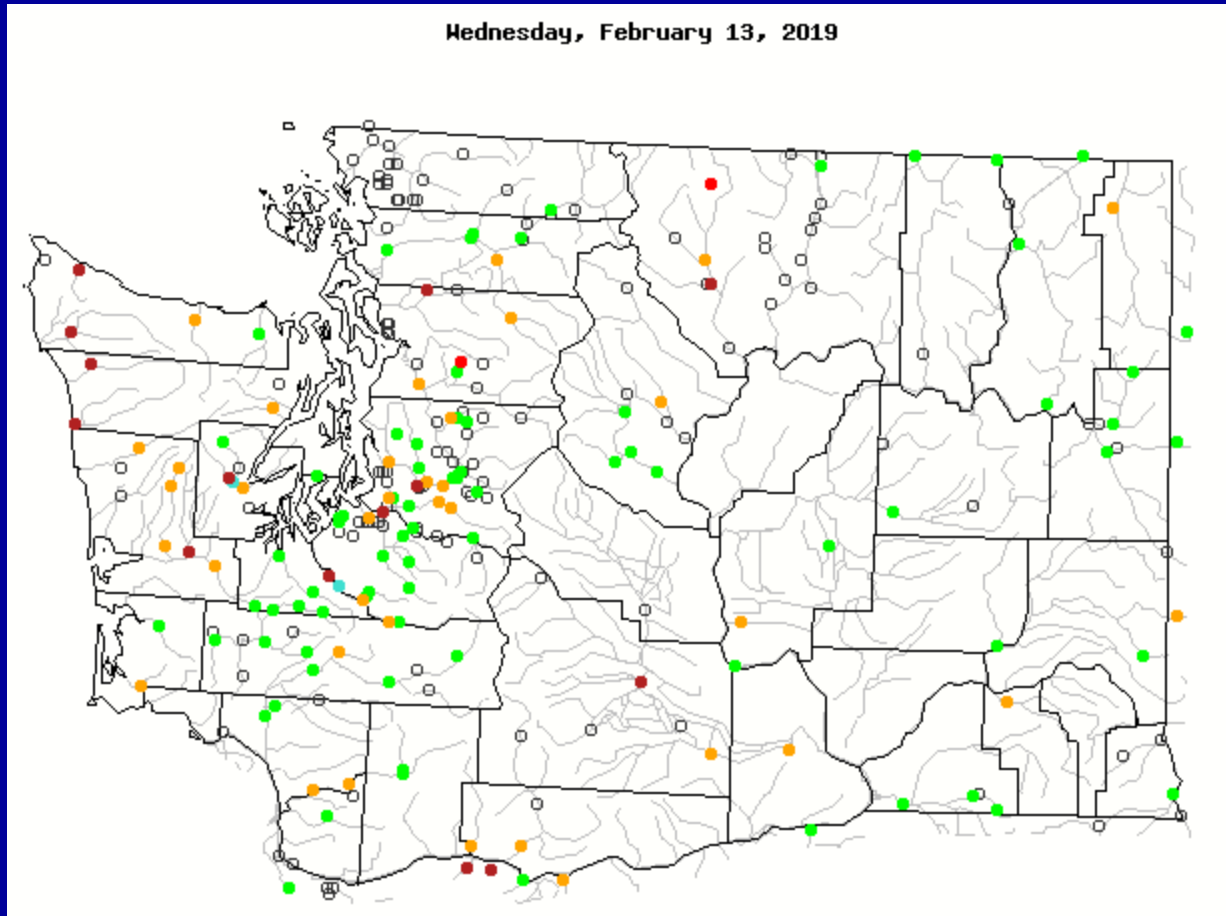
# Streamflow Conditions in Washington State as of February 12-14, 2019

Presented by Mark Mastin to the Washington State  
Water Supply Availability Committee  
Feb. 15, 2019











The story this month is  
lots of lowland snow and  
generally diminishing  
flows. Shown at the left  
is Larry in Snohomish  
2/14/2019

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

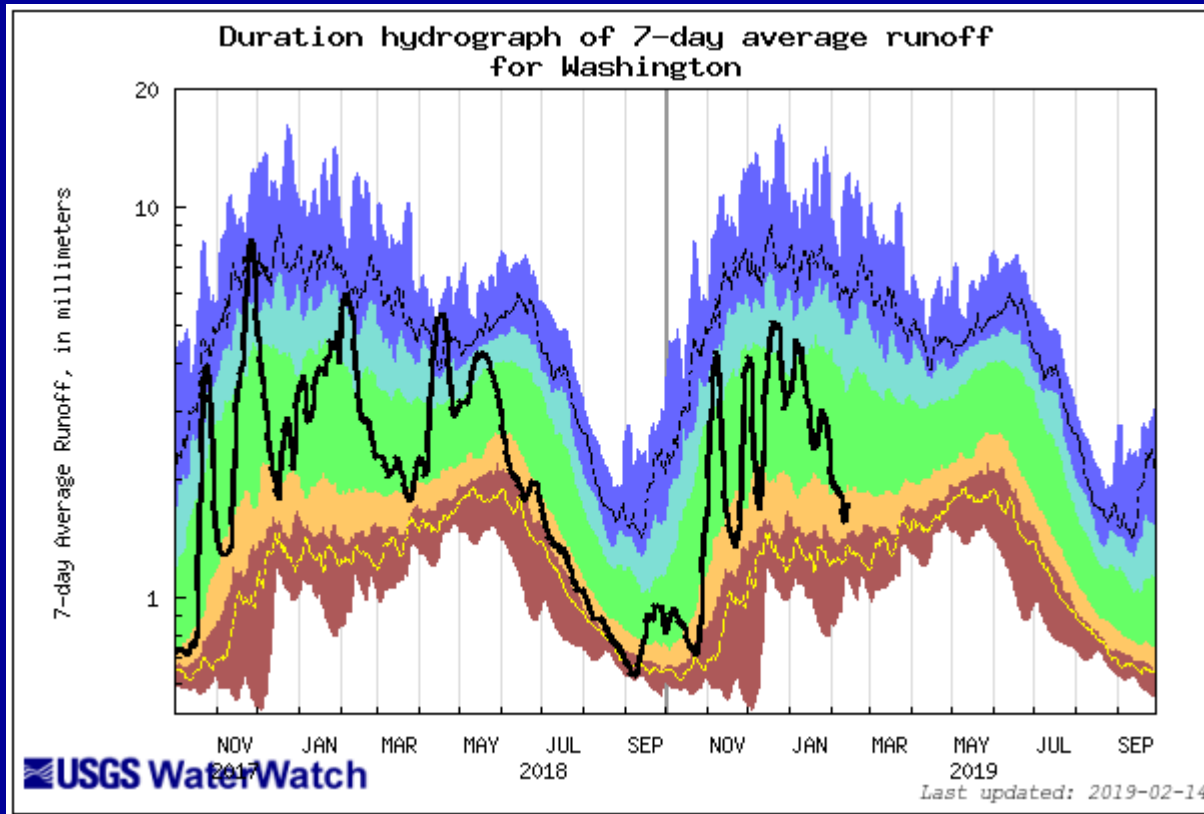


February 13, 2019

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

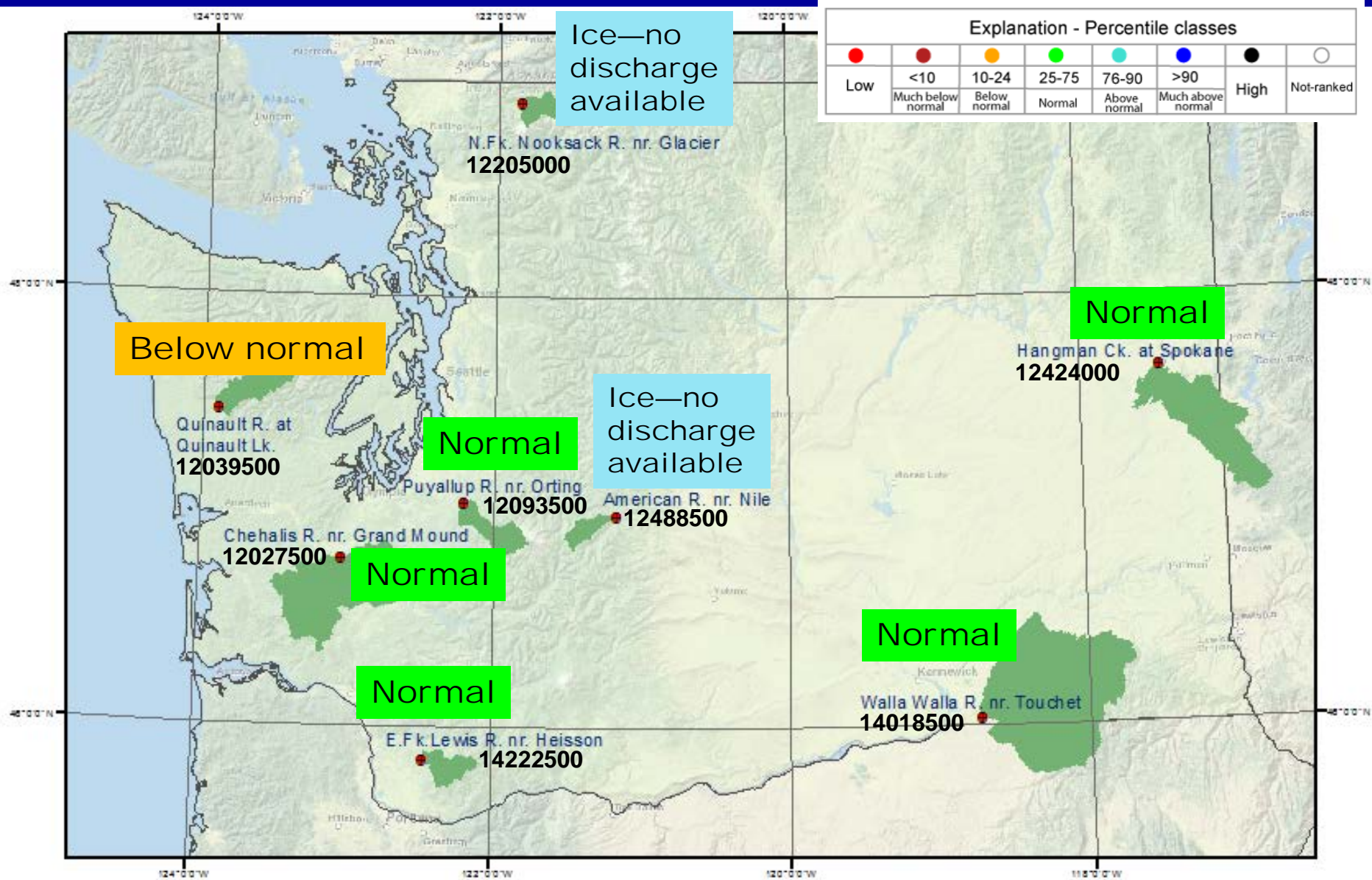
## 7-day Average Streamflow (updated Feb. 13, 2019)



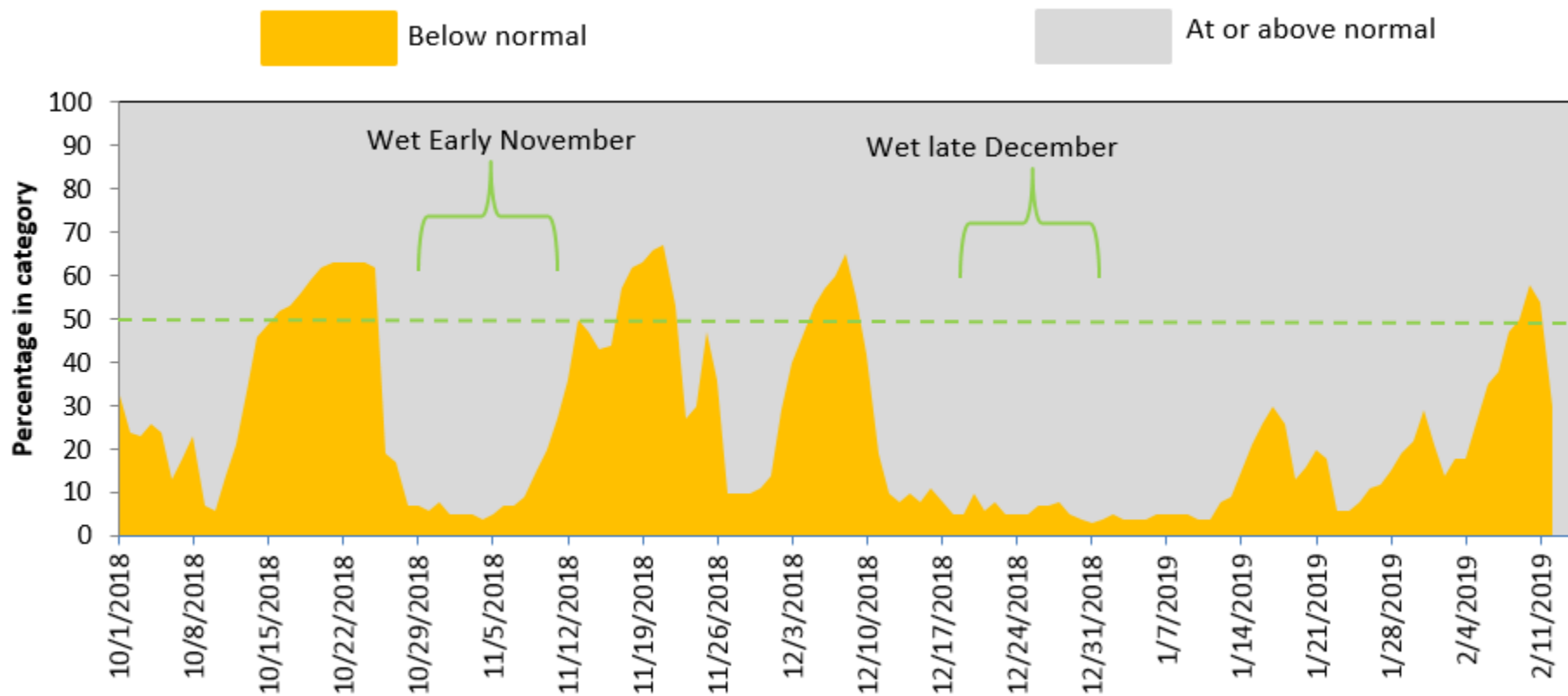
As of February 13, 2019, statewide 7-day average flows are between the 10<sup>th</sup> and 24<sup>th</sup> percentile, which is in the Below Normal category

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

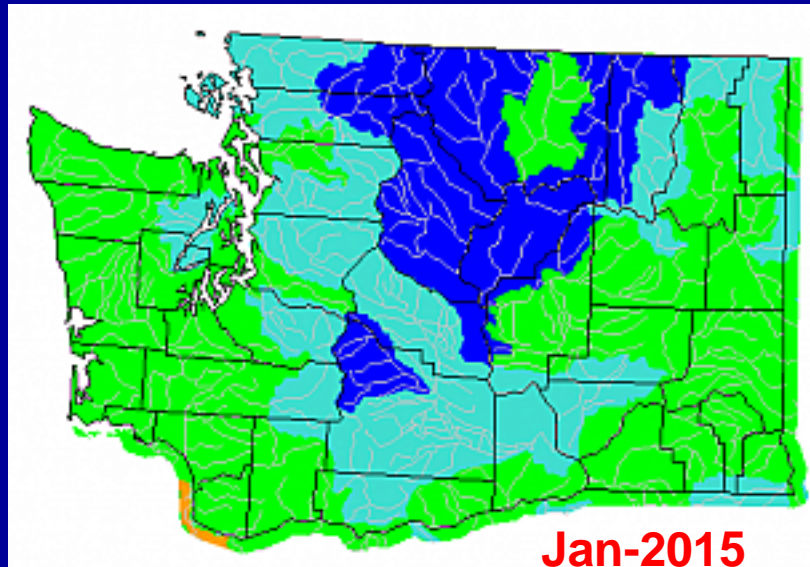
# Index Gaging Stations, 7-day average streamflow (as of February 13, 2019)



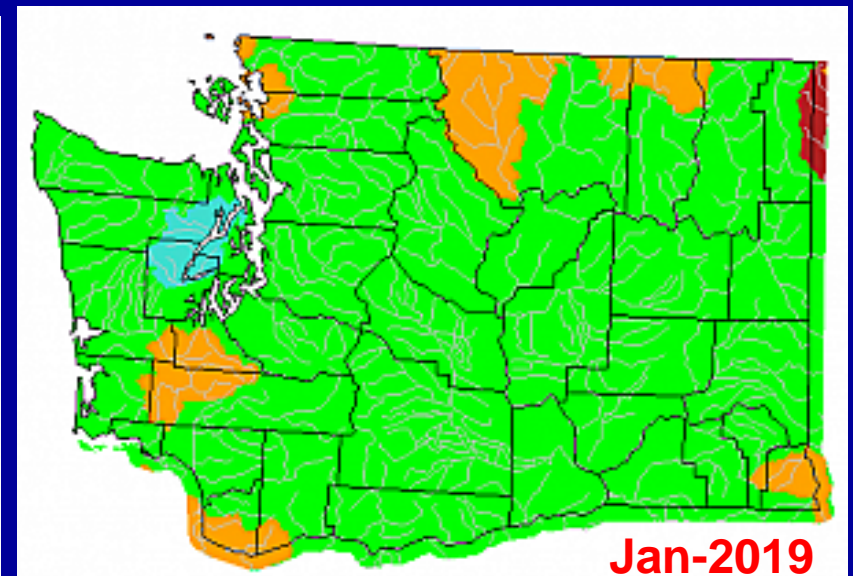
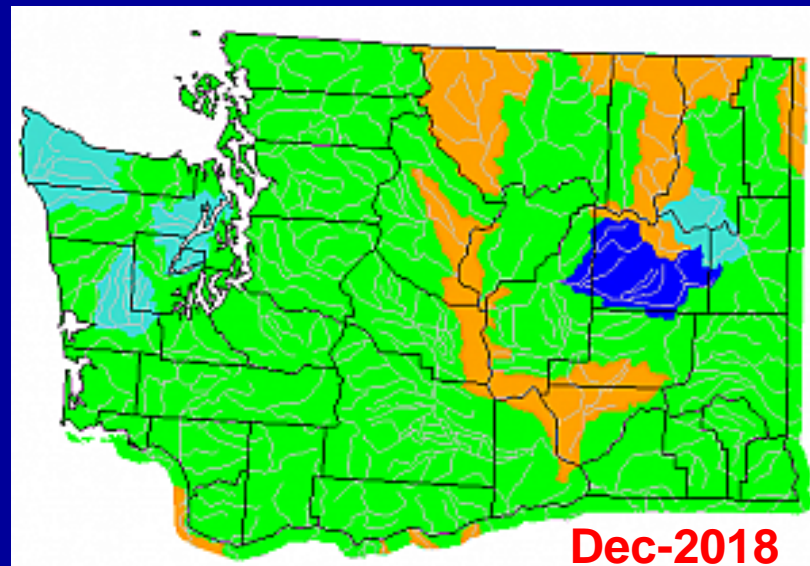
# Daily streamflow in Washington Rivers compared to historical streamflow, October 01, 2018 – Feb. 13, 2019



# January 2015 and 2019 and December 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

October 1, 2018 to February 14, 2019

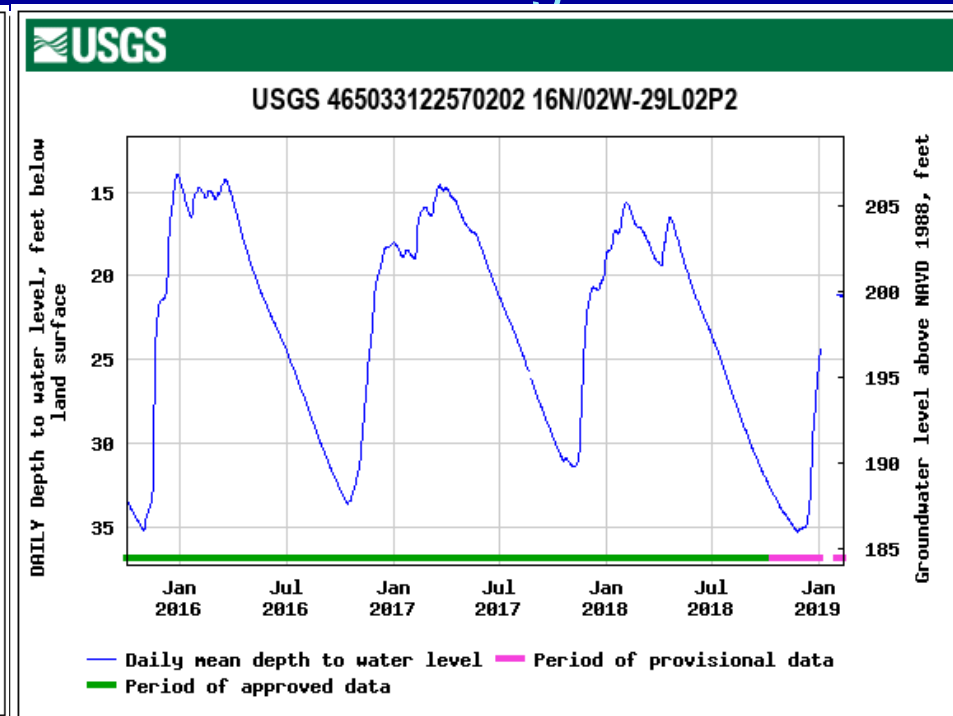
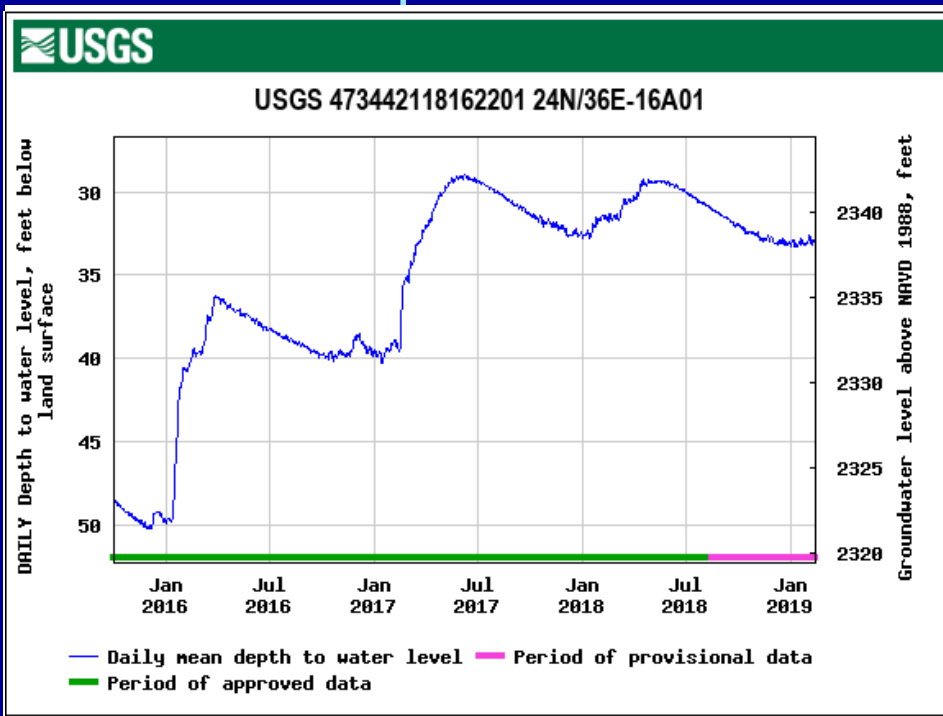
and Oct. 1, 2015 to Feb 14, 2019

## Davenport well

- 117-ft deep
- Wanapum Basalt

## Scatter Creek well

- 82-ft deep
- Sand and gravel



# Summary

## Streamflow and Groundwater Conditions as of February 12-14, 2019

- ✓ 7-day average streamflow statewide is mostly normal to below normal throughout the State, but many below normal and much below normal sites on the Olympic Peninsula.
- ✓ As of February 12, daily mean streamflow is at normal and above at 70 percent of the 121 streamflow sites.
- ✓ 7-day average streamflow at seven index gaging stations is:
  - All but one of the recording sites are normal
  - It is below normal at the Quinault River at Quinault Lake
- ✓ Groundwater level in the eastern Washington well is still above normal and Scatter Creek is a bit lower than where it usually is this time of year.