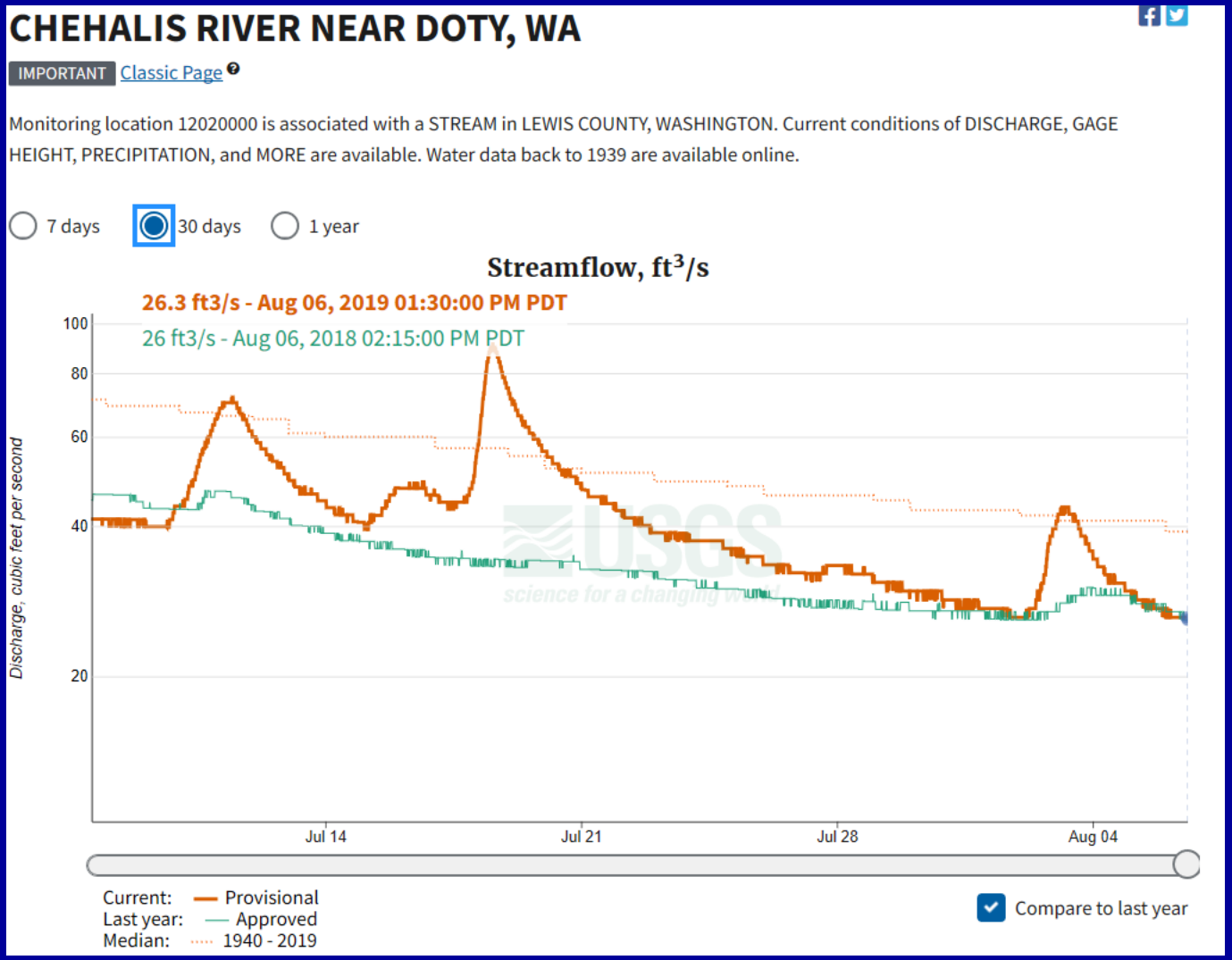
Streamflow Conditions in Washington State as of August 7-8, 2019

Presented by Rick Dinicola to the Washington State Water Supply Availability Committee
August 9, 2019



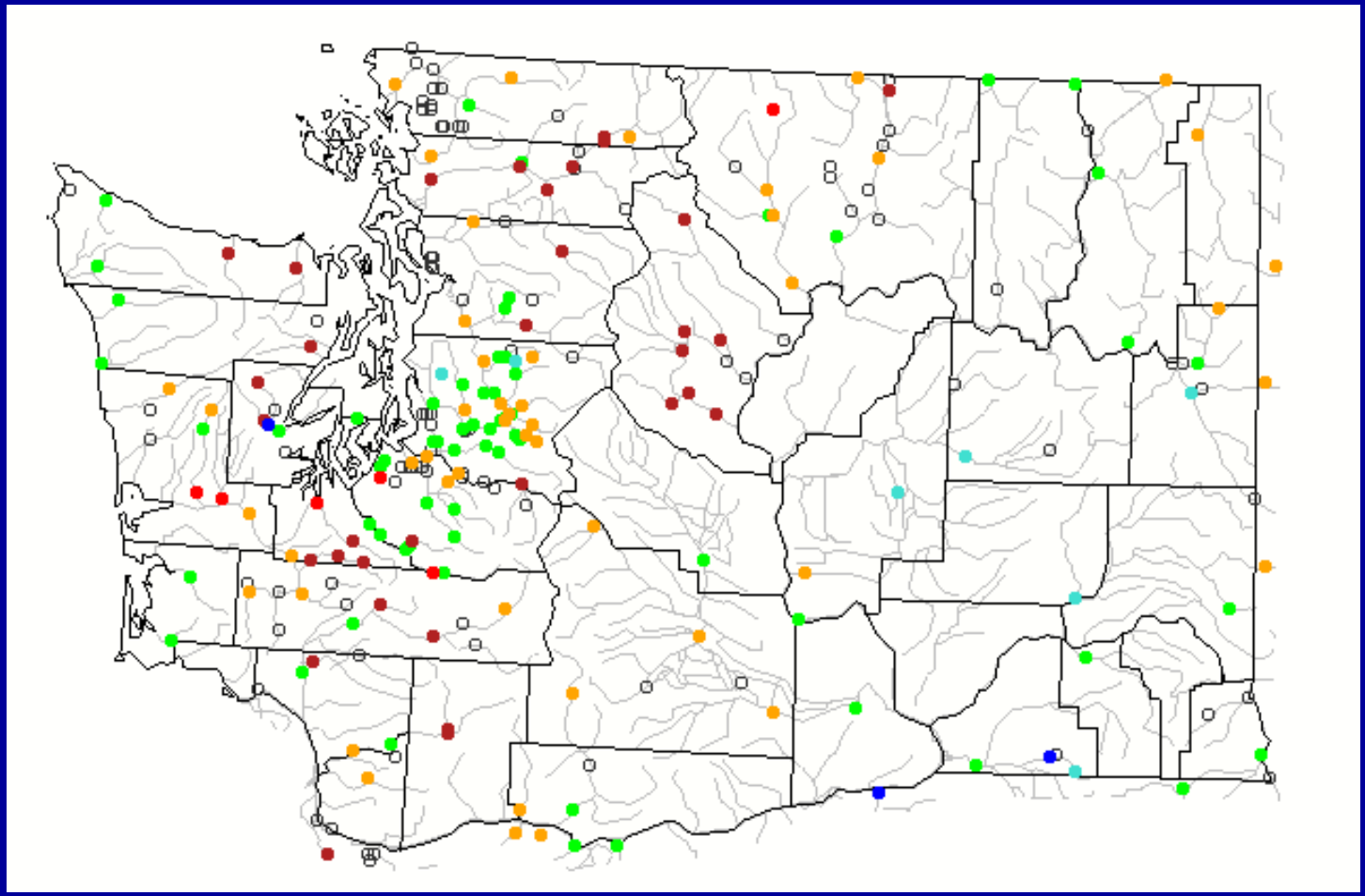
For August 7th:
Median flow = 40 cfs
Current flow= 25.4 cfs

Flow at the beginning of July was lower than last year, but this year's summer rains have kept the flow on par with last year's early August flow.

NOTE: This is the beta version of the new station web pages for the USGS

7-day Average Streamflow

(for day of the year)



Some improvement on the West side over the June 5th map shown last meetingt. East flank of Cascades has become relatively drier.

August 7, 2019

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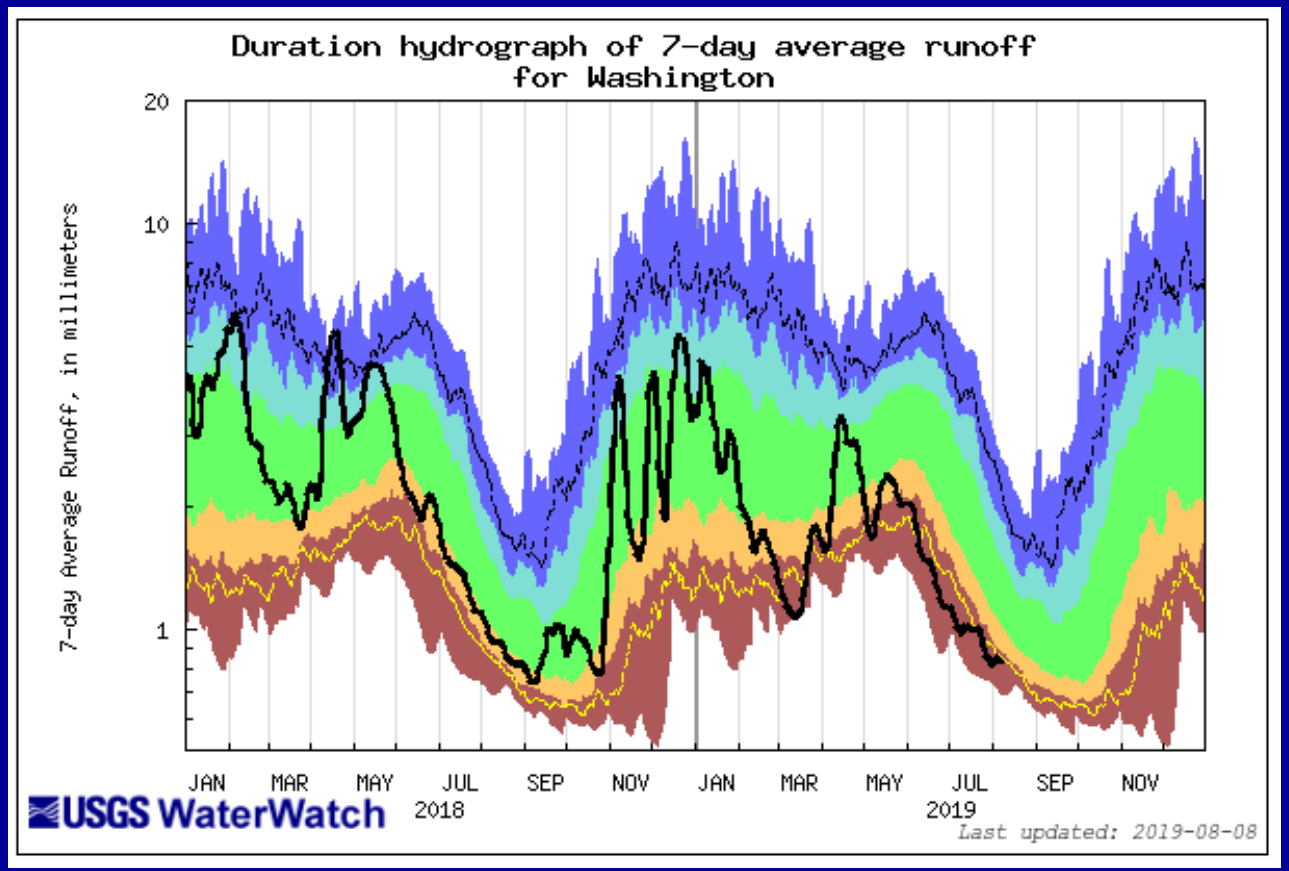
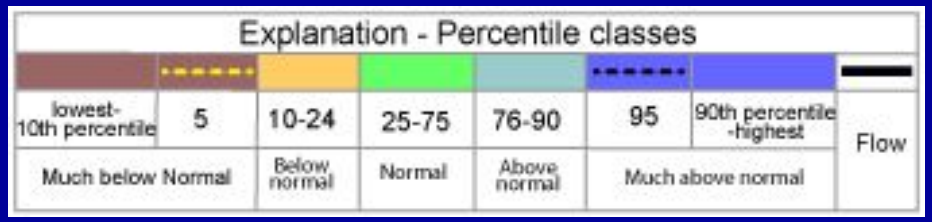
Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Duration Hydrograph, Washington State

7-day Average Streamflow (updated August 8, 2019)



As of August 8, 2019, statewide 7-day average flows are about at the 5% percentile, near the border of Much Below Normal and Below Normal categories.



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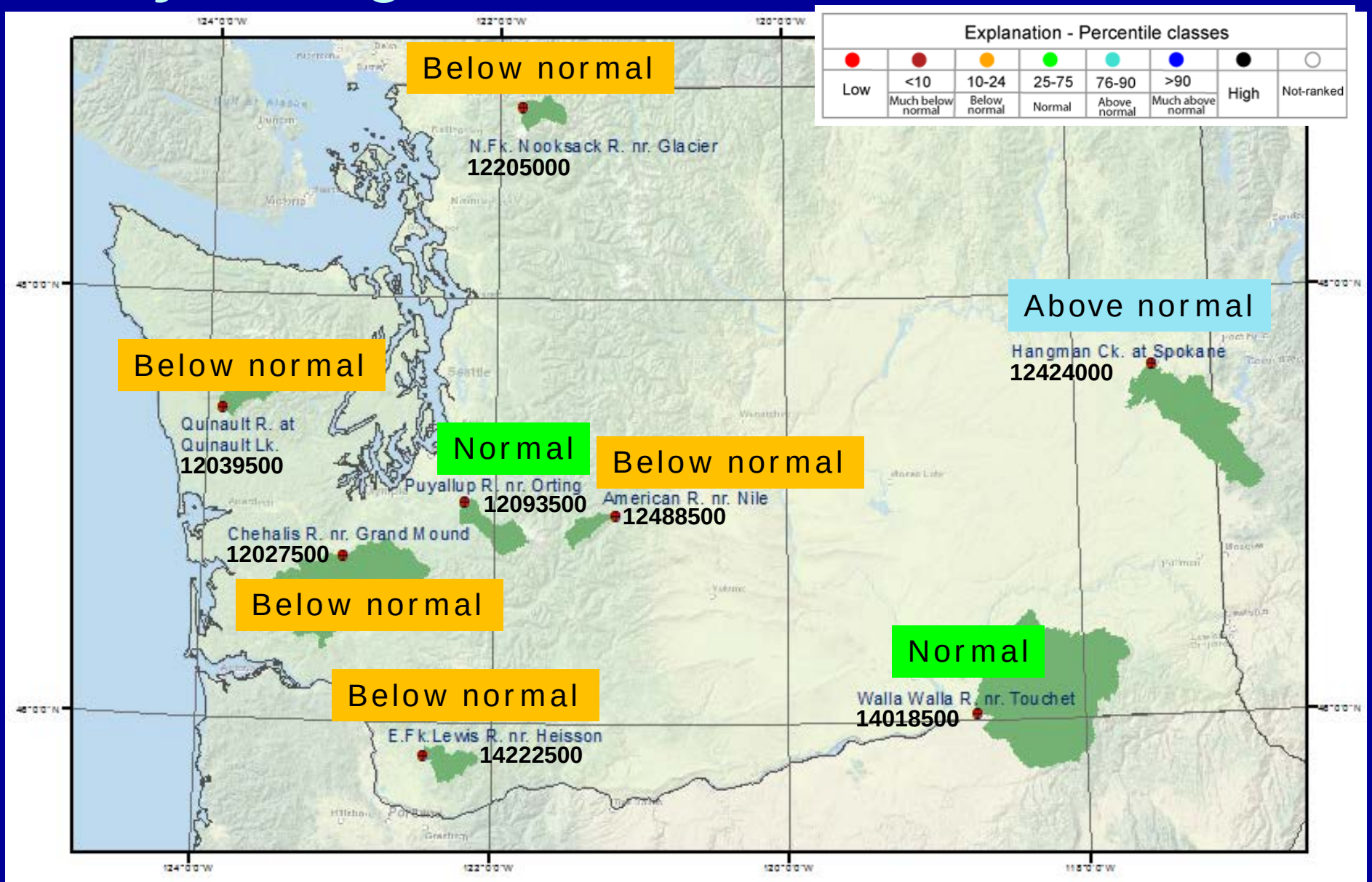
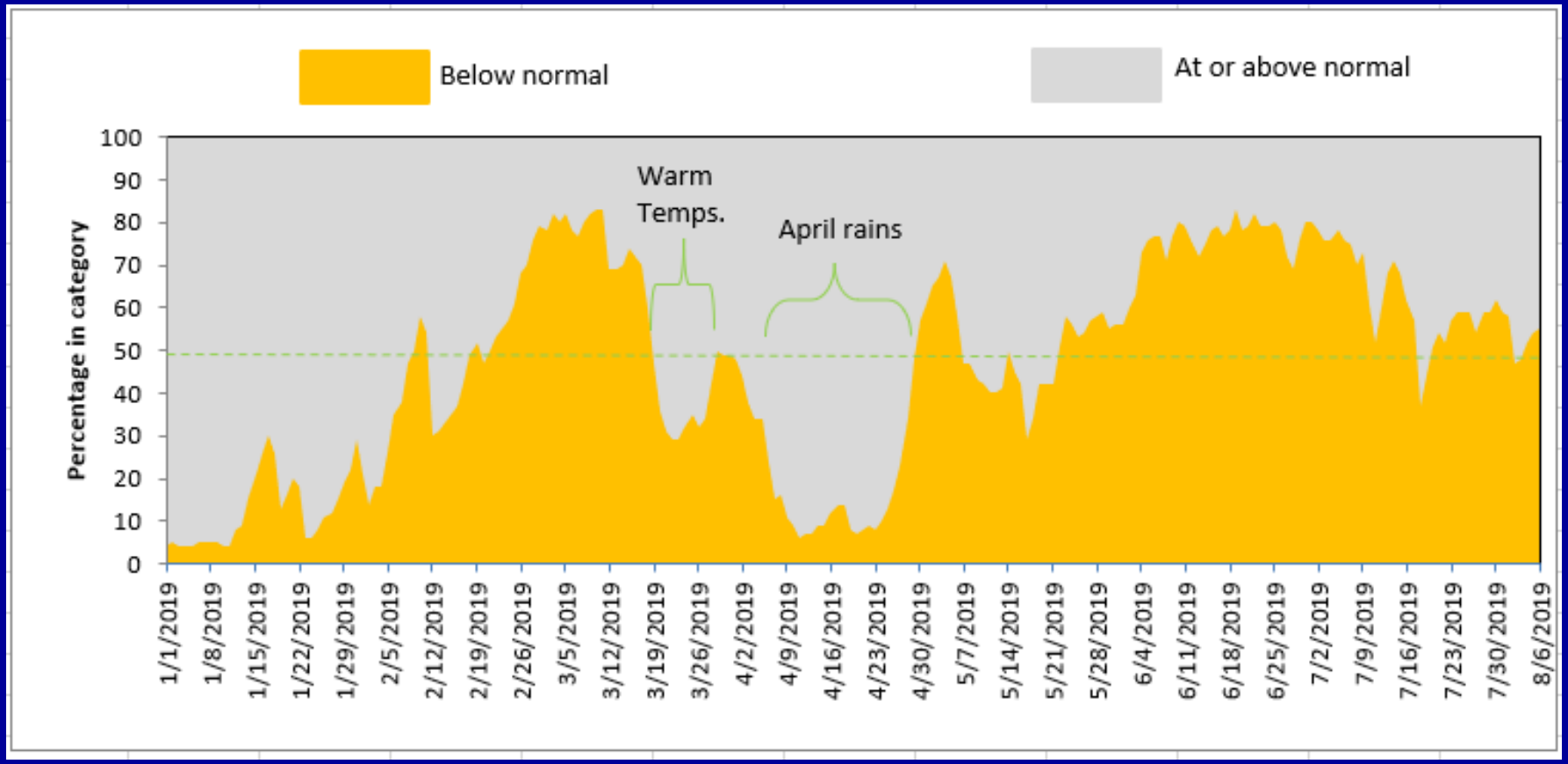
Index Gaging Stations, 7-day average streamflow (as of August 7, 2019)



Daily streamflow in Washington Rivers compared to historical streamflow, January 01, 2019 – August 6, 2019



August 6th value (55% below normal) is less than the June 4th value (73%) that we showed last meeting

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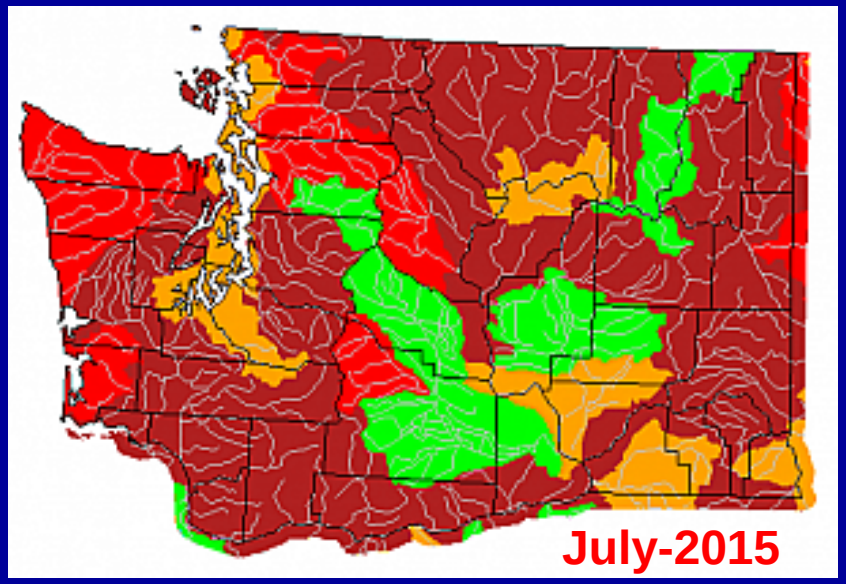
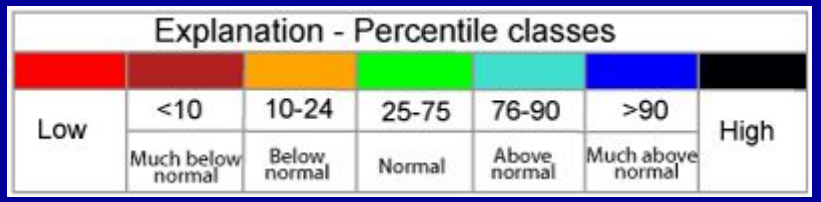
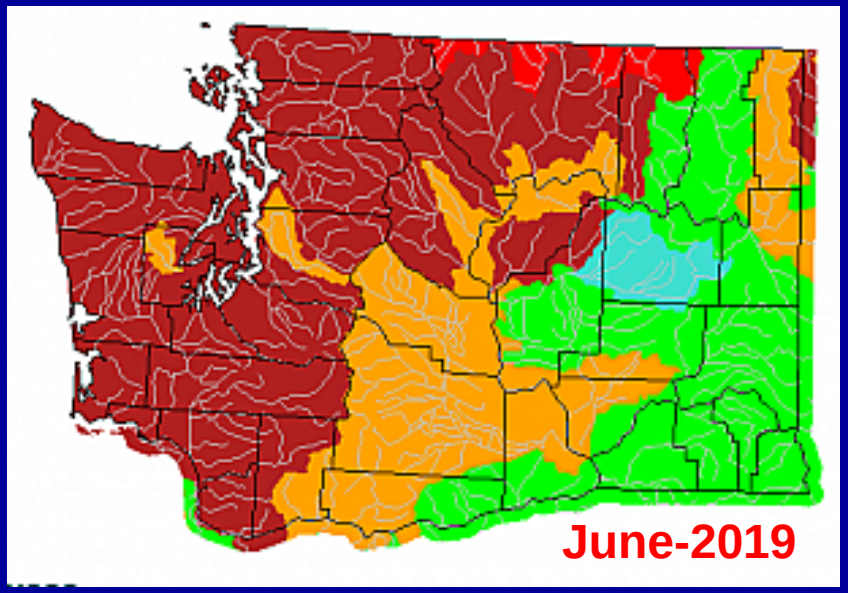
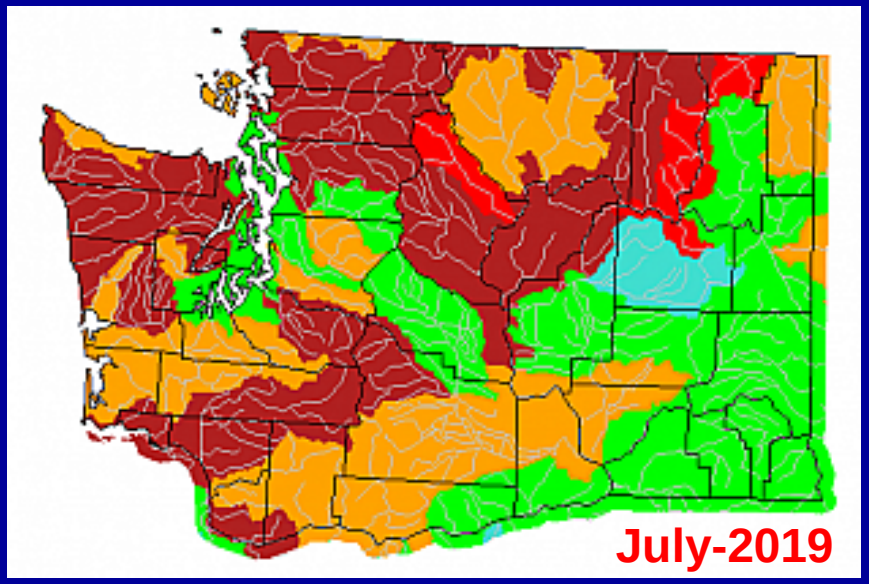
July 2015 and June and July 2019 Monthly Streamflow









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Groundwater Conditions

March 1, 2019 to August 8, 2019

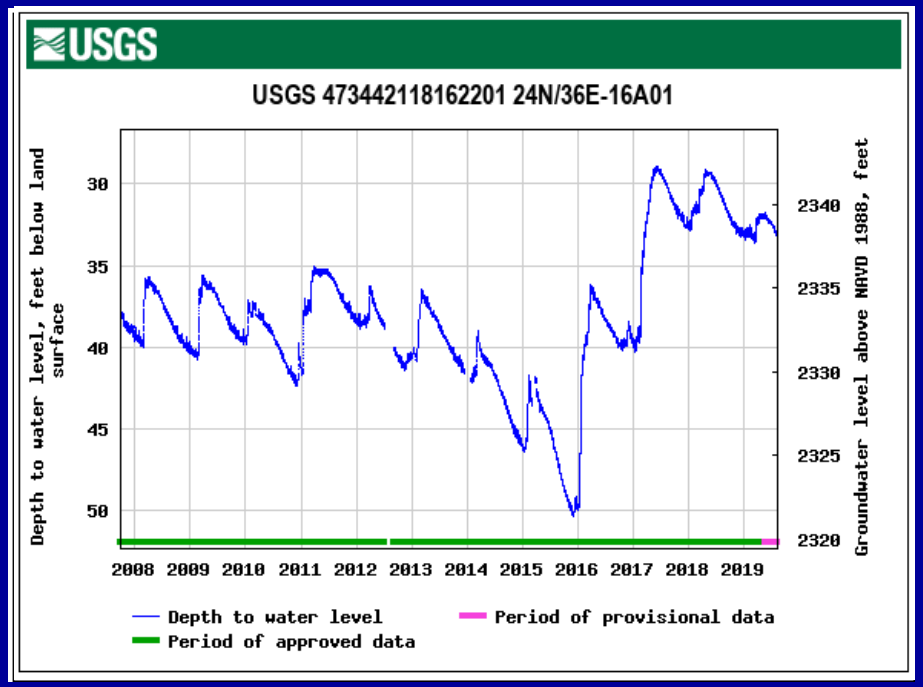
and Oct. 1, 2007 to August 8, 2019

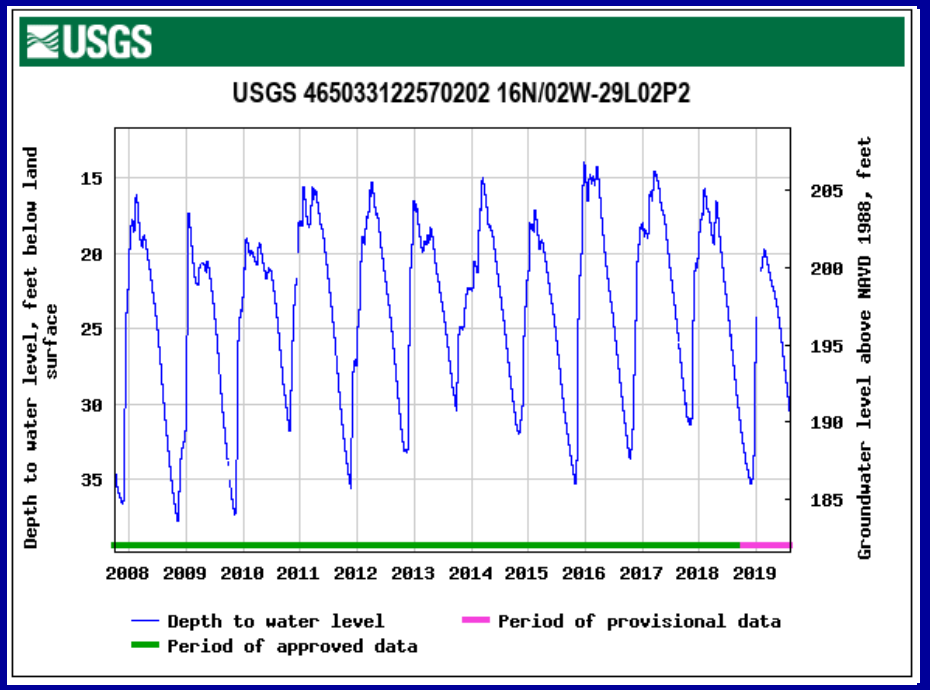
Davenport well

- 117-ft deep
- Wanapum Basalt

Scatter Creek well

- 82-ft deep
- Sand and gravel





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Summary
Streamflow and Groundwater Conditions as of August 7-8, 2019

- ✓ **7-day average streamflow** showed some improvement on the west side over the June 6th assessment—mostly in the categories of **Much below normal** to **normal.** East flank of Cascades are showing relatively less flow since June—mostly **Much Below Normal to Below Normal.** The Southeast portion of the state was mostly **Normal to Above normal** for this time of the year.

- ✓ As of August 6th, daily mean streamflow is at **Normal and Above** at 45 percent of the 152 reporting streamflow sites.

- ✓ **7-day average streamflow at eight index gaging stations:**

  - West side had four **Below Normal**, and one **Normal**
  - East side had a site in each of the categories, **Below Normal**, **Normal** and **Above Normal**.

- ✓ **Groundwater level** in the eastern Washington well showed a gradual drop over the last month, but is still above the long-term normal. The Scatter Creek well levels have been slowly dropping over the last couple of months and it is a bit lower than where it usually is this time of year.

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