

Streamflow Conditions in Washington State

June 24, 2021

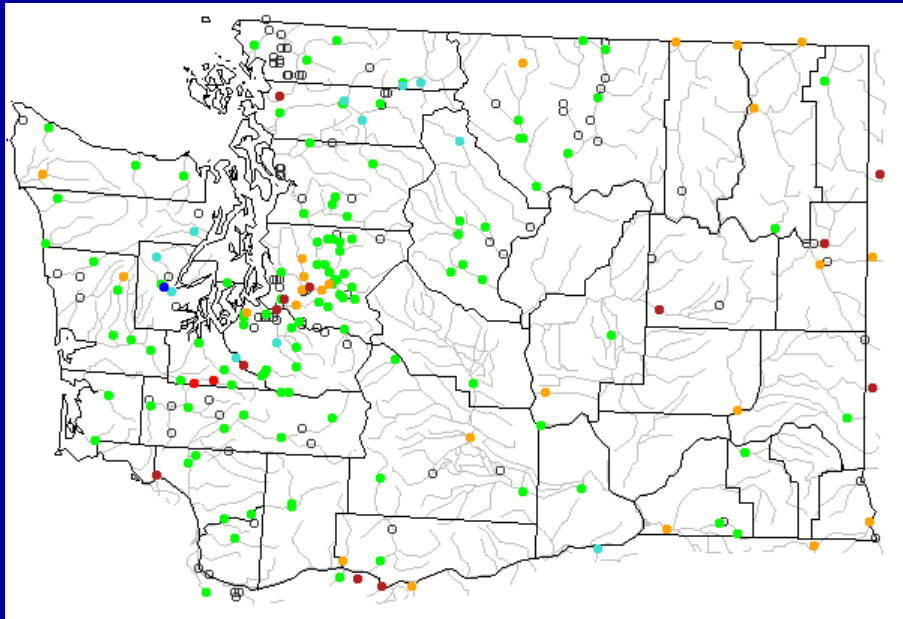
**Presented
to
The Washington State
Water Supply Availability Committee
on
June 25, 2021**

**by
Rick Dinicola
Associate Director, USGS Washington Water Science Center**

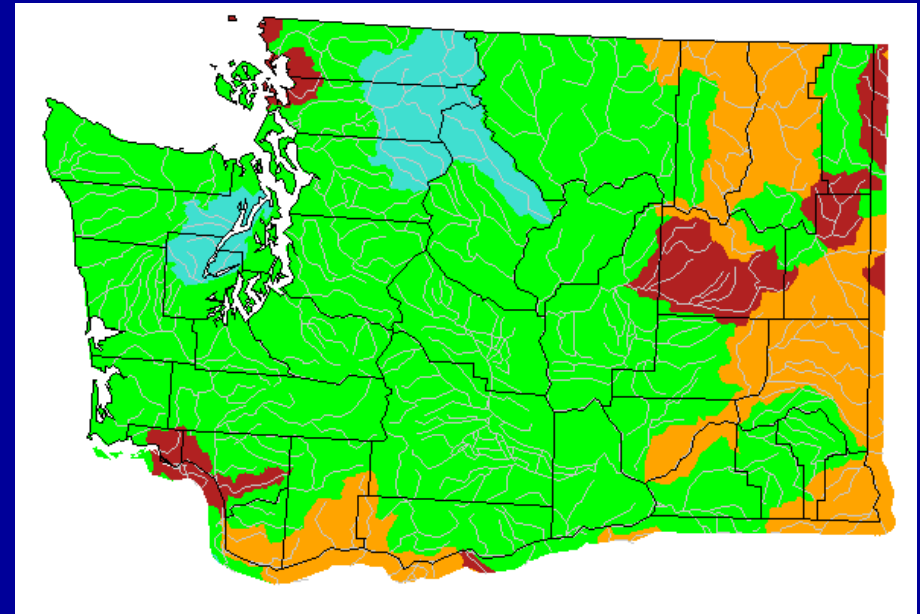
7-day avg streamflow compared to normal

June 17-23, 2021

By station



By basin (HUC)

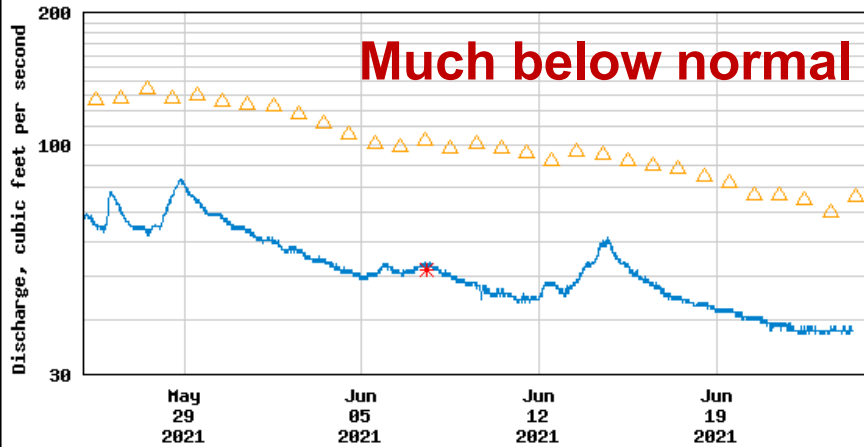


| Explanation - Percentile classes | | | | | | | |
|----------------------------------|-------------------|--------------|--------|--------------|-------------------|------|------------|
| | | | | | | | |
| Low | <10 | 10-24 | 25-75 | 76-90 | >90 | High | Not-ranked |
| | Much below normal | Below normal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

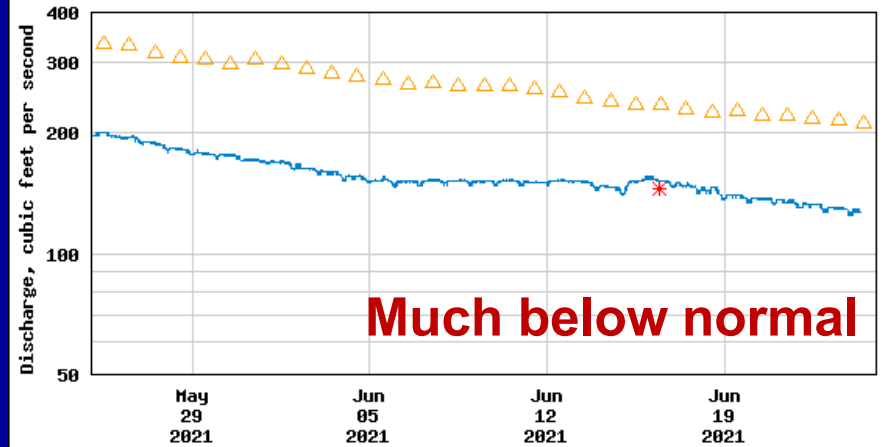
West-side and east-side hydrographs



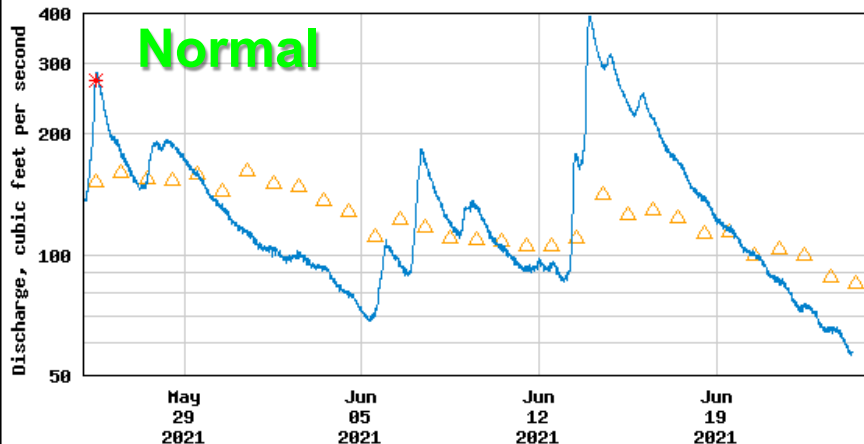
USGS 12201500 SAMISH RIVER NEAR BURLINGTON, WA



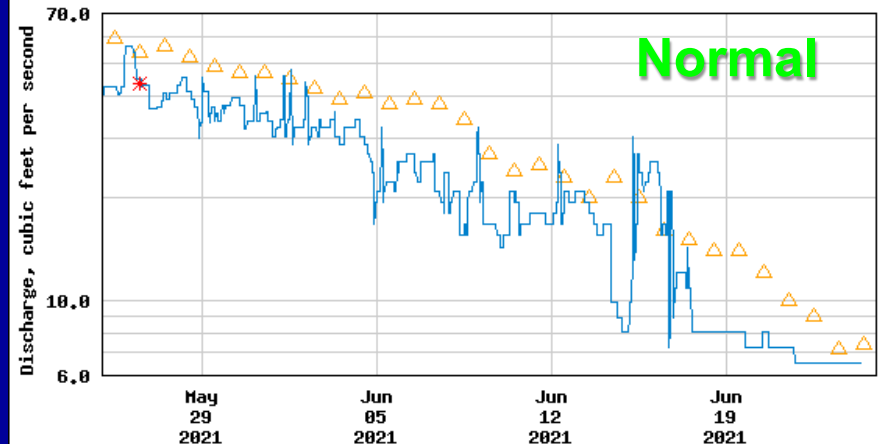
USGS 12431000 LITTLE SPOKANE RIVER AT DARTFORD, WA



USGS 12087000 MASHEL RIVER NEAR LA GRANDE, WA



USGS 14015000 MILL CREEK AT WALLA WALLA, WA

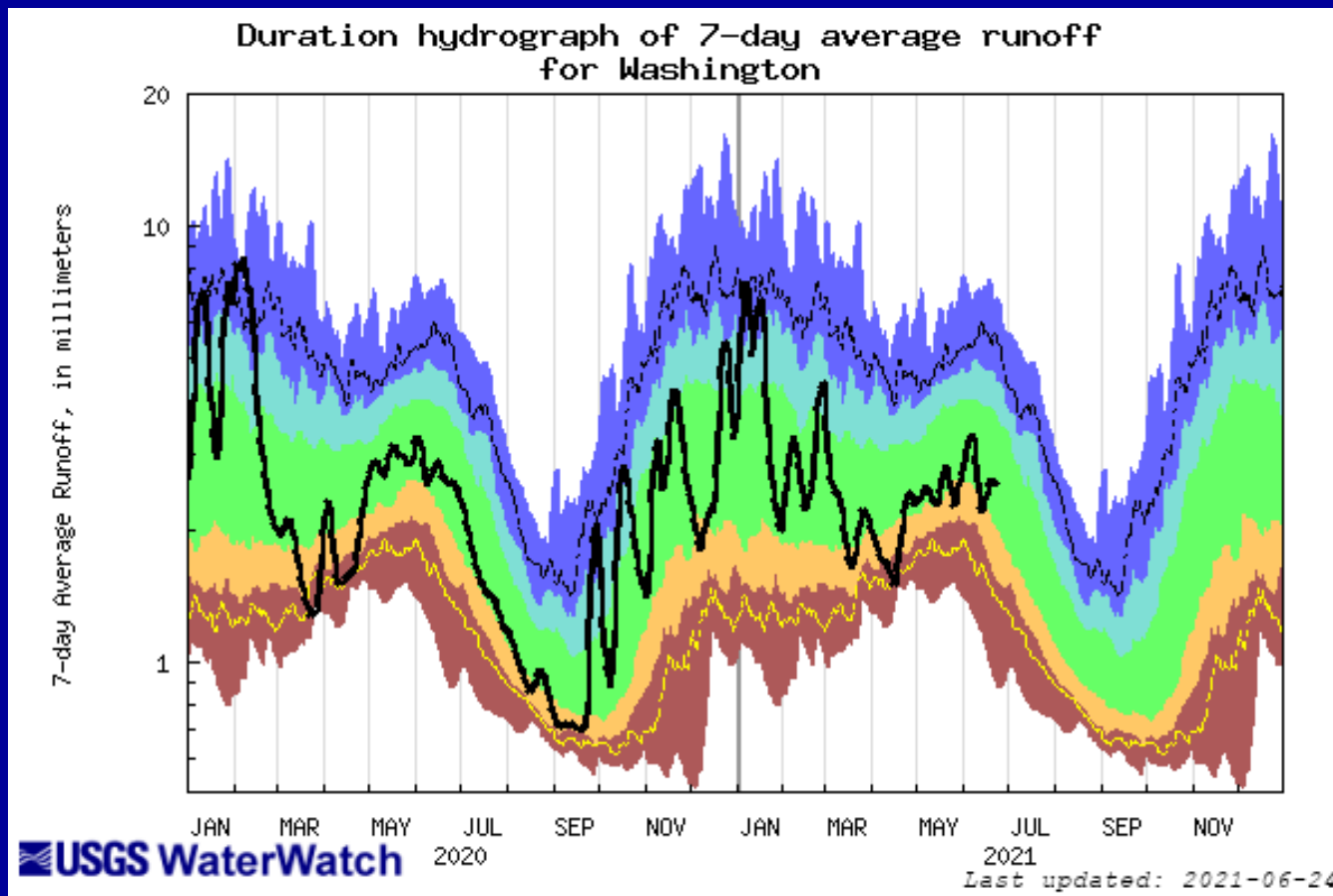


----- Provisional Data Subject to Revision -----

△ Median daily statistic (79 years) * Measured discharge
— Discharge

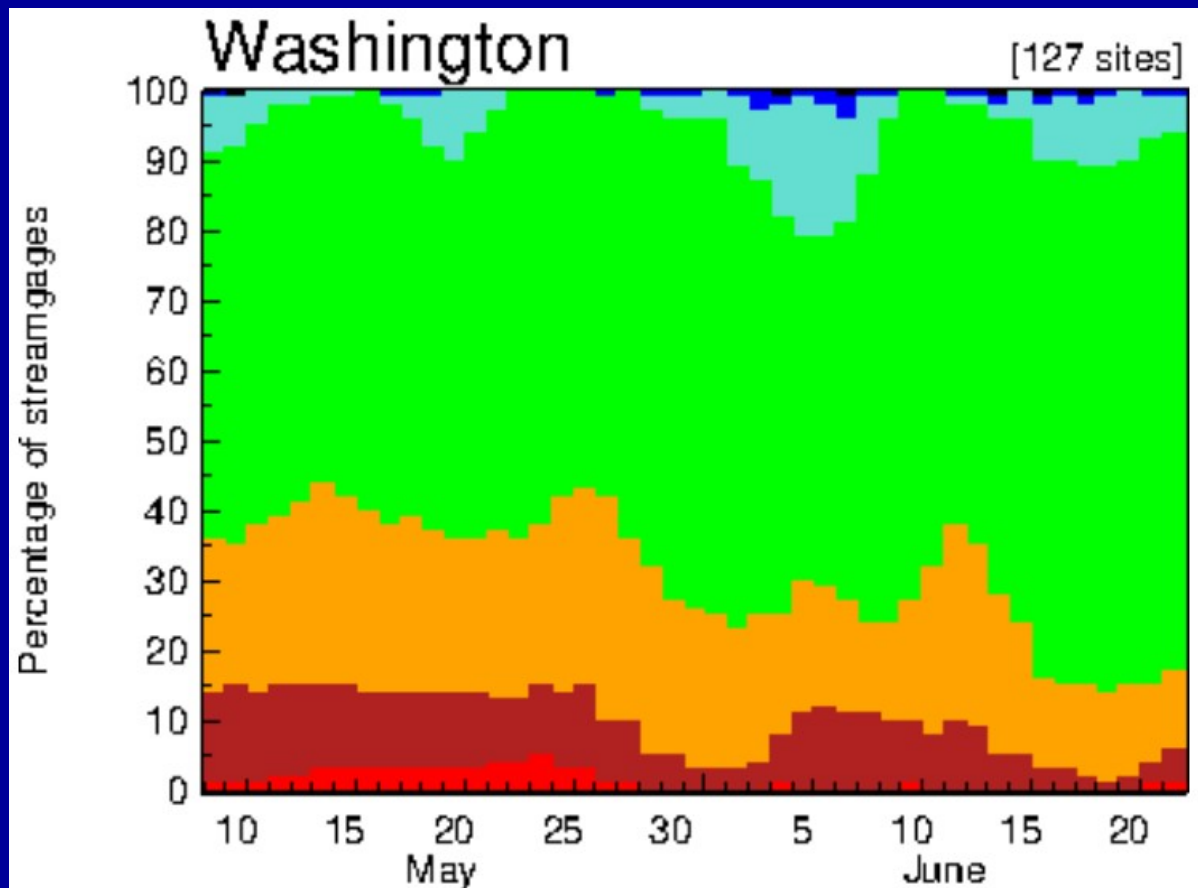
Duration Hydrograph, Washington State

7-day avg streamflow



| 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 |

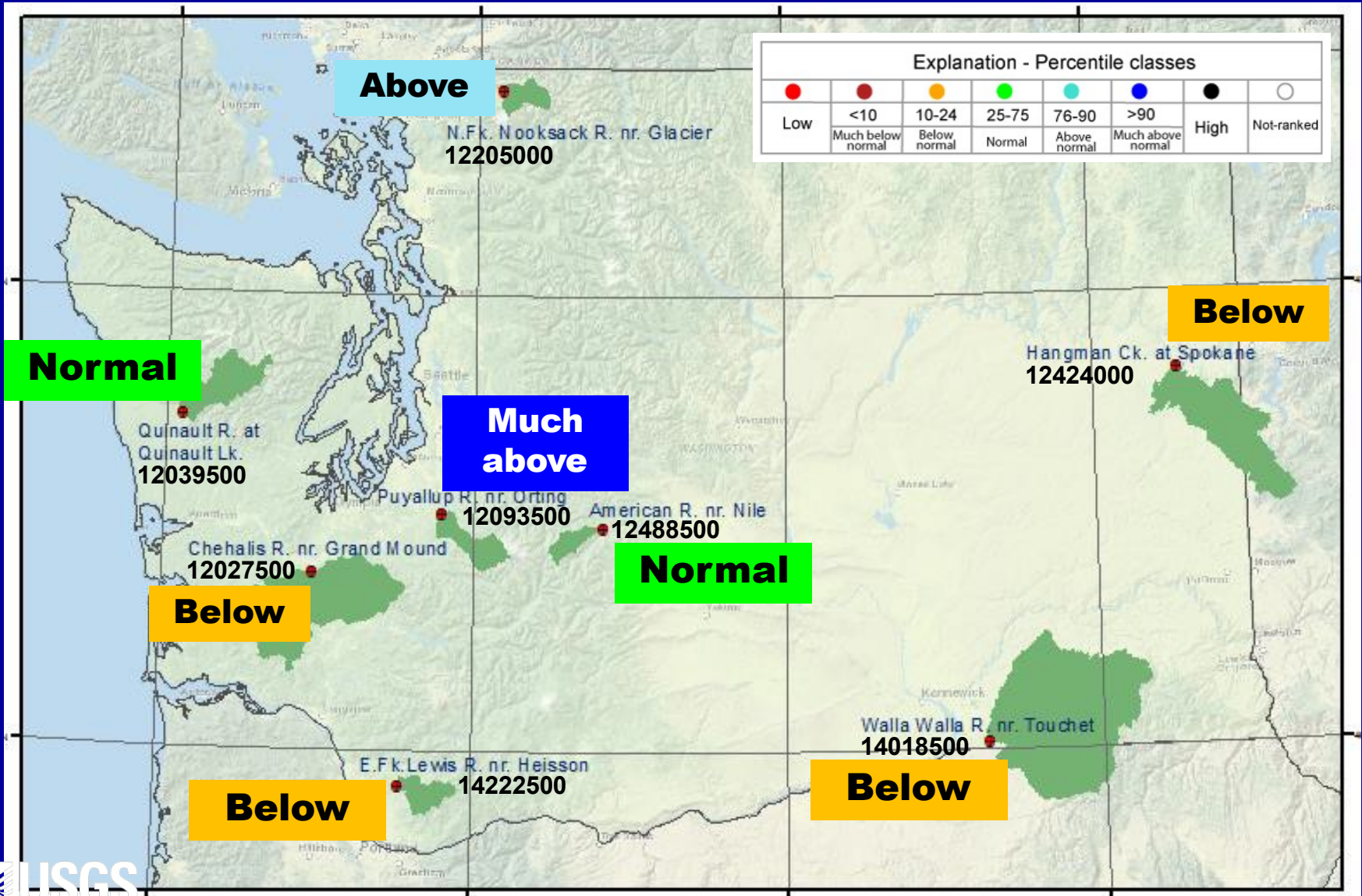
Percent of stations compared to normal 7-day avg streamflows



| 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 |

Index Gaging Stations 7-day avg streamflow

June 24, 2021



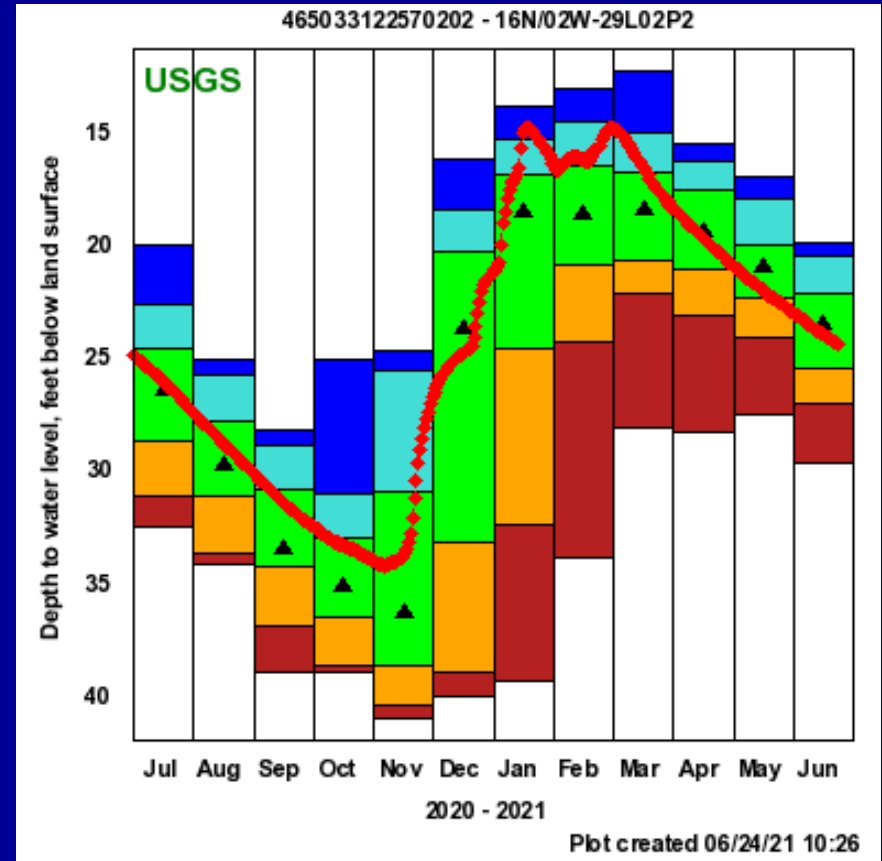
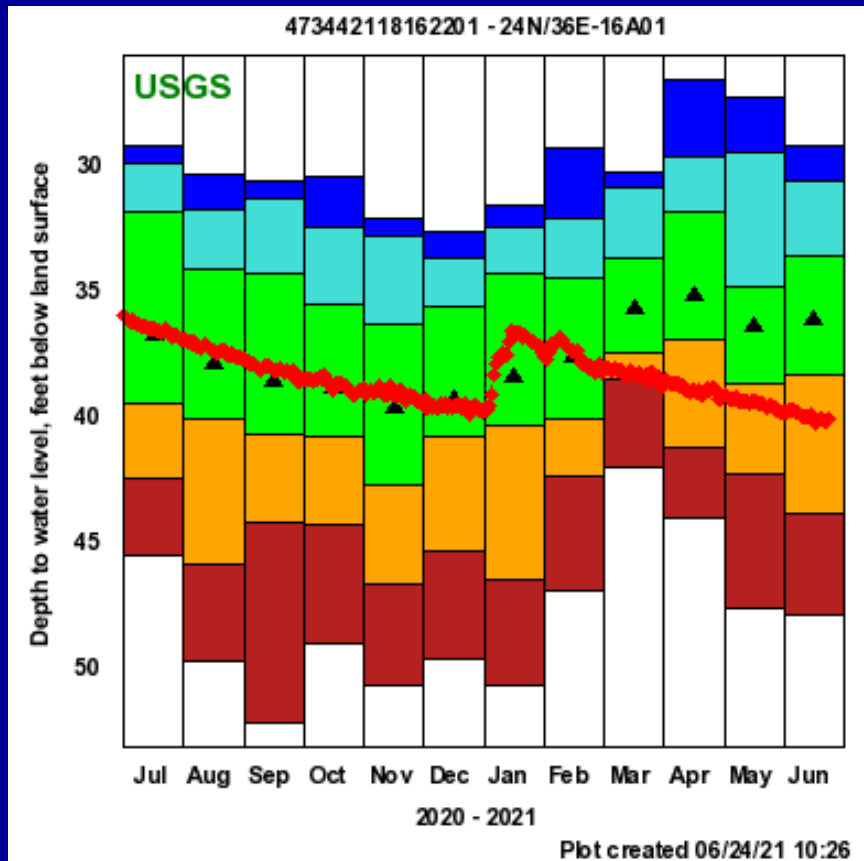
Groundwater Conditions, June 24, 2021

Davenport well (east)

- 117-ft deep
- Wanapum Basalt

Scatter Creek well (west)

- 82-ft deep
- Sand and gravel



Summary

Streamflow Conditions as of June 24, 2021

- Statewide streamflows in late June are largely normal...but highly variable... following the mid-June precipitation.
 - below normal flows persist across the southern and eastern parts of the state
- Groundwater levels at Davenport (east) are below normal following a dry late winter/spring
- Groundwater levels at Scatter Creek (west) are back to normal following a wet winter