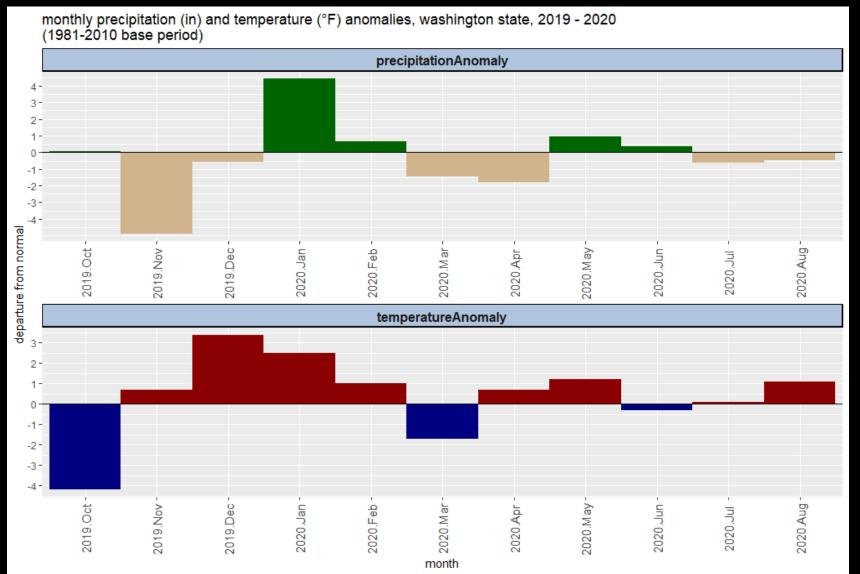


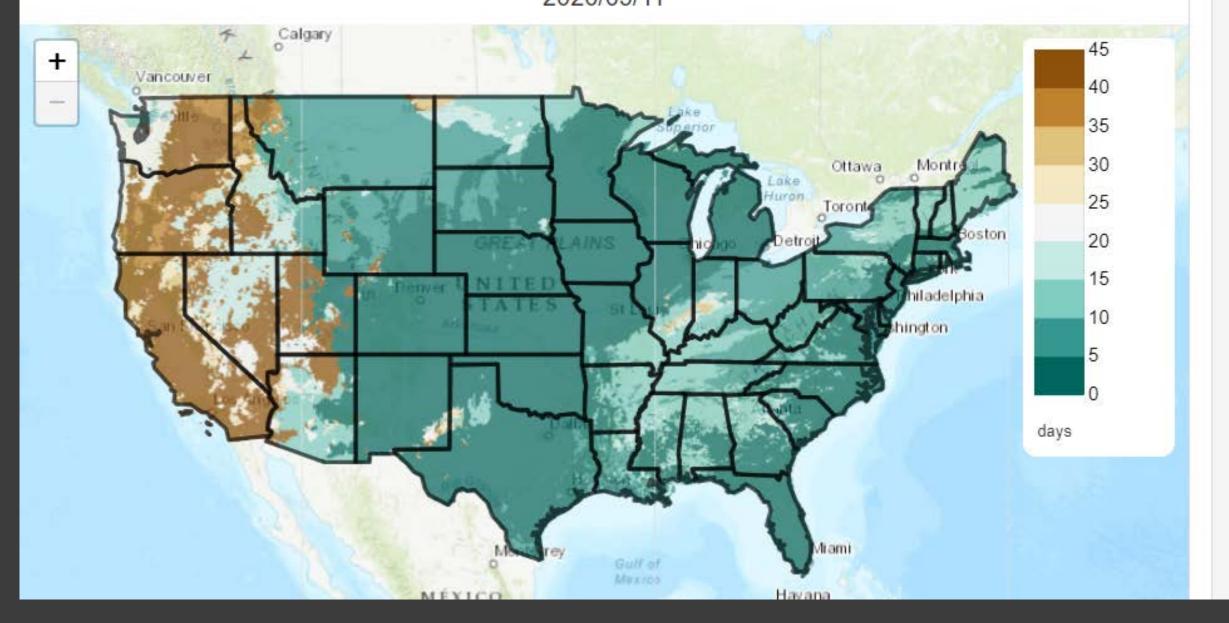
Water Supply Update Water Resources Advisory Committee September 14, 2020

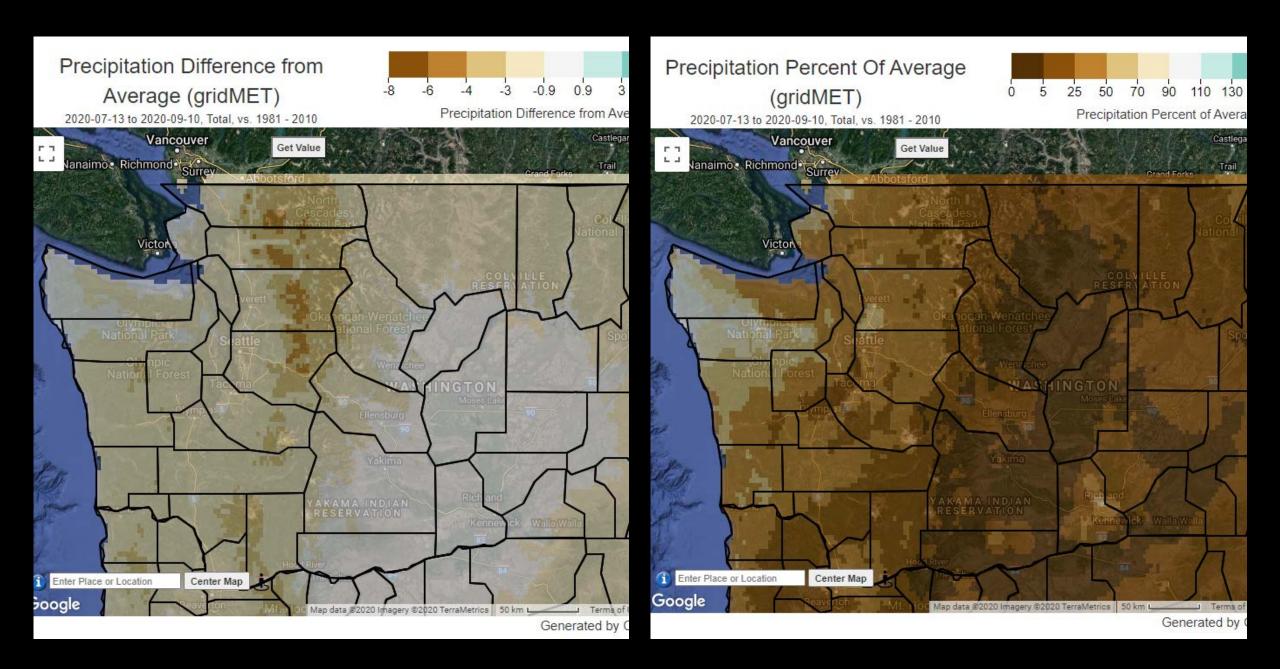
Jeff Marti, Water Resources Program

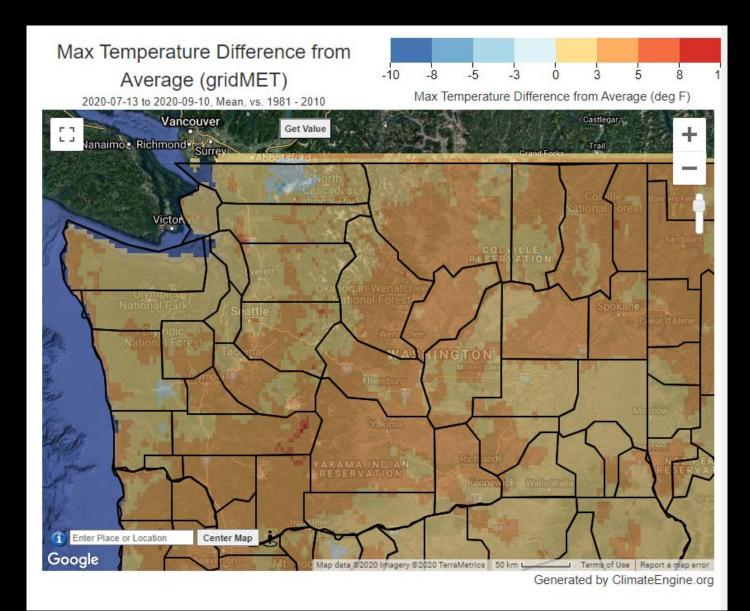


data: NCEI; chart by Jeff Marti WDOE

Days Since Precipitation ≥0.1" (days) 2020/09/11

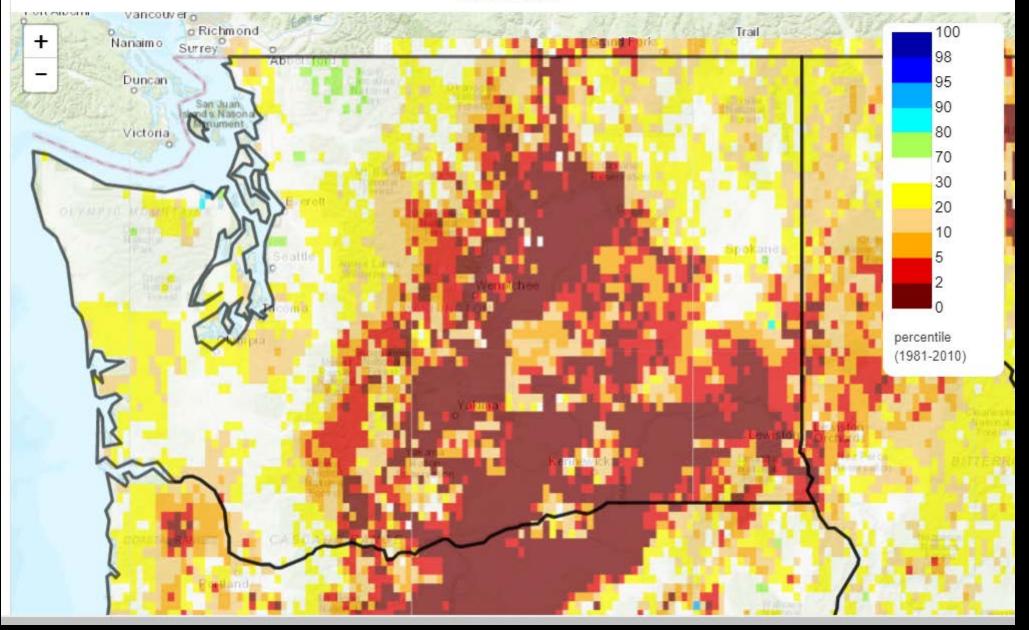


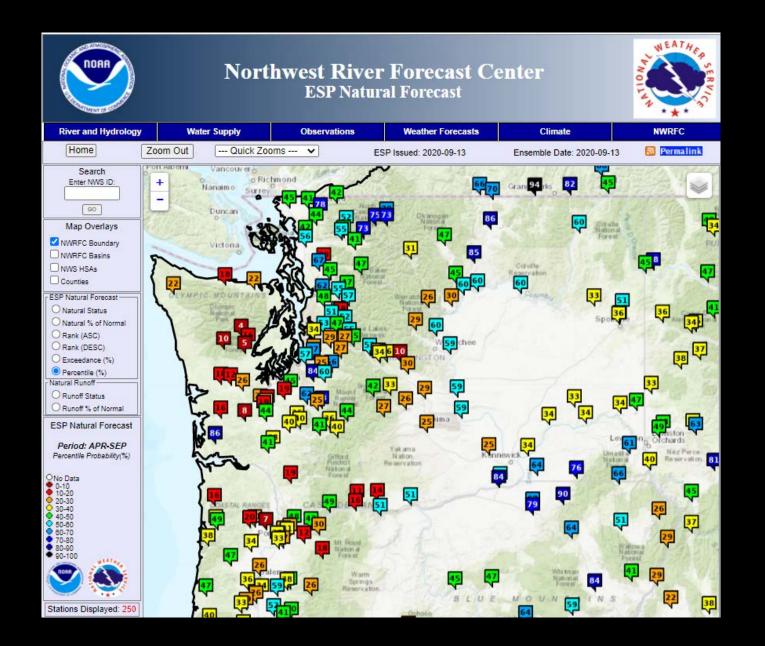




Soil Moisture Percentile

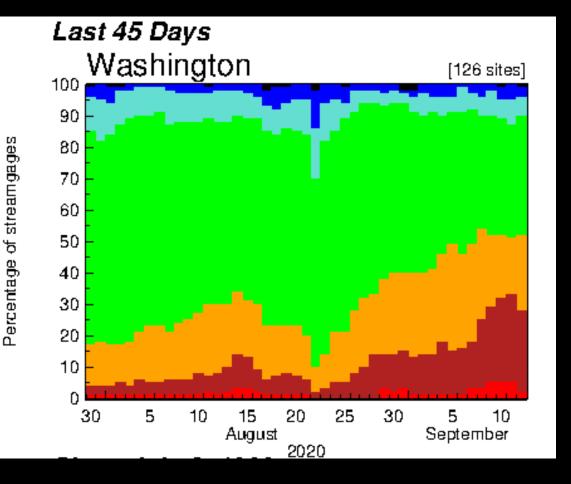
2020/08/30

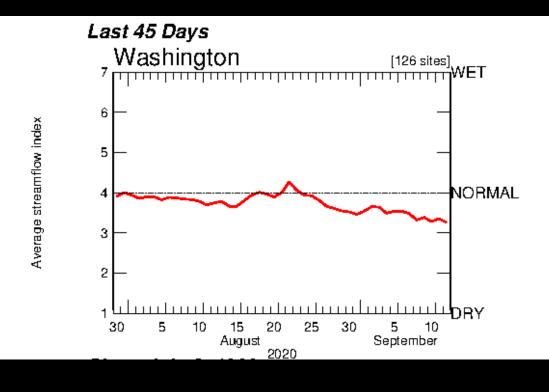




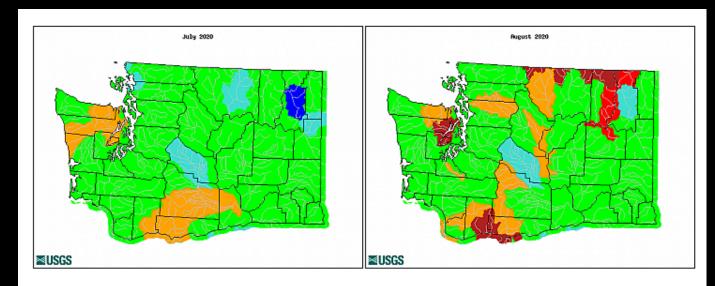
Statewide Streamflow Percentile

Statewide Streamflow Index





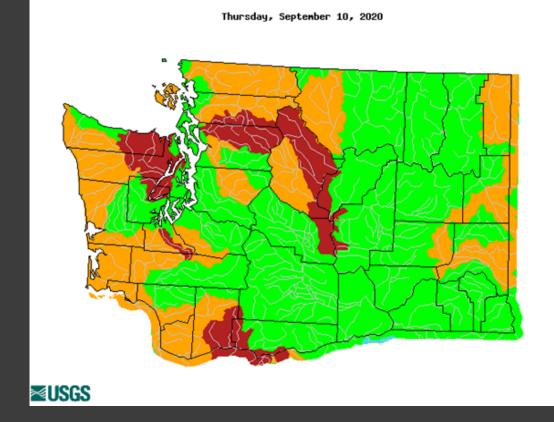
Monthly Average Streamflow Percentile: July vs August



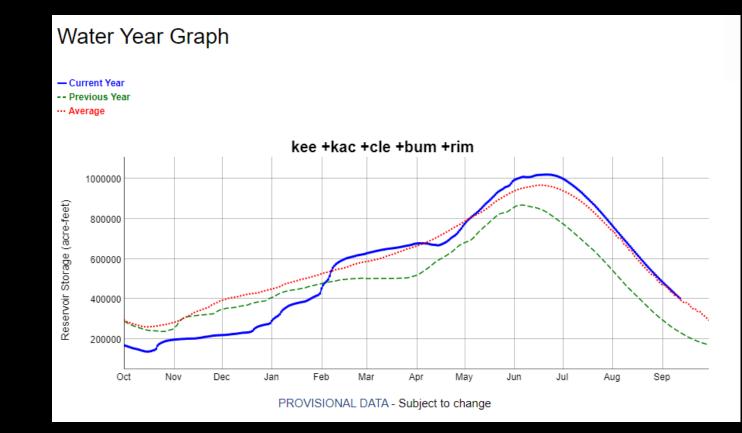
Explanation - Percentile classes								
Low	<10	10-24	25-75	76-90	>90	High	No Data	
LOW	Much below normal	Below normal	Normal	Above normal	Much above normal			

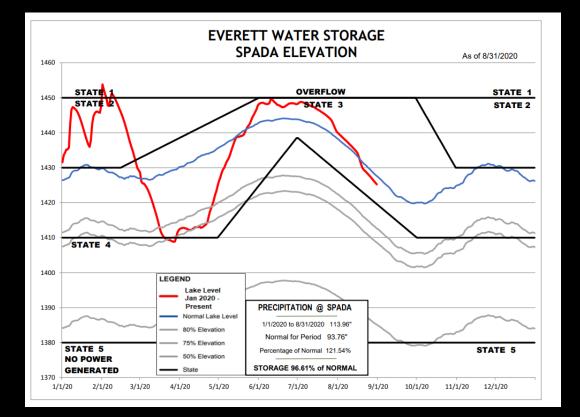
14 day average Streamflow (Sept 10, 2020)

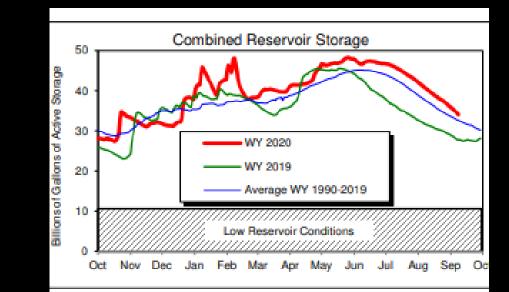
Summary of the	percentage of				
streamgages in each class					
Region:	Washington				
Date:	20200910				
Low:	2 %				
Much below normal:	21 %				
Below normal:	27 %				
Normal:	43 %				
Above normal:	5 %				
Much above normal:	2 %				
High:	0 %				
No. of streamgages:	150				



Yakima System



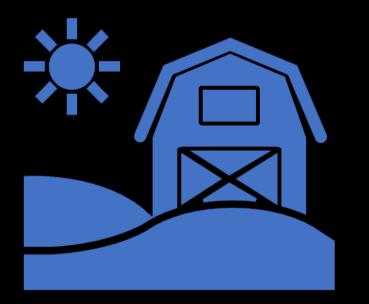




The combined reservoir storage of Chester Morse Lake, Masonry Pool, Lake Youngs and South Fork Tolt Reservoir is above the Ion erm average for this time of the year.

Water Systems Continued

- A quiet year with respect to water availability
- Some systems on the upper Olympic Peninsula have activated drought responses calling for voluntary water conservation (Clallam PUD, City of Port Angeles).
- Multiple systems on the east side are under boil-water orders due to fire damage/depressurizing of water system



Agriculture

- Production statistics won't be available until next year
- Reports of much decreased hay and alfalfa yields in Klickitat County
- Dept of Agriculture has noted that >135,000 of active fire areas overlaps with cropland, including some orchard areas
- Power outages from downed powerlines interrupt irrigation, but overall impact is not yet known

Curtailment

Northwest

- Skagit
- Nooksack

Southwest

- Chehalis/Newaukum (Late Spring but then conditions improved
- Satsop (5 junior users)
- Case-by-case water right limitations

Central

- Methow, Wenatchee, Entiat
- Skagit, Nooksack

Eastern

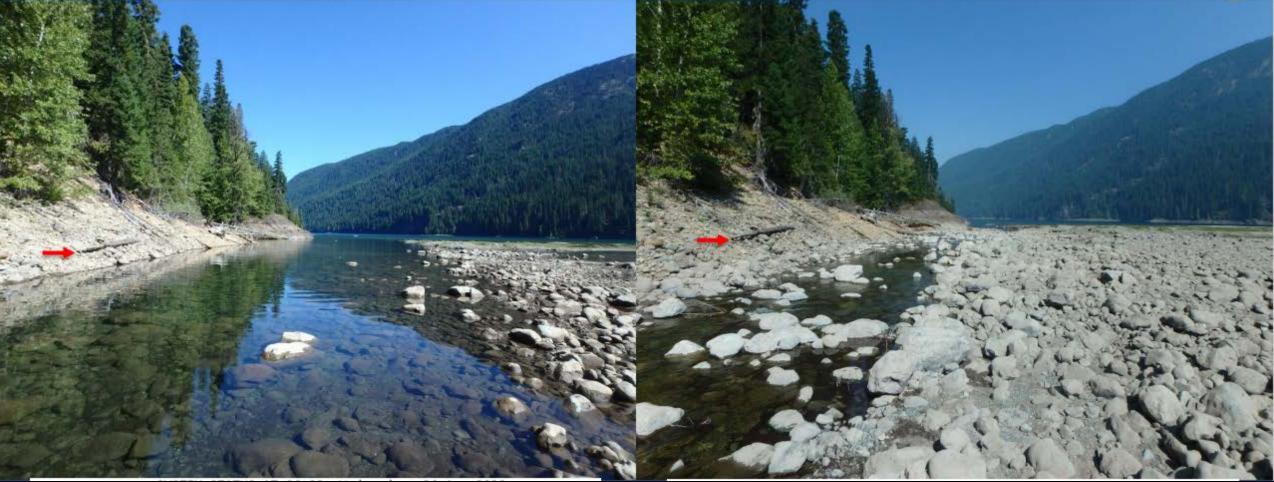
• Touchet

Box Canyon Creek





09/10/20



Summary

- Decent snowpack, mild spring made a huge difference for our summer
- Irrigated and stored water supplies fared well
- Dryland areas on east side have been stressed
- Small systems without storage also are being challenged in some areas
- Forecasts for La Nina conditions is great news for water supply, but effects on quarantining are an open question