

Water Supply Update

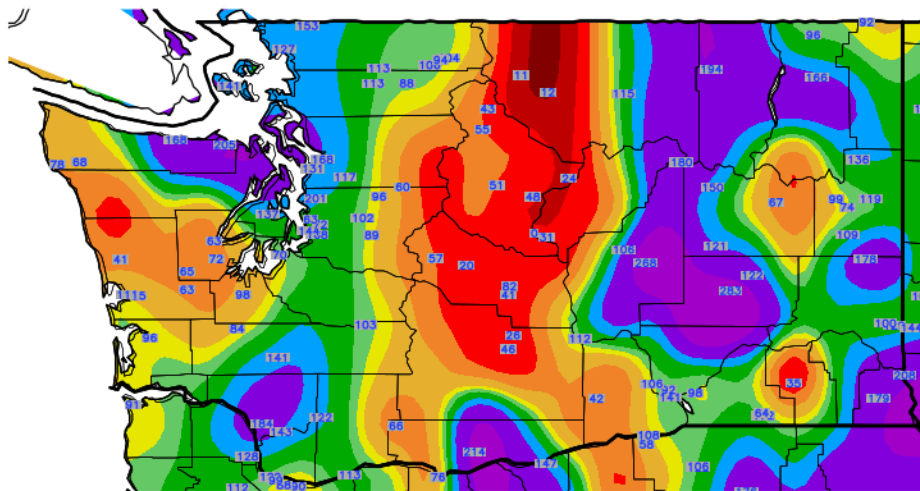
Water Resources Advisory Committee

July 13, 2020

Jeff Marti, Water Resources

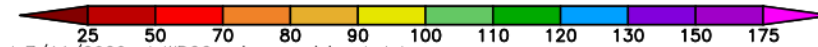
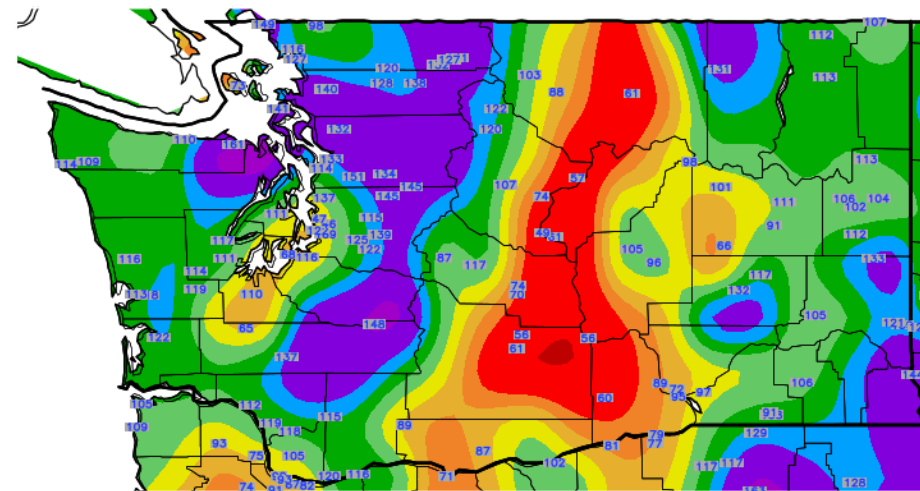


Percent of Average Precipitation (%)
6/11/2020 – 7/10/2020



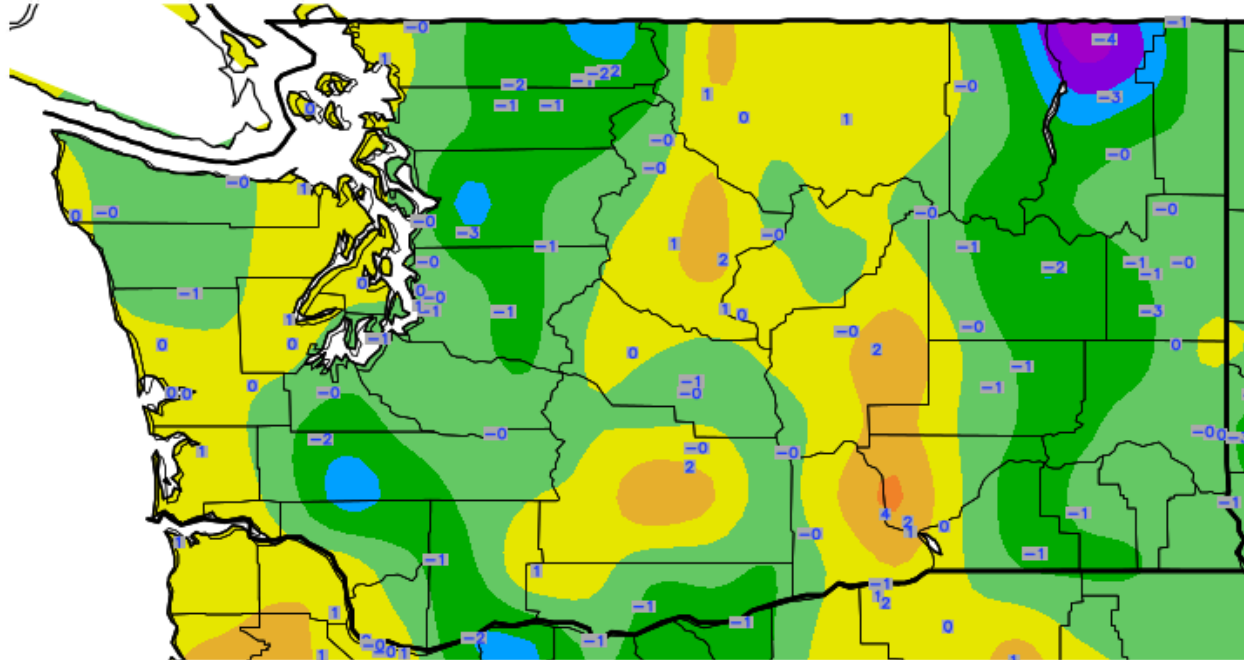
Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Percent of Average Precipitation (%)
1/1/2020 – 7/10/2020



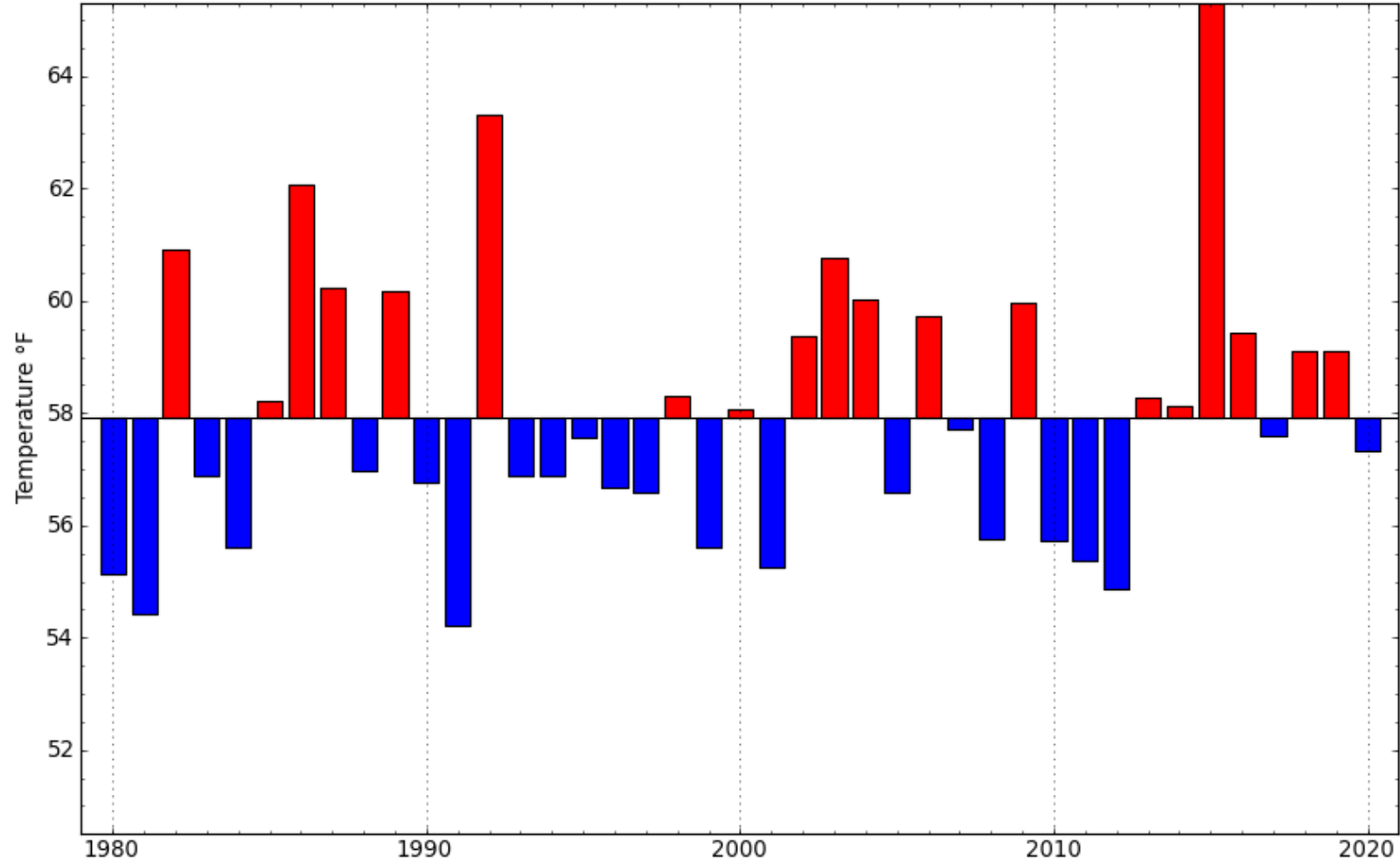
Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Ave. Temperature dep from Ave (deg F)
6/11/2020 – 7/10/2020



Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Mean Temperature, June
Washington

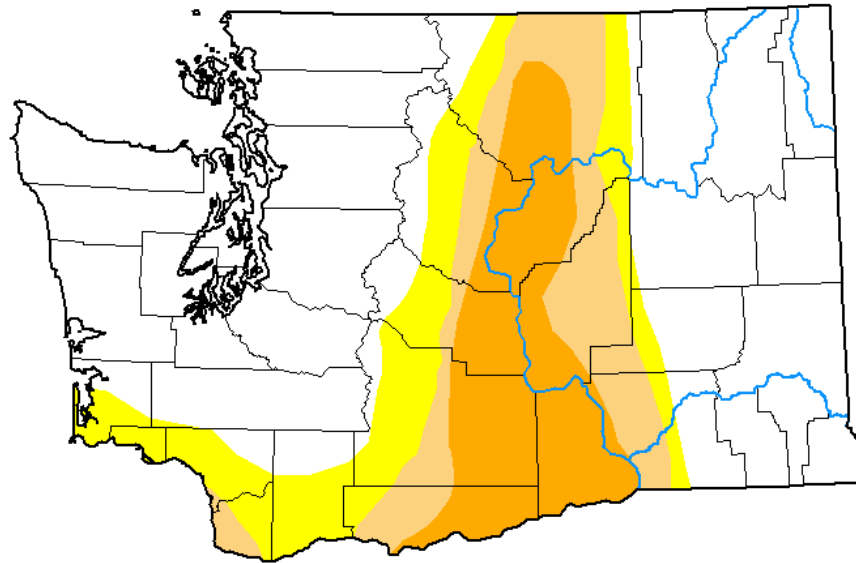


— Normal Period: 1981-2010

Data Source: WRCC/UI, Created: 7-13-2020

U.S. Drought Monitor Washington

July 7, 2020
(Released Thursday, Jul. 9, 2020)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

David Miskus
NOAA/NWS/NCEP/CPC

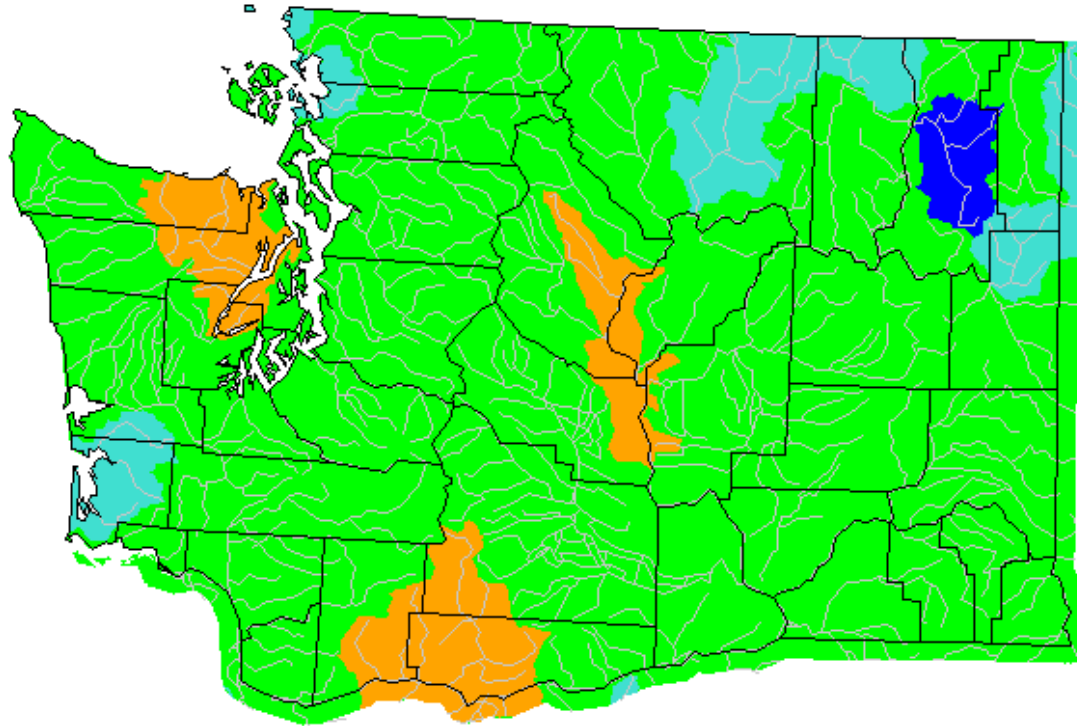


droughtmonitor.unl.edu

Map of 7-day average streamflow compared to historical streamflow for the day of the year (Washington)

Washington ▼ or Water-Resources Regions ▼ All Days

Saturday, July 11, 2020



~85 percent of USGS stations are at normal to above normal levels.

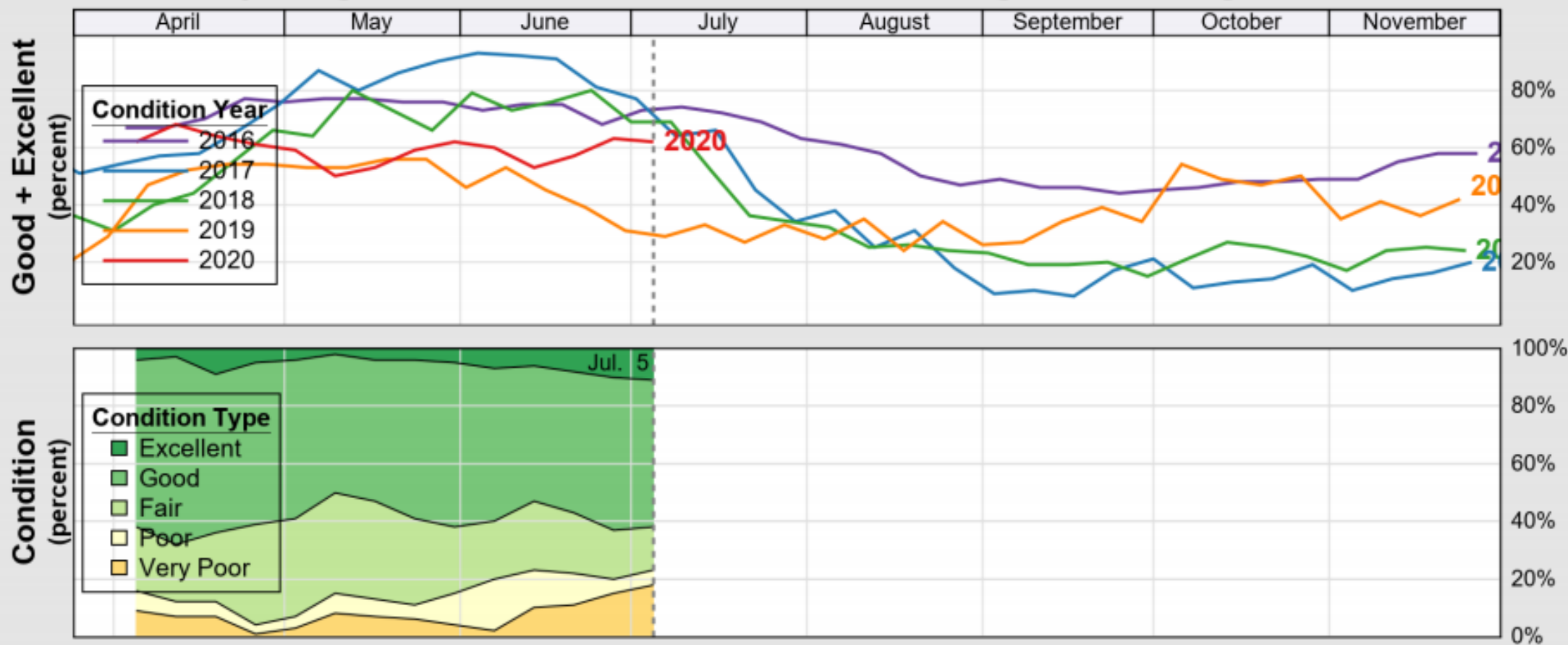


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

USDA

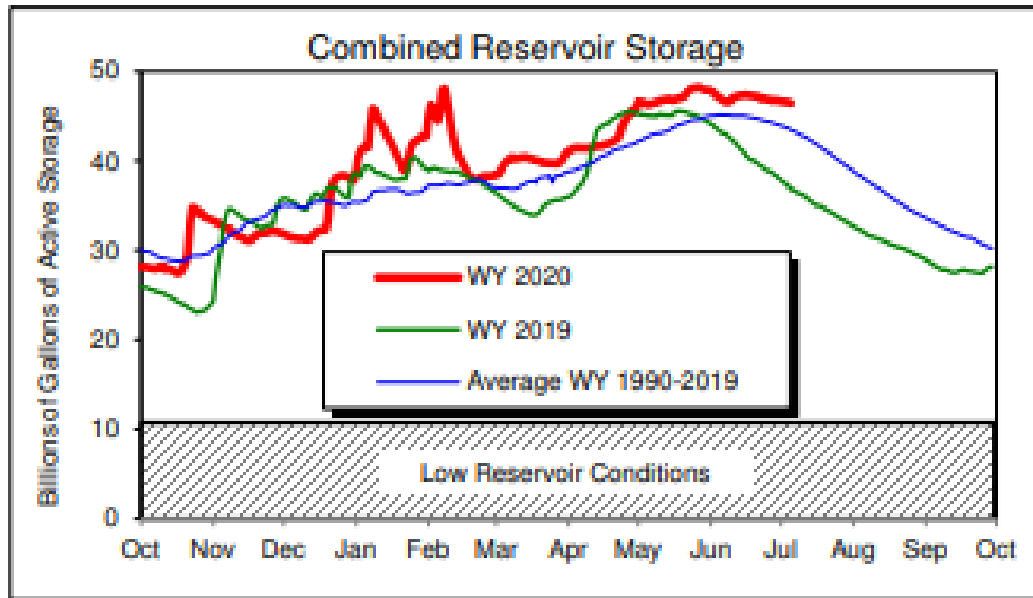
Crop Progress and Condition: Pasture and Range in Washington , 2020

NASS

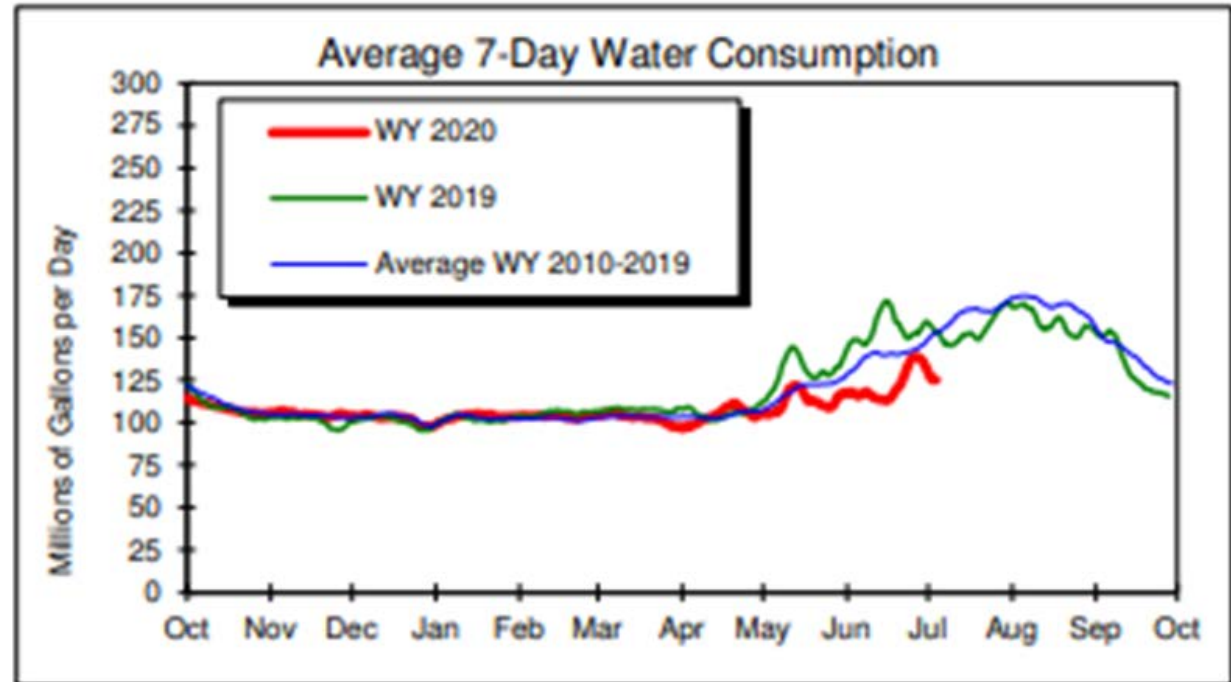


Source: National Agricultural Statistics Service (NASS), Crop Progress Report

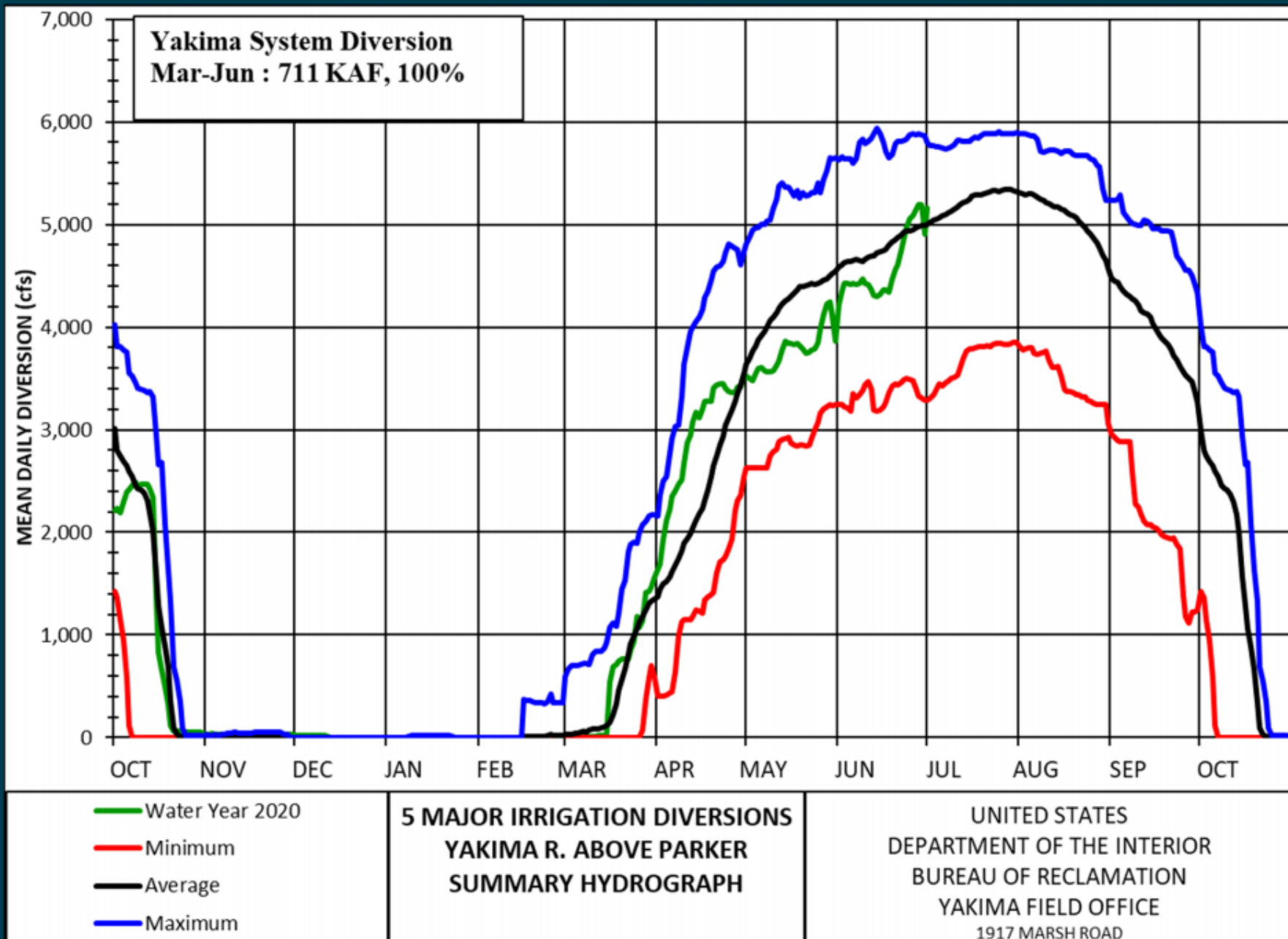
Seattle Water Supply



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

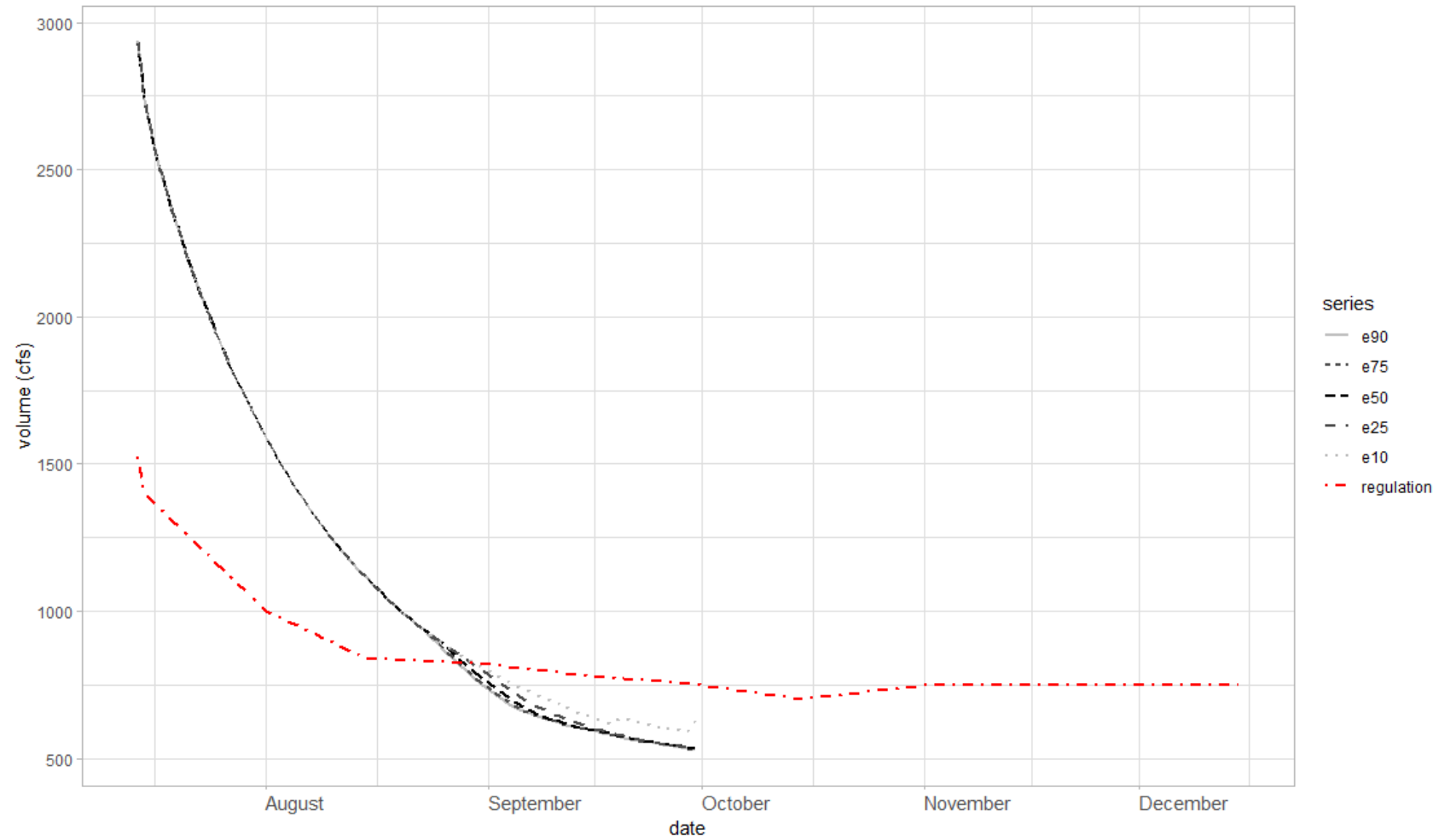


Water use over the past week averaged about 125 million gallons per day (mgd), which is less than the 153 mgd used during the same period over the years 2010-2019.



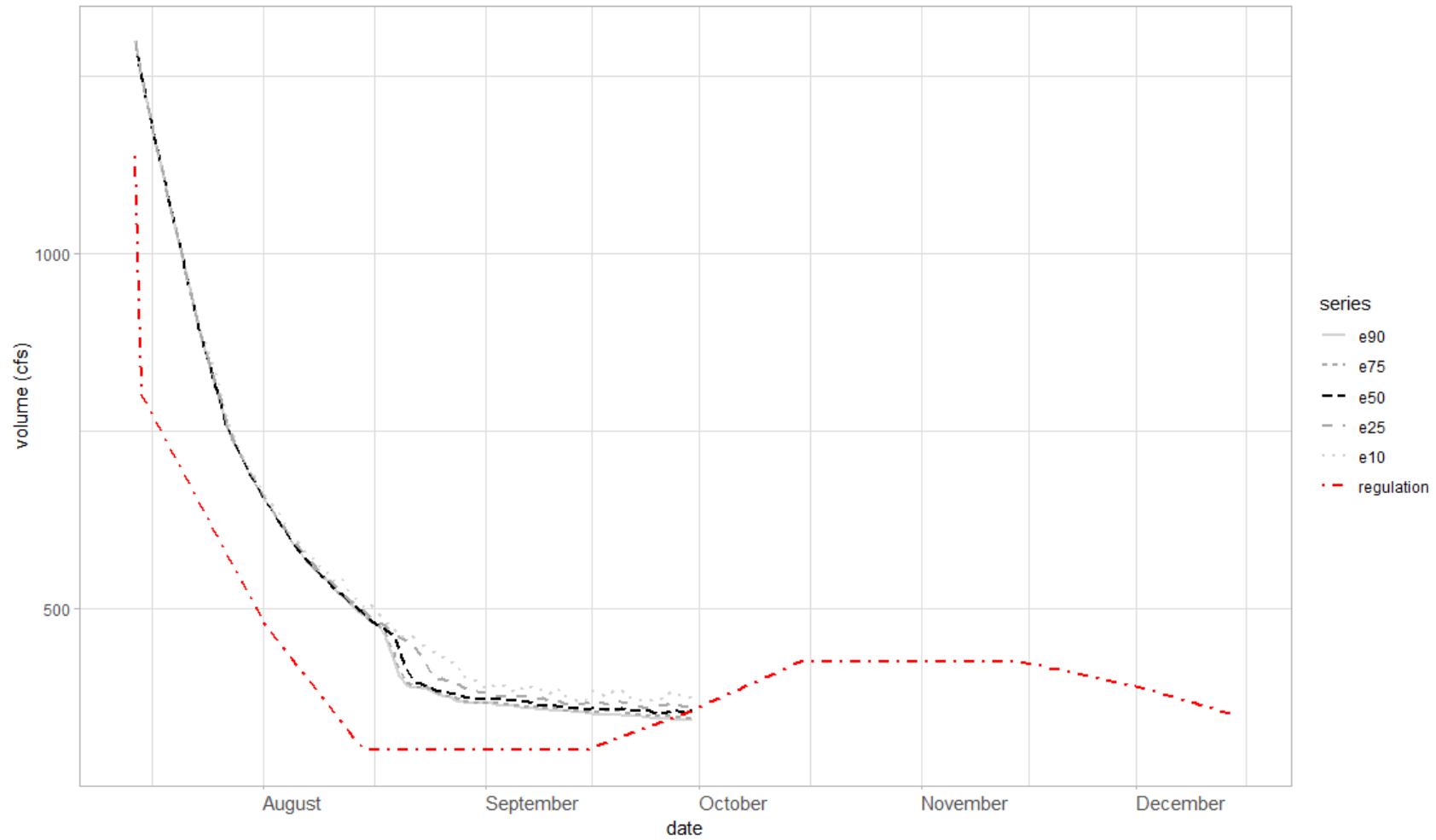
On July 9th, Yakima Project Bureau of Reclamation increased forecast for Total Water Supply Available to 100 percent from 92 percent.

2020-07-12 | ensemble forecast vs Wenatchee at Peshastin regulation flows



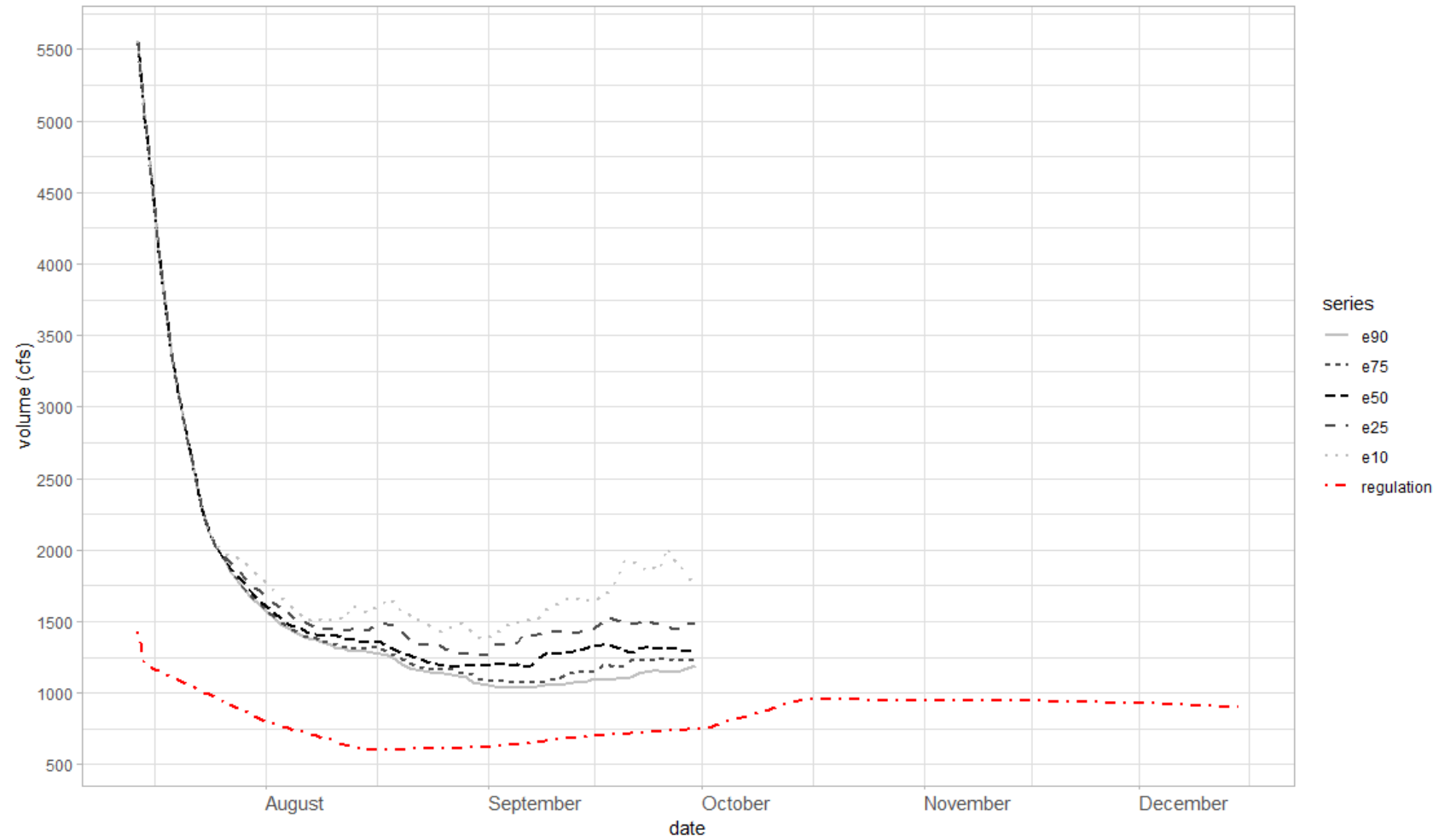
data: NWRFC (QINE file), WDOE

2020-07-12 | ensemble forecast vs Methow River nr Pateros regulation flows



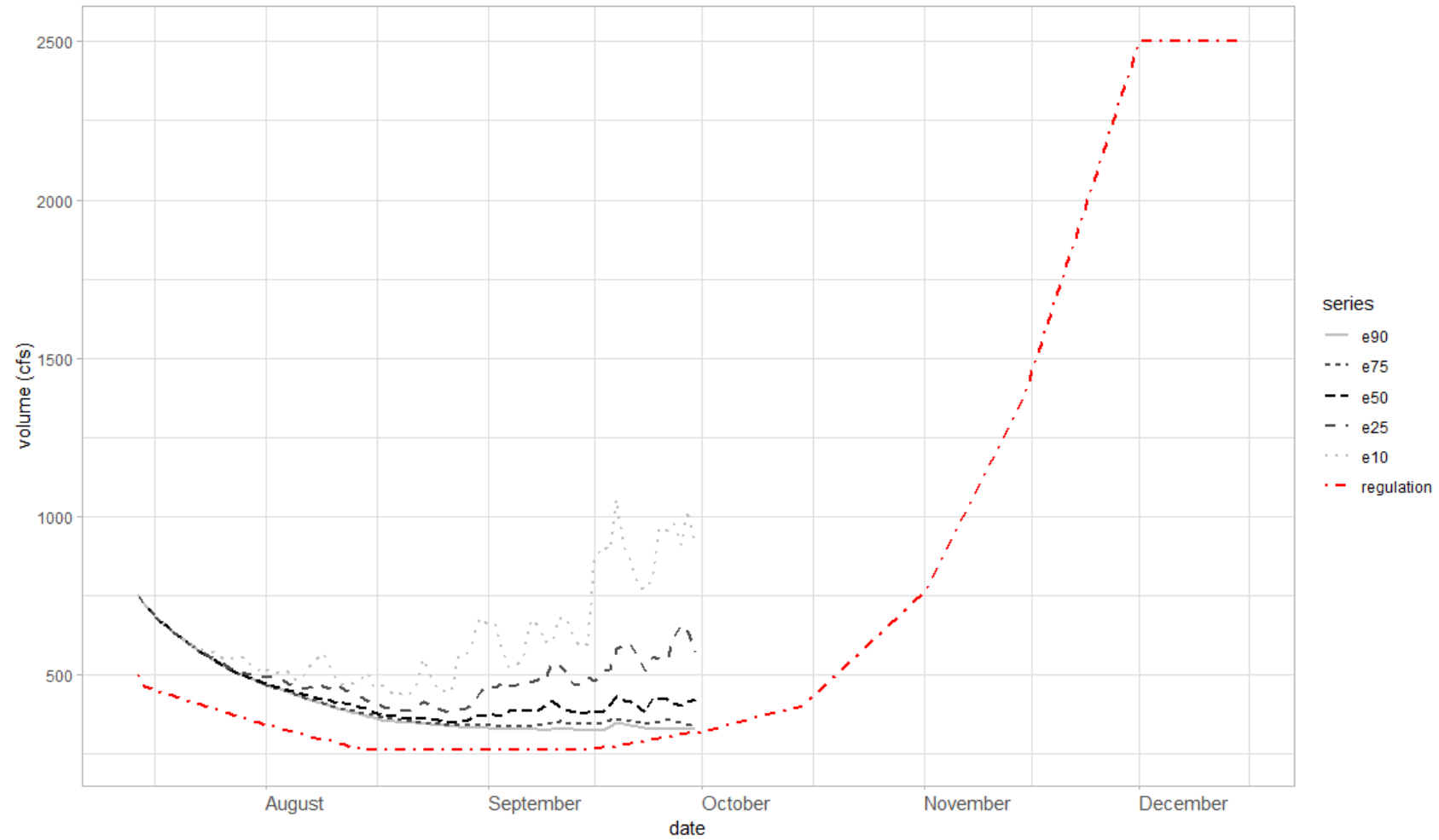
data: NWRFC (QINE file), WDOE

2020-07-12 | ensemble forecast vs Okanogan at Malott regulation flows



data: NWRFC (QINE file),WDOE

2020-07-12 | ensemble forecast vs Chehalis at Porter regulation flows



data: NWRFC (QINE file),WDOE

Wrap Up

1. The state of the water supply is good.
2. Still some divergence between water supply and dryland conditions
3. The days are getting shorter.

Thank you.

jeff.marti@ecy.wa.gov

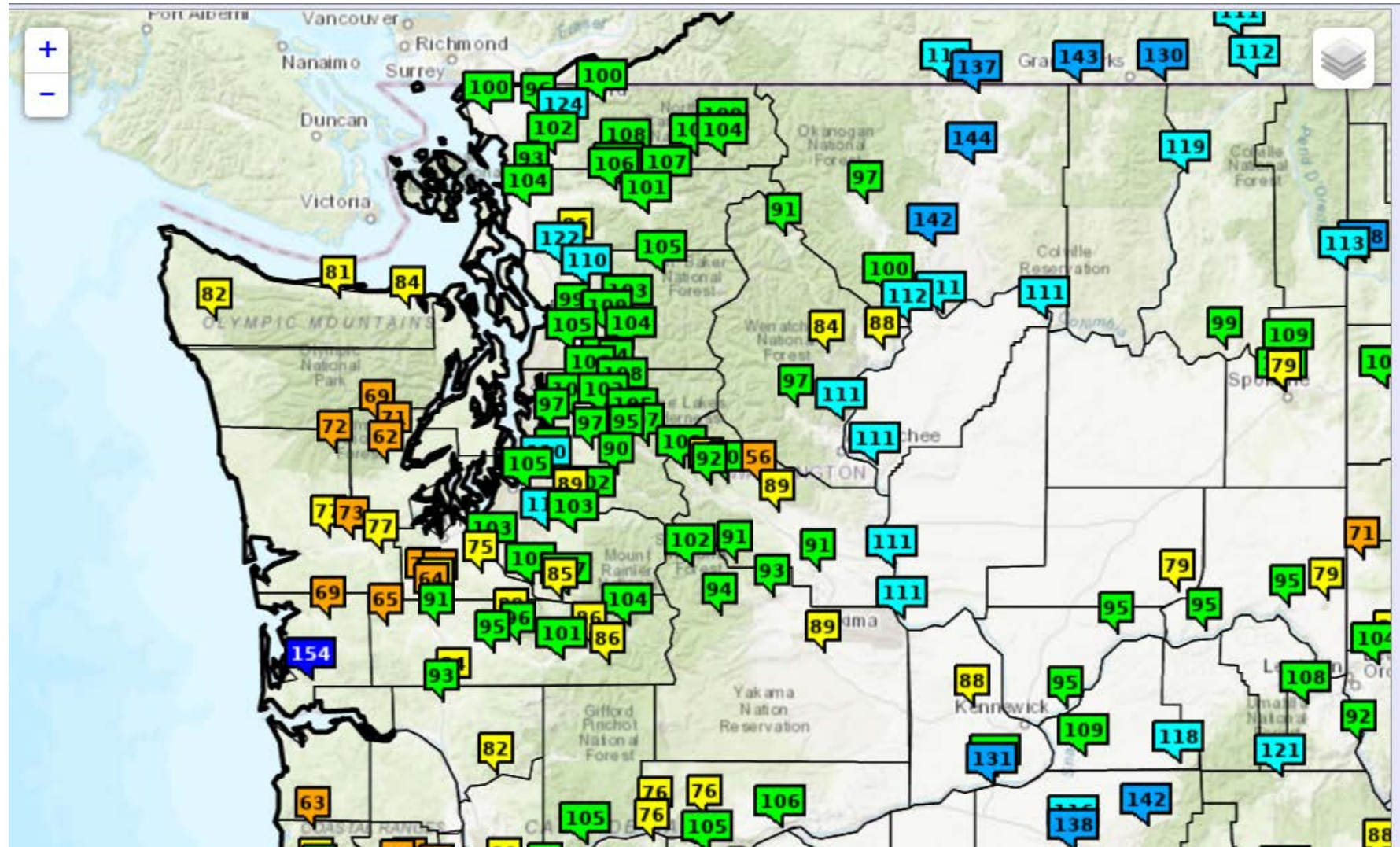
Northwest River Forecast Center

ESP Natural Forecast

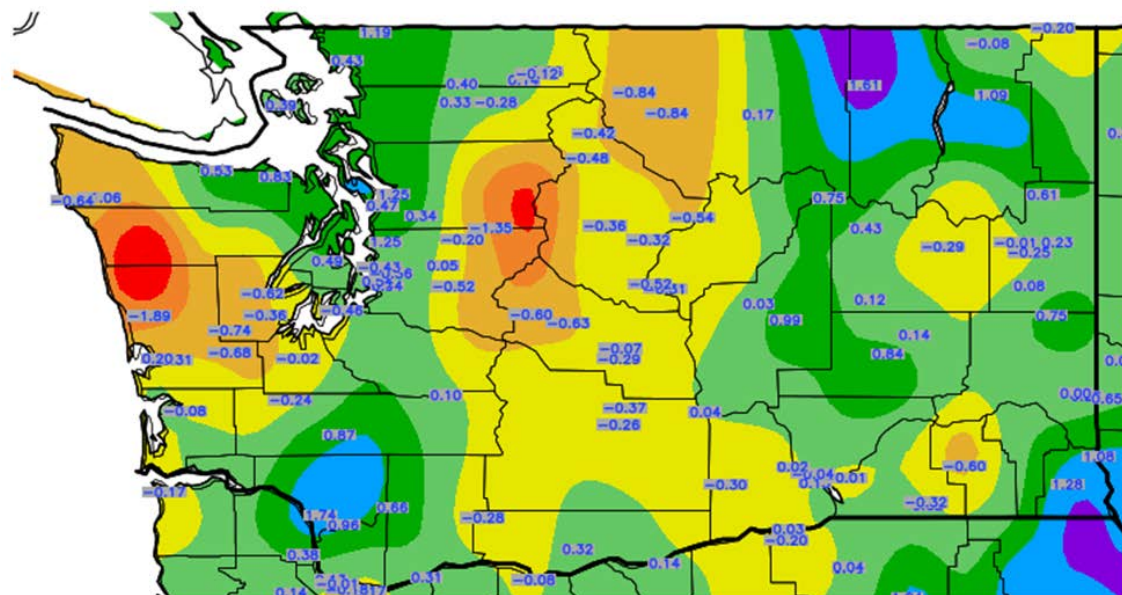
ESP Natural Forecast

Period: APR-SEP
Forecast (% Normal)

- No Normal, No Data
- < 25
- 25-50
- 50-75
- 75-90
- 90-110
- 110-125
- 125-150
- 150-175
- > 175

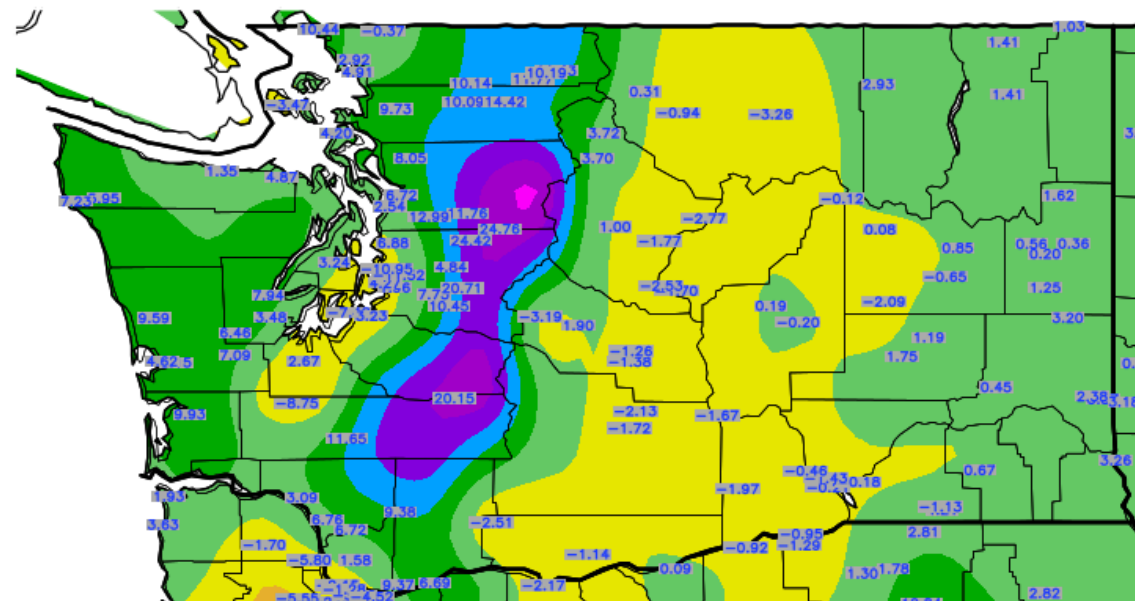


Precipitation Departure from Average (in.) 6/11/2020 – 7/10/2020



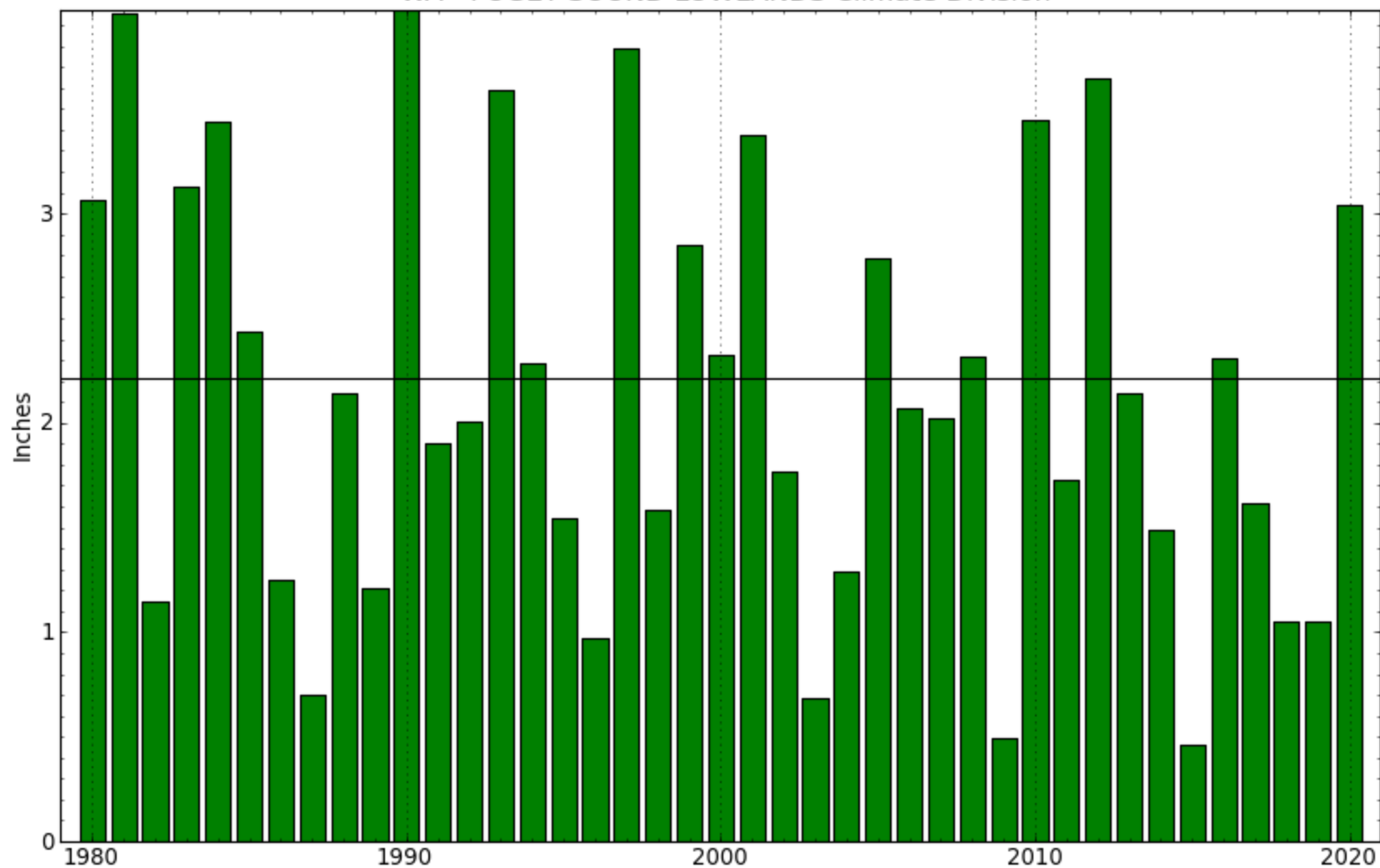
Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation Departure from Average (in.) 1/1/2020 – 7/10/2020



Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation, June
WA - PUGET SOUND LOWLANDS Climate Division



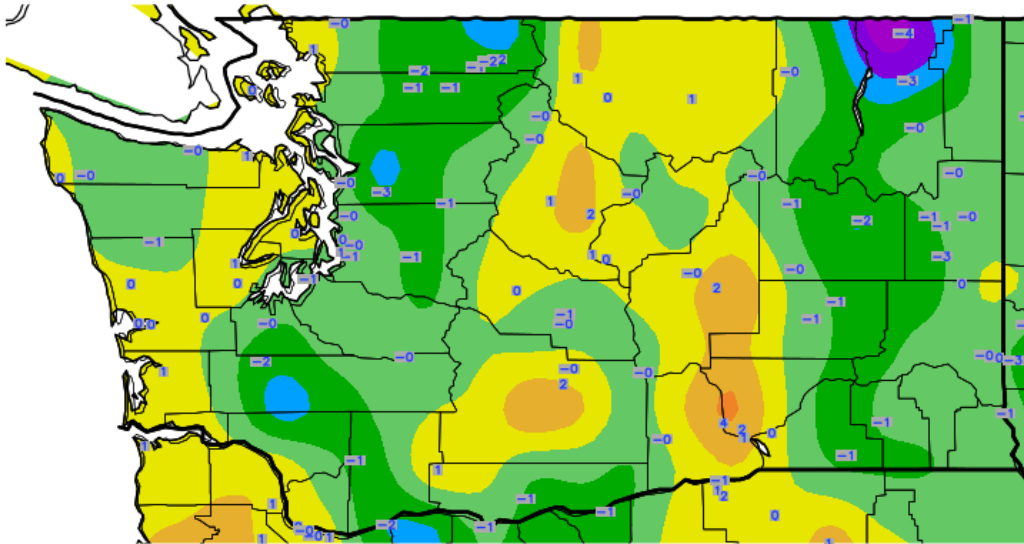
— Normal Period: 1981-2010

Data Source: WRCC/UI, Created: 7-13-2020

FIPS	STATE	COUNTY	CONSECUTIVE WEEKS	START DATE	END DATE
53005	WA	Benton County	15	2020-03-31	2020-07-13
53007	WA	Chelan County	13	2020-04-14	2020-07-13
53017	WA	Douglas County	13	2020-04-14	2020-07-13
53021	WA	Franklin County	11	2020-04-28	2020-07-13
53025	WA	Grant County	15	2020-03-31	2020-07-13
53037	WA	Kittitas County	15	2020-03-31	2020-07-13
53039	WA	Klickitat County	15	2020-03-31	2020-07-13
53047	WA	Okanogan County	13	2020-04-14	2020-07-13
53071	WA	Walla Walla County	11	2020-04-28	2020-07-13
53077	WA	Yakima County	15	2020-03-31	2020-07-13

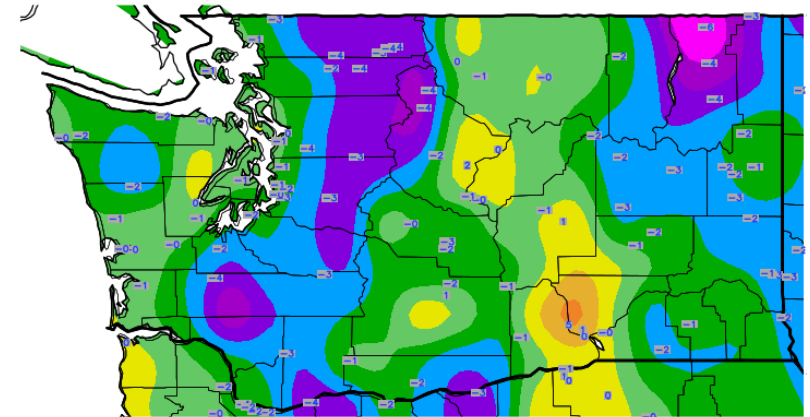
Counties eligible for livestock forage loss payments

Ave. Temperature dep from Ave (deg F)
6/11/2020 – 7/10/2020



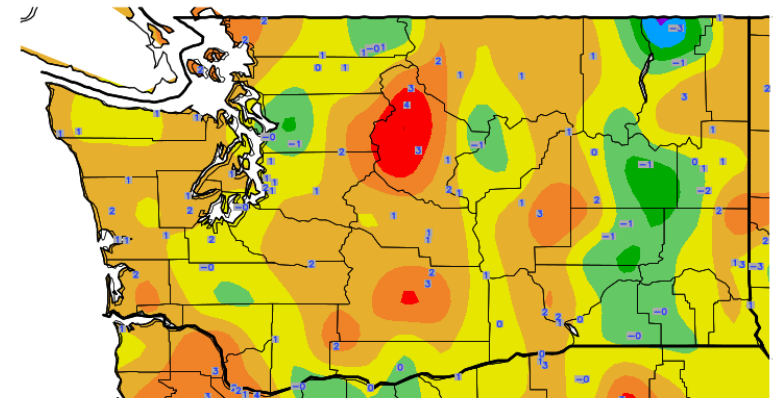
Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
6/11/2020 – 7/10/2020



Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Min. Temperature dep from Ave (deg. F)
6/11/2020 – 7/10/2020



Generated 7/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Teanaway River - Below Forks: 1970-2020

