



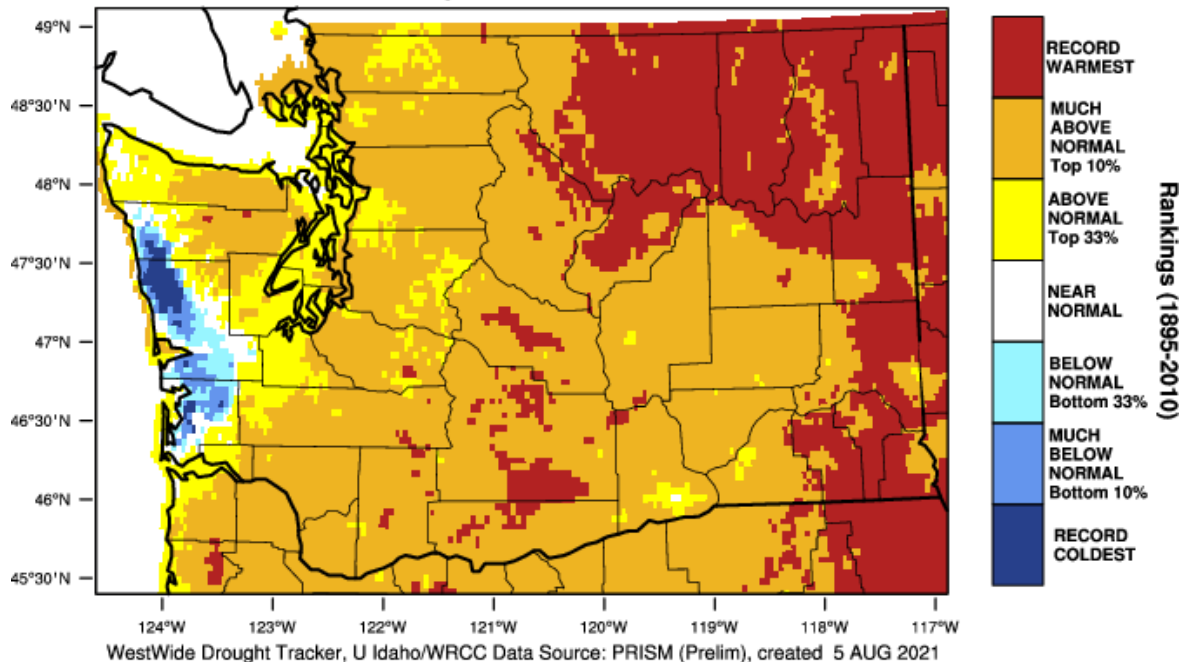
# Drought Declaration and Funding Update

Jeff Marti, Water Resources Program

August 9 2021

## Washington - Mean Temperature

July 2021 Percentile



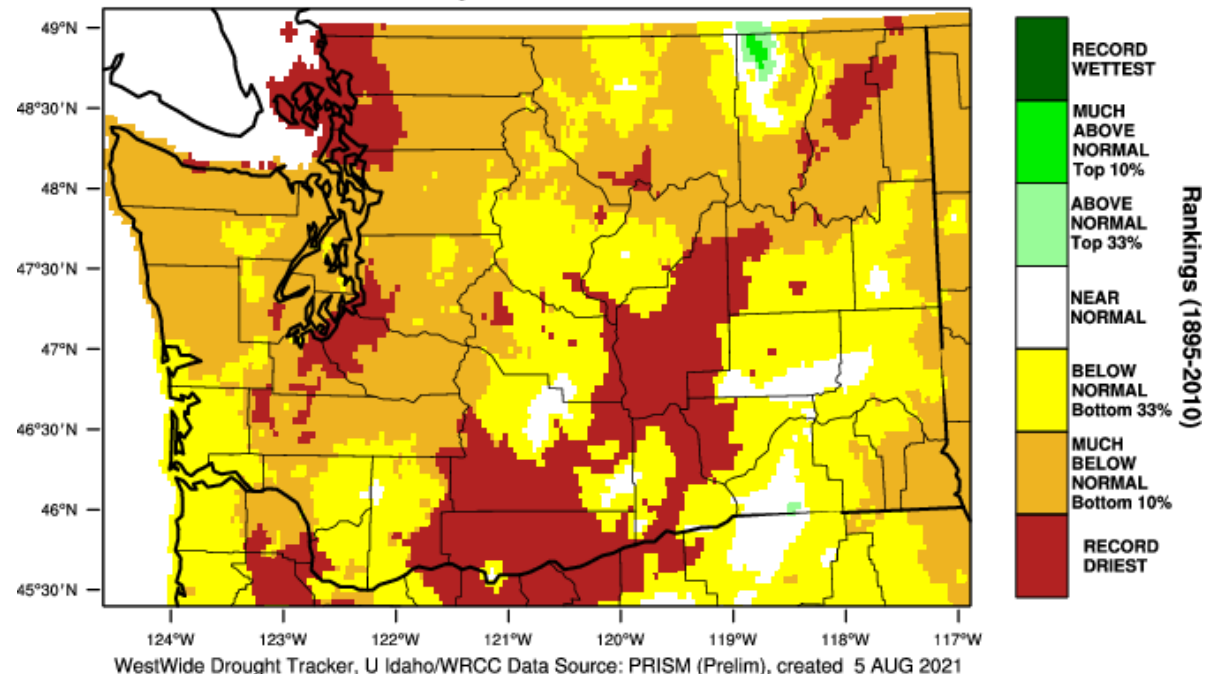
Statewide Average Temp

6.0°F degrees above normal

The 1<sup>st</sup> warmest July since 1895

## Washington - Precipitation

July 2021 Percentile



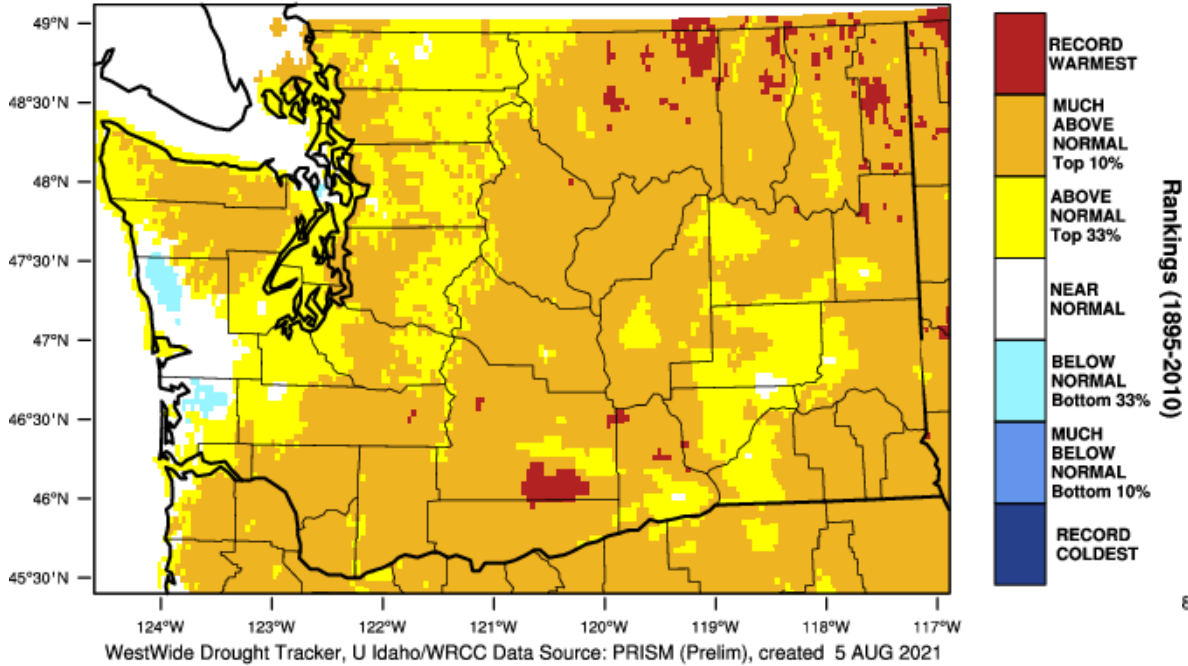
Statewide Average Precipitation

0.06" of rain averaged statewide (-0.84" from normal)

The 4<sup>th</sup> Driest since 1895

## Washington - Mean Temperature

March-July 2021 Percentile

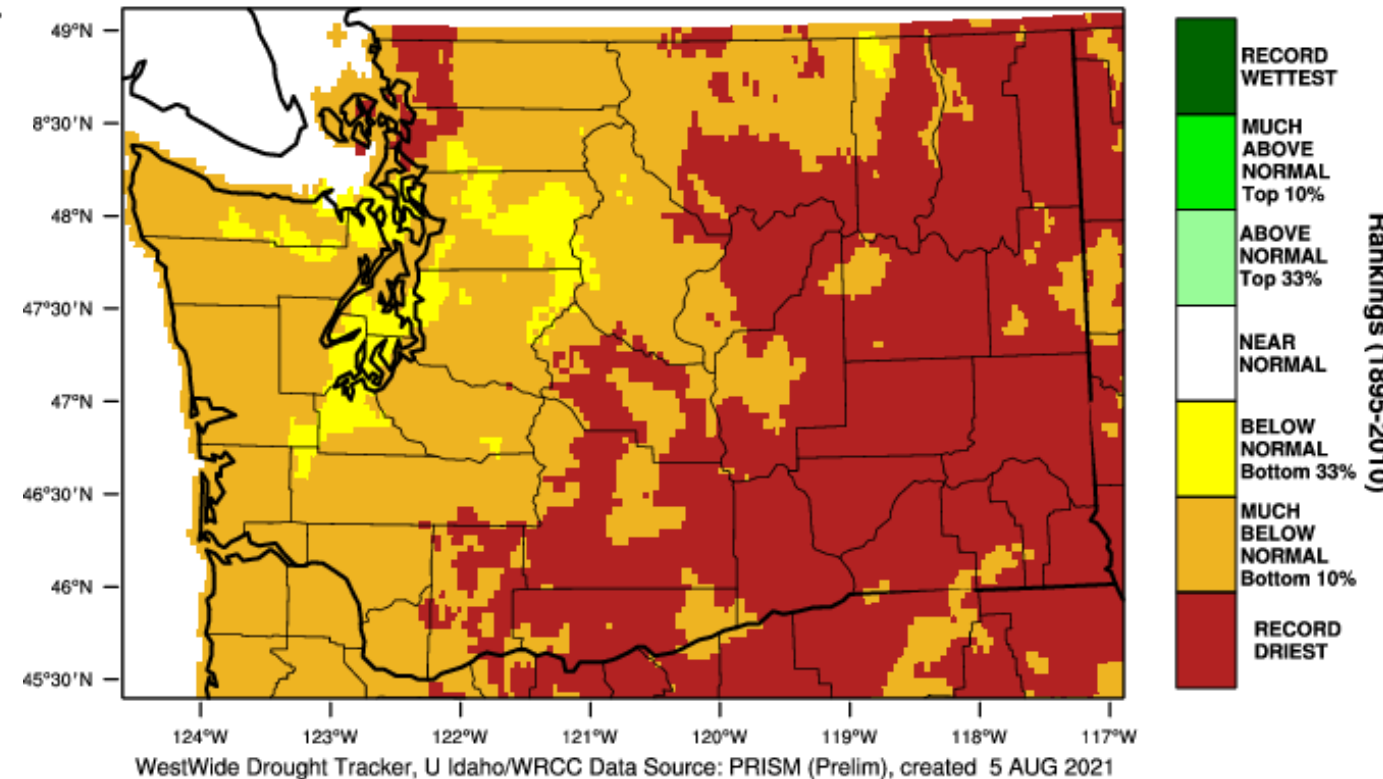


3<sup>rd</sup> Warmest March – July  
since 1895

2<sup>nd</sup> Driest March – July since  
1895

## Washington - Precipitation

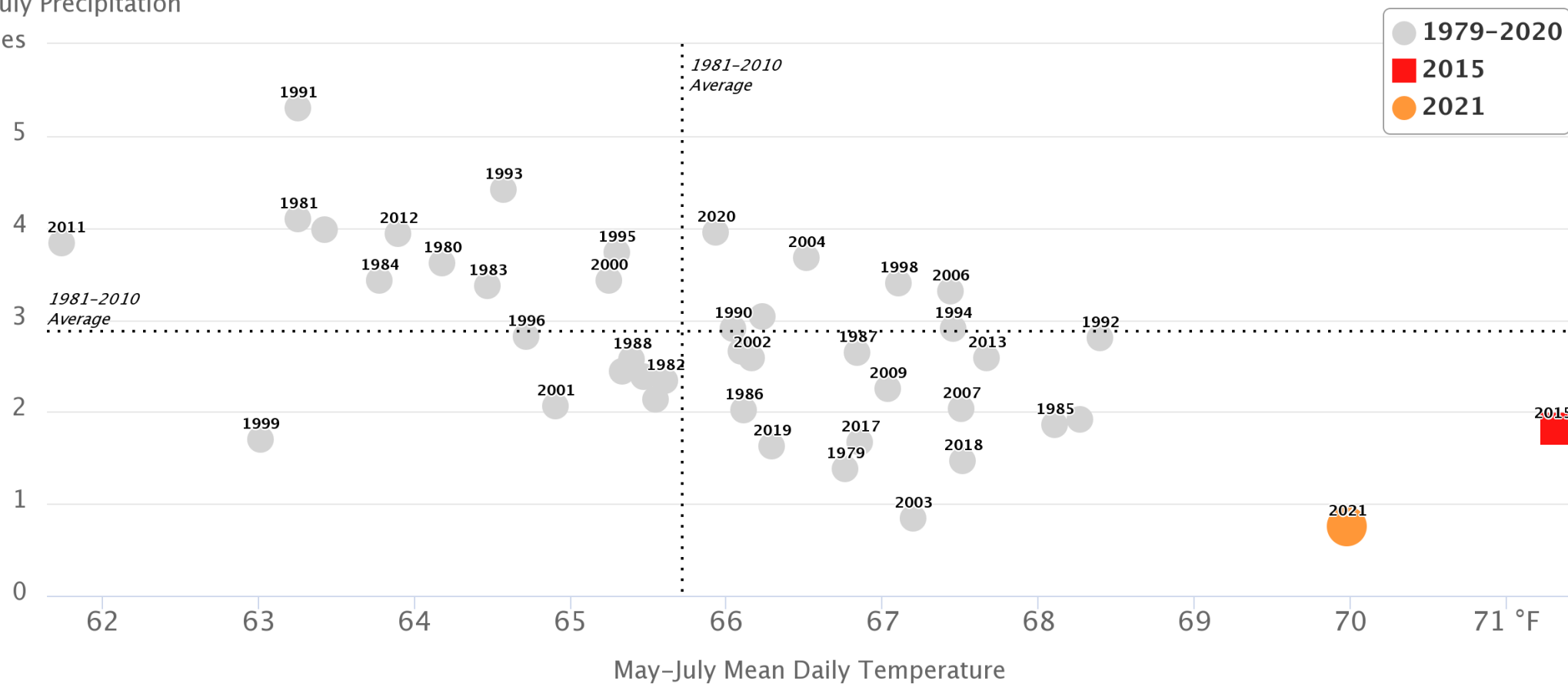
March-July 2021 Percentile



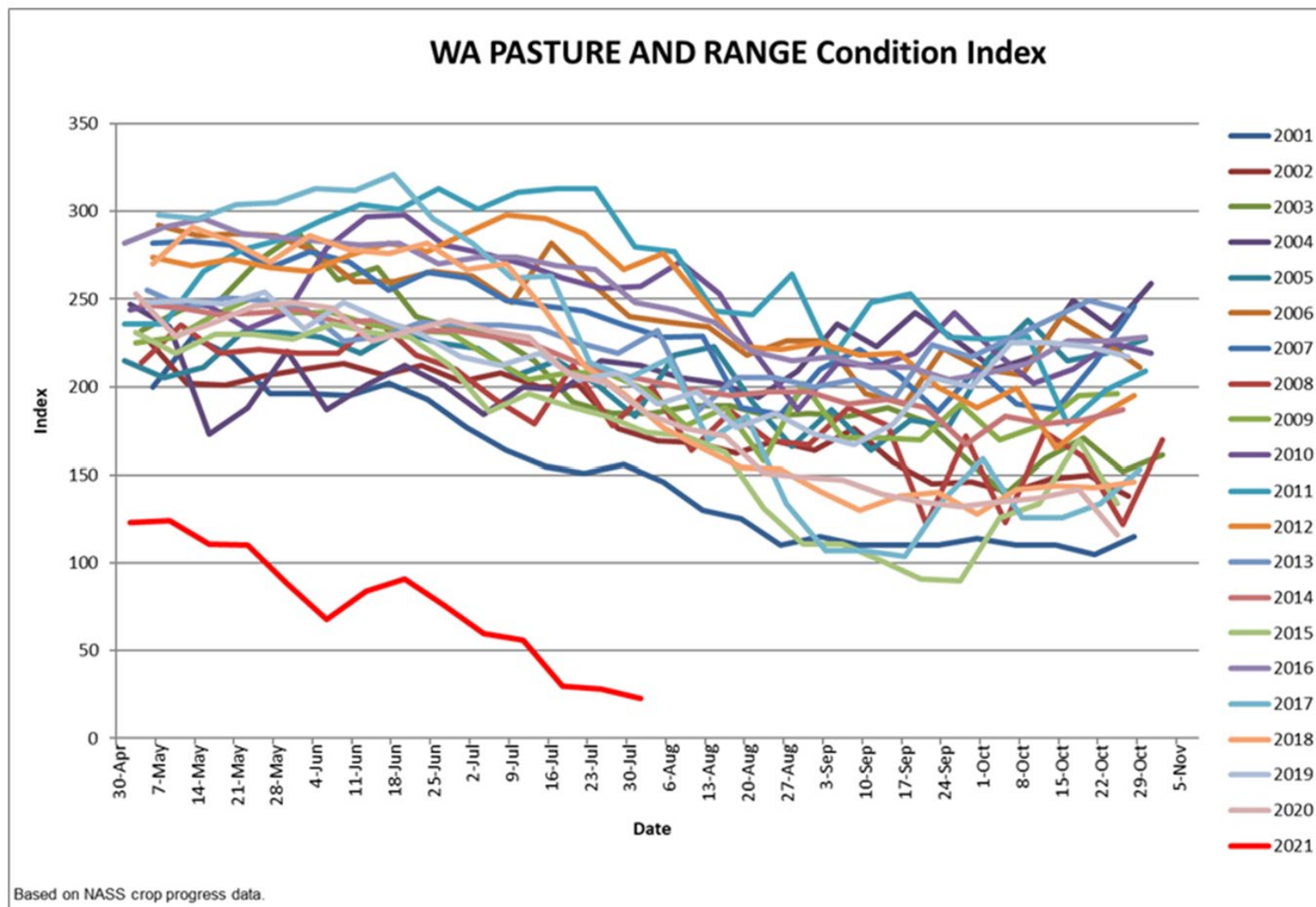
## Walla Walla County, Washington

May–July Precipitation

6 inches



Climate Toolbox, Data Source: gridMET (UC Merced)

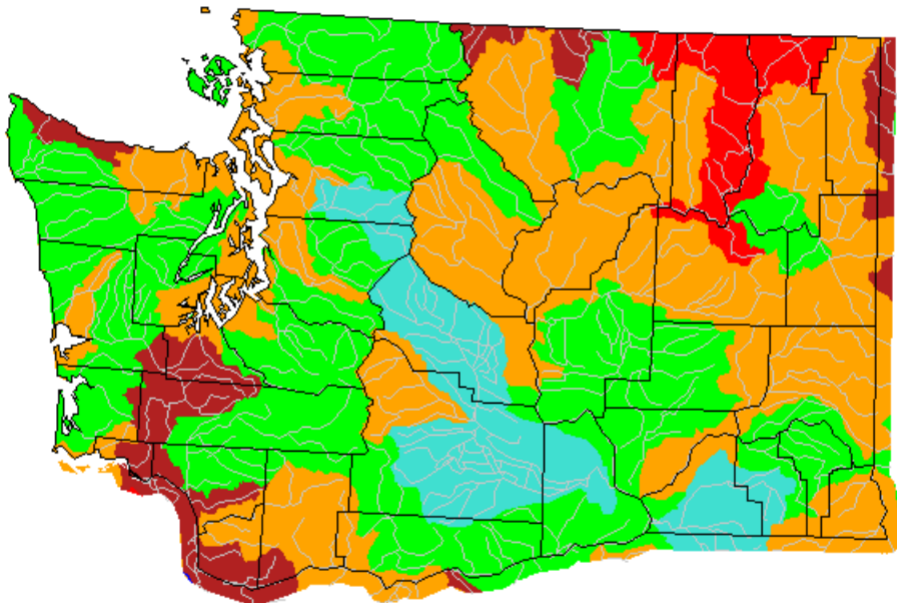




## Map of 7-day average streamflow compared to historical streamflow for the day of the year (Washington)

Washington ▼ or Water-Resources Regions ▼ All Days

Sunday, August 08, 2021



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		

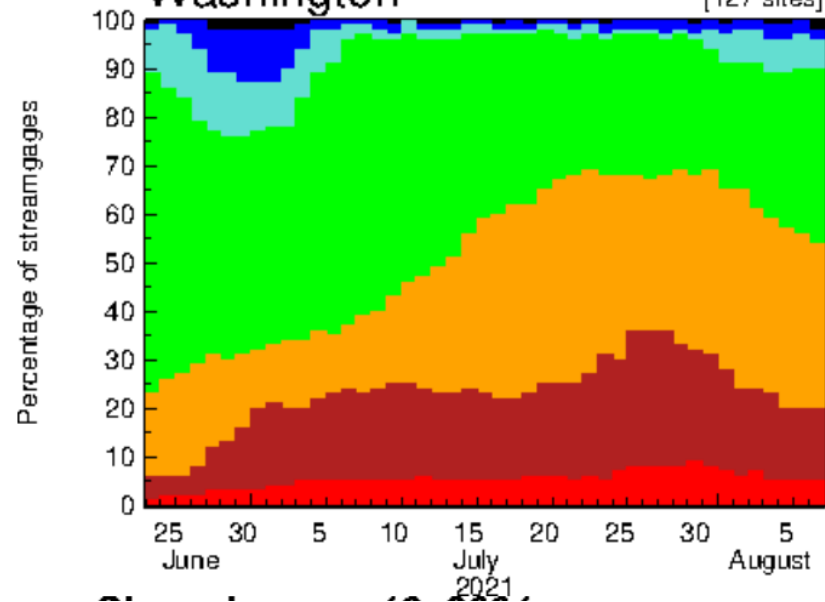
## Time series plot of 7-day average streamflow compared to historical streamflow for the day of the year (Washington)

Washington ▼ or Water-Resources Regions ▼ All Days

**Last 45 Days**

Washington

[127 sites]



# Washington Drought Declaration Areas



# Powers granted to Ecology

Authorize emergency withdrawal of public surface and ground waters, including dead storage...

Approve a temporary change in purpose, place of use, point of diversion, or point of withdrawal.

Employ additional persons for specified terms of time, consistent with the term of a drought condition, as are necessary.

Acquire needed emergency drought-related equipment.

Enter into agreements with applicants receiving emergency withdrawal authorizations...to recover the costs...of mitigation for emergency withdrawal authorizations.

Enter into interagency agreements...to partner in emergency drought response.



# Emergency Drought Funding Rule

WAC 173-167



- July 28<sup>th</sup> -- Emergency drought relief funding rule published
  - Limited amount of dollars (\$750K)
  - Rule reserves first \$1 million of grants to state agencies
    - Departments of Health (~\$270K)
    - Fish and Wildlife (~388K)
    - State Conservation Commission (~100K)
- If more money becomes available, we will consider opening up grant program to other public bodies (e.g., irrigation districts, counties, cities, PUDs, Tribes and others).

# Thank you



# Northwest River Forecast Center ESP Natural Forecast



River and Hydrology

Water Supply

Observations

Weather Forecasts

Climate

NWRFC

Home

Zoom Out

--- Quick Zooms ---

ESP Issued: 2021-08-06

Ensemble Date: 2021-08-06

[Permalink](#)

Search  
Enter NWS ID:

GO

Map Overlays

- ☒ NWRFC Boundary
- ☐ NWRFC Basins
- ☐ NWS HSAs
- ☐ Counties

ESP Natural Forecast

- ☐ Natural Status
- ☐ Natural % of Normal
- ☐ Rank (ASC)
- ☒ Rank (DESC)
- ☐ Exceedance (%)
- ☐ Percentile (%)

Natural Runoff

- ☐ Runoff Status
- ☐ Runoff % of Normal

ESP Natural Forecast

**Period: APR-SEP**  
Rank (Descending)  
Marker Color Shows  
Percentile (%)

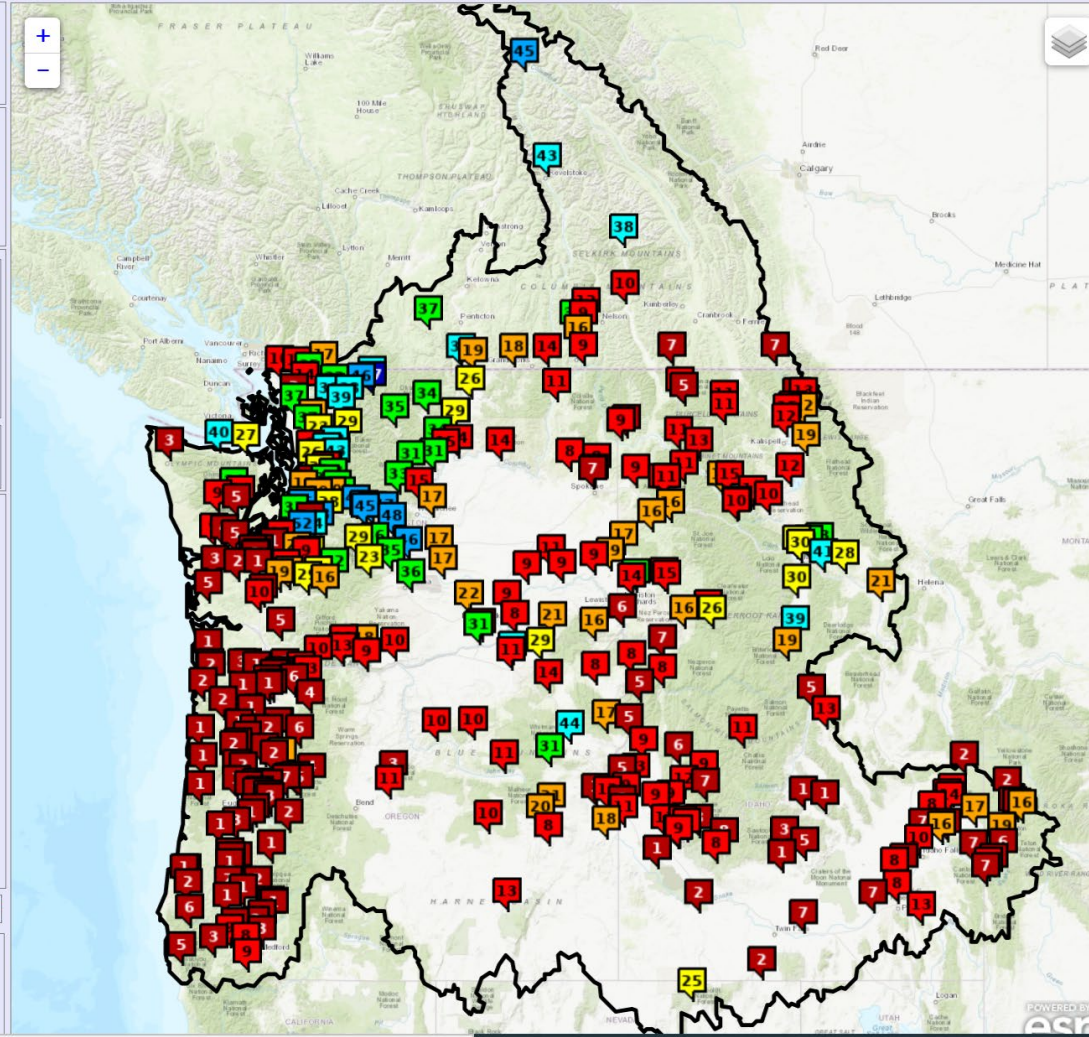
- No Data
- 0-10
- 10-20
- 20-30
- 30-40
- 40-50
- 50-60
- 60-70
- 70-80
- 80-90
- 90-100



Stations Displayed: 354

Natural Links

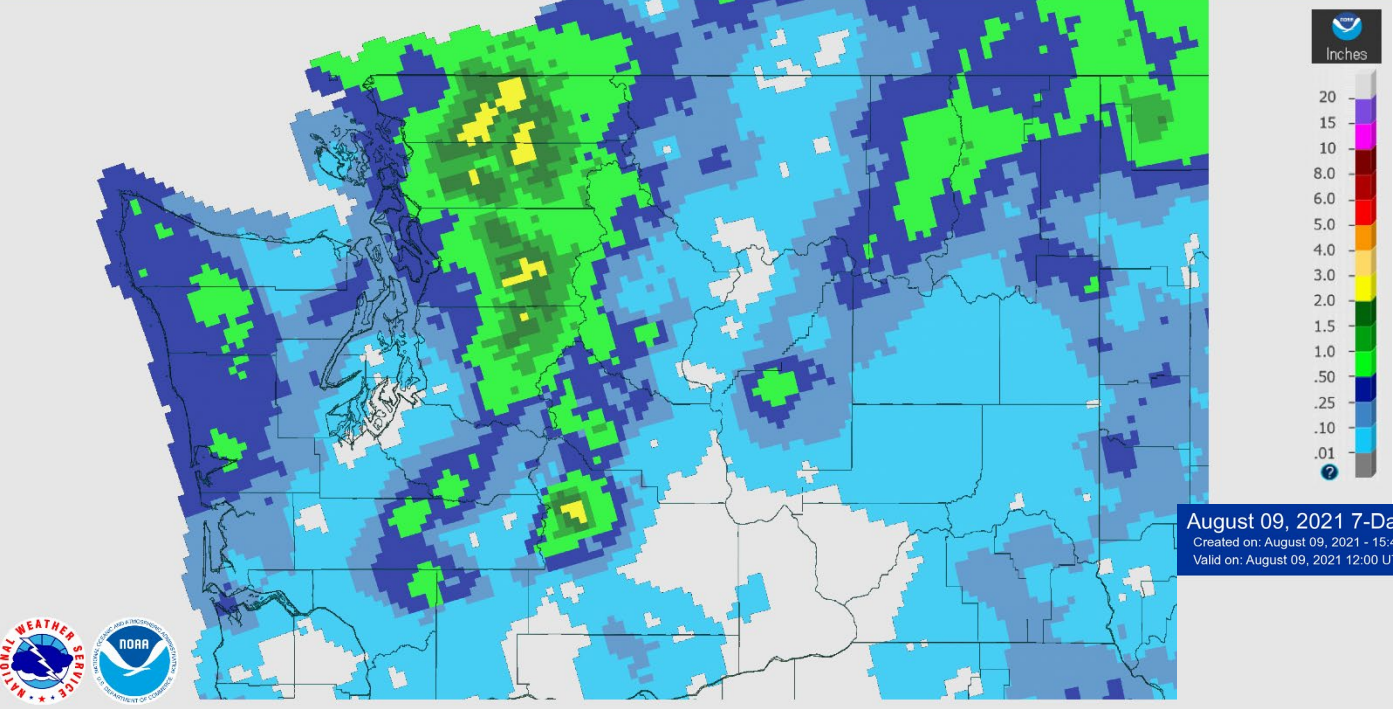
[Forecast Listing](#)  
[Forecast Report](#)  
[Forecast Report CSV](#)  
[Rank Metadata CSV](#)





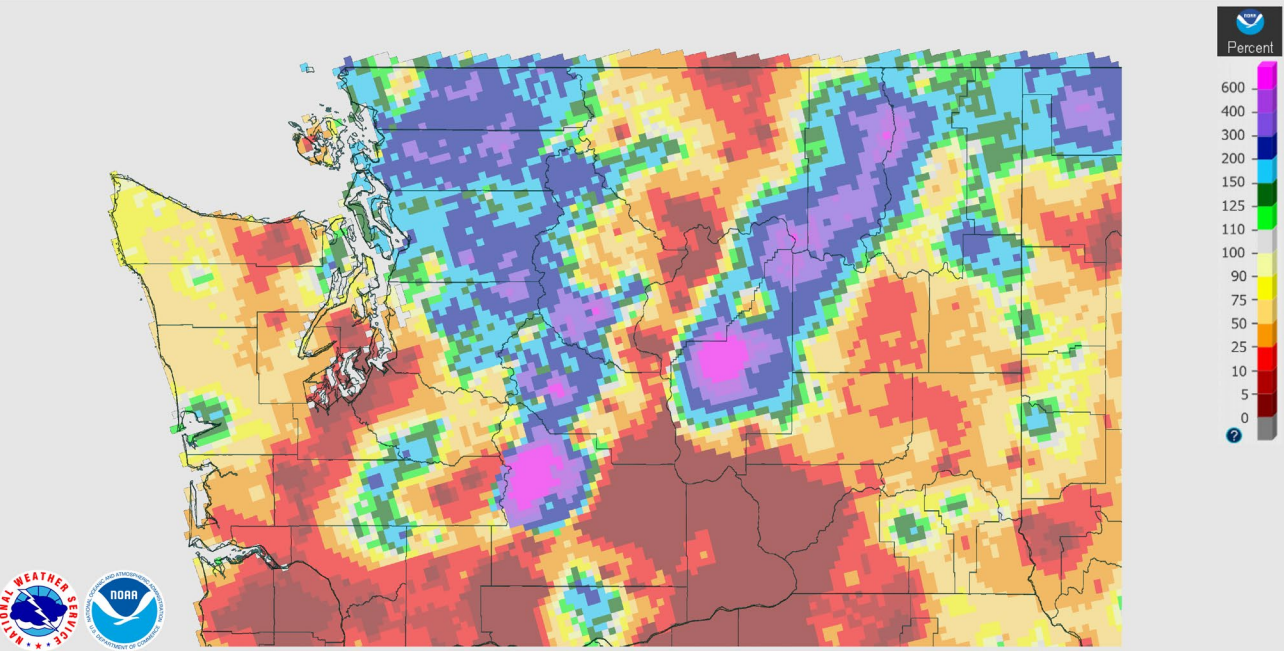
August 09, 2021 7-Day Observed Precipitation

Created on: August 09, 2021 - 15:41 UTC  
Valid on: August 09, 2021 12:00 UTC

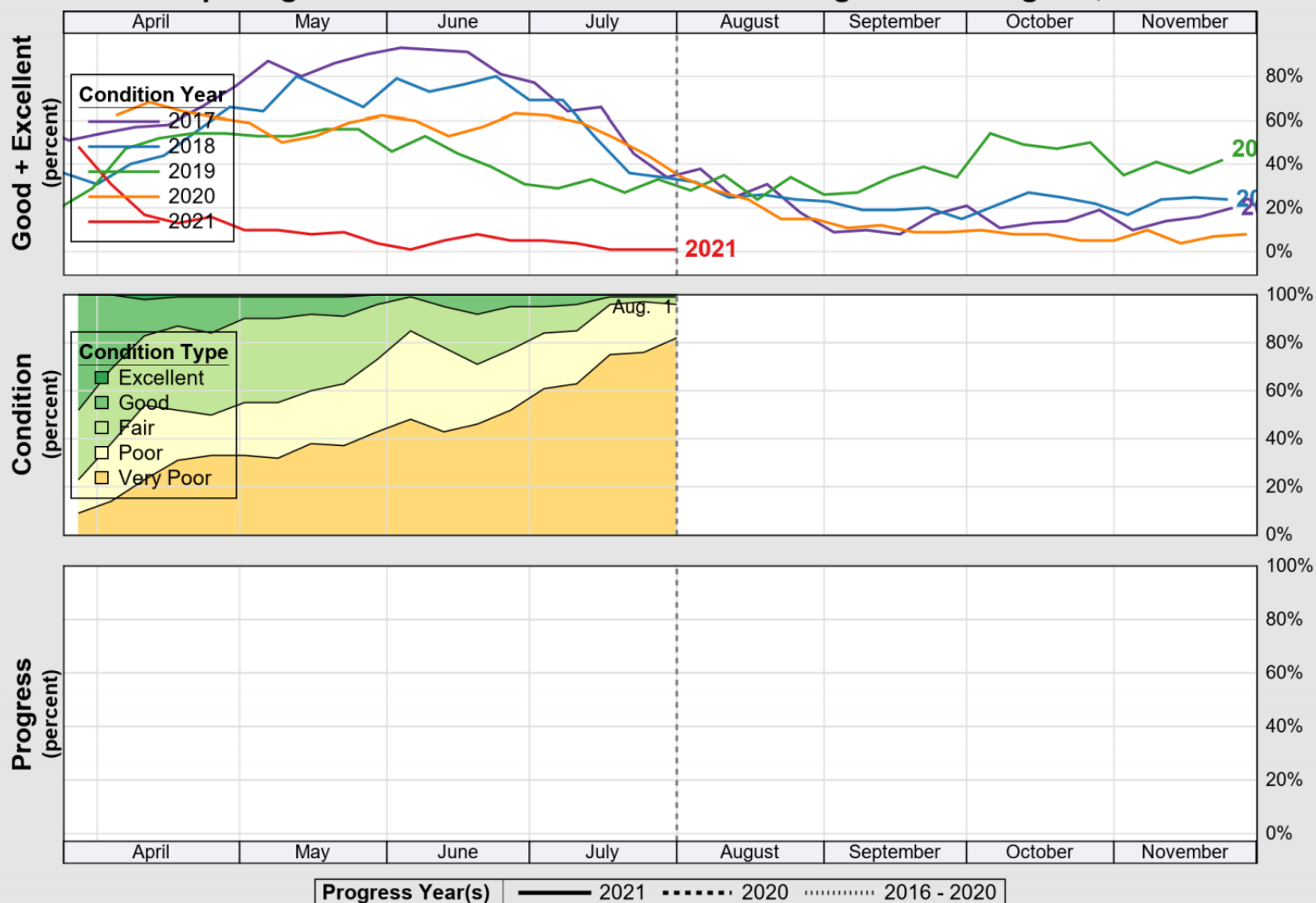


August 09, 2021 7-Day Percent Precipitation

Created on: August 09, 2021 - 15:43 UTC  
Valid on: August 09, 2021 12:00 UTC



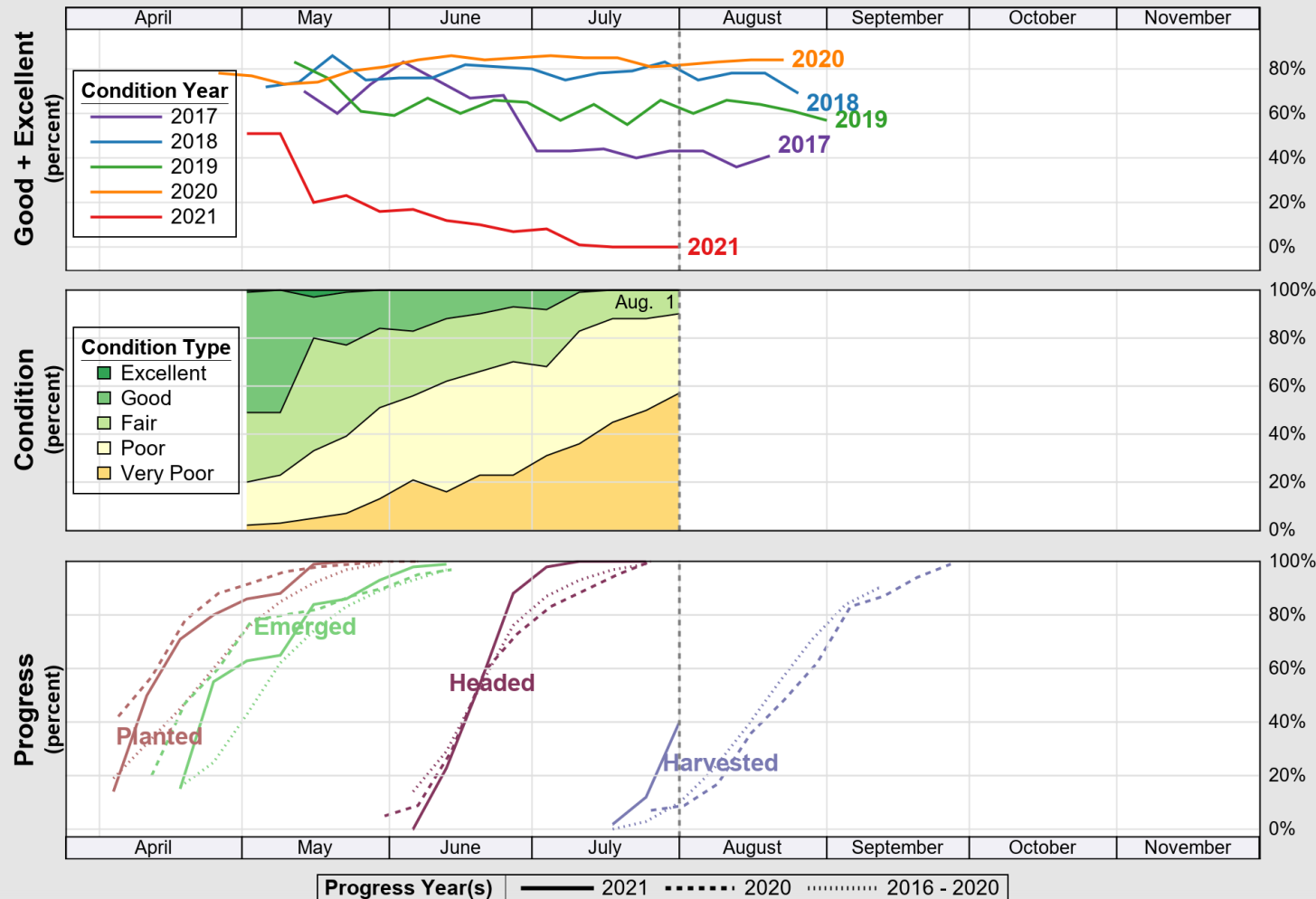
**USDA** Crop Progress and Condition: Pasture and Range in Washington , 2021 **NASS**



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



**USDA**
**Crop Progress and Condition: Spring Wheat in Washington , 2021**
**NASS**



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