



Utah Drought Monitor Webinar

The meeting will begin shortly



Thank you to our contributors

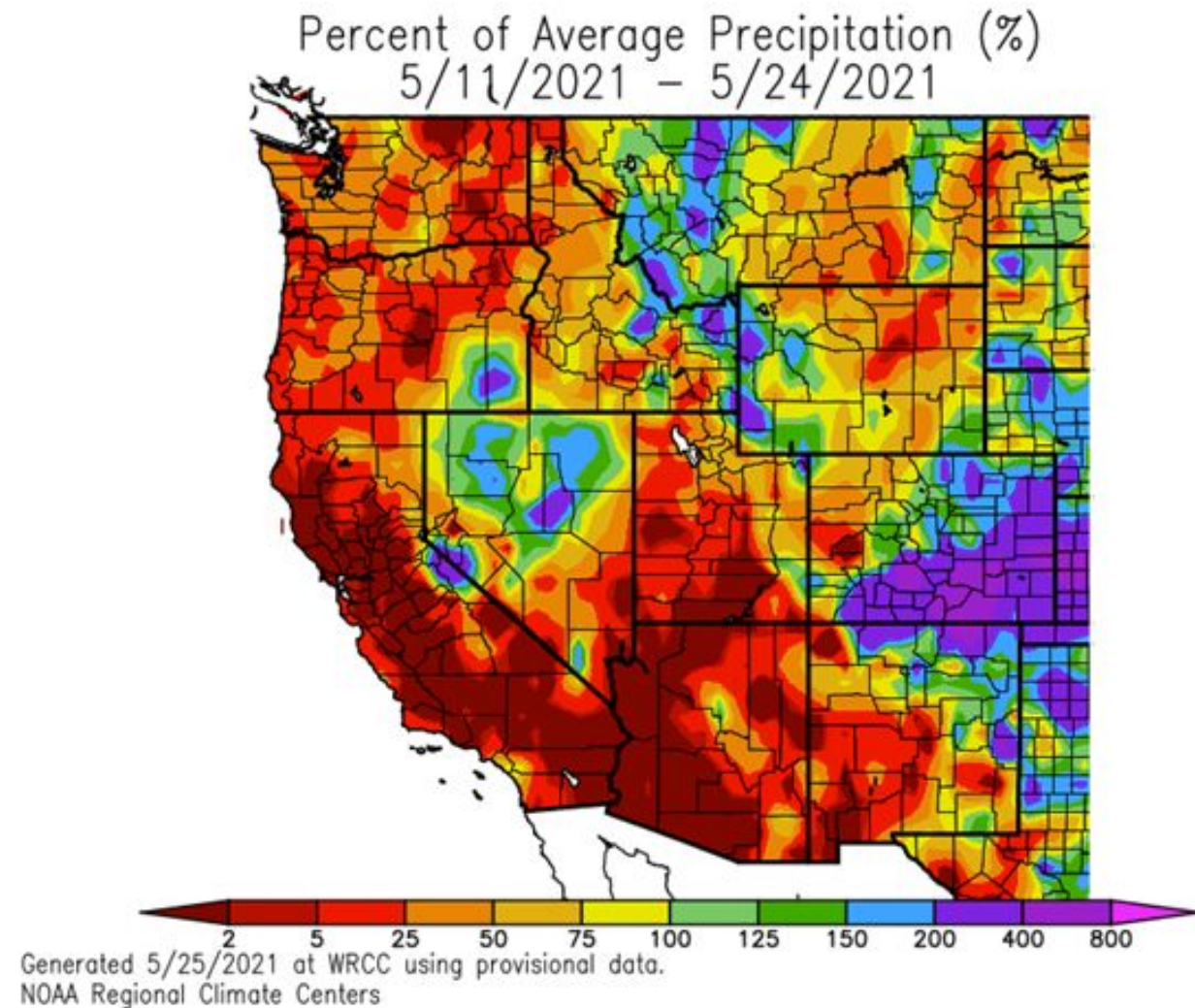
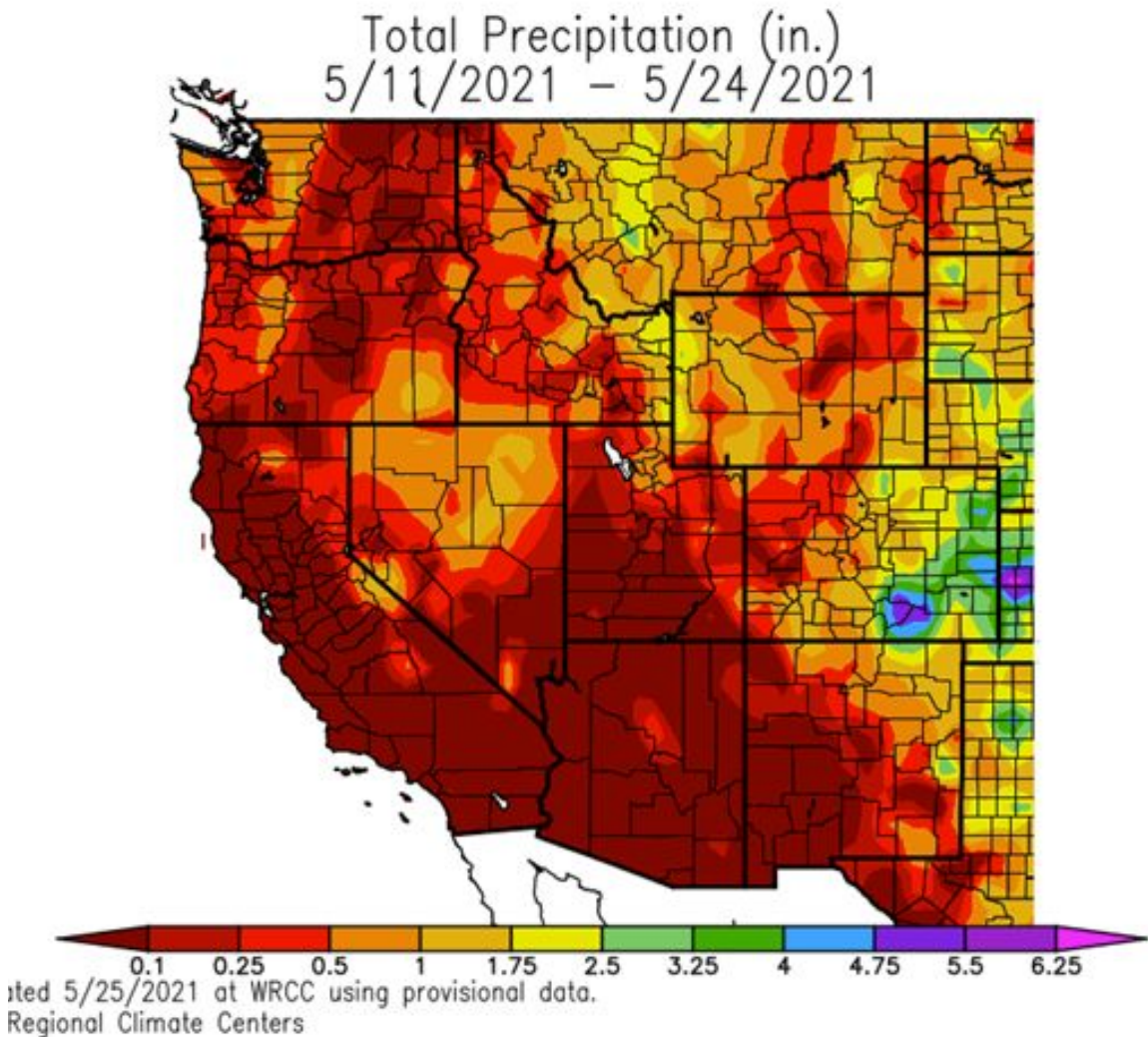




Utah Drought Monitor Webinar

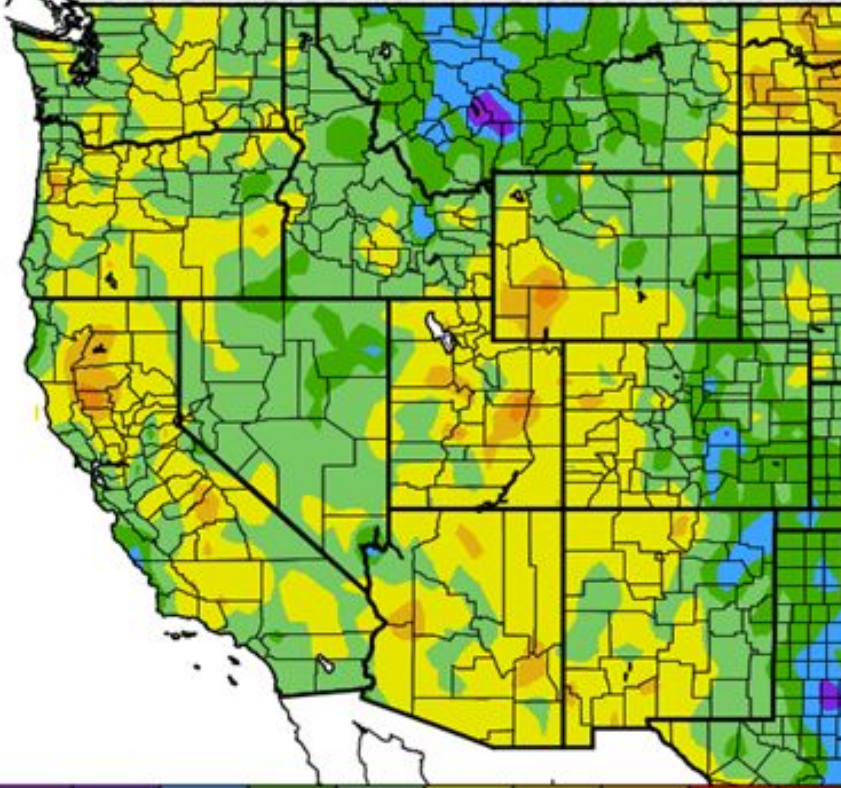
May 25, 2021

Precipitation 14 days (Total & Percent of Average)



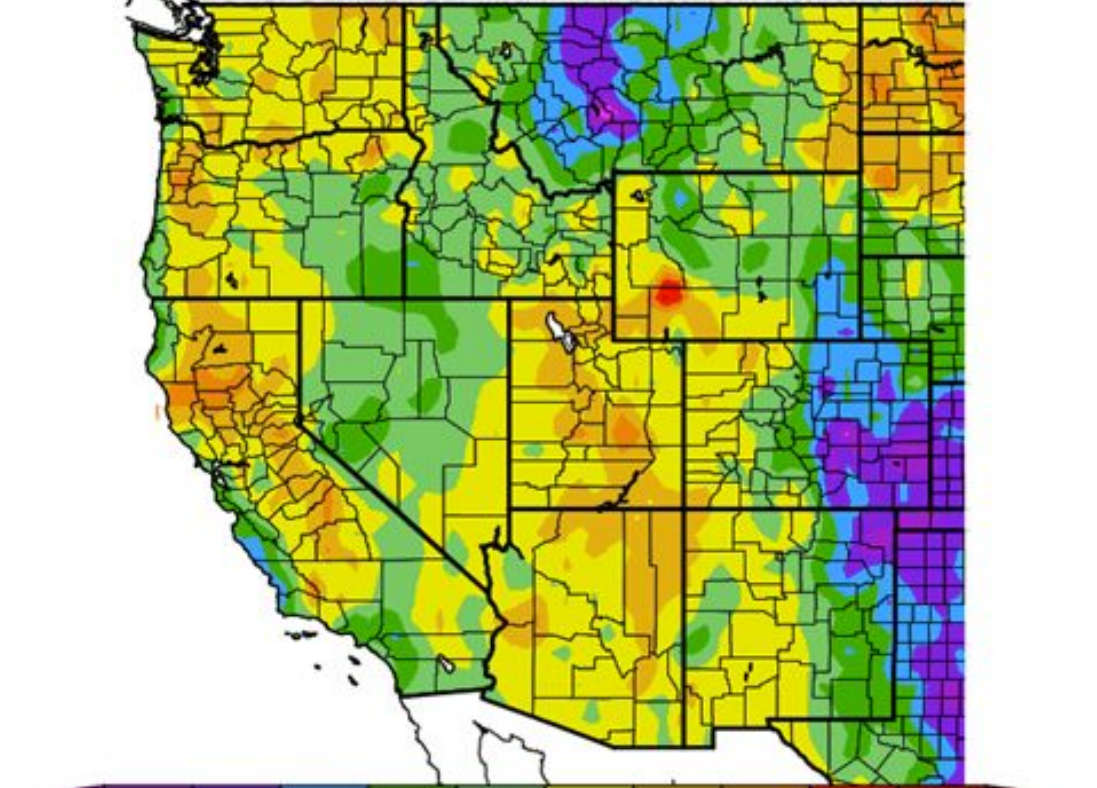
Temperature 14 day (Avg and Max departure from avg.)

Ave. Temperature dep from Ave (deg F)
5/11/2021 – 5/24/2021



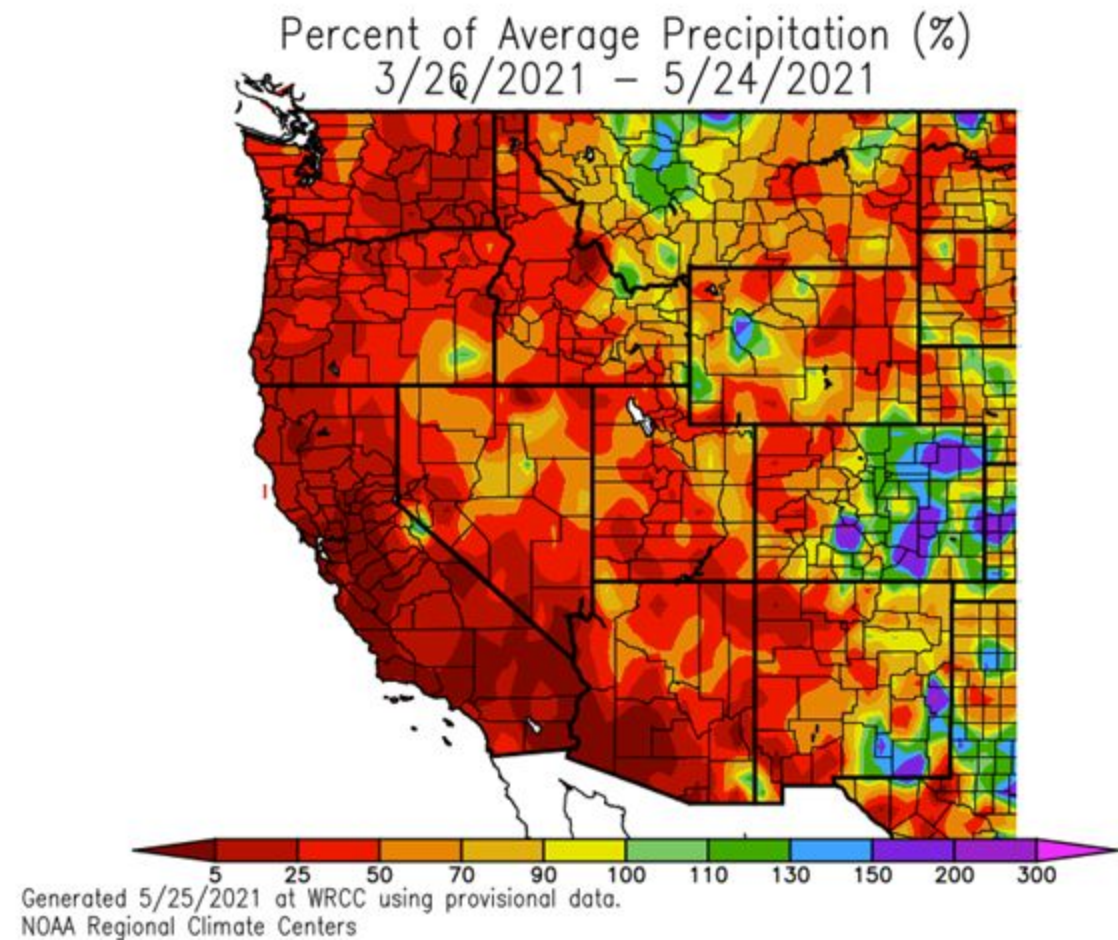
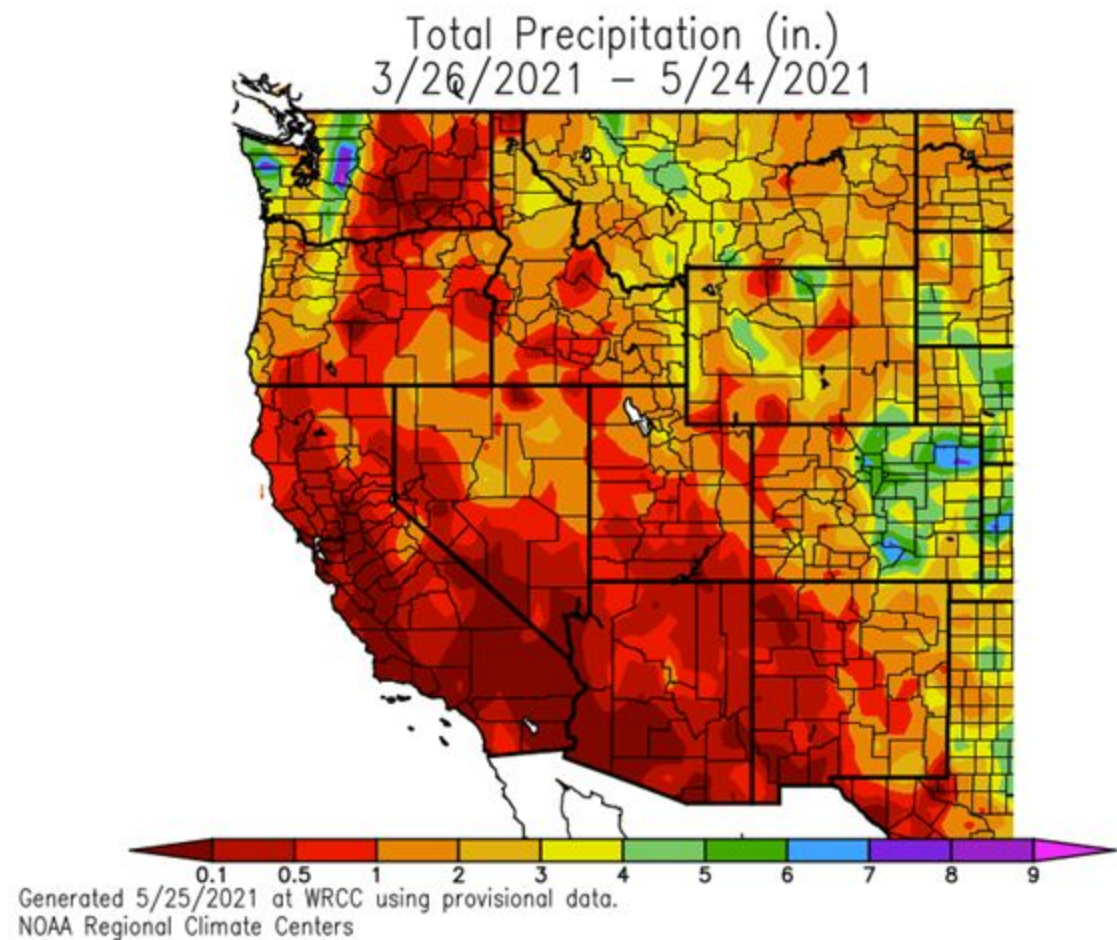
Generated 5/25/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
5/11/2021 – 5/24/2021

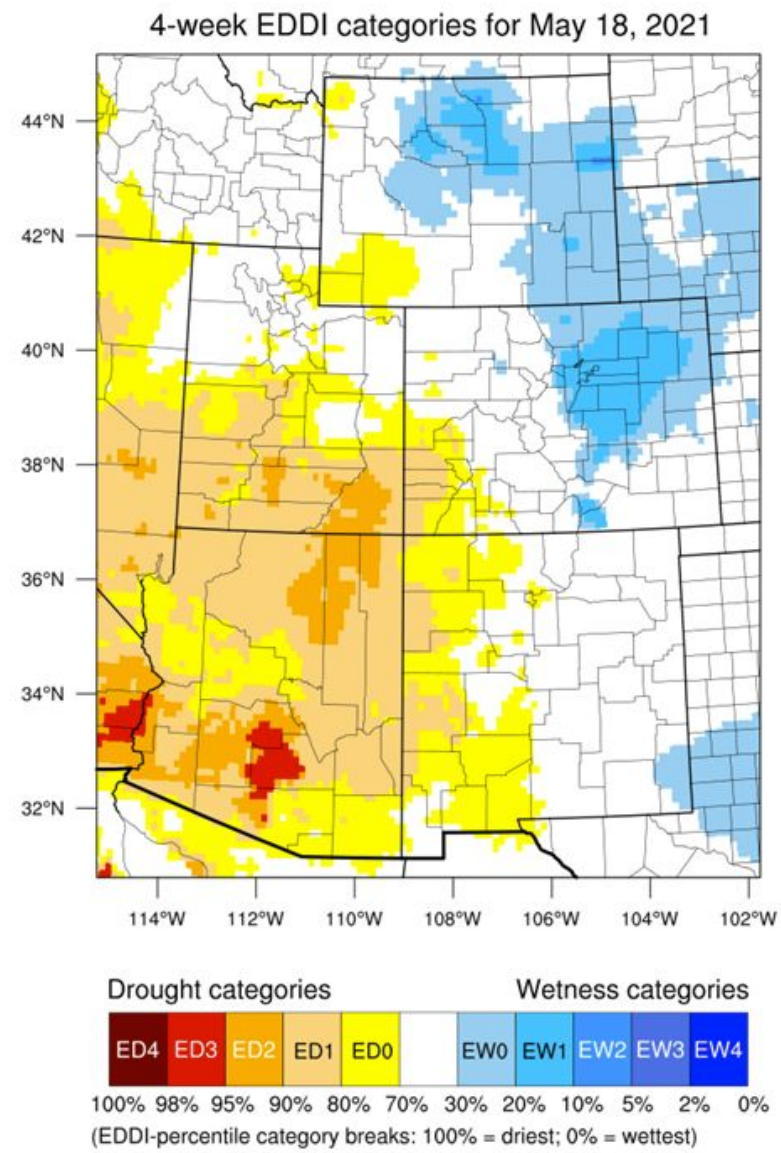


Generated 5/25/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

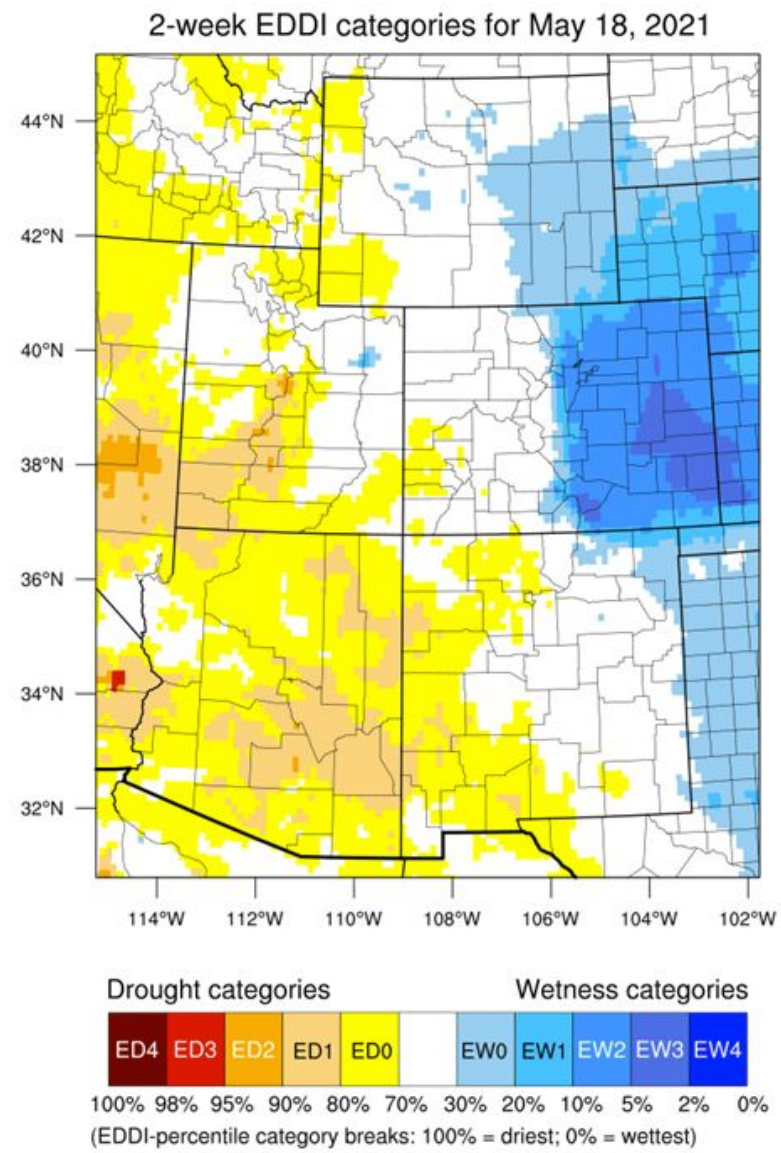
Precipitation 60 day history (Total & Percent of Average)



Evaporative Demand (EDDI)



Generated by NOAA/ESRL/Physical Sciences Laboratory



Generated by NOAA/ESRL/Physical Sciences Laboratory

Monsoon Outlook *This is a very difficult seasonal outlook to determine

The good:

- Dry pre-monsoon soil moisture tends to lead to earlier onset
- Active phase of Madden Julian Oscillation has chance to enter Eastern Pacific during early half of monsoon season

The Bad:

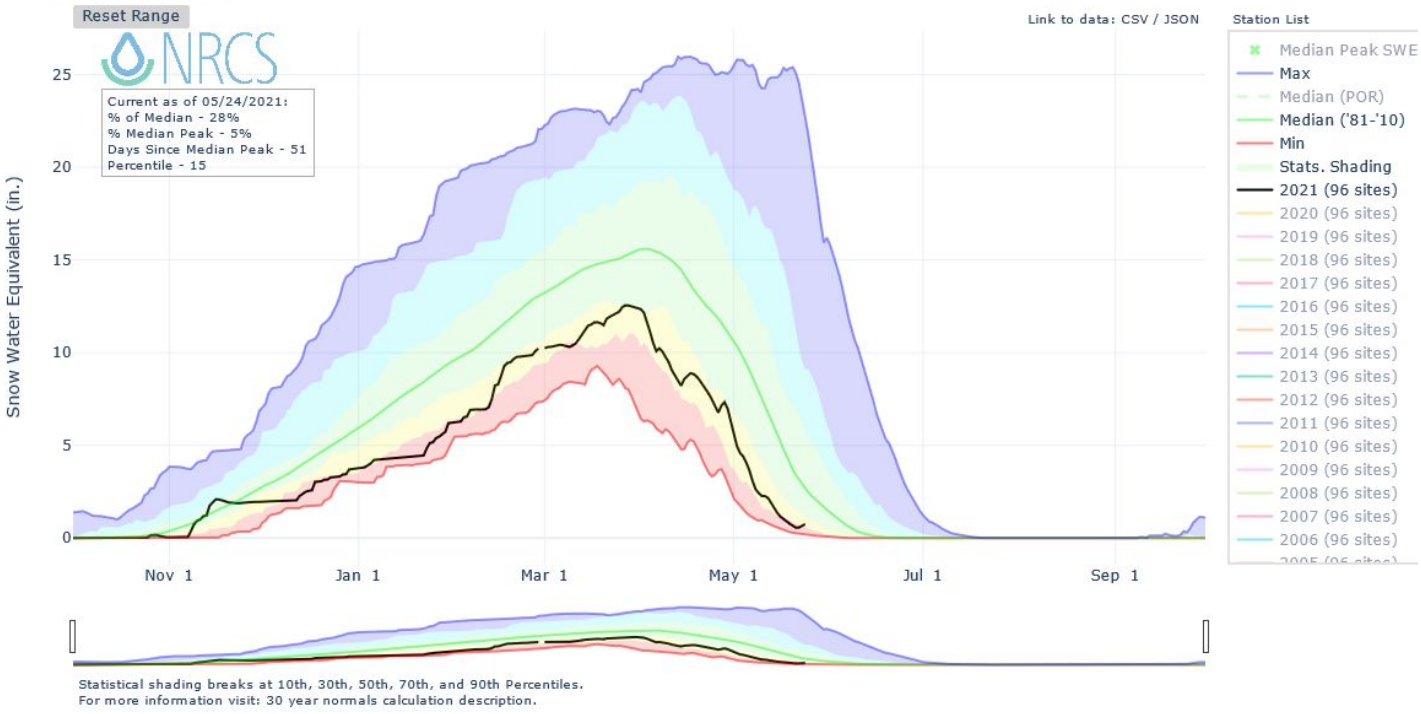
- Hot June-July-August forecast with all but SW Utah looking at below normal precip.
- High Pressure seasonal outlook is leaning towards less Utah monsoon activity (very low confidence)

Station Name	Location	Last Updated	ETo inches		ETc inches		Precipitation inches		Irrigation Requirement inches	
			Last 24 hour	Last 7 Days	Last 24 hour	Last 7 Days	Last 24 hour	Last 7 Days	Last 24 hour	Last 7 Days
Logan, UT	Logan	05/25/2021 10:00 am	0.13"	1.15"	0.00"	0.00"	0.00"	0.19"	0.10"	0.68"
Brigham City, UT VWS	Brigham City	05/25/2021 11:00 am	0.19"	1.38"	0.14"	1.01"	0.00"	0.50"	0.14"	0.61"
Randolph, UT VWS	Randolph	05/25/2021 11:00 am	0.17"	1.28"	0.13"	0.93"	0.00"	0.26"	0.13"	0.72"
Weber Basin Water	Layton	05/25/2021 11:00 am	0.16"	1.18"	0.12"	0.86"	0.00"	0.68"	0.12"	0.32"
Morgan, UT VWS	Morgan	05/25/2021 11:00 am	0.17"	1.37"	0.13"	1.00"	0.00"	0.58"	0.13"	0.53"
North Salt Lake, UT VWS	North Salt Lake	05/25/2021 11:00 am	0.20"	1.54"	0.15"	1.12"	0.00"	0.53"	0.15"	0.70"
Park City, UT VWS	Park City	05/25/2021 11:00 am	0.16"	1.26"	0.12"	0.92"	0.00"	0.33"	0.12"	0.66"
Solamere	Park City	05/25/2021 08:15 am	0.12"	1.02"	0.09"	0.74"	0.00"	0.53"	0.09"	0.32"
Tooele, UT VWS	Tooele	05/25/2021 11:00 am	0.19"	1.47"	0.15"	1.07"	0.00"	0.36"	0.15"	0.78"
Jordan Valley WCD	West Jordan	05/25/2021 11:00 am	0.18"	1.44"	0.14"	1.05"	0.00"	0.17"	0.14"	0.91"
Daybreak, UT VWS	South Jordan	05/25/2021 11:00 am	0.21"	1.61"	0.16"	1.18"	0.00"	0.28"	0.16"	0.95"
Provo, UT VWS	Provo	05/25/2021 11:00 am	0.19"	1.60"	0.14"	1.17"	0.00"	0.60"	0.14"	0.68"
Heber City, UT VWS	Heber City	05/25/2021 11:00 am	0.18"	1.43"	0.14"	1.04"	0.00"	0.22"	0.14"	0.87"
Duchesne, UT VWS	Duchesne	05/25/2021 11:00 am	0.23"	1.62"	0.17"	1.18"	0.00"	0.05"	0.17"	1.14"
Vernal, UT VWS	Vernal	05/25/2021 11:00 am	0.21"	1.54"	0.16"	1.13"	0.00"	0.01"	0.16"	1.11"
Manilla, UT VWS	Manilla	05/25/2021 11:00 am	0.19"	1.36"	0.14"	0.99"	0.00"	0.04"	0.14"	0.96"
Nephi, UT VWS	Nephi	05/25/2021 11:00 am	0.21"	1.58"	0.15"	1.15"	0.00"	0.19"	0.15"	1.00"
Delta, UT VWS	Delta	05/25/2021 11:00 am	0.19"	1.58"	0.14"	1.15"	0.00"	0.04"	0.14"	1.12"
Manti, UT VWS	Manti	05/25/2021 11:00 am	0.20"	1.62"	0.15"	1.18"	0.00"	0.07"	0.15"	1.13"
Richfield, UT VWS	Richfield	05/25/2021 11:00 am	0.21"	1.72"	0.15"	1.25"	0.00"	0.01"	0.15"	1.25"
Circleville, UT VWS	Circleville	05/25/2021 11:00 am	0.22"	1.74"	0.16"	1.27"	0.00"	0.01"	0.16"	1.26"
Price, UT VWS	Price	05/25/2021 11:00 am	0.23"	1.72"	0.17"	1.26"	0.00"	0.02"	0.17"	1.24"
Castle Dale, UT VWS	Castle Dale	05/25/2021 11:00 am	0.22"	1.69"	0.17"	1.23"	0.00"	0.01"	0.17"	1.22"
Loa, UT VWS	Loa	05/25/2021 11:00 am	0.22"	1.64"	0.17"	1.20"	0.00"	0.00"	0.17"	1.20"
Escalante, UT VWS	Escalante	05/25/2021 11:00 am	0.23"	1.74"	0.17"	1.27"	0.00"	0.00"	0.17"	1.27"
Moab, UT VWS	Moab	05/25/2021 11:00 am	0.22"	1.78"	0.16"	1.30"	0.00"	0.00"	0.16"	1.30"
Blanding, UT VWS	Blanding	05/25/2021 11:00 am	0.23"	1.71"	0.18"	1.31"	0.00"	0.00"	0.18"	1.31"
Beaver, UT VWS	Beaver	05/25/2021 11:00 am	0.22"	1.66"	0.16"	1.21"	0.00"	0.01"	0.16"	1.21"
Cedar City, UT VWS	Cedar City	05/25/2021 11:00 am	0.21"	1.73"	0.16"	1.26"	0.00"	0.00"	0.16"	1.26"
St. George, UT VWS	St. George	05/25/2021 11:00 am	0.27"	2.09"	0.21"	1.59"	0.00"	0.00"	0.21"	1.59"
Kanab, UT VWS	Kanab	05/25/2021 11:00 am	0.24"	1.81"	0.19"	1.39"	0.00"	0.00"	0.19"	1.39"

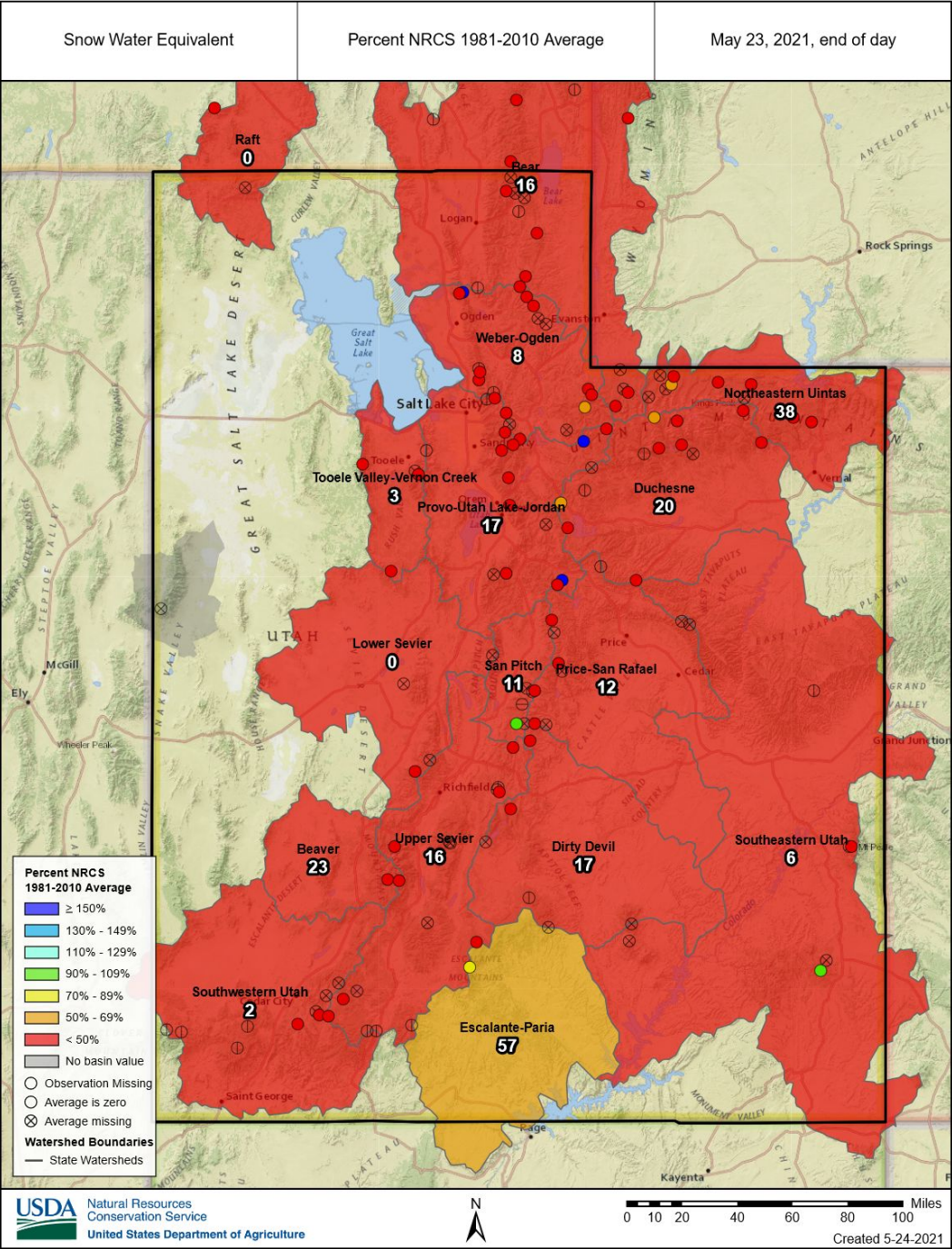
<http://data.weatherreach.com/udwr>
 Produced by SmartRain
 Presenter - Laura Haskell

Snowpack

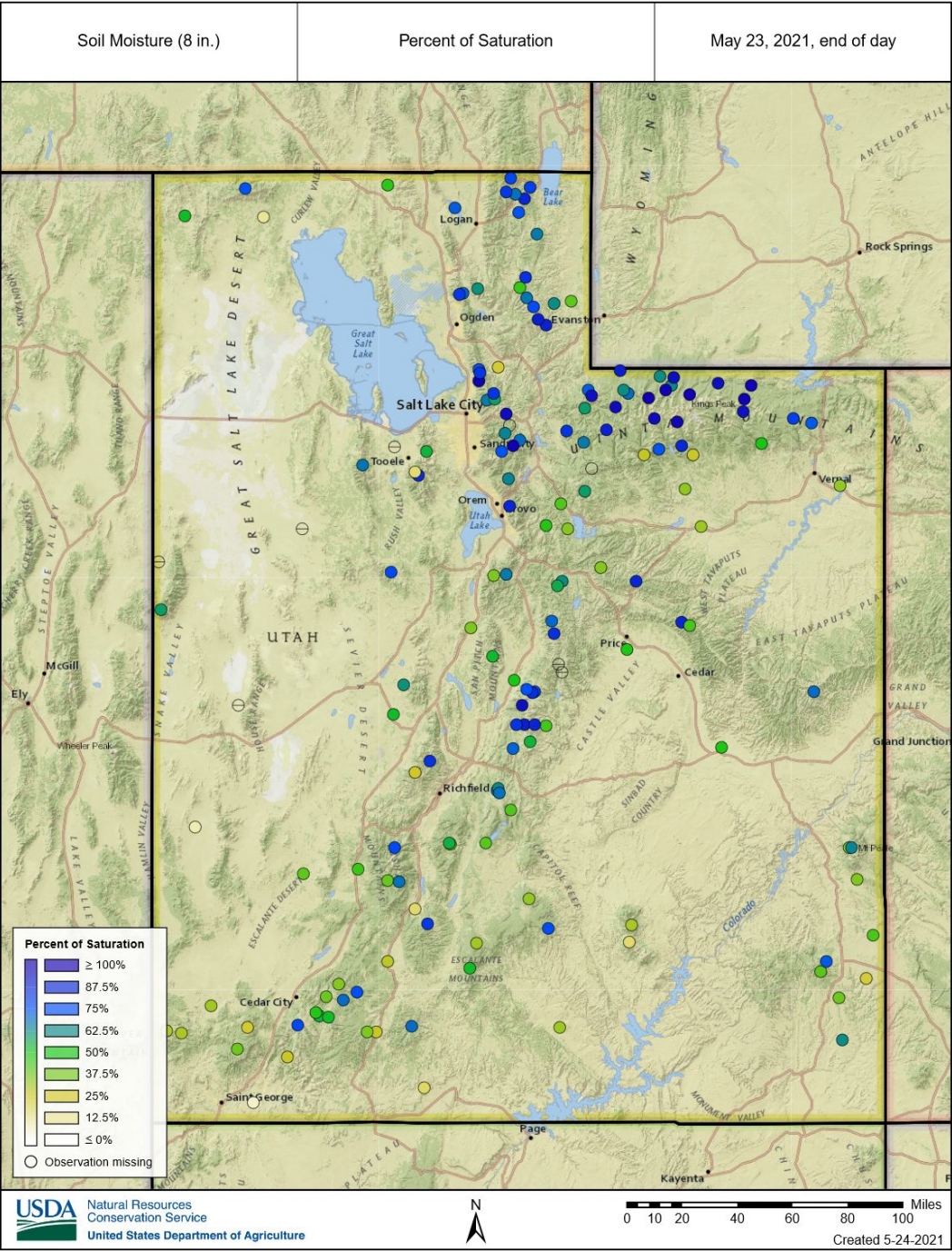
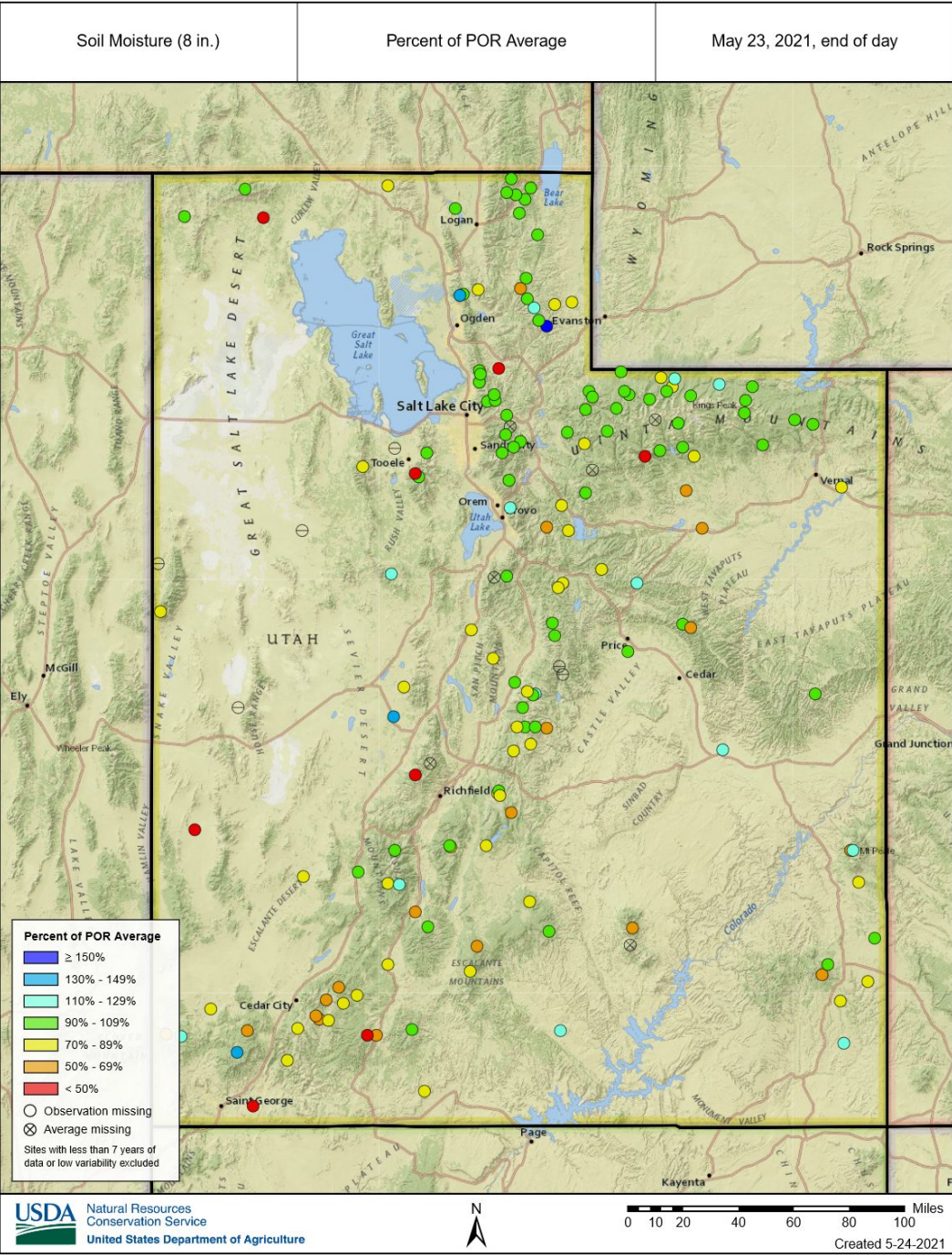
SNOW WATER EQUIVALENT IN STATE OF UTAH



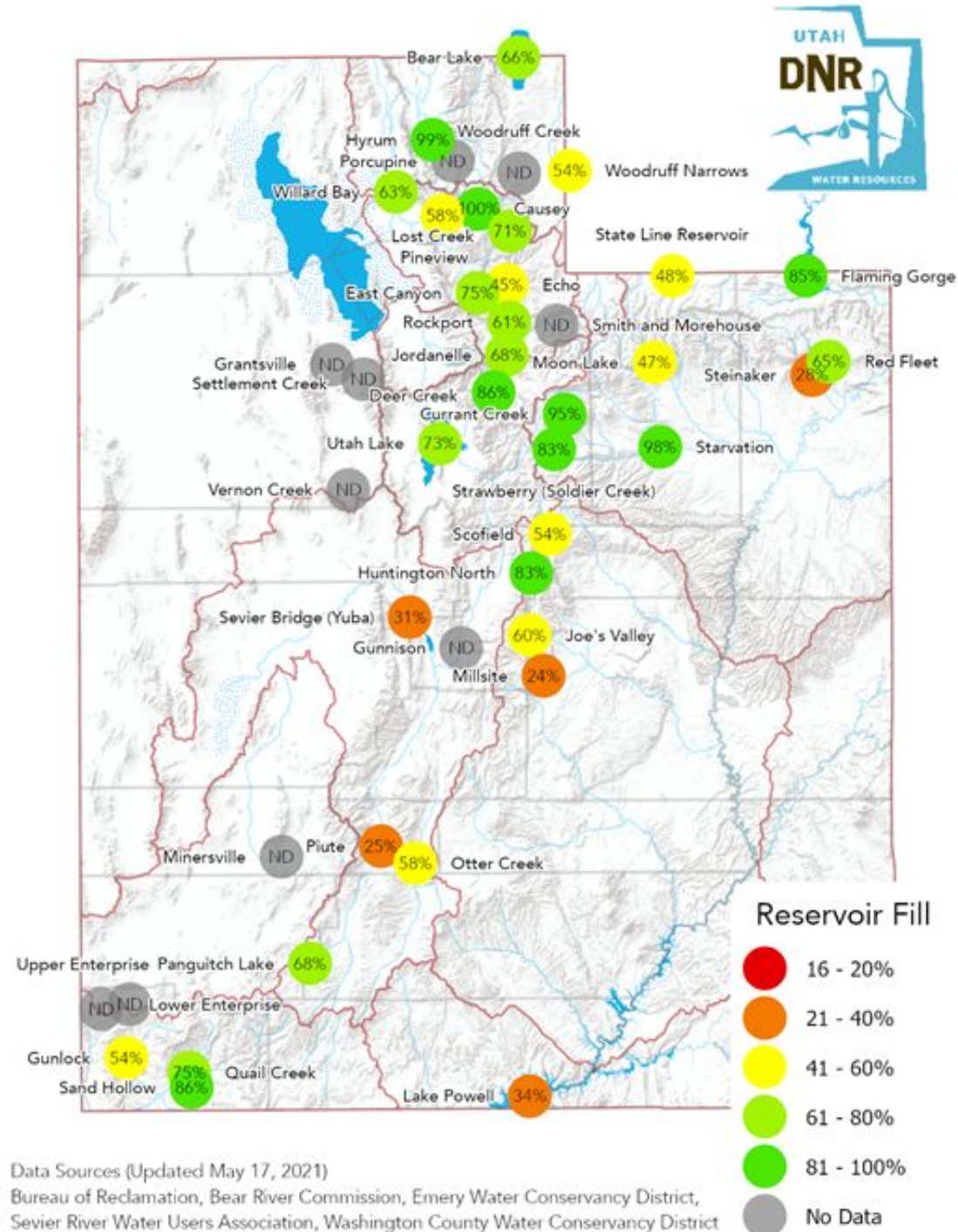
Agency - NRCS Snow Survey
Presenter - Jordan Clayton



Soil Moisture

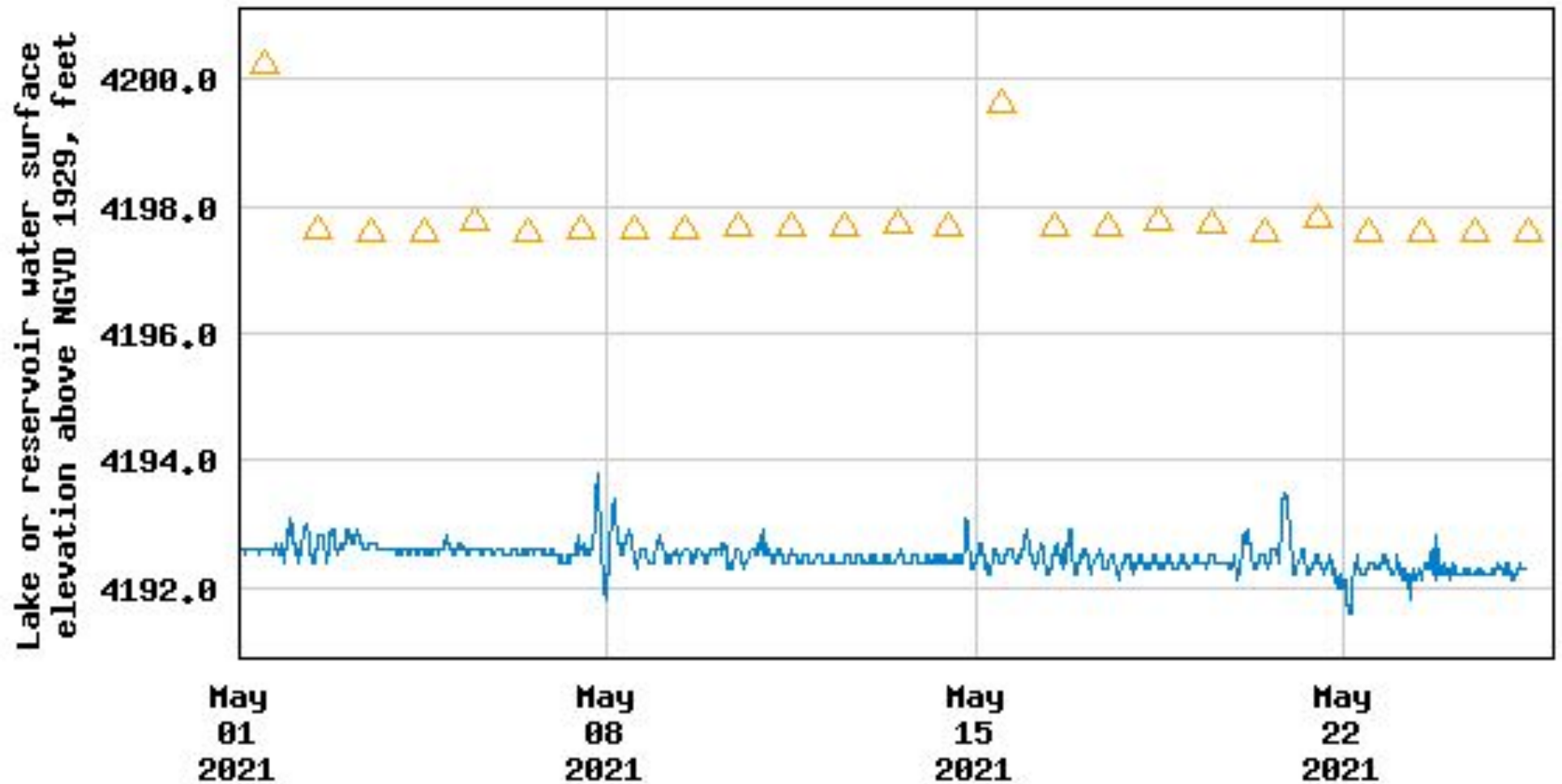


Agency - NRCS Snow Survey
Presenter - Jordan Clayton



Agency - Division of Water Resources
 w/NRCS & BOR data
 Presenter - Laura Haskell

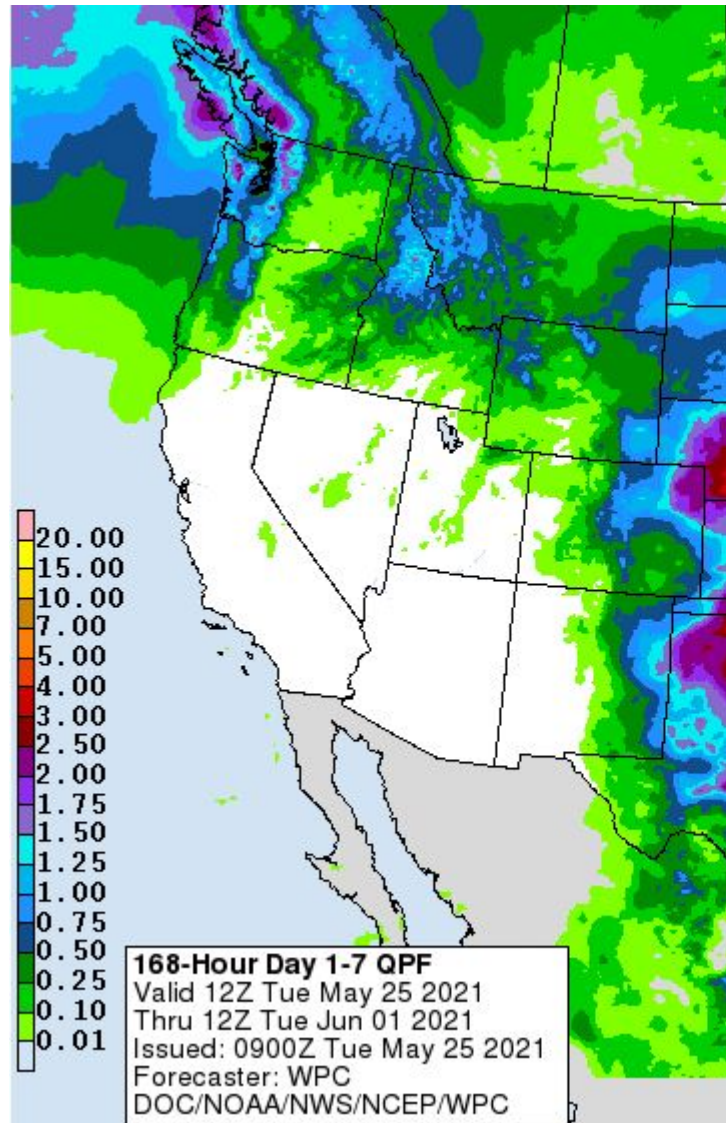
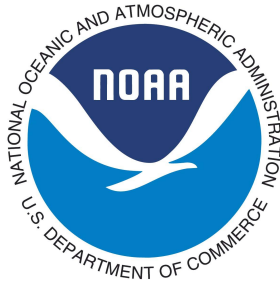
USGS 10010000 GREAT SALT LAKE AT SALTAIR BOAT HARBOR, UT



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

- △ Median daily statistic (31 years)
- Lake or reservoir water surface elevation above ngvd 1929

Weather Forecast Office Utah Day 1-7 Outlook

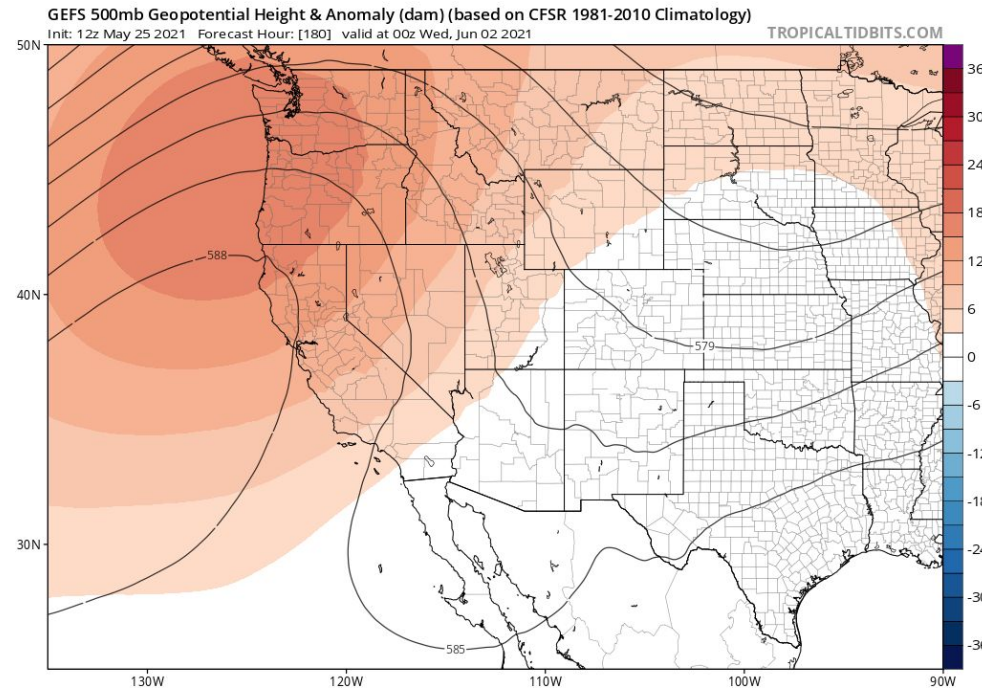


Largely dry, near zonal flow through this weekend

- Warming temperatures
- Dry and breezy conditions across the south

High pressure builds over the west coast early next week

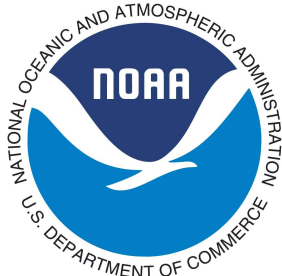
Entering the driest climatological period...



Agency - National Weather Service Weather Forecast Office

Presenter - Glen Merrill

Weather Prediction Center U.S. Day 3-7 Hazards Outlook



U.S. Day 3-7 Hazards Outlook

About the Hazards Outlook

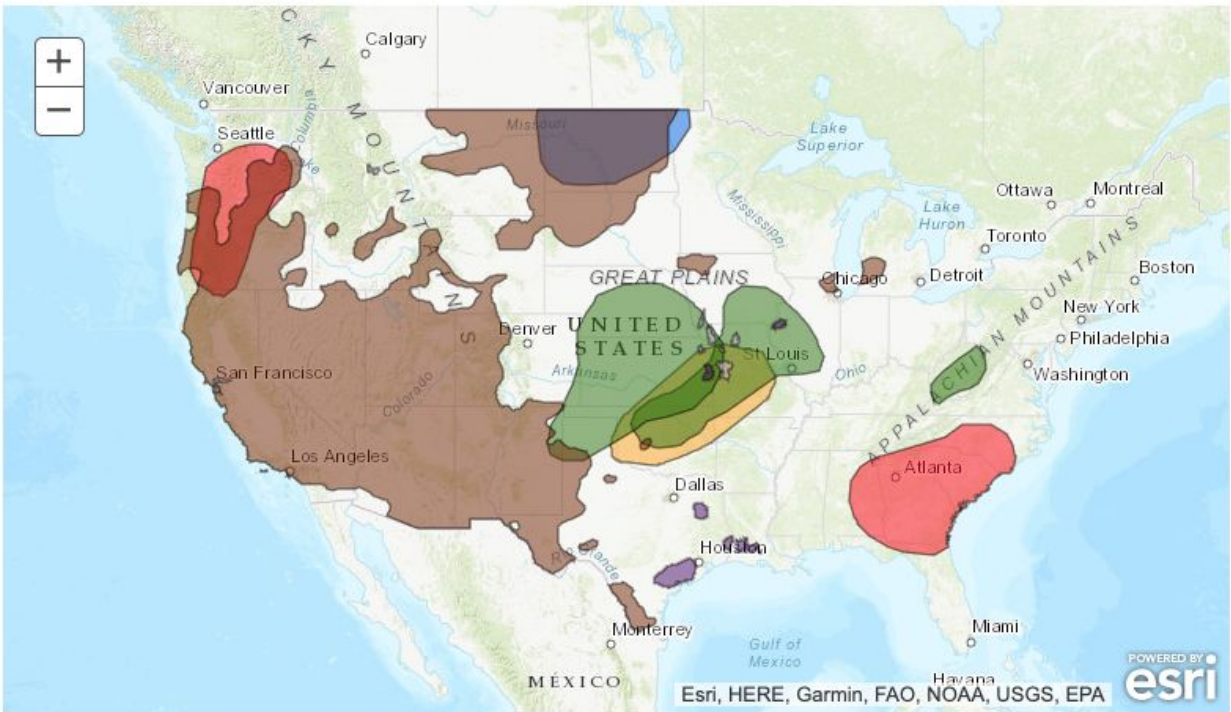
Created May 24, 2021

NOTE: These products are only created Monday through Friday. Please exercise caution using this outlook during the weekend.

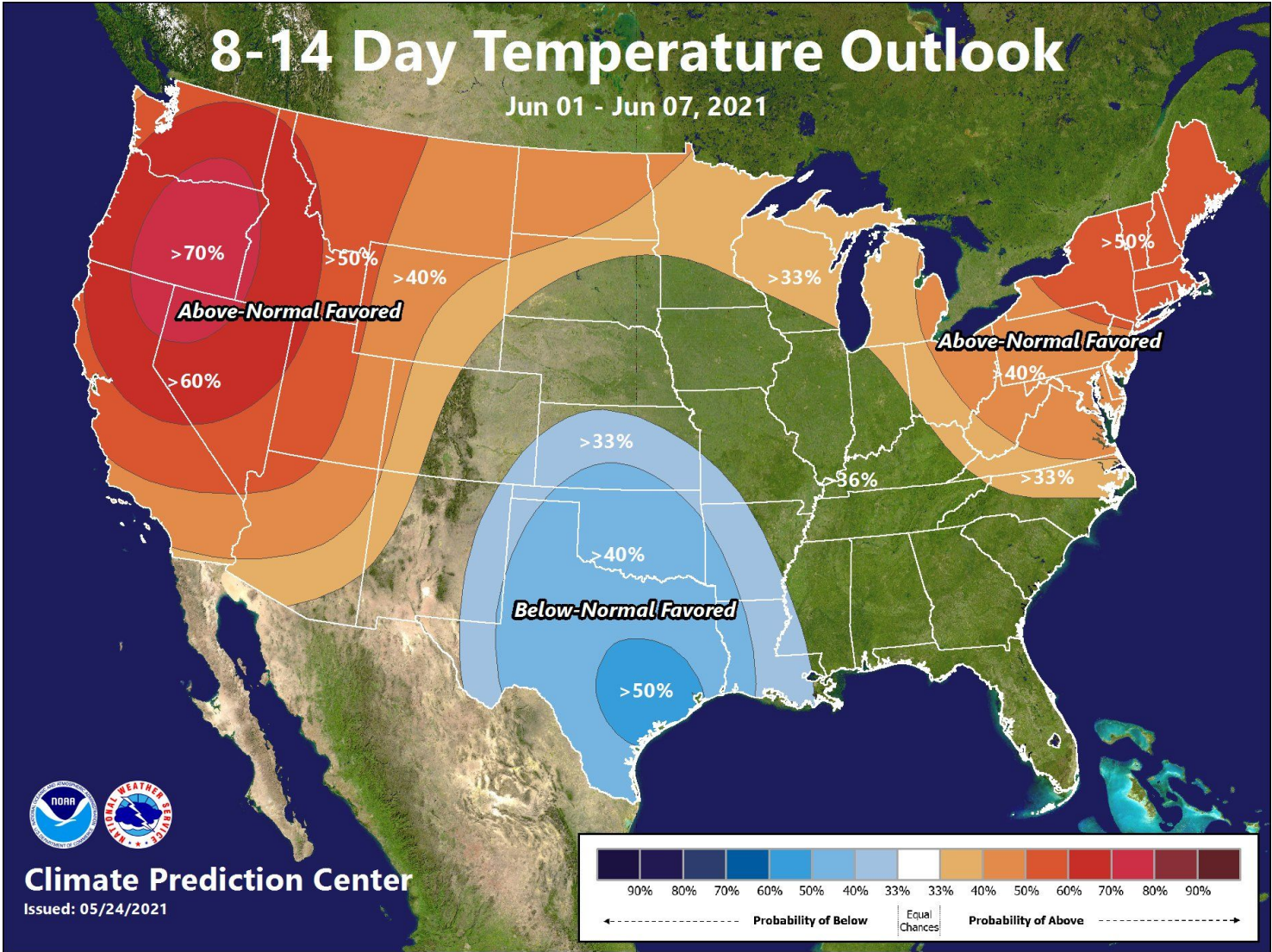
Precipitation	<input checked="" type="checkbox"/>
Temperature	<input checked="" type="checkbox"/>
Soils	<input checked="" type="checkbox"/>

Legend	
Flooding Likely	Excessive Heat
Flooding Occurring or Imminent	High Winds
Flooding Possible	Much Above Normal Temperatures
Freezing Rain	Much Below Normal Temperatures
Heavy Ice	Significant Waves
Heavy Precipitation	Enhanced Wildfire Risk
Heavy Rain	Severe Drought
Heavy Snow	
Severe Weather	

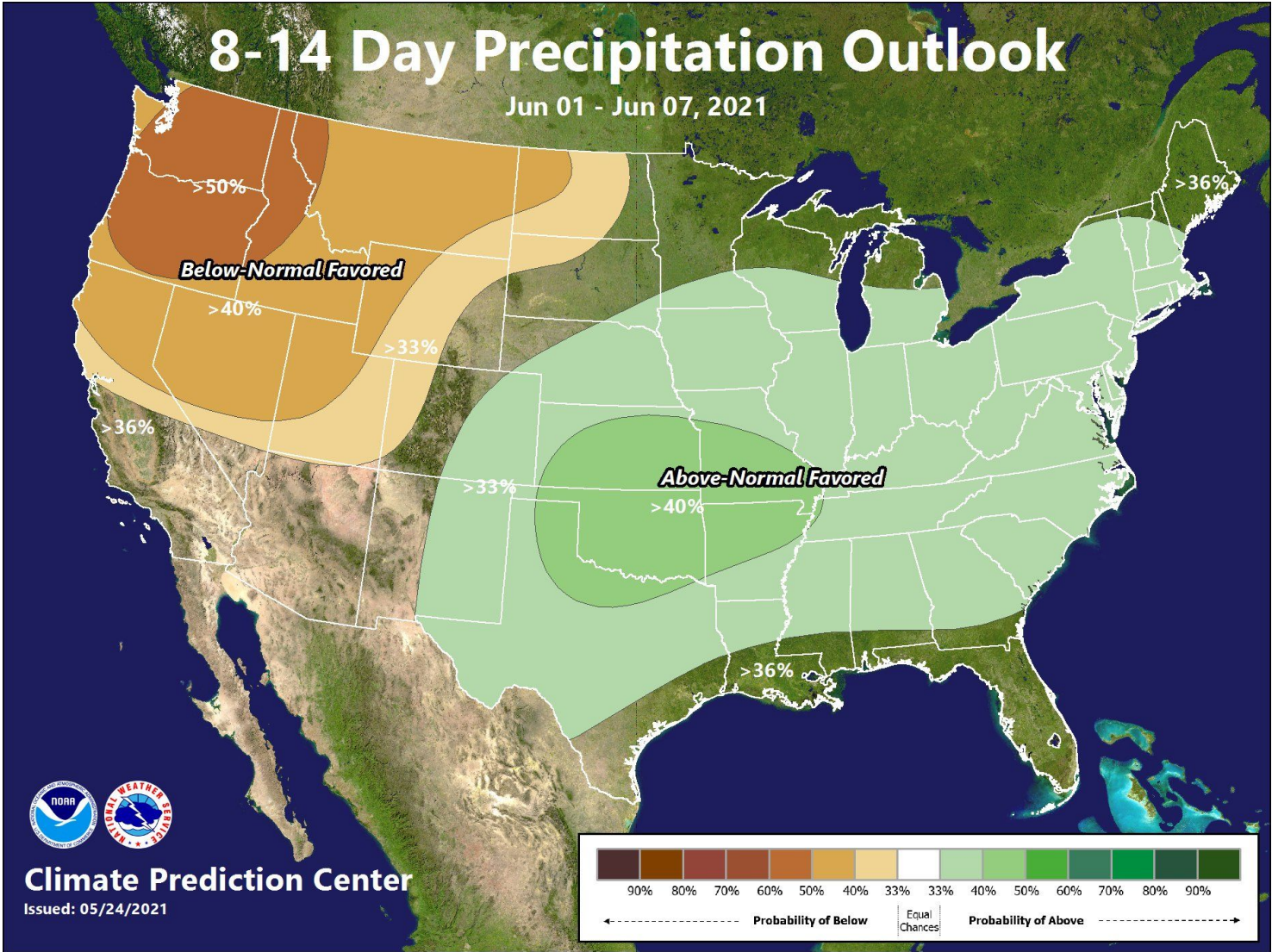
Valid May 27, 2021 - May 31, 2021



Climate Prediction Center 8 to 14 Day Outlooks - Temperature



Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

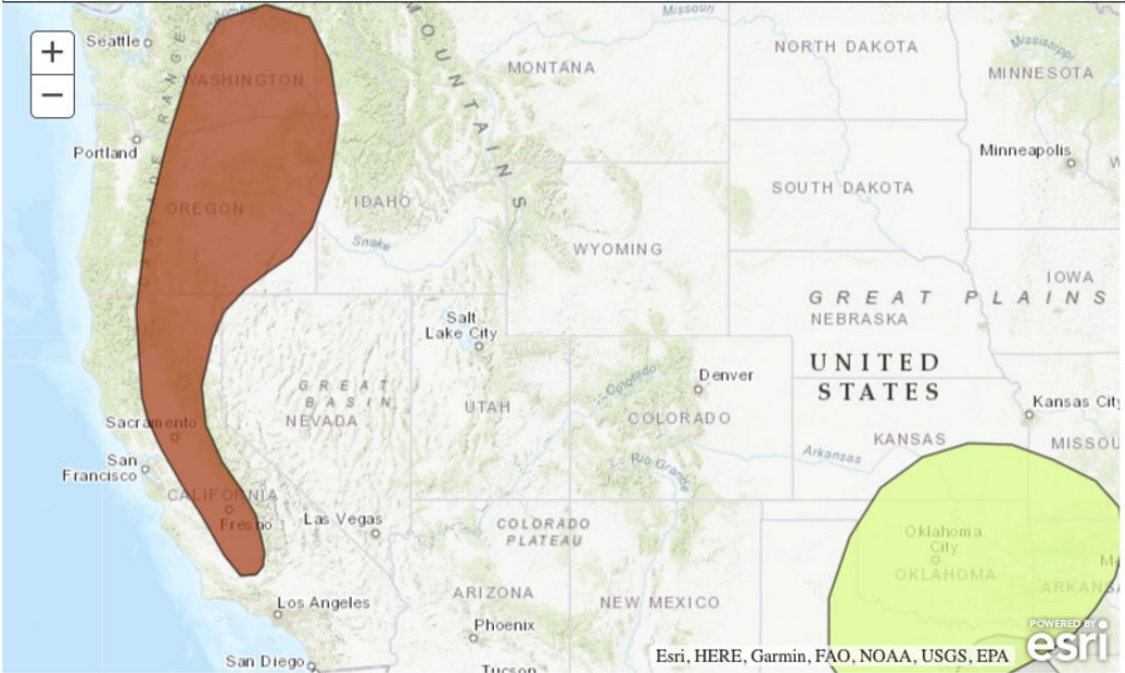


Climate Prediction Center U.S. Week-2 Hazards Outlook



U.S. Week-2 Hazards Outlook - Made May 24, 2021 | [About the Hazards Outlook](#)

Type and Period	Temperature	Precipitation	Snow	Wind
Composite Days 8-14 Map	No Hazards	<input checked="" type="checkbox"/>	No Hazards	No Hazards
Probabilistic Days 8-14 Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No Hazards	No Hazards



Much Above Normal Temperatures	Excessive Heat	Heavy Precipitation	Composite
High Risk	High Risk	High Risk	Flooding Possible
Moderate Risk	Moderate Risk	Moderate Risk	Frozen Precipitation
Slight Risk	Slight Risk	Slight Risk	
Much Below Normal Temperatures	High Winds	Heavy Snow	
High Risk	Moderate Risk	High Risk	
Moderate Risk	Slight Risk	Moderate Risk	
Slight Risk		Slight Risk	

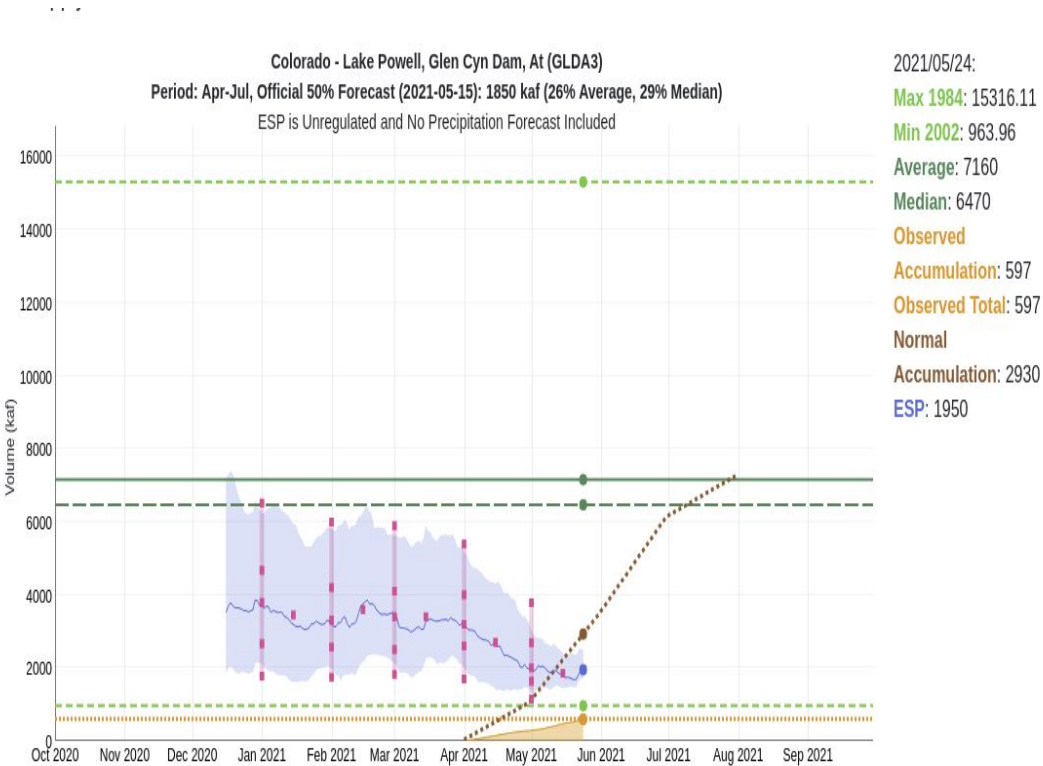
Water Supply Forecasts / Runoff (Percent of Average)

Current A-J ESP w/observations to date included: 5/24/2021

Map of seasonal water supply forecasts

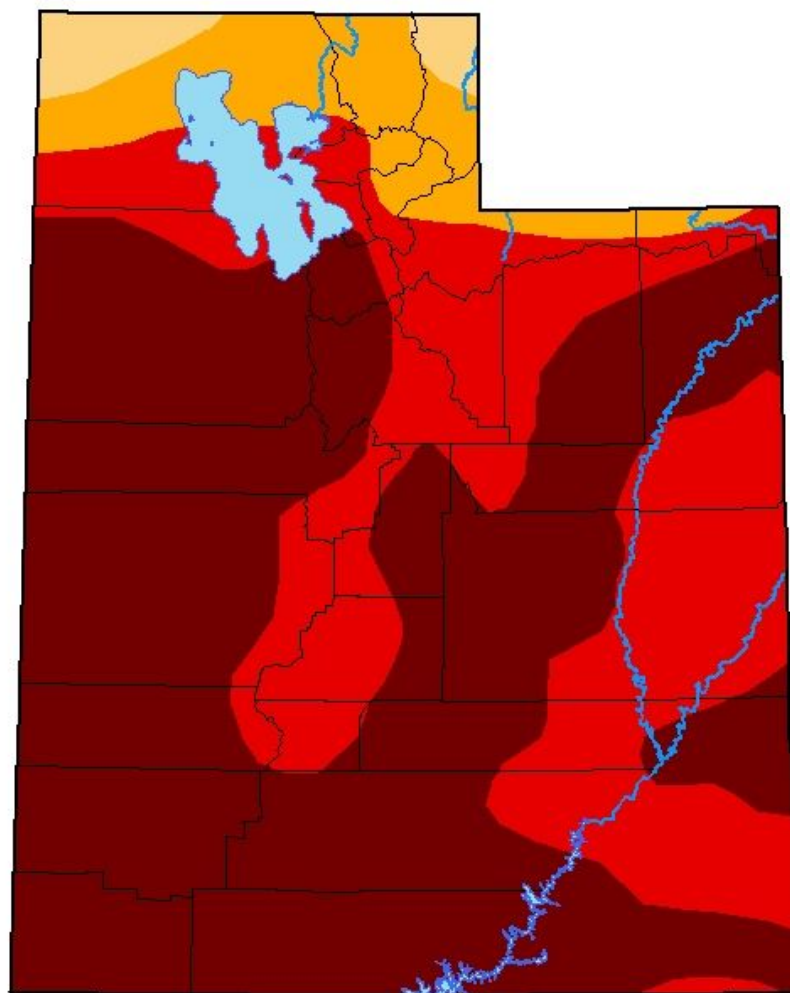
Summary of conditions at:

Weber Oakley	38%
Bear UT/ID	44%
Six Creeks Little Cottonwood	35%
Utah Lake	24%
Sevier Piute	28%
Green River Utah	33%
San Juan Bluff	38%
Lake Powell	26%

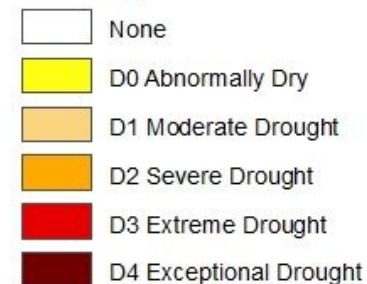


U.S. Drought Monitor Utah

May 18, 2021
(Released Thursday, May. 20, 2021)
Valid 8 a.m. EDT



Intensity:



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:

Adam Hartman
NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu