



Utah Drought Monitor Webinar

The meeting will begin shortly



Thank you to our contributors



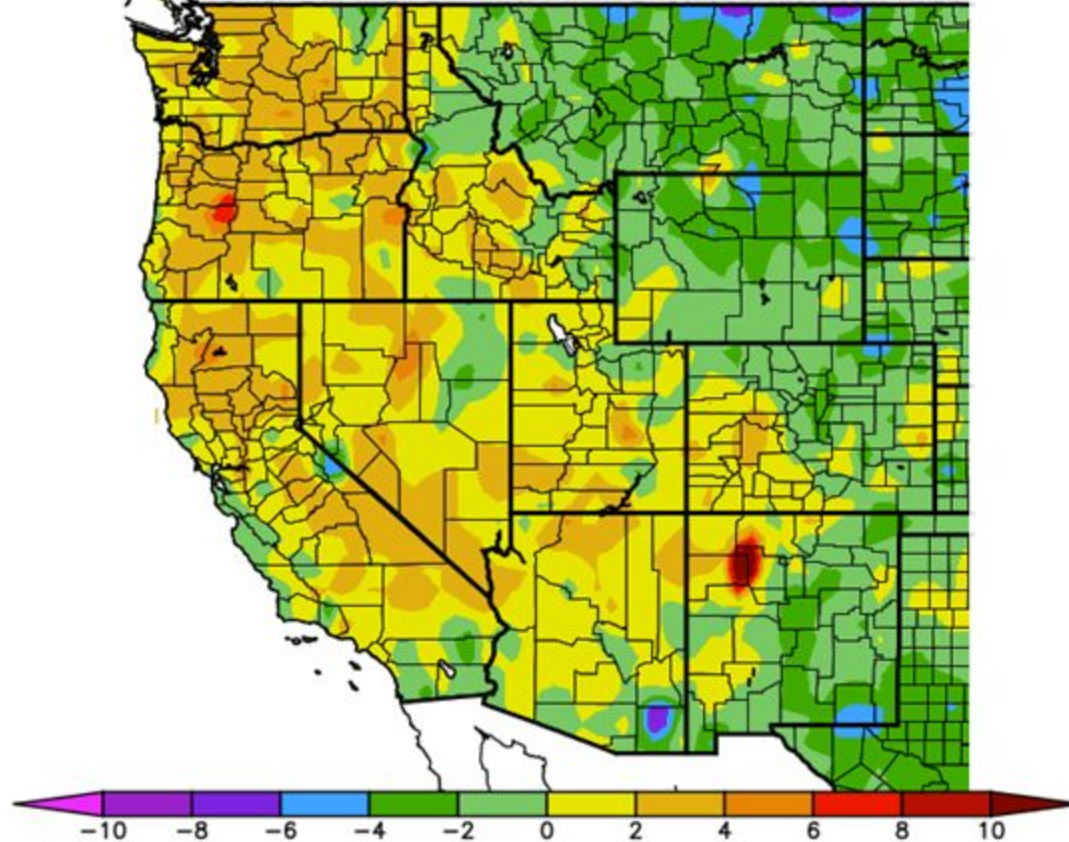


Utah Drought Monitor Webinar

May 11, 2021

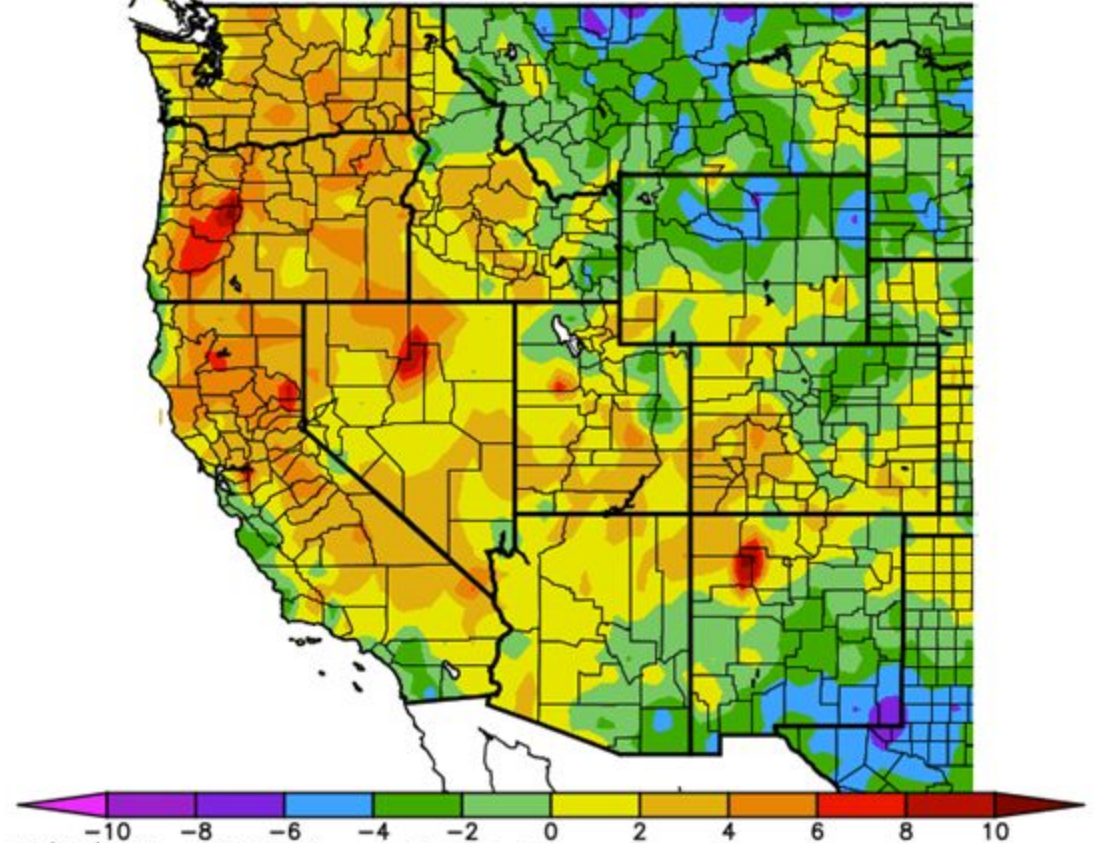
Temperature 14 day History

Ave. Temperature dep from Ave (deg F)
4/27/2021 – 5/10/2021



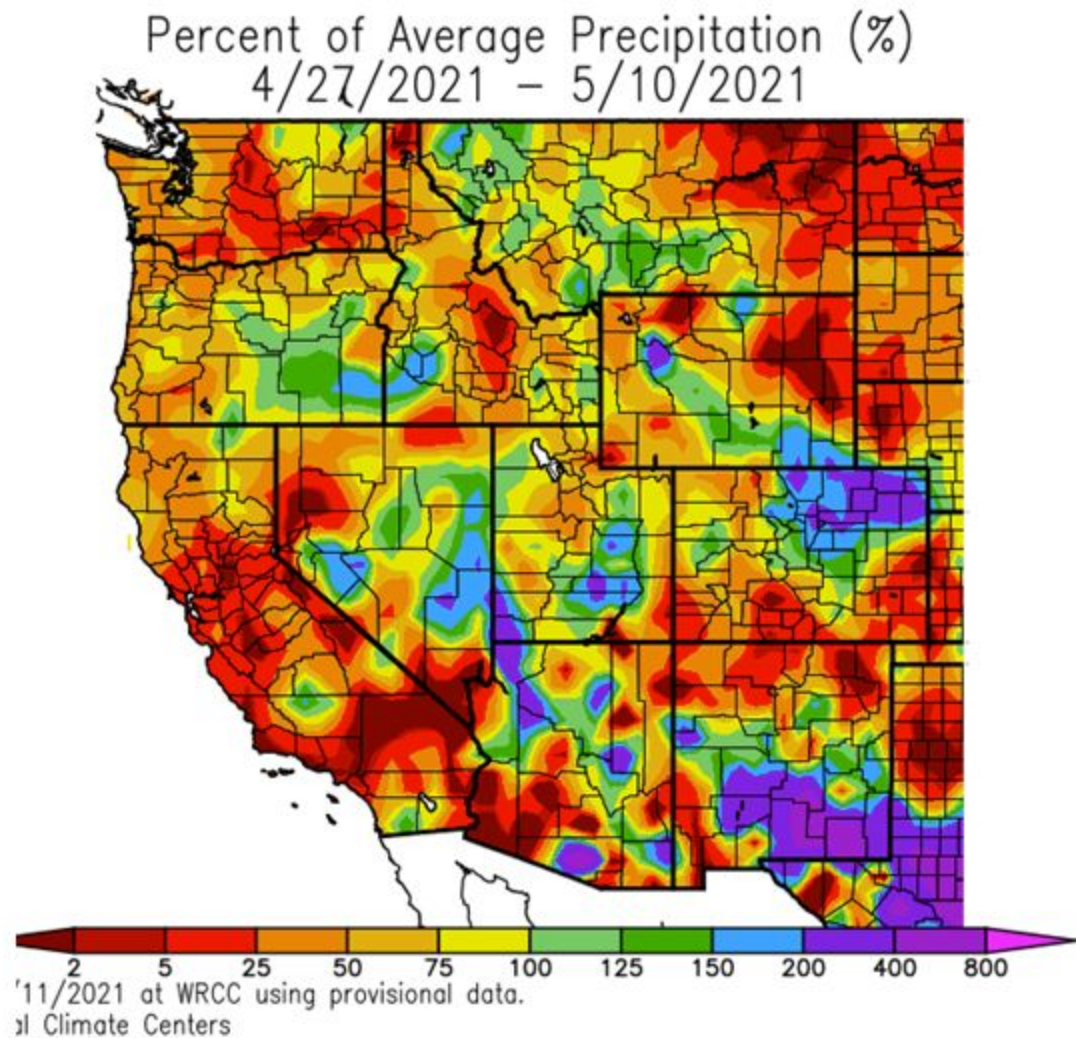
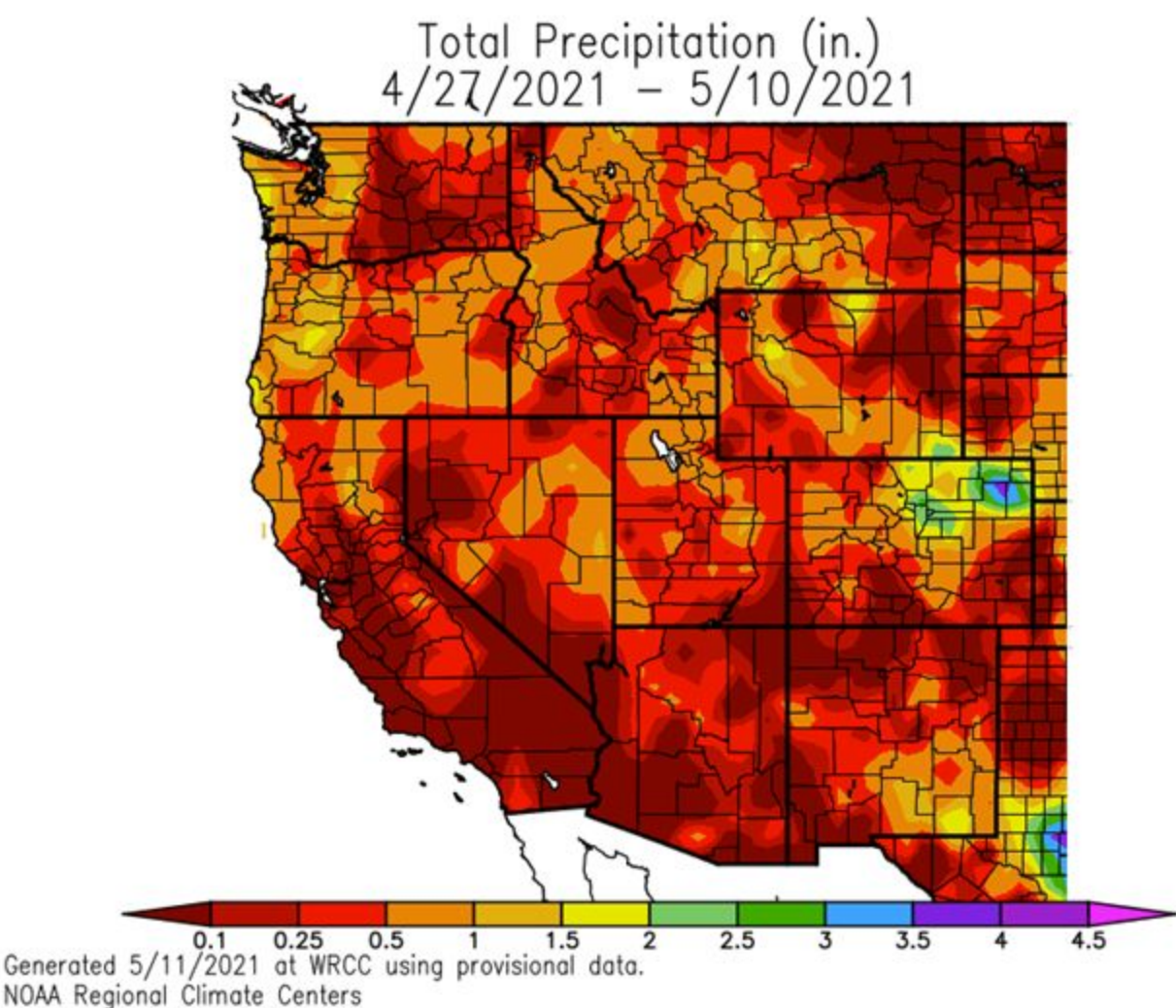
Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
4/27/2021 – 5/10/2021



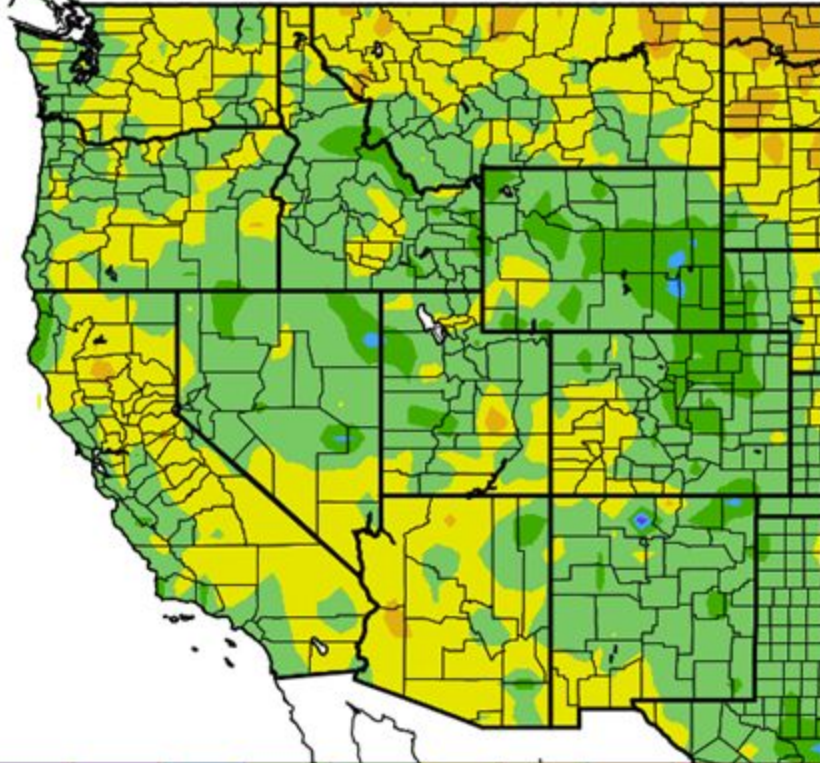
Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation 14 day history



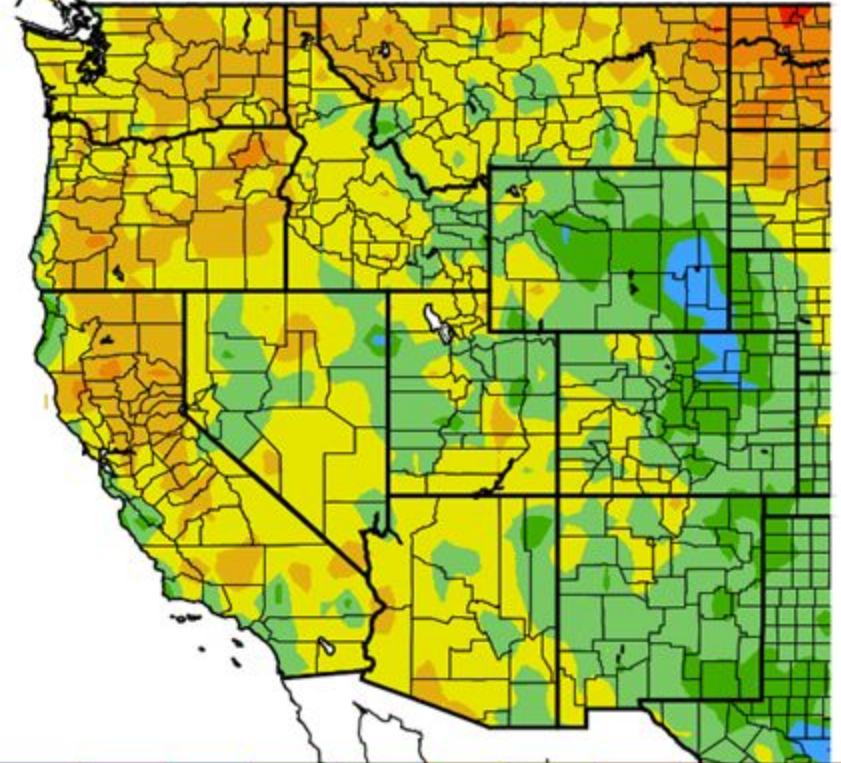
Temperature 60 day

Ave. Temperature dep from Ave (deg F)
3/12/2021 – 5/10/2021



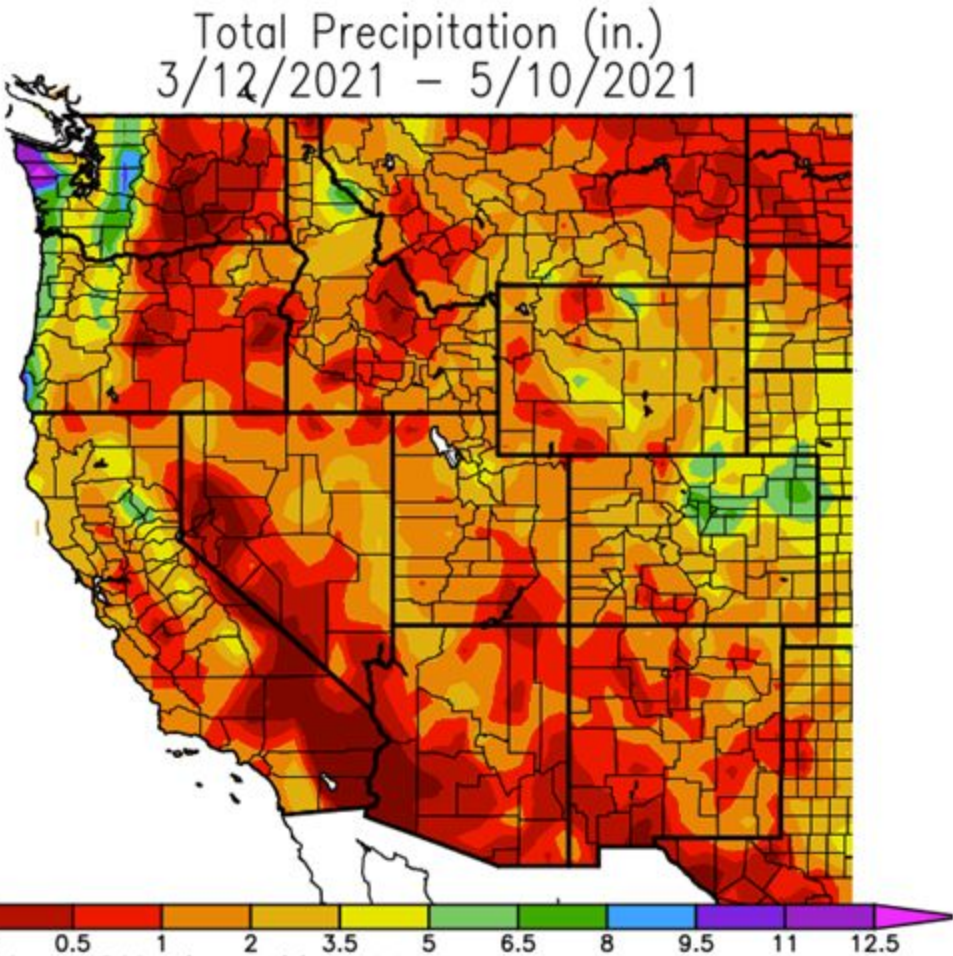
Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
3/12/2021 – 5/10/2021

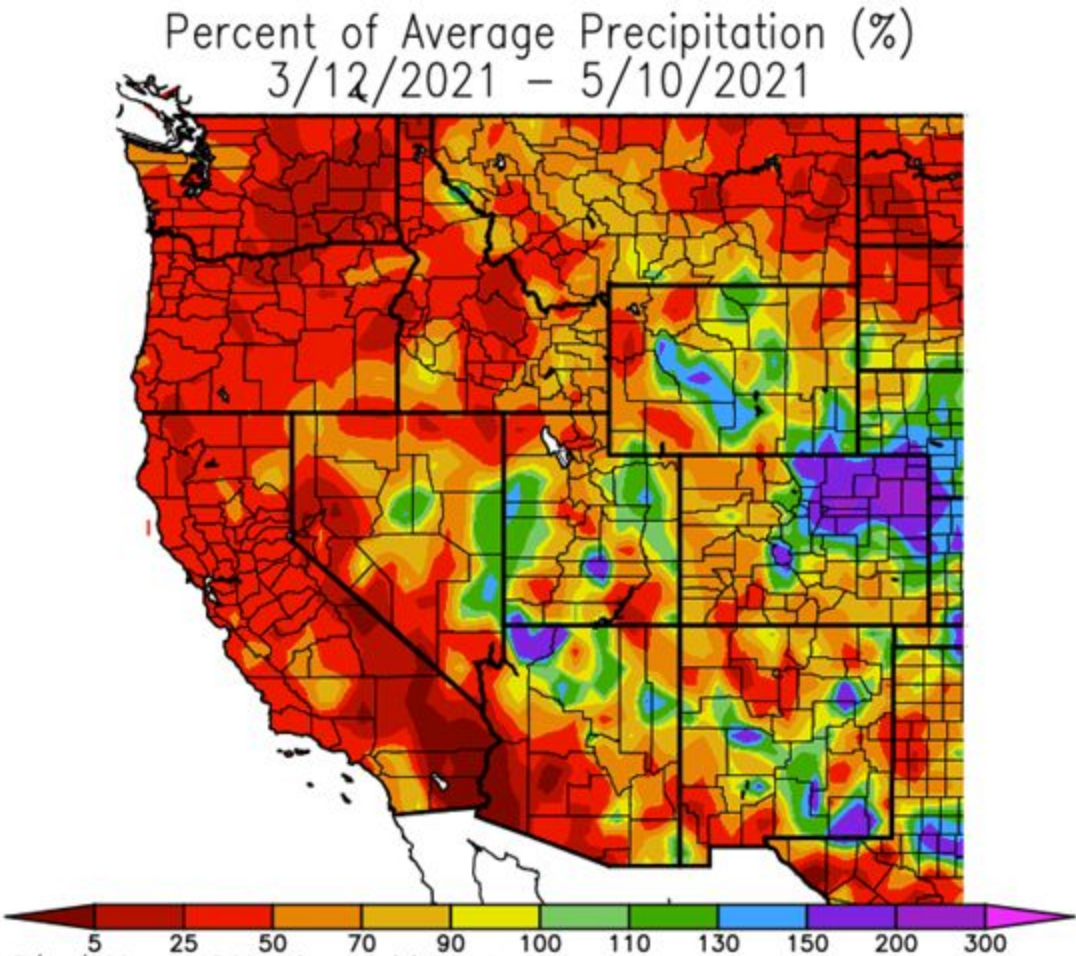


Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation 60 day history



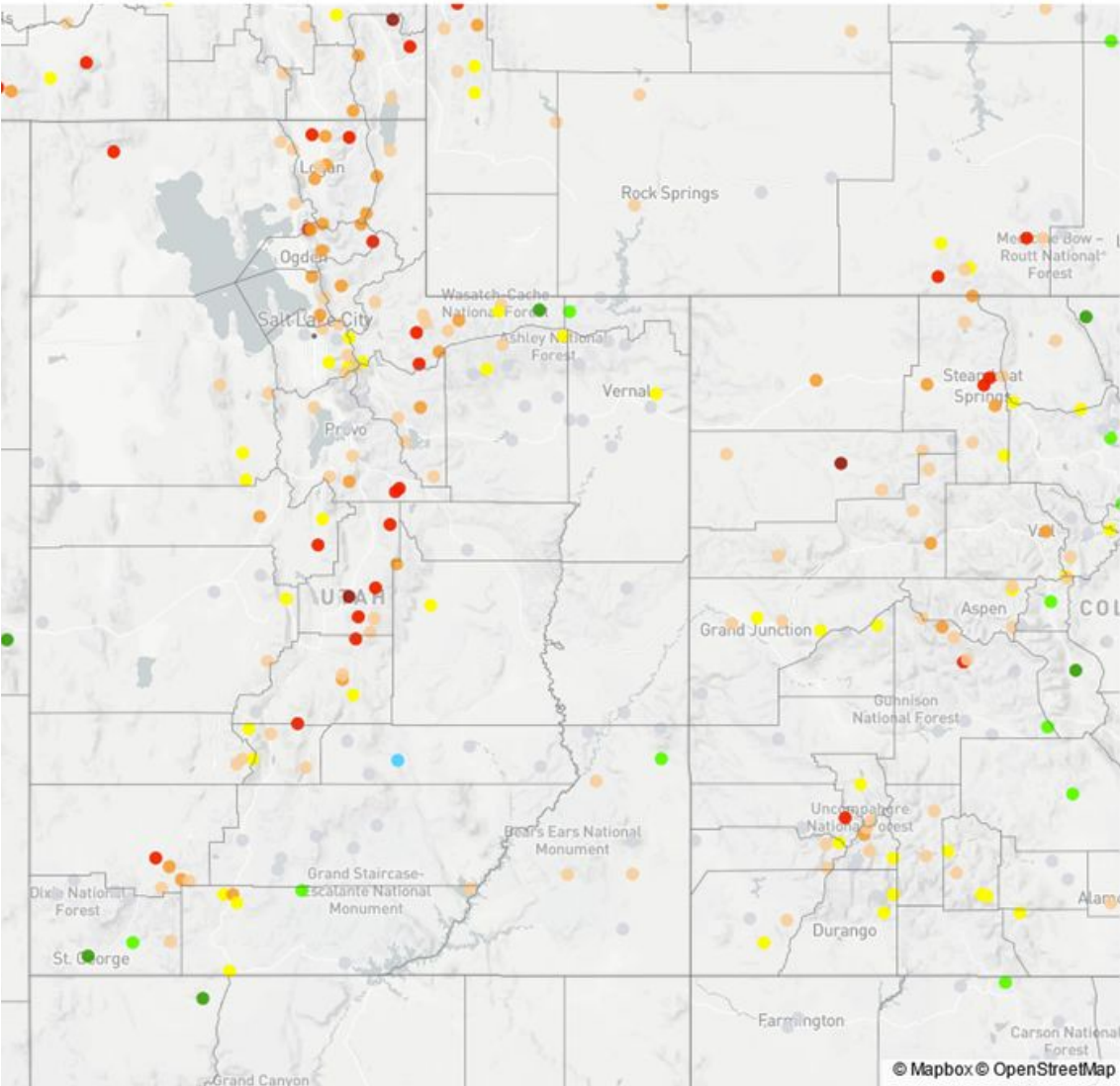
Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers



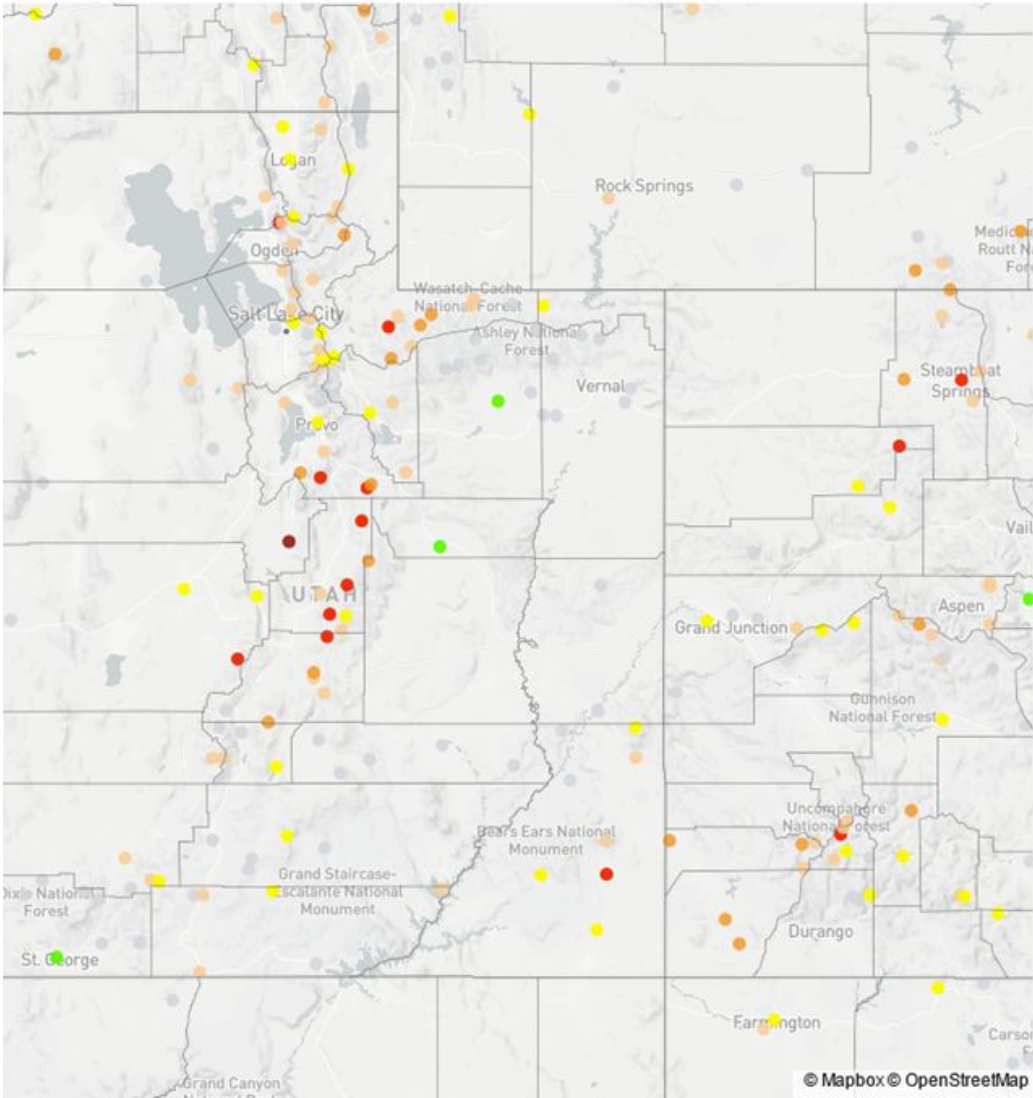
Generated 5/11/2021 at WRCC using provisional data.
NOAA Regional Climate Centers

Standardized Precipitation Index (60-day & 30-day)

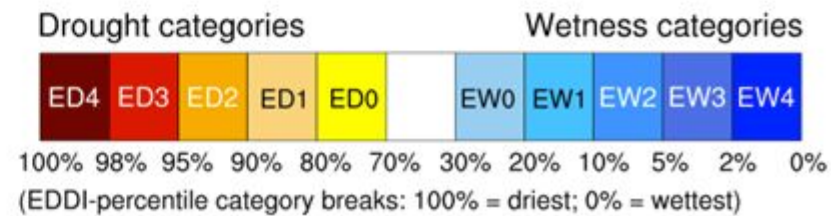
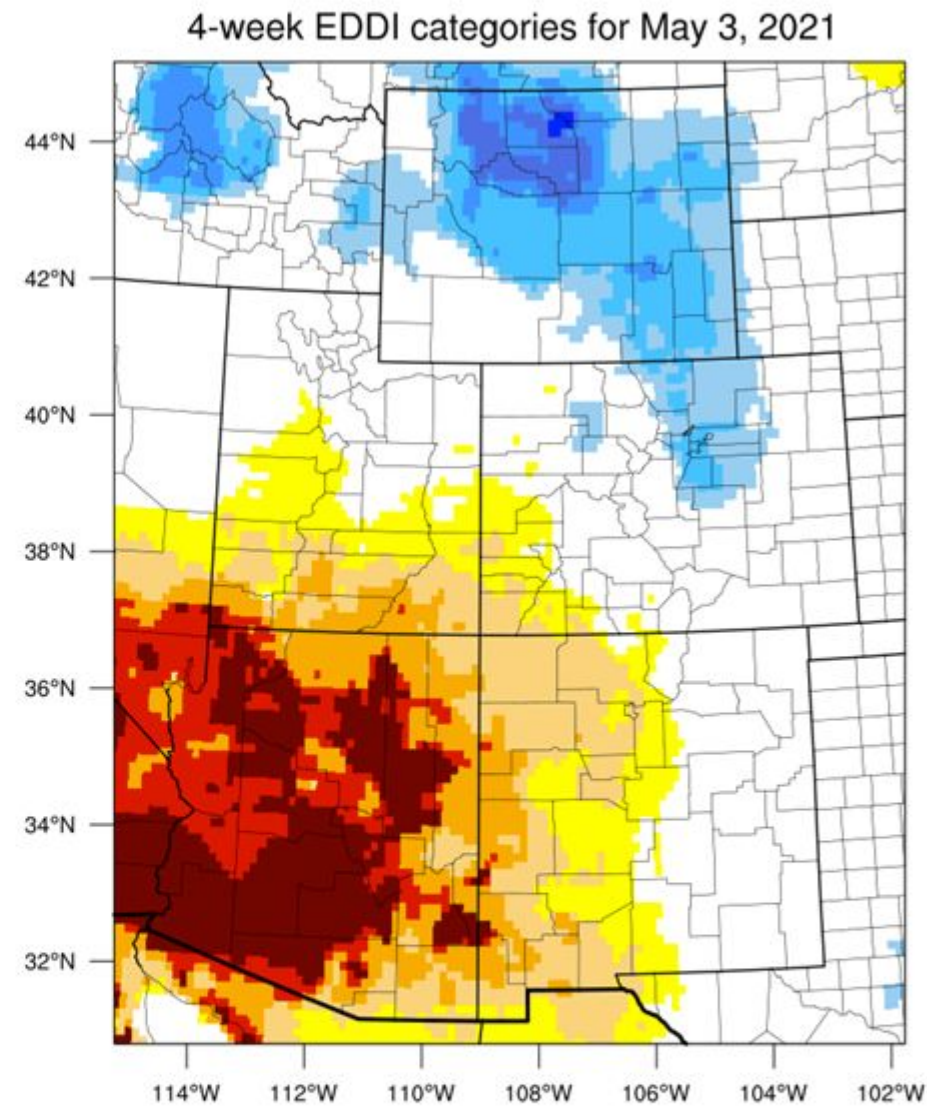
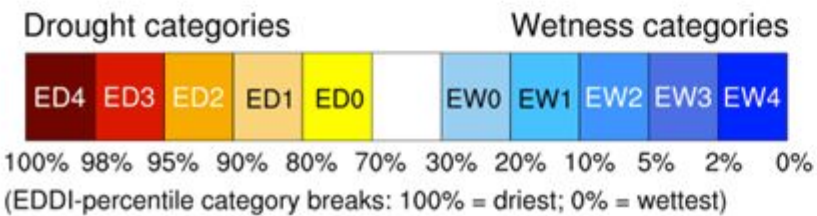
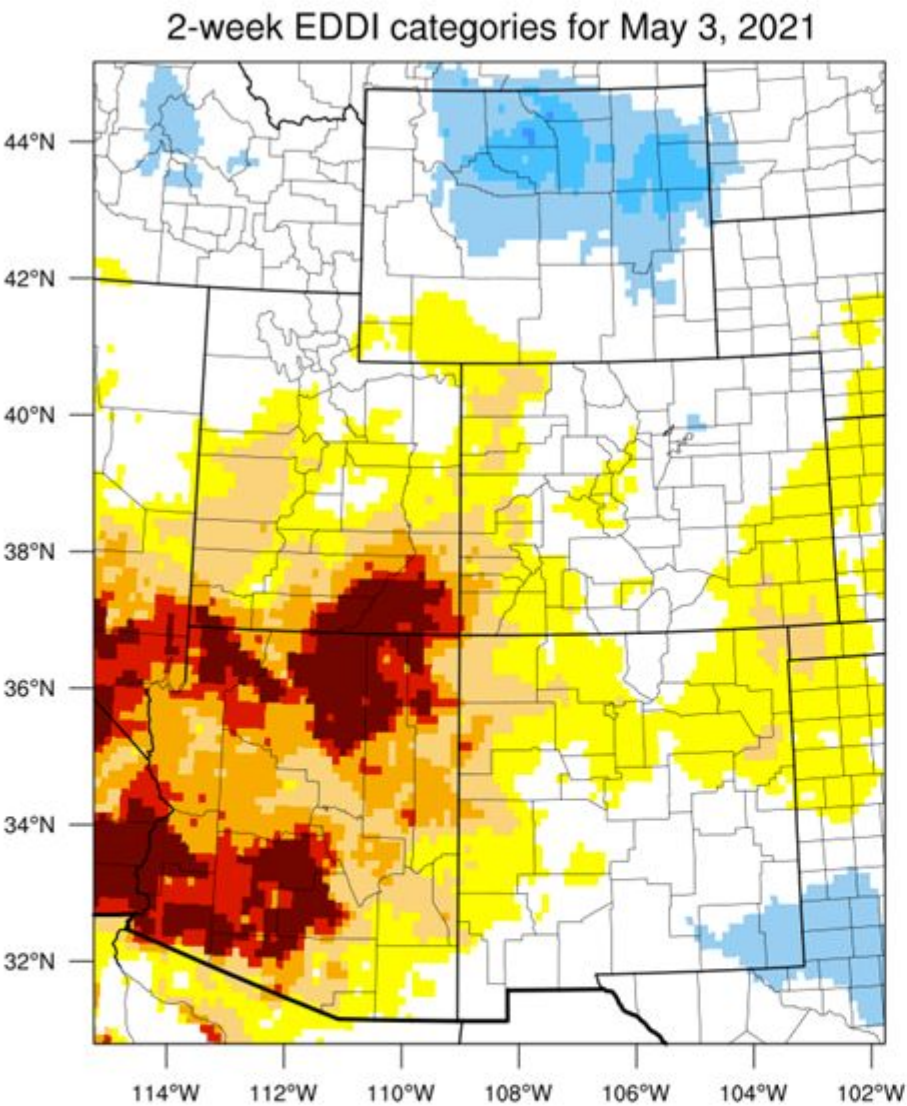
60-day Standardized Precipitation Index: 2021/03/10 - 2021/05/09



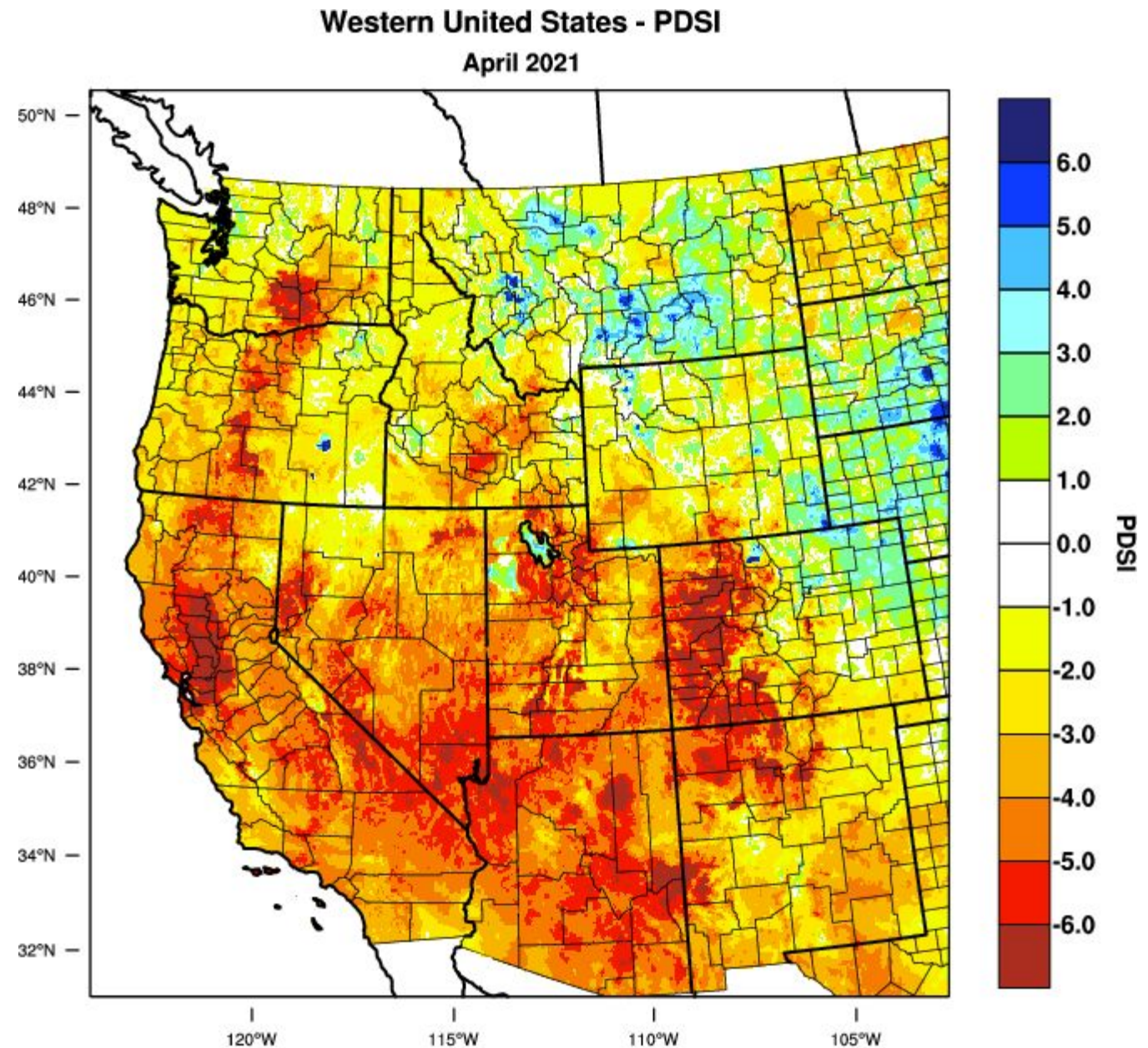
30-day Standardized Precipitation Index: 2021/04/10 - 2021/05/09



Evaporative Demand Drought Index



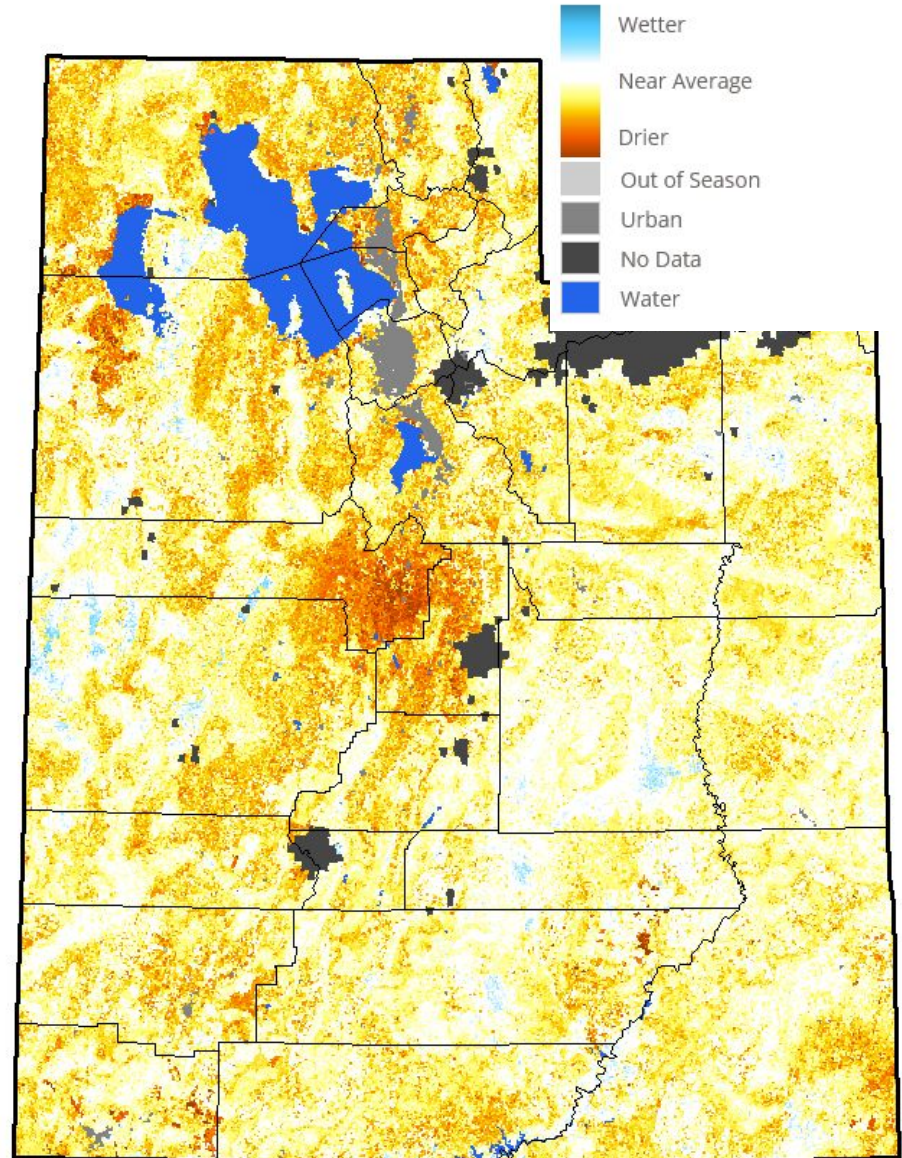
Palmer Drought Severity Index



WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 11 MAY 2021

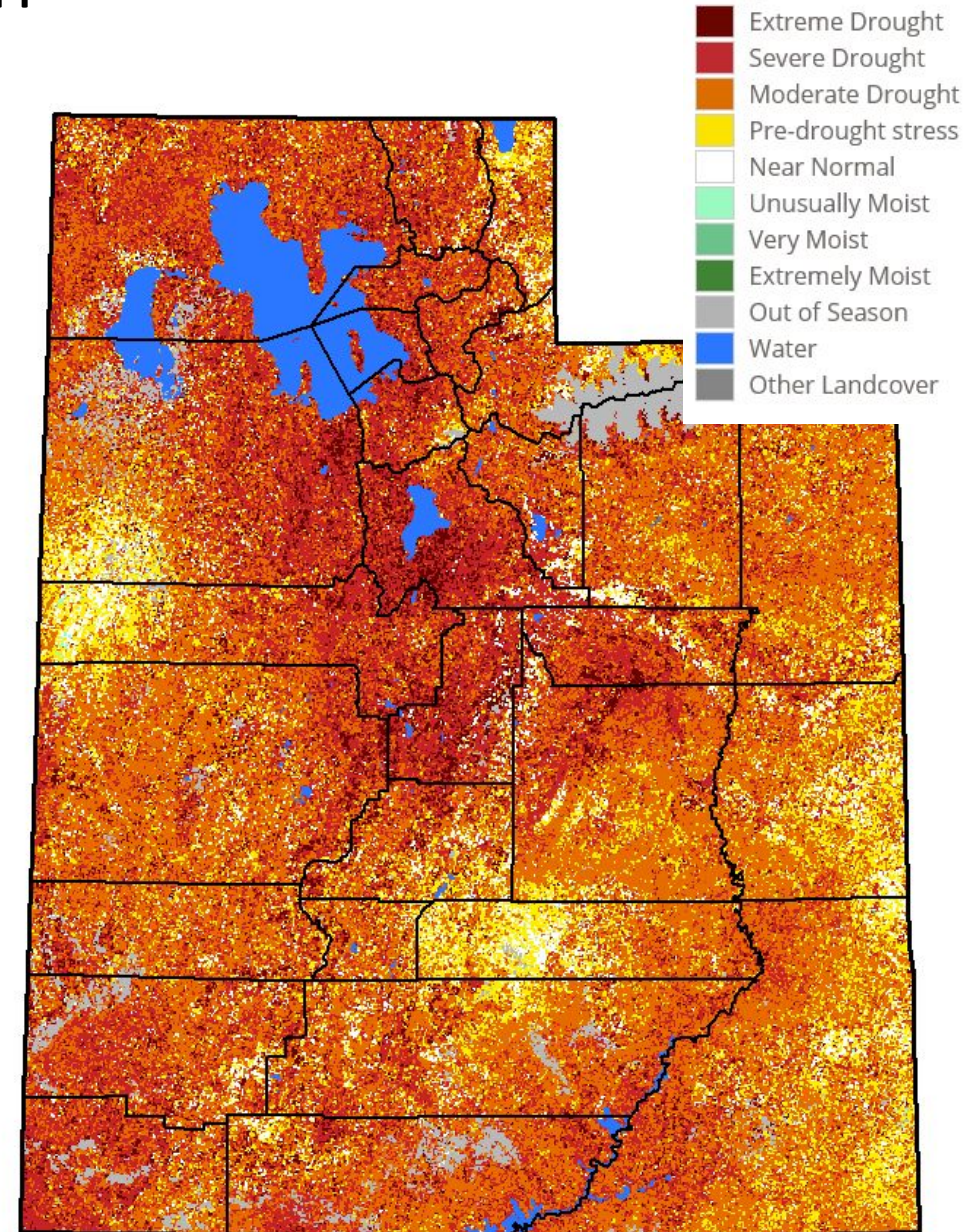
Agency - Utah CLimate Center
Presenter - Jon Meyer

Conditions Relative to
4-Week Historical Normals



Quick Dri vs VegDri

Vegetation Condition

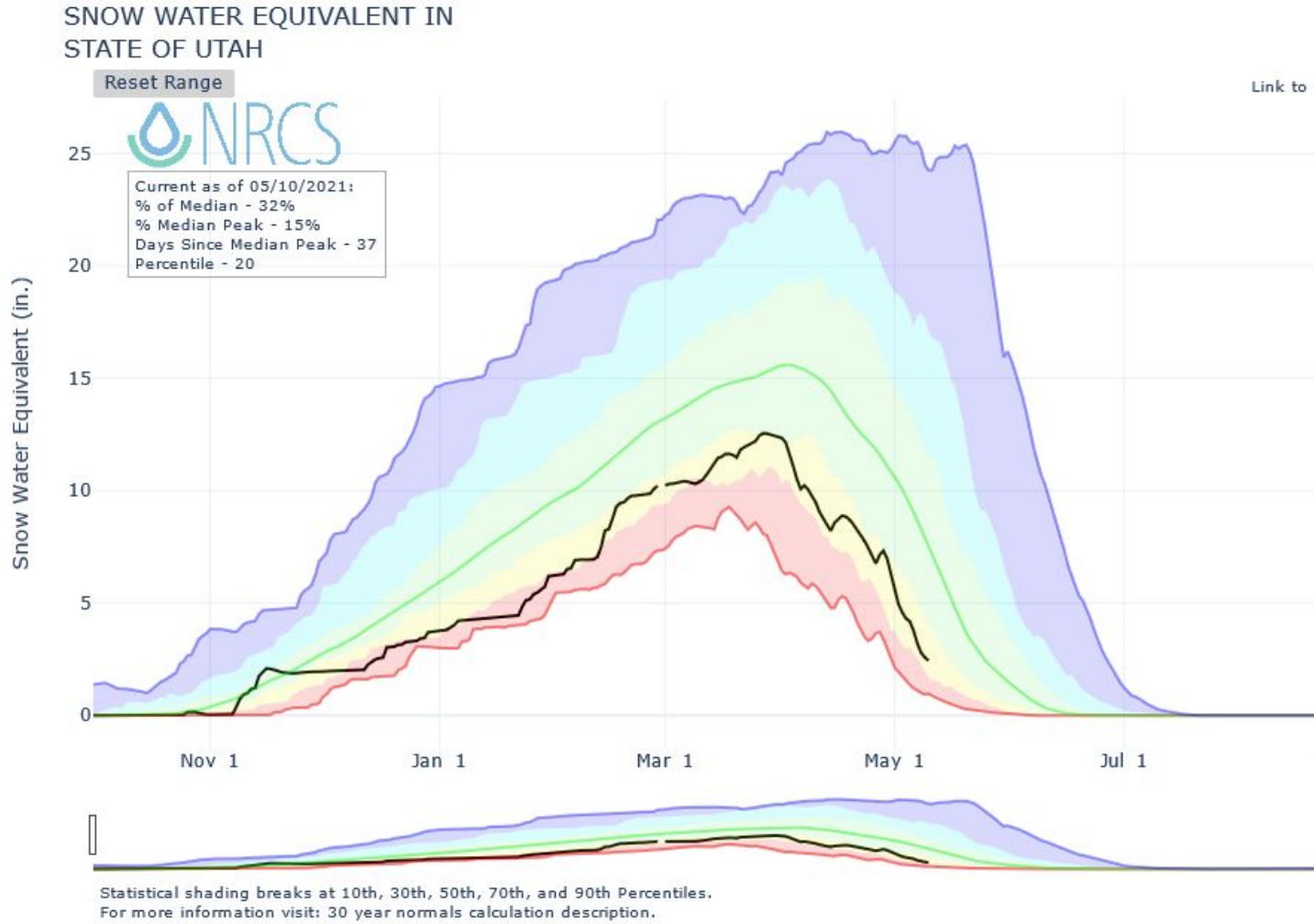


Agency - Utah CLimate Center

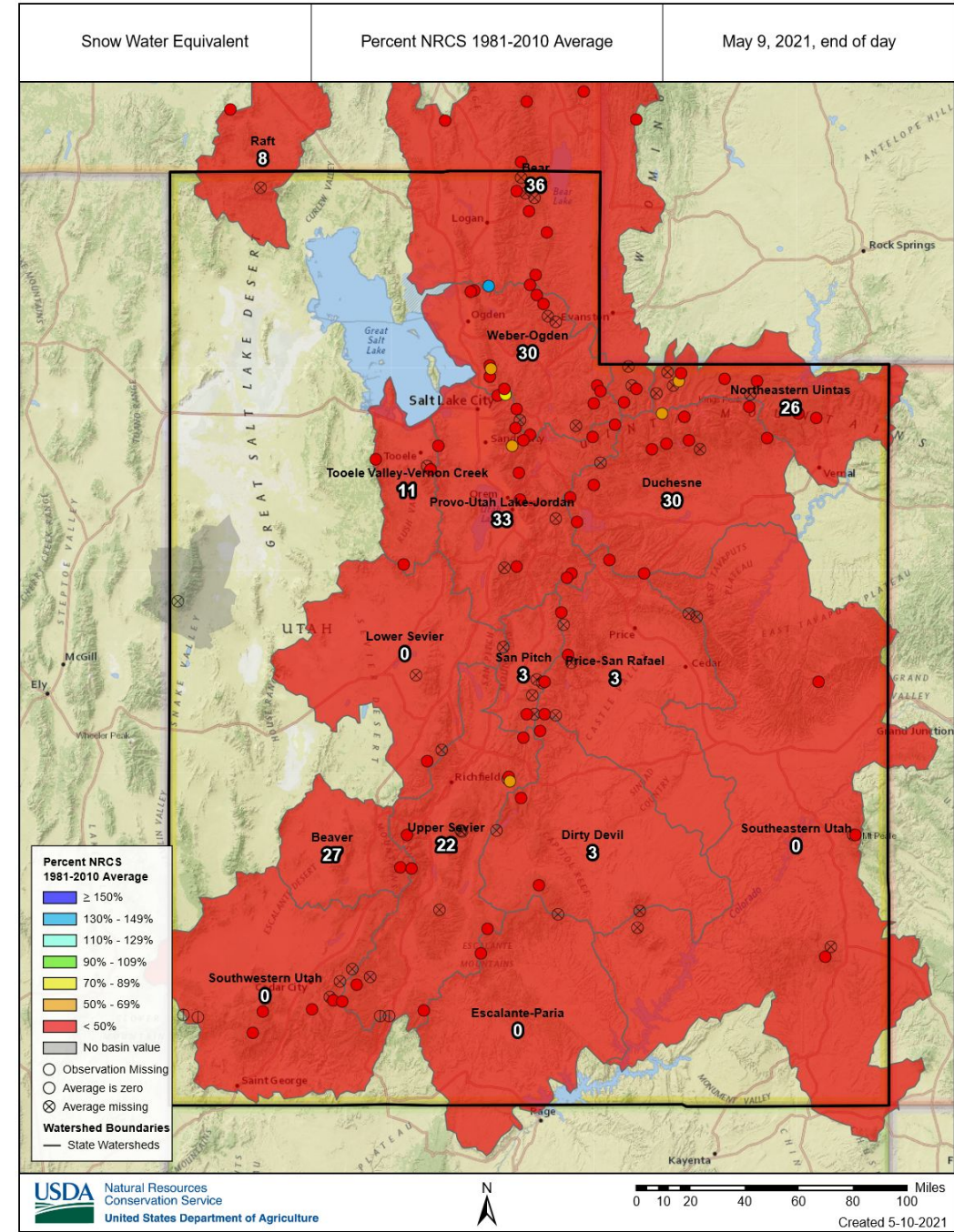
Presenter - Jon Meyer

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	01/26/2021 05:00 am	0.01"	0.16"	0.00"	0.00"	0.01"	0.01"	-0.01"	-0.01"
Brigham City, UT VWS	Brigham City	05/11/2021 10:00 am	0.16"	1.00"	0.10"	0.64"	0.00"	0.09"	0.10"	0.57"
Randolph, UT VWS	Randolph	05/11/2021 10:00 am	0.09"	0.93"	0.06"	0.60"	0.06"	0.10"	0.02"	0.52"
Weber Basin Water	Layton	05/11/2021 10:00 am	0.14"	1.23"	0.09"	0.79"	0.00"	0.03"	0.09"	0.76"
Morgan, UT VWS	Morgan	05/11/2021 10:00 am	0.13"	1.00"	0.08"	0.64"	0.01"	0.12"	0.07"	0.55"
North Salt Lake, UT VWS	North Salt Lake	05/11/2021 10:00 am	0.16"	1.10"	0.10"	0.71"	0.00"	0.09"	0.10"	0.64"
Park City, UT VWS	Park City	05/11/2021 10:00 am	0.10"	0.89"	0.07"	0.57"	0.01"	0.10"	0.06"	0.49"
Solamere	Park City	05/11/2021 08:15 am	0.12"	1.08"	0.08"	0.69"	0.03"	0.12"	0.06"	0.59"
Tooele, UT VWS	Tooele	05/11/2021 10:00 am	0.15"	1.04"	0.10"	0.67"	0.01"	0.14"	0.09"	0.56"
Jordan Valley WCD	West Jordan	05/10/2021 08:00 am	0.17"	1.58"	0.11"	1.00"	0.02"	0.03"	0.09"	0.97"
Daybreak, UT VWS	South Jordan	05/11/2021 10:00 am	0.16"	1.16"	0.10"	0.75"	0.00"	0.09"	0.10"	0.68"
Provo, UT VWS	Provo	05/11/2021 10:00 am	0.16"	1.10"	0.11"	0.71"	0.00"	0.05"	0.10"	0.67"
Heber City, UT VWS	Heber City	05/11/2021 10:00 am	0.14"	1.05"	0.09"	0.68"	0.01"	0.08"	0.08"	0.61"
Duchesne, UT VWS	Duchesne	05/11/2021 10:00 am	0.18"	1.20"	0.12"	0.77"	0.01"	0.01"	0.11"	0.77"
Vernal, UT VWS	Vernal	05/11/2021 10:00 am	0.14"	1.11"	0.09"	0.71"	0.01"	0.01"	0.09"	0.70"
Manilla, UT VWS	Manilla	05/11/2021 10:00 am	0.10"	0.99"	0.07"	0.64"	0.06"	0.07"	0.02"	0.58"
Nephi, UT VWS	Nephi	05/11/2021 10:00 am	0.15"	1.06"	0.10"	0.68"	0.01"	0.03"	0.09"	0.66"
Delta, UT VWS	Delta	05/11/2021 10:00 am	0.18"	1.09"	0.12"	0.70"	0.00"	0.01"	0.12"	0.70"
Manti, UT VWS	Manti	05/11/2021 10:00 am	0.16"	1.05"	0.11"	0.68"	0.00"	0.00"	0.11"	0.68"
Richfield, UT VWS	Richfield	05/11/2021 10:00 am	0.19"	1.09"	0.12"	0.70"	0.00"	0.00"	0.12"	0.70"
Circleville, UT VWS	Circleville	05/11/2021 10:00 am	0.19"	1.21"	0.13"	0.78"	0.00"	0.00"	0.13"	0.78"
Price, UT VWS	Price	05/11/2021 10:00 am	0.20"	1.26"	0.13"	0.81"	0.00"	0.00"	0.13"	0.81"
Castle Dale, UT VWS	Castle Dale	05/11/2021 10:00 am	0.20"	1.21"	0.13"	0.78"	0.00"	0.00"	0.13"	0.78"
Loa, UT VWS	Loa	05/11/2021 10:00 am	0.19"	1.18"	0.13"	0.76"	0.00"	0.00"	0.13"	0.76"
Escalante, UT VWS	Escalante	05/11/2021 10:00 am	0.24"	1.31"	0.16"	0.84"	0.00"	0.00"	0.16"	0.84"
Moab, UT VWS	Moab	05/11/2021 10:00 am	0.18"	1.22"	0.12"	0.78"	0.00"	0.00"	0.12"	0.78"
Blanding, UT VWS	Blanding	05/11/2021 10:00 am	0.23"	1.28"	0.17"	0.93"	0.00"	0.00"	0.17"	0.93"
Beaver, UT VWS	Beaver	05/11/2021 10:00 am	0.19"	1.13"	0.13"	0.73"	0.00"	0.00"	0.13"	0.73"
Cedar City, UT VWS	Cedar City	05/11/2021 10:00 am	0.19"	1.18"	0.13"	0.76"	0.00"	0.00"	0.13"	0.76"
St. George, UT VWS	St. George	05/11/2021 10:00 am	0.27"	1.42"	0.20"	1.02"	0.00"	0.00"	0.20"	1.02"
Kanab, UT VWS	Kanab	05/11/2021 10:00 am	0.24"	1.35"	0.18"	0.97"	0.00"	0.00"	0.18"	0.97"

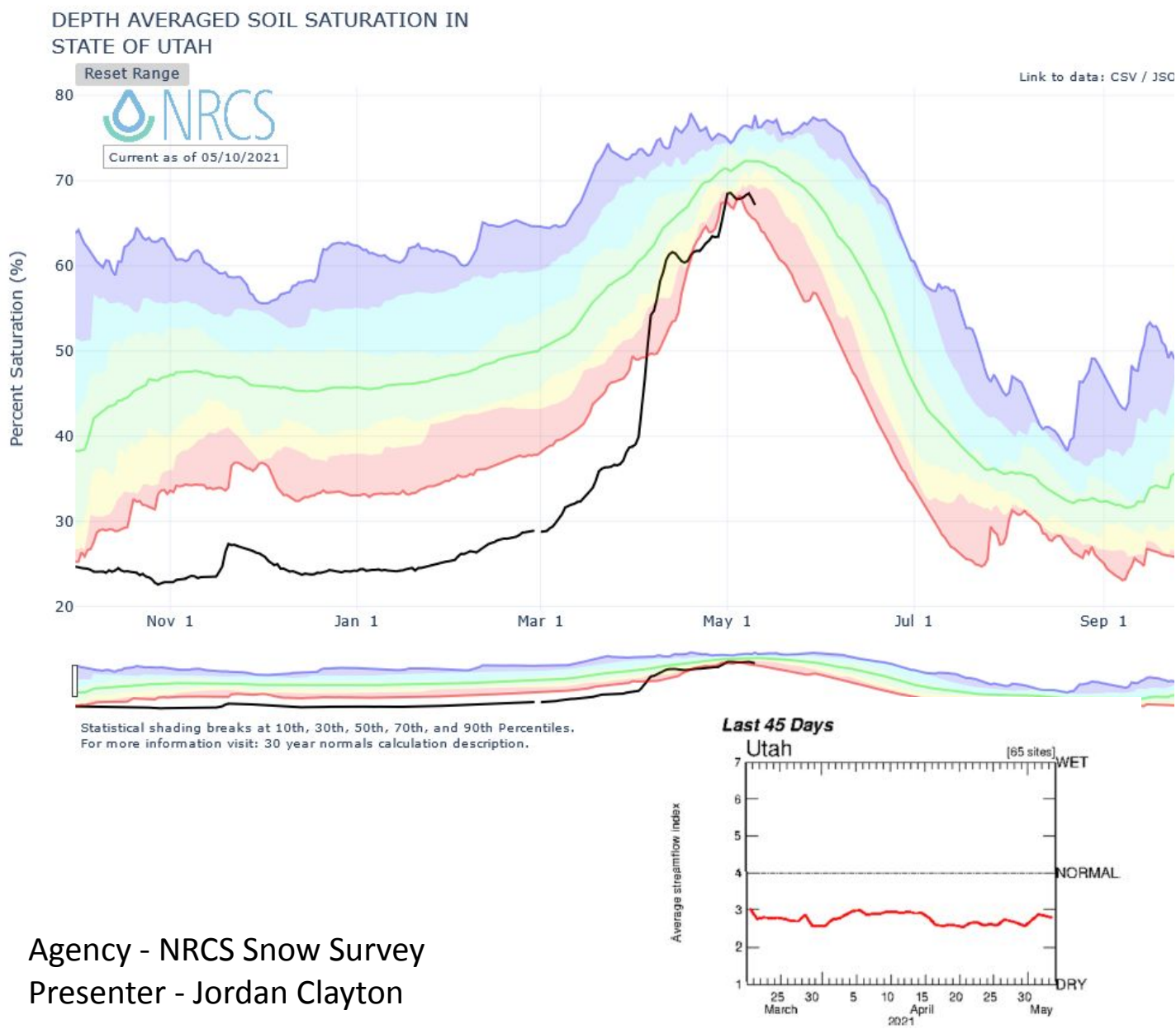
Snowpack



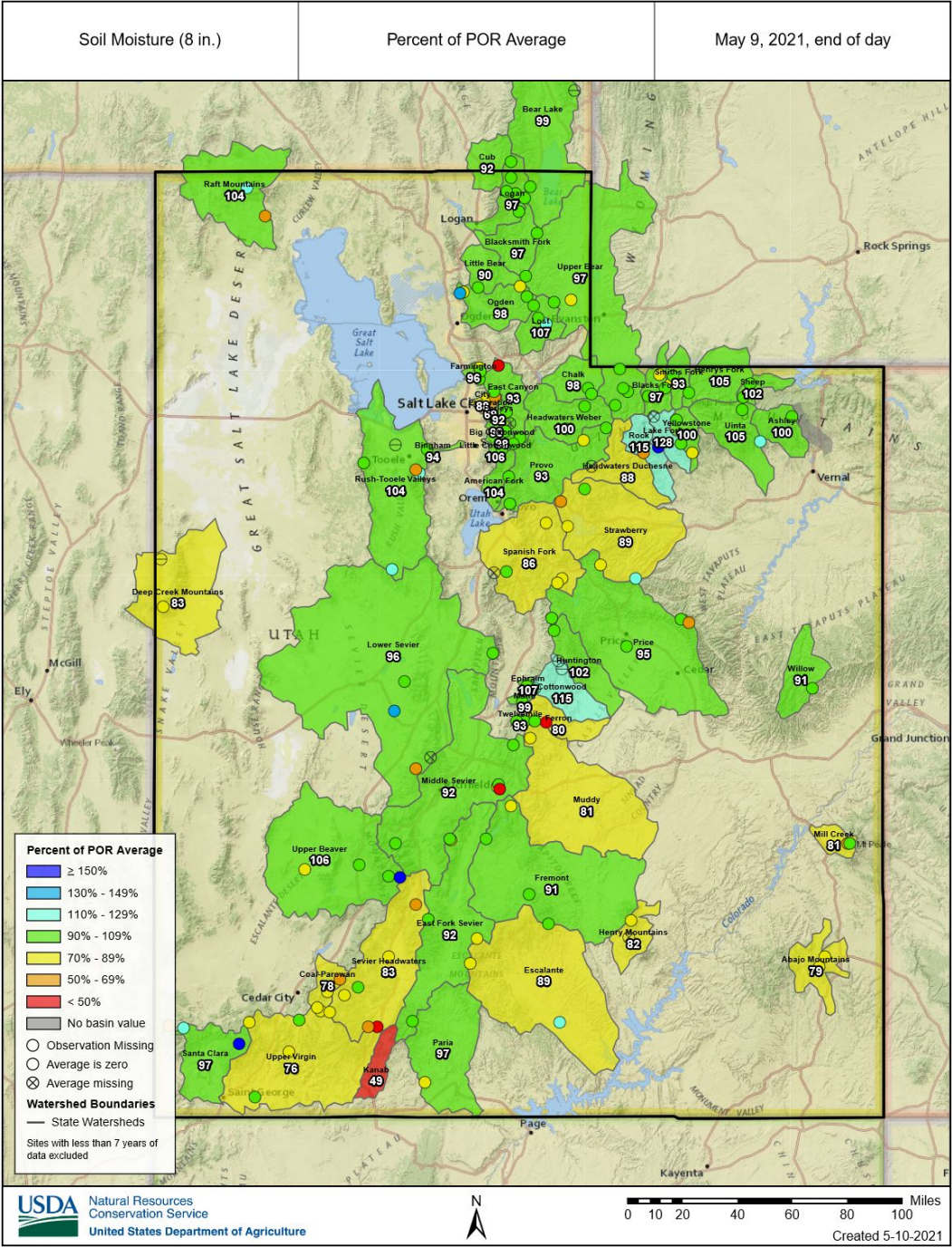
Agency - NRCS Snow Survey
Presenter - Jordan Clayton



Soil Moisture (Current)



Agency - NRCS Snow Survey
Presenter - Jordan Clayton

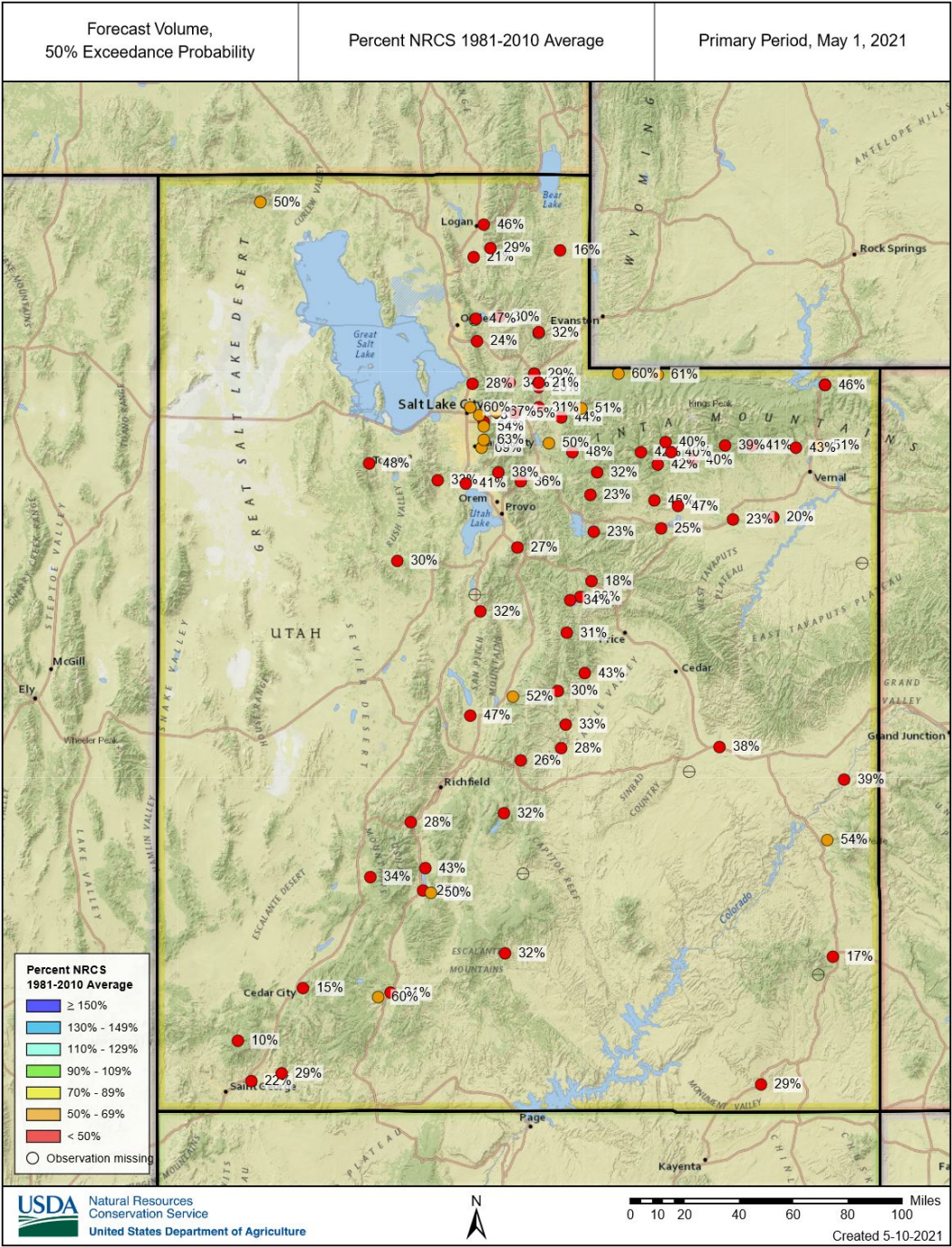


Surface Water Supply Indices

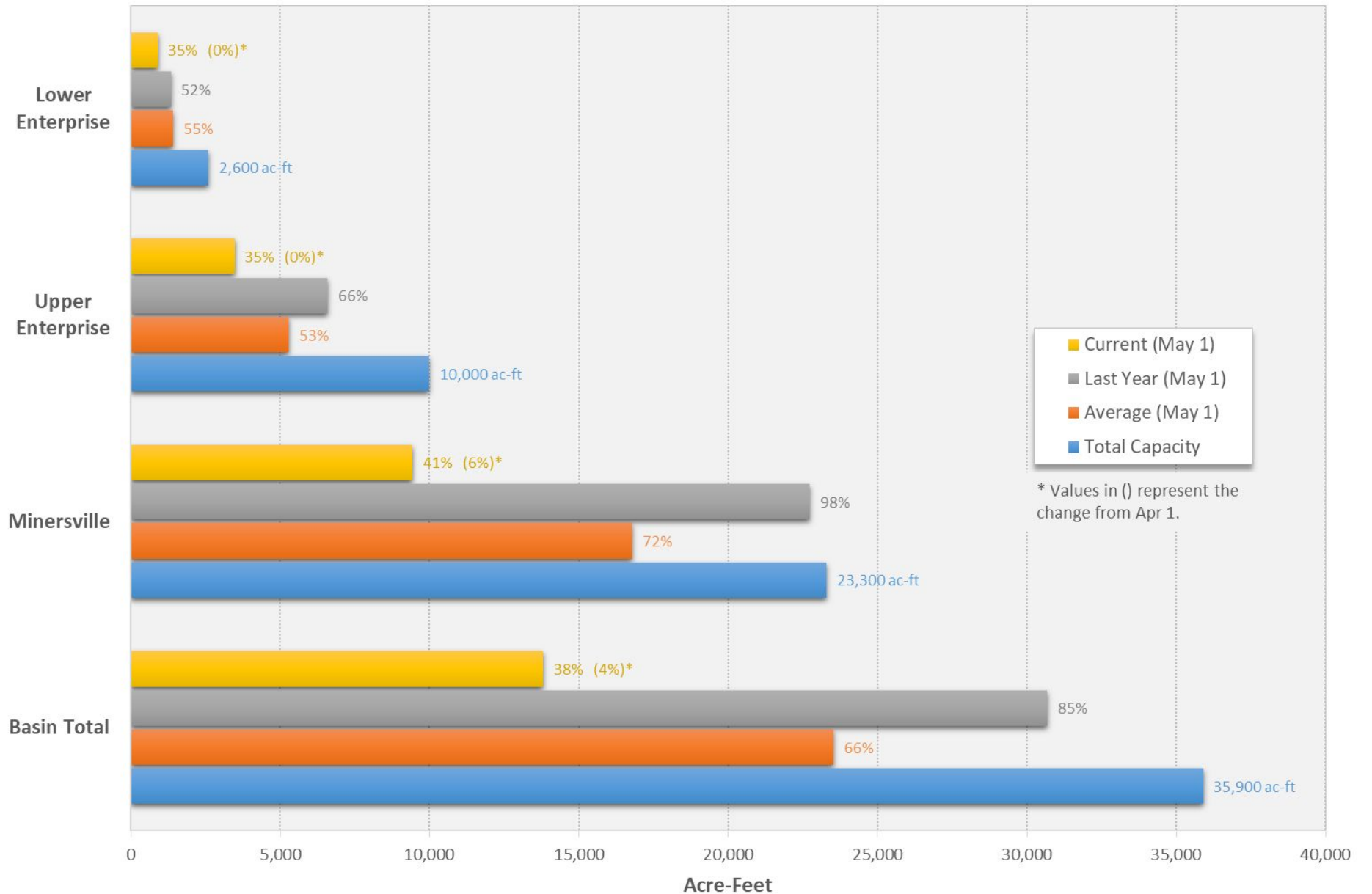
May 1, 2021						
Surface Water Supply Index						
Basin or Region	Apr EOM [*] Storage	MAY-JUL Forecast	Storage + Forecast	Percentile	SWSI [#]	Years with similar SWSI
	KAF [^]	KAF [^]	KAF [^]	%		
Bear River	833.1	13.0	846.1	52	0.2	96, 01, 13, 81
Woodruff Narrows	26.5	62.0	88.5	10	-3.37	01, 04, 13, 03
Little Bear	14.6	6.6	21.2	3	-3.89	15, 04, 01, 13
Ogden River	70.5	36.0	106.5	19	-2.58	81, 90, 01, 15
Weber River	273.8	57.0	330.8	5	-3.77	15, 13, 04, 07
Provo River	1000.7	43.0	1043.7	18	-2.68	03, 15, 14, 02
Western Uinta	179.0	62.0	241.0	33	-1.39	03, 08, 10, 18
Eastern Uinta	26.5	29.3	55.8	7	-3.57	02, 14, 18, 89
Blacks Fork	8.4	50.0	58.4	5	-3.74	02, 07, 94, 00
Smiths Fork	4.5	17.0	21.5	13	-3.1	94, 04, 07, 89
Price River	36.8	9.7	46.5	29	-1.79	03, 89, 94, 07
Joe's Valley	37.4	15.8	53.2	2	-3.97	02, 13, 90, 89
Ferron Creek	4.0	11.5	15.5	5	-3.77	18, 13, 12, 02
Moab	0.7	2.0	2.7	20	-2.5	90, 89, 09, 20
Upper Sevier	57.9	17.0	74.9	2	-3.97	04, 91, 90, 18
San Pitch	0.0	8.1	8.1	5	-3.77	18, 15, 16, 02
Lower Sevier	85.2	38.0	123.2	14	-2.98	17, 92, 15, 02
Beaver River	8.8	7.8	16.6	5	-3.77	02, 18, 04, 90
Virgin River	35.1	11.6	46.7	7	-3.61	03, 14, 02, 15

^{*}EOM, end of month; [#] SWSI, surface water supply index; [^]KAF, thousand acre-feet.

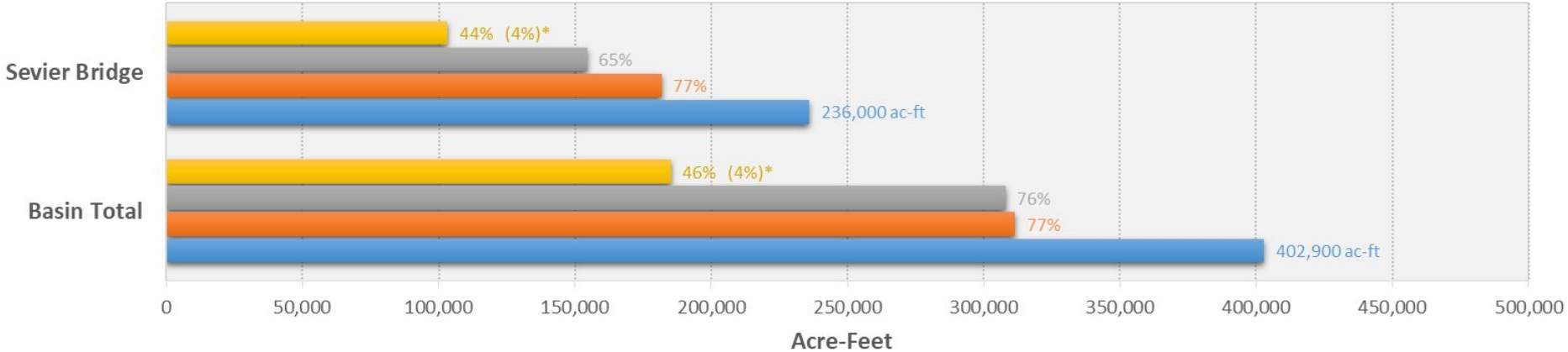
Agency - NRCS Snow Survey
Presenter - Jordan Clayton



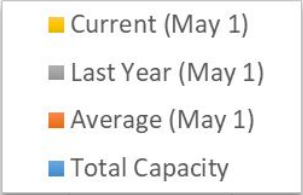
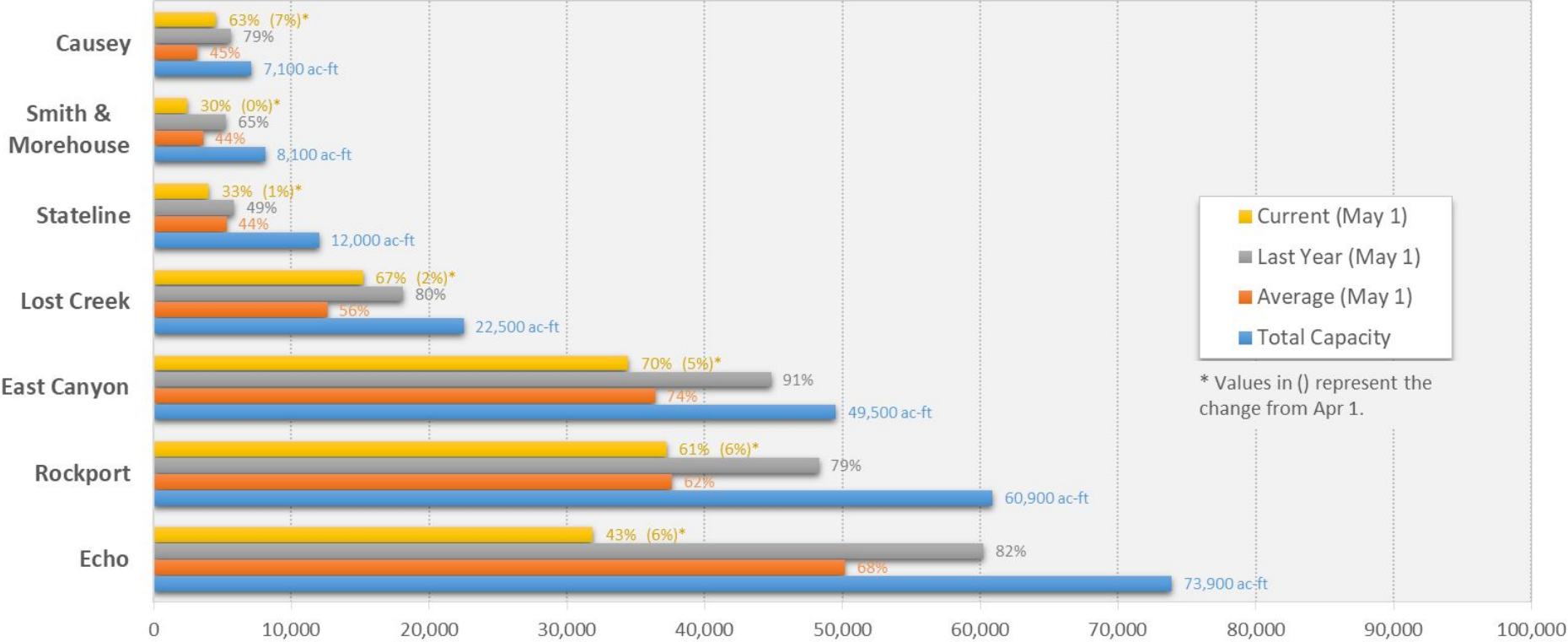
Cedar/Beaver Basin Reservoir Storage (May 1)



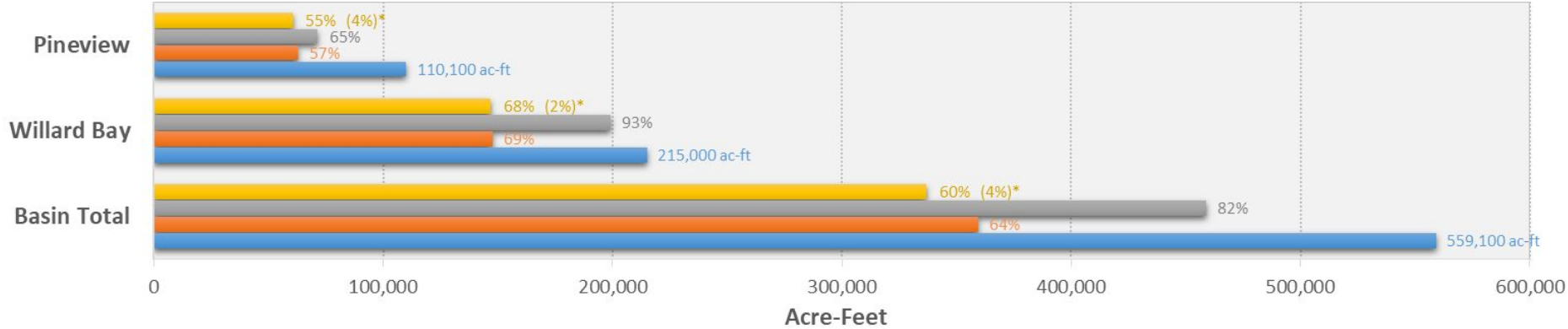
Sevier River Basin Reservoir Storage (May 1)



Weber River Basin Reservoir Storage (May 1)

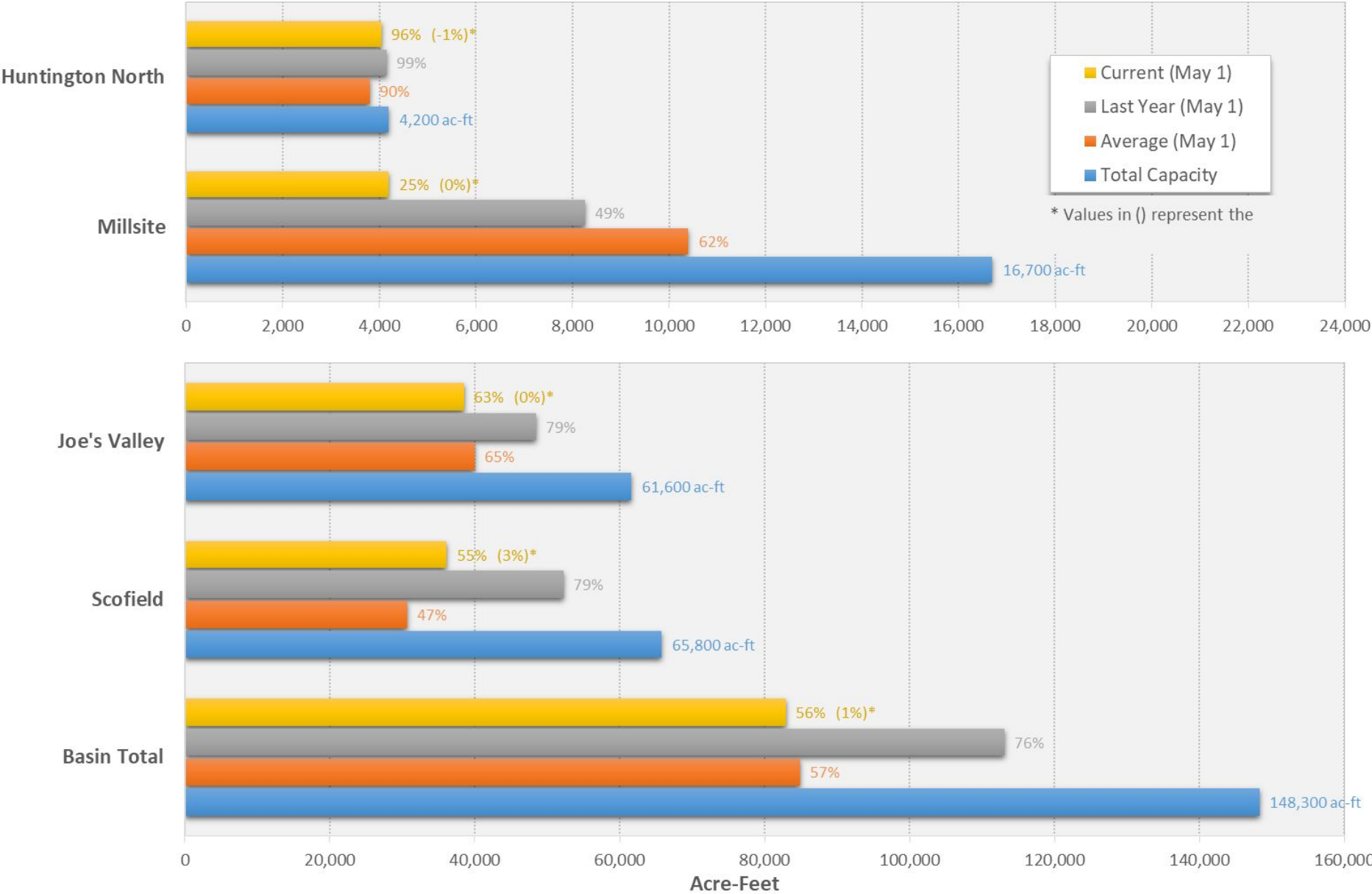


* Values in () represent the change from Apr 1.

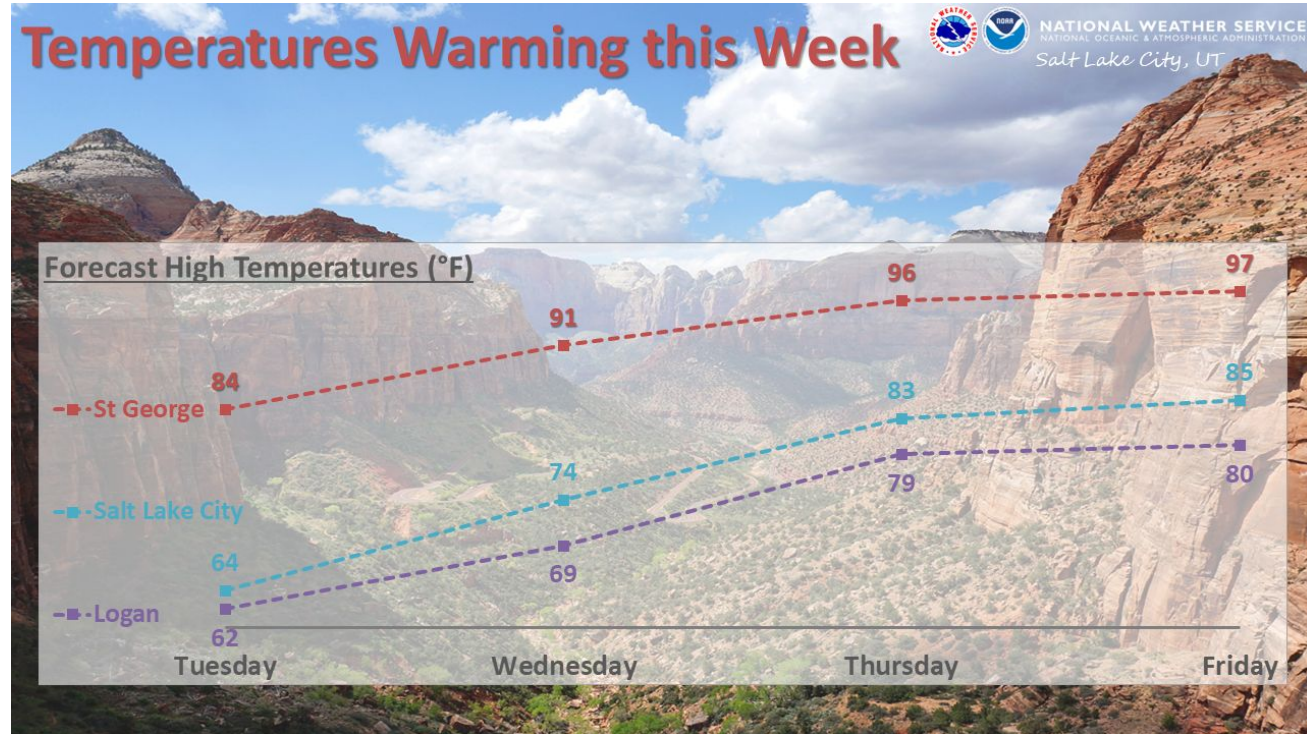
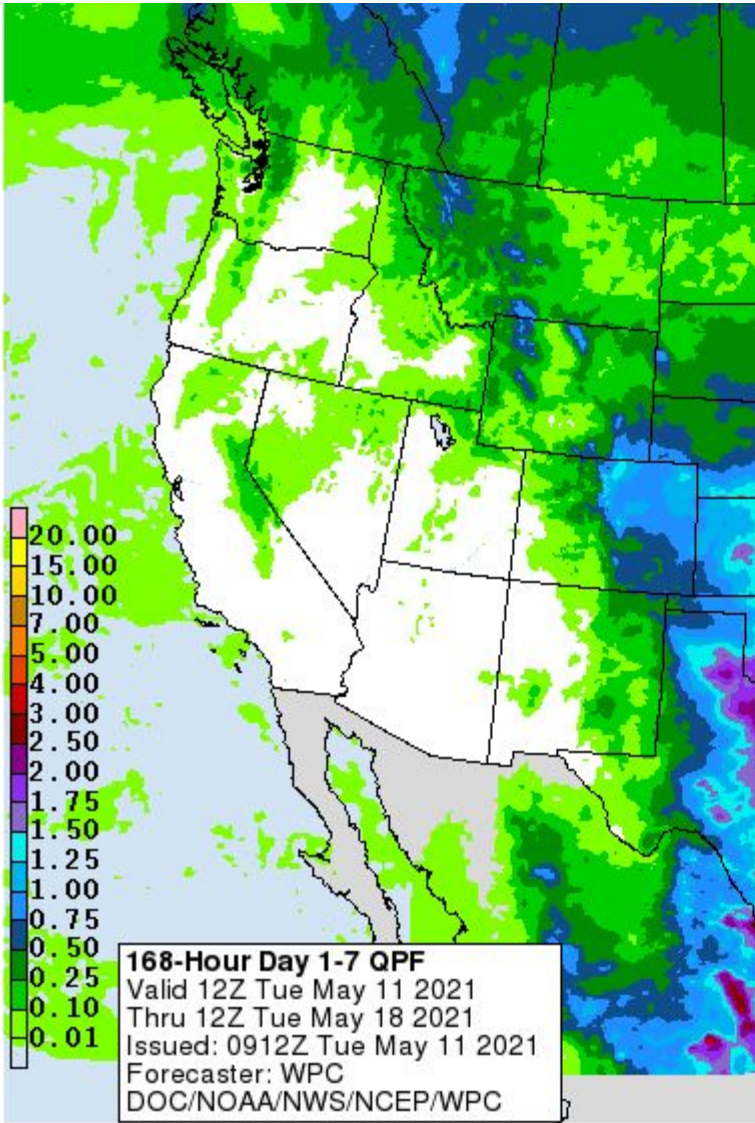
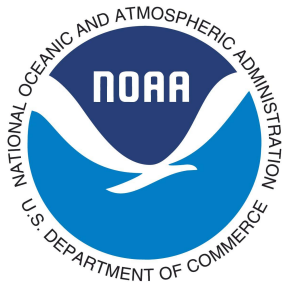


Agency - Division of Water Resources w/ NRCS data
Presenter - Laura Haskell

West Colorado Basin Reservoir Storage (May 1)



Weather Forecast Office Utah Day 1-7 Outlook



- Dry conditions continue. Convective shower potential increases this weekend, but precip is expected to remain below normal.
- Temperatures climb to 10-15 degrees above normal through late week. Around 5 degrees above normal next week.

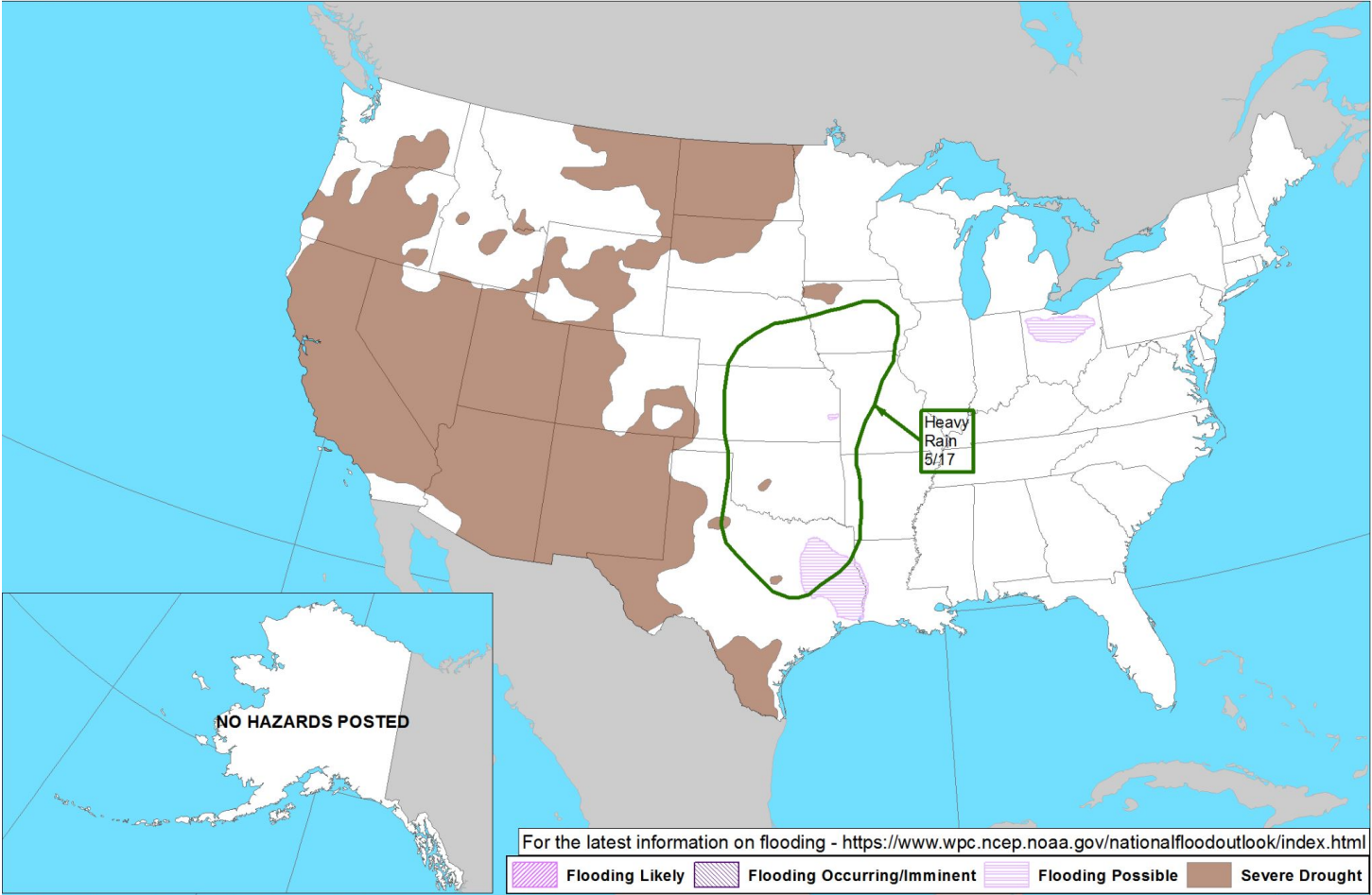
Agency - National Weather Service Weather Forecast Office

Presenter - Glen Merrill

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



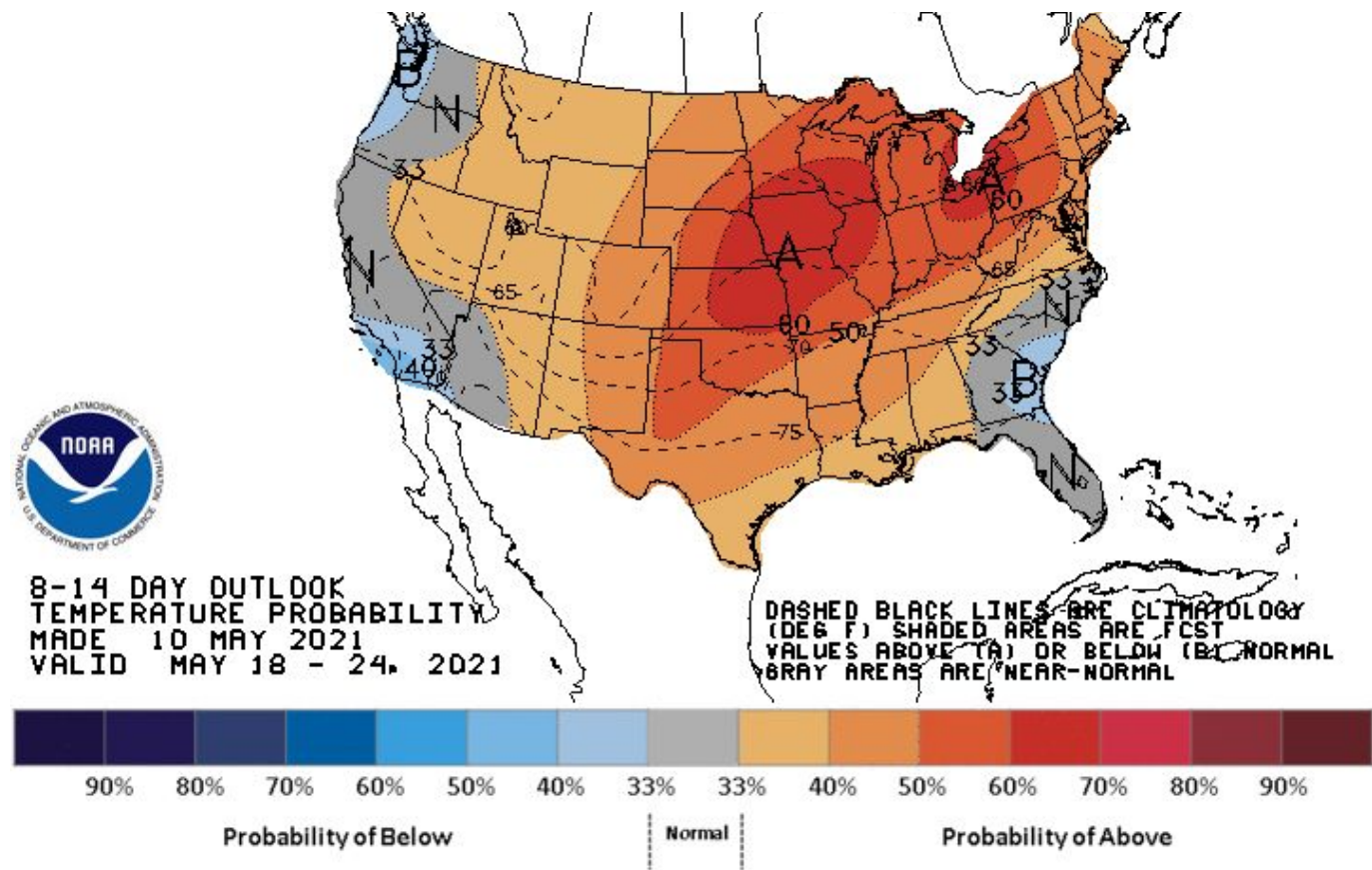
Day 3-7 U.S. Hazards Outlook
Valid: 05/13/2021-05/17/2021



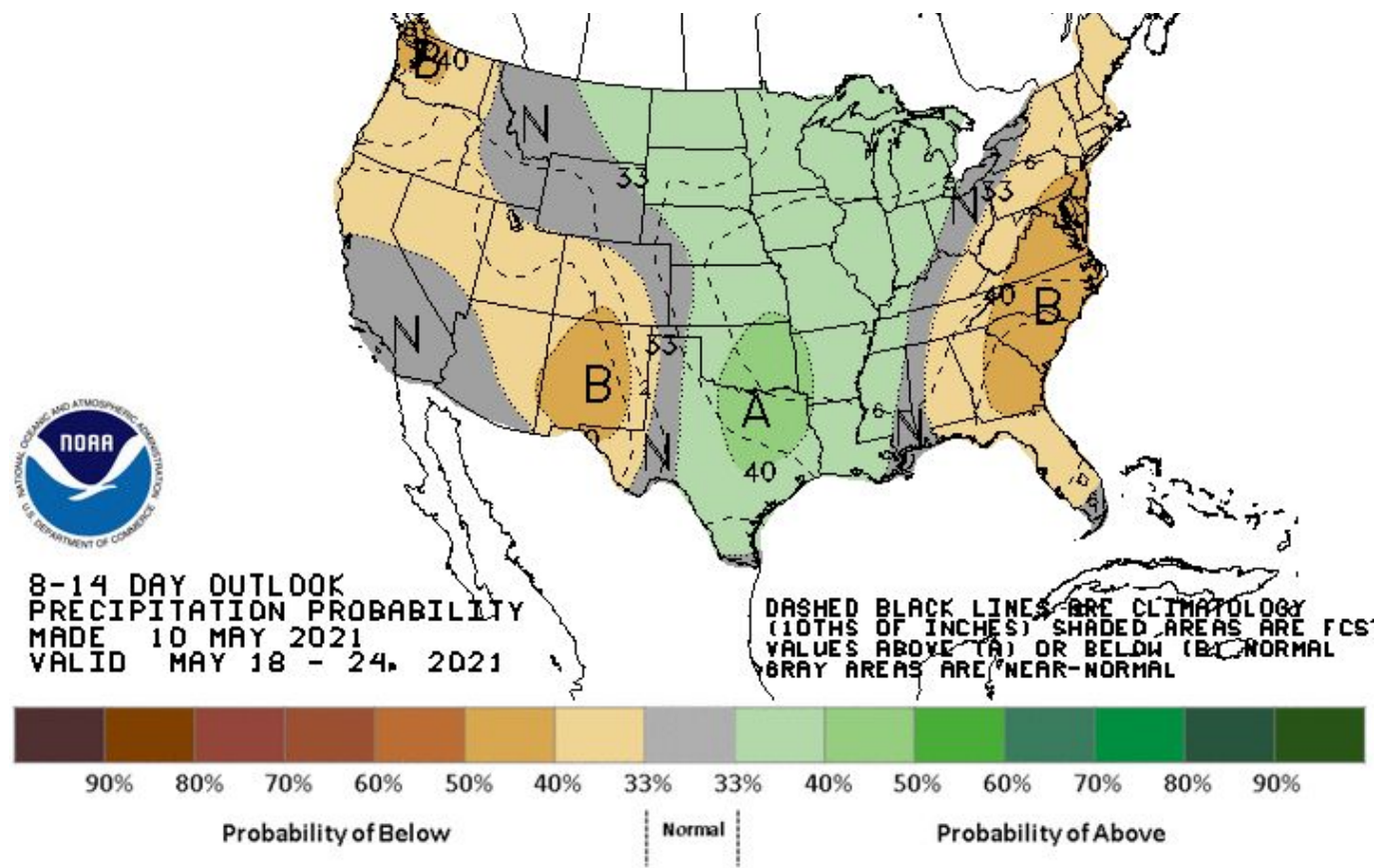
Weather Prediction Center
Made: 05/10/2021 3PM EDT

Follow us: www.wpc.ncep.noaa.gov

Climate Prediction Center 8 to 14 Day Outlooks - Temperature



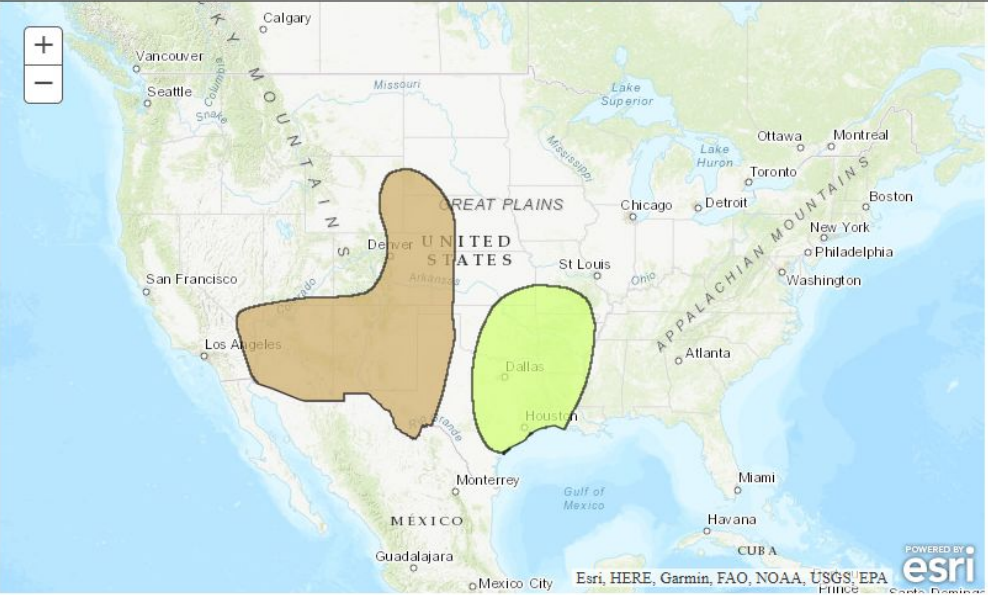
Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



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



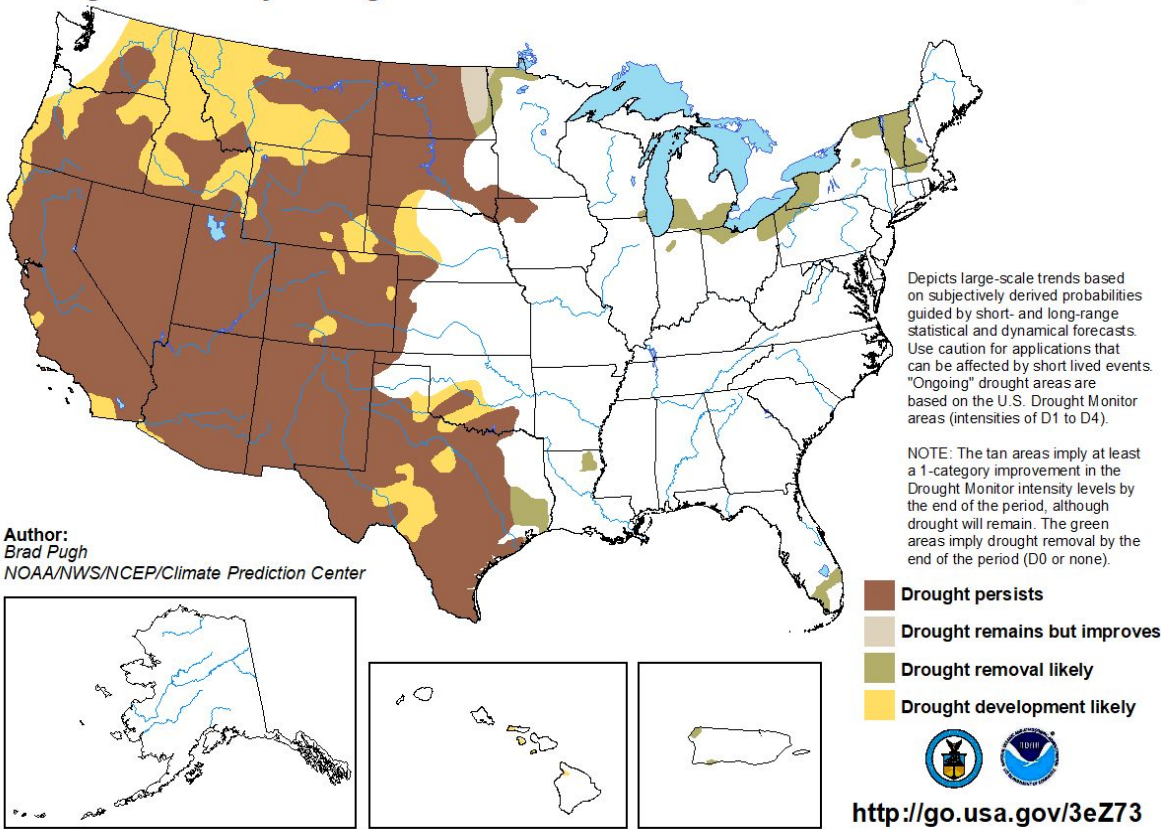
Type and Period	Temperature	Precipitation	Snow	Wind
Composite Days 8-14 Map	No Hazards	No Hazards	No Hazards	No Hazards
Probabilistic Days 8-14 Map	No Hazards	<input checked="" type="checkbox"/>	No Hazards	<input checked="" type="checkbox"/>



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	

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for April 15 - July 31, 2021
Released April 15



Author:
Brad Pugh
NOAA/NWS/NCEP/Climate Prediction Center

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

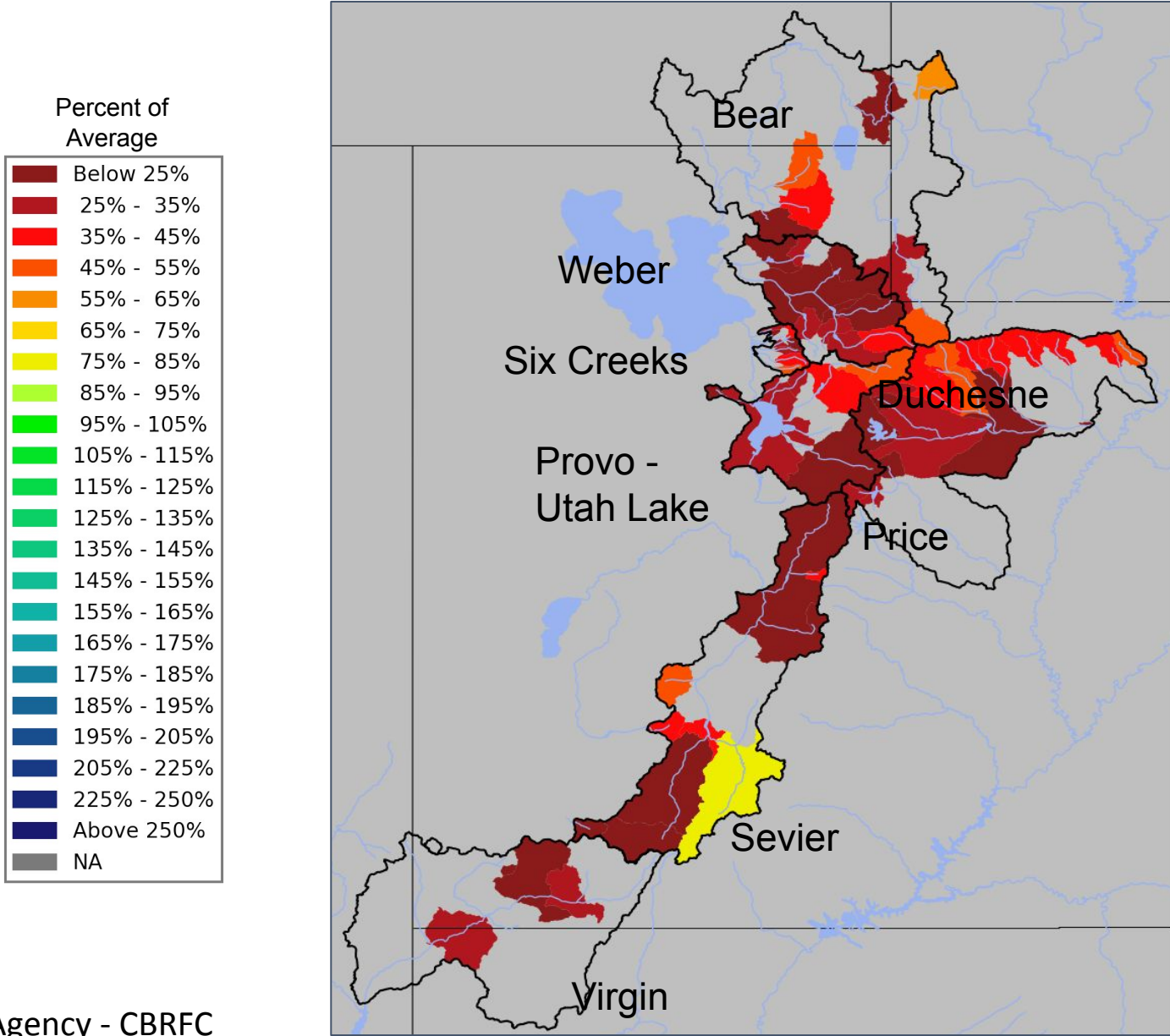
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

May 1, 2021 - Utah Water Supply Forecasts - Overview

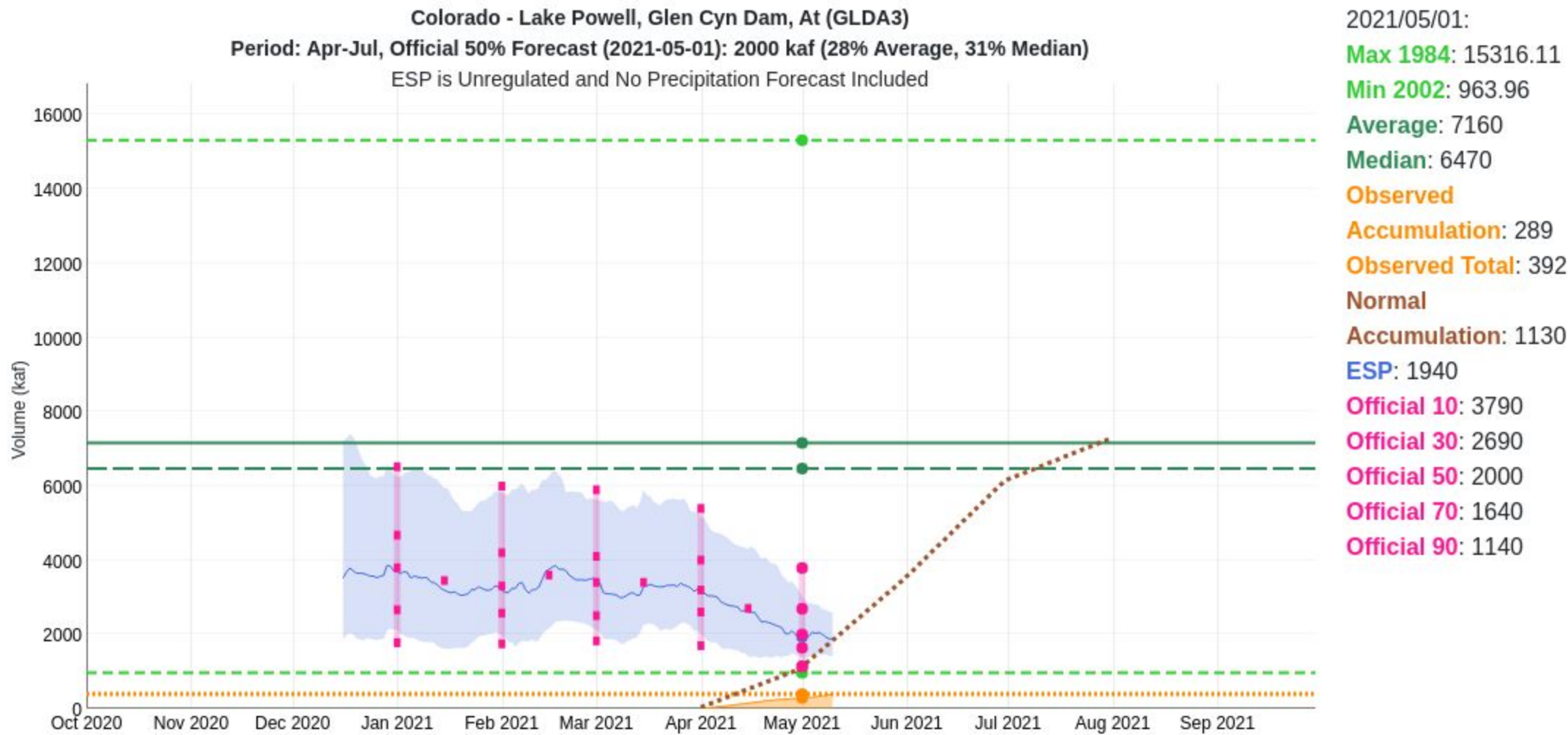
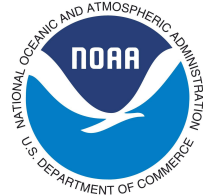


- May 1 Forecast for April-July Volume in 1000's acre feet (KAF)

Median value of individual forecasts (in % of average) ...by Forecast Group, rounded.

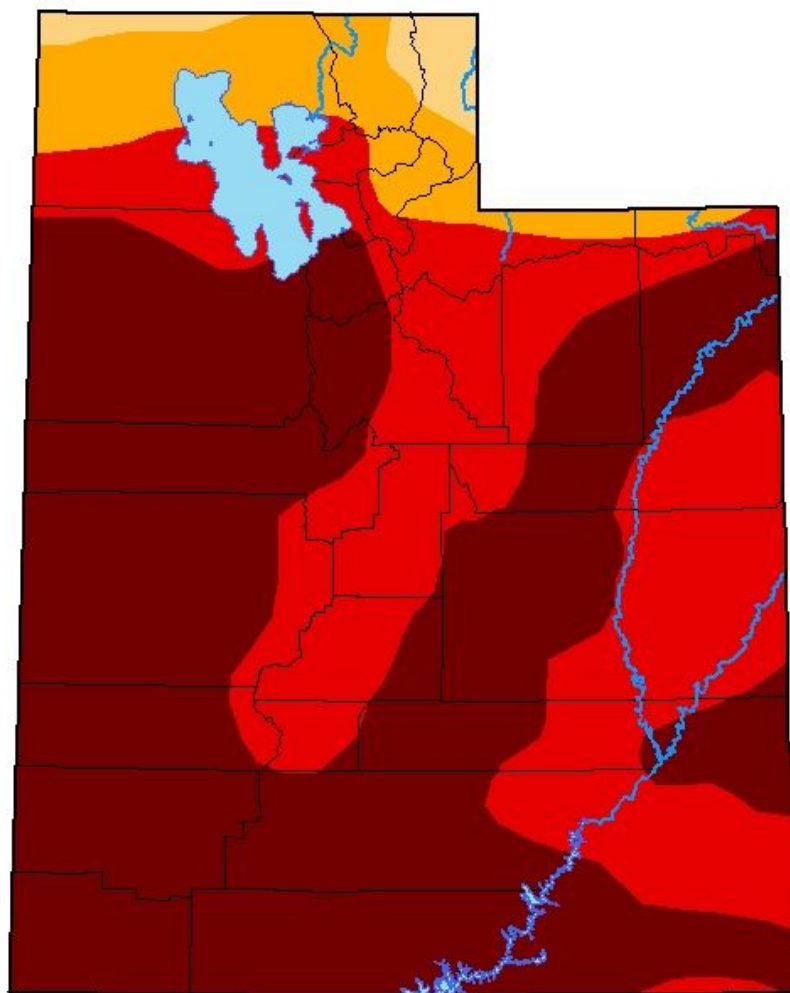
Bear	35
Weber	25
Six Creeks	30
Provo / Utah Lake	35
Sevier	30
Duchesne	40
Virgin	25
Green	50
San Juan	45
Powell	30

Water Supply Forecasts / Runoff (Percent of Average)

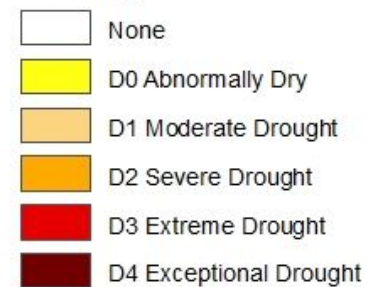


U.S. Drought Monitor Utah

May 4, 2021
(Released Thursday, May. 6, 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:

David Simeral
Western Regional Climate Center



droughtmonitor.unl.edu