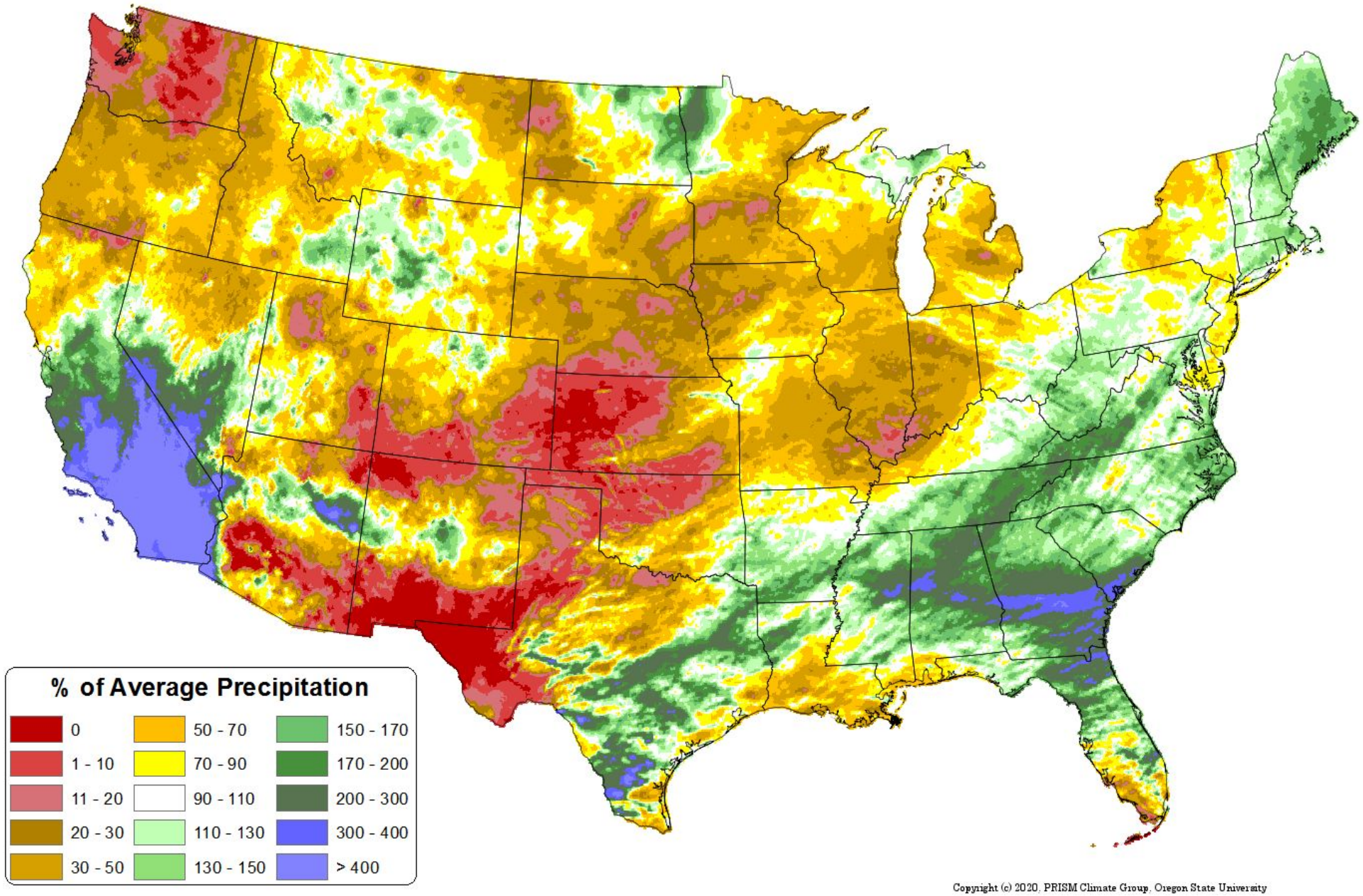
# Utah Drought Monitor Feedback Webinar

April 23, 2020

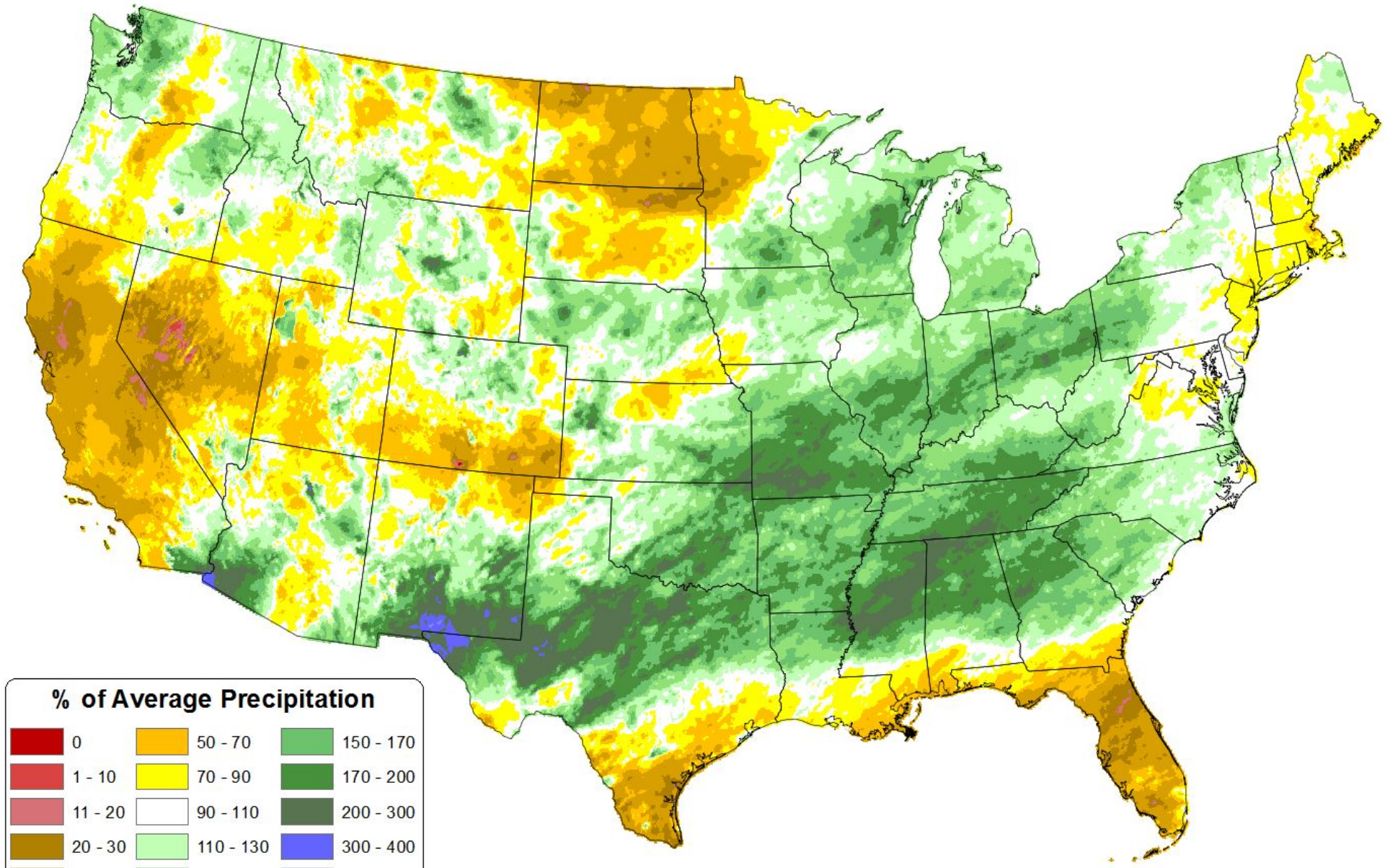
# Total Precipitation Anomaly: 01 Apr 2020 - 21 Apr 2020

Period ending 7 AM EST 21 Apr 2020
Base period: 1981-2010
(Map created 22 Apr 2020)



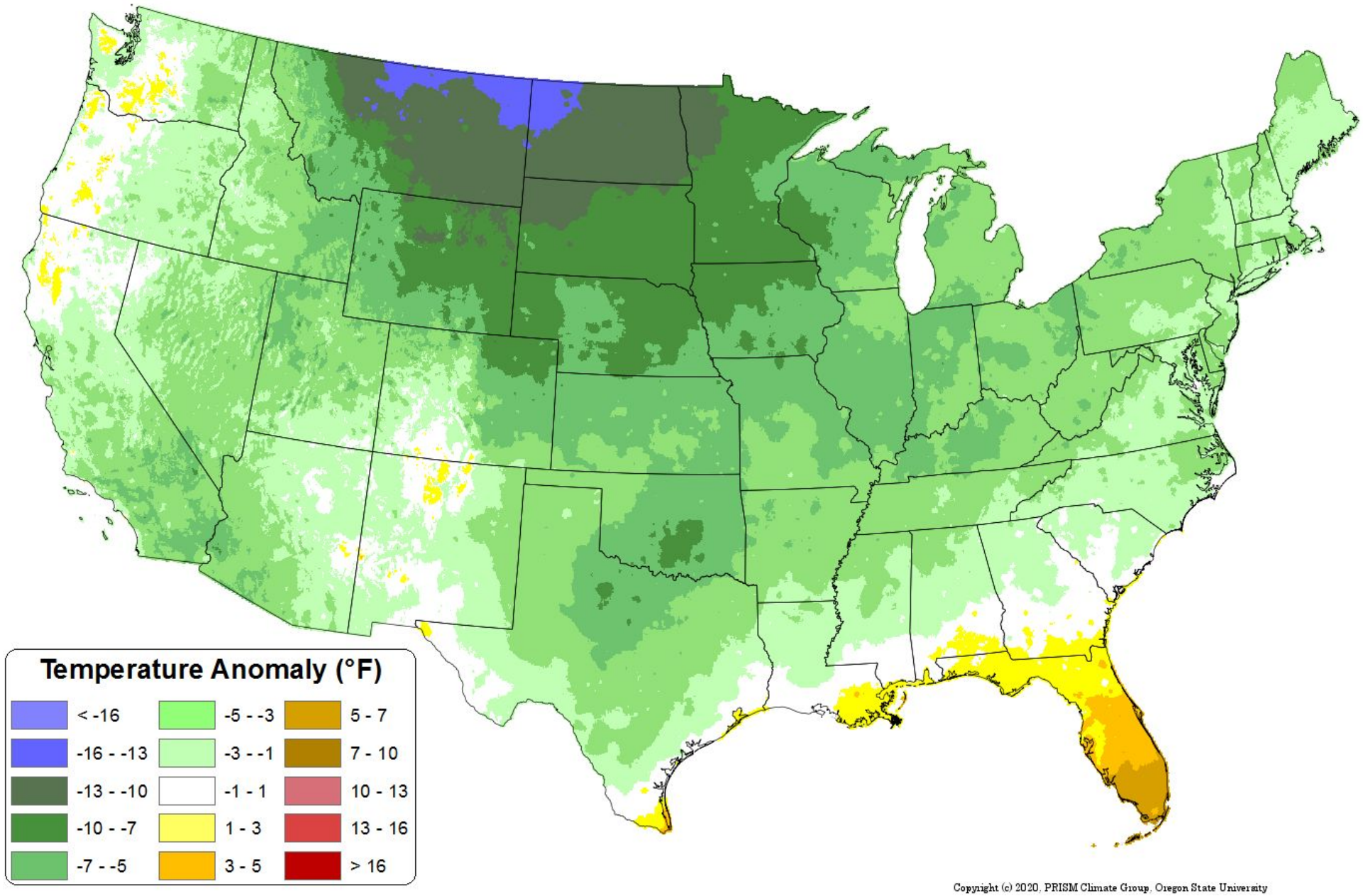
# Total Precipitation Anomaly: Jan 2020 - Mar 2020

Period ending 7 AM EST 31 Mar 2020
Base period: 1981-2010
(Map created 17 Apr 2020)



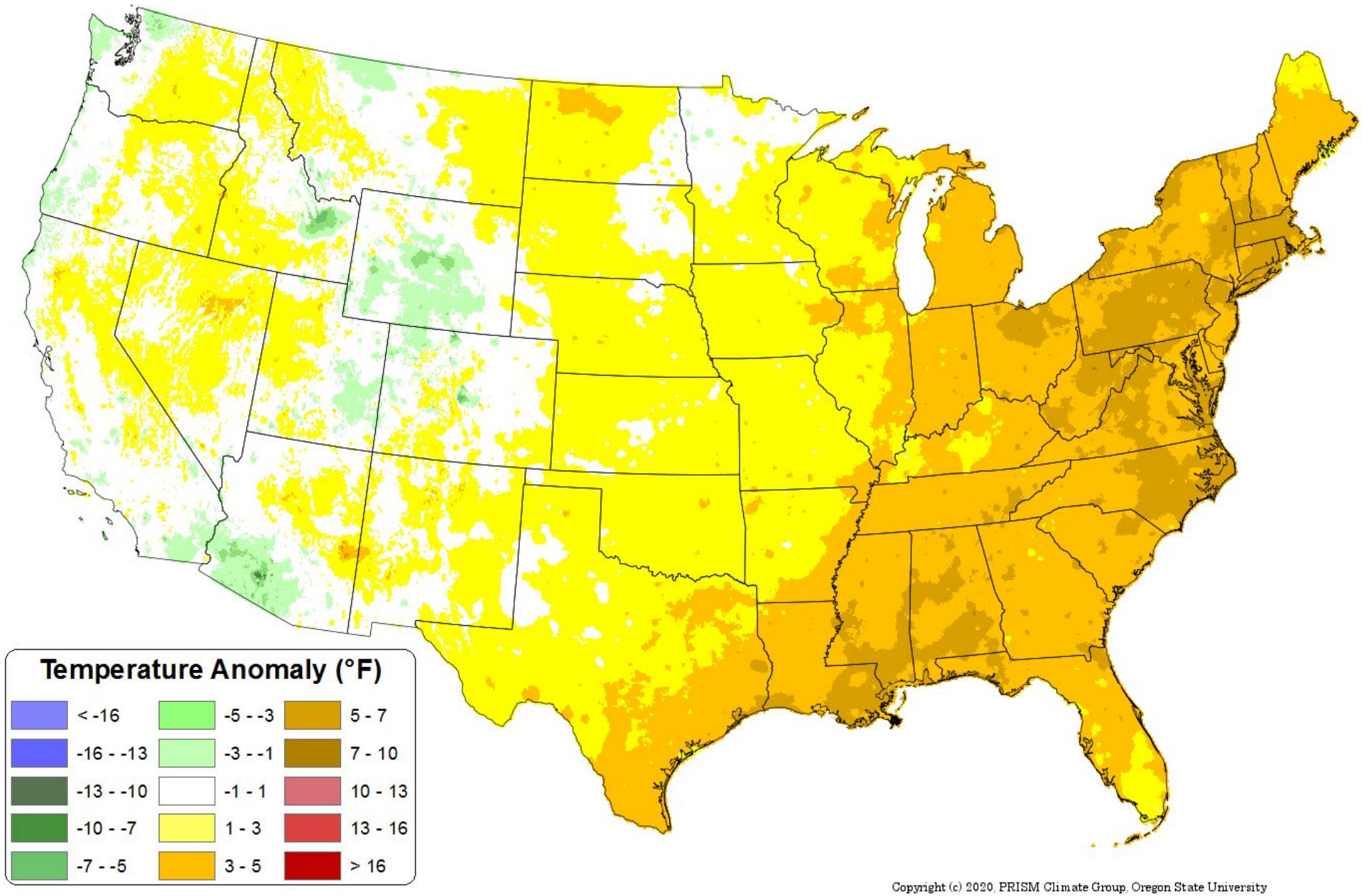
# Daily Mean Temperature Anomaly: 01 Apr 2020 - 21 Apr 2020

Period ending 7 AM EST 21 Apr 2020
Base period: 1981-2010
(Map created 22 Apr 2020)

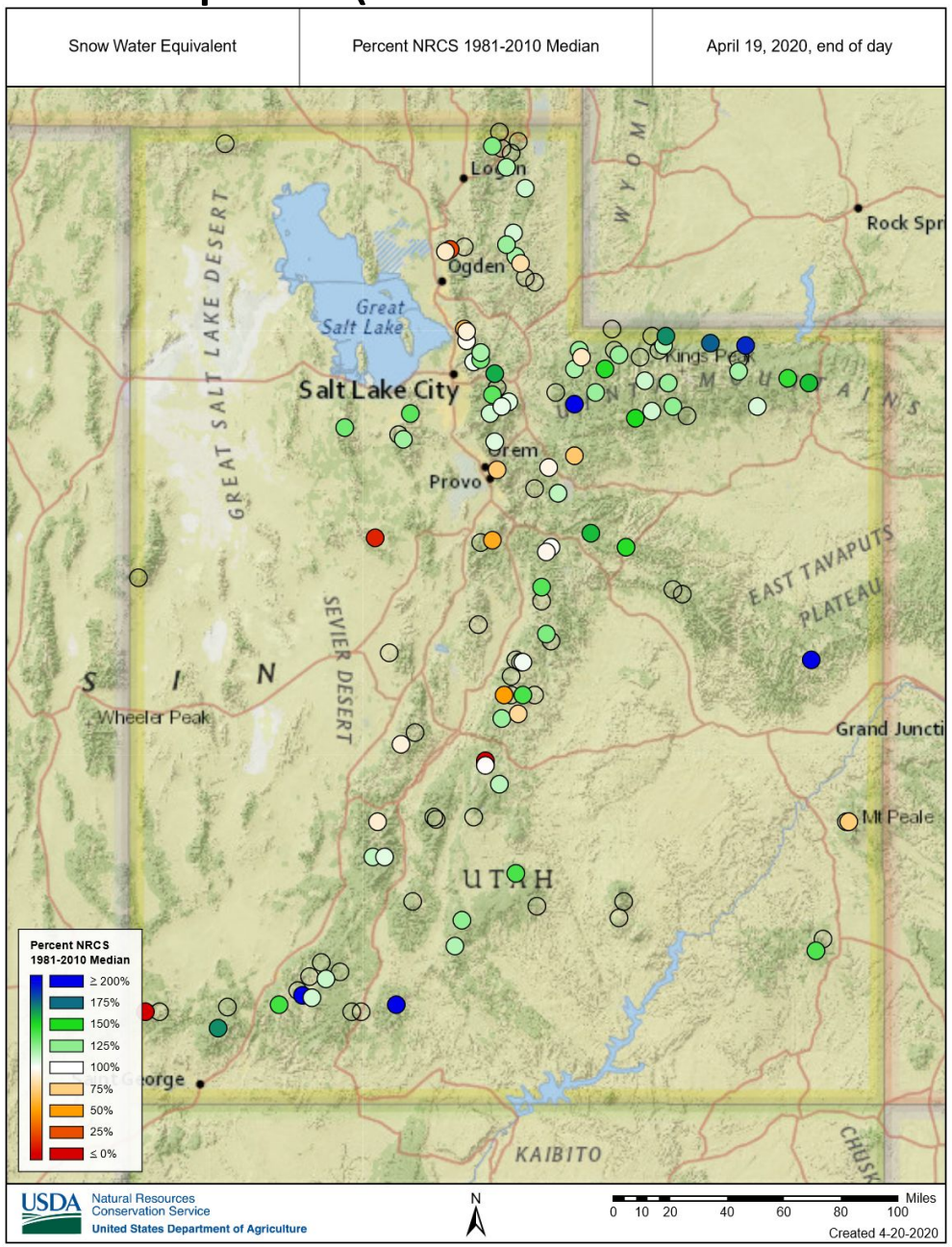


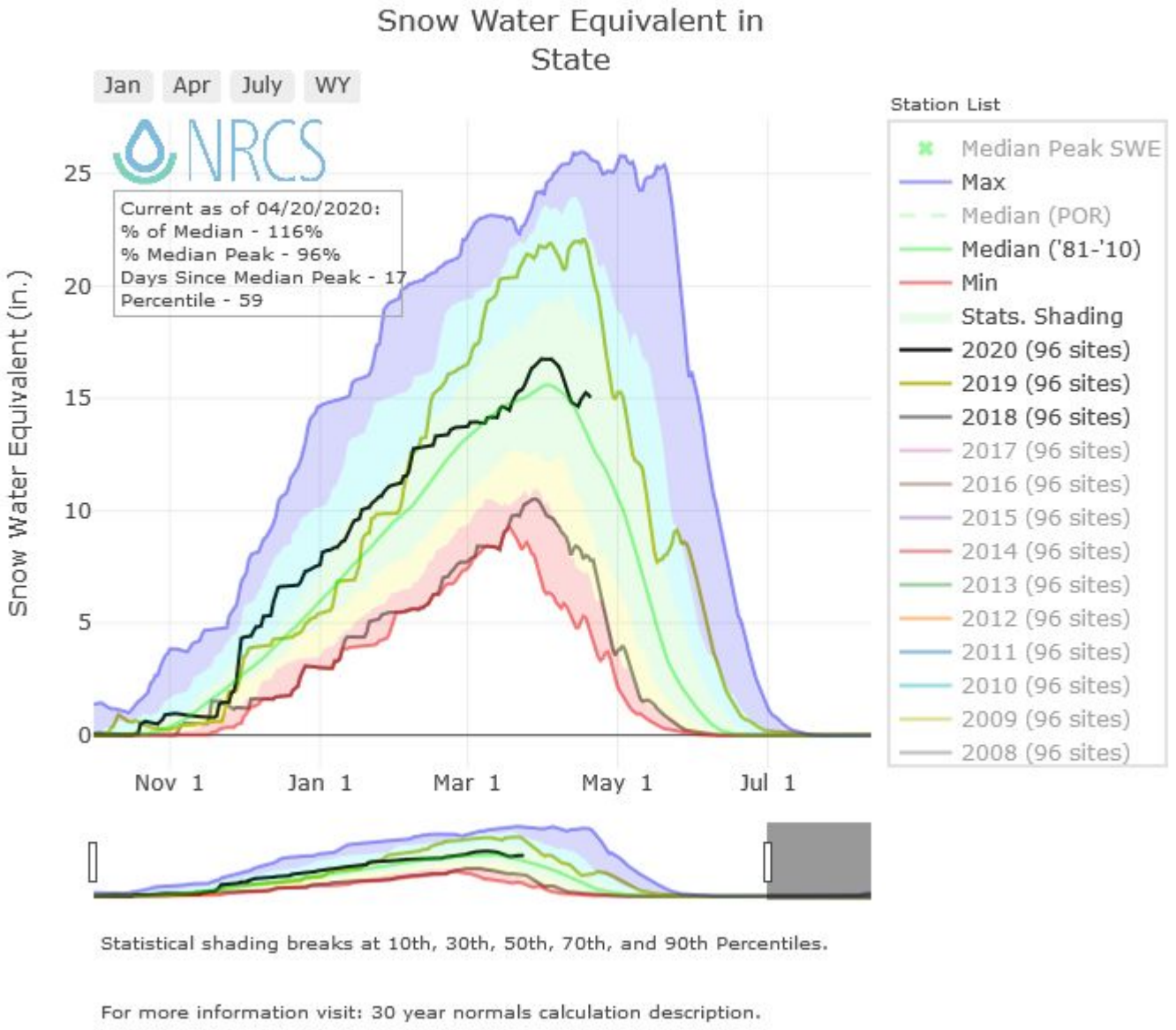
# Daily Mean Temperature Anomaly: Jan 2020 - Mar 2020

Period ending 7 AM EST 31 Mar 2020
Base period: 1981-2010
(Map created 17 Apr 2020)

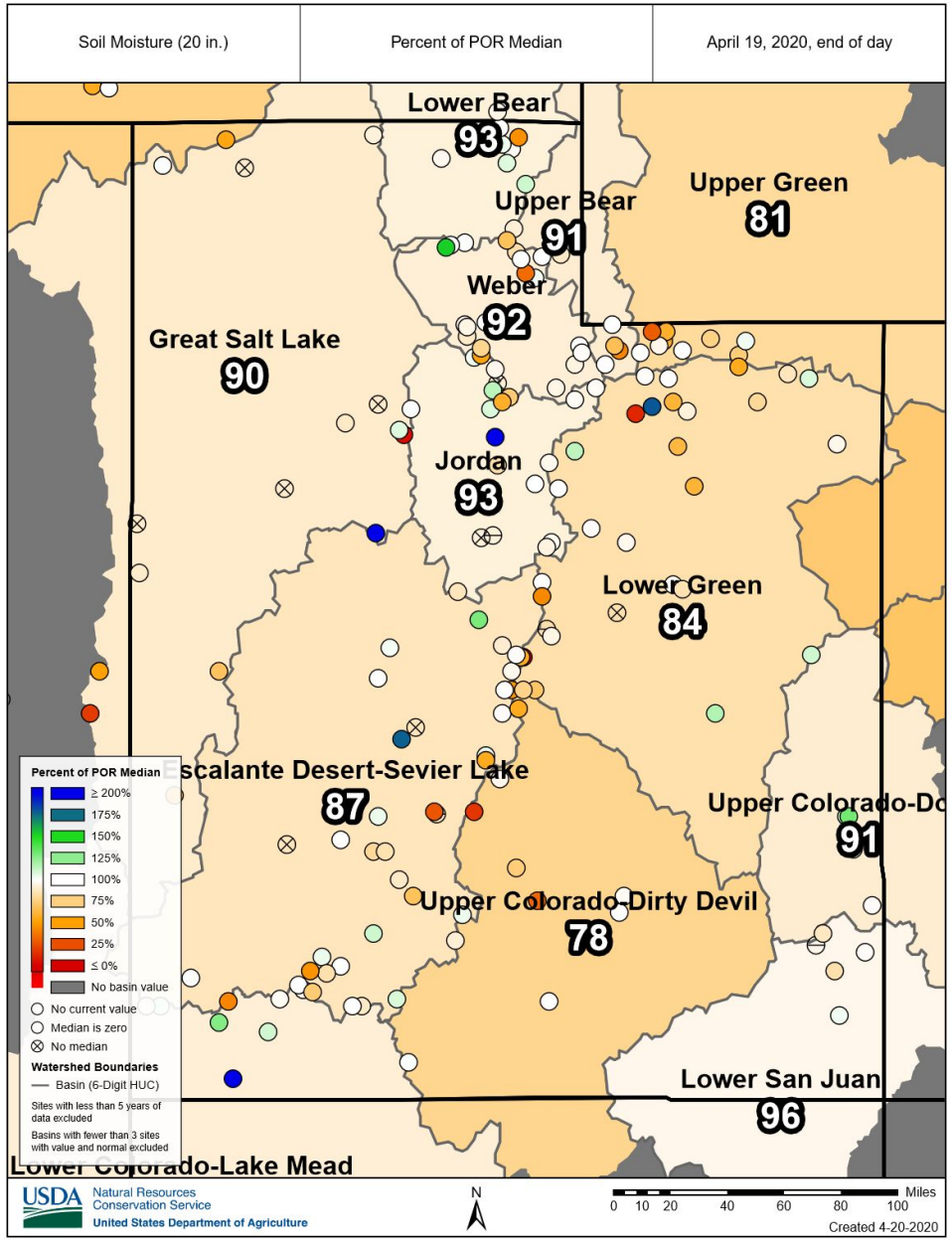


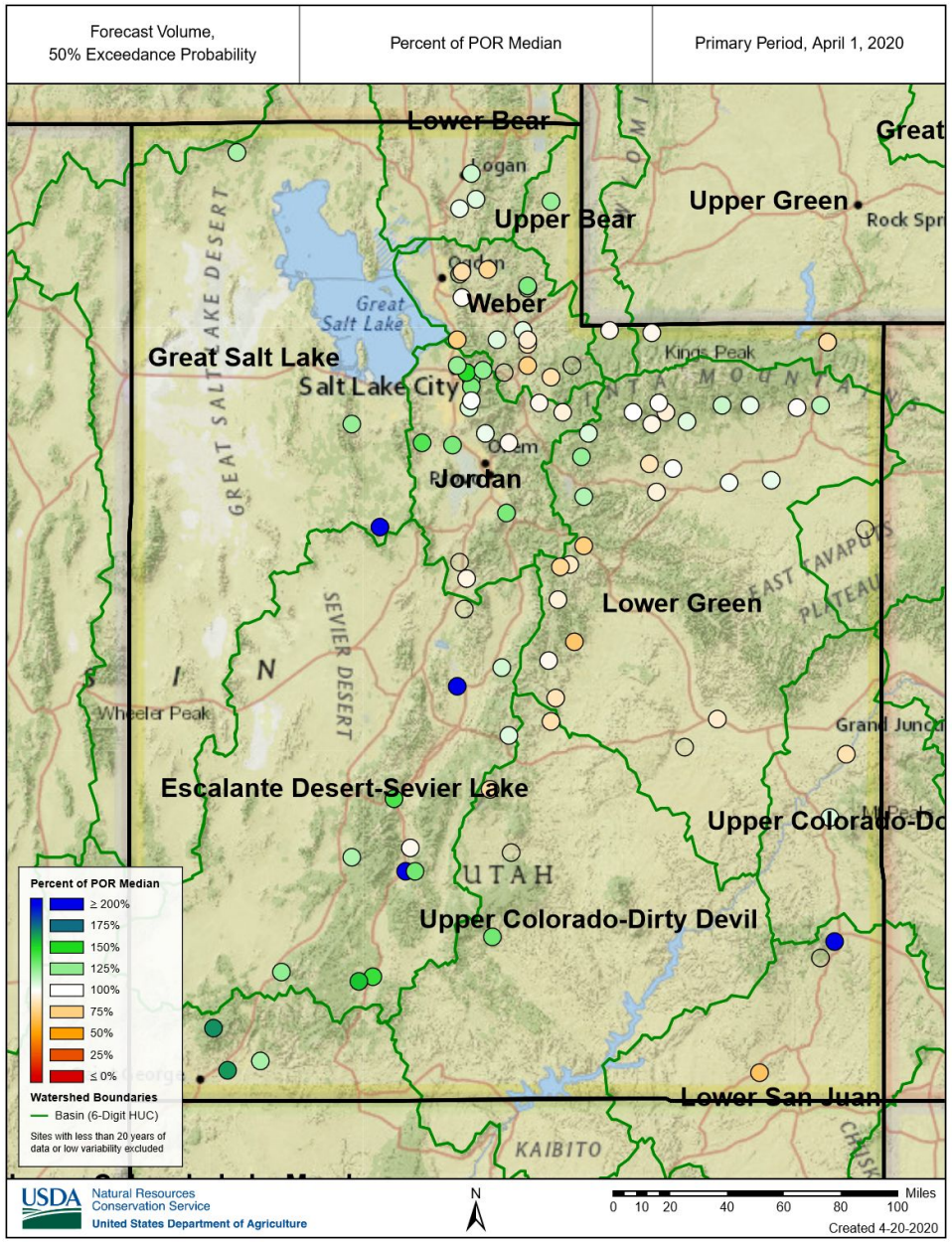
# Snowpack (Water Year to date Percent of Average) [*NRCS Snow Survey*]



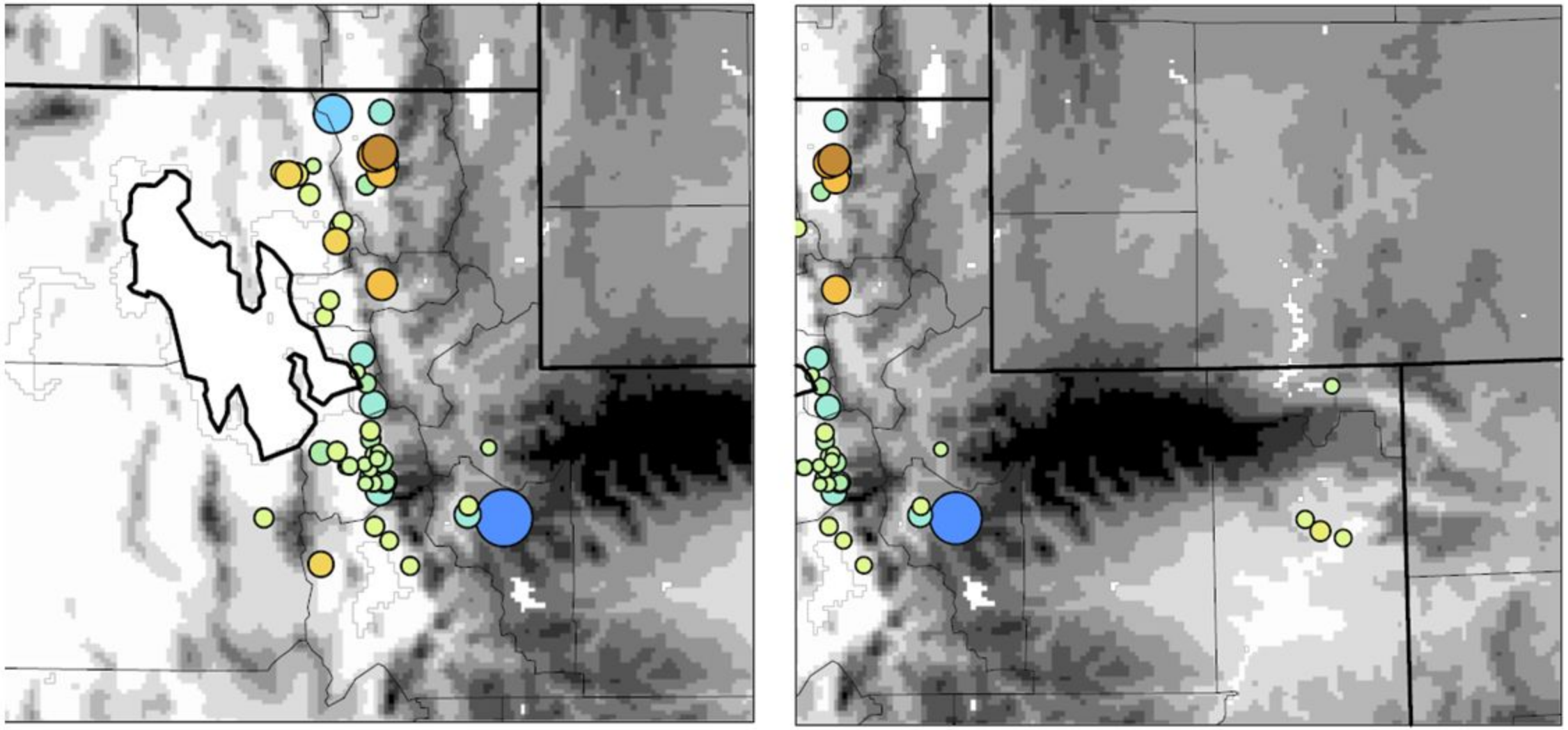



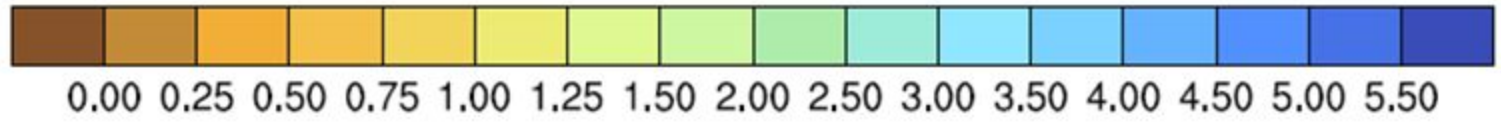
# Soil Moisture and Streamflow forecasts (Current) [*NRCS Snow Survey*]



# CoCoRaHS Total Liquid Precip:
# 03012020 to 04222020





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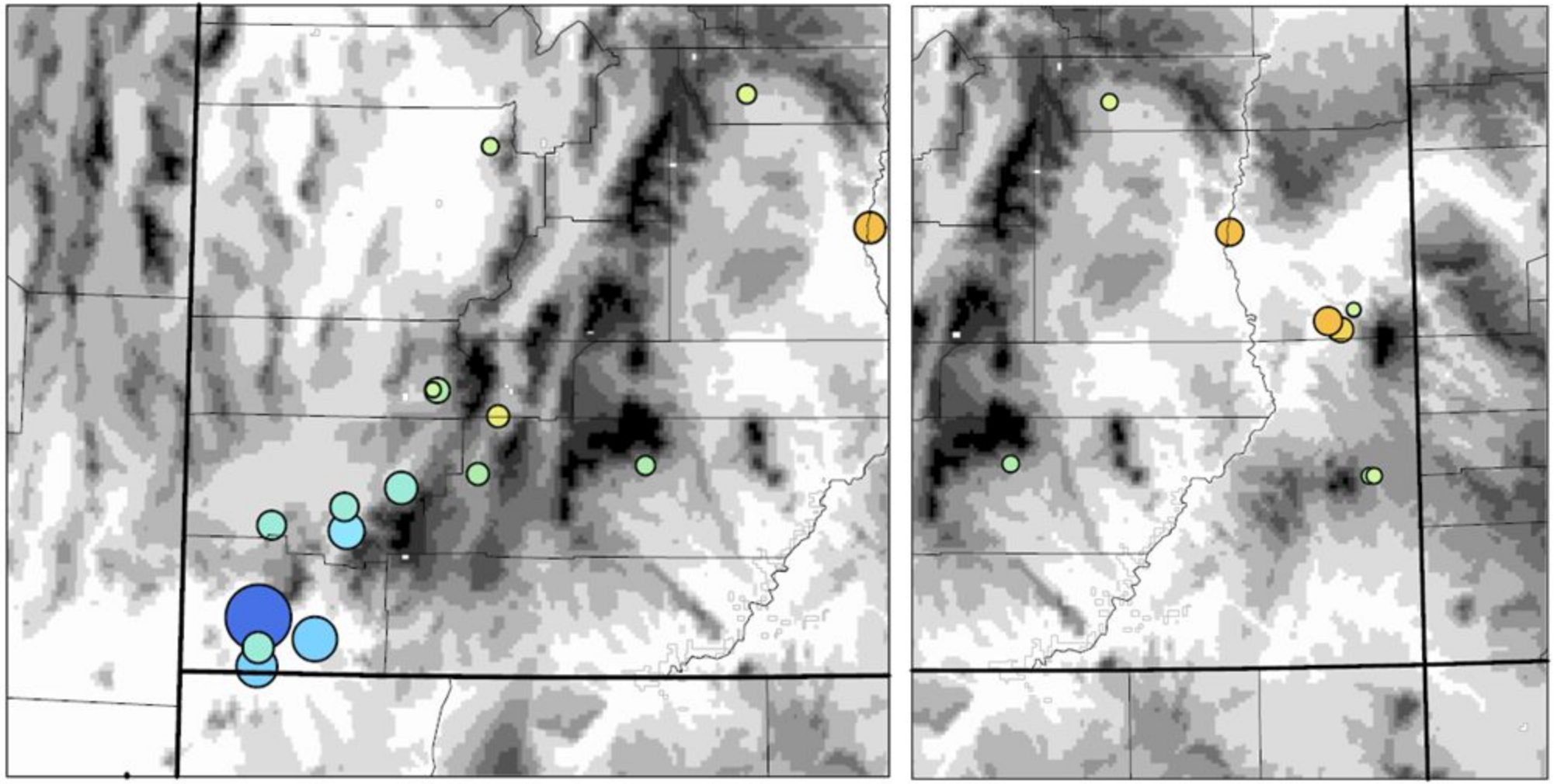
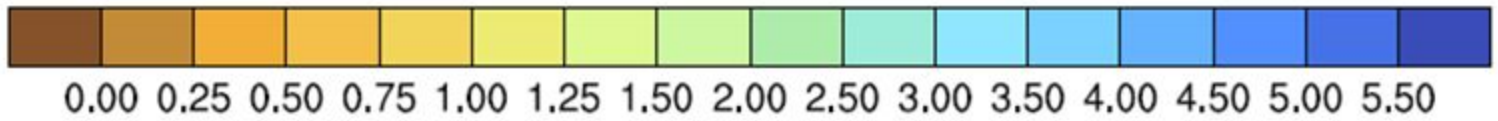
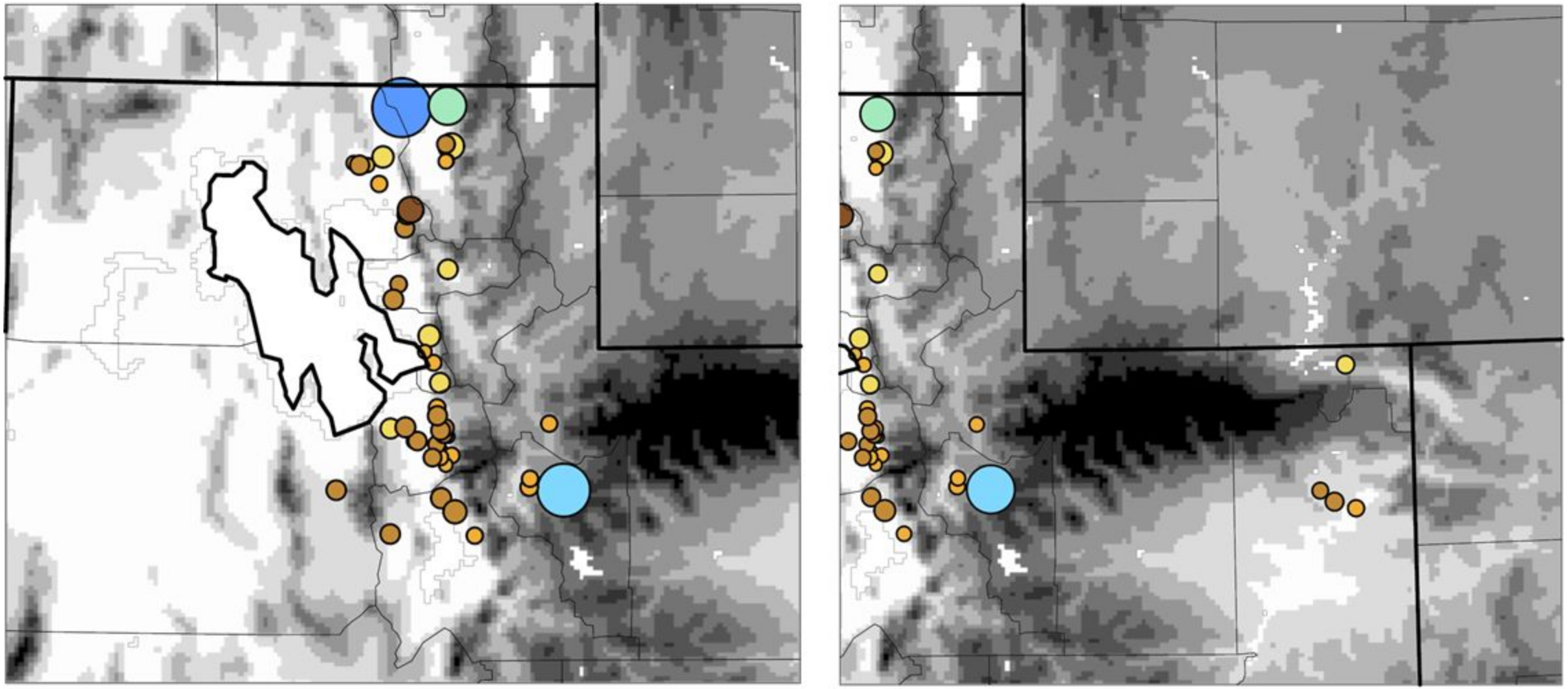
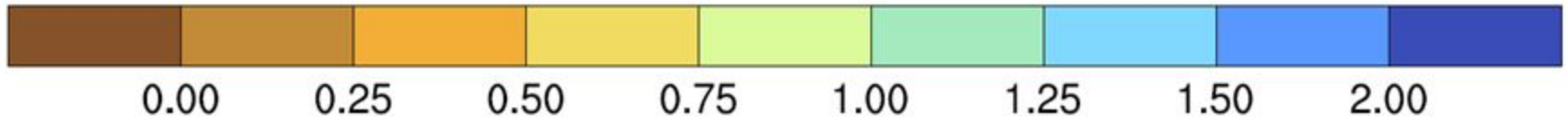




# CoCoRaHS Total Liquid Precip:
# 04012020 to 04222020





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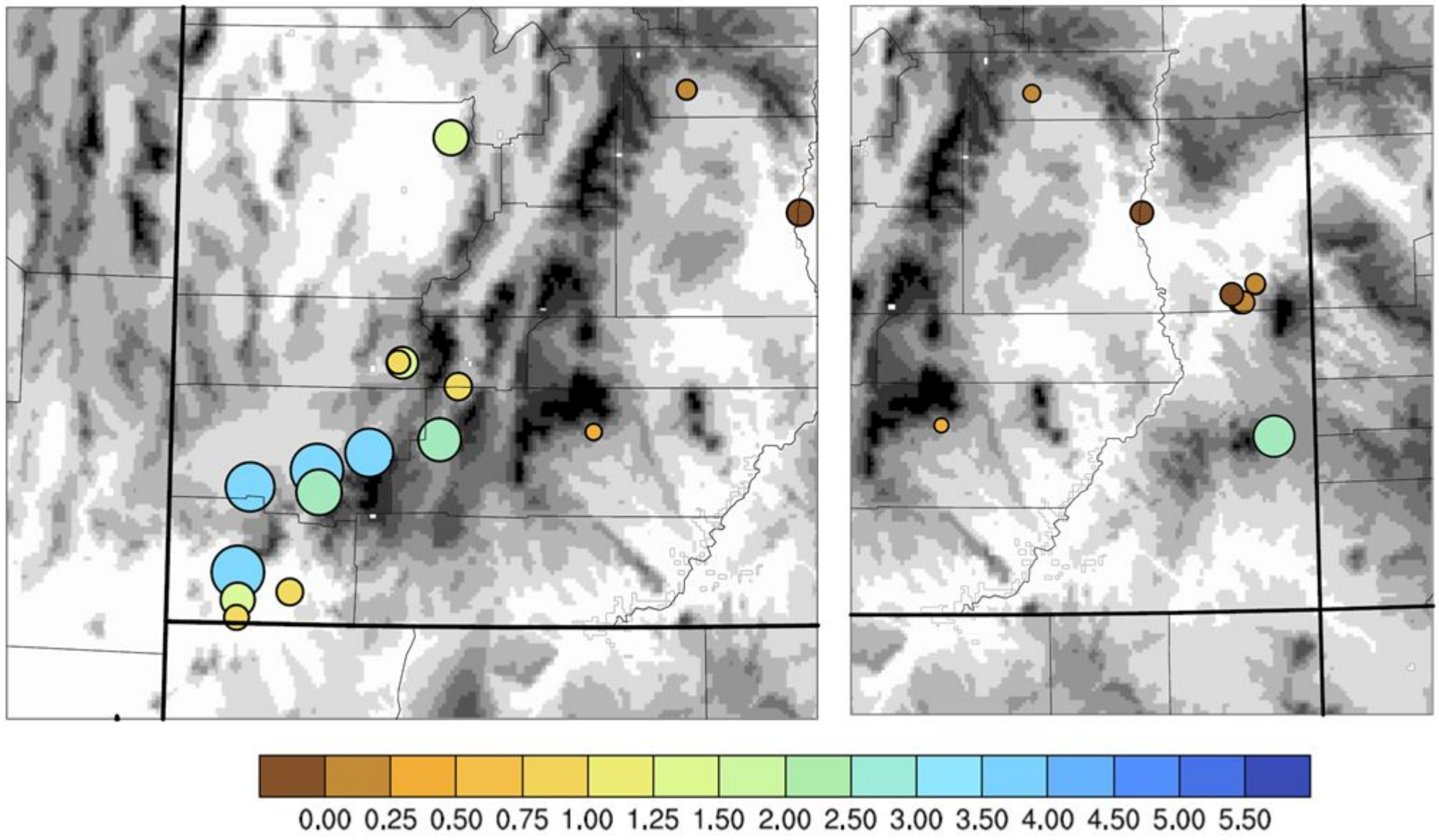
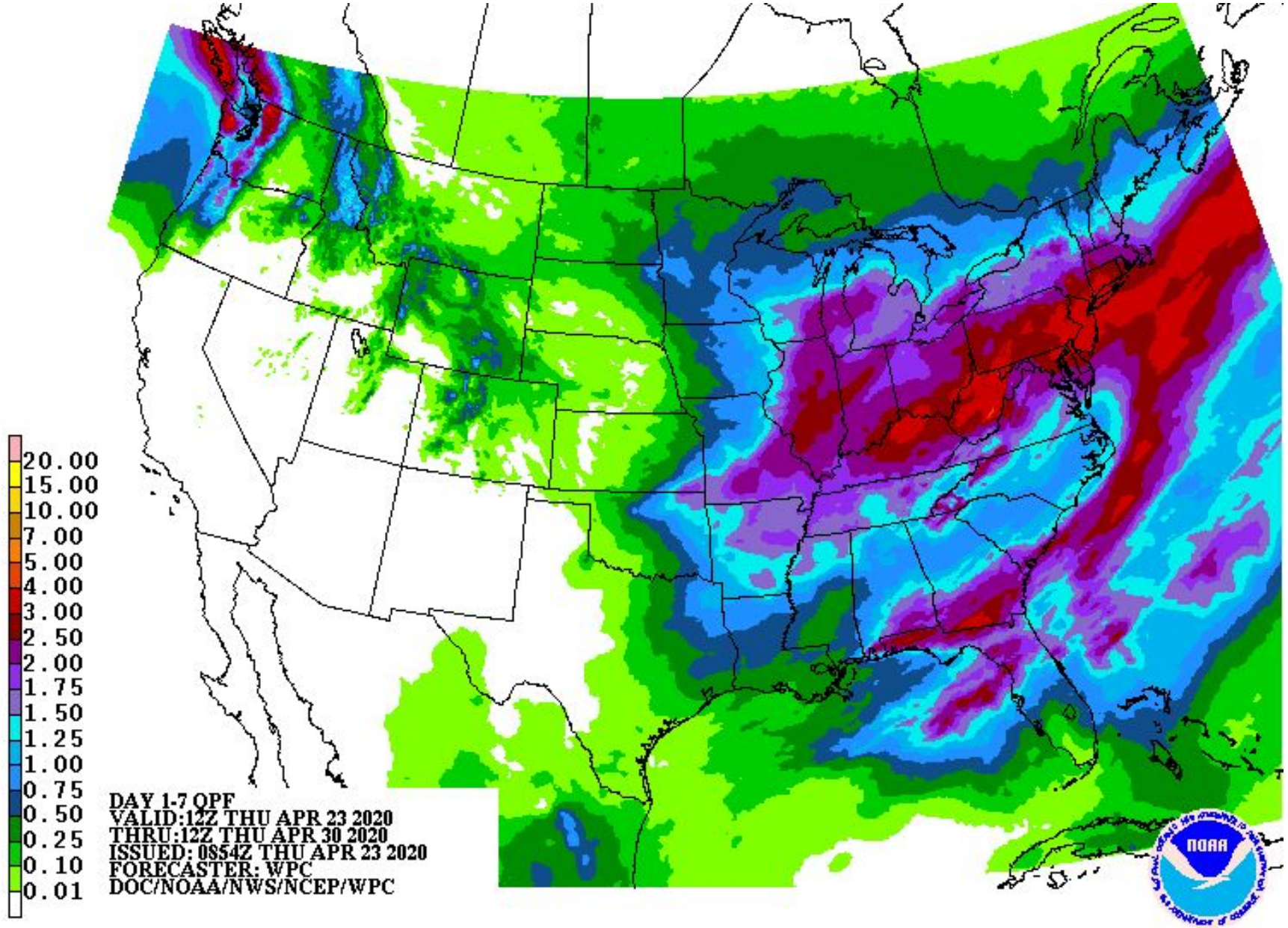
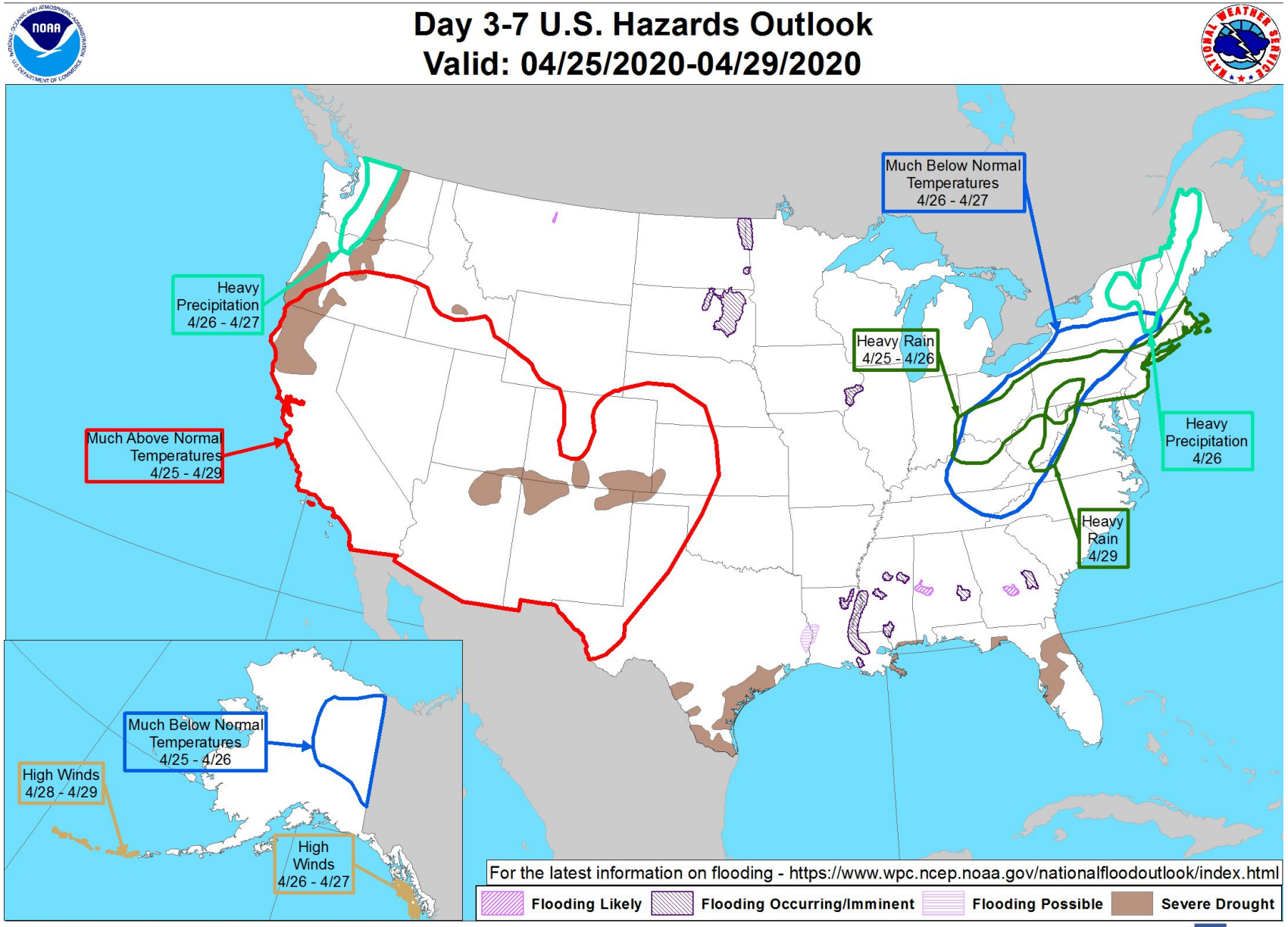


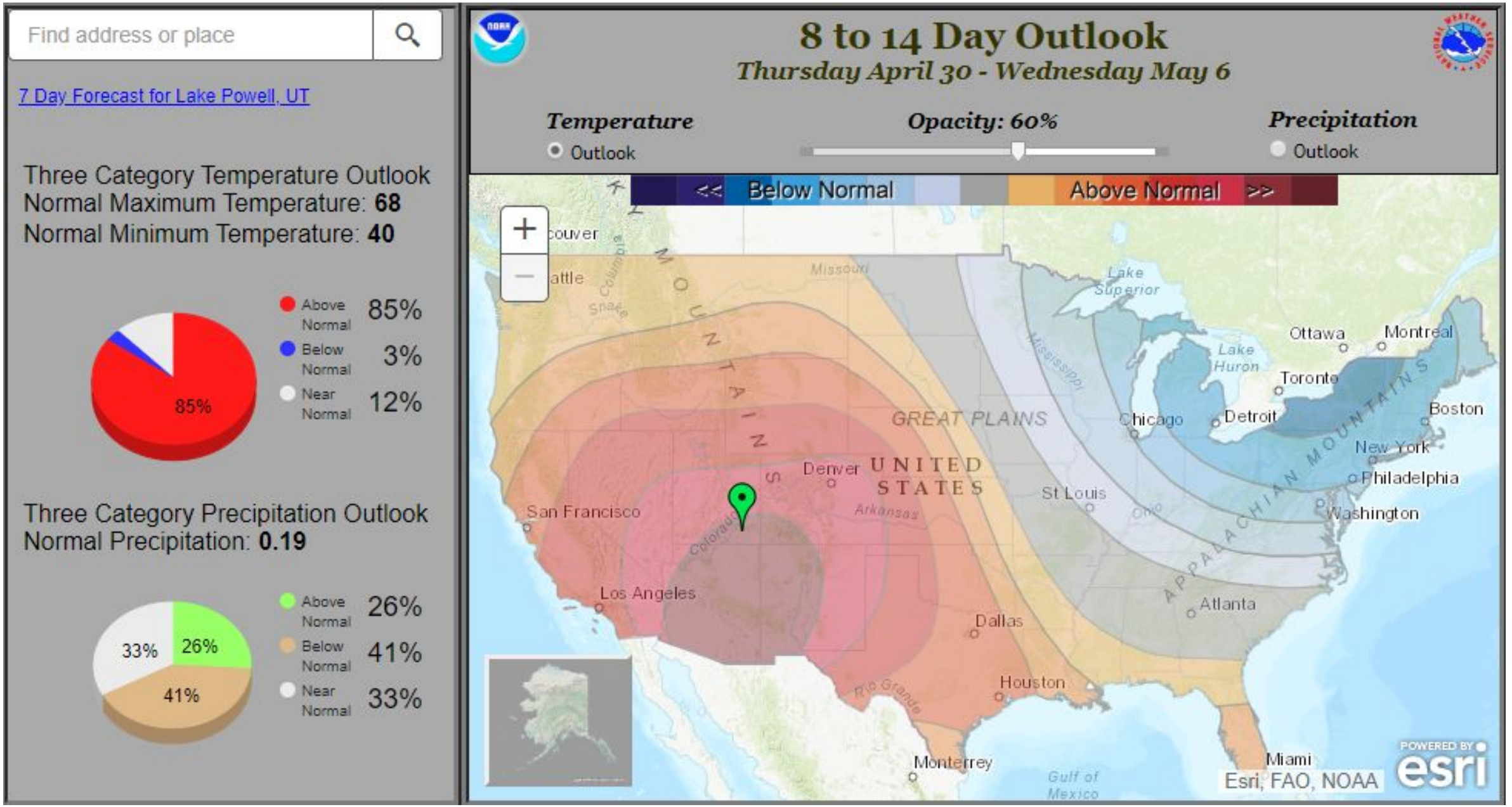
# National Weather Service - Day 1-7 Outlook



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



# Climate Prediction Center 8 to 14 Day Outlooks - Temperature

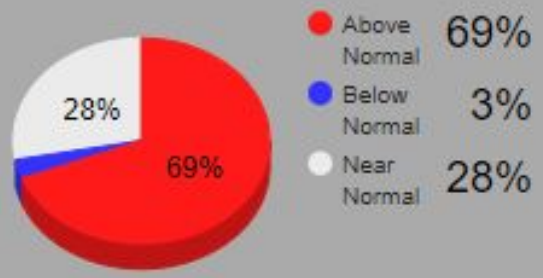


# Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

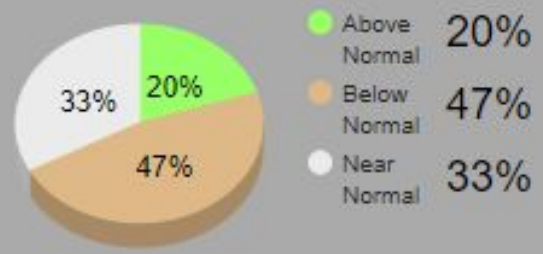
Find address or place

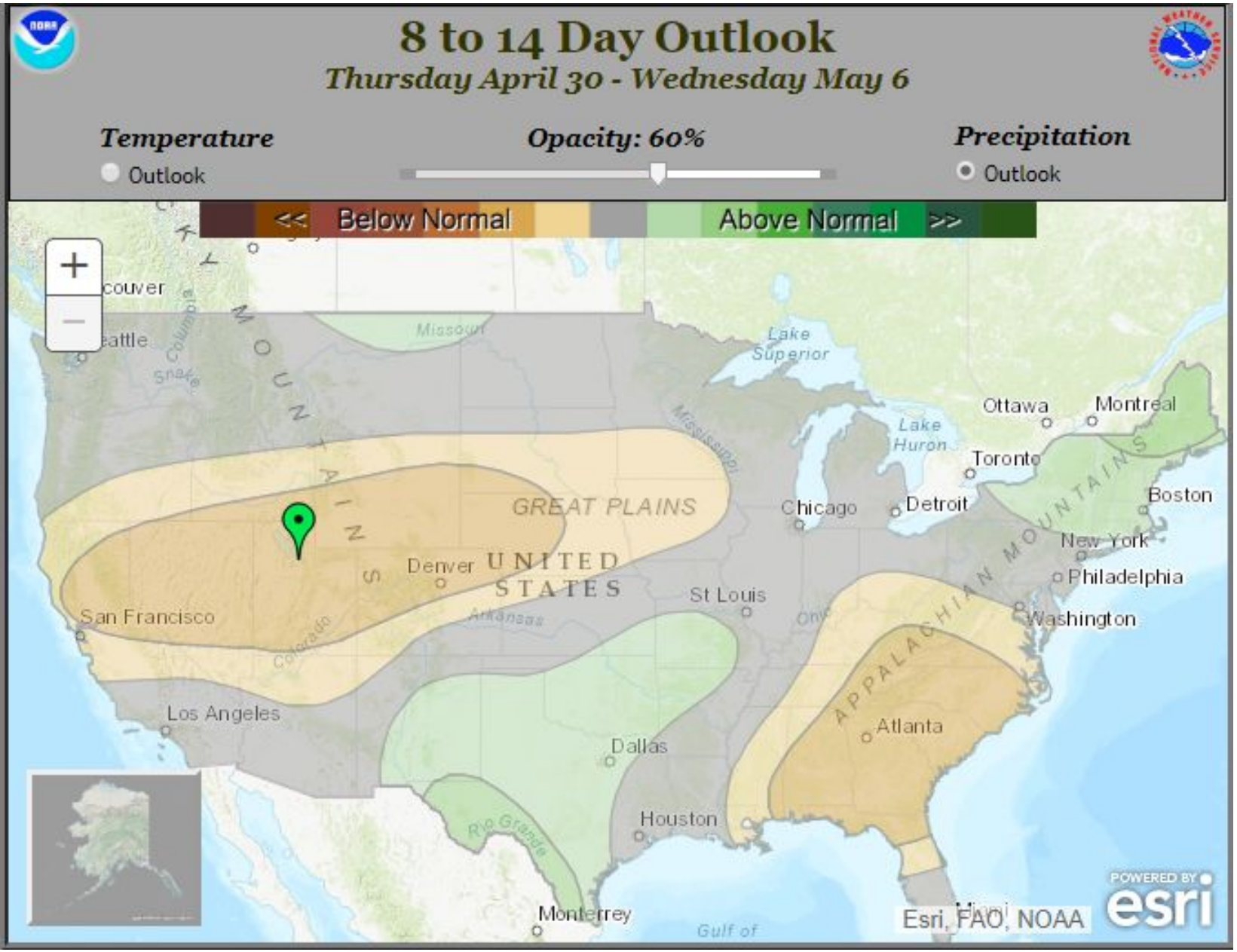
7 Day Forecast for Sandy, UT

Three Category Temperature Outlook
Normal Maximum Temperature: **67**
Normal Minimum Temperature: **41**

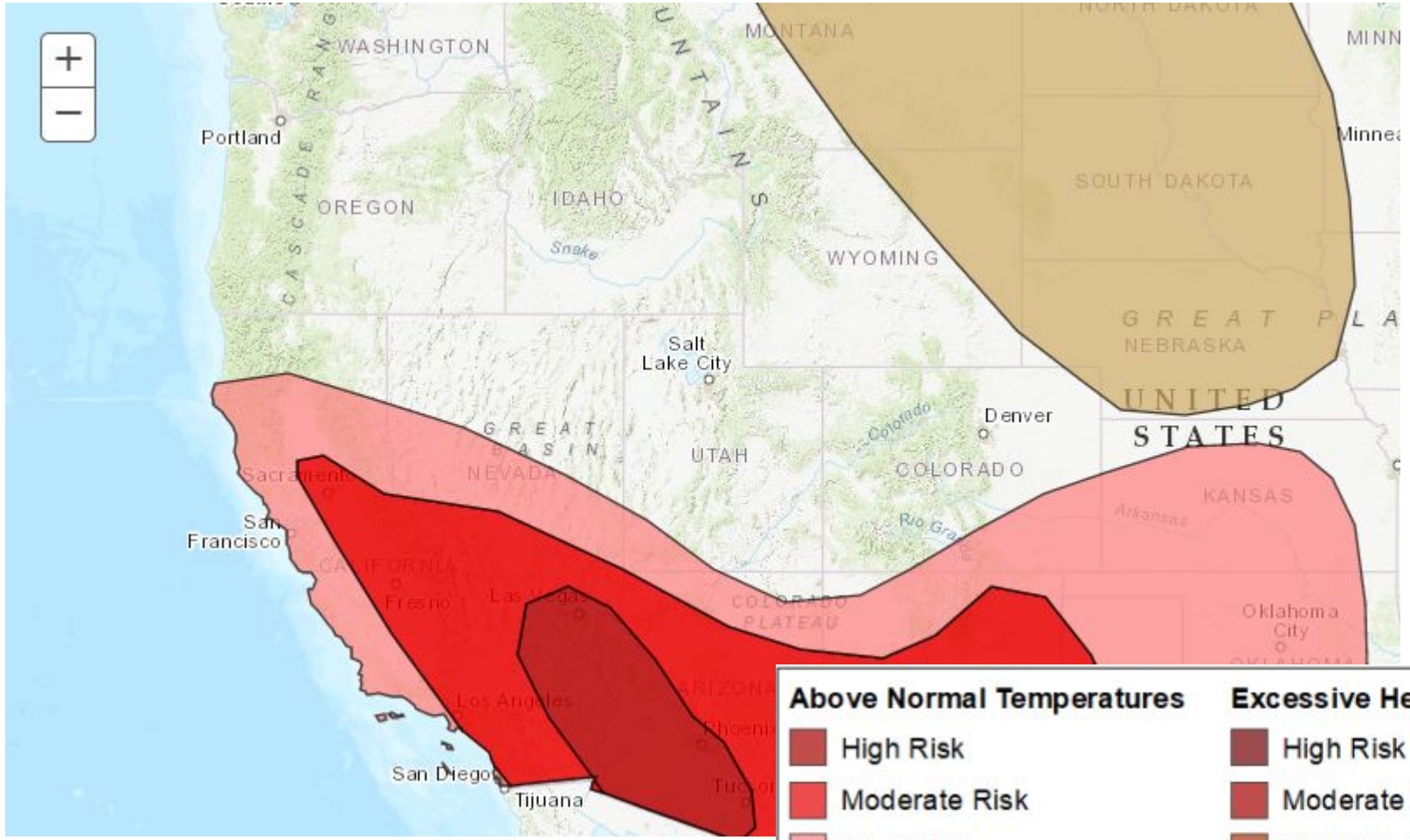



Three Category Precipitation Outlook
Normal Precipitation: **0.54**



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




**Above Normal Temperatures**
- High Risk
- Moderate Risk
- Slight Risk

**Below Normal Temperatures**
- High Risk
- Moderate Risk
- Slight Risk

**Excessive Heat**
- High Risk
- Moderate Risk
- Slight Risk

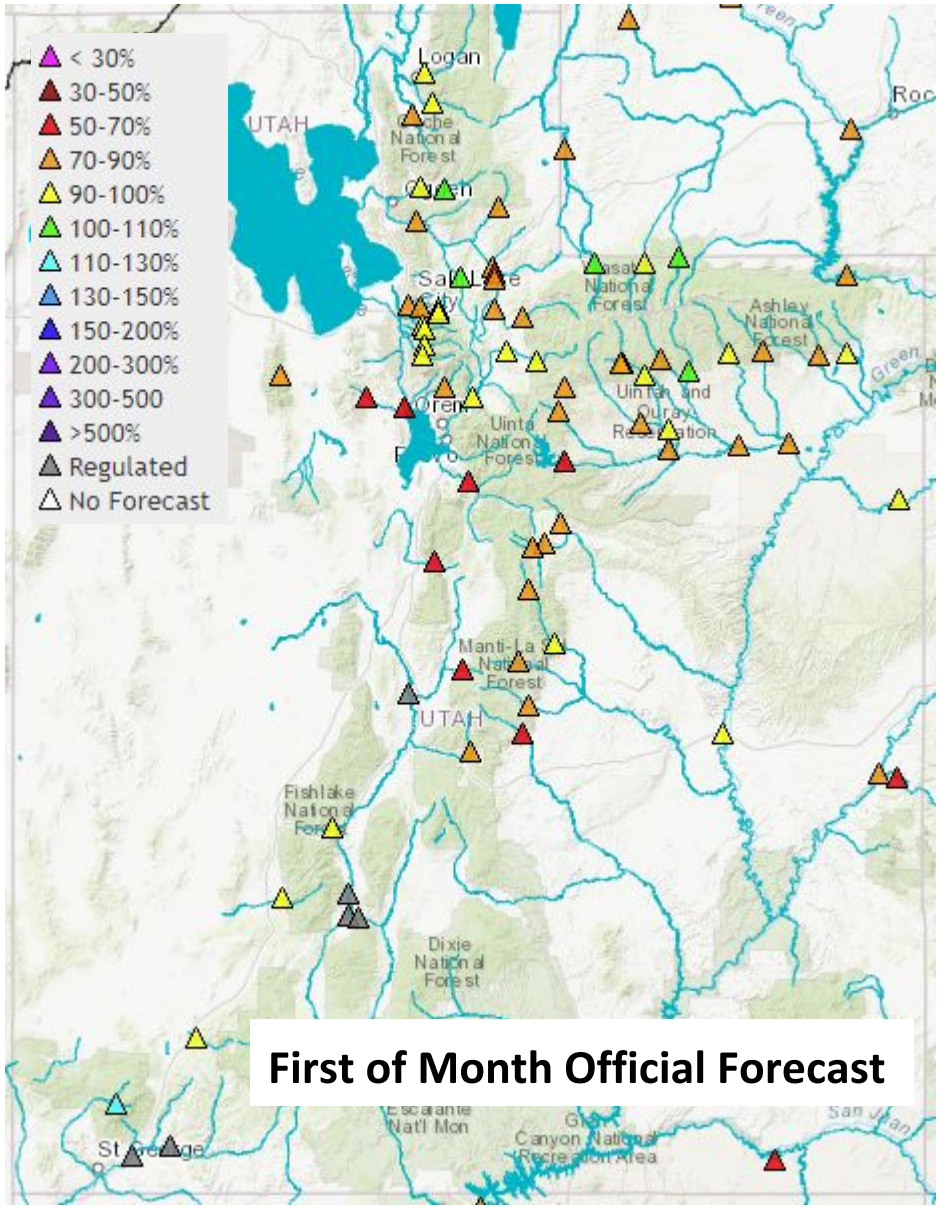
**High Winds**
- Moderate Risk
- Slight Risk

**Heavy Precipitation**
- High Risk
- Moderate Risk
- Slight Risk

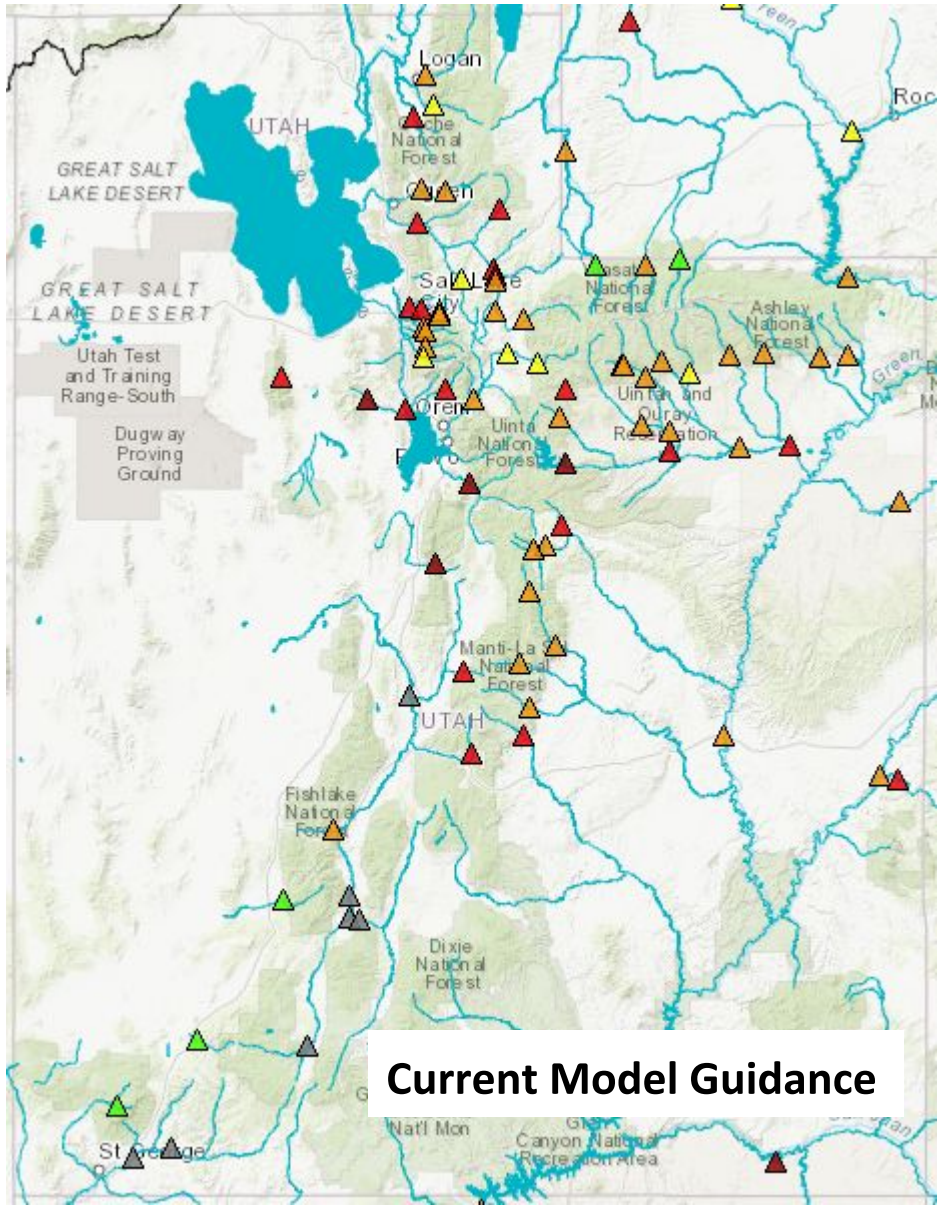
**Heavy Snow**
- High Risk
- Moderate Risk
- Slight Risk

**Composite**
- Flooding Possible
- Frozen Precipitation
- Severe Weather

# Water Supply Forecasts / Runoff (Percent of Average)

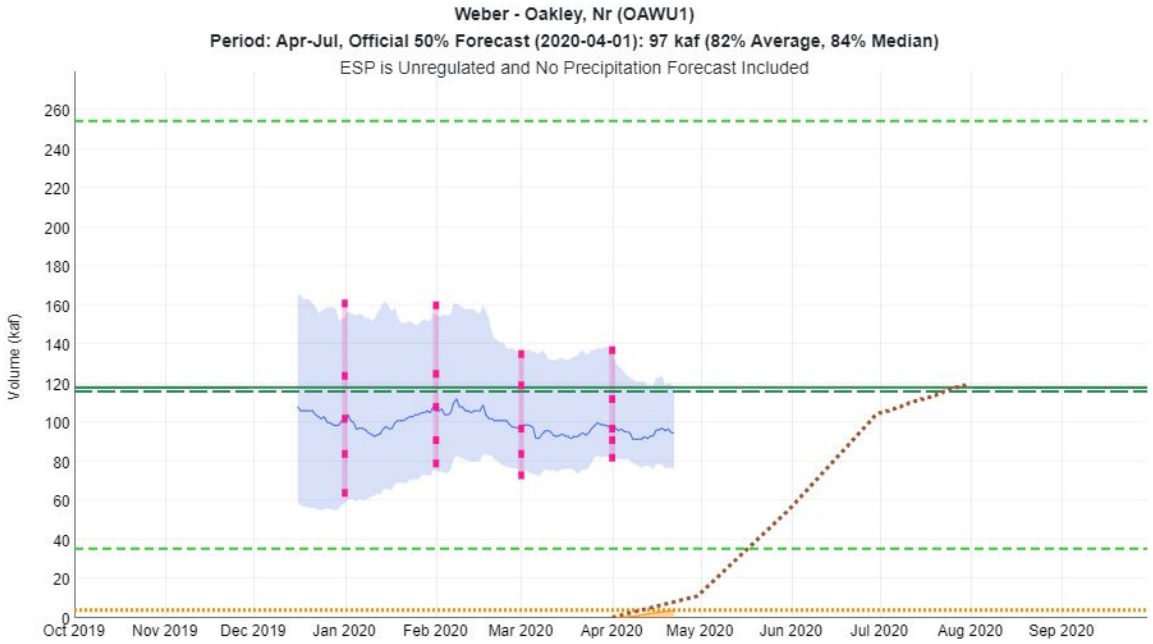


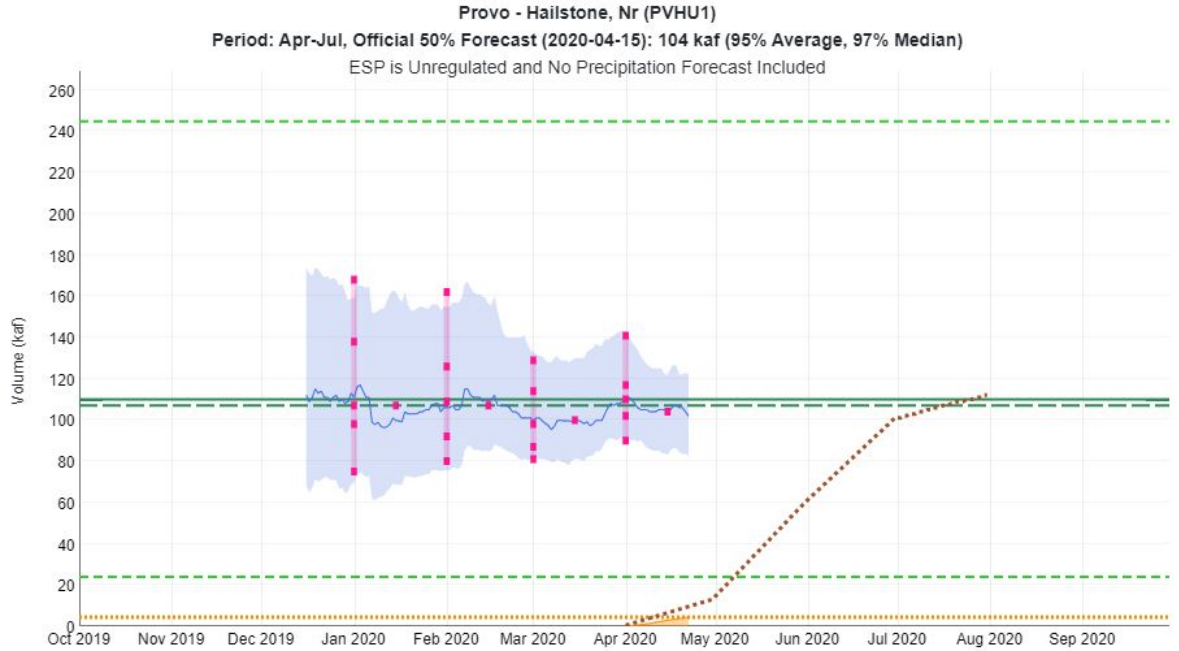

**First of Month Official Forecast**

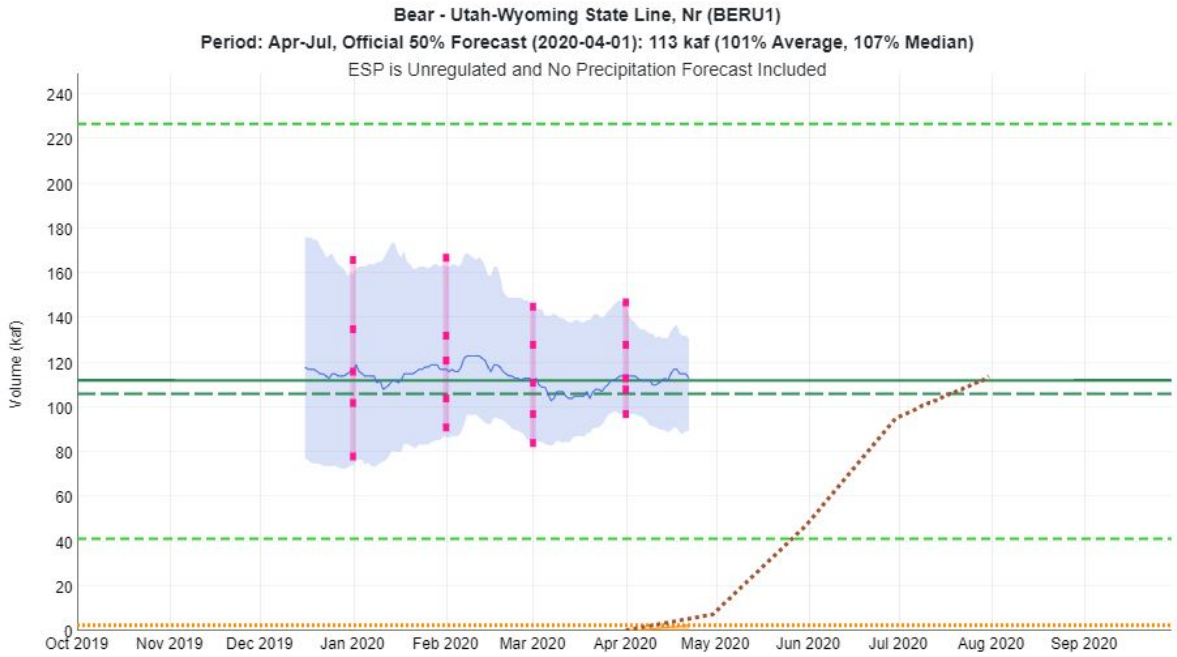


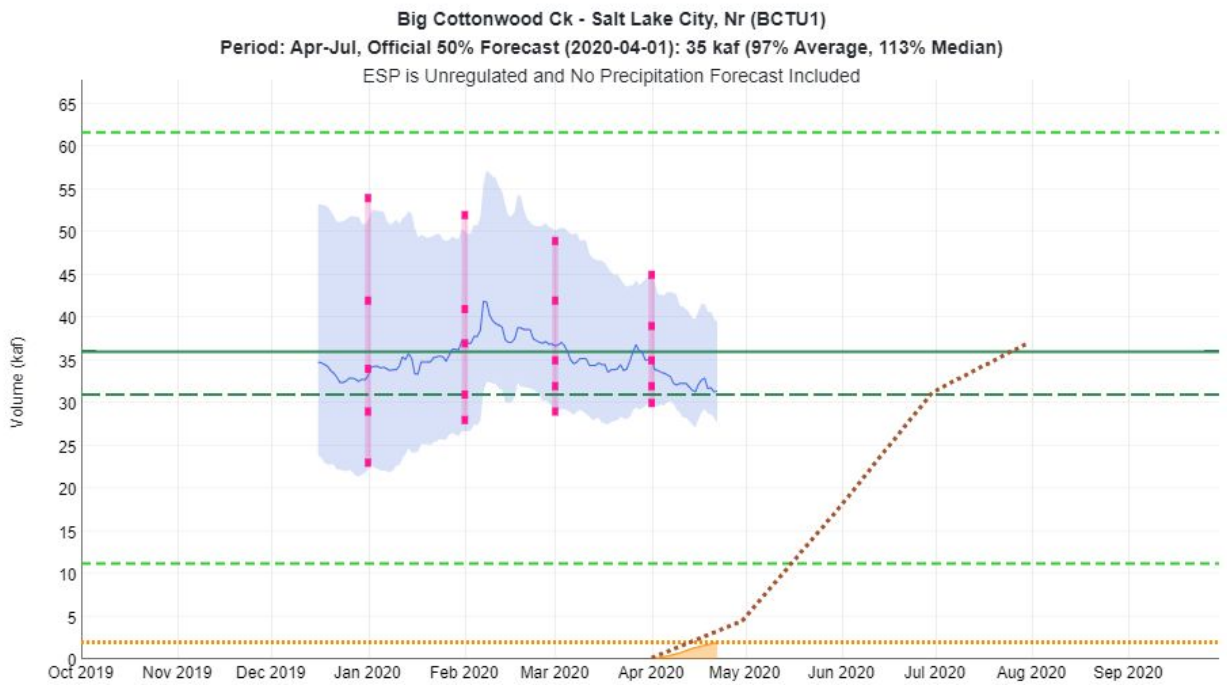

**Current Model Guidance**

Since the beginning of the month, forecasted seasonal runoff volumes have generally decreased, particularly in the Six Creeks and Provo River headwater areas.

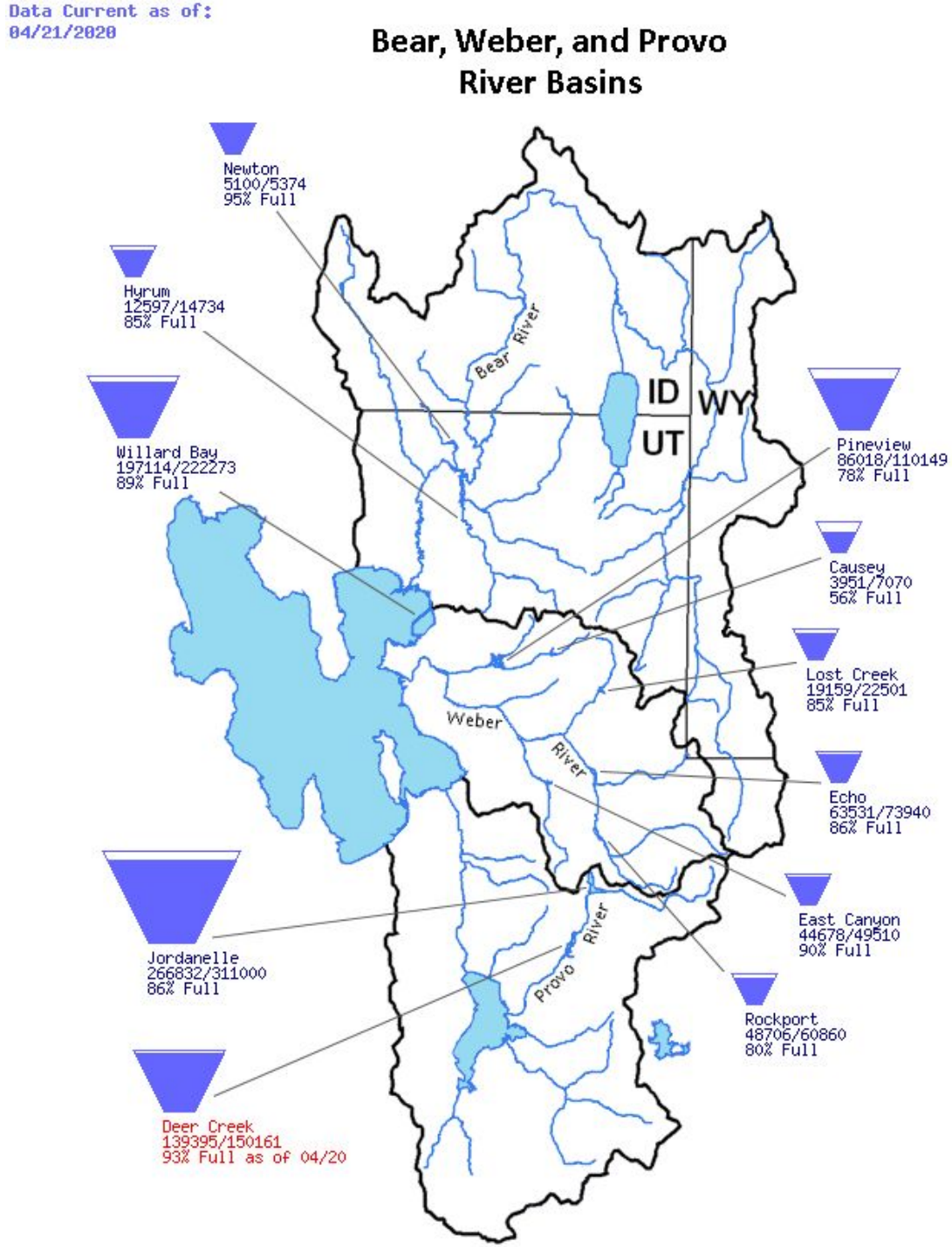

Weber - Oakley, Nr (OAWU1)
Period: Apr-Jul, Official 50% Forecast (2020-04-01): 97 kaf (82% Average, 84% Median)
ESP is Unregulated and No Precipitation Forecast Included
Volume (kaf)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020
Mar 2020
Apr 2020
May 2020
Jun 2020
Jul 2020
Aug 2020
Sep 2020


Provo - Hailstone, Nr (PVHU1)
Period: Apr-Jul, Official 50% Forecast (2020-04-15): 104 kaf (95% Average, 97% Median)
ESP is Unregulated and No Precipitation Forecast Included
Volume (kaf)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020
Mar 2020
Apr 2020
May 2020
Jun 2020
Jul 2020
Aug 2020
Sep 2020

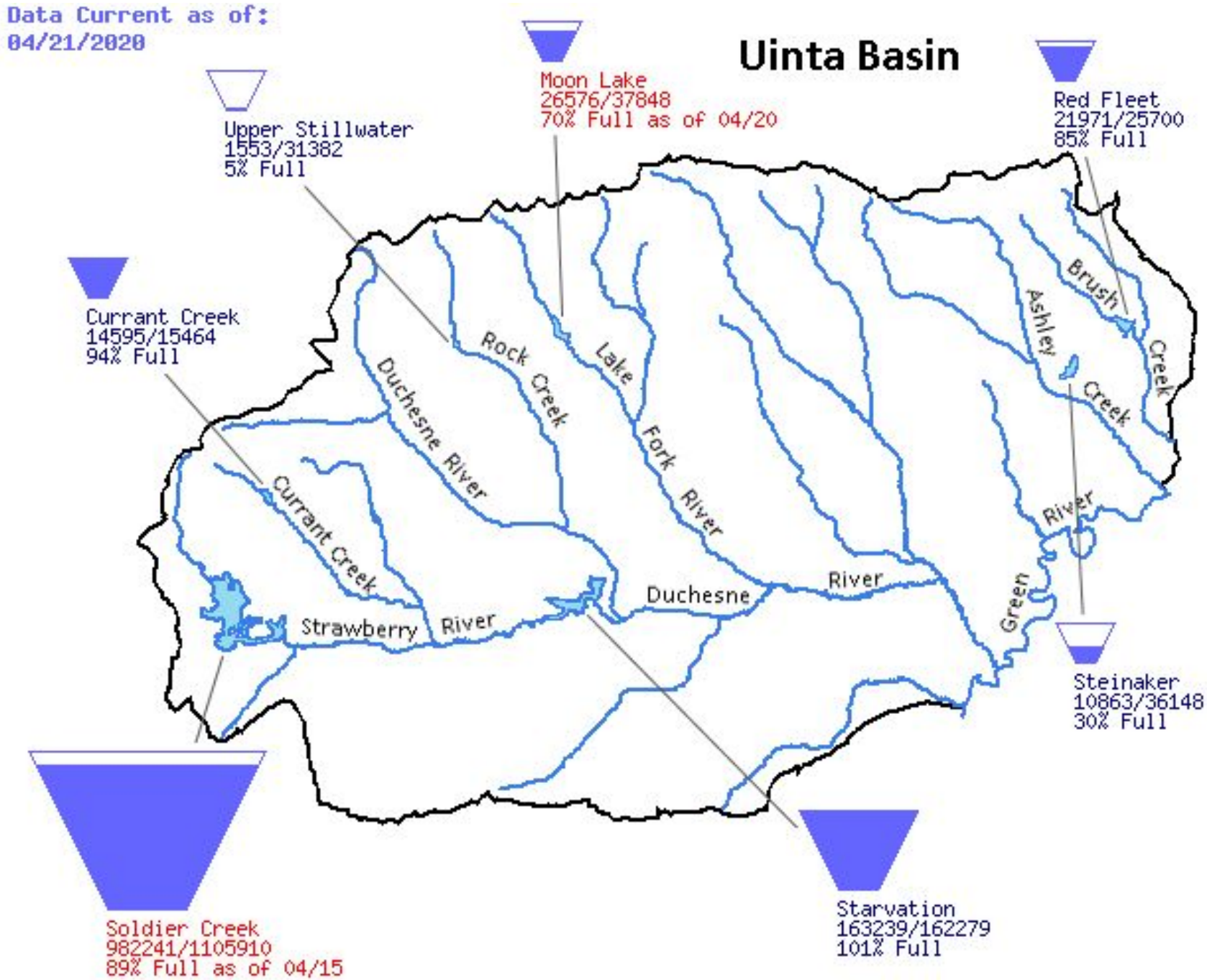

Bear - Utah-Wyoming State Line, Nr (BERU1)
Period: Apr-Jul, Official 50% Forecast (2020-04-01): 113 kaf (101% Average, 107% Median)
ESP is Unregulated and No Precipitation Forecast Included
Volume (kaf)
0
20
40
60
80
100
120
140
160
180
200
220
240
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020
Mar 2020
Apr 2020
May 2020
Jun 2020
Jul 2020
Aug 2020
Sep 2020


Big Cottonwood Ck - Salt Lake City, Nr (BCTU1)
Period: Apr-Jul, Official 50% Forecast (2020-04-01): 35 kaf (97% Average, 113% Median)
ESP is Unregulated and No Precipitation Forecast Included
Volume (kaf)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
Oct 2019
Nov 2019
Dec 2019
Jan 2020
Feb 2020
Mar 2020
Apr 2020
May 2020
Jun 2020
Jul 2020
Aug 2020
Sep 2020

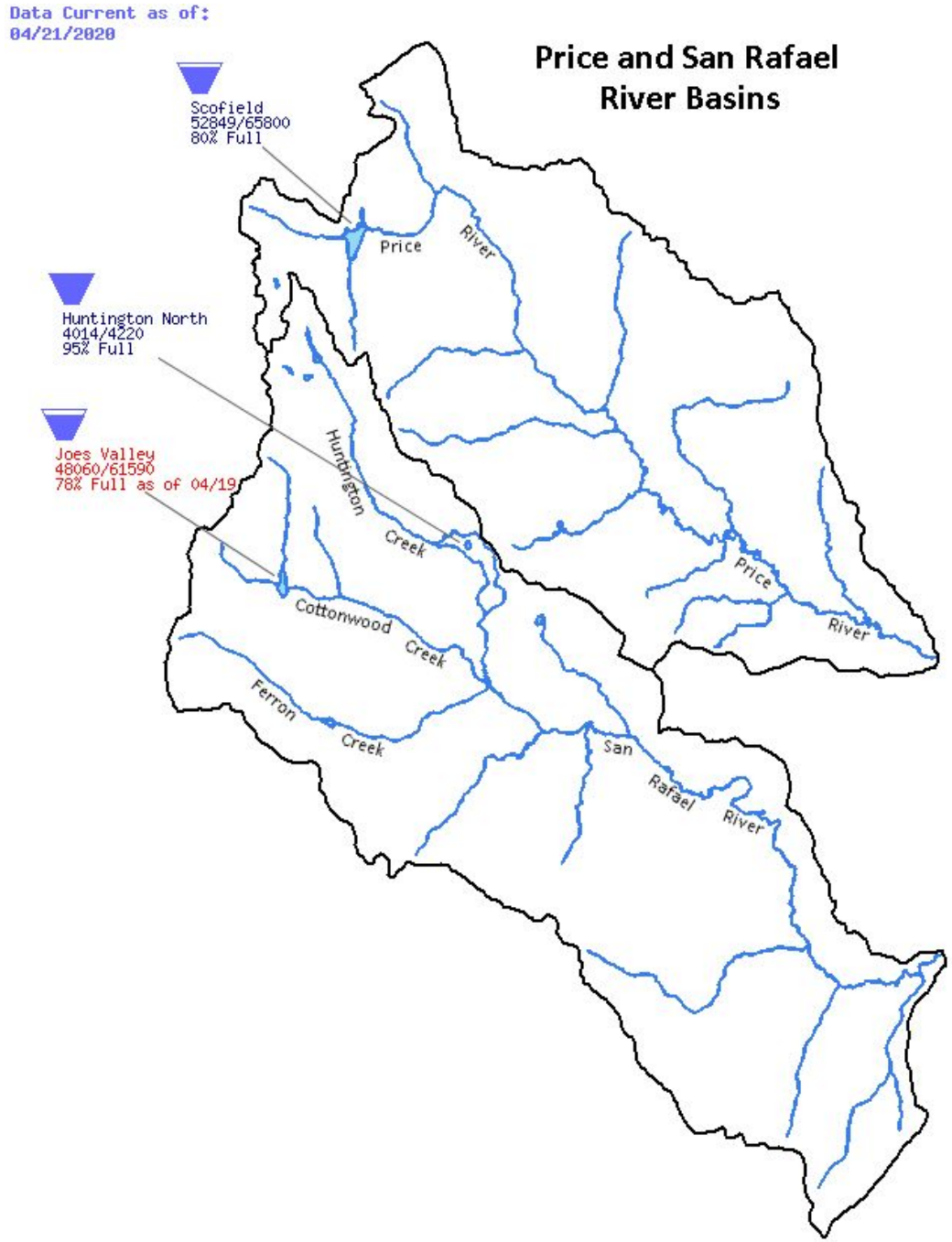
Bureau of Reclamation



Bureau of Reclamation

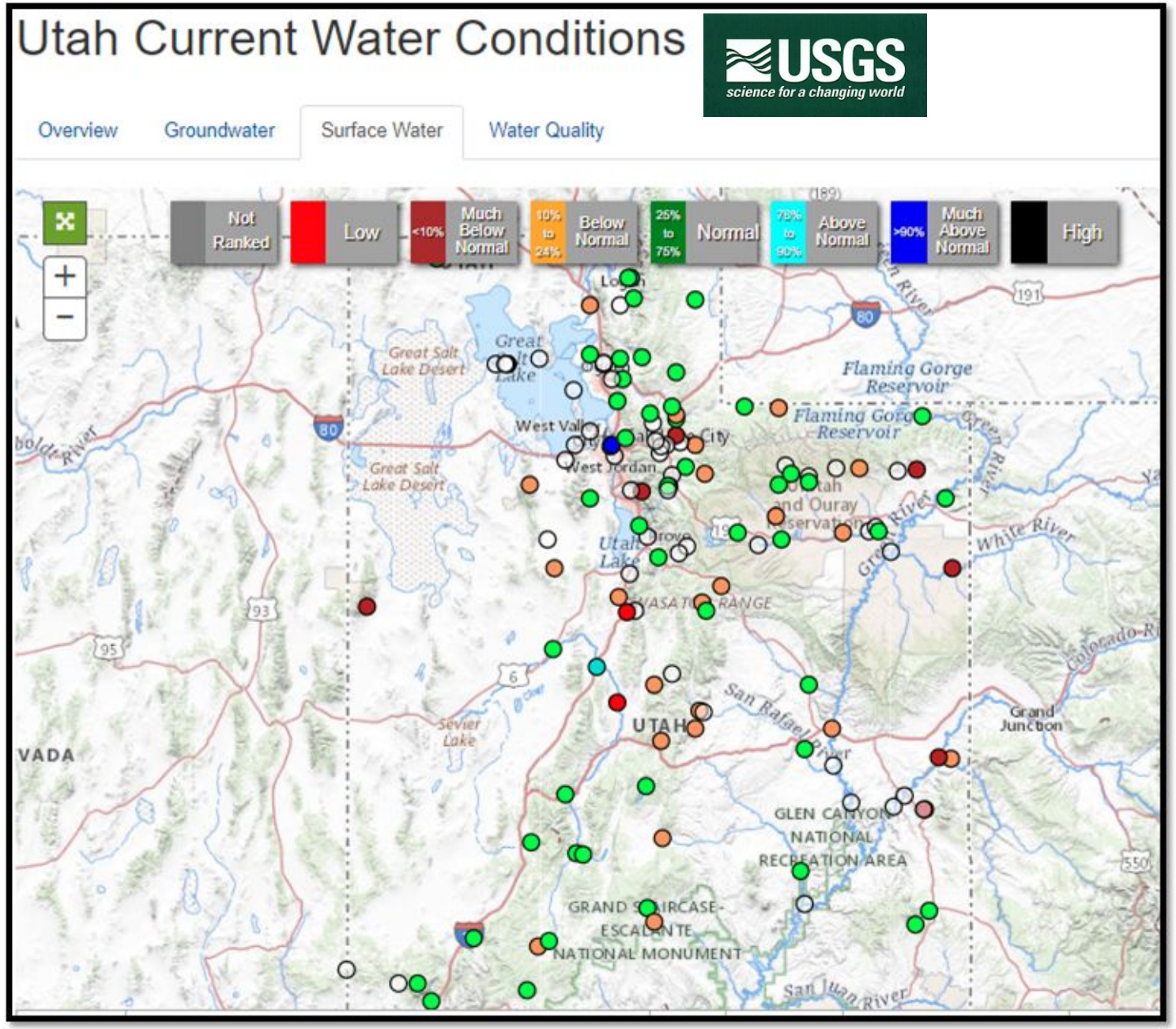


Bureau of Reclamation



# USGS Streamflow Data

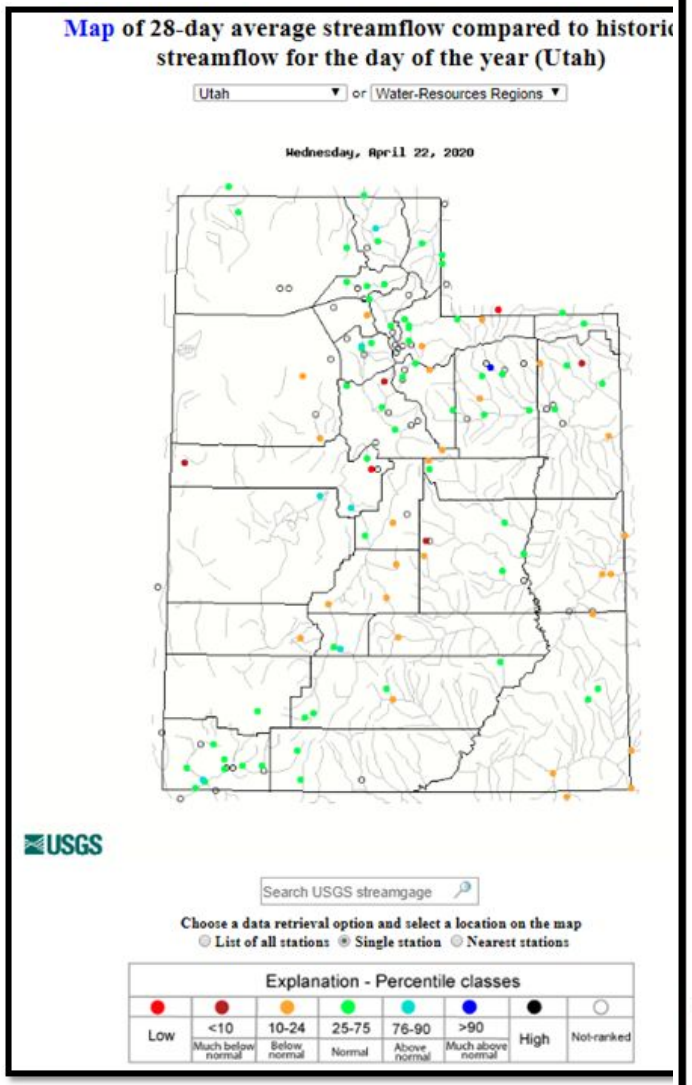
**Ryan Rowland**

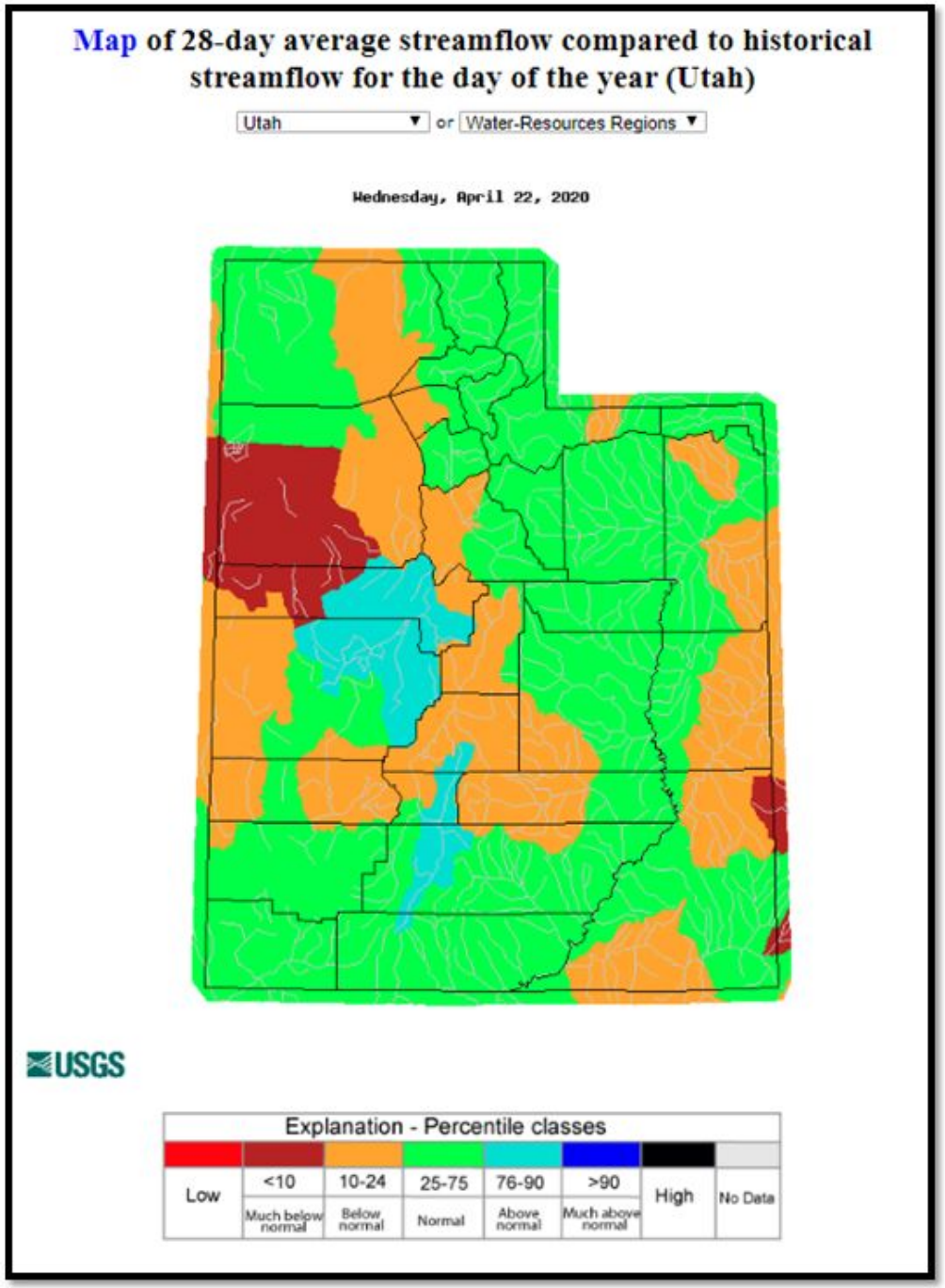



https://www.usgs.gov/centers/water-dashboard/surface?state=ut

# USGS Streamflow Data

**Ryan Rowland**




https://waterwatch.usgs.gov/index.php

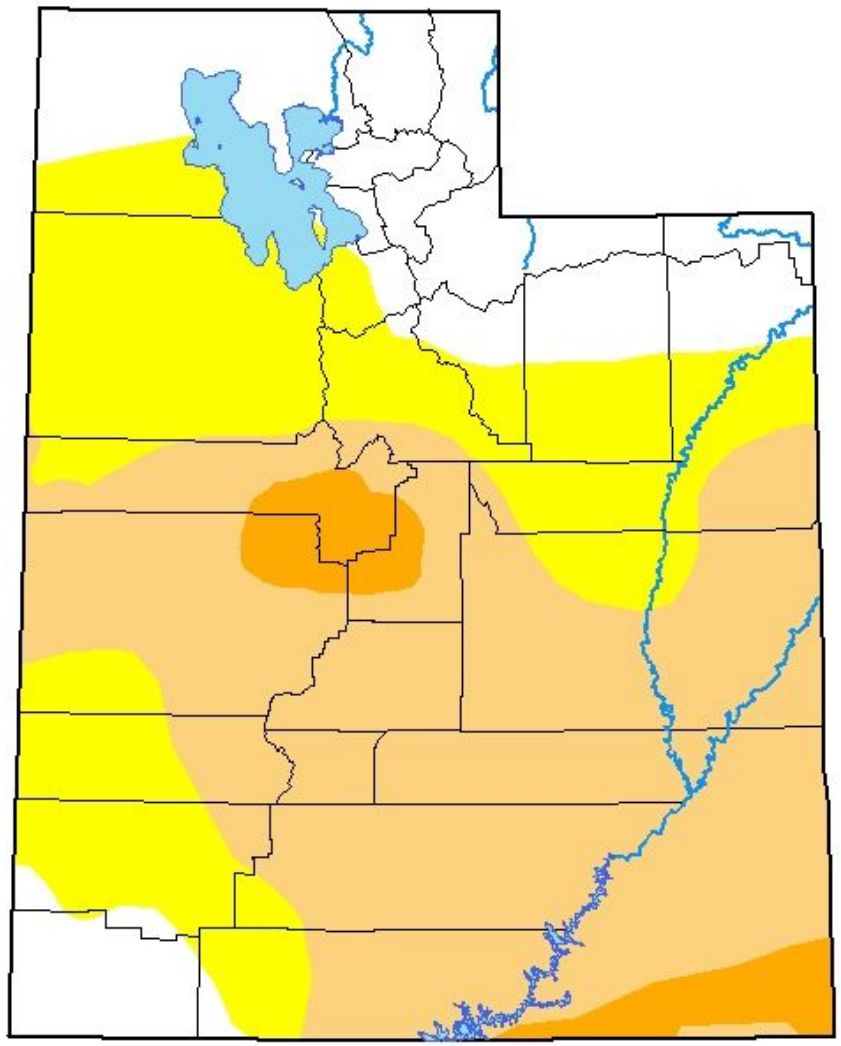
*U.S. Drought Monitor*

# Utah

**April 21, 2020**

***(Released Thursday, Apr. 23, 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:*

Brian Fuchs
National Drought Mitigation Center

**droughtmonitor.unl.edu**