



COLORADO
Division of Water Resources
Department of Natural Resources

Division Engineer Water Supply Report & Update

*Gunnison State of the River Meeting
June 24, 2020*

Bob W. Hurford, P.E.
Division Engineer

19 States & Mexico Rely on Colorado Water

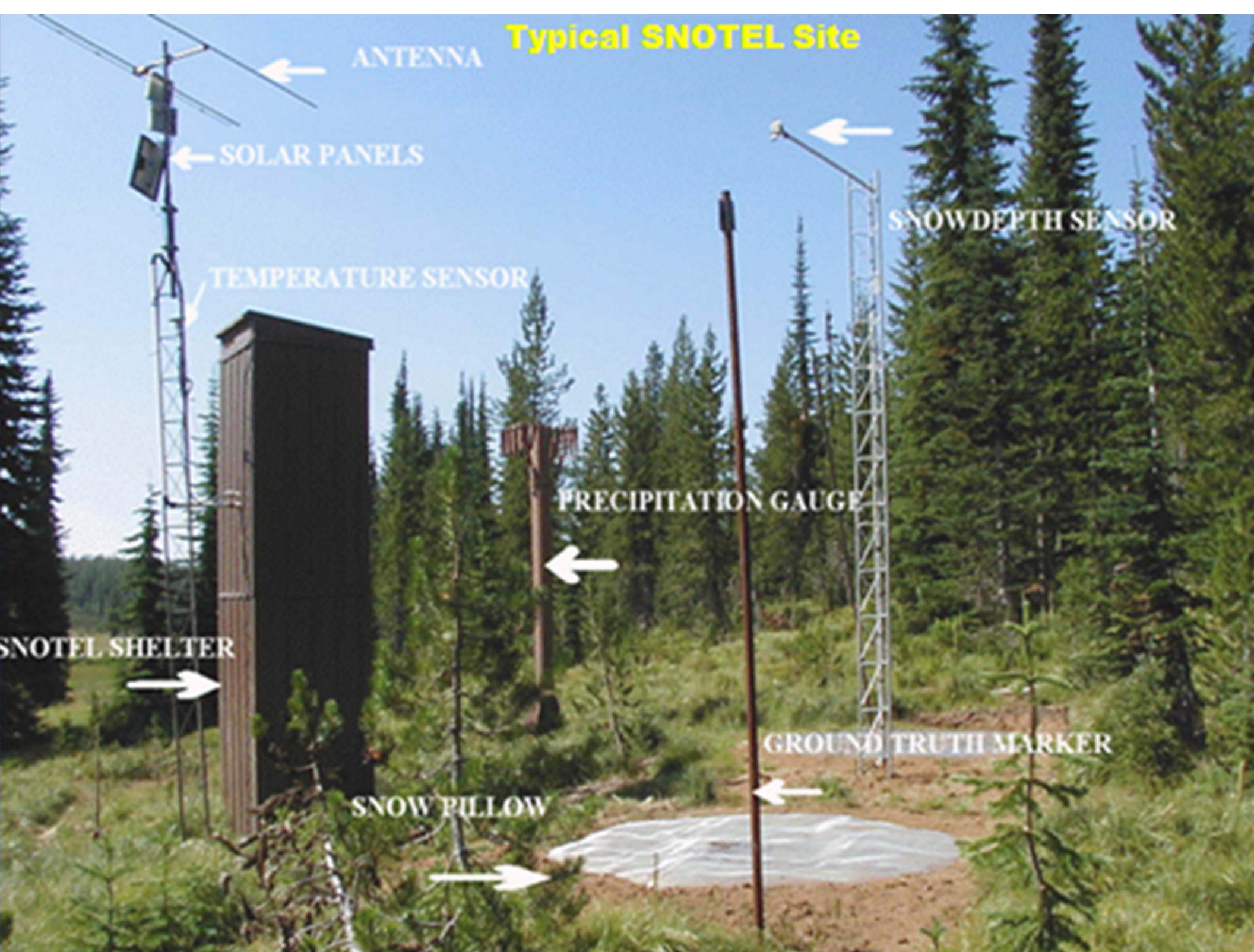


Water Deliveries in Colorado

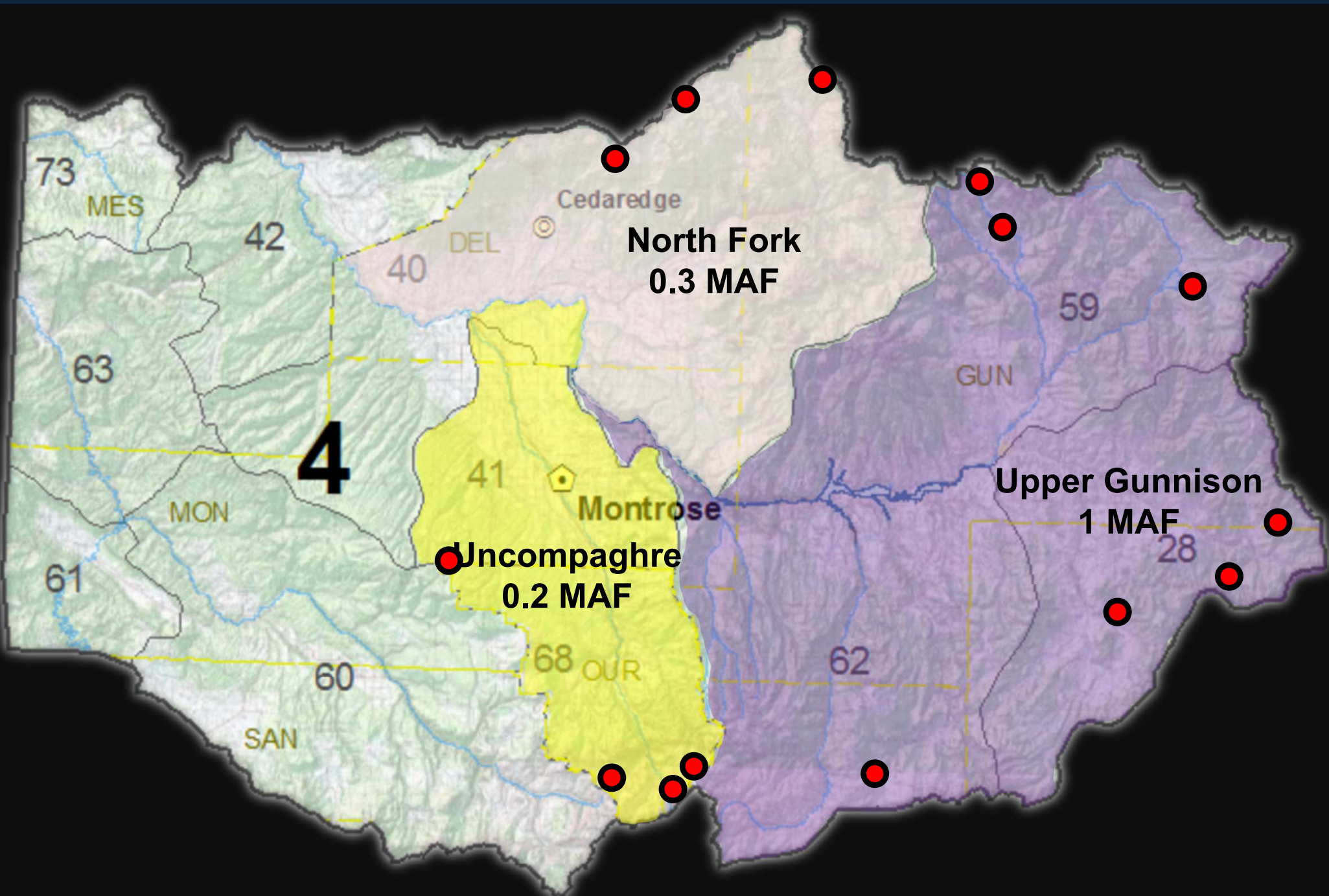
- Agriculture
86%
- Municipal/Domestic
7%
- Recreation/Fisheries
3%
- Industrial/Commercial
2%
- Augmentation
1%
- Recharge
1%



Typical SNOTEL Site



Water Supply

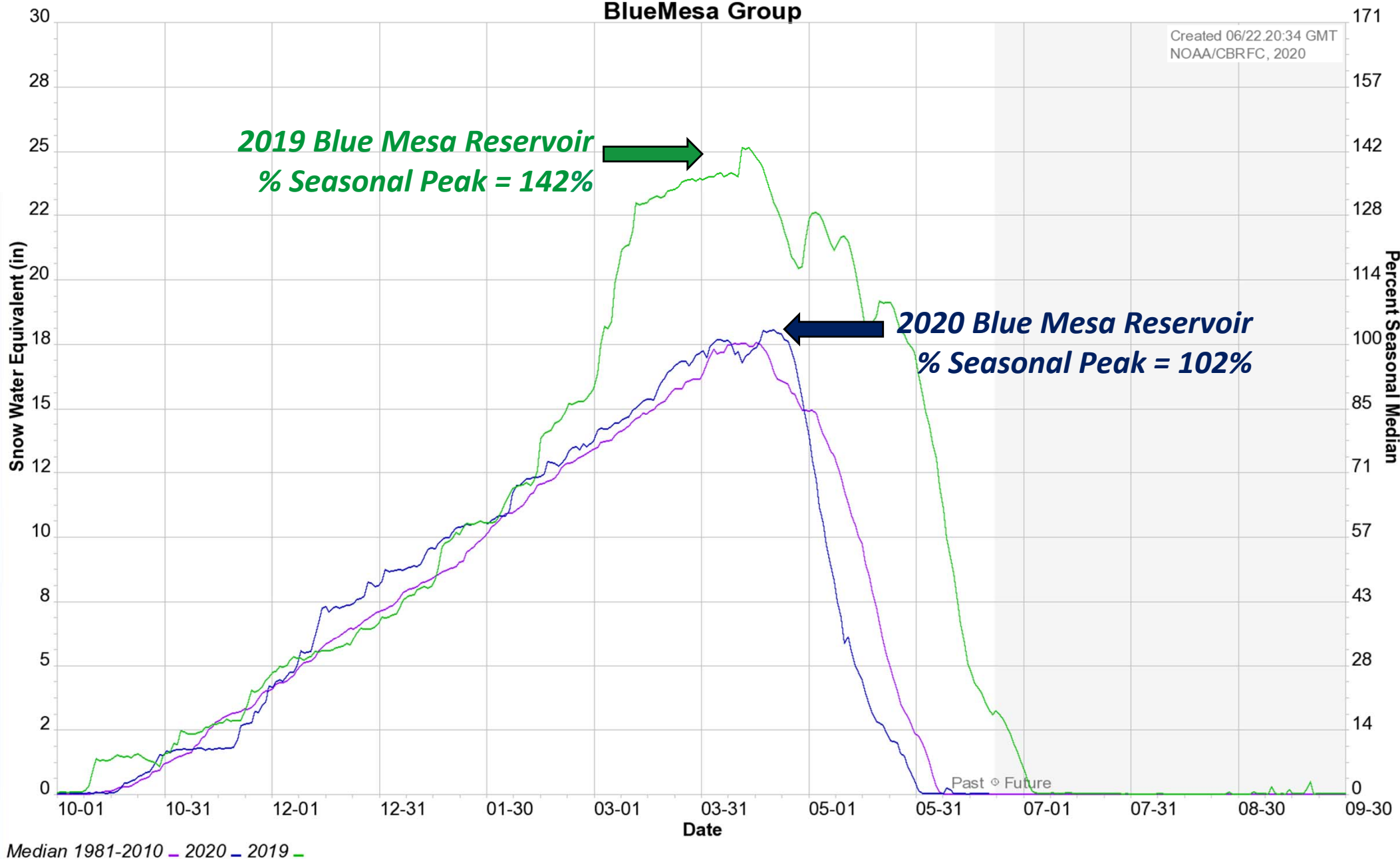




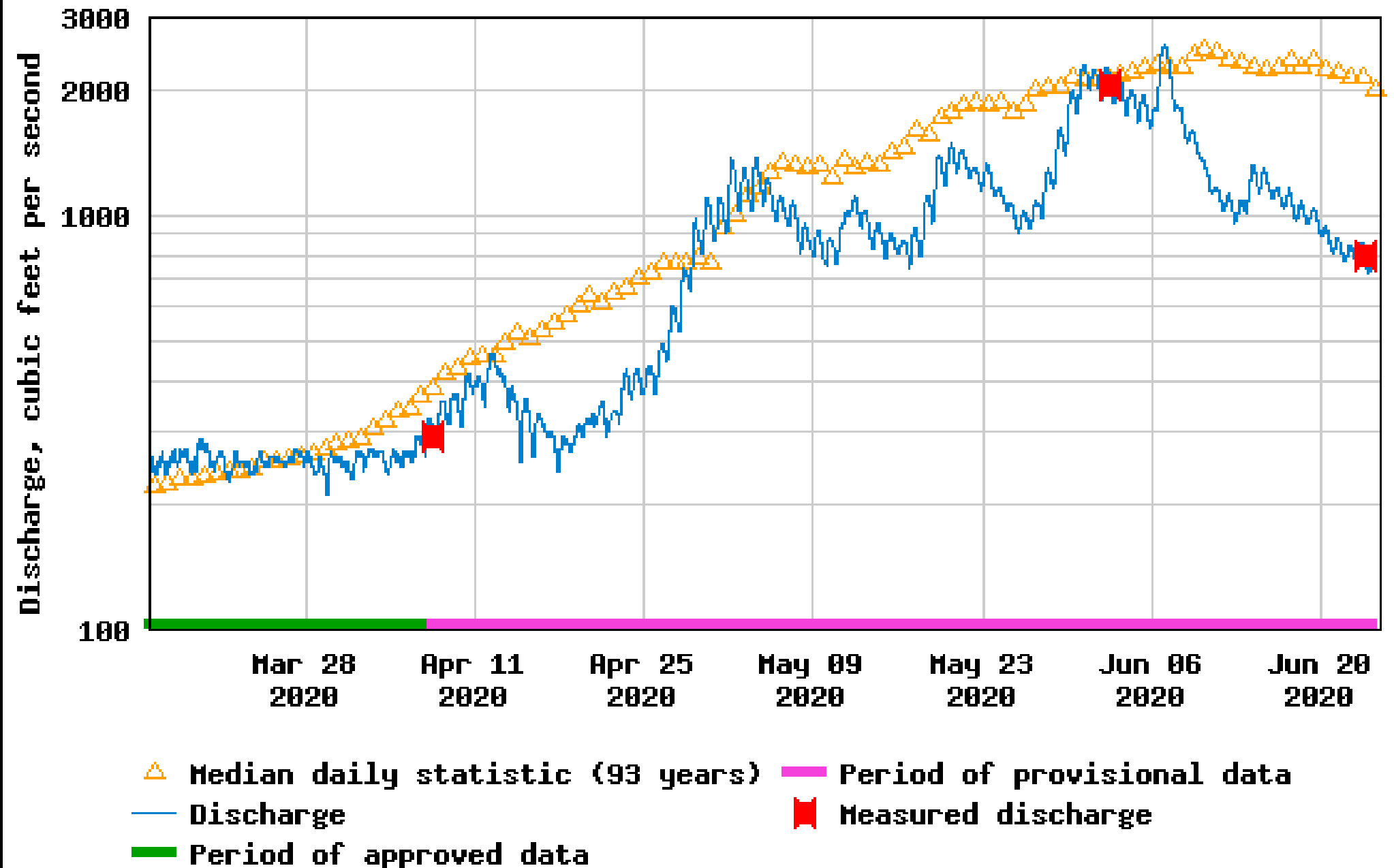
Blue Mesa Water Supply

Colorado Basin River Forecast Center
BlueMesa Group

Created 06/22 20:34 GMT
NOAA/CBRFC, 2020

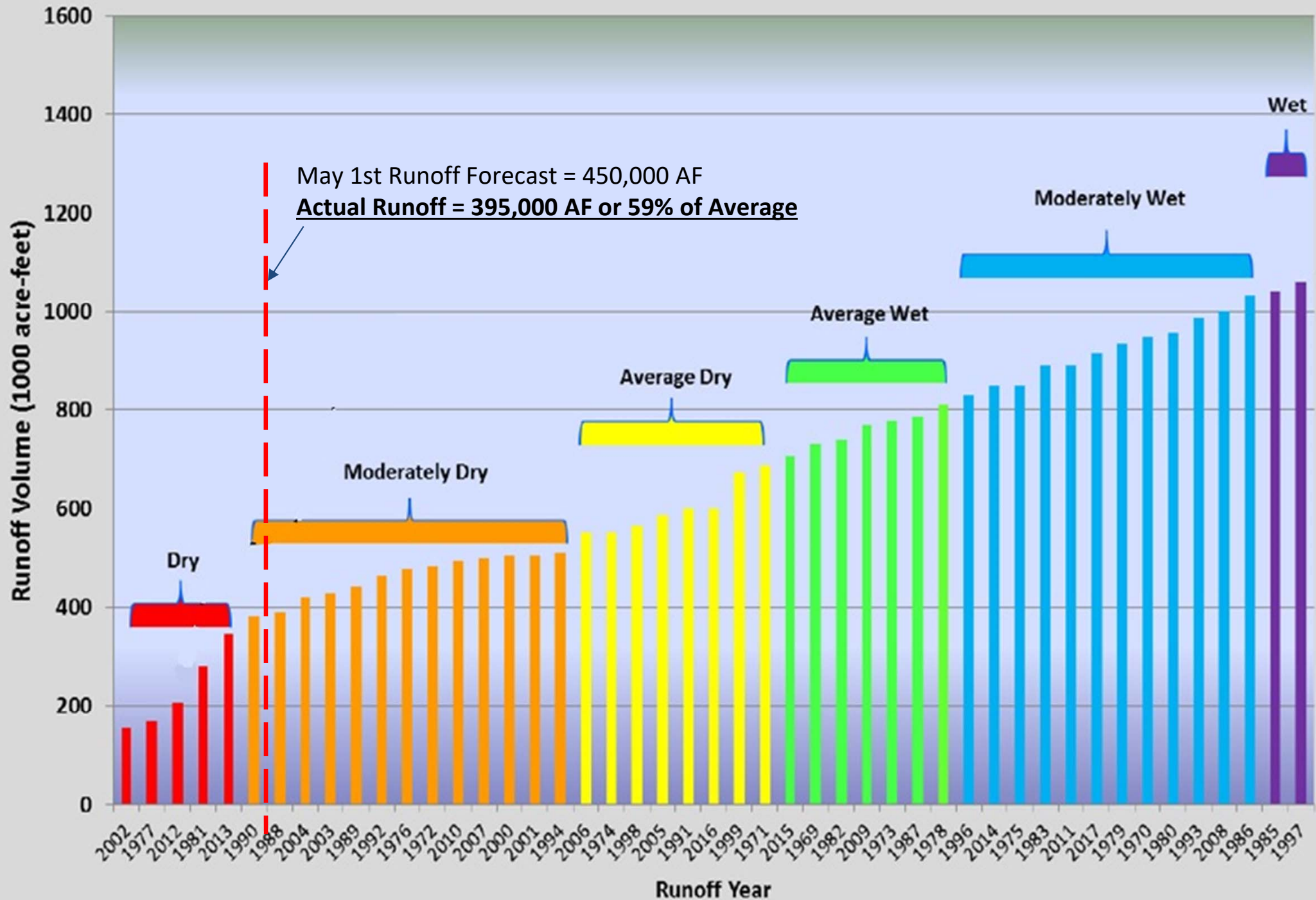


USGS 09114500 GUNNISON RIVER NEAR GUNNISON, CO.



Blue Mesa Reservoir

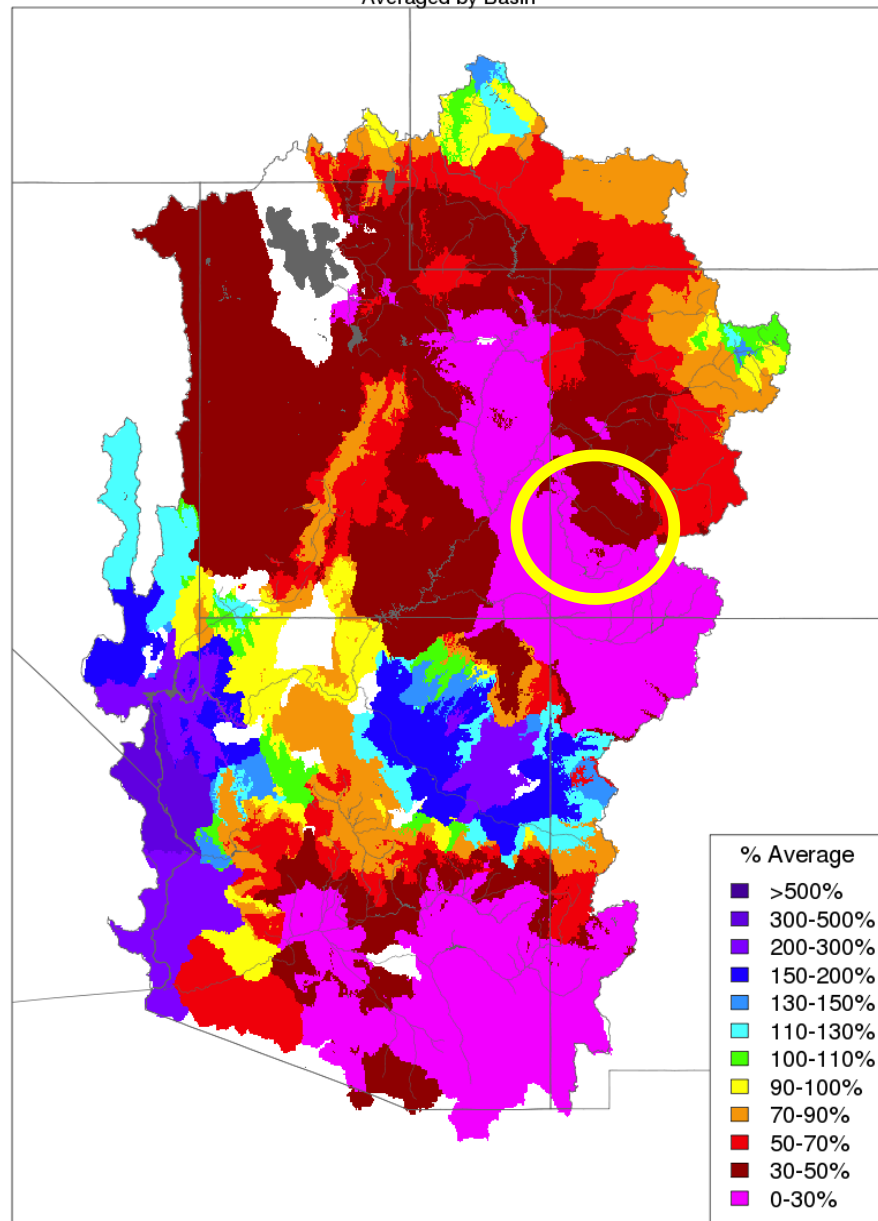
Historic Apr-July Unregulated Inflow Volume Ranking (1969-2017)



April and May Precipitation

Monthly Precipitation - April 2020

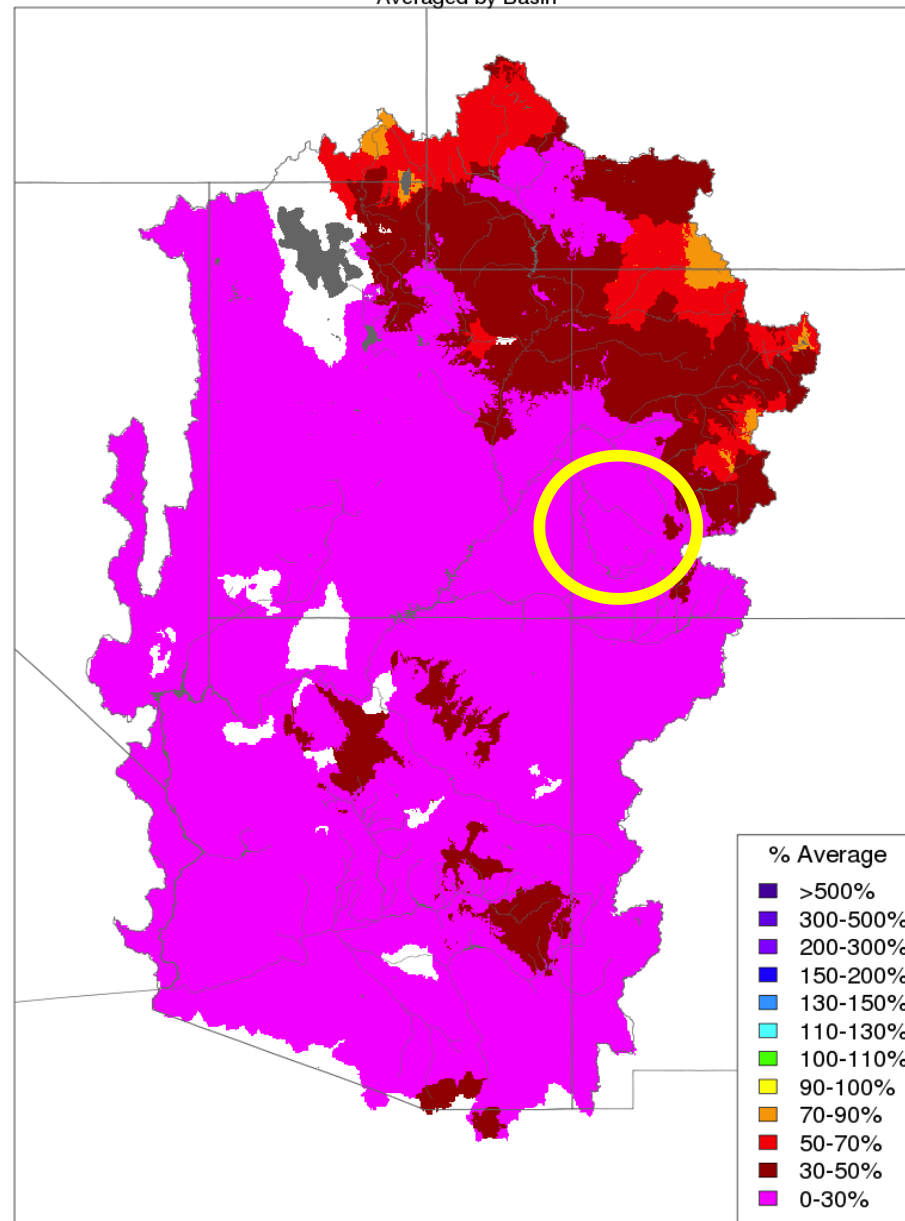
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Monthly Precipitation - May 2020

Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

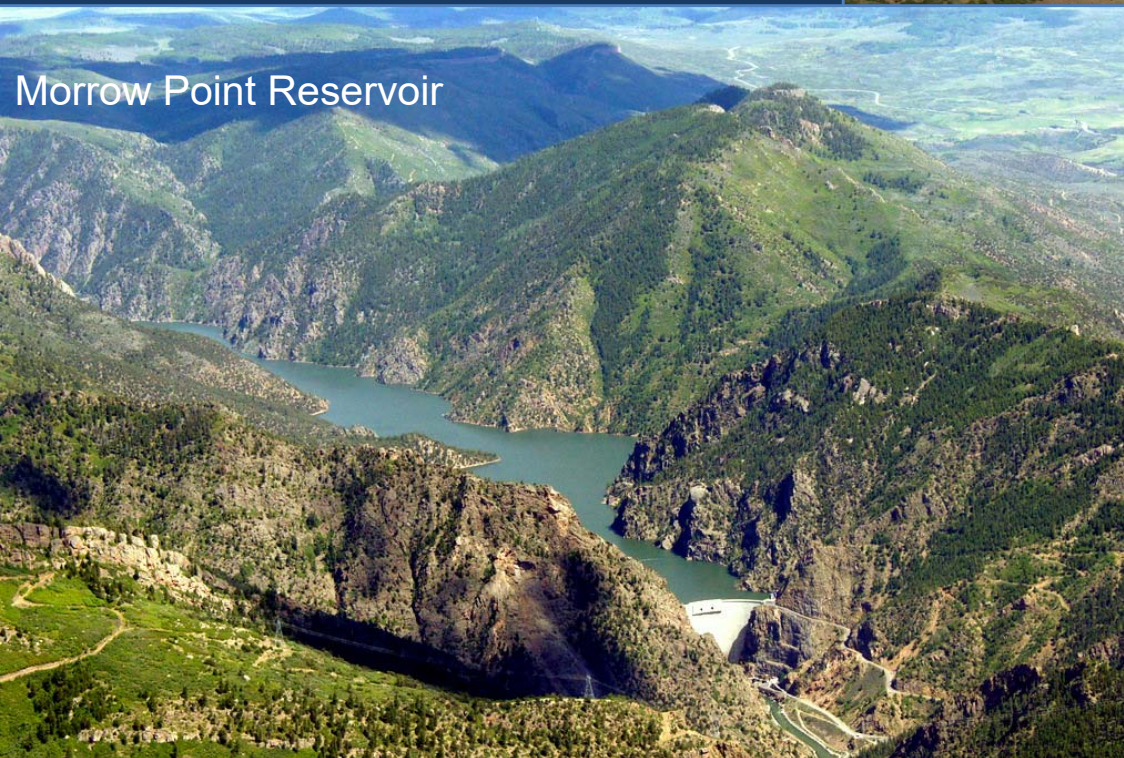
THE ASPINALL UNIT

- *Blue Mesa Dam*
- *Morrow Point Dam*
- *Crystal Dam*

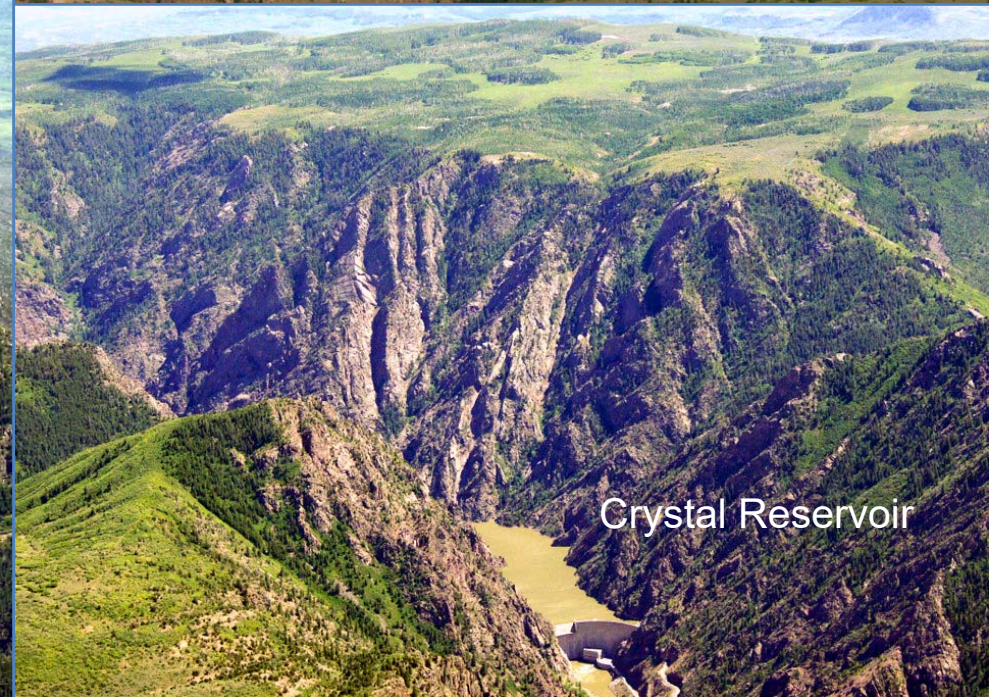
**Photos courtesy of
Dick Stenzel*



Blue Mesa Reservoir



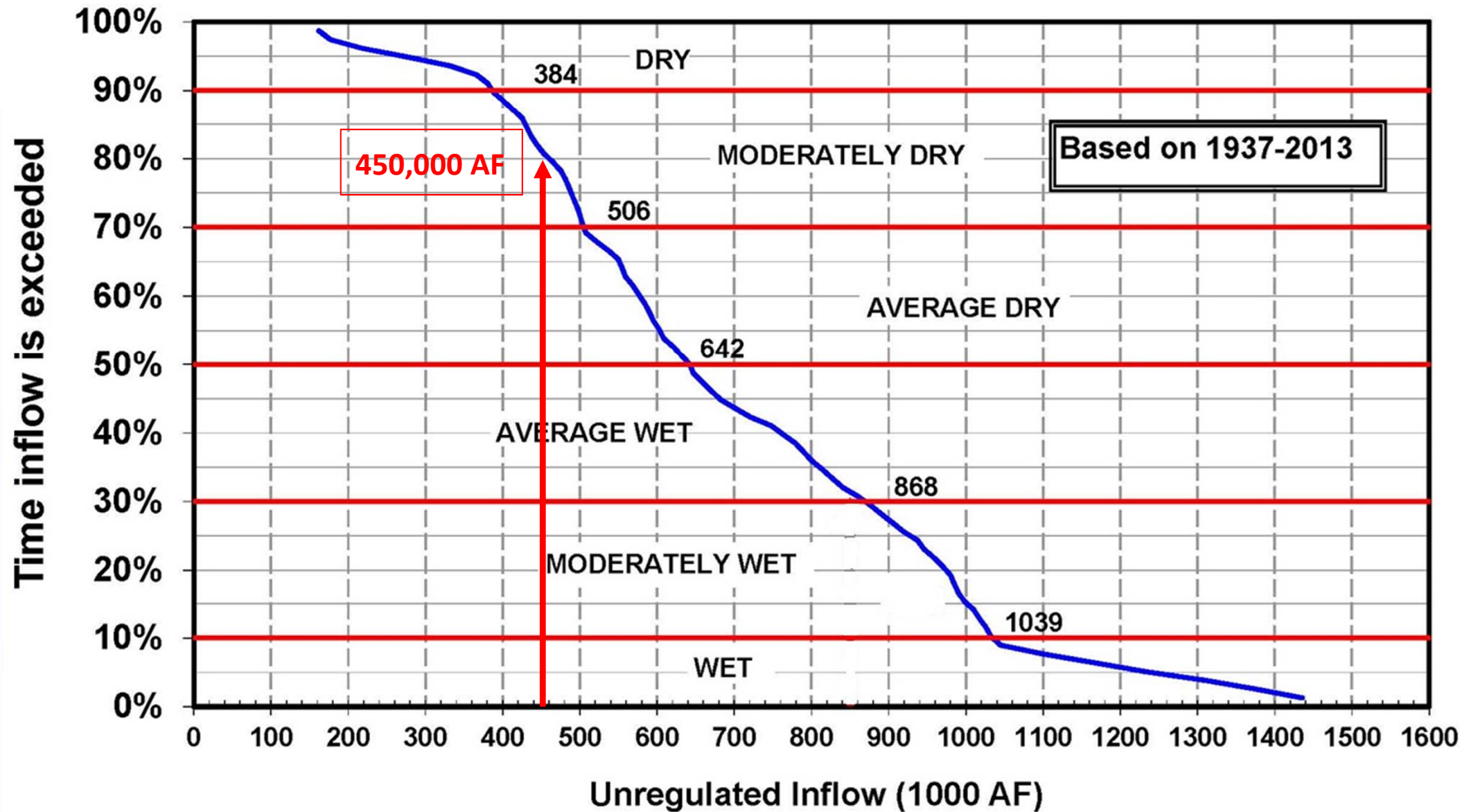
Morrow Point Reservoir



Crystal Reservoir

Blue Mesa Reservoir

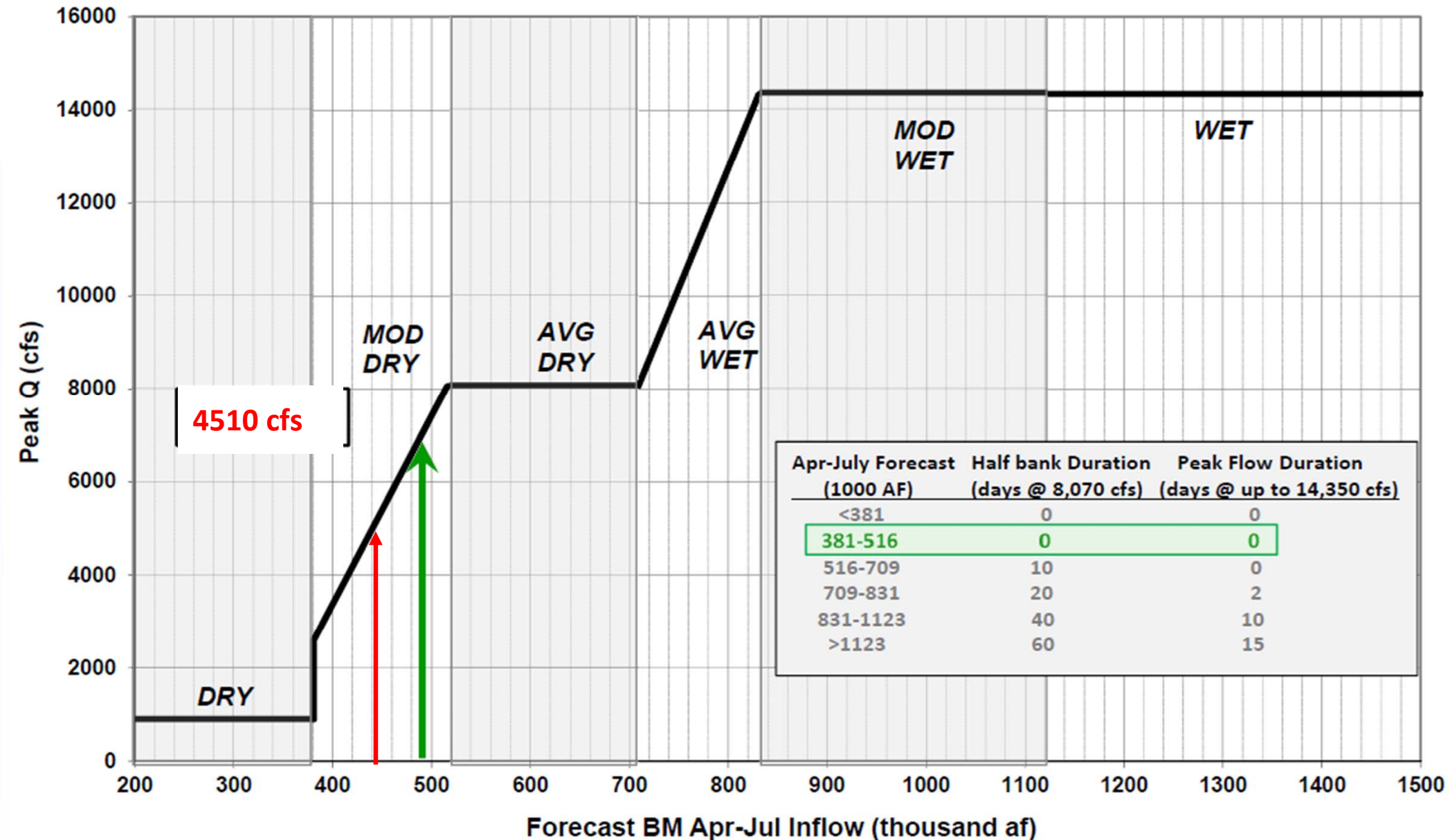
April - July Unregulated Inflow



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Lower Gunnison Target Flow Equation

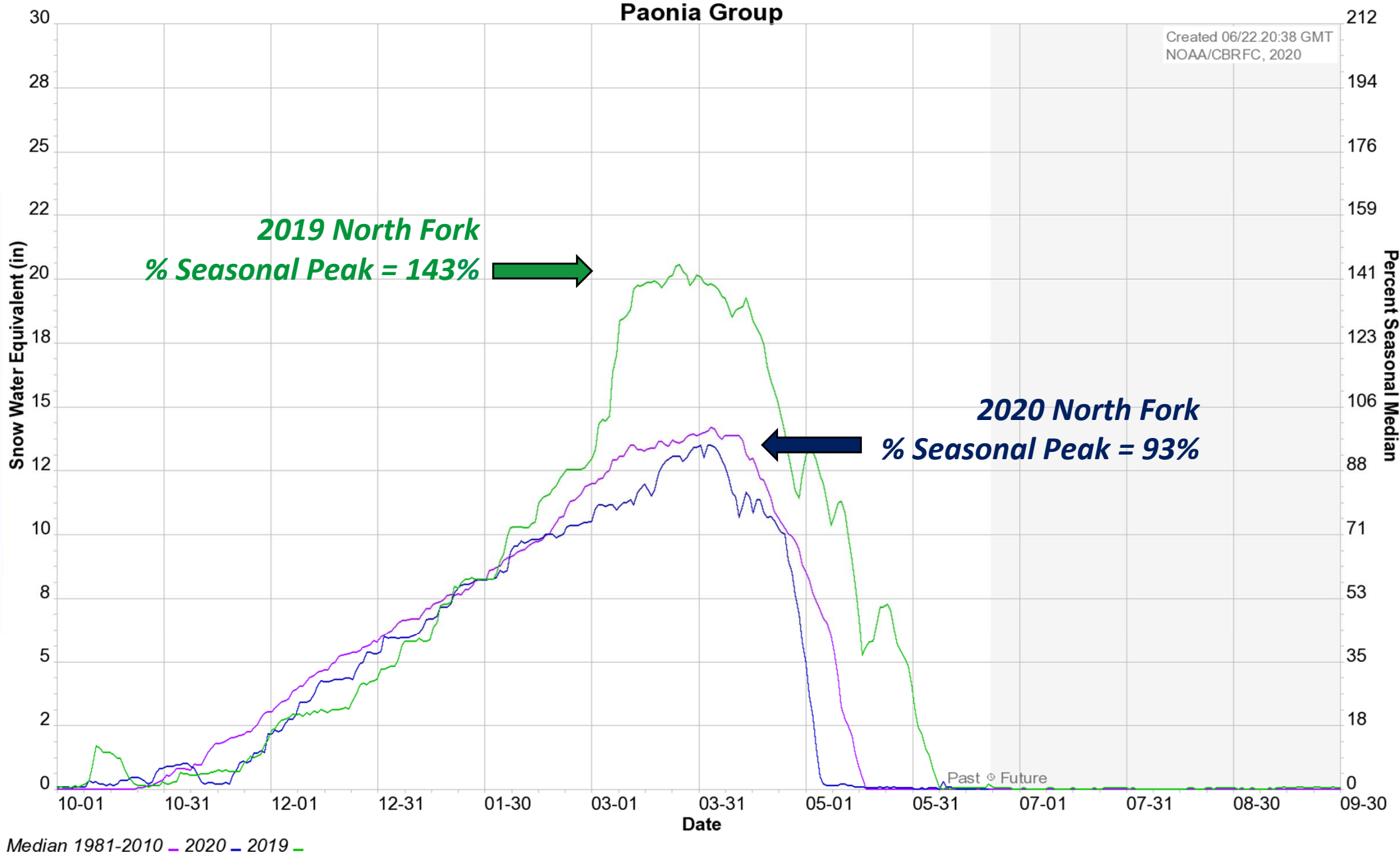
Peak Flow and Duration Day Targets at Whitewater



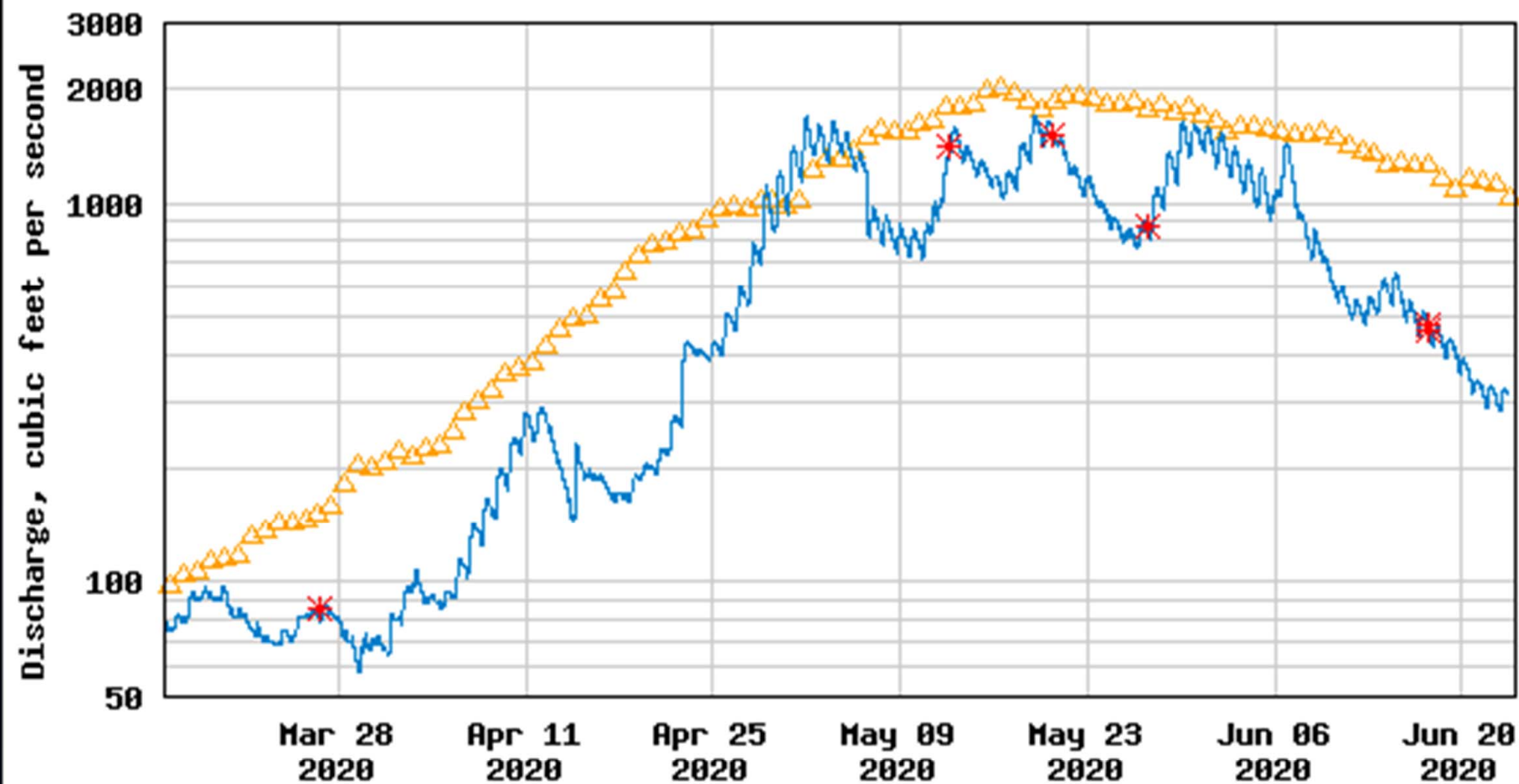
North Fork Water Supply

Colorado Basin River Forecast Center
Paonia Group

Created 06/22 20:38 GMT
NOAA/CBRFC, 2020



USGS 09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO.



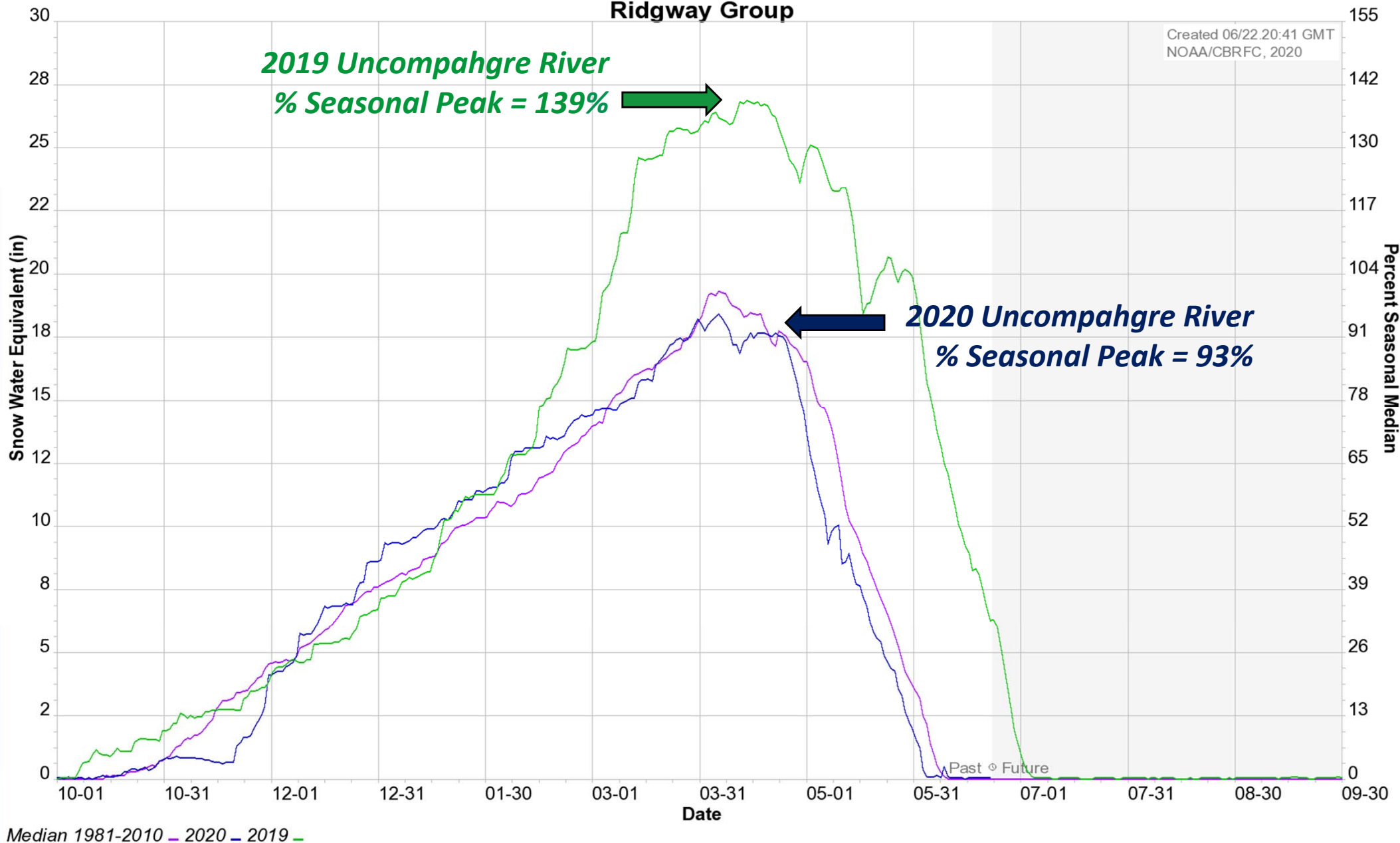
---- Provisional Data Subject to Revision ----

- △ Median daily statistic (86 years)
- * Measured discharge
- Discharge

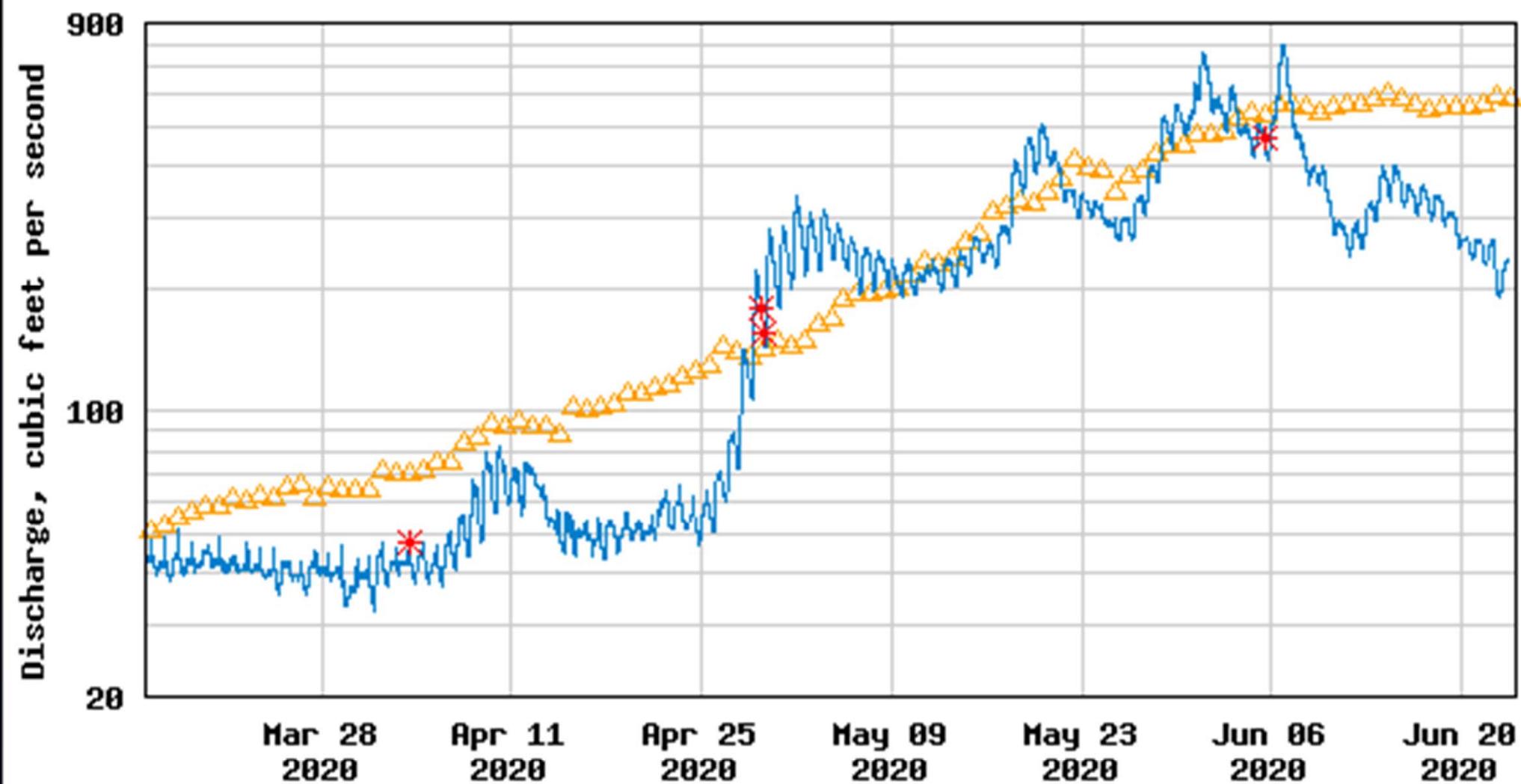
Uncompahgre River Water Supply

Colorado Basin River Forecast Center
Ridgway Group

Created 06/22.20:41 GMT
NOAA/CBRFC, 2020



USGS 09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO.



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

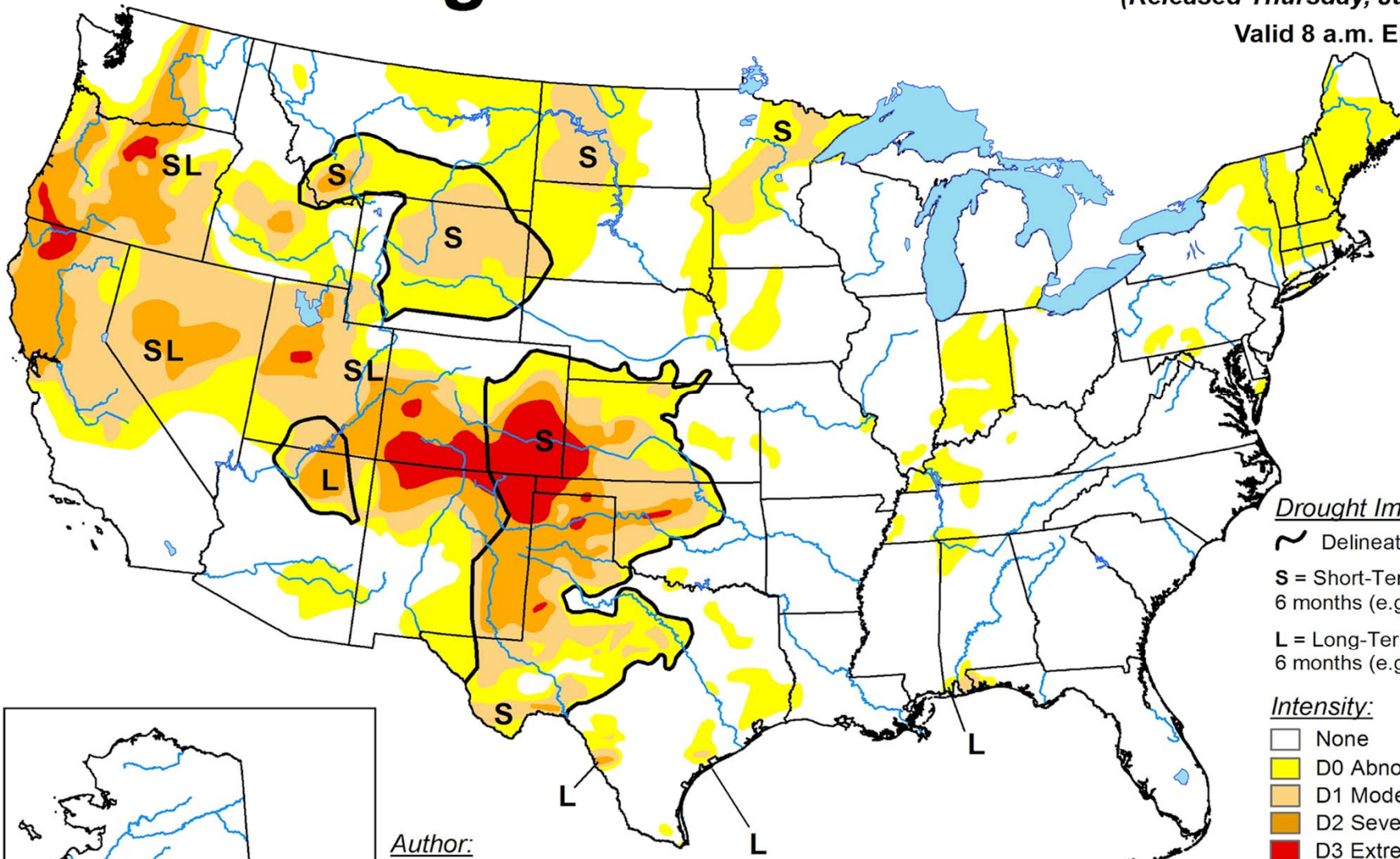
- △ Median daily statistic (61 years)
- * Measured discharge
- Discharge

U.S. Drought Monitor

June 16, 2020

(Released Thursday, Jun. 18, 2020)

Valid 8 a.m. EDT



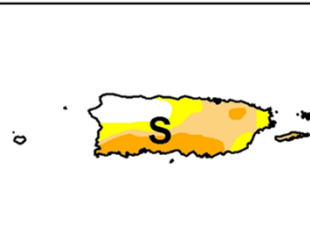
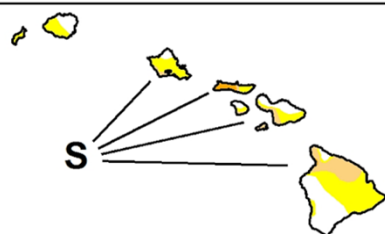
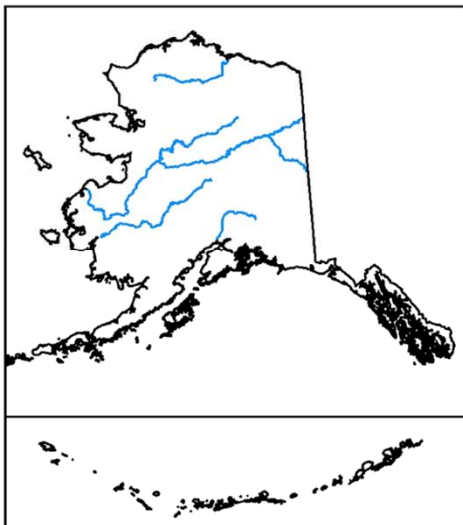
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

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

Author:
Richard Tinker
CPC/NOAA/NWS/NCEP

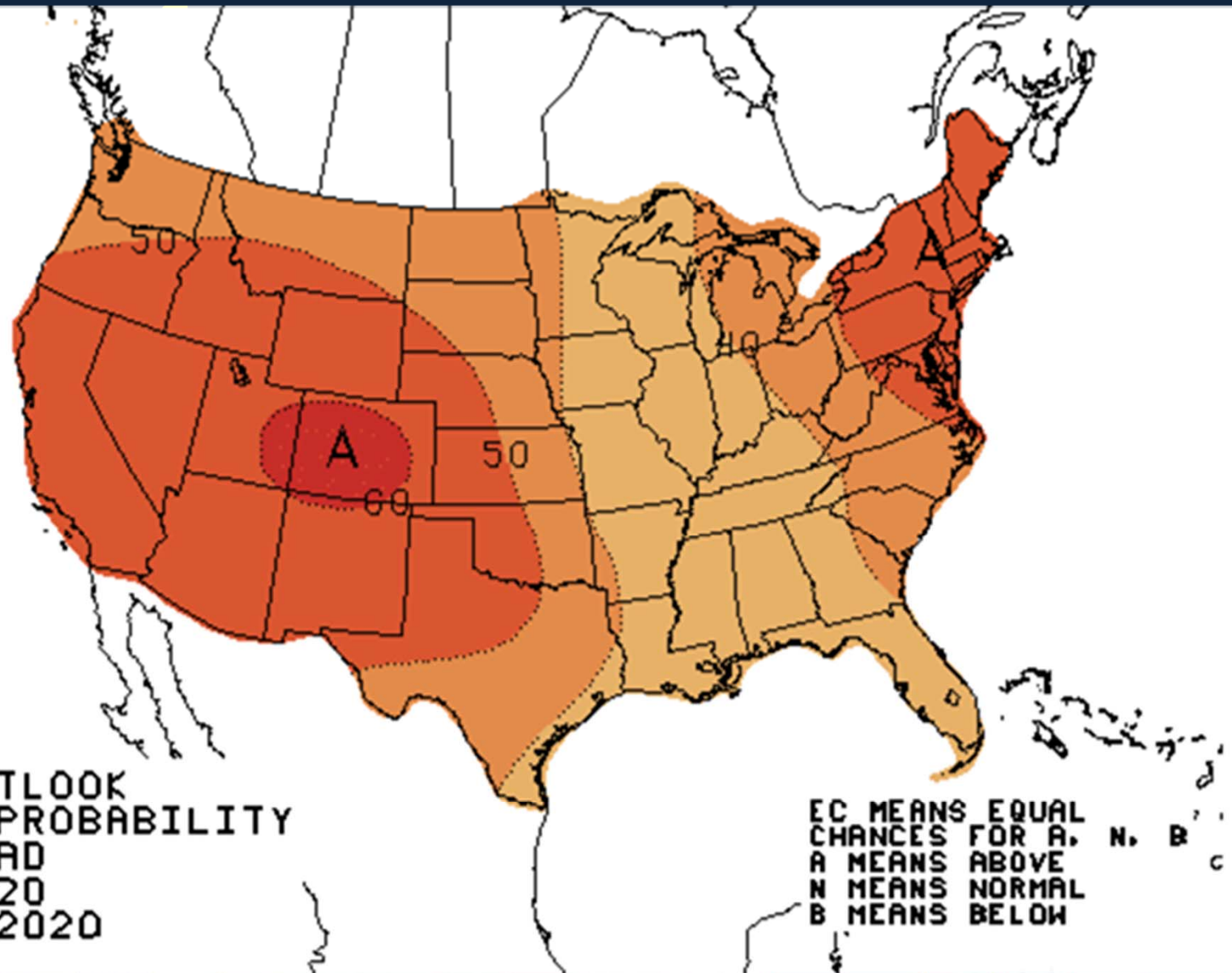


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



droughtmonitor.unl.edu

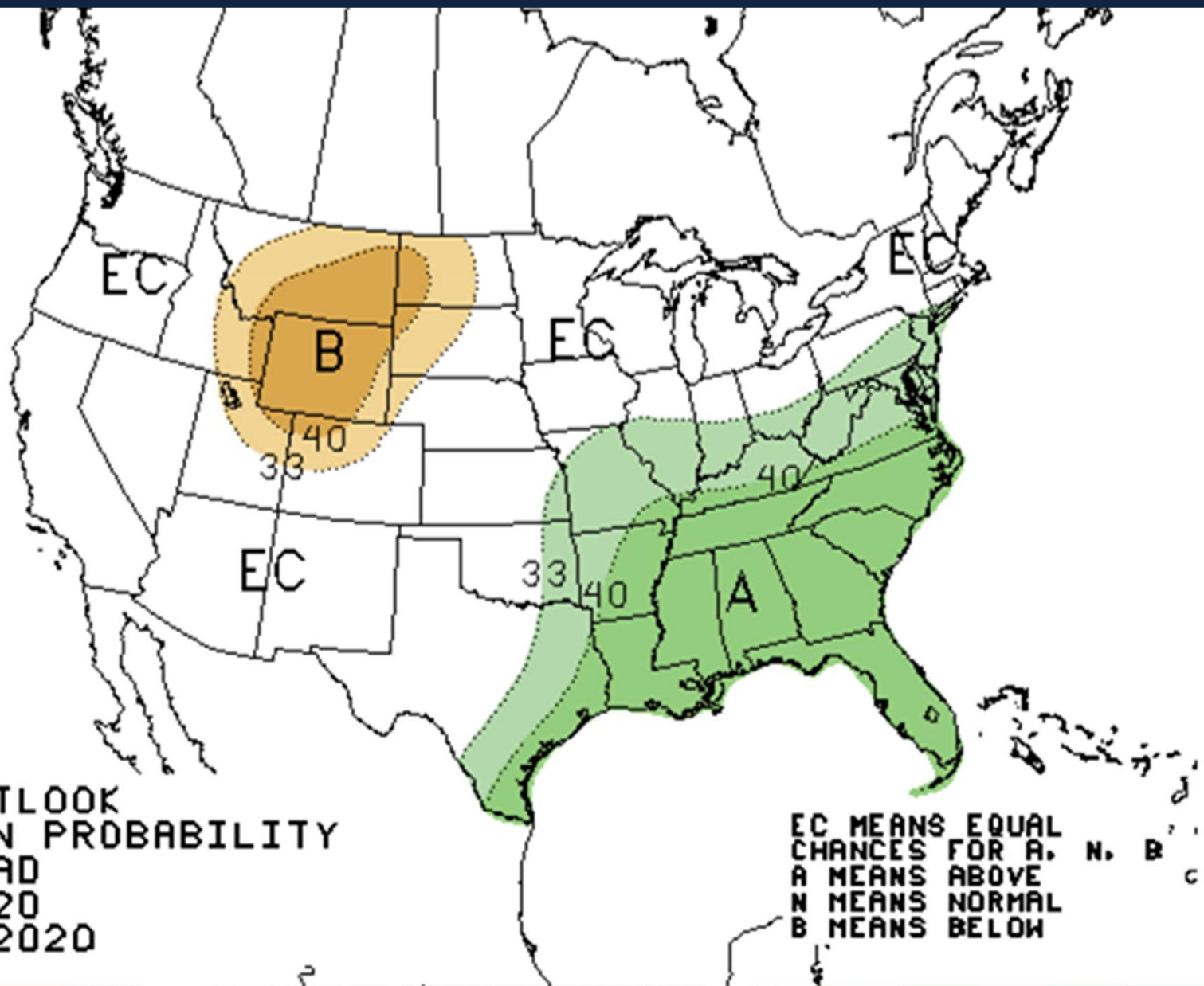
30-day Temp



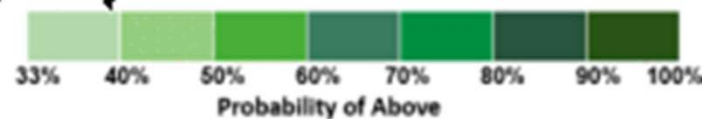
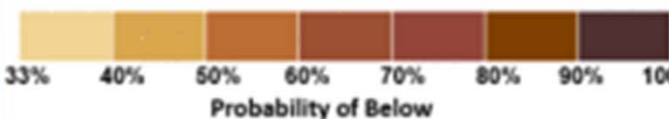
ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JUL 2020
MADE 18 JUN 2020



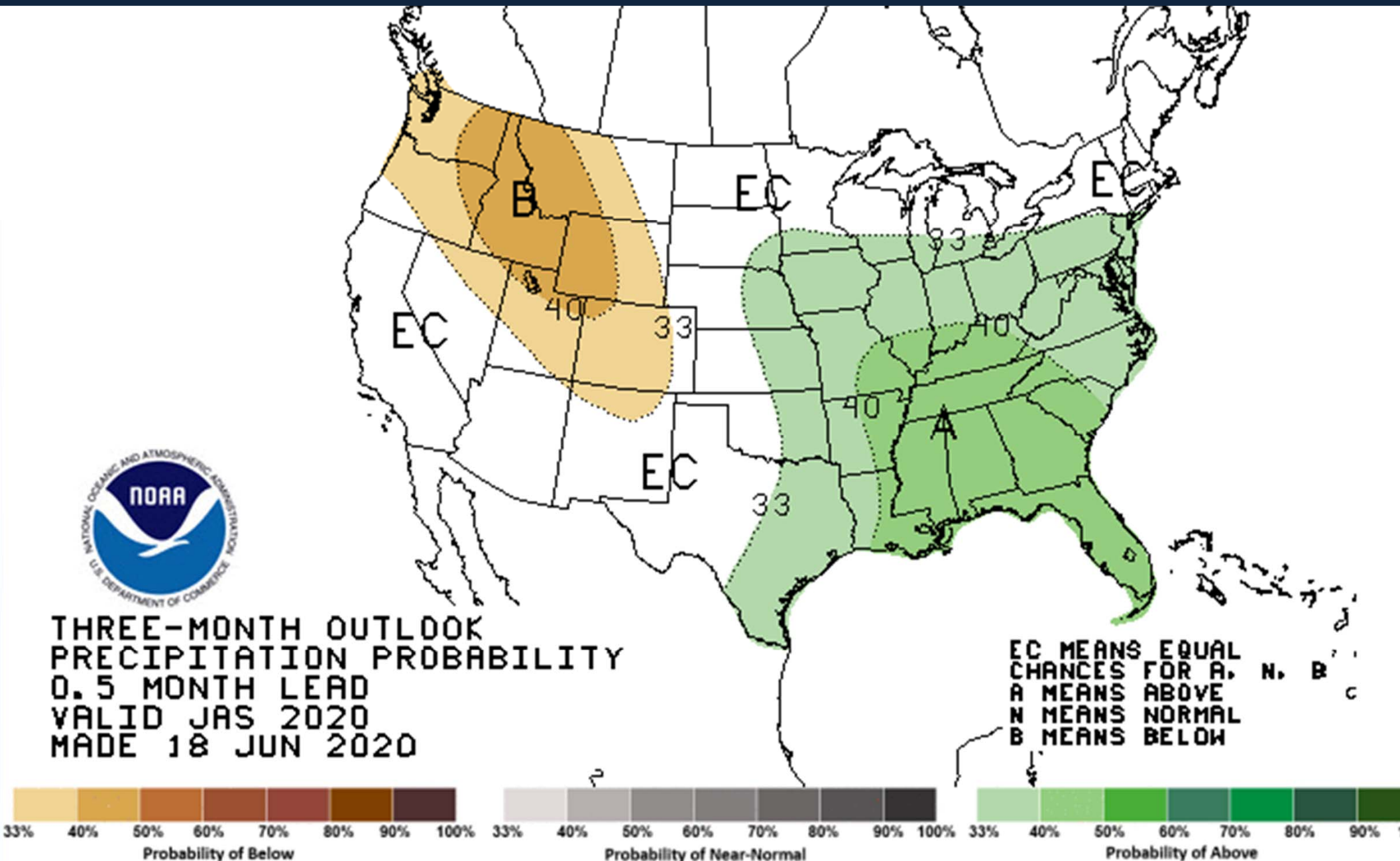
30-day Precip Forecast



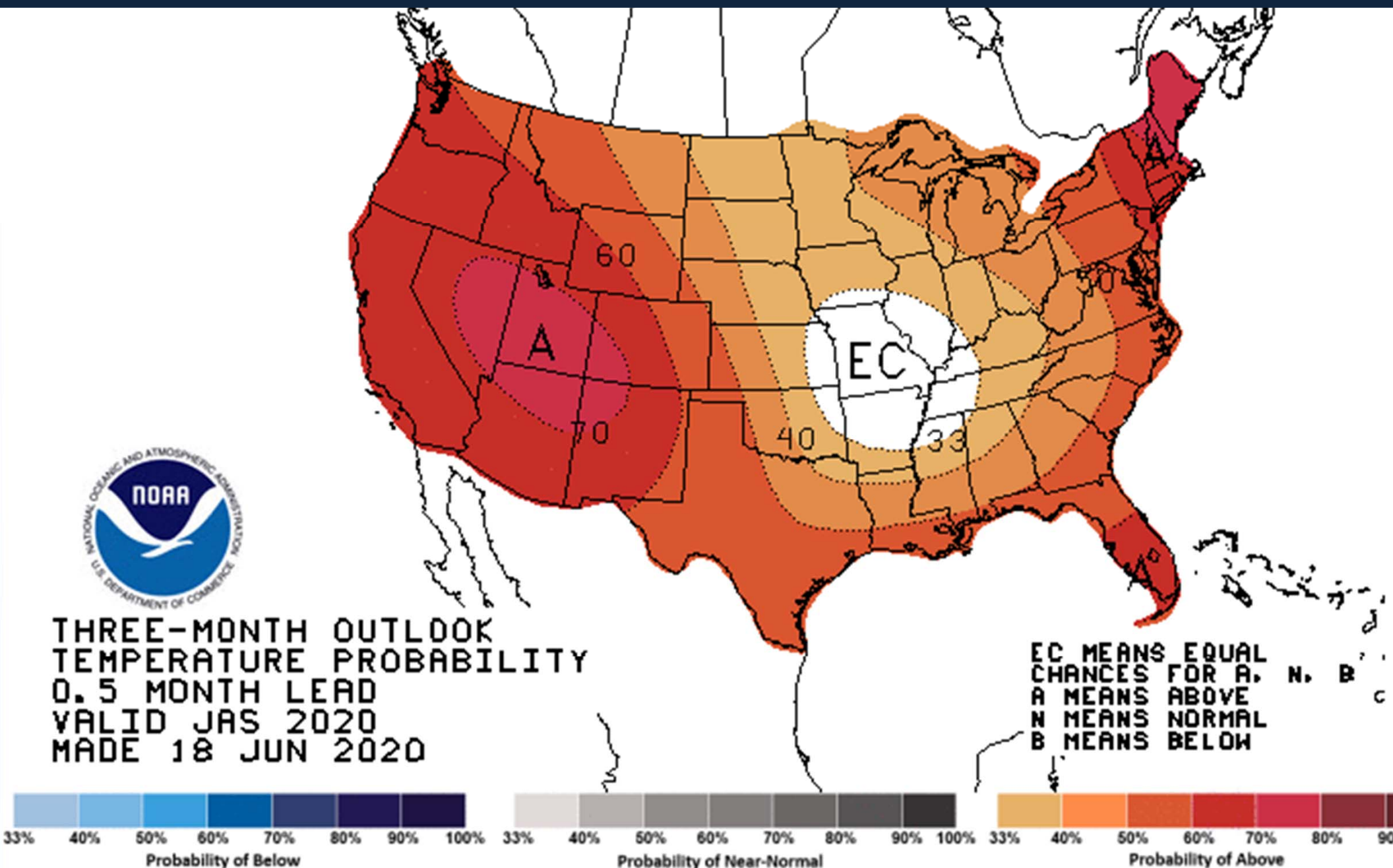
ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JUL 2020
MADE 18 JUN 2020



90-day Precip Forecast



90-day Temperature Forecast



Lake Powell Stats

- Lake Powell is 52.75% of Full Pool (24,322,000 af)
 - Full = 3700 ft elevation
 - Current = 3611.00 ft
 - Minimum Power Pool elevation = 3490 ft (currently 121 ft above)
- Inflow at this time is running 30% of the June 22nd average