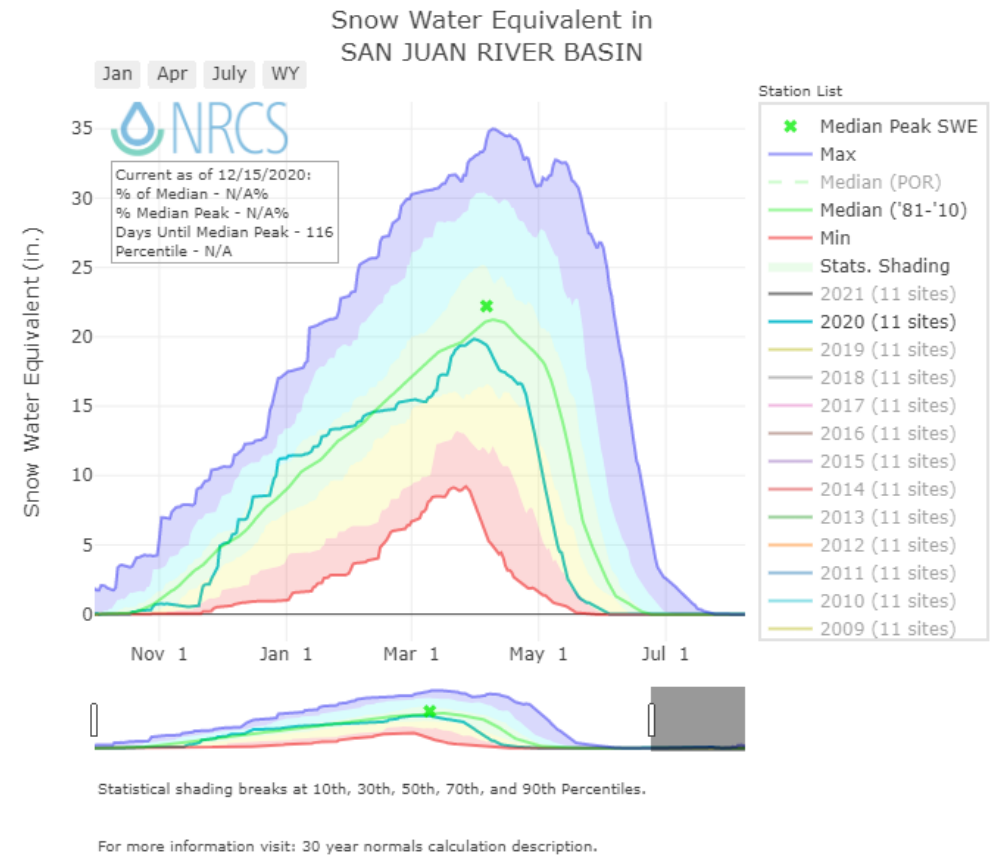
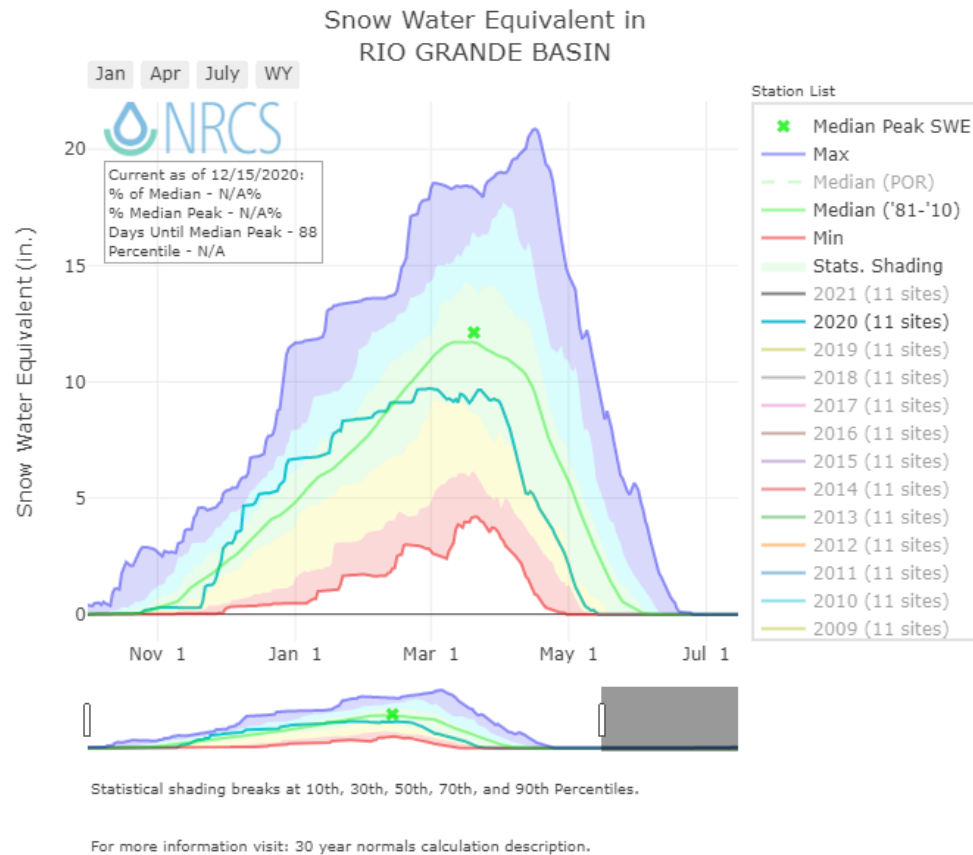


2020 Hydrologic Highlights

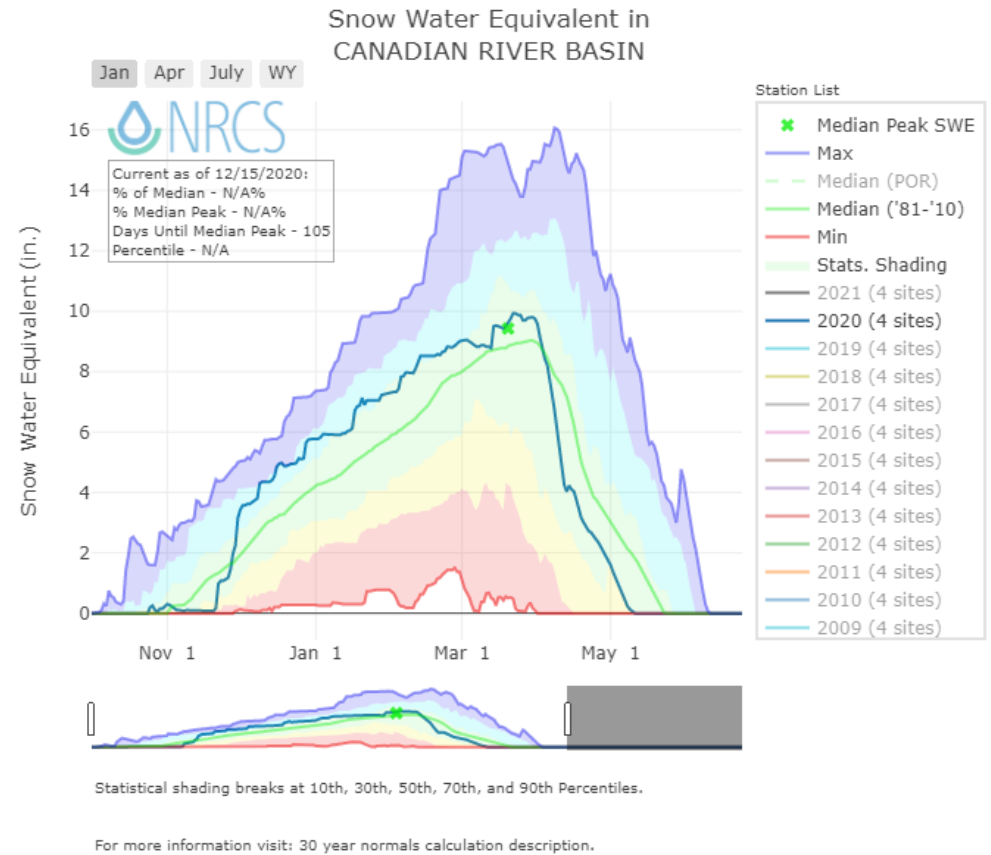
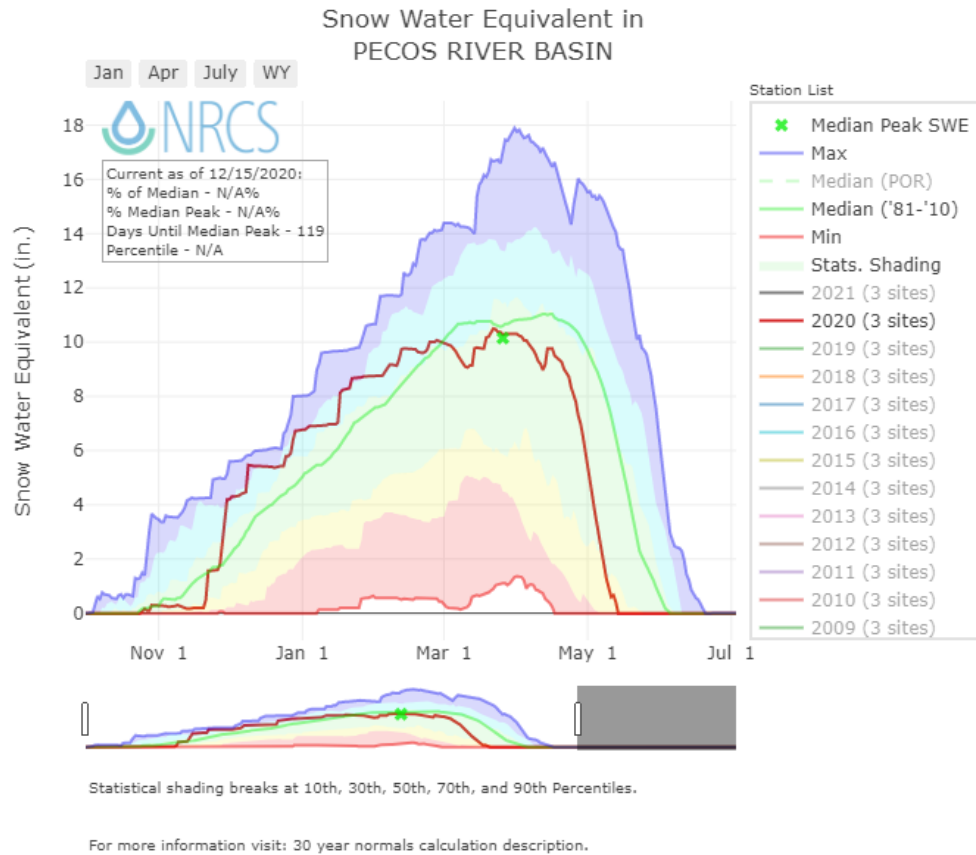
WY 2019-2020 Snowpack

- Snowpack across most major basins was near or below normal for the 2019-2020 Water Year
- Snow water equivalent (SWE) dropped rapidly and early (which has been the trend in recent years)

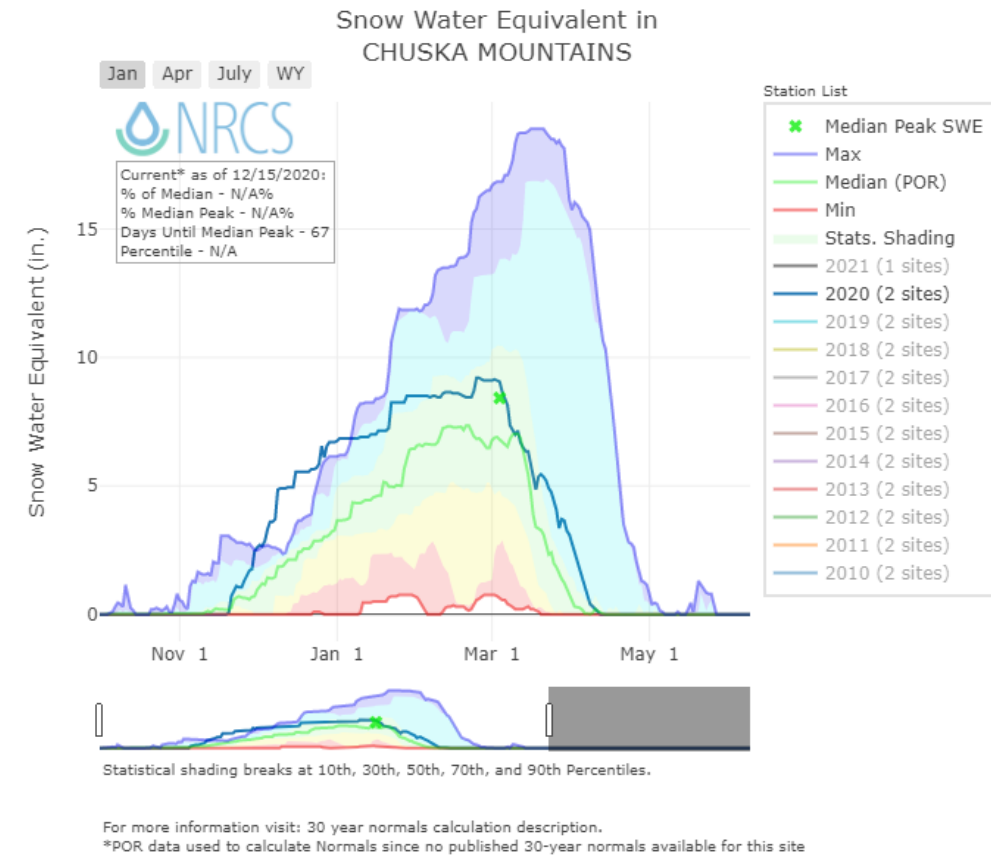
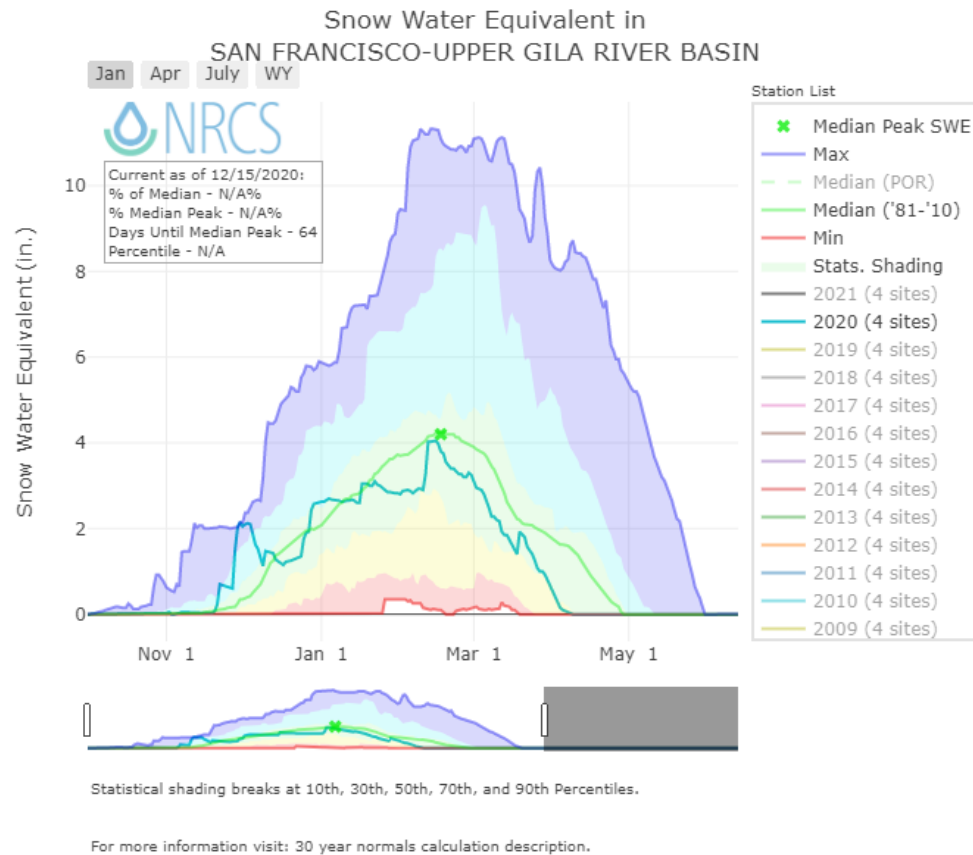
WY 2019-2020 Snowpack



WY 2019-2020 Snowpack



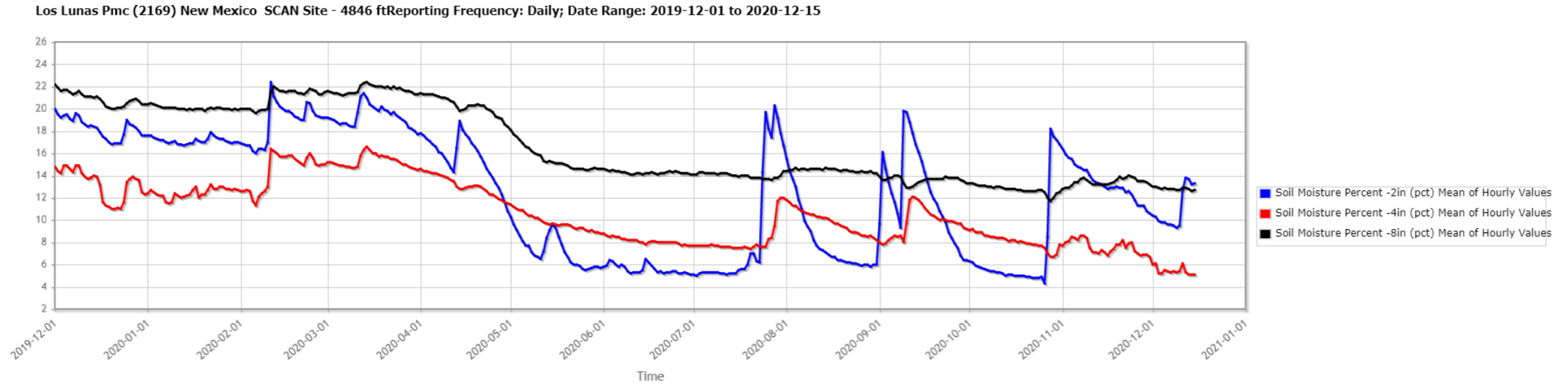
WY 2019-2020 Snowpack



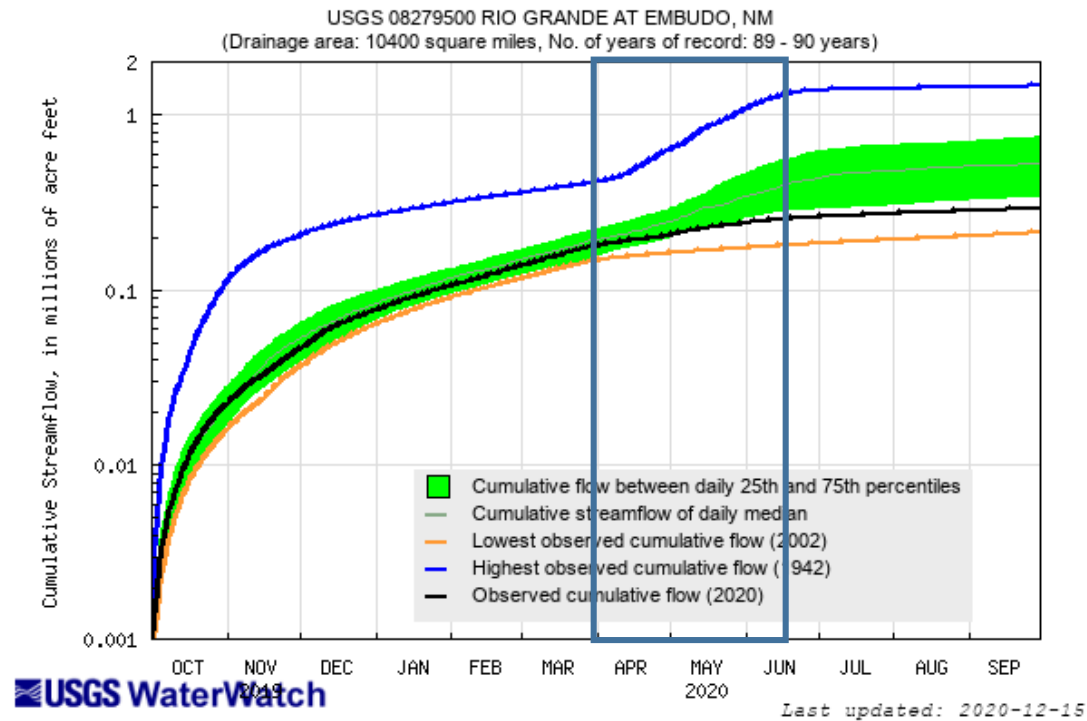
Spring Runoff 2020

- Although most basins had normal to somewhat below normal snowpack, runoff was well below normal
- Main challenge was the dry soils due to the below normal 2019 Monsoon
- Runoff started a bit early (which has been the trend), but the streamflow peaked early then fell off during the time for many basins it would still be increasing

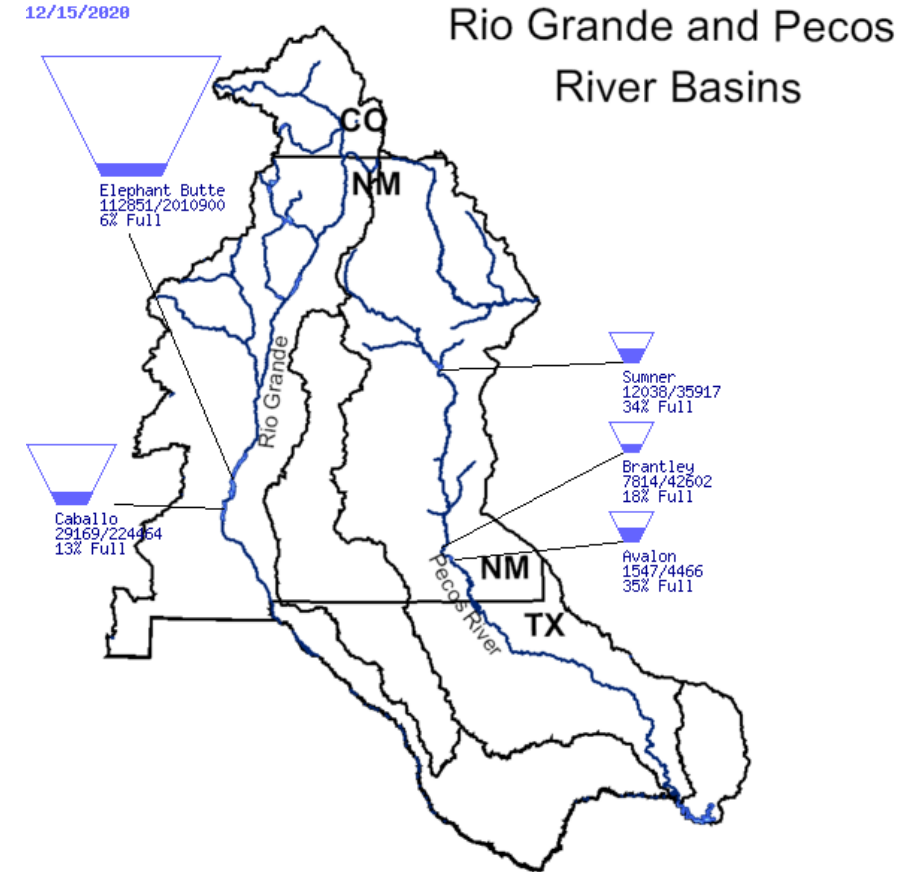
Spring Runoff 2020



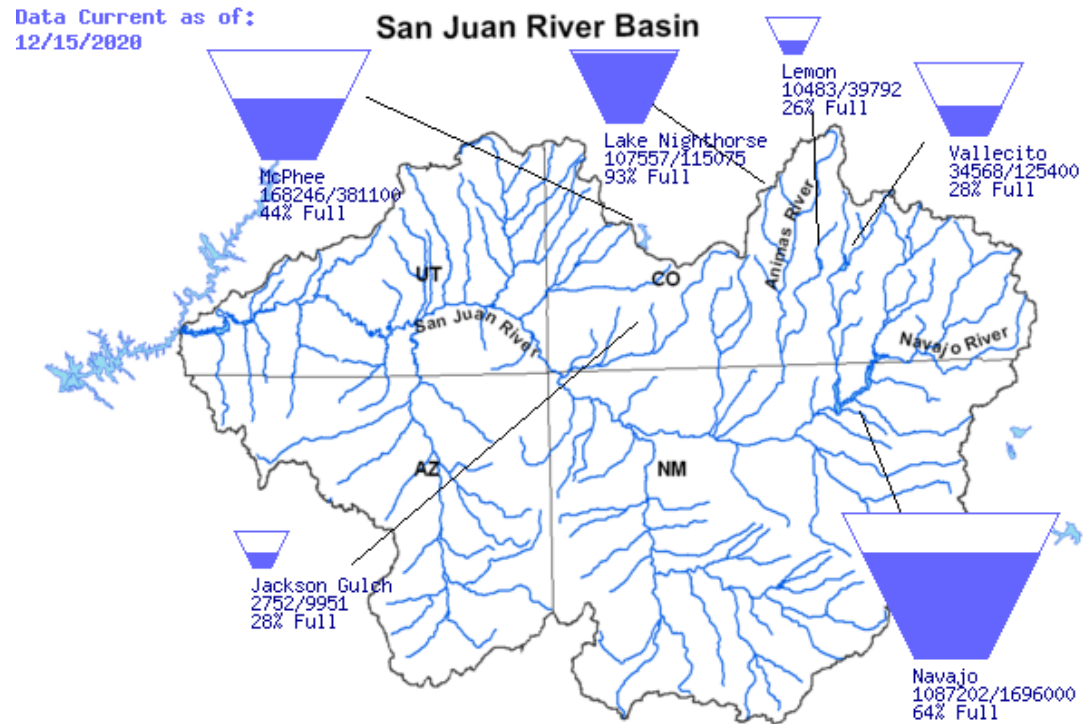
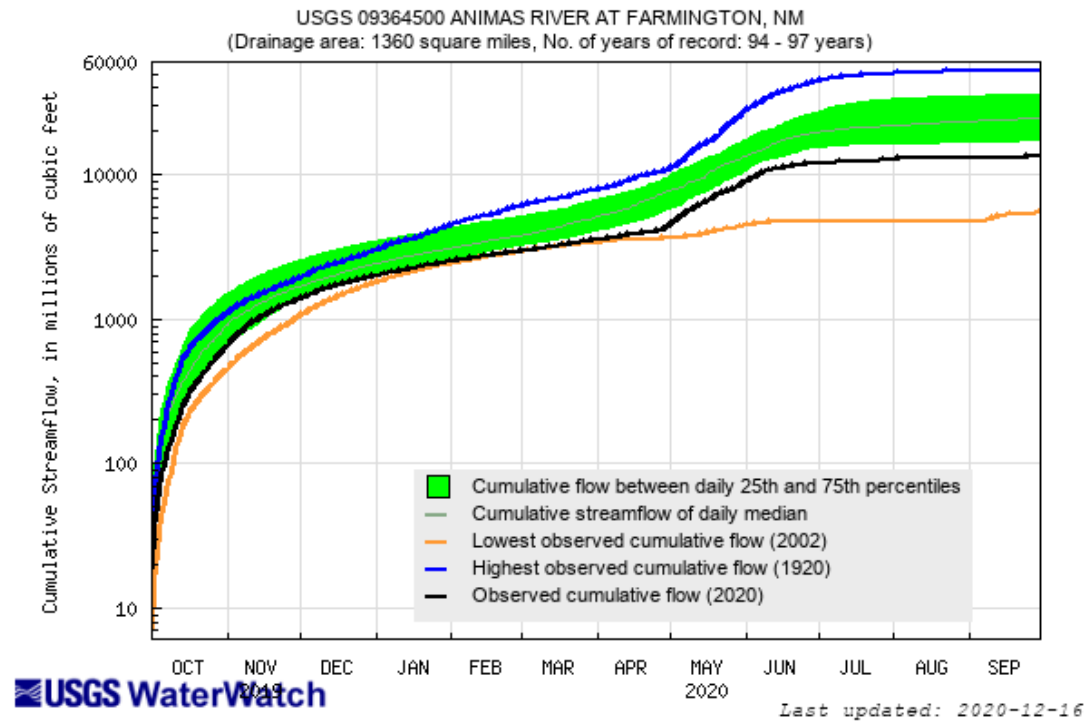
Spring Runoff 2020



Data Current as of:
12/15/2020



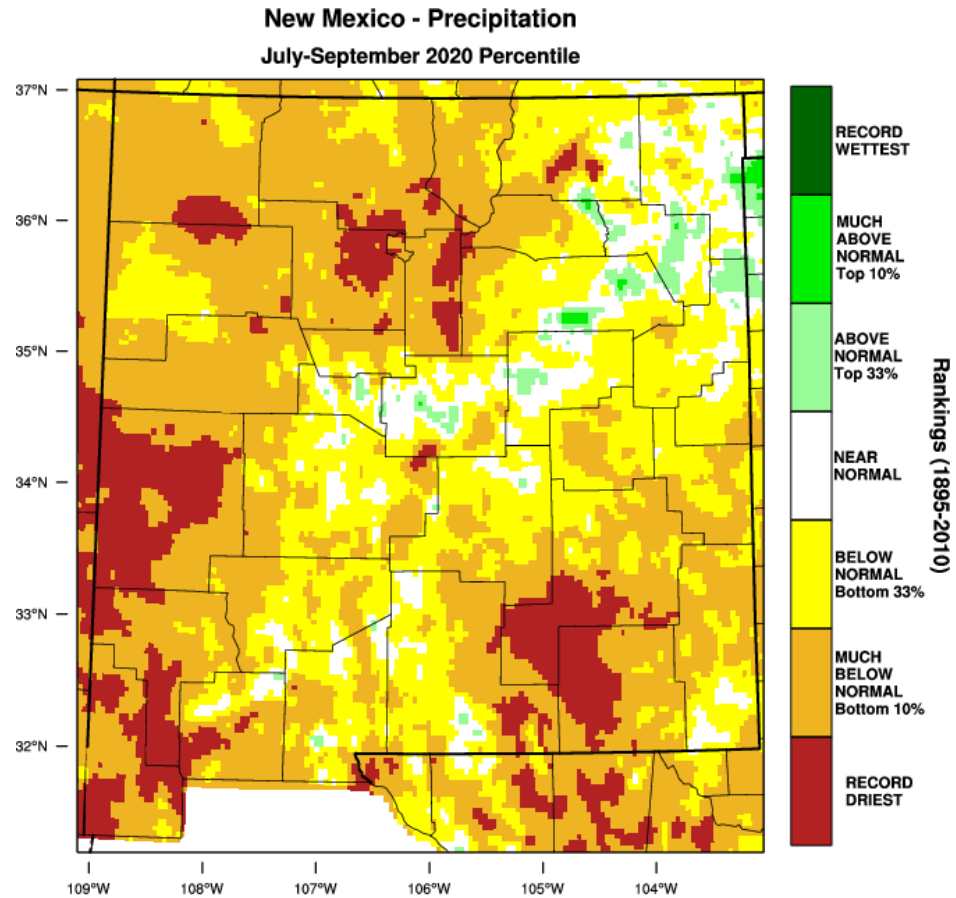
Spring Runoff 2020



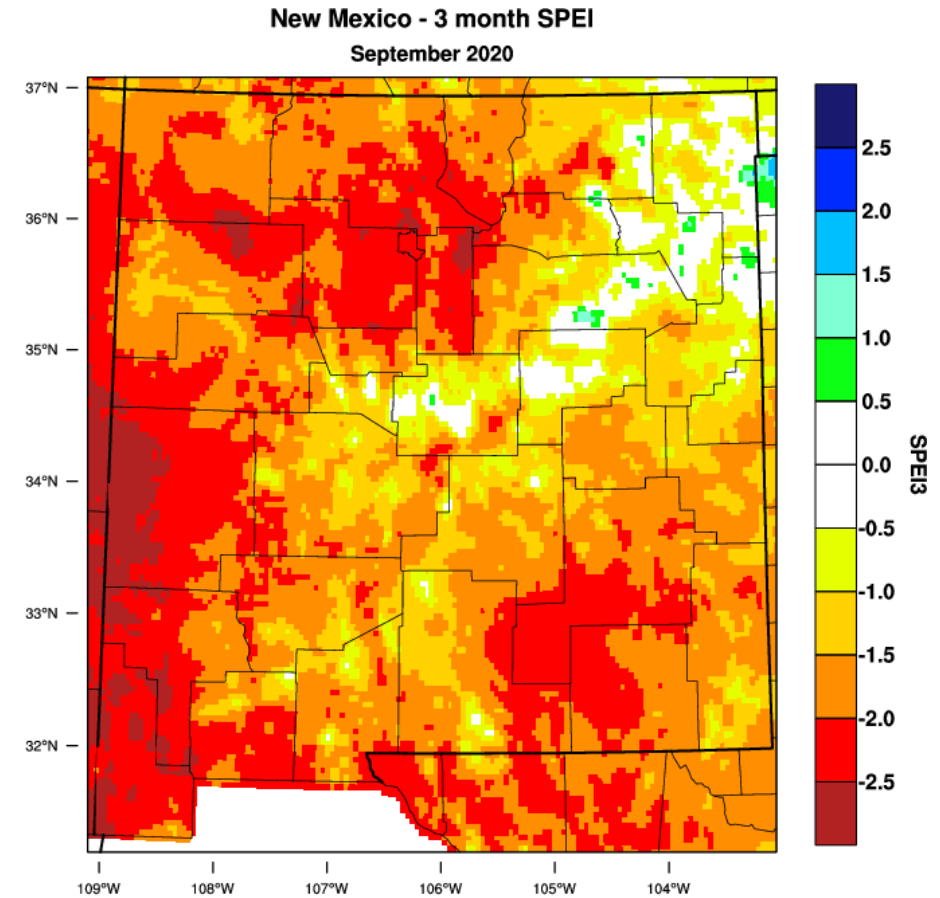
Monsoon 2020

- Second well-below normal monsoon in a row for the area
- While important for most of the state for growing seasons, a robust monsoon is important for:
 - Soil and ground water recharge
 - Reservoir storage (some reservoirs, Pecos/Canadian)
- Maintaining soil moisture is important for mountain areas after the runoff to make effective use of the runoff for the next season

Monsoon 2020

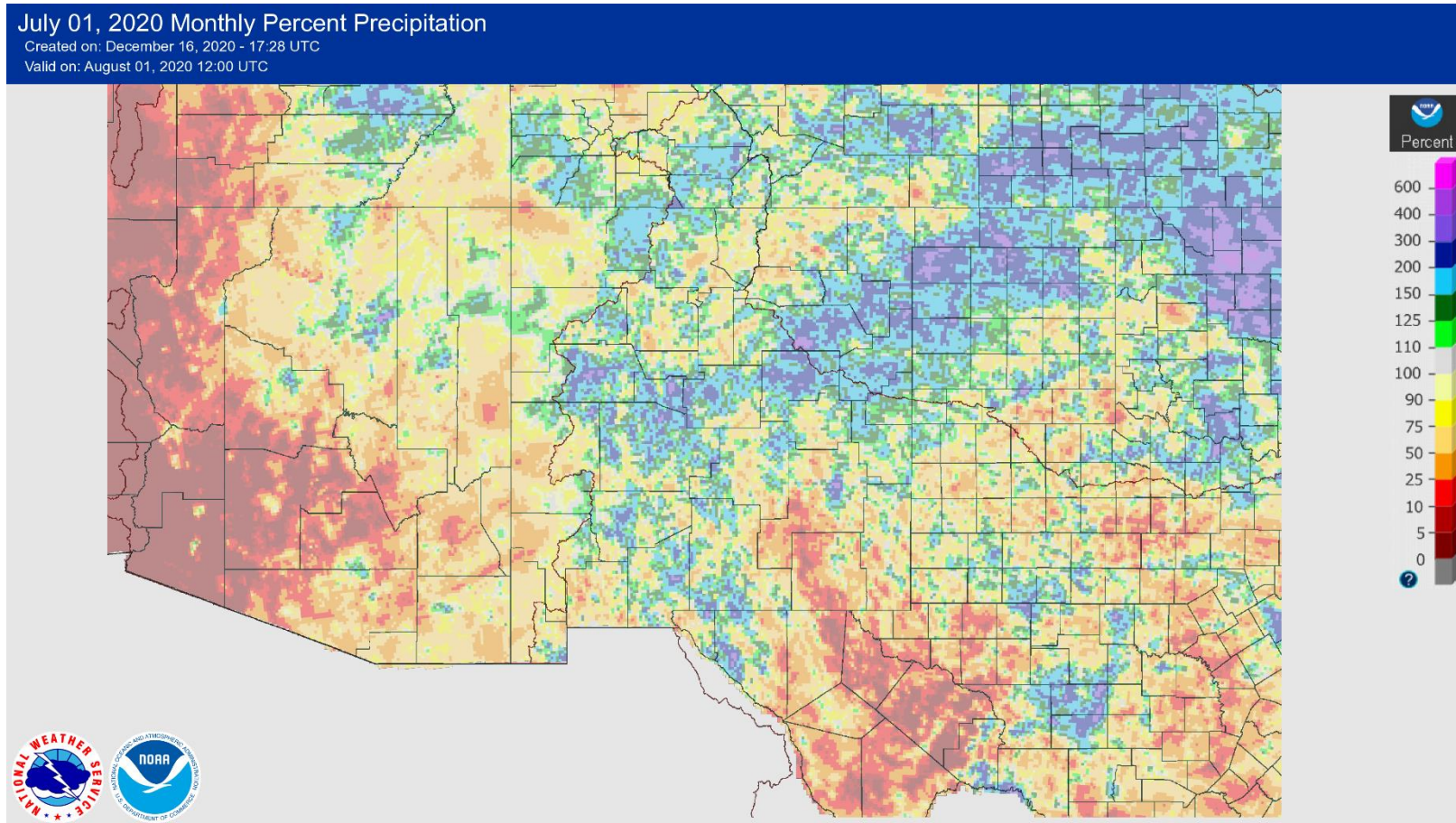


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2020

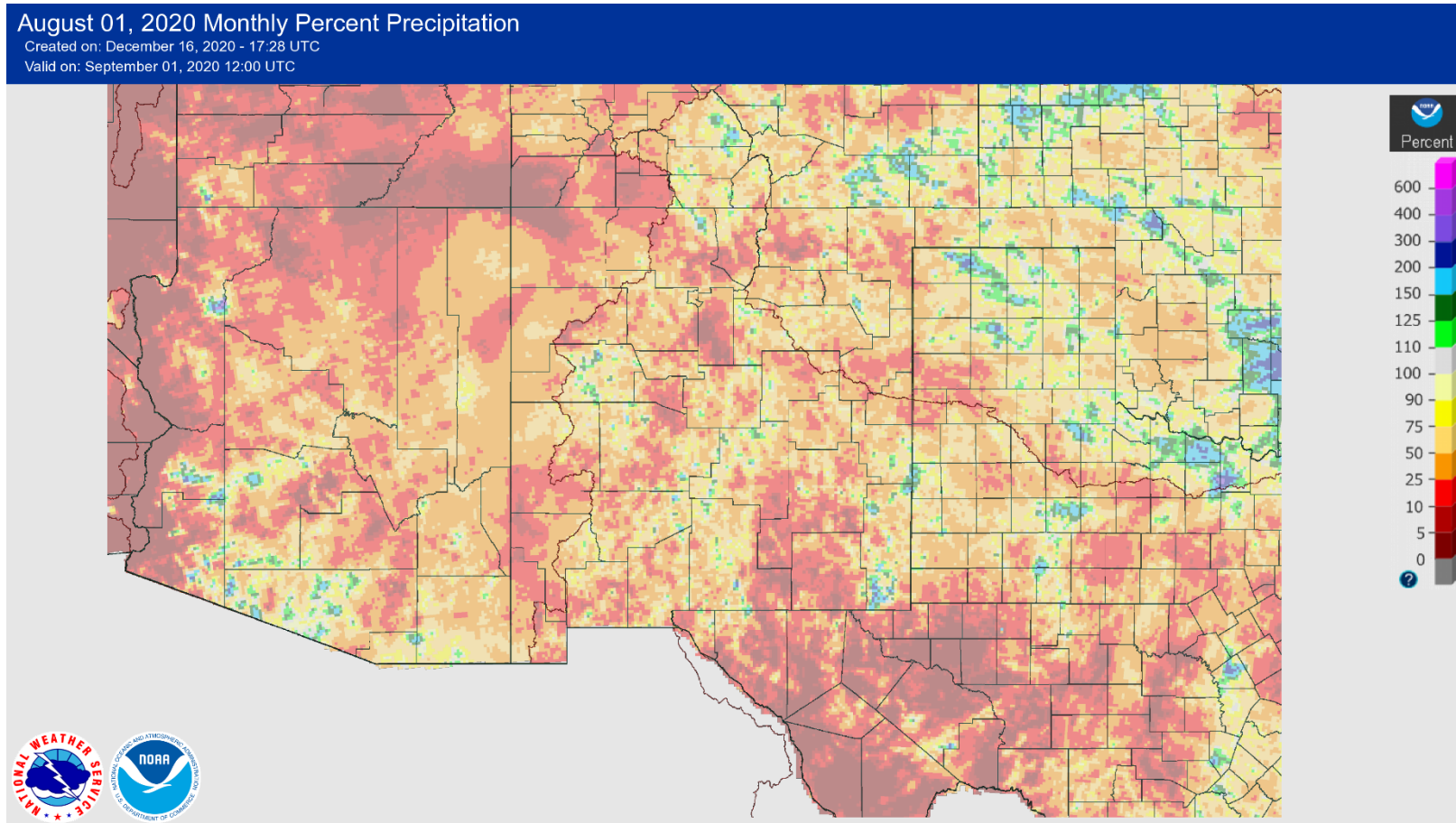


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 16 OCT 2020

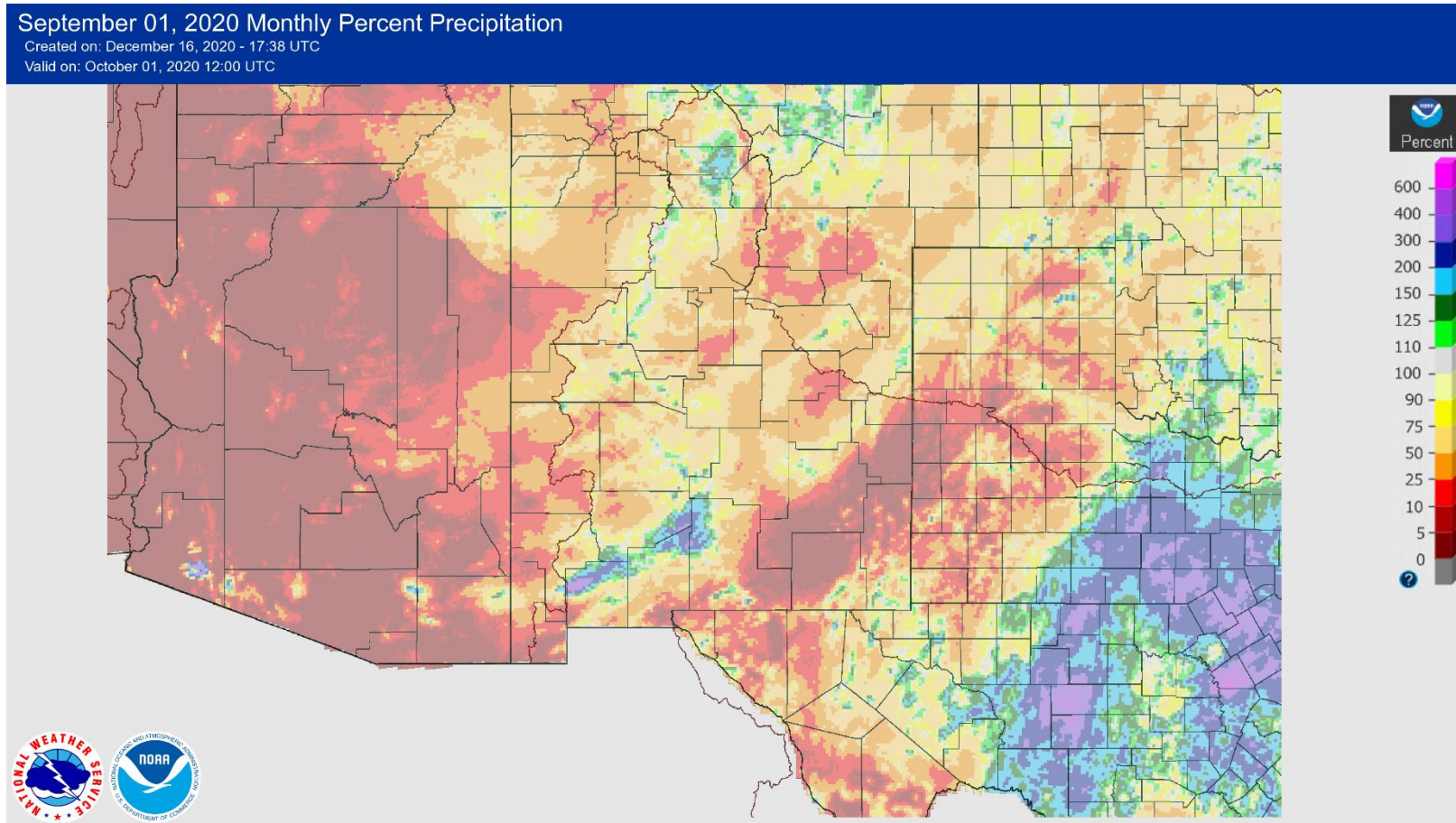
Monsoon 2020



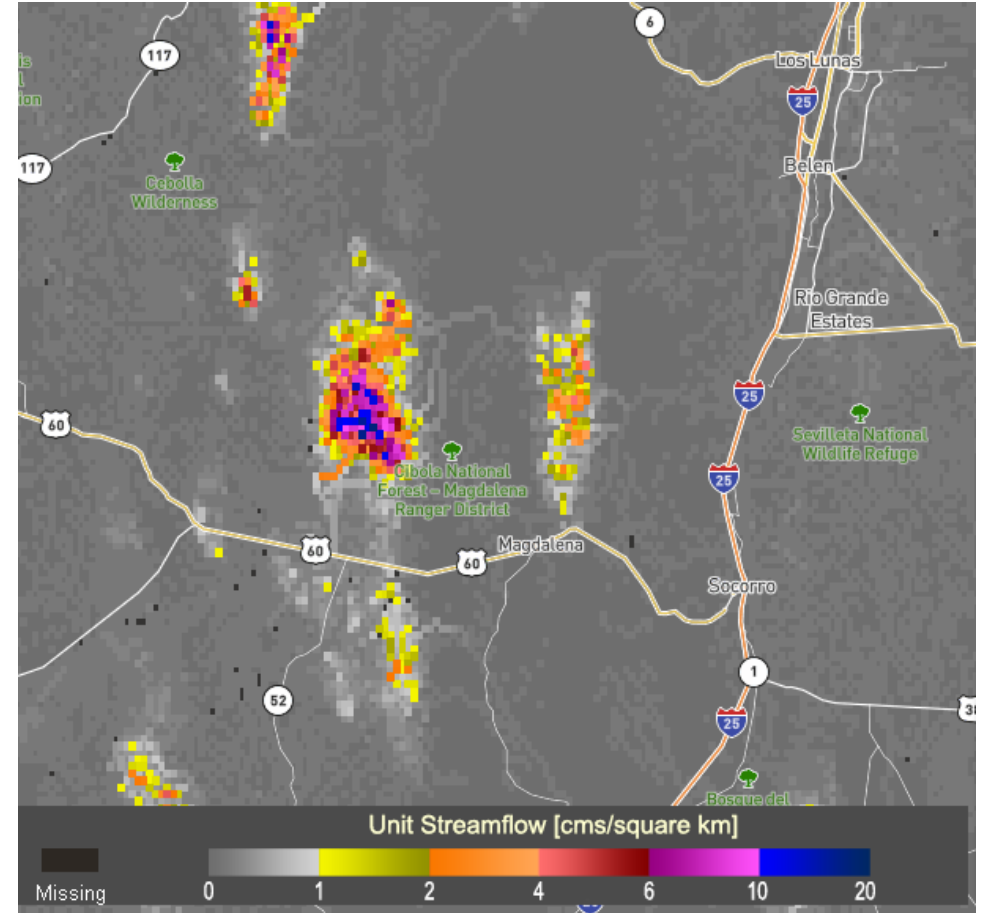
Monsoon 2020



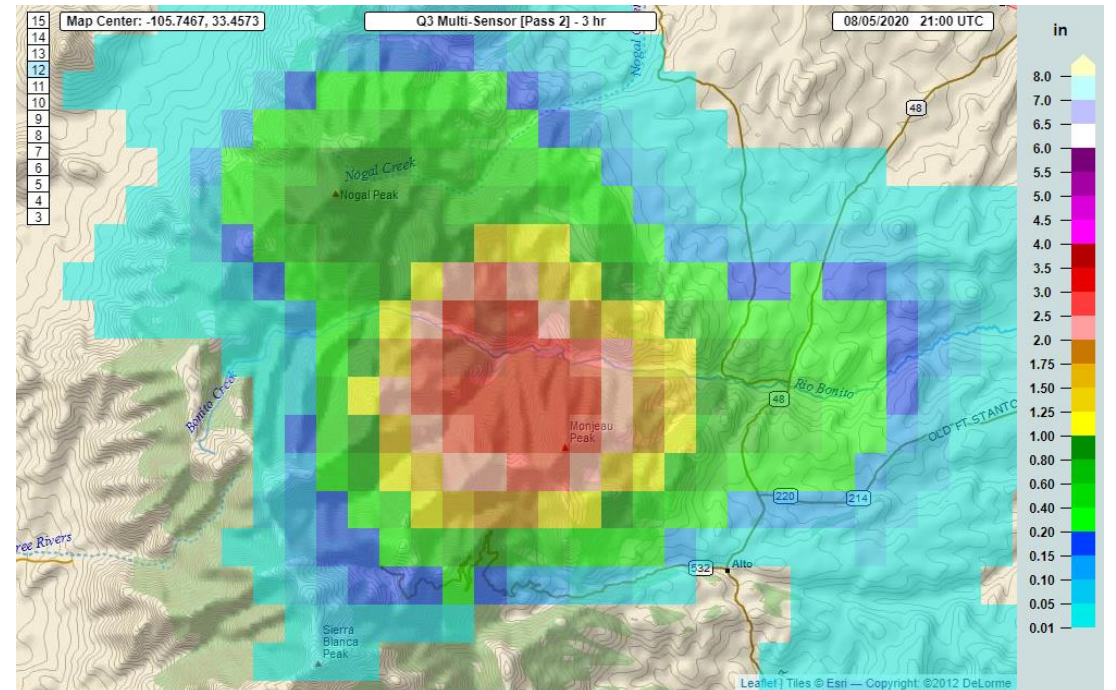
Monsoon 2020



Socorro Flooding



Little Bear Returns

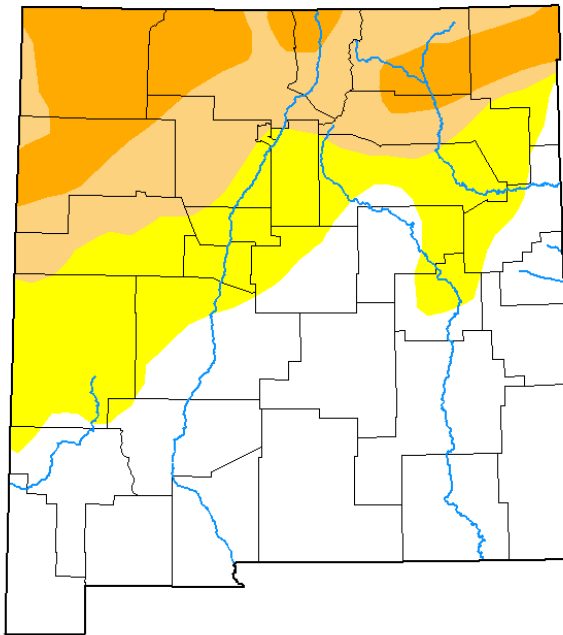


Drought

- NM has been in a slow decline over the last 12-18 months
- 2019 runoff was excellent, however monsoon was poor
- Gains made after the 2019 runoff were slowly lost over the monsoon season and fall 2019 as soil moisture was not replenished
- Below normal SM contributed to a poor runoff and led to significant stress on native forage and vegetation
- Above normal evapotranspiration added stress to the system

Drought

U.S. Drought Monitor New Mexico



January 7, 2020
(Released Thursday, Jan. 9, 2020)
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	50.16	49.84	28.31	12.75	0.00	0.00
Last Week 12-31-2019	52.86	47.14	28.33	15.26	0.00	0.00
3 Months Ago 10-08-2019	60.03	39.97	18.07	7.58	0.00	0.00
Start of Calendar Year 12-01-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 10-01-2019	37.27	62.73	29.82	6.81	0.00	0.00
One Year Ago 01-08-2019	39.57	60.43	44.65	33.28	19.67	14.17

Intensity:

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

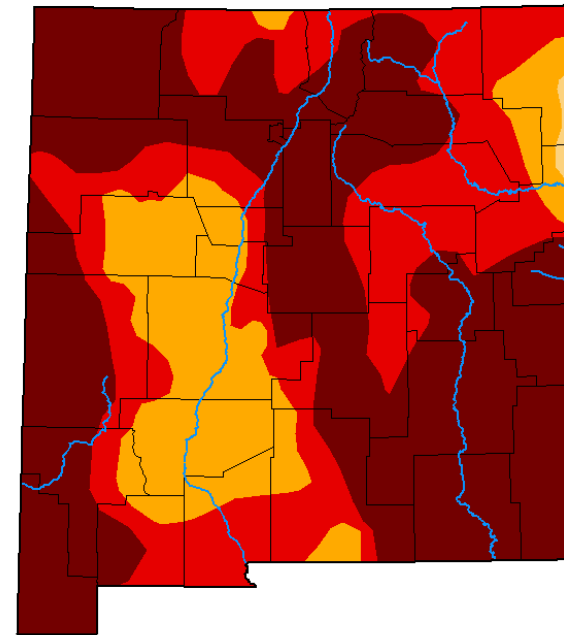
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



December 8, 2020
(Released Thursday, Dec. 10, 2020)
Valid 7 a.m. EST

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	99.59	82.26	53.27
Last Week 12-01-2020	0.00	100.00	100.00	99.59	82.26	53.27
3 Months Ago 09-08-2020	0.04	99.96	99.79	66.54	32.39	0.00
Start of Calendar Year 12-01-2019	52.86	47.14	28.33	15.26	0.00	0.00
Start of Water Year 09-28-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 12-10-2019	52.86	47.14	28.33	15.62	0.00	0.00

Intensity:

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

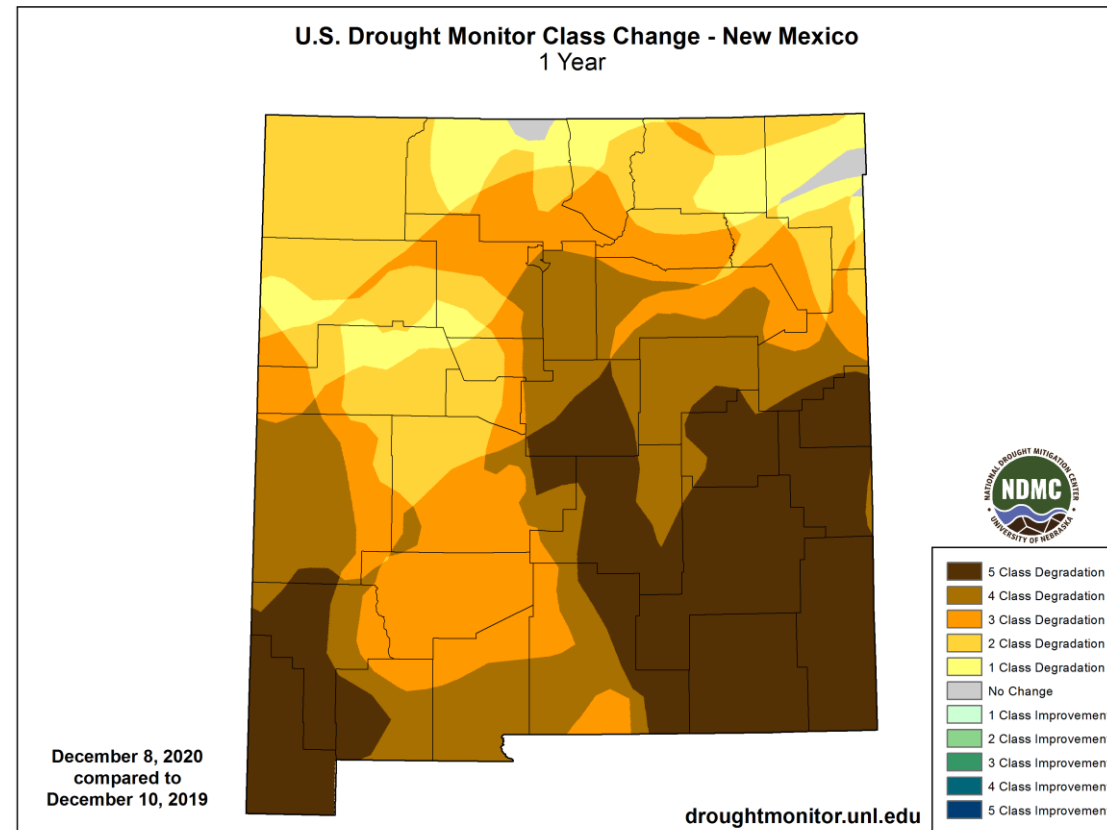
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Western Regional Climate Center



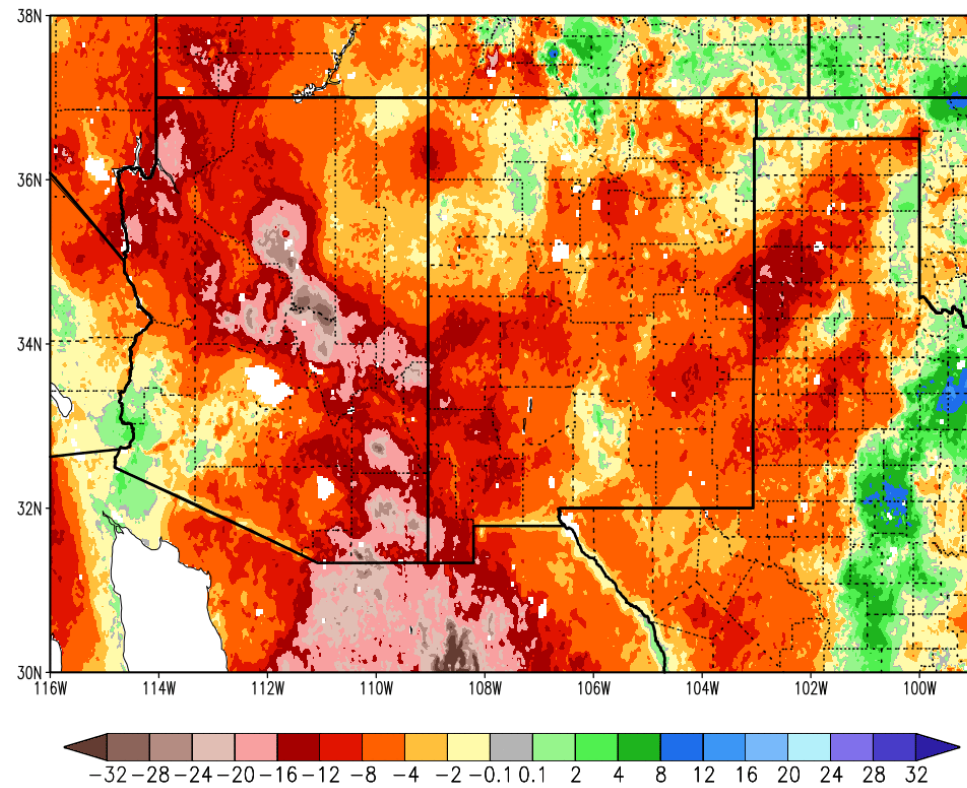
droughtmonitor.unl.edu

Drought

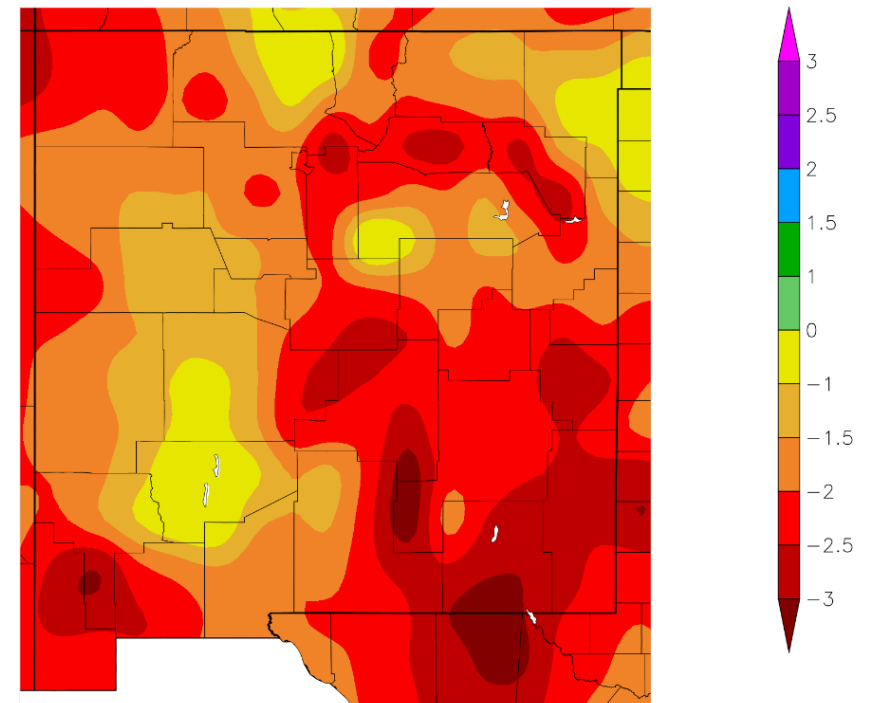


Drought

1-Year Difference in Column Relative Soil Moisture (%) valid 12z 16 Dec 2020



9 Month SPI
3/16/2020 – 12/15/2020



Generated 12/16/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

Early Season Snow

