

Drought Status & Drought Program Upcoming Activities

Némesis Ortiz-Declet

Statewide Planning

Arizona Department of Water Resources

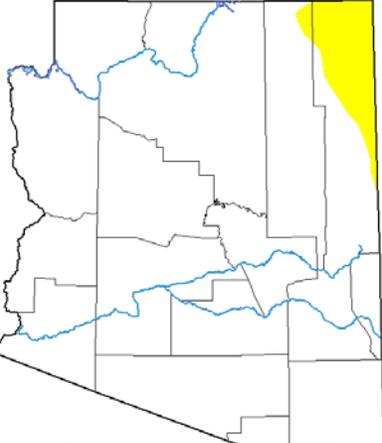


Overview:

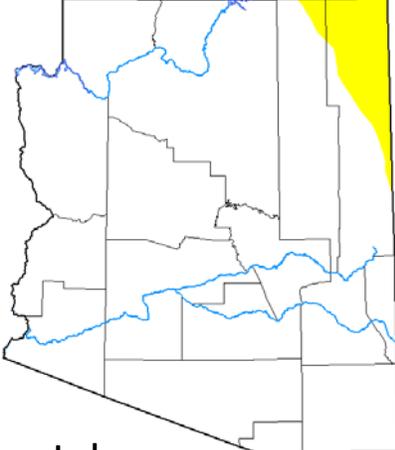
1. Short-term Drought Status in the Past 6 Months
2. December 2019 Short-Term Drought Status Report
3. Long-term Drought Status in the Past Year
4. October-December 2019 Long-Term Drought Status Report
5. General MTC Updates
6. Important Updates



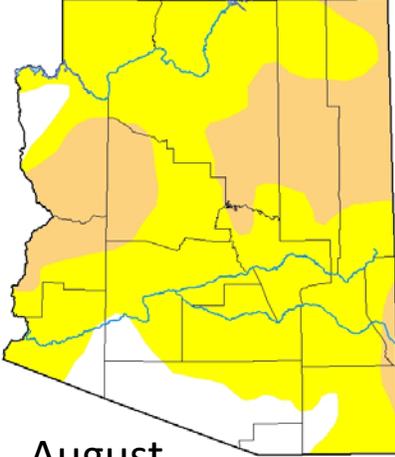
Short-Term Drought Maps



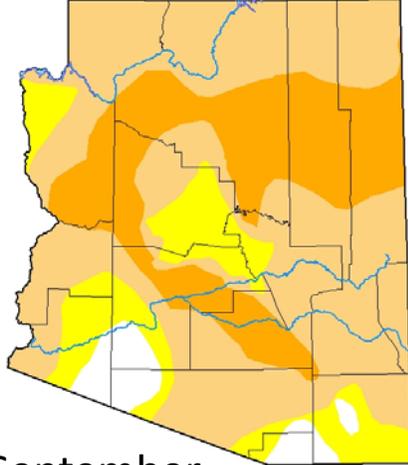
June



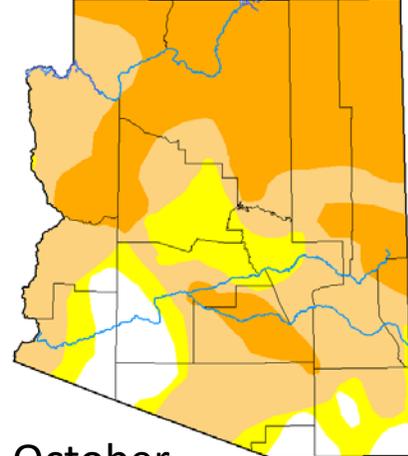
July



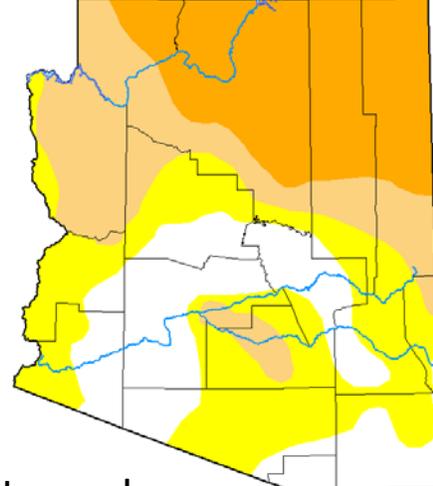
August



September



October



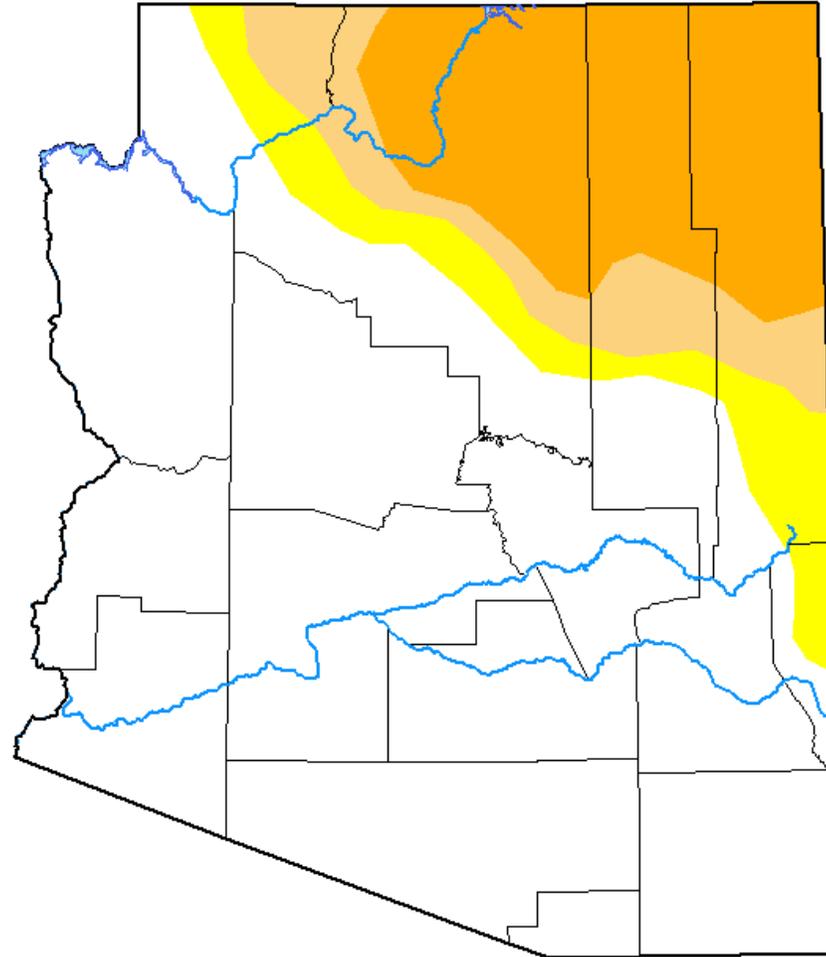
November

Past
6 Months

December 2019 Short-Term Drought Status

U.S. Drought Monitor Arizona

December 31, 2019
(Released Thursday, Jan. 2, 2020)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|-------|-------|-------|-------|-------|------|
| Current | 70.37 | 29.63 | 23.00 | 16.73 | 0.00 | 0.00 |
| Last Week 12-24-2019 | 50.54 | 49.46 | 26.63 | 22.01 | 0.00 | 0.00 |
| 3 Months Ago 10-01-2019 | 5.00 | 95.00 | 80.99 | 25.66 | 0.00 | 0.00 |
| Start of Calendar Year 01-01-2019 | 7.38 | 92.62 | 66.78 | 32.09 | 12.60 | 3.30 |
| Start of Water Year 10-01-2019 | 5.00 | 95.00 | 80.99 | 25.66 | 0.00 | 0.00 |
| One Year Ago 01-01-2019 | 7.38 | 92.62 | 66.78 | 32.09 | 12.60 | 3.30 |

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>

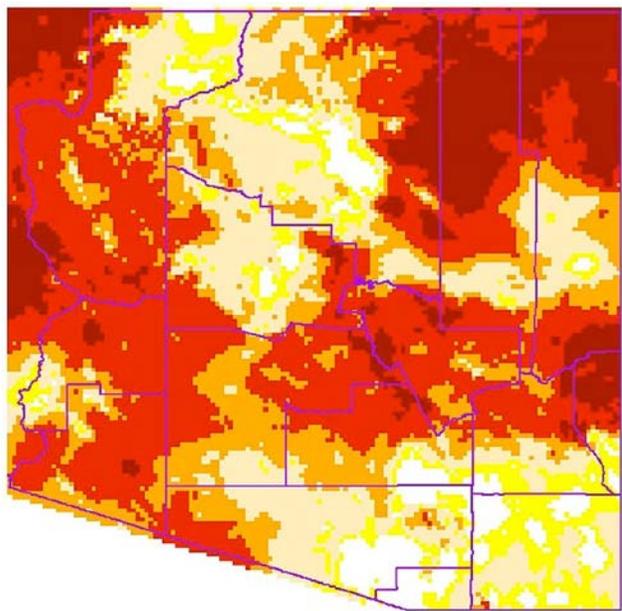
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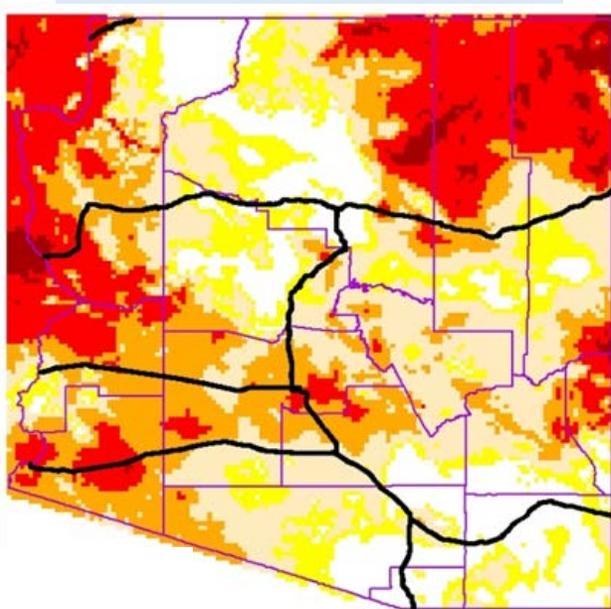
droughtmonitor.unl.edu



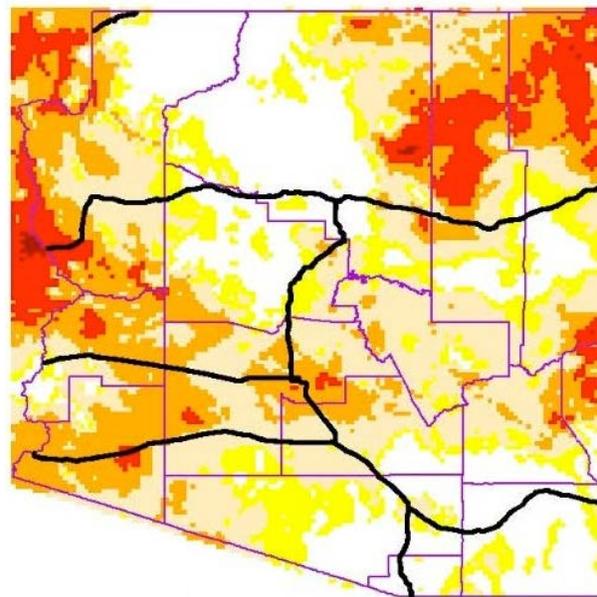
Oct – Dec 2018



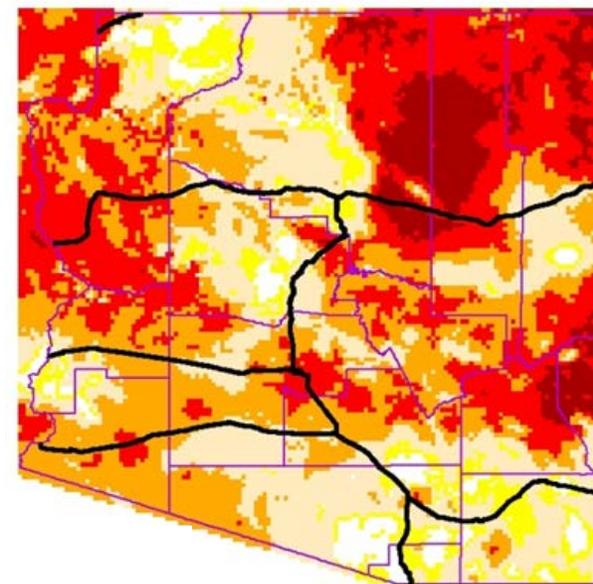
Jan – Mar 2019



Apr – June 2019



July – Sep 2019

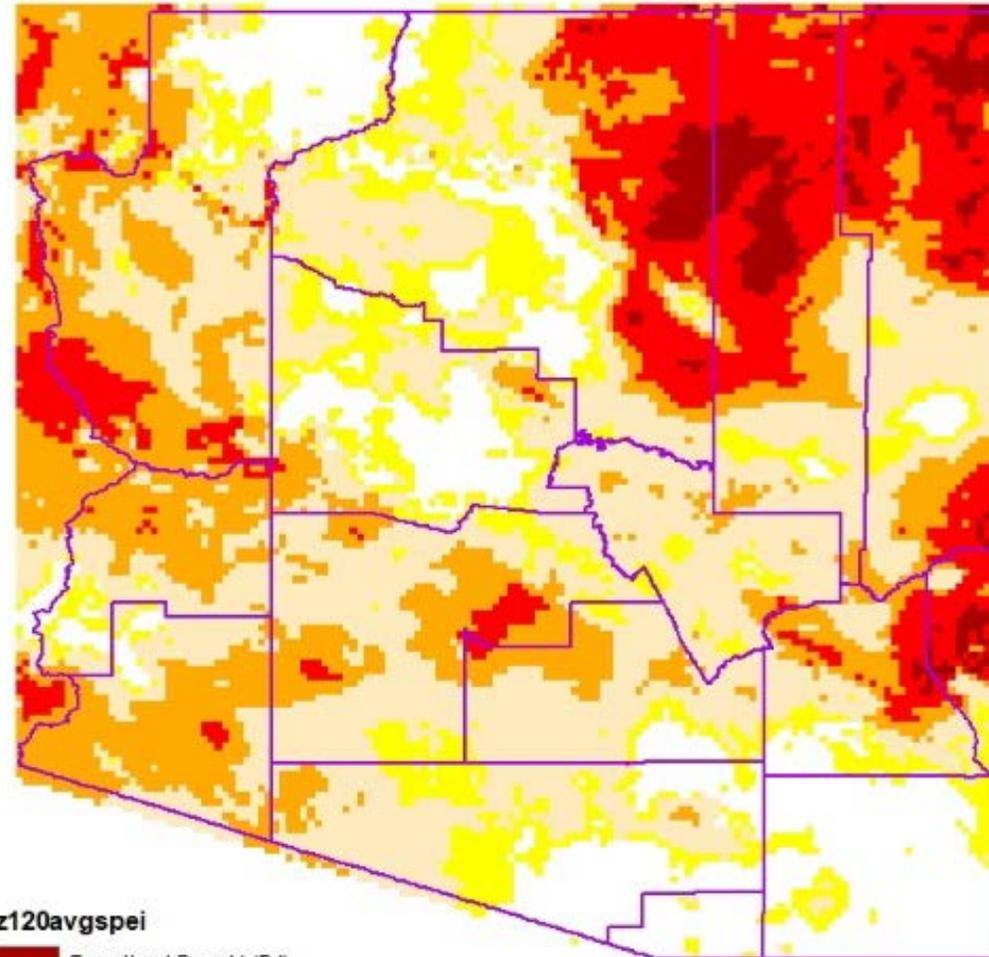


Long-Term Drought Maps

Past
Year

Oct – Dec 2019 Long-Term Drought Status

Long-Term Drought December 2019



z120avgspei

- Exceptional Drought (D4)
- Extreme Drought (D3)
- Severe Drought (D2)
- Moderate Drought (D1)
- Abnormally Dry (D0)
- No Drought

(C)2020 Arizona State Climate Office



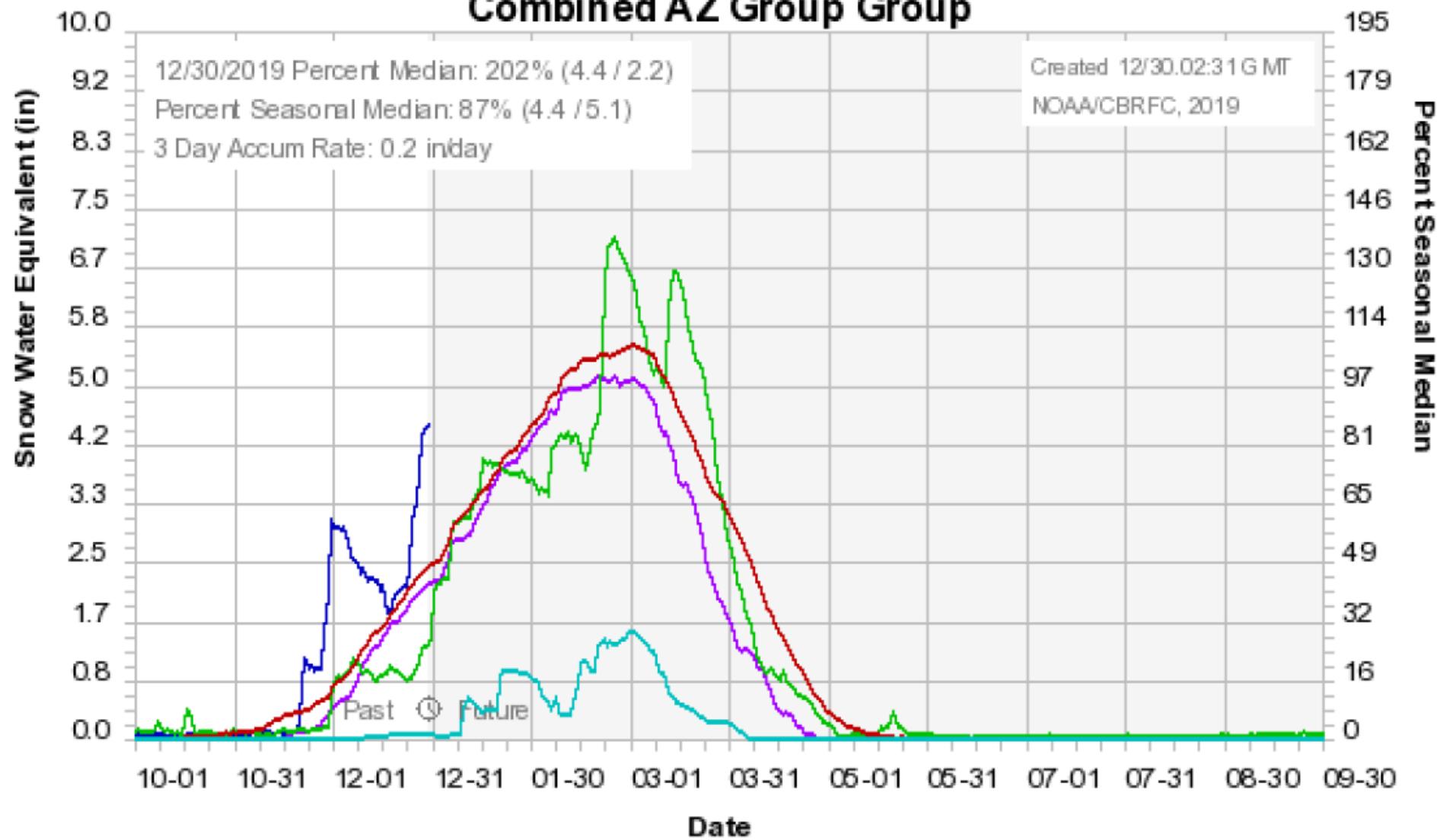
General MTC Updates



Combined AZ Snotel Water Shed Snow Water Equivalent

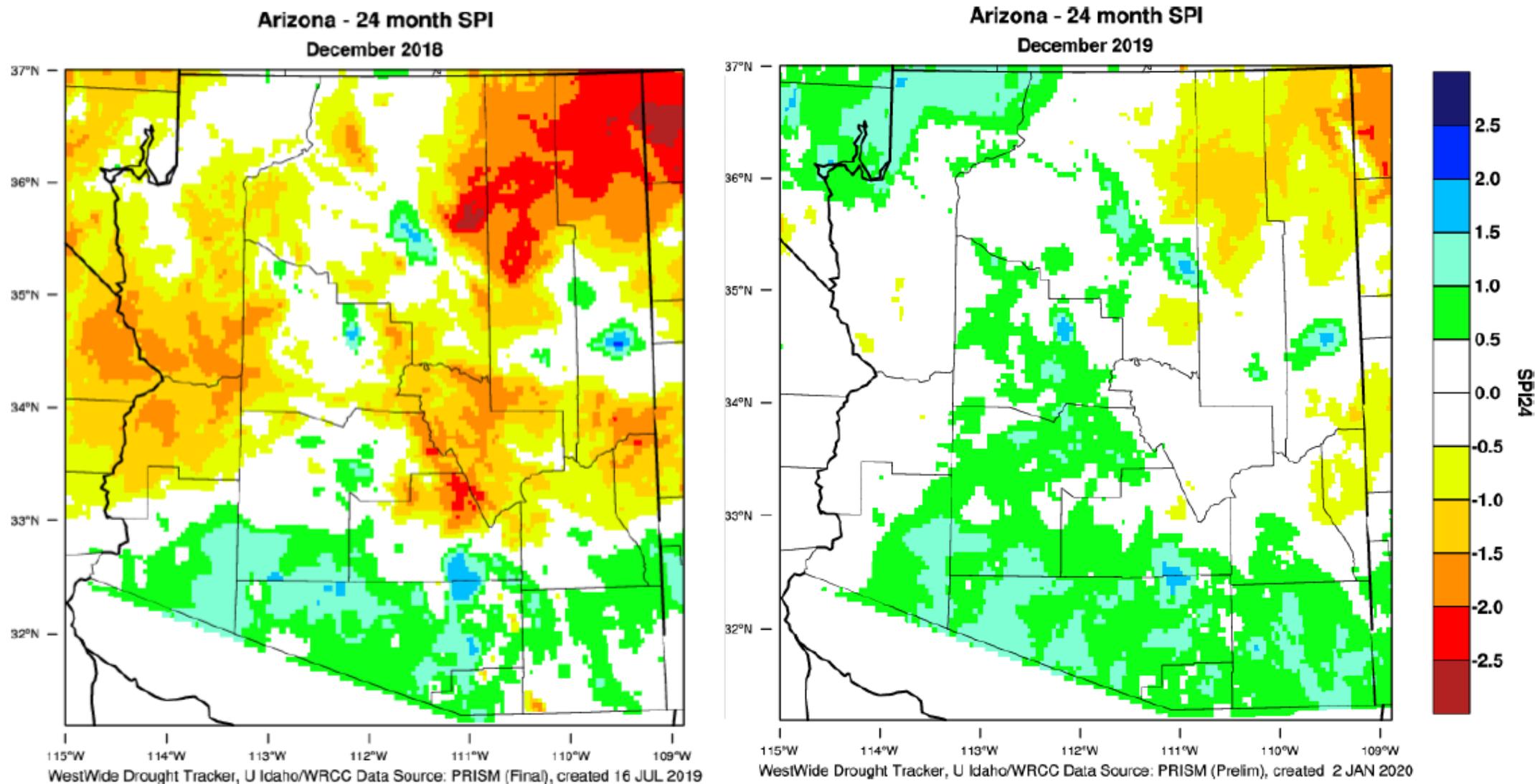
Colorado Basin River Forecast Center

Combined AZ Group Group



Median 1981-2010 2020 2019 Average 1981-2010 2018

Change in 24 month gridded SPI Dec 2018 vs. Dec 2019



Important Updates

Némesis Ortiz-Declet

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Statewide Planning

Arizona Department of Water Resources



- **2019 Arizona Drought Preparedness Annual Report – available online!**
- **December 2019 Drought Status Report – coming soon!**
- **Next Drought Monitoring Technical Committee meeting – April 2020**
- **April – Water Awareness Month**