Drought Monitoring Technical Committee Update

to the

Arizona Interagency Coordinating Group

November 12, 2019

Nancy J. Selover

Arizona State Climate Office
Water Year Precipitation Percent of Average

Oct-Dec 2018

Percent of Average Precipitation (%)
10/1/2018 - 12/31/2018

Jan-Jun 2019

Percent of Average Precipitation (%)
1/1/2019 - 6/29/2019
Monsoon Precipitation Percent of Average

2018

2019

Map produced using daily total precipitation estimates from the NOAA National Weather Service Advanced Hydrologic Prediction Service (AHPS). Data information available at http://water.weather.gov/precip/about.php. Date created: 01-Oct-2018
University of Arizona - http://cals.arizona.edu/climate/

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National Drought Monitor Comparison (Short-Term)

- Sep 25, 2018
- Feb 19, 2019
- Apr 30, 2019
- Oct 29, 2019
Drought in Arizona 2000-2019

Arizona Percent Area

Abnormally Dry
Moderate Drought
Severe Drought
Extreme Drought
Exceptional Drought

ARIZONA STATE CLIMATE OFFICE
# National Drought Monitor Comparison (Short-Term)

## Percent of State in Drought

<table>
<thead>
<tr>
<th>Category</th>
<th>Oct 2, 2018</th>
<th>Apr 30, 2019</th>
<th>Oct 1, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Drought</td>
<td>0%</td>
<td>83%</td>
<td>5%</td>
</tr>
<tr>
<td>Abnormally Dry</td>
<td>13%</td>
<td>12%</td>
<td>14%</td>
</tr>
<tr>
<td>Moderate Drought</td>
<td>42%</td>
<td>4.6%</td>
<td>55%</td>
</tr>
<tr>
<td>Severe Drought</td>
<td>25%</td>
<td>0%</td>
<td>26%</td>
</tr>
<tr>
<td>Extreme Drought</td>
<td>57%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Exceptional Drought</td>
<td>9%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>
Long Term Drought Status – Gridded

September 2018

April 2019

October 2019

Based on average of 24-, 36-, and 48-month SPI & SPEI
Long-Term WY Statewide Precipitation

Arizona, Precipitation, October-September

- Precip
- 1901-2000 Mean: 12.60" (红线)
- Binomial Filter (绿线)
Water Year Precipitation Percent of Average

WY 2020 so far ....
Questions?

Nancy J. Selover
Arizona State Climate Office
Arizona State University

480-965-0580
selover@asu.edu

http://azclimate.asu.edu