CBRFC Water Year 2018 Outlook

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Observed Fall Precipitation



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



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Modeled Soil Moisture



Fall adjustments made to Lower Zone parameters





Fall Adjustment to Soil Moisture States

Goal: Guarantee soil moisture states are as accurate and representative as possible prior to winter/snowmelt.

Why are the adjustments done in the fall?

- Snowmelt runoff and the summer monsoon, two major seasonal water inputs, are over.
- Fall rain events may have significant impacts to the soil moisture conditions.
- Irrigation and diversions are finished for the season.
- Streamflow gages are still ice free.

How are the adjustments made?

- Observed streamflow is used to adjust the model baseflow.
- Lower zone tension water is adjusted based on summer and fall precipitation.





Fall Modeled Soil Moisture









Current Snow Conditions







ESP Outlooks: 2018 April-July Volumes

Location	Nov 1 Raw ESP	Mid-Nov Raw ESP	% Change Raw ESP
Fontenelle	719 / 100%	817 / 112%	+14%
Flaming Gorge	875 / 89%	973 / 99%	+11%
Blue Mesa	520 / 77%	470 / 70%	-10%
Navajo	565 / 76%	500 / 68%	-11%
Lake Powell	4950 / 69%	4800 / 67%	-3%





Future Weather: Short Term



Climate Forecasts: Dec-Jan-Feb





