CBRFC Operations Update Water Year 2018

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CBRFC Operations Update

- Model calibration efforts
- Western water supply (map)
- Other forecast improvements
- New staff assignments reminder





Calibration

Ongoing work:

Lower Colorado recalibration

Completed:

Gunnison basin recalibration and new segments





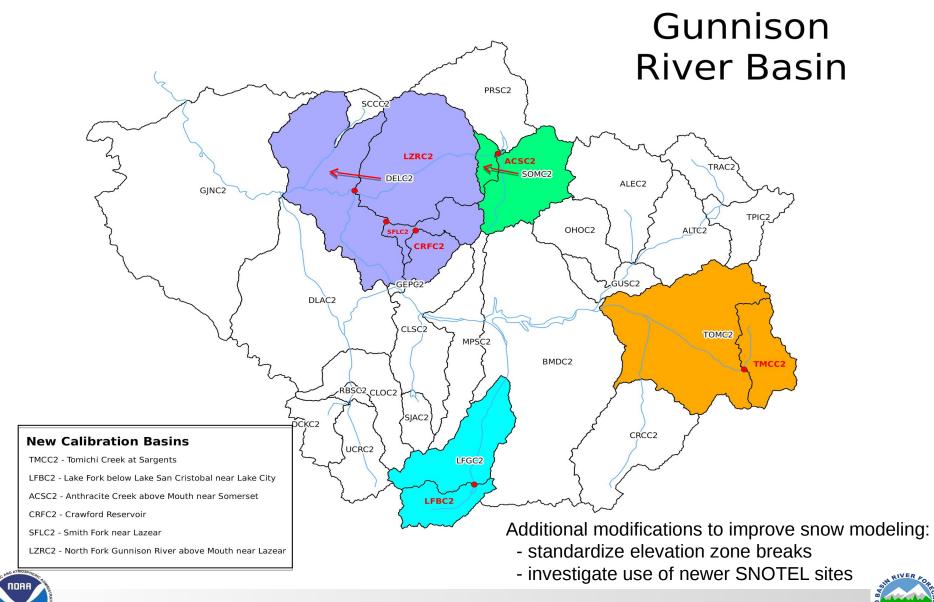
Lower Colorado Calibration

- Working on creating a calibration quality gridded precipitation and temperature data set for use in the lower basins.
 - Uses all available gages to create a grid that is then converted to Mean Areal values
 - Can do this because runoff is primarily precipitation driven vs. snow melt
 - Will be able to easily add years to the calibration/ESP data set
 - The grids that are being created can be used in the next generation of distributed hydrologic models
 - Ensures that calibrations and operations are identical
 - Current operational model is driven by grids converted to mean areal values in the lower basin, but was calibrated on station weighting method





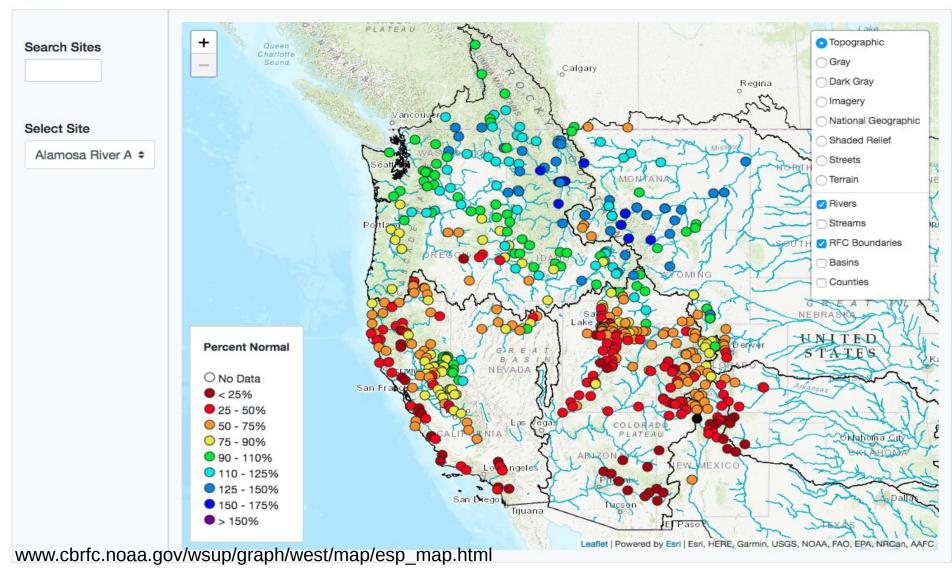
Gunnison Basin: New Segments



Western Water Supply Map



Western Water Supply Forecasts



Forecast Improvements

- 15 day deterministic forecast forecast ability (Yampa, North Fork Gunnison)
- Intervening Flow Forecasts (Lake Powell to Lake Mead)





New Staff and Basin Assignments

Patrick Kormos - Bear and Weber

Cody Moser - Colorado Headwaters

Zach Finch - Lower Colorado Basin

Ashley Nielson - Green River Basin and Lake Powell

Greg Smith - San Juan, Gunnison and Dolores

Tracy Cox - Lower Colorado Basin

Brent Bernard - Six Creeks, Provo, Sevier

Brenda Alcorn - Support and Backup



