





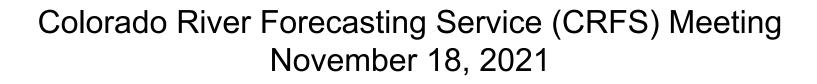








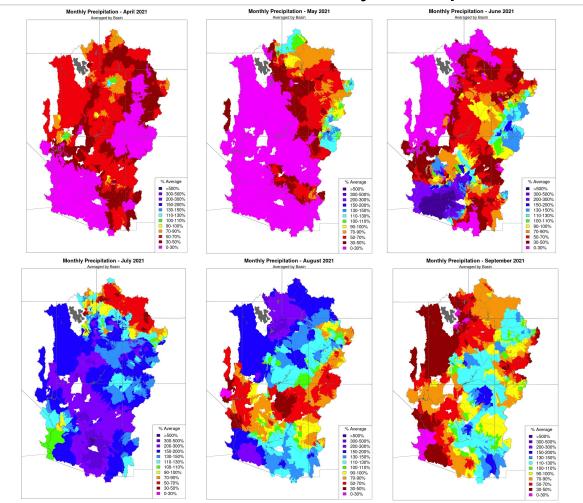
CBRFC Water Year 2022 Outlook



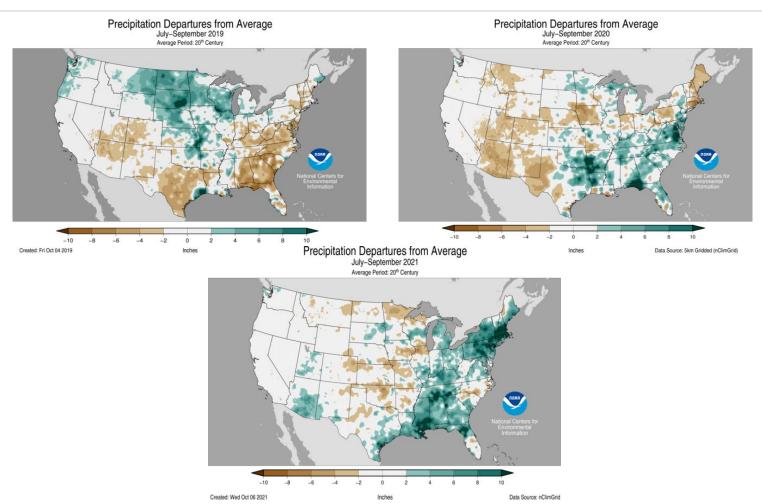
Overview

- Precipitation summary
- Streamflow conditions
- Current soil moisture conditions
- Current snowpack conditions
- April-July ESP volume outlook
- **Future Weather Outlook** ENSO status/impacts

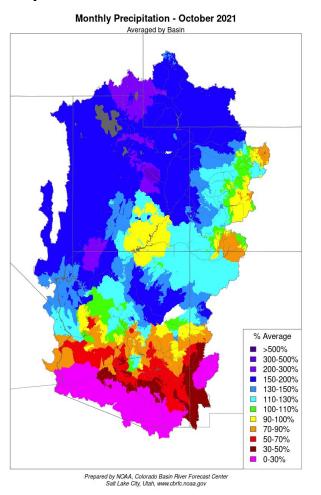
April-September 2021 Observed Monthly Precipitation Summary



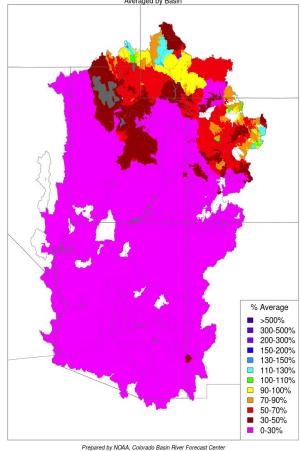
Monsoon Precipitation: July-September



WY22 Precipitation: October-November

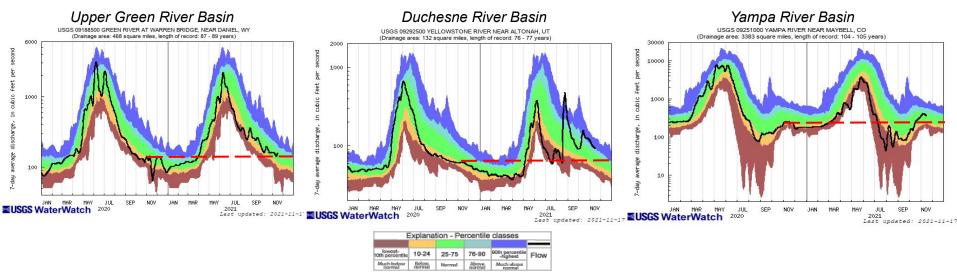


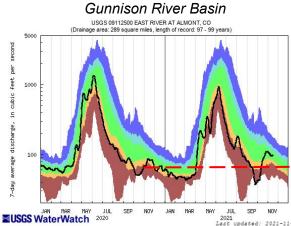
Month to Date Precipitation - November 17 2021 Averaged by Basin

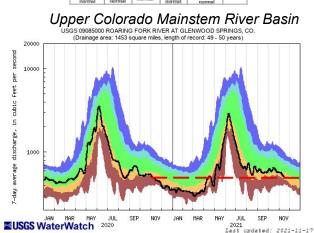


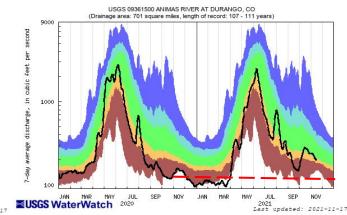
Prepared by NOAA, Colorado Basin River Forecast Cent Salt Lake City, Utah, www.cbrfc.noaa.gov

Streamflow Conditions



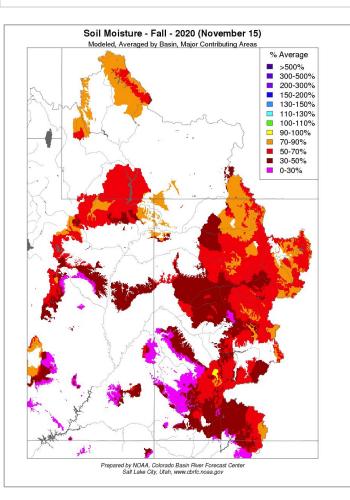




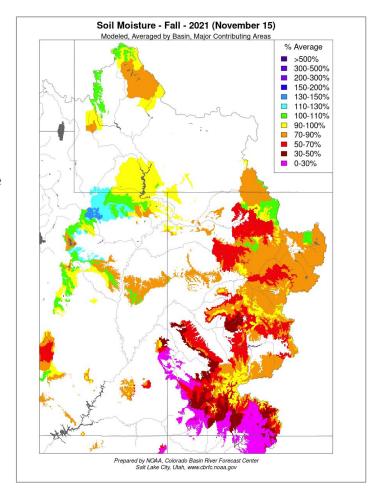


San Juan River Basin

Fall Model Soil Moisture Conditions: 2020 vs. 2021

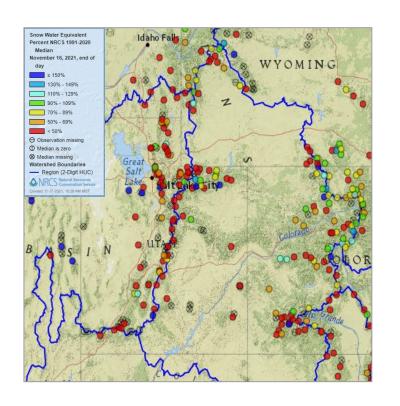


Overall, current soil moisture conditions have improved since last year due to recharge from runoff and summer/fall precipitation events.

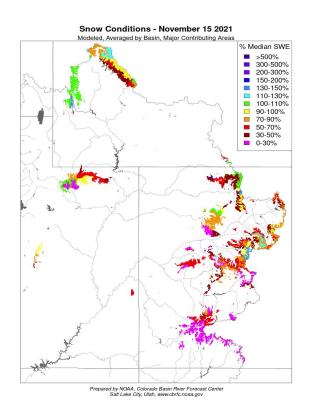


Current Snow Conditions

NRCS SNOTEL Conditions



CBRFC Model Snow Conditions

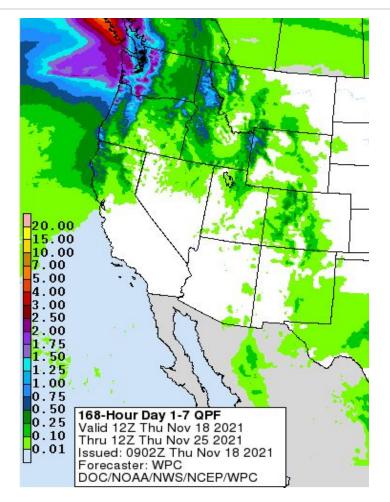


ESP Outlooks: 2022 April-July Volumes

Location	Oct 1 Raw ESP 50% KAF / %AVG	Mid-Nov Raw ESP 50% KAF/ %AVG	% Change Raw ESP (Oct-Mid Nov)
Fontenelle	575 / 78	645 / 88	+12%
Flaming Gorge	705 / 72	825 / 85	+17%
Blue Mesa	510 / 80	500 / 79	-2%
Navajo	570 / 91	420 / 67	-25%
Lake Powell	4815 / 75	4525 / 71	-6%

ESP is driven by current conditions which includes soil moisture, snow and streamflow. Final model soil moisture adjustments were accounted for in the mid-Nov ESP run.

Future Weather: Nov 18 - Nov 25 Forecast Precipitation

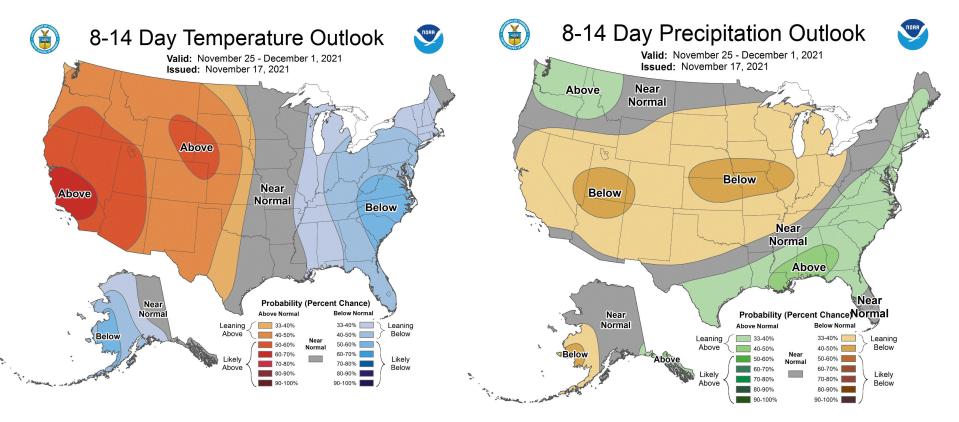


Light precipitation is possible over the northern half of the basin Friday-Saturday. Chances for precipitation over Colorado for early next week (Tue-Wed) but confidence is low at this point. No significant precipitation expected in the forecast period.

Temperatures are expected to be near to above normal.

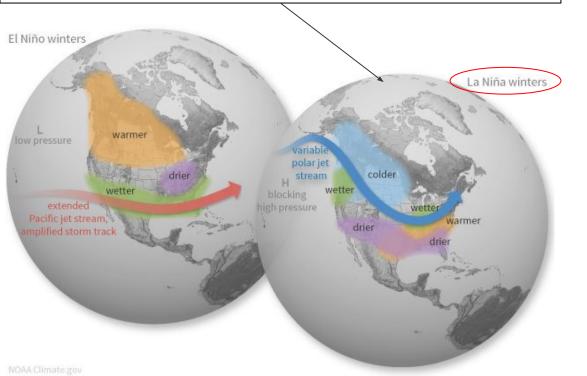
Future Weather: Last week of November

Currently there are no significant storms expected through the end of the month. November precipitation will most likely end below average for the month.

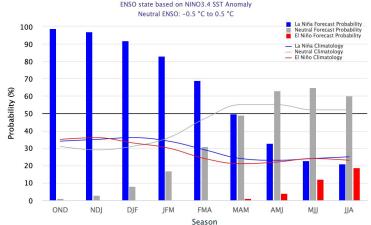


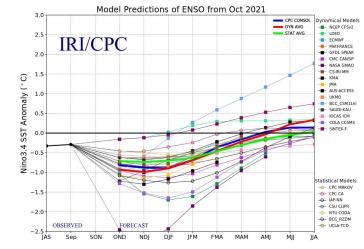
El Niño-Southern Oscillation (ENSO) Status

- **La Niña** is likely to continue through the Northern Hemisphere winter 2021-22 (~85% chance during January-March) and into spring 2022 (~50% chance during March-May).
 - Increased chances of drier winter weather in Arizona/LCRB
 - Much weaker correlation/winter weather signal elsewhere in basin



Early-November 2021 CPC/IRI Official Probabilistic ENSO Forecasts





Climate Prediction Center Winter (DJF) Outlook

