Water Availability Task Force Meeting
November 4th, 2021

NRCS Snow Survey and Water Supply Forecasting Program

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New Normals for most data types were published on Oct 1, 2021.

- The new normals are now based on 1991 to 2020 data.
- You can find direct comparisons between normals both using easily accessed data and in more detailed explanations of methods and differences on our normal webpage. Simply reach out to us for links to those resources.
Noteworthy Items

• Product website and links will be changing. Both on the National Water and Climate Center (NWCC) webpages and on Colorado Website pages and links.
  • IT required a change to new servers. As a result links and webpages are changing.
  • Data resource links will not be affected.
  • Products resource webpages and links will be affected.
• We aren’t completely sure on timeline for the change but believe the mandatory change to be in the next one to three months.
• Working as fast possible to minimize product interruptions.
• Changes are requiring considerable work and entirely new tools to generate the replacement products.
• Current presentation maps and graphs will change in appearance however will maintain much of the same data and overall look.
• If you have questions and comments please reach out to us
Water Year 2021 Recap
2021 Statewide Snowpack (SWE) Peak as a % of Median

Statewide Snowpack: 89%
Colorado Snow Surveys

Statewide Snowpack (SWE) Date

- 3/30 – 4/1
- 4/28
- 5/11 – 5/12
2020 Statewide Snowpack (SWE)

SNOW WATER EQUIVALENT IN STATE OF COLORADO

Current as of 11/03/2021:
- % of Median - 127%
- % Median Peak - 7%
- Days Until Median Peak - 157
- Percentile - 54
Statewide Snowpack (SWE) Peak as a % of Median

- Statewide snowpack peaked 88% of median
- Ranked 28th in the 36 year period of record
2020 Statewide Year End Precip

- This time last year Precip
  - In 9\textsuperscript{th} percentile
  - Ranked 33\textsuperscript{rd} of 36 year POR
- End of Year
  - In 11\textsuperscript{th} percentile
  - Ranked 32\textsuperscript{nd} of 36 Year POR
Statewide year end precip peaked 83% of median

Rated 32th in the 36 year period of Record – 5th worst
2020 Statewide Year End Precip

Colorado Statewide High/Low Monthly Precipitation Summary
Based on Provisional SNOTEL data as of Sep 30, 2021

This time last year Precip was in 31st percentile
Ranked 25th of 36 Year POR
Statewide Volumetric Streamflow as a % of Average
Oct 1, 2020 to Sept 30, 2021
October 1, 2020 - Volumetric Streamflow as an Indicator of Baseflow Leading Into Winter 2021
<table>
<thead>
<tr>
<th>Reservoir Storage</th>
<th>2021 EO Sept Resv</th>
<th>End of September, 2021</th>
</tr>
</thead>
</table>

Reservoir Storage at end of Water Year 2021 as a % of Average

Colorado Snow Surveys

Reservoir Storage at end of Water Year 2021 as a % of Average
Water Year 2022 To Date
Statewide Snowpack (SWE) Peak as a % of Median
2020 Statewide Snowpack (SWE)

Snow Water Equivalent in State of Colorado

Current as of 11/03/2021:
- % of Median - 127%
- % Median Peak - 7%
- Days Until Median Peak - 157
- Percentile - 54
Statewide End Of Year Precip as a % of Median
2020 Statewide Year End Precip

- Precip is in 74\textsuperscript{st} percentile
- Ranked 8\textsuperscript{th} of 36 Year POR
Oct 21, 2020

Volumetric Streamflow as an Indicator of Baseflow Leading Into Winter 2021

Colorado Snow Surveys
Oct 1, 2021
Volumetric Streamflow as an Indicator of Baseflow Leading Into Winter 2022

Current streamflows are considerably better than last year at this time, but still not quite average.
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Date Prepared: 2/16/2021 7:56:27 AM
Summary

• Current conditions at this point leading into winter are better than last year at this point in terms of
  • Snowpack
  • And most particularly Precipitation and Streamflow – Indicators of soil moisture
  • Snowpack at 126% of median
  • Precipitation at 120% of median
• New normals are published and available for comparison
• Products will be changing somewhat both in appearance and in web links
• If you need any assistance don’t hesitate to reach out to us
Input and Feedback Welcome

- What did you like or not like about the maps and graphs I showed today?
- What is missing?
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