Snowpack and Streamflow Forecast
Upper Colorado River Basin
Based on Provisional SNOTEL data as of Sep 30, 2018

Current as Pct of Normal: 0%
Current as Pct of Avg: 0%
Current as Pct of Last Year: 0%
Current as Pct of Peak: 0%
Normal as Pct of Peak: 0%
Current Peak as Pct of Normal Peak: 88%
Current Peak Date: Apr 10
Normal Peak Date: Apr 10
Current Meltout Date: Jun 10

Snow Water Equivalent (inches)

Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

Median WY2002 WY2012 WY2017 WY2018
Includes SNOTEL Sites

- Berthoud Summit
- Fool Creek
- Freemont Pass
- Grizzly Peak
- High Lonesome
- Hoosier Pass
- Jones Pass
- Lake Irene
- Never Summer
- Phantom Valley
- Stillwater Creek
- Willow Creek Pass
Includes SNOTEL Sites

- Bear Lake
- Copeland Lake
- Deadman Hill
- Hourglass Lake
- Joe Wright
- Lake Eldora
- Niwot
- University Camp
- Wild Basin
- Willow Park
April 1 Most Probable Forecast
West Slope

Streamflow (kAF)

Fraser
Willow Creek
Upper Colorado
Blue River

2018 Forecast
Average
April 1 Most Probable Forecast

East Slope

Streamflow (kAF)

Boulder Creek
St. Vrain
Big Thompson
Poudre

2018 Forecast
Average

Northern Water
Spring Precipitation

Departure from Normal Precipitation (in)
4/1/2018 - 4/30/2018

April

Departure from Normal Precipitation (in)
5/1/2018 - 5/31/2018

May
Total Inflow above Granby, Grand Lake-Shadow Mtn

166 KAF
2018 C-BT Project Yield

- 155,837 acre-feet of yield, equivalent to a 50% quota
- Over 2,800 acre-feet of water from the Big Thompson
C-BT Project Operations
C-BT Quota Allocations

November 2017: 50%
April 2018: +30% 80%
Project Operations Lineup

- Regional Pool Allocation
- Pumped at Windy Gap
  - 2013 was the last year we pumped
- Grand Lake Clarity
Windy Gap Pumping – 26,236 AF

- 5% Introduction Shrink
- Middle Park
- Grand County
- Pay Back In-Lieu Deliveries
- Participants Accounts for Delivery
- Shrink Account for East Slope Deliveries
Deliveries from C-BT Project
Percent of Deliveries to Agriculture and Muni & Ind
C-BT Delivery Summary

- 224,833 AF delivered this water year (Quota, Carryover, RPP)
  - 40% from Carter Lake
  - 49% from Horsetooth

[Graph showing water delivery trends from 1957 to 2017 for Carter Lake, Horsetooth, and Other sources.]

*Northern Water*
C-BT Project Storage Levels
November 1, 2018

- Empty: 19%
- Project Reserves: 50%
- Regional Pool: 84%
- Quota: 19%
- Collateral: 50%
- Carryover: 19%
- Replacement: 19%
- Windy Gap: 19%
Outlook
Colorado Drought

U.S. Drought Monitor
Colorado

November 6, 2018
(Released Thursday, Nov. 8, 2018)
Valid 7 a.m. EST

Intensity:
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
David Simmeral
Western Regional Climate Center

http://droughtmonitor.unl.edu/
El Nino has 70% to 75% chance of developing. Expected to be a weak El Nino.
Questions?
Long Term Outlook - Precipitation

Source: Weather5280.com
Long Term Outlook - Temperature

Source: Weather5280.com
Long Term Outlook
Colorado Drought

U.S. Drought Monitor
Colorado

November 7, 2017
(Released Thursday, Nov. 9, 2017)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

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<th>D0-D4</th>
<th>D1-D4</th>
<th>D2-D4</th>
<th>D3-D4</th>
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<tr>
<td>Current</td>
<td>71.26</td>
<td>21.74</td>
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<td>Last Week</td>
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<td>28.63</td>
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<td>3 Months Ago</td>
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<td>17.31</td>
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<td>31.88</td>
<td>60.12</td>
<td>37.21</td>
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<td>Start of Water Year 9-30-2017</td>
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<td>1.60</td>
<td>98.40</td>
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</table>

Intensity:
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Author:
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NOAA/NWS/NCEP/CPC

http://droughtmonitor.unl.edu/