SUMMIT COUNTY STATE OF THE RIVER

May 14, 2020
Nathan Elder, Raw Water Supply
## Current Storage
### May 14, 2020

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Capacity (acre-feet)</th>
<th>Current Usable Contents (acre-feet)</th>
<th>Percent Full</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Usable</td>
<td>Current</td>
</tr>
<tr>
<td>Antero</td>
<td>19,881</td>
<td>19,826</td>
<td>19,476</td>
</tr>
<tr>
<td>Eleven Mile</td>
<td>97,779</td>
<td>97,779</td>
<td>99,315</td>
</tr>
<tr>
<td>Cheesman</td>
<td>79,064</td>
<td>79,064</td>
<td>50,410</td>
</tr>
<tr>
<td>Marston</td>
<td>19,256</td>
<td>13,133</td>
<td>7,617</td>
</tr>
<tr>
<td>Strontia Springs</td>
<td>7,863</td>
<td>7,163</td>
<td>6,521</td>
</tr>
<tr>
<td>Chatfield</td>
<td>27,076</td>
<td>10,782</td>
<td>9,111</td>
</tr>
<tr>
<td>Dillon</td>
<td>257,304</td>
<td>249,095</td>
<td>232,695</td>
</tr>
<tr>
<td>Gross</td>
<td>41,811</td>
<td>29,811</td>
<td>15,527</td>
</tr>
<tr>
<td>Ralston</td>
<td>10,776</td>
<td>7,276</td>
<td>3,460</td>
</tr>
<tr>
<td>Meadow Creek</td>
<td>5,370</td>
<td>4,520</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>566,180</td>
<td>518,449</td>
<td>444,131</td>
</tr>
</tbody>
</table>
Snow Water Equivalent in S. Platte River Collection System

Snow water equivalent (SWE) is the amount of water contained in the snowpack, or the depth of water that would result if the snowpack suddenly melted. The information in this chart comes from seven automated SNOTEL stations, in the Upper South Platte River basin, that are operated by the Natural Resources Conservation Service (NRCS).

Percent of normal: 67%
Percent of normal peak: 52%

- Minimum and Maximum Snow Water Equivalent Range (1979-2018)
- Normal Snow Water Equivalent (1981-2010)
- 2019-2020 Snow Water Equivalent
Current CBRFC Inflow Projection - Total Volume

Blue - Dillon Reservoir (DIRC2)
Period: Apr-Jul, Official 50% Forecast (2020-05-01): 170 kaf (104% Average, 107% Median)
ESP is Unregulated and No Precipitation Forecast Included

2020/05/01:
Max 1984: 275.99
Min 2002: 54.07
Average: 163
Median: 159
Observed
Accumulation: 9.34
Observed Total: 12.5
Normal
Accumulation: 11.2
ESP: 172
Official 10: 205
Official 30: 185
Official 50: 170
Official 70: 155
Official 90: 140
Current CBRFC Inflow Projection- Daily Average Flows

Dillon Projected Inflow
May 10, 2020 CBRFC ESP

Daily Average Flow (cfs)


0 500 1000 1500 2000 2500 3000
CBRFC Short Term Flow Forecast

Colorado Basin River Forecast Center
DILLON RESERVOIR Inflow (DIRC2)

Latest: M, No Flood Stage, No Bankfull

Simulated - Observed - Forecast (05/12 15:00) - Outlook (increasing uncertainty)

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%
Dillon Expected Operations Summary

- Dillon is expected to fill and spill
- Peak outflow likely* to be 800-1600 cfs
- Outflows above 500 cfs expected for 2 to 6 weeks
- June 1st reservoir elevation expected* to be at least 9012 ft

*unless May/June precipitation is significantly above average
QUESTIONS?

Email notification sign-up:
https://www.denverwater.org/recreation/dillon-reservoir/outflow-update