Upper Colorado Region Weekly Hydrology Summary
Facilities Status Update for the week ending November 27, 2020

Upper Colorado River Basin

- WY 2021 forecasted unregulated inflow decreased to 6.25 maf (58% of avg).
- We are experiencing record-breaking drought in the Upper Colorado.
  - The last six month period is the driest on record.
  - August 2019 with ~20 kaf unregulated inflow (-4% of avg), is the second driest on record, following August 2002.
  - September 2019 with 47 kaf unregulated inflow (12% of avg) is the second driest on record, following September 2018 (1 kaf).
  - October 2019 with 91 kaf (18% of avg) is the driest on record, followed by October 2001 (159 kaf).
- The August 2020 24-MS set WY2021 operating tier in the Upper Elevation Balancing Tier of the 2007 IG.
- The November most probable release in WY2021 is 8.234 maf with a balancing release of ~4,000 af.
- The October min and max studies both show a WY2021 release of 8.23 maf.

Green River Basin

- Flaming Gorge operations are in a winter base flow period which started on December 1. Average daily releases will be 1000 cfs, +25% of the calculated base flow to meet Moderately Dry hydrologic condition lower targets in Reach 2, 1,100 cfs to 1,500 cfs (includes flows from the Yampa River).
- Fontenelle’s releases are currently set at 825 cfs. This release is scheduled to be maintained through the Fall/Winter operation period, which typically ends in March when ice on the Green River begins to thaw.

Gunnison River Basin

- Releases from Aspinall are 400 cfs.
- Aspinnall’s operations are in base flow mode.
- We are maintaining Whitewater flows above 750 cfs and Black Canyon flows above 300 cfs. On October 31, 2020 the Gunnison Tunnel terminated diversions for the 2020 irrigation season. About every 2 weeks throughout the winter months, the Gunnison Tunnel will make a small diversion to refill Fairview Reservoir. As of yesterday, Whitewater flows were 837 cfs and Black Canyon flows were 382 cfs.
- Blue Mesa will not fill this year due to the below normal forecast for the spring runoff. Based on the current conditions and projected inflows, Blue Mesa has already reached its peak elevation for the year which was 7492.87 feet which occurred on June 19, 2020. The current elevation is now 7464.51 feet and gradually increasing. This is 54 feet from the full pool elevation of 7519.6 feet. Current storage is 399,627 acre-feet which is 48 percent of full capacity.

San Juan River Basin

- The NIIP has shut of diversions for the season.
- The San Juan-Chama project is not currently diverting from the basin above the reservoir. The river flow measured at the Animas River at Farmington USGS gage was at 196 cfs. River flow at the San Juan River at Four Corners USGS gage was 525 cfs.
- Releases from Navajo Dam are made for authorized purposes of the Navajo Unit and are pursuant to the Record of Decision for the Navajo Reservoir Operations. The release targets the San Juan River Recovery Implementation Program’s recommended downstream baseflow range of 500 cfs to 1,000 cfs through the critical habitat reach of the San Juan River (Farmington, NM to Lake Powell). Current modeling shows the release from Navajo will most likely vary between 250 and 500 cfs to accomplish this over the winter. The currently calculated weekly baseflow is 521, which is within the target range.
This hydrologic information is provided weekly to summarize the hydrologic conditions in the Upper Colorado Region. If additional information is required, please contact Mark Delorey (mdelorey@usbr.gov) in the Water Management Group, Power Office.

### Selected Reservoir Status - Report Date: December 4, 2020

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Elevation (ft)</th>
<th>Live Storage (1000 AF)</th>
<th>% of Live Capacity</th>
<th>Avg Daily Unreg Inflow (cfs)</th>
<th>Daily Release (cfs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Powell</td>
<td>3,587.18</td>
<td>10,567</td>
<td>43%</td>
<td>1,788</td>
<td>12,059</td>
</tr>
<tr>
<td>Blue Mesa</td>
<td>7,464.48</td>
<td>399</td>
<td>48%</td>
<td>322</td>
<td>318</td>
</tr>
<tr>
<td>Flaming Gorge</td>
<td>6,025.27</td>
<td>3,170</td>
<td>84%</td>
<td>226</td>
<td>1,018</td>
</tr>
<tr>
<td>Fontenelle</td>
<td>6,487.50</td>
<td>211</td>
<td>61%</td>
<td>382</td>
<td>825</td>
</tr>
<tr>
<td>Navajo**</td>
<td>6,038.14</td>
<td>1,093</td>
<td>64%</td>
<td>71</td>
<td>367</td>
</tr>
<tr>
<td>Elephant Butte</td>
<td>4,297.53</td>
<td>102</td>
<td>5%</td>
<td>376</td>
<td>1</td>
</tr>
</tbody>
</table>

Current as of: 12/3/2020  **Unreg inflow is actually Modified Unreg Inflow**

### Selected Reservoir Inflows - Forecasted & Water Year to December 4, 2020

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>December Final Forecast WY2021 Unregulated Inflow (1000 AF)</th>
<th>December Final Forecast WY2021 Unregulated Inflow (% Average)</th>
<th>November Unregulated Inflow Observed (1000 AF)</th>
<th>November Unregulated Inflow Observed (% Average)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Powell</td>
<td>6,252</td>
<td>58%</td>
<td>261</td>
<td>55%</td>
</tr>
<tr>
<td>Blue Mesa</td>
<td>660</td>
<td>69%</td>
<td>25</td>
<td>79%</td>
</tr>
<tr>
<td>Fontenelle</td>
<td>799</td>
<td>74%</td>
<td>32</td>
<td>77%</td>
</tr>
<tr>
<td>Flaming Gorge</td>
<td>986</td>
<td>68%</td>
<td>36</td>
<td>70%</td>
</tr>
<tr>
<td>Navajo</td>
<td>613</td>
<td>57%</td>
<td>16.9</td>
<td>50%</td>
</tr>
</tbody>
</table>
Upper Colorado Region Weekly Hydrology Summary

% AVERAGE PRECIPITATION - Upper Colorado Region - December 4, 2020

% AVG PRECIPITATION Conditions Map
Upper Colorado Region Weekly Hydrology Summary

Snow Conditions - December 04 2020

Month to Date Precipitation - December 04 2020

6-10 Day Temperature

6-10 Day Precipitation