RIO GRANDE PROJECT

Rio Grande Citizens Forum Meeting

June 24, 2021
Current Project Storage Conditions

As of 6/22/2021

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>2021 STORAGE</th>
<th>2020 STORAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elephant Butte Reservoir</td>
<td>164,464</td>
<td>319,446</td>
</tr>
<tr>
<td>Caballo Reservoir</td>
<td>21,211</td>
<td>66,364</td>
</tr>
<tr>
<td>Total Rio Grande Project Storage</td>
<td>185,675</td>
<td>385,810</td>
</tr>
<tr>
<td>Rio Grande Compact Credit Water</td>
<td>1,111</td>
<td>811</td>
</tr>
<tr>
<td>San Juan - Chama Water</td>
<td>1,671</td>
<td>182</td>
</tr>
<tr>
<td>RGP Usable Water</td>
<td>182,893</td>
<td>384,817</td>
</tr>
</tbody>
</table>

Data Current as of: 06/22/2021

https://www.usbr.gov/uc/water/basin/
Historical Elephant Butte Storage
Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 May 2021.
Three Month Outlooks

Precipitation

Temperature
North American Drought Monitor
May 31, 2021

Released: Thursday, June 10, 2021

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

Drought Impact Types:
- Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g., agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g., hydrology, ecology)

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

Regions in northern Canada may not be as accurate as other regions due to limited information.
U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period

Valid for May 20 - August 31, 2021
Released May 20

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short-lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Yun Fan
NOAA/NWS/NCEP/Climate Prediction Center

http://go.usa.gov/3eZ73
Otowi and Narrows Gages

**USGS 08313000 RIO GRANDE AT OTOWI BRIDGE, NM**
**USGS 08359500 RIO GRANDE AT NARROWS IN ELEPHANT BUTTE RES., NM**

**Explanation**
- ✔️ USGS 08313000
- ✔️ Measured discharge
- ✔️ USGS 08359500
- ✔️ Measured discharge

Discharge, cubic feet per second
1981-2010 Average is 510 KAF

~117 KAF at Narrows Gage as of June 22
URGWOM Inflows (Mar–July) 137,000 ac-ft/169 MCM
Releases (Estimated) 286,000 ac-ft/ 353 MCM
2021 Rio Grande Project Operations

May 25, 2021 Allocation (acre-ft)

<table>
<thead>
<tr>
<th></th>
<th>Allocation (acre-ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBID</td>
<td>51,330</td>
</tr>
<tr>
<td>EP1</td>
<td>121,387</td>
</tr>
<tr>
<td>Mexico</td>
<td>12,129</td>
</tr>
</tbody>
</table>

May 25 allocation – 20% based on Mexico allocation
• Total – 184,845 acre-ft
  • Full allocation is considered 790,000 acre-ft.

Irrigation season projections
• Water Season
  • Releases for EBID, EP1, and Mexico started May 31
  • EBID – end late June / early July
  • EP1 – end late July / early August
  • Mexico – end late July
Historical Mexico Allocations
Summary

- Total Project usable water is at about 270 KAF including total release, or 12% of total capacity.

- Irrigation season started on May 31 and will last for about two months.

- Estimated URGWOM March – July flows at San Marcial are 137 KAF, or 26% of the 1981 to 2010 average.

- Total May 25 allocation is 184,845 ac-ft.
Questions?