Basin Conditions Update

Water Operations Committee Meeting
Aug. 16, 2022
U.S. Drought Monitor

Lower Colorado River Basin

As of Aug. 9, 2022
Water Flowing Into Lakes Buchanan and Travis

![Bar chart showing water flow into Lakes Buchanan and Travis for different months and years. The chart compares average water flow from 1942-2021, average of 2008-2015, and the year 2022. The chart highlights the month of May with the highest water flow, peaking at 200,000 acre-feet. The minimum water flow is observed in January and December, with a value of 15,000 acre-feet.]
Water Flowing Into Lakes Buchanan and Travis – Median

<table>
<thead>
<tr>
<th>Month</th>
<th>Average (1942-2021)</th>
<th>Median (1942-2021)</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td></td>
<td></td>
<td>586</td>
</tr>
<tr>
<td>February</td>
<td></td>
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<td></td>
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<tr>
<td>March</td>
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<tr>
<td>April</td>
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<tr>
<td>May</td>
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<td>June</td>
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<td>July</td>
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<td>August</td>
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<td>October</td>
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<td>November</td>
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<td></td>
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<tr>
<td>December</td>
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</tbody>
</table>
Highland Lakes – Cumulative Annual Evaporation

Cumulative Annual Evaporation (a-f)

- Annual Average (2011-2022)
- 2011
- 2022

Cumulative Annual Evaporation (a-f)

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Graph showing cumulative annual evaporation from January to December for the years 2011, 2022, and the annual average from 2011 to 2022.
Lakes Buchanan and Travis Total Combined Storage Projections

- Lakes Buchanan and Travis combined conservation storage is managed to a maximum of 1.96 million acre-feet from May to October and 2 million acre-feet from November to April due to seasonal lake level limits for Lake Buchanan.

**Note:** One acre-foot equals 325,851 gallons.
Average for August: 664.41 feet msl

Historic low (1951): 614.18 feet msl

*Based on results from the draft stochastic model under development to reflect provisions of the 2020 Water Management Plan
Average for August: 1,011.07 feet msl
Historic low (1952): 983.70 feet msl

*Based on results from the draft stochastic model under development to reflect provisions of the 2020 Water Management Plan
Lake Level Comparisons

*For purposes of the 2020 Water Management Plan, the combined storage is defined as the total of the daily average volume of water in lakes Buchanan and Travis. This determination excludes any water in Lake Buchanan above elevation 1,018 feet msl in the months of May through October or above 1,020 feet msl in the months of November through April and any water in Lake Travis above elevation 681 feet msl.

<table>
<thead>
<tr>
<th></th>
<th>Aug. 1, 2021</th>
<th>Aug. 1, 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake Travis (feet msl)</td>
<td>666.41</td>
<td>646.83</td>
</tr>
<tr>
<td>Lake Buchanan (feet msl)</td>
<td>1,016.97</td>
<td>1,004.75</td>
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<tr>
<td>Combined storage* (a-f)</td>
<td>1,674,639</td>
<td>1,164,272</td>
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</tbody>
</table>
Total Combined Storage - Lakes Buchanan and Travis

September 30, 1940 to July 13, 2022

- Full storage (2 million acre-feet)
- Average storage (1.63 million acre-feet)
- Combined storage (million acre-feet)
Use of Interruptible Stored Water and Run-of-River at the Four Downstream Agricultural Operations

Annual Water Use From Lakes Buchanan and Travis (a-f)

- Projected total agricultural demands high-use year
- Projected total agricultural demands average-use year

Use of Interruptible Stored Water and Run-of-River at the Four Downstream Agricultural Operations

- Diversion of Interruptible Stored Water
- Diversion of Run-of-River Water

Year:
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021
Municipal, Industrial, Recreation and Firm Irrigation Use From Lakes Buchanan and Travis and Colorado River

Water Use (a-f)

- Projected 2025 normal/average demands
- Projected 2025 high/max demands

Year
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021

Water Use Categories
- Municipal
- Industrial
- Recreation and Firm Irrigation