ARIZONA, CALIFORNIA, NEVADA, MEXICO
FORECAST OF END OF YEAR CONSUMPTIVE USE
FORECAST BASED ON USE TO DATE AND APPROVED ANNUAL WATER ORDERS ¹

<table>
<thead>
<tr>
<th>WATER USE SUMMARY</th>
<th>Use To Date</th>
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<tbody>
<tr>
<td></td>
<td>CY 2022</td>
</tr>
<tr>
<td>States Total ³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,633,022</td>
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<tr>
<td>Total Deliveries to Mexico in Satisfaction of Treaty Requirements ⁴</td>
<td>1,477,661</td>
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<tr>
<td>Creation of Mexico’s Recoverable Water Savings ⁵</td>
<td>30,000</td>
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<td>Creation of Mexico’s Water Reserve ⁶</td>
<td>4,982</td>
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<tr>
<td>Delivery of Mexico’s Water Reserve ⁷</td>
<td>(34,977)</td>
</tr>
<tr>
<td>Total to Mexico in Satisfaction of Treaty Requirements ⁸</td>
<td>1,477,666</td>
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<tr>
<td>To Mexico in Excess of Treaty ⁹</td>
<td>8,779</td>
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<tr>
<td>Water Bypassed Pursuant to IBWC Minute 242 ¹⁰</td>
<td>141,571</td>
</tr>
<tr>
<td>Total Lower Basin &amp; Mexico ¹¹</td>
<td>8,261,033</td>
</tr>
</tbody>
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¹ Incorporates 80 daily reporting stations which may be revised after provisional data reports are distributed by the USGS. Use to date is estimated for users reporting monthly and annually.
² These values reflect adjusted apportionments. See Adjusted Apportionment calculation on each state page.
³ Includes unmeasured returns based on estimated consumptive use/diversion ratios by user from studies provided by Arizona Department of Water Resources, Colorado River Board of California, and Reclamation.
⁴ Includes deliveries to Mexico at the Northernly International Boundary (including delivery from Mexico’s Water Reserve), Southernly International Boundary, Limítrofe, and Diversion Channel Discharge; and diversions at Parker Dam for Emergency Delivery to Tijuana; does not include Creation of Mexico’s Water Reserve or Creation of Mexico’s Recoverable Water Savings.
⁵ Water delivered by Mexico pursuant to Section IV of IBWC Minute 323 and the Joint Report of the Principal Engineers with the Implementing Details of the Binational Water Scarcity Contingency Plan in the Colorado River Basin dated July 11, 2019. Mexico’s required Binational Water Scarcity Contingency Plan Contribution.
⁶ Water delivered by Mexico pursuant to Section V of IBWC Minute 323.
⁷ Delivery from Mexico’s Water Reserve pursuant to Section V.E.13 of IBWC Minute 323.
⁸ In accordance with Section XI.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the Lower Colorado River in 2022. In accordance with Section III.A of Minute 323, Mexico’s scheduled deliveries incorporate the required reduction of 50,000 AF from its 1.5 million AF Colorado River water allotment. “Total Delivery to Mexico in Satisfaction of Treaty Requirements” adds in Mexico’s Water Reserve and Mexico’s Recoverable Water Savings delivery.
⁹ Mexico excess forecast is based on the 5-year average for the period 2016-2020.
¹⁰ Bypass forecast is based on the average for the period 1990-2020.
¹¹ Includes States Total, Deliveries to Mexico in Satisfaction of Treaty, To Mexico in Excess of Treaty, and Water Bypassed Pursuant to IBWC Minute 242.

Graph notes: January 1 forecast use is scheduled use in accordance with the Annual Operating Plan’s state entitlements, available unused entitlements, and over-run paybacks. A downward sloping line indicates use at a lower rate than scheduled, upward sloping is above schedule, and a flat line indicates a use rate equal to schedule. Lower priority users such as CAP, MWD, and Robt.B.Griffith may adjust use rates to meet state entitlements as higher priority use deviates from schedule. Abrupt changes in the forecast use line may be due to a diversion schedule change or monthly updating of provisional realtime diversions.
**ARIZONA WATER USERS**
Forecast end of year diversion/consumptive use
Forecast based on use to date and approved annual water orders

### Arizona Schedules and Approvals
Historic Use Records (Water Accounting Reports)

<table>
<thead>
<tr>
<th>WATER USER</th>
<th>CY 2022</th>
<th>CY 2022</th>
<th>CY 2022</th>
<th>Excess to Estimated Use</th>
<th>CY 2022</th>
<th>CY 2022</th>
<th>CY 2022</th>
<th>Excess to Approved Diversion</th>
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<td>Bureau of Reclamation - Davis Dam Project</td>
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<td>753</td>
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<td>75,806</td>
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<td>Havasu National Wildlife Refuge</td>
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<td>1,959</td>
<td>2,100</td>
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### Arizona Pumpers
- **Use To Date (CY 2022)**
- **Forecast Use (CY 2022)**
- **Estimated Use (CY 2022)**
- **Excess to Estimated Use (CY 2022)**
- **Diversion (CY 2022)**
- **Forecast Diversion (CY 2022)**
- **Approved Diversion (CY 2022)**
- **Excess to Approved Diversion (CY 2022)**

### Footnotes
- Diversions and uses that are pending approval are noted in red italics.
- Water users with a consumptive use entitlement - *Excess to Estimated Use* column indicates overrun/underrun of entitlement.
- Water users with a diversion entitlement - *Excess to Approved Diversion* column indicates overrun/underrun of entitlement.
ARIZONA ADJUSTED APPORTIONMENT CALCULATION

Arizona Basic Apportionment 2,800,000
Reduction for Tier 1 Shortage  3 320,000
Arizona DCP Contribution 4,5 192,000
Creation of Extraordinary Conservation ICS - GRIC (Estimated) 4,6 78,565
System Conservation Water - Pilot System Conservation Program 7 (500)
System Conservation Water - CRIT 8 (50,000)
System Conservation Water - CAP 9 (90,809)
System Conservation Water - CRIT 10.11 (4,685)
System Conservation Water - FMYN 10.12 (13,933)
System Conservation Water - GRIC 10.13 (58,837)
System Conservation Water - MVIDD 10.14 (9,592)
System Conservation Water - Reclamation (Estimated) 10.15 (11,392)
System Conservation Water - YMIDD 10.16 (8,544)
Delivery of ICS (CAWCD) up to 50,000
Total State Adjusted Apportionment 2,011,143
Excess to Total State Adjusted Apportionment 3,504
Estimated Allowable Use for CAP 955,113

NOTES: Click on Arizona Schedules and Approvals above for incoming diversion schedules and approvals.

1 Approved/forecasted values include up to 1,250 AF of diversion for domestic use pursuant to MVIDD’s Subcontract No. 09-101 with the Mohave County Water Authority.
2 In accordance with the Colorado River Water Conservation Letter Agreement 16-XX-30-W063, Revision No. 1 (Revised Letter Agreement) between Reclamation and the Central Arizona Water Conservation District (CAWCD), pumping above the Historical Average Baseline (31,129 AF), up to 32,000 AF per year, will remain in Lake Mead as Colorado River System water.
3 In accordance with Section XII.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the Lower Colorado River in 2022, resulting in a 320,000 AF reduction to the state of Arizona’s Colorado River basic apportionment.
4 In accordance with the Agreement Regarding Lower Basin Drought Contingency Operations (LBDCOps), the state of Arizona is required to make a DCP Contribution of 192,000 AF in 2022. In accordance with the Agreement Regarding Lower Basin Drought Contingency Plan Obligations, it is currently anticipated that the required DCP Contribution will be made by CAWCD through the simultaneous creation and conviction of Extraordinary Conservation ICS to DCP ICS and the creation of Non-ICS Water (reductions in consumptive use). CAWCD has an approved ICS Plan for the creation of up to 100,000 AF of EC ICS in 2022. The actual amount of EC ICS created by CAWCD and credited toward the DCP Contribution will be based on final accounting and verification.
5 When combined with the approved EC ICS creation amount for the Gila River Indian Community (GRIC), the total amount of EC ICS approved for creation in the state of Arizona in 2022 is 178,565 AF, which exceeds the state’s annual creation limit set forth in Section XII.G.3.B.4 of the 2007 Interim Guidelines. In accordance with Section XII.G.3.B.4 of the 2007 Interim Guidelines and Section IV.B of LBDCOps, the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2022 will be limited to 625,000 AF. Additionally, the total amount of EC ICS, Binational ICS and DCP ICS accumulated in Arizona’s ICS Accounts will be limited in accordance with Section IV.C. of LBDCOps.
6 CAP water being conserved by GRIC in 2022 to create EC ICS. The actual amount of EC ICS created by GRIC will be based on final accounting and verification.
7 The estimated amount of System Conservation Water that will be created by the City of Bullhead City pursuant to System Conservation Implementation Agreement (SCIA) No. 15-XX-30-W0587, as amended. This System Conservation Water will remain in Lake Mead to benefit system storage.
8 System Conservation Water to be created by CRIT pursuant to the Agreement Among the United States of America, Through the Department of the Interior, Bureau of Reclamation, the State of Arizona, Through the Arizona Department of Water Resources, the Central Arizona Water Conservation District, and the Colorado River Indian Tribes to Fund the Creation of Colorado River System Water Through Voluntary Water Conservation and Reductions in use During Calendar Years 2020-2022. This System Conservation Water will remain in Lake Mead to benefit system storage.
9 CAP water being conserved by certain CAP subcontractors pursuant to executed Compensated Conservation Agreements. Water conserved under these agreements will be left in Lake Mead for the benefit of system storage. In accordance with the Project Funding Agreement No. 1, the Bureau of Reclamation will contribute 15 percent of the funding and intends to apply 15 percent of the water conserved towards addressing the Secretary of the Interior’s commitment pursuant to Section 3.b of the Lower Basin Drought Contingency Plan Agreement (LB DCP Agreement).
10 In accordance with the applicable system conservation agreements and Section 3.b of the LB DCP Agreement, the Bureau of Reclamation intends to apply all or a portion of this water towards the Secretary of the Interior’s commitment to create or conserve 100,000 AF per annum or more of Colorado River System water to contribute to conservation of water supplies in Lake Mead and other Colorado River reservoirs in the Lower Basin.
11 System Conservation Water created by CRIT pursuant to SCIA No. 22-XX-30-W0729, which will remain in Lake Mead to benefit system storage.
12 CAP water being conserved by FMYN pursuant to SCIA No. 20-XX-30-W088, which will remain in Lake Mead to benefit system storage.
13 CAP water being conserved by GRIC pursuant to SCIA No. 22-XX-30-W0724 and SCIA No. 23-XX-30-W0748, which will remain in Lake Mead to benefit system storage.
14 System Conservation Water being created by MVIDD pursuant to SCIA No. 22-XX-30-W0725, which will remain in Lake Mead to benefit system storage.
15 System Conservation Water being created by additional pumping from the 242 Well Field Expansion pursuant to Letter Agreement No. 16-XX-30-W0603, Revision No. 1, which will remain in Lake Mead to benefit system storage.
16 System Conservation Water created by YMIDD Agreement No. 22-XX-30-W0728, which will remain in Lake Mead to benefit system storage.
LOWER COLORADO BASIN REGION
CY 2022

CALIFORNIA WATER USERS
Forecast end of year diversion/consumptive use
Forecast based on use to date and approved annual water orders
California Schedules and Approvals
Historic Use Records (Water Accounting Reports)

NOTE: Click on California Schedules and Approvals above for incoming diversion schedules and approvals.

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Fort Mojave Indian Reservation, CA
6,731 6,758 8,996... 12,512 12,562 16,720 -4,158
Perris No. 30 (Stephens) 23 23 23... 42 42 42 0
Perris No. 38 (Andera) 23 23 23... 42 42 42 0
City of Needles (includes LCWSP use) 1,267 1,276 1,605 -329 2,089 2,101 2,261 -160
Chermehuevi Indian Reservation 182 183 183... 11,295 11,340 11,340 0
Metropolitan Water District of Southern California 1,119,177 1,129,411... 11,112,806 1,132,064 0
Colorado River Indian Reservation, CA 4994 5,014 5,014... 8,274 8,307 8,307 0
Palo Verde Irrigation District 333,868 333,736 420,696... 781,990 784,893 857,000 -72,107
Lake Enterprises 1 1 1... 1 1 1 0
Yuma Project Reservation Division 40,443 40,595 49,577... 82,537 83,022 98,635 -15,613
Yuma Project Reservation Division - Bard Unit... 38,774 39,016 51,500 -12,484
Yuma Project Reservation Division - Indian Unit 43,763 44,006 47,135 -3,129
Fort Yuma Indian Reservation - Ranch S (Surface Delivery) 1,066 1,071 1,194... 1,927 1,936 2,160 -224
Fort Yuma Indian Reservation - Other Ranches (Pumpers) 1,135 1,139 1,139... 2,051 2,059 2,059 0
Yuma Island Pumpers 1,623 1,629 1,629... 2,935 2,947 2,947 0
Imperial Irrigation District 1 2,562,151 2,572,180 2,620,300 -48,120 2,610,915 2,621,985 2,719,536 0
Coachella Valley Water District 320,869 321,611 384,000 -51,389 350,212 352,145 398,950 0
Other LCWSP Contractors 561 563 563... 903 907 907 0
City of Winterhaven 61 61 61... 88 88 88 0

Total California 4,404,175 4,426,274 4,628,379 4,989,619 5,016,441 5,257,934

Excess to Total State Adjusted Apportionment 77,219

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CALIFORNIA ADJUSTED APPORTIONMENT CALCULATION
California Basic Apportionment 4,400,000
System Conservation Water - Pilot System Conservation Program 2 145
System Conservation Water - PVID Fallowing Program 1 50,800
Creation of Extraordinary Conservation ICS by IID - Stored in Lake Mead (Estimated) 1 0
Creation of Extraordinary Conservation ICS by MWD (Estimated) 2 0
Total State Adjusted Apportionment 4,494,095

Excess to Total State Adjusted Apportionment 77,219

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Estimated Allowable Use for MWD 1,052,192

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1 As shown here, IID’s Approved Diversion and Estimated Use values reflect the maximum amount of Colorado River water available to IID in 2022. Note: This forecast may be updated to reflect up to 25,000 AF of water conserved and stored by IID pursuant to the IID-MWD Settlement and Release Agreement dated September 16, 2021.

2 System Conservation Water to be conserved by the City of Needles pursuant to System Conservation Implementation Agreement No. 15-XX-30-W0596, executed under the Pilot System Conservation Program. This water will remain in Lake Mead to benefit system storage.

3 The estimated amount of System Conservation Water that will be created pursuant to Funding Agreement No. 21-XX-30-W0714 (Funding Agreement). This System Conservation Water will remain in Lake Mead to benefit system storage. In accordance with the Funding Agreement, the Bureau of Reclamation intends to apply 50 percent this water towards the Secretary of the Interior’s commitment to create or conserve 100,000 AF or more per annum of System Conservation Water pursuant to Section 3b of the Lower Basin Drought Contingency Plan Agreement.

4 MWD has an approved ICS Plan for the creation of up to 450,000 AF of EC ICS in 2022. The actual amount of EC ICS created by MWD in 2022 will be based on final accounting and verification, and will be limited to the amount that, when combined with the amount of EC ICS created by IID, does not exceed the maximum EC ICS creation capacity available to the state of California. In accordance with Section X.G.3.B.4 and Section IV.B of Lower Basin Drought Contingency Operations (LBDCOs), the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2022 will be limited to 625,000 AF. Additionally, the total amount of EC ICS, Binational ICS and DCP ICS accumulated in California’s ICS Accounts will be limited in accordance with Section IV.C. of LBDCOs.
LOWER COLORADO BASIN REGION
NEVADA WATER USERS
Forecast end of year diversion/consumptive use
Forecast based on use to date and approved annual water orders
Nevada Schedules and Approvals
Historic Use Records (Water Accounting Reports)

<table>
<thead>
<tr>
<th>WATER USER</th>
<th>Use To Date</th>
<th>Forecast Use</th>
<th>Excess to Estimated Use</th>
<th>Diversion To Date</th>
<th>Forecast Diversion</th>
<th>Excess to Approved Diversion</th>
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<tr>
<td>Robert B. Griffith Water Project (SNWS)</td>
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<td>445,769</td>
<td>448,225</td>
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<td>Lake Mead NRA, NV - Diversions from Lake Mead</td>
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<td>509</td>
<td>1,500</td>
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<td>499</td>
<td>509</td>
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<tr>
<td>Lake Mead NRA, NV - Diversions from Lake Mohave</td>
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<td>500</td>
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Tributary Conservation (TC) Intentionally Created Surplus (ICS)
Southern Nevada Water Authority (SNWA) Creation of TC ICS (Approved) 1

NEVADA ADJUSTED APPORTIONMENT CALCULATION

1 SNWA has an approved ICS Plan for the creation of up to 43,000 AF of TC ICS in 2022. The actual amount of TC ICS created by SNWA in 2022 will be based on final accounting and verification.

2 In accordance with Section XI.G.2.D.1.a of the 2007 Interim Guidelines, a Tier 1 Shortage Condition will govern the operation of Lake Mead and the Lower Colorado River in 2022, resulting in a 13,000 AF reduction to the state of Nevada’s Colorado River basic apportionment.

3 SNWA has an approved ICS Plan for the creation of up to 100,000 AF of Extraordinary Conservation (EC) ICS in 2022. The actual amount of EC ICS created by SNWA in 2022 will be based on final accounting and verification. In accordance with Section XI.G.3.B.4 of the 2007 Interim Guidelines and Section IV.B of Lower Basin Drought Contingency Operations (LBOps), the total amount of EC ICS that may be created by the states of Arizona, California, and Nevada in 2022 will be limited to 625,000 AF. Additionally, the total amount of EC ICS, Binational ICS and DCP ICS accumulated in Nevada’s ICS Accounts will be limited in accordance with Section IV.C of LBOps.

NOTES: Click on Nevada Schedules and Approvals above for incoming diversion schedules and approvals.