

COLORADO RIVER FORECAST SYSTEM: FALL 2018 MEETING

LOWER BASIN HYDROLOGY UPDATE

Current Conditions as of November 13, 2018

- Lake Mead: 1,079.39 feet 9.96 maf (38%)
- Lake Mohave: 637.95 feet 1.56 maf (86%)
- Lake Havasu: 448.05 feet 0.58 maf (94%)
- Total System: 27.53 maf (46%)
- Total System (Last Year): 32.50 maf (55%)

Lower Basin Intervening Flows

Glen to Hoover

- 2013 – 2017 Five Year Average: 796 kaf
 - EOWY Observed: 692 kaf (-104 kaf/87%)
 - EOCY Projection: 776 kaf (-20 kaf/97%)

Lake Mead Operations – Calendar Year 2018

- The August 2017 24-Month Study projected Lake Mead's **January 1, 2018** elevation to be 1,083.5 feet.
 - Lake Mead's operating condition determination for calendar year 2018 is documented in the 2018 Annual Operating Plan, online at: <https://www.usbr.gov/lc/region/g4000/aop/AOP18.pdf>.
- In calendar year 2018, Lake Mead is operating in the Normal/ICS Surplus Condition, with full water deliveries to U.S. Lower Basin water users (7.5 maf) and Mexico (1.5 maf), plus or minus any delivery or creation of U.S. ICS, water from/for Mexico's Water Reserve, or reductions in projected water deliveries resulting from system conservation agreements or other voluntary measures.
- Based on the November 2018 24-Month Study, Lake Mead is projected to end calendar year 2018 at elevation 1,081.25 feet with 10.12 maf (39%) in storage.

Lake Mead Operations – Calendar Year 2019

- The August 2018 24-Month Study projected Lake Mead's **January 1, 2019** elevation to be 1,079.50 feet.
 - Lake Mead's operating condition determination for calendar year 2019 is documented in the draft 2019 Annual Operating Plan which is in the final stages of development, online at: https://www.usbr.gov/lc/region/g4000/AOP2019/AOP19_draft.pdf.
- In calendar year 2019, Lake Mead is operating in the Normal/ICS Surplus Condition, with full water deliveries to U.S. Lower Basin water users (7.5 maf) and Mexico (1.5 maf), plus or minus any delivery or creation of U.S. ICS, water from/for Mexico's Water Reserve, or reductions in projected water deliveries resulting from system conservation agreements or other voluntary measures.
- Based on the November 2018 24-Month Study, Lake Mead is projected to end calendar year 2019 at elevation 1,070.10 feet with 9.21 maf (35%) in storage.
- Based on analysis conducted in August 2018, Reclamation's hydrologic models show a 57 percent chance of a Lower Basin Level 1 Shortage Condition in 2020.
 - The August 2018 CRSS results are available online: <https://www.usbr.gov/lc/region/g4000/riverops/crss-5year-projections.html>

Lake Mead End of Month Elevations

Projections from the October and November 2018 24-Month Study Inflow Scenarios

