

Hydrology Report – August 2025

Upper Basin Hydrology

- In July, the upper basin received 51% of average precipitation bringing the cumulative precipitation to 80% for the year.
- Temperatures in July were 3 to 5 degrees above average in some areas within the upper basin.
- Snowpack peaked on March 23, with 91% of the median.
- The Basin Forecast Center is estimating Lake Powell inflow for water year 2025 at 4.8 million acre-feet or 50% of average.

Current reservoir status

- As of August 10, 2025, Lake Mead is at an elevation of **1,054.3** feet and has about 8.0 million acre-feet in storage (31% capacity).
- As of August 10, 2025, Lake Powell is at an elevation of 3,553.1 feet and has about 7.4 million acre-feet in storage (32% capacity).
- Total system storage for the upper and lower basins is around 22.7 million acre-feet (39% capacity).

2025 reservoir operations

- Lake Powell will be operated in the Mid-Elevation Release Tier with a release of 7.48 million acre-feet in water year 2025.
- Lake Mead will operate in a Level 1 Shortage Condition in calendar year 2025.
- Accordingly, in 2025, Nevada’s consumptive use will be reduced by 13,000 acre-feet under the 2007 Interim Guidelines and Nevada will make a Drought Contingency Plan contribution of 8,000 acre-feet.
- Arizona and Mexico are also required to take shortage and make a water savings contribution in 2025. Those amounts are significantly larger than Nevada’s obligations.
- The total combined volumes for Arizona, Nevada, and Mexico are 613,000 acre-feet in calendar year 2025, which will save the equivalent of about 8 feet in elevation in Lake Mead.

Water Use in Southern Nevada ¹

- Southern Nevada’s consumptive use for January-June of 2025 was 92,402 acre-feet.

Reclamation’s Lake Mead and Lake Powell Projections ²

- Reclamation uses computer models to forecast reservoir elevations based on planned water use and anticipated runoff. The July 24-Month Study forecasts Lake Mead to be between 1,055.8 and 1,055.5 feet in elevation by the end of 2025.
- Reclamations July 24-Month Study is forecasting Lake Powell’s elevation to be between 3,540.7 and 3,535.3 feet by the end of 2025.

¹ 2025 consumptive use data is preliminary.

² Reclamation modeling assumes the current operational guidelines and planned conservation activities.

Colorado River Commission of Nevada

Hydrology Update

Warren Turkett

August 12, 2025

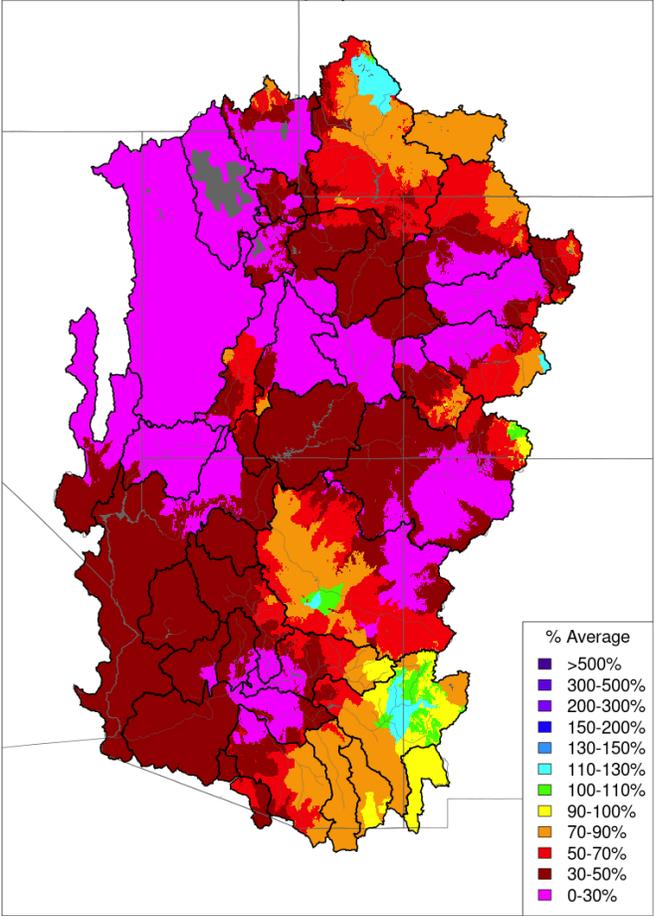


Precipitation and Temperature



Monthly Precipitation - July 2025

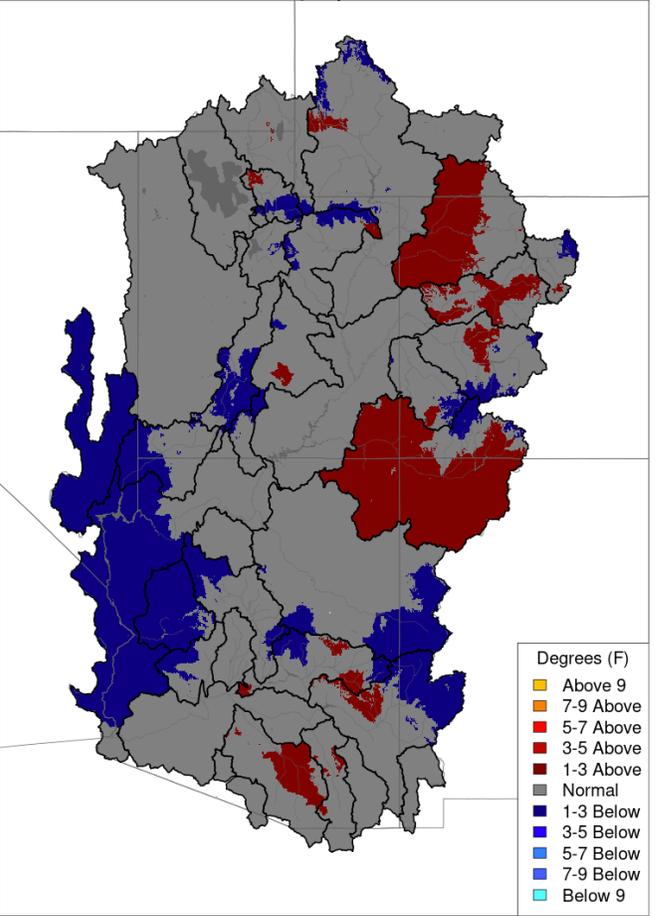
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbafc.noaa.gov

Max Temp - Monthly Deviation - July 2025

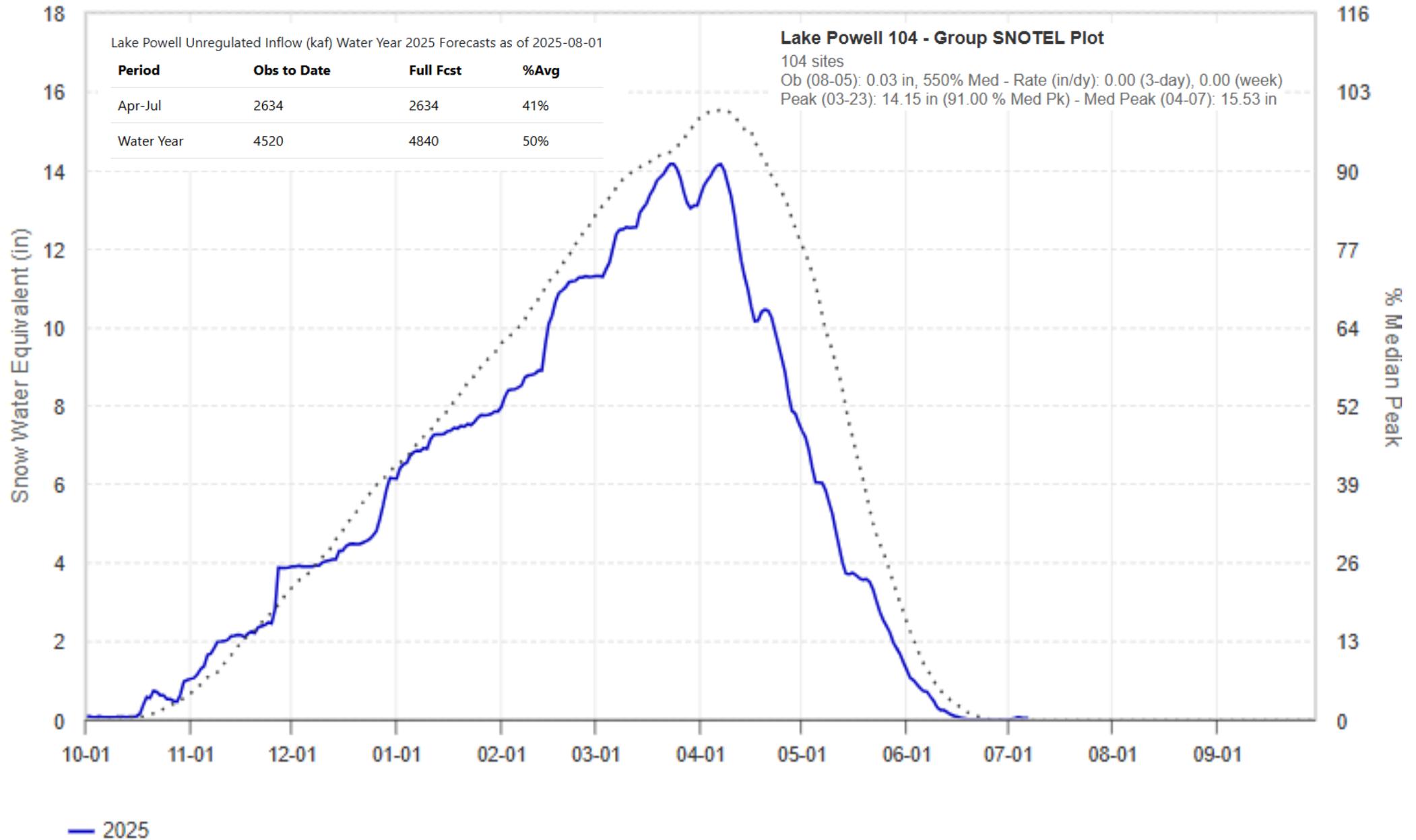
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
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Area	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Water Year
UC-Powell	111	114	65	60	97	99	59	61	68	51	80

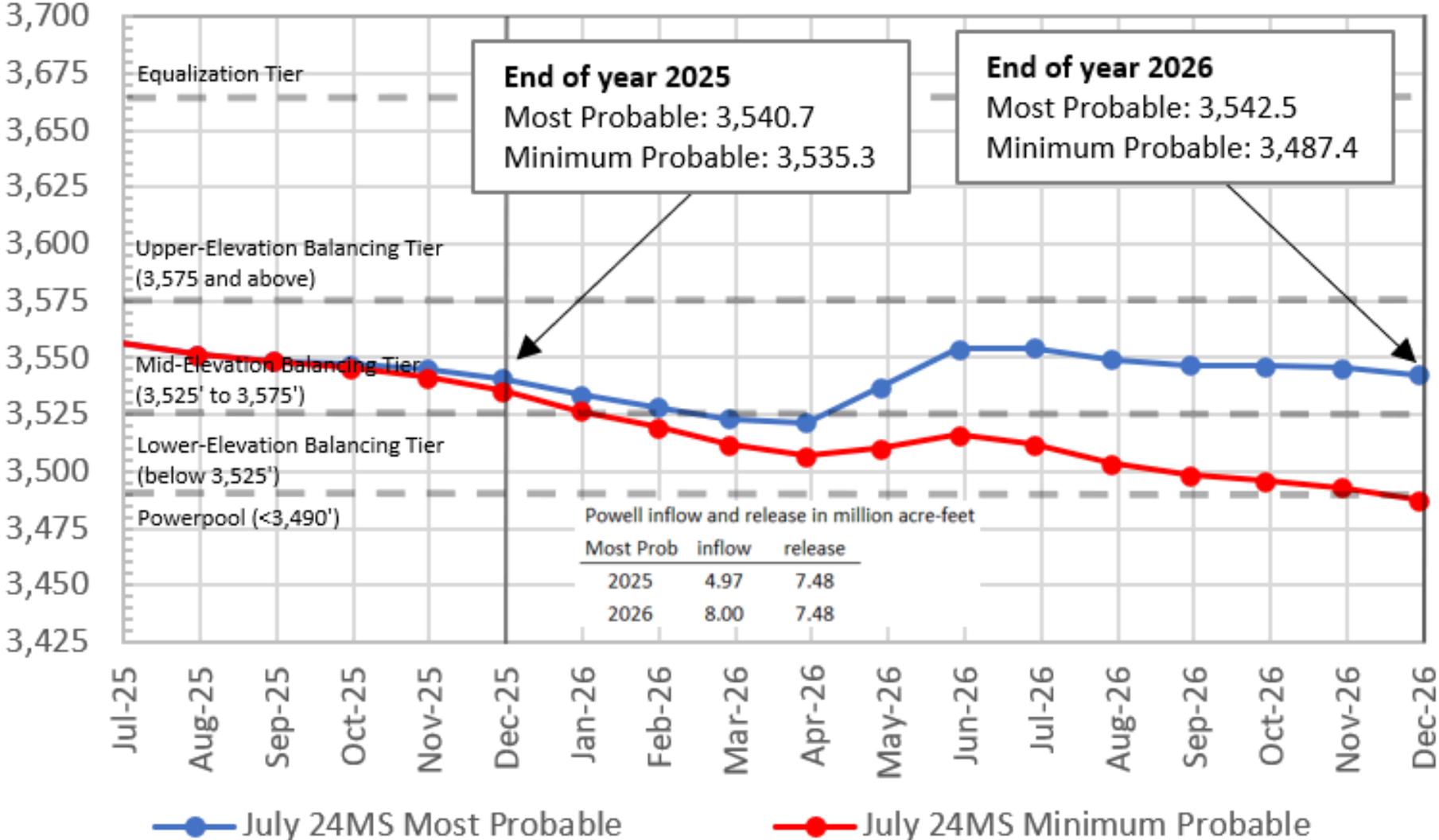
Snowpack





Lake Powell End-of-Month Elevations

July 2025 24 Month Study

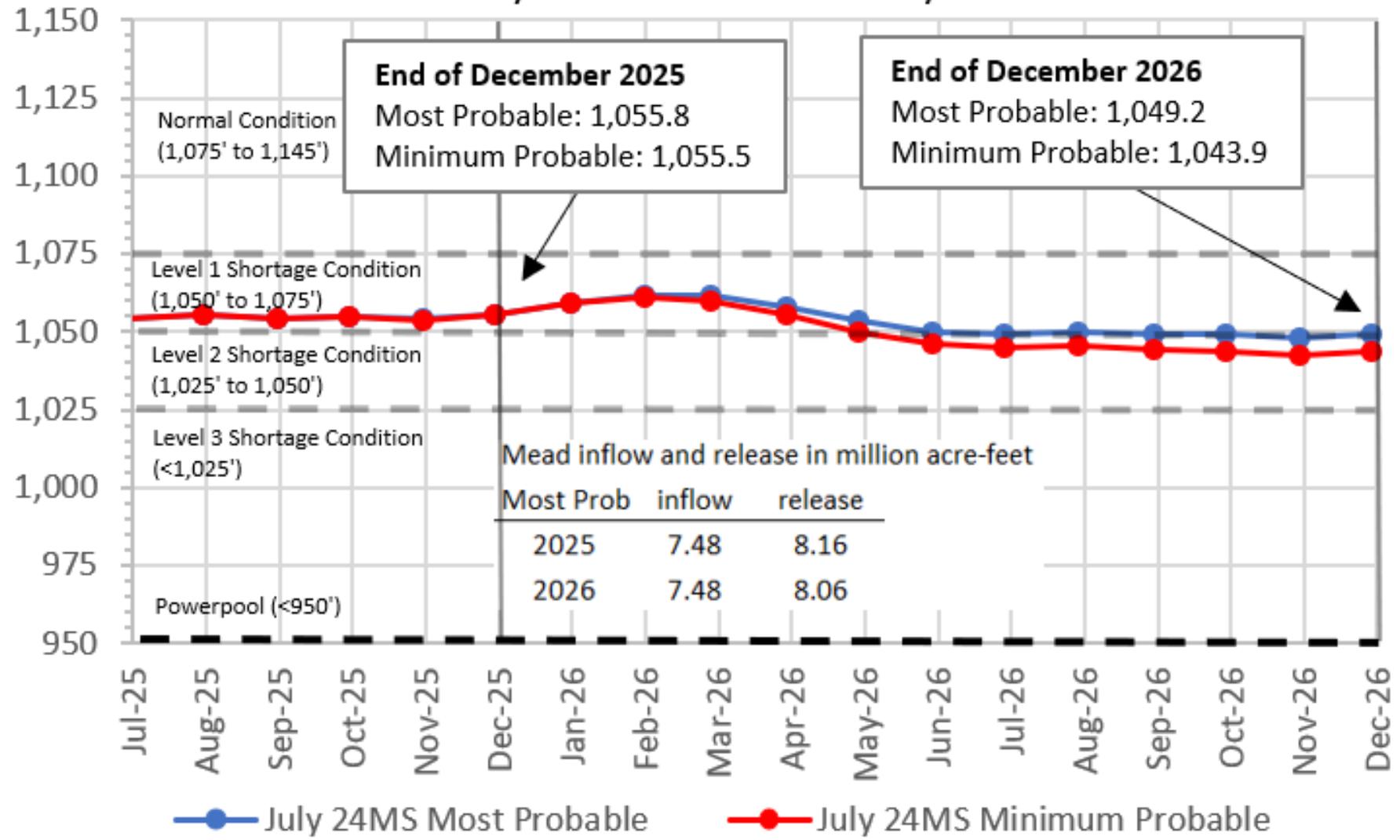


August 10, 2025 elevation: 3,553.1 feet



Lake Mead End-of-Month Elevations

July 2025 24 Month Study



August 10, 2025 elevation: 1,054.3 feet

Water Use In Southern Nevada

2025 January-June Southern Nevada Water Use¹

Acre-Feet

Nevada Annual Allocation	300,000
Drought Contingency Plan contribution	-8,000
Interim Guidelines Shortages	-13,000
Diversions	214,513
Return Flow Credits	122,111
Consumptive Use	92,402

¹ 2025 Consumptive use data is preliminary.