

Hydrology Report – April 2025

Upper Basin Hydrology

- In March, the upper basin received 99% of average precipitation bringing the cumulative precipitation to 91% for the year.
- Temperatures in the upper basin in March were 3 to 5 degrees F above normal in some areas.
- Snowpack accumulation is currently at 91% (as of 4/7/2025).
- The Basin Forecast Center is estimating Lake Powell inflow for water year 2025 at 6.8 million acre-feet or 71% of average.

Current reservoir status

- As of April 6, 2025, Lake Mead is at an elevation of **1,065.57** feet and has about 8.9 million acre-feet in storage (34% capacity).
- As of April 6, 2025, Lake Powell is at an elevation of 3,558.99 feet and has about 7.7 million acre-feet in storage (33% capacity).
- Total system storage for the upper and lower basin is around 23.8 million acre-feet (41% 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-February of 2025 was 18,125 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 March 24-Month Study forecasts Lake Mead to be between 1,057.5 and 1,053.3 feet in elevation by the end of 2025.
- Reclamations March 24-Month Study is forecasting Lake Powell's elevation to be between 3,561.2 and 3,547.7 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 and River Updates

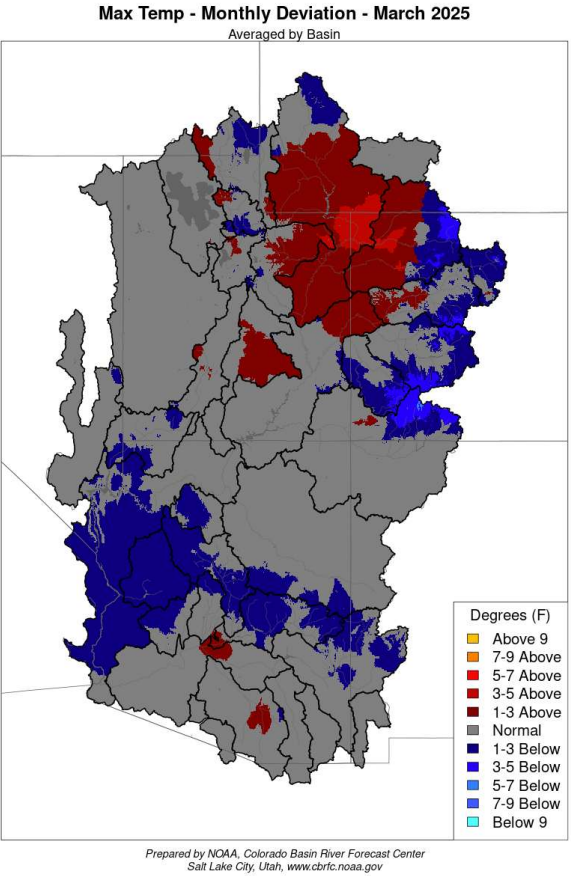
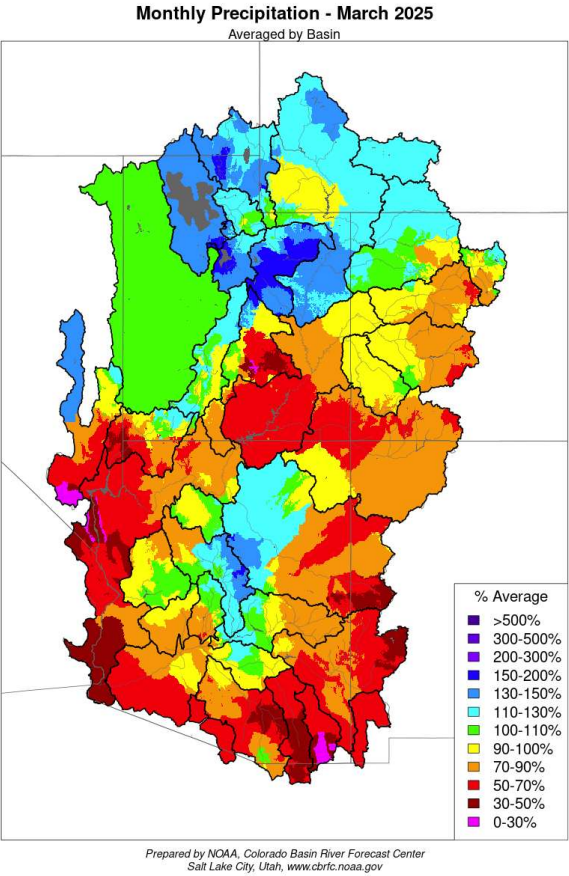
Warren Turkett

April 8, 2025





Precipitation and Temperature

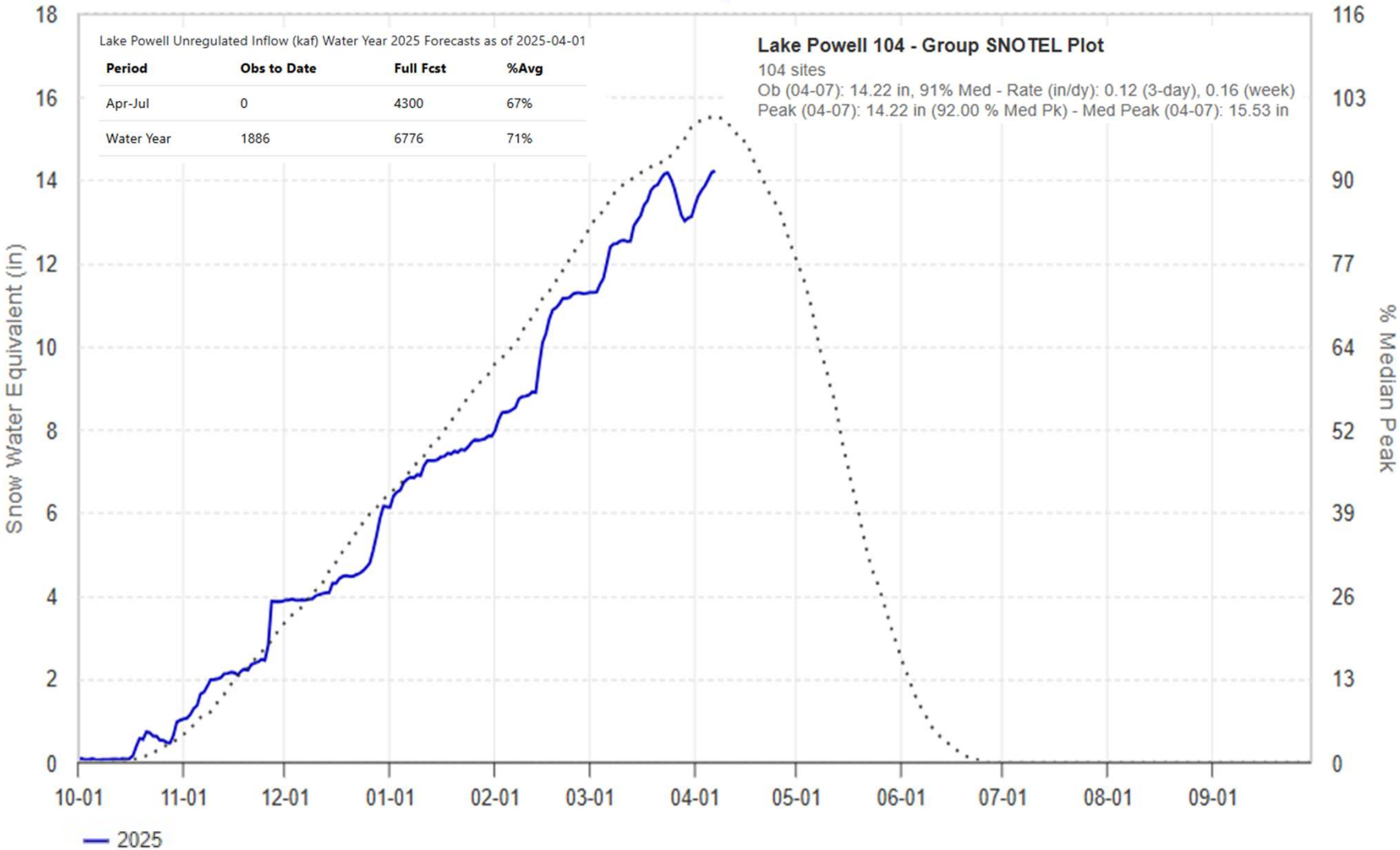


Lake Powell %Average Precipitation Water Year 2025

Area	Oct	Nov	Dec	Jan	Feb	Mar	Water Year
UC-Powell	111	114	65	60	97	99	91

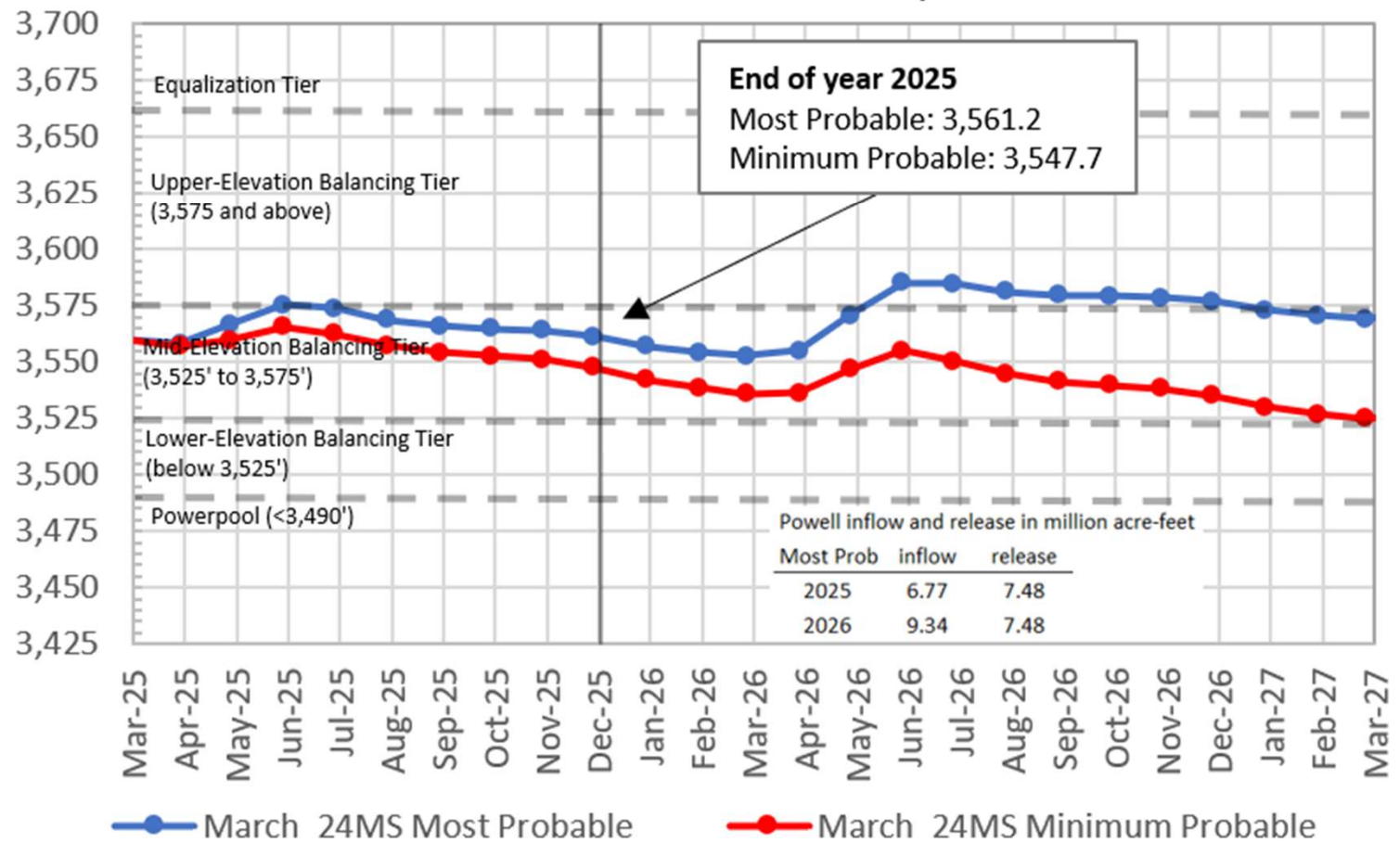


Snowpack





Lake Powell End-of-Month Elevations March 2025 24 Month Study

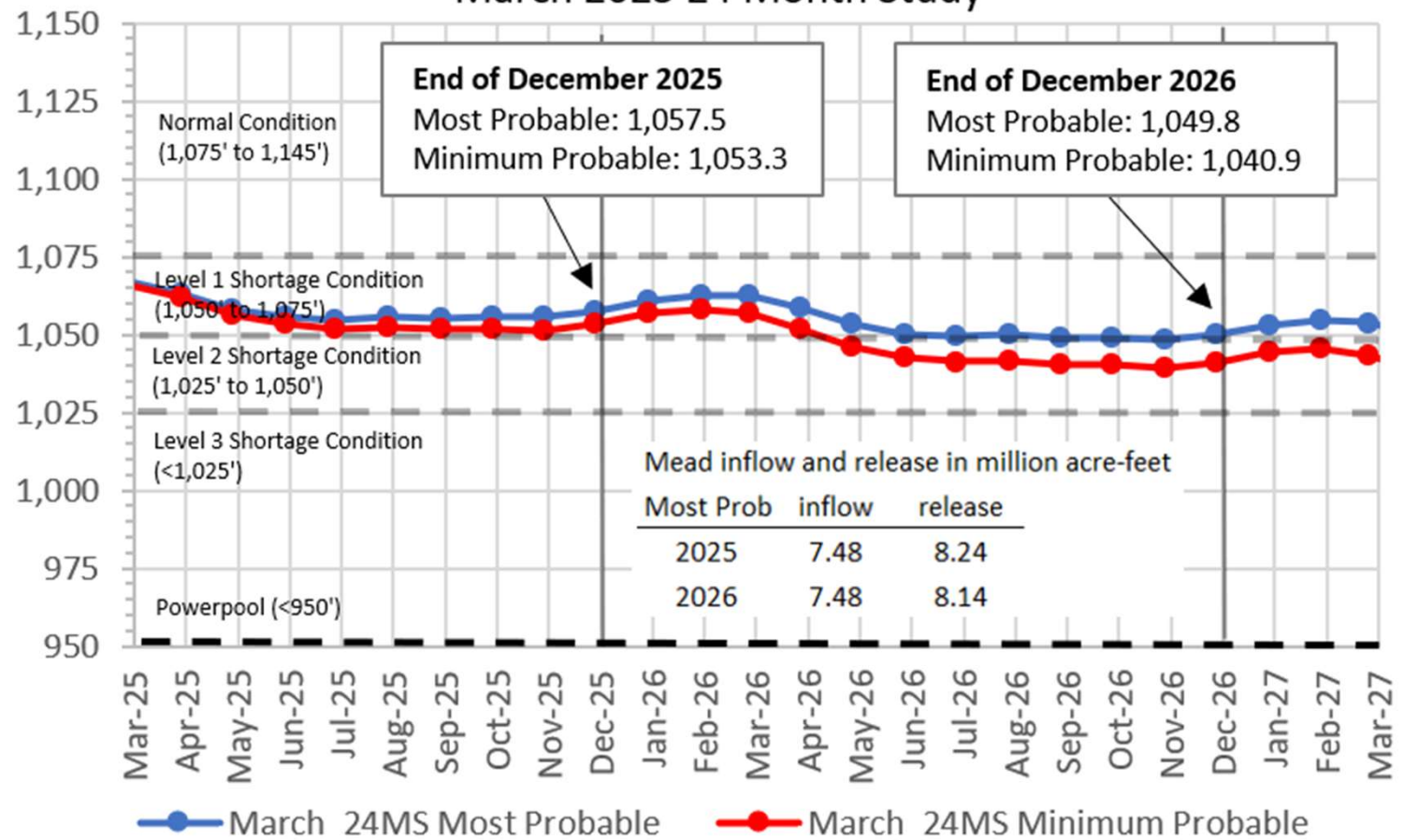


April 6, 2025 elevation: 3,558.99 feet



Lake Mead End-of-Month Elevations

March 2025 24 Month Study



April 6, 2025 elevation: 1,065.57 feet



Water Use In Southern Nevada

2025 January-February Southern Nevada Water Use¹

Acre-Feet

Nevada Annual Allocation	300,000
Drought Contingency Plan contribution	-8,000
Interim Guidelines Shortages	-13,000
Diversions	57,970
Return Flow Credits	39,845
Consumptive Use	18,125

¹ 2025 Consumptive use data is preliminary.