

## Hydrology Report – March 2025

### Upper Basin Hydrology

- In February, the upper basin received 97% of average precipitation bringing the cumulative precipitation to 89% for the year.
- Temperatures in the upper basin in January were 3 to 7 degrees F above normal.
- Snowpack accumulation is currently at 90% (as of 3/11/2025).
- The Basin Forecast Center is estimating Lake Powell inflow for water year 2025 at 6.8 million acre-feet or 70% of average.

### Current reservoir status

- As of March 10, 2025, Lake Mead is at an elevation of **1,068.0** feet and has about 9.0 million acre-feet in storage (35% capacity).
- As of March 10, 2025, Lake Powell is at an elevation of 3,561.6 feet and has about 7.9 million acre-feet in storage (34% capacity).
- Total system storage for the upper and lower basin is around 24.1 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 <sup>1</sup>

- Southern Nevada's consumptive use for January of 2025 was 9,767 acre-feet.

### Reclamation's Lake Mead and Lake Powell Projections <sup>2</sup>

- Reclamation uses computer models to forecast reservoir elevations based on planned water use and anticipated runoff. The February 24-Month Study forecasts Lake Mead to be between 1,056.9 and 1,053.2 feet in elevation by the end of 2025.
- Reclamations January 24-Month Study is forecasting Lake Powell's elevation to be between 3,561.0 and 3,545.7 feet by the end of 2025.

<sup>1</sup> 2025 consumptive use data is preliminary.

<sup>2</sup> Reclamation modeling assumes the current operational guidelines and planned conservation activities.

# Colorado River Commission of Nevada

## Hydrology and River Updates

Warren Turkett

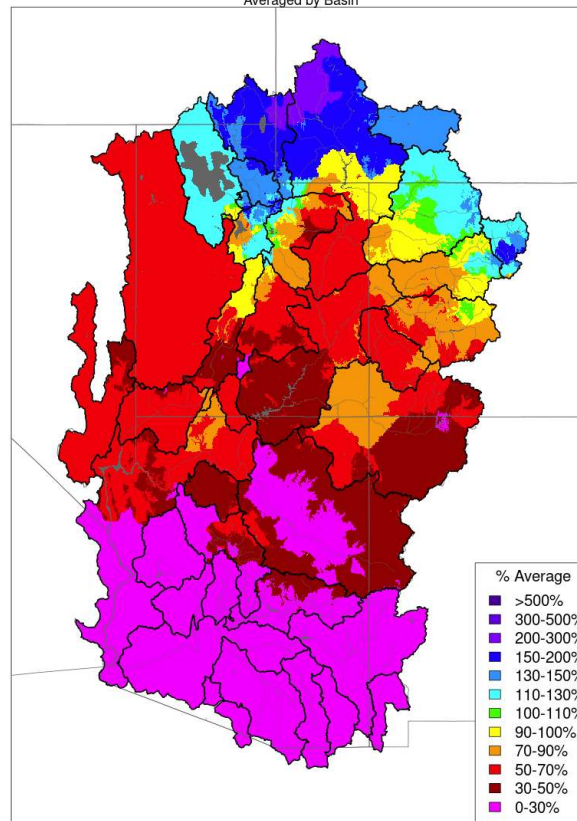
March 11, 2025





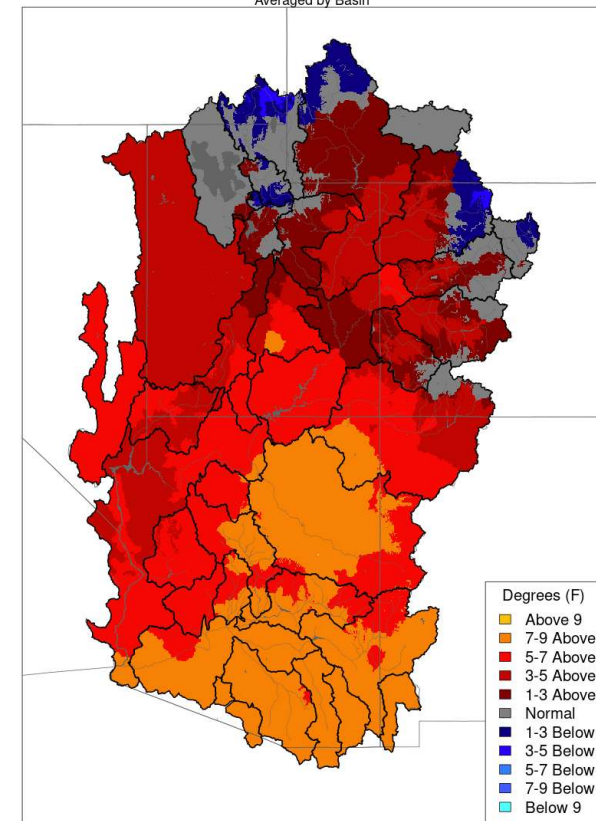
# Precipitation and Temperature

**Monthly Precipitation - February 2025**  
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

**Max Temp - Monthly Deviation - February 2025**  
Averaged by Basin



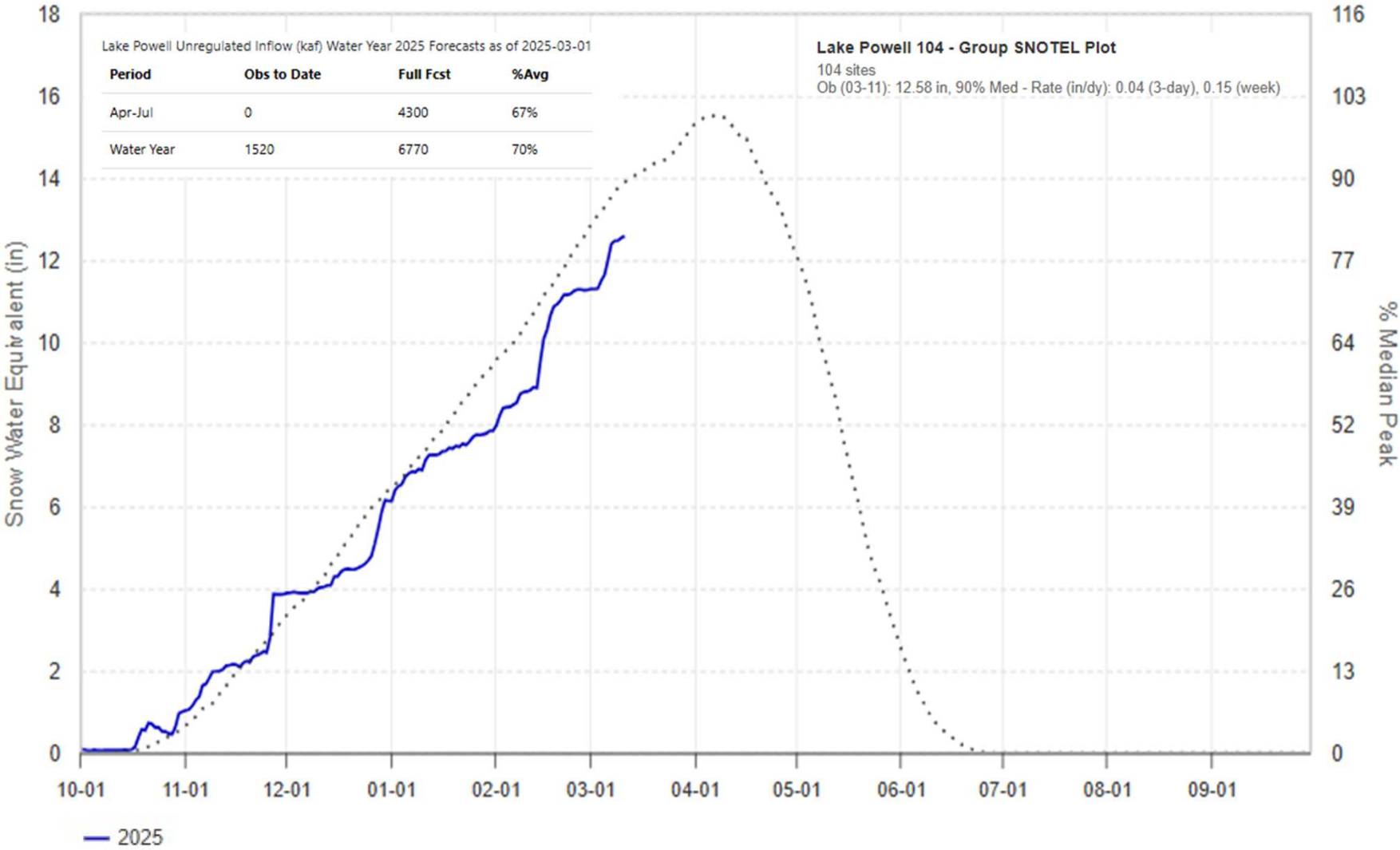
Prepared by NOAA, Colorado Basin River Forecast Center  
Salt Lake City, Utah, [www.cbrfc.noaa.gov](http://www.cbrfc.noaa.gov)

**Lake Powell %Average Precipitation Water Year 2025**

Area	Oct	Nov	Dec	Jan	Feb	Water Year
UC-Powell	111	114	65	60	97	89



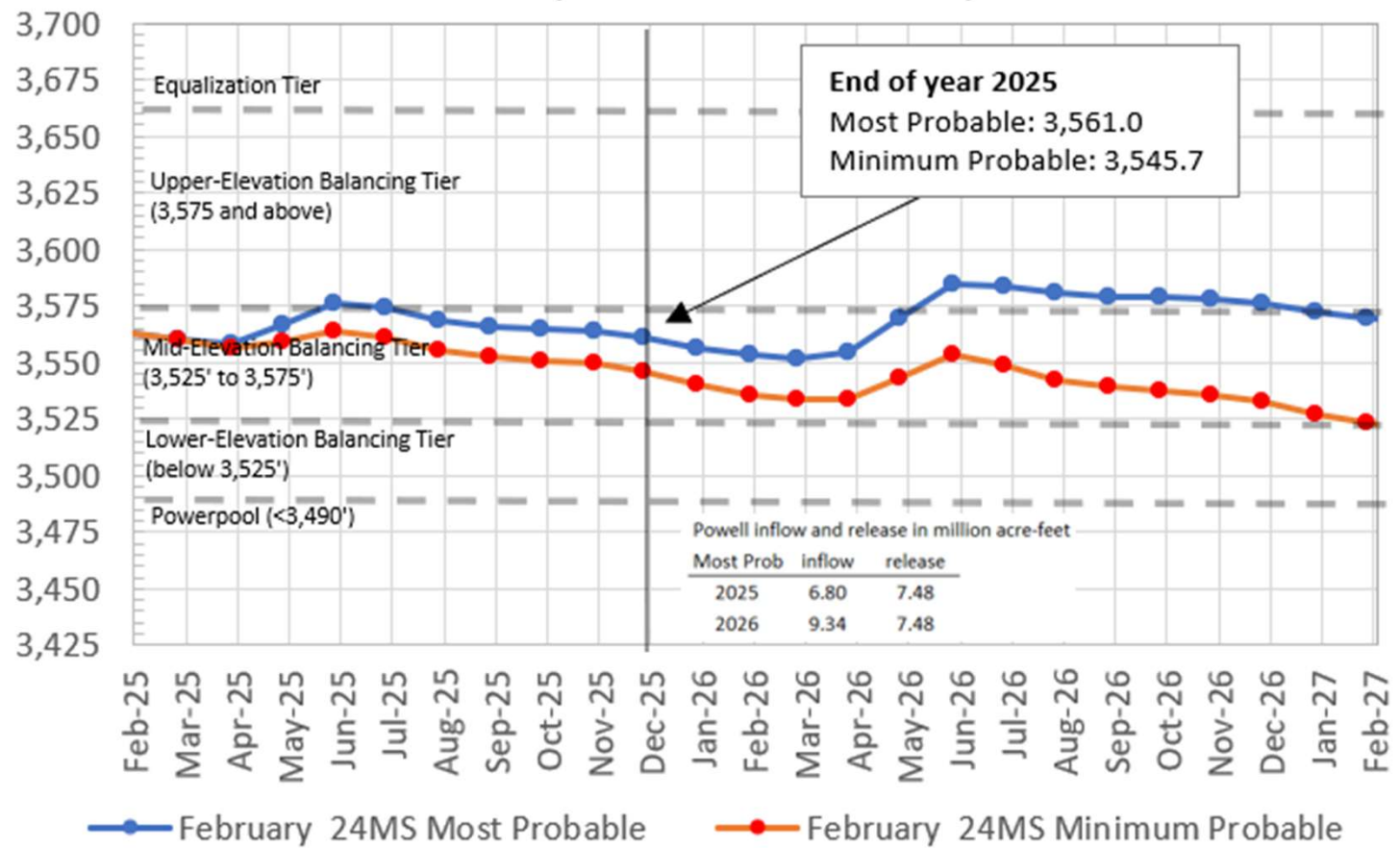
# Snowpack







## Lake Powell End-of-Month Elevations February 2025 24 Month Study

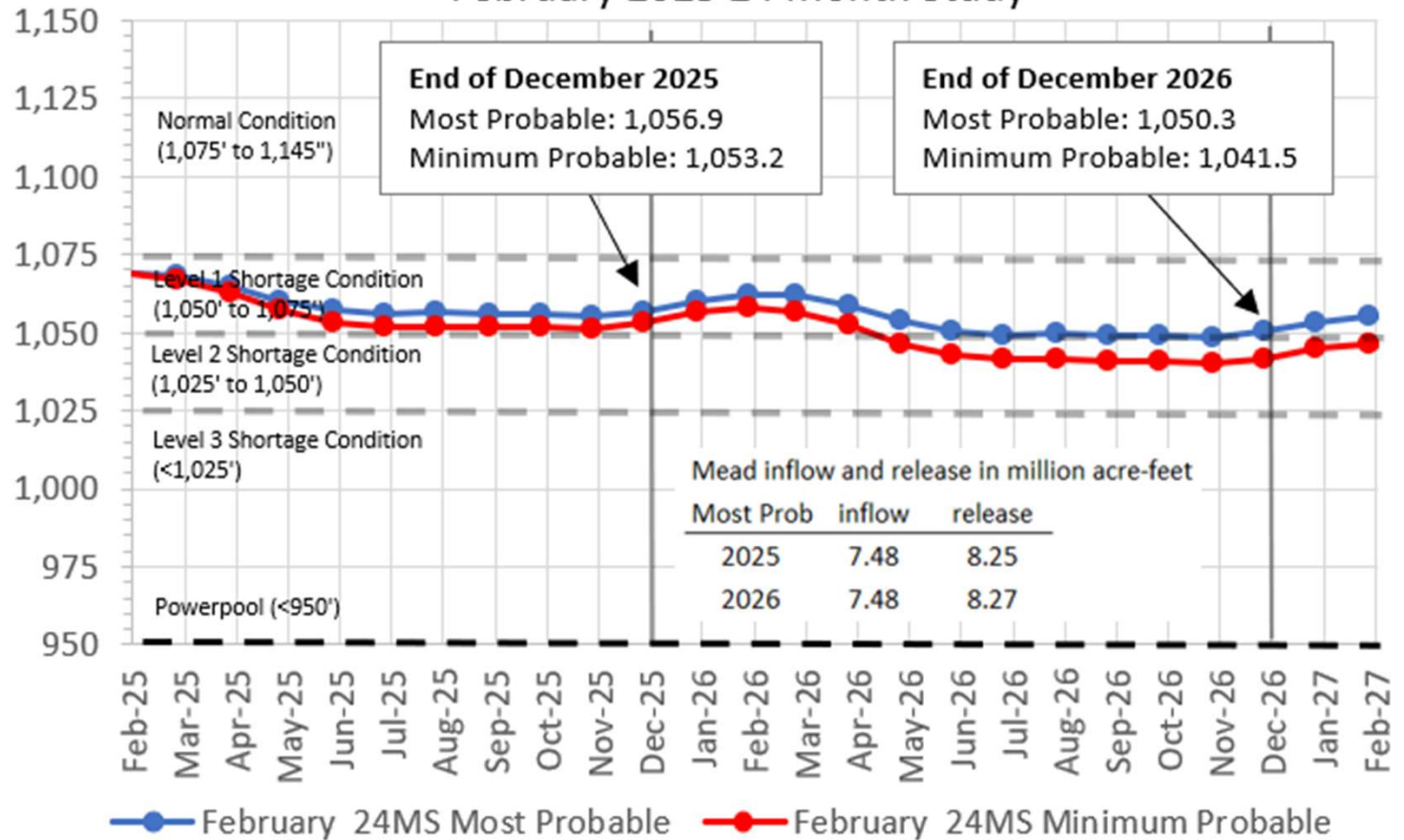


March 10, 2025 elevation: 3,561.6 feet



# Lake Mead End-of-Month Elevations

## February 2025 24 Month Study



March 10, 2025 elevation: 1,068.0 feet



# Water Use In Southern Nevada

## 2025 January Southern Nevada Water Use<sup>1</sup>

## Acre-Feet

Nevada Annual Allocation	300,000
Drought Contingency Plan contribution	-8,000
Interim Guidelines Shortages	-13,000
Diversions	30,445
Return Flow Credits	20,679
Consumptive Use	9,767

<sup>1</sup> 2025 Consumptive use data is preliminary.