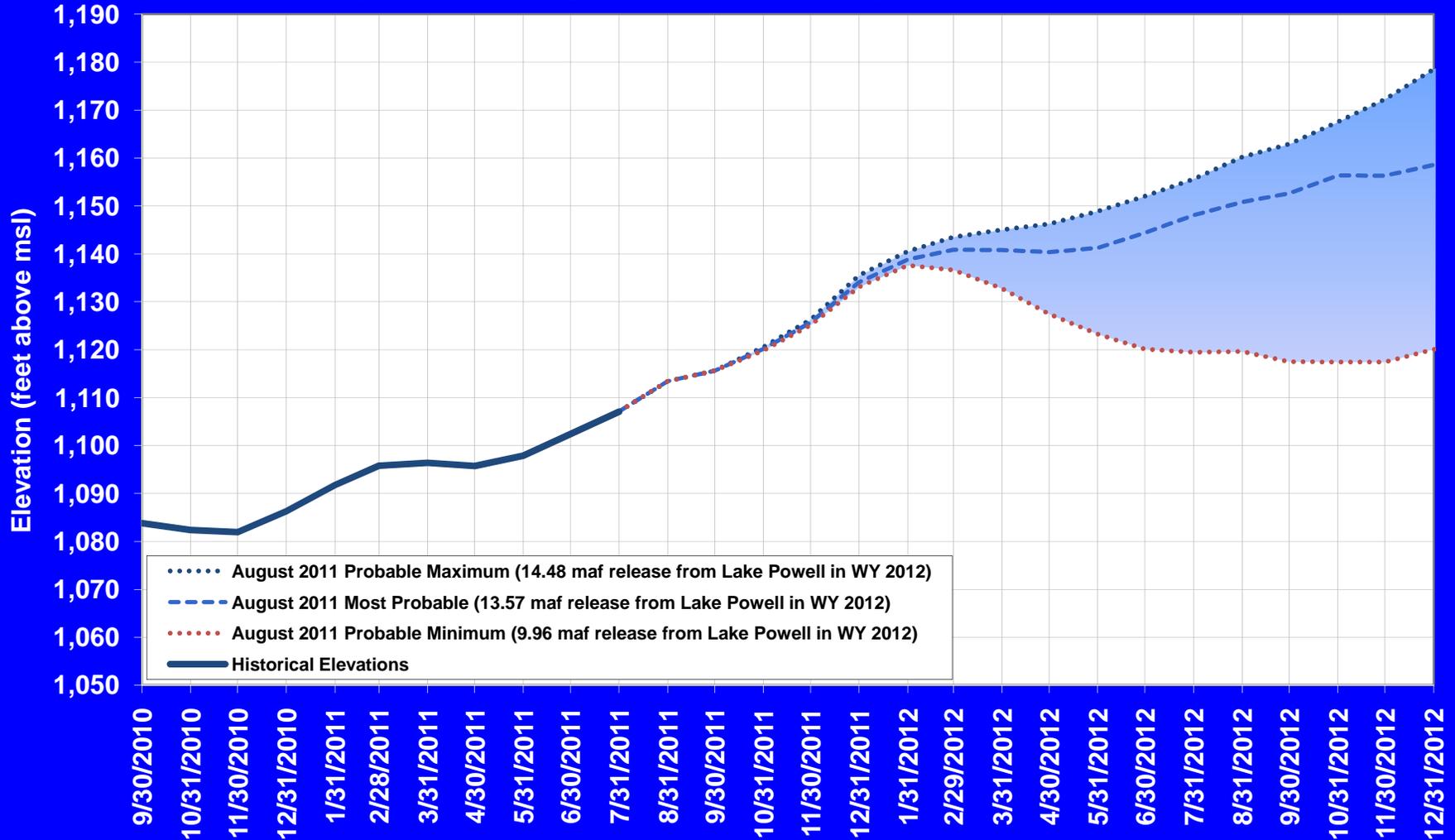


# Lake Mead End of Month Elevation

Projections from August 2011 24-Month Study Inflow Scenarios for 2012\*



\* See attached page for an explanation of the three hydrologic scenarios displayed in this chart and discussions on how the projected water year 2012 release volumes from Lake Powell were determined.

## **August 2011 24-Month Study Projections Lake Mead End of Month Elevation Chart**



### Explanation of Hydrologic Scenarios

In addition to the August 2011 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios in water year 2012. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded only 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. There are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

### August 2011 Probable Minimum Inflow Scenario

In this 24-month study, the August 2011 Probable Minimum inflow scenario projects Lake Powell's elevation on January 1, 2012, to be above the 2012 Equalization level of 3,645 feet. Consistent with the Interim Guidelines, the Probable Minimum inflow scenario projects Lake Powell's operations to be governed by the Equalization Tier in water year 2012, resulting in a projected annual release volume of 9.96 maf from Glen Canyon Dam.

### August 2011 Most Probable Inflow Scenario

The August 2011 Most Probable 24-Month Study based on the Most Probable inflow scenario projects Lake Powell's elevation on January 1, 2012, to be above the 2012 Equalization level of 3,645 feet. Consistent with the Interim Guidelines, the Most Probable inflow scenario projects Lake Powell's operations to be governed by the Equalization Tier in water year 2012, resulting in a projected annual release volume of 13.57 maf from Glen Canyon Dam.

### August 2011 Probable Maximum Inflow Scenario

In this 24-month study, the August 2011 Probable Maximum inflow scenario projects Lake Powell's elevation on January 1, 2012, to be above the 2012 Equalization level of 3,645 feet. Consistent with the Interim Guidelines, the Probable Maximum inflow scenario projects Lake Powell's operations to be governed by the Equalization Tier in water year 2012, resulting in a projected annual release volume of 14.48 maf from Glen Canyon Dam.