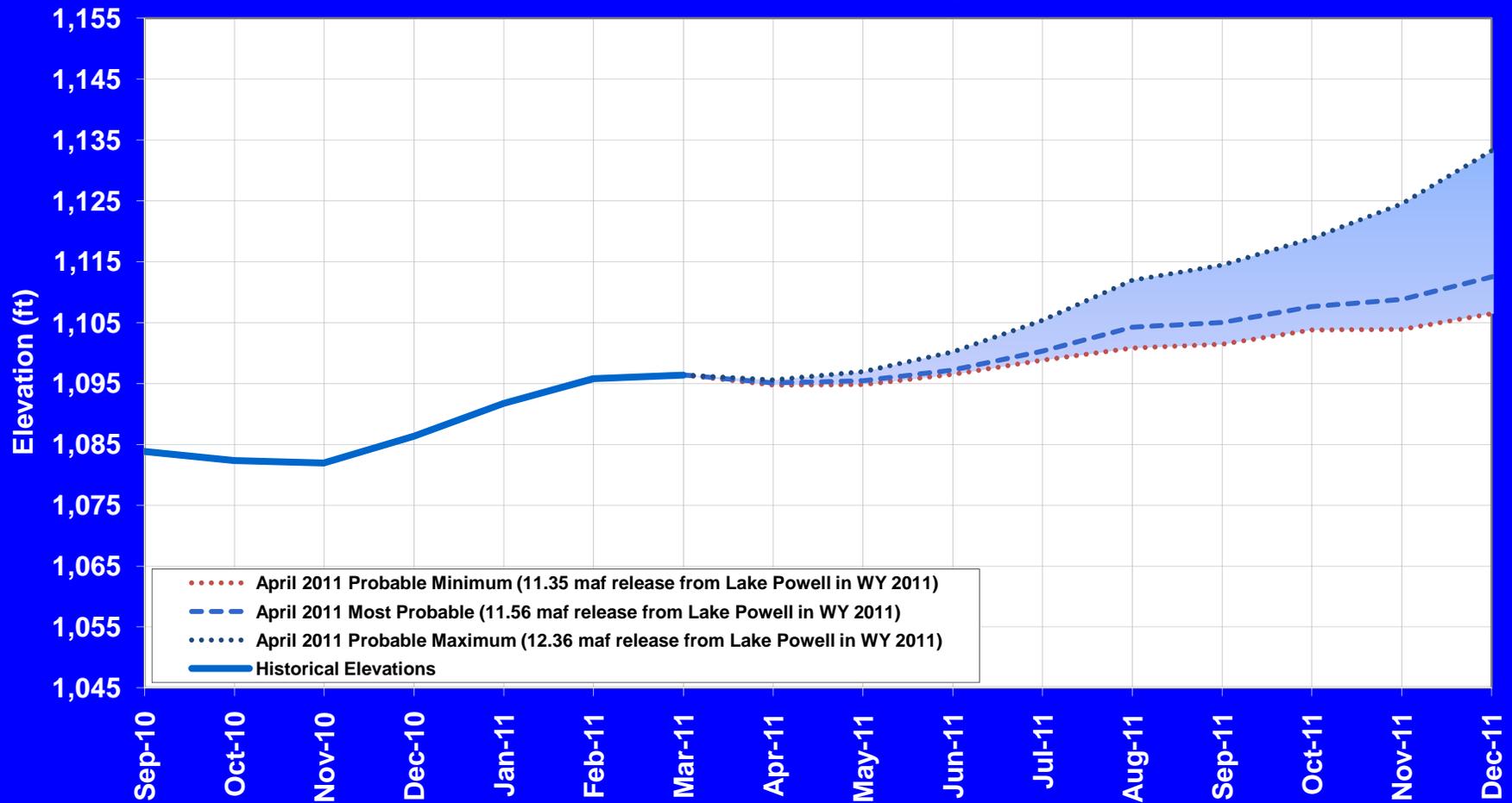


## Lake Mead End of Month Elevation

### Projections from April 2011 24-Month Study Inflow Scenarios



The projected elevations in this graph are based on reservoir modeling under three possible inflow scenarios: 1) The minimum probable inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time; 2) the most probable inflow scenario reflects a median inflow condition which statistically would be exceeded 50% of the time; and 3) the maximum probable inflow scenario reflects a wet hydrologic condition which statistically would be exceeded only 10% of the time. There is approximately an 80% probability that the future elevation will fall inside the shaded region. There are possible inflow scenarios that would result in reservoir elevations falling outside the range indicated in this graph.

## **April 2011 Lake Mead End of Month Elevation Chart**

### **Explanation of projected Lake Powell water year releases and Lake Mead elevations in 2011**

#### April 2011 Probable Minimum Inflow Scenario

With a Lake Powell water year release volume of 8.23 million acre-feet (maf), the April 2011 Probable Minimum inflow scenario projects the September 30, 2011 Lake Powell elevation to be greater than the 2011 Equalization elevation of 3,643 feet. Consistent with Section 6.B.3 of the Interim Guidelines, the Probable Minimum inflow scenario shows an April adjustment to the Equalization Tier in 2011. Under this scenario, the annual release from Glen Canyon Dam is projected to be 11.35 maf, with Lake Mead ending the water year at elevation 1,101.44 feet.

#### April 2011 Most Probable Inflow Scenario

With a Lake Powell water year release volume of 8.23 maf, the April 2011 Most Probable inflow scenario projects Lake Powell's elevation on September 30, 2011 to be above the 2011 Equalization elevation of 3,643 feet. Consistent with Section 6.B.3 of the Interim Guidelines, the Probable Maximum inflow scenario shows an adjustment to the Equalization Tier. Under this scenario, the water year 2011 release from Glen Canyon Dam is projected to be 11.56 maf, with Lake Mead ending the water year at elevation 1,105.00 feet.

#### April 2011 Probable Maximum Inflow Scenario

With a Lake Powell water year release volume of 8.23 maf, the April 2011 Probable Maximum inflow scenario projects Lake Powell's elevation on September 30, 2011 to be above the 2011 Equalization elevation of 3,643 feet. Consistent with Section 6.B.3 of the Interim Guidelines, the Probable Maximum inflow scenario shows an adjustment to the Equalization Tier. Under this scenario, the water year 2011 release from Glen Canyon Dam is projected to be 12.36 maf, with Lake Mead ending the water year at elevation 1,114.45 feet.