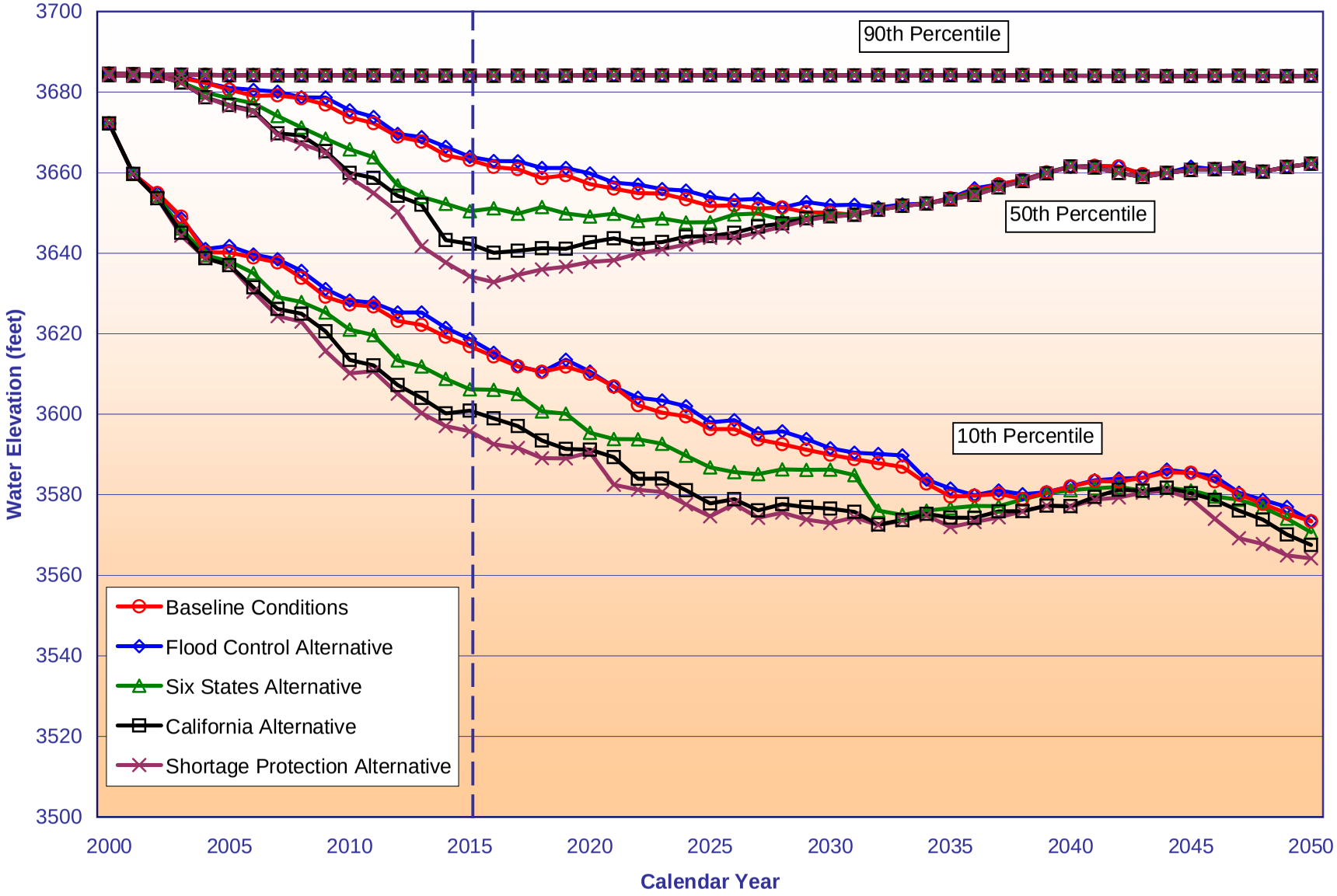
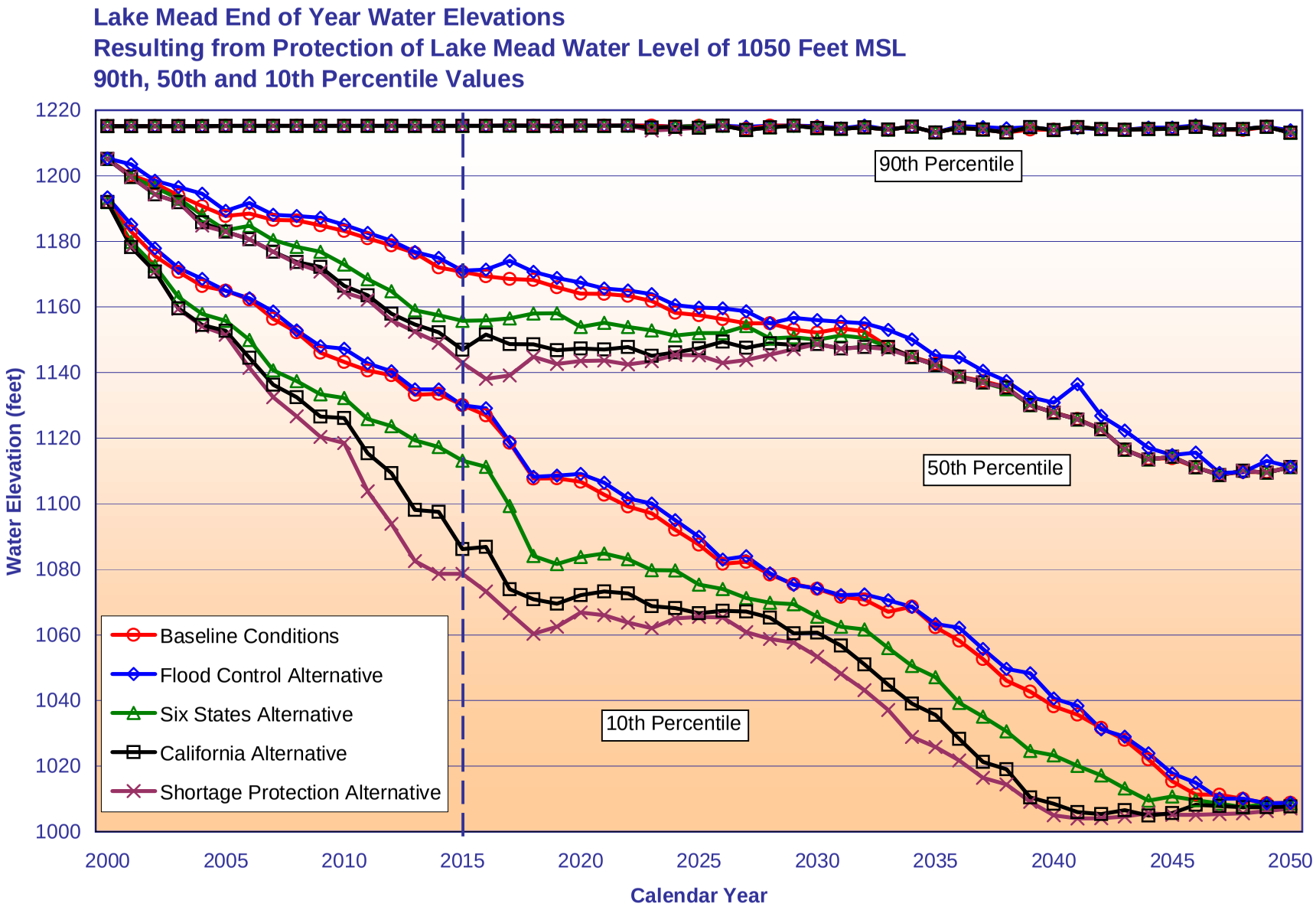
ATTACHMENT K

Sensitivity Analysis of Shortage Assumptions

This attachment to the Colorado River Interim Surplus Criteria DEIS illustrates the water surface elevations of Lakes Powell and Mead when modeled using a shortage assumption other than was used in the DEIS. In the DEIS analysis, it was assumed that the Lake Mead water surface elevation of 1083 feet msl would be protected by determining the existence of a shortage condition when the operation threatened to draw the water level below that elevation. For the sensitivity analysis, a Lake Mead water surface elevation of 1050 feet msl was used as the assumed water level to be protected. The results of the sensitivity analysis are shown by plots of reservoir water levels for Lakes Mead and Powell contained in this attachment. The plots were produced by the CRSS model configured in the same manner as for the analysis using the Lake Mead water level of 1083 feet msl as a protection level. In both cases an 80 percent probability of protecting the Lake Mead water level was programmed into the model.

Lake Powell End of Year Water Elevations
Resulting from Protection of Lake Mead Water Level of 1050 Feet MSL
90th, 50th and 10th Percentile Values




Lake Mead End of Year Water Elevations
Resulting from Protection of Lake Mead Water Level of 1050 Feet MSL
90th, 50th and 10th Percentile Values
Water Elevation (feet)
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
1020
1000
2000
2005
2010
2015
2020
2025
2030
2035
2040
2045
2050
Calendar Year
90th Percentile
50th Percentile
10th Percentile
Baseline Conditions
Flood Control Alternative
Six States Alternative
California Alternative
Shortage Protection Alternative