



### USGS 10010000 GREAT SALT LAKE AT SALTAIR BOAT HARBOR, UT

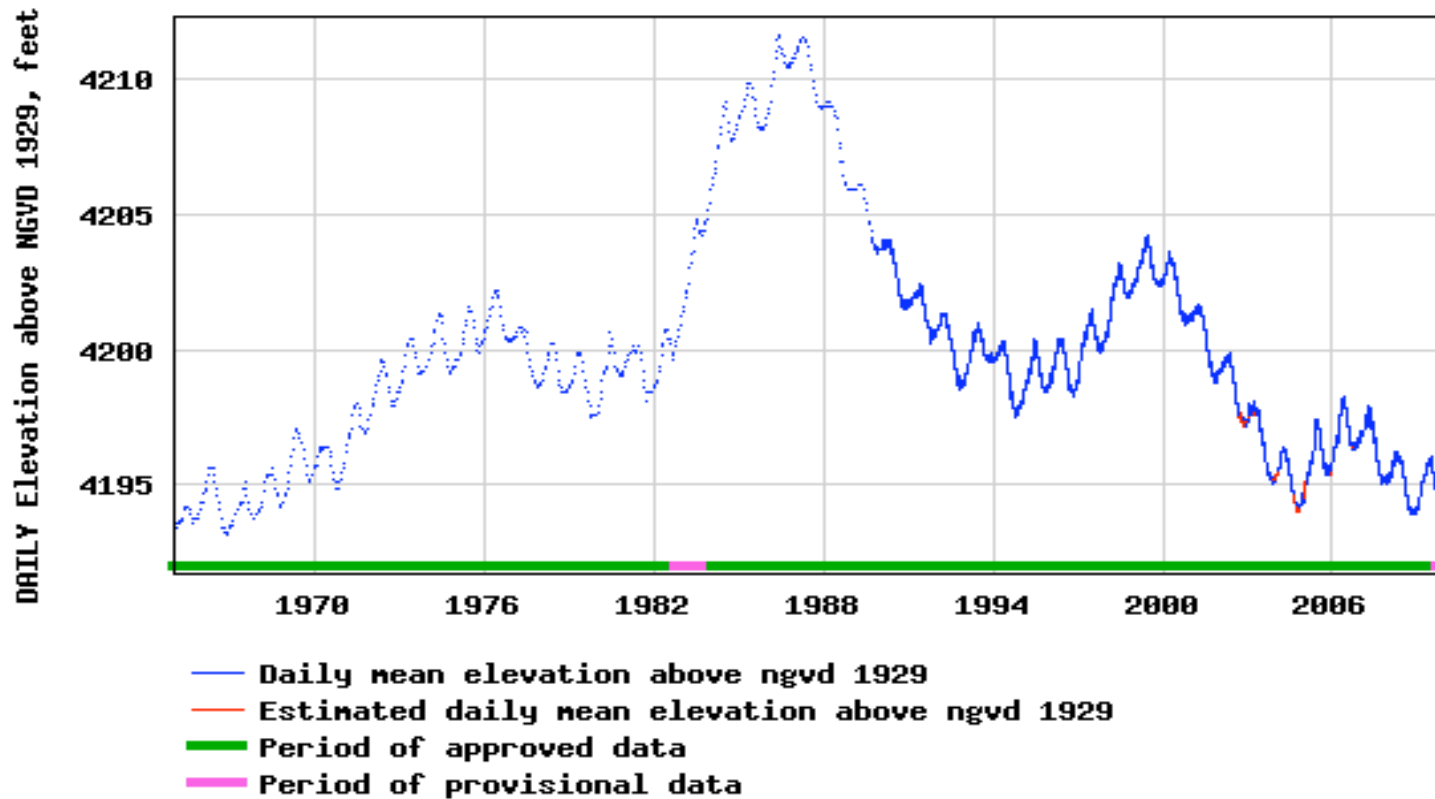


Figure 1. Elevation of water surface of south part of Great Salt Lake, Utah

Figure 2. Dissolved and precipitated salt load in Great Salt Lake, Utah

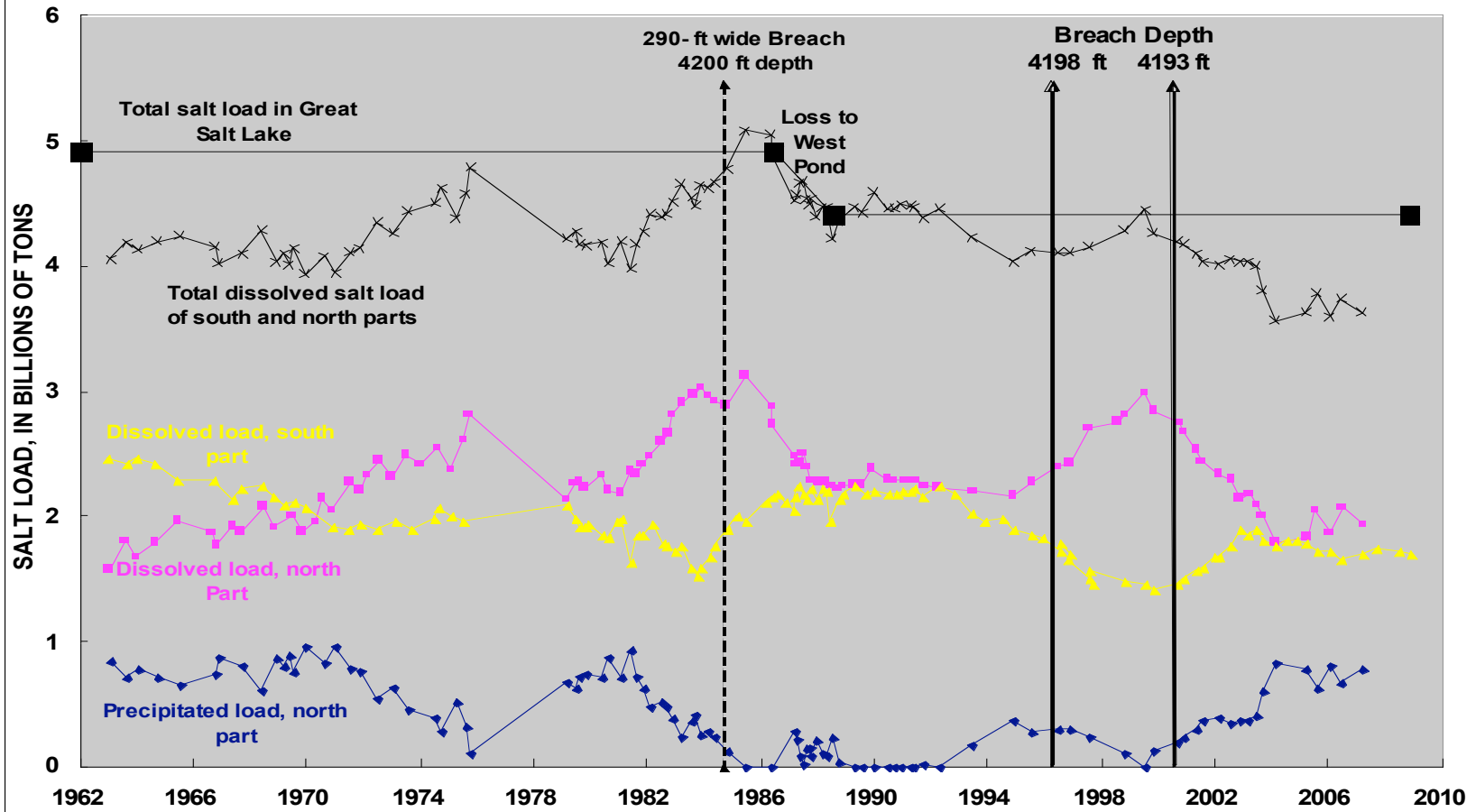
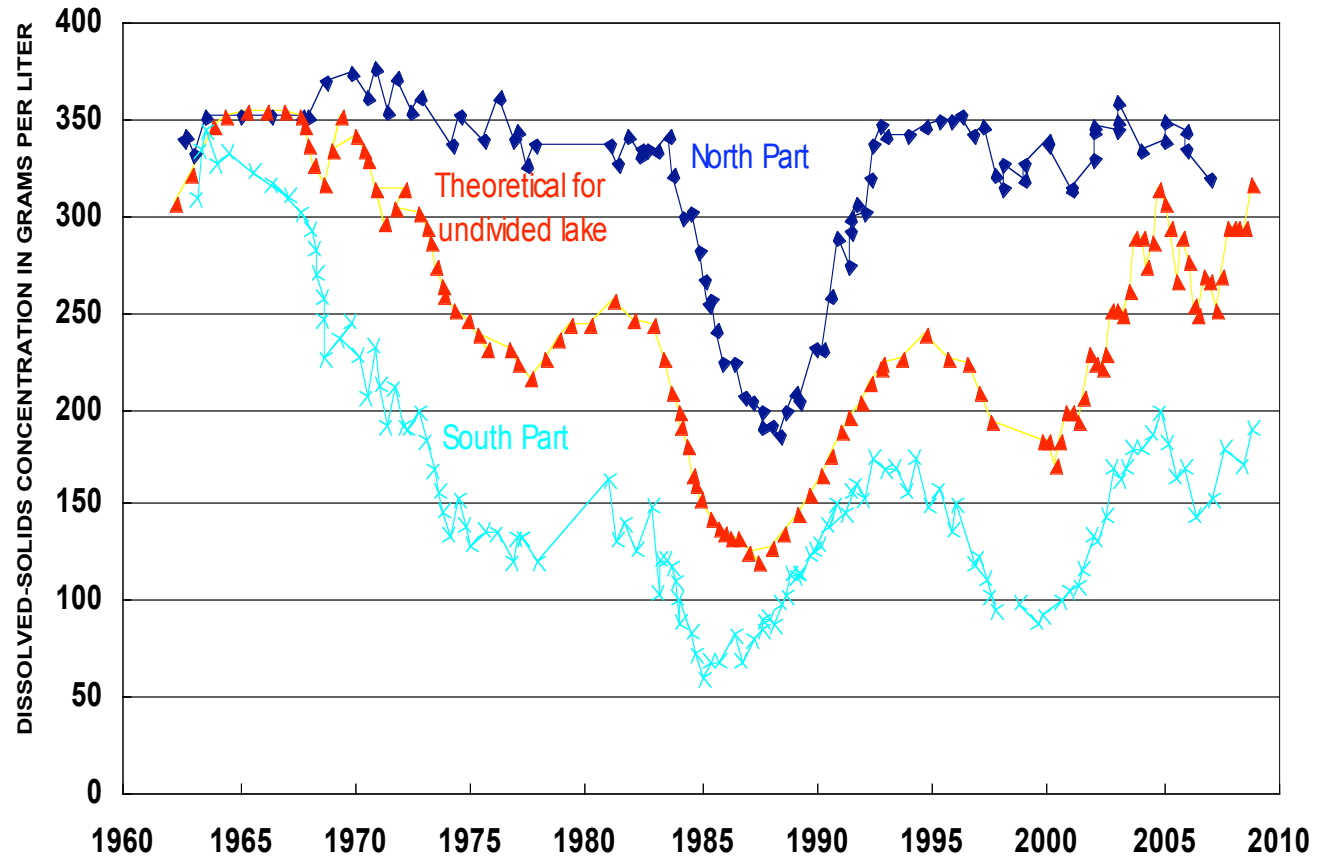


Figure 3. Dissolved-solids concentration of the south part, north part, and theoretically undivided lake.



**Figure 4. Loads of potassium in Great Salt Lake, Utah**

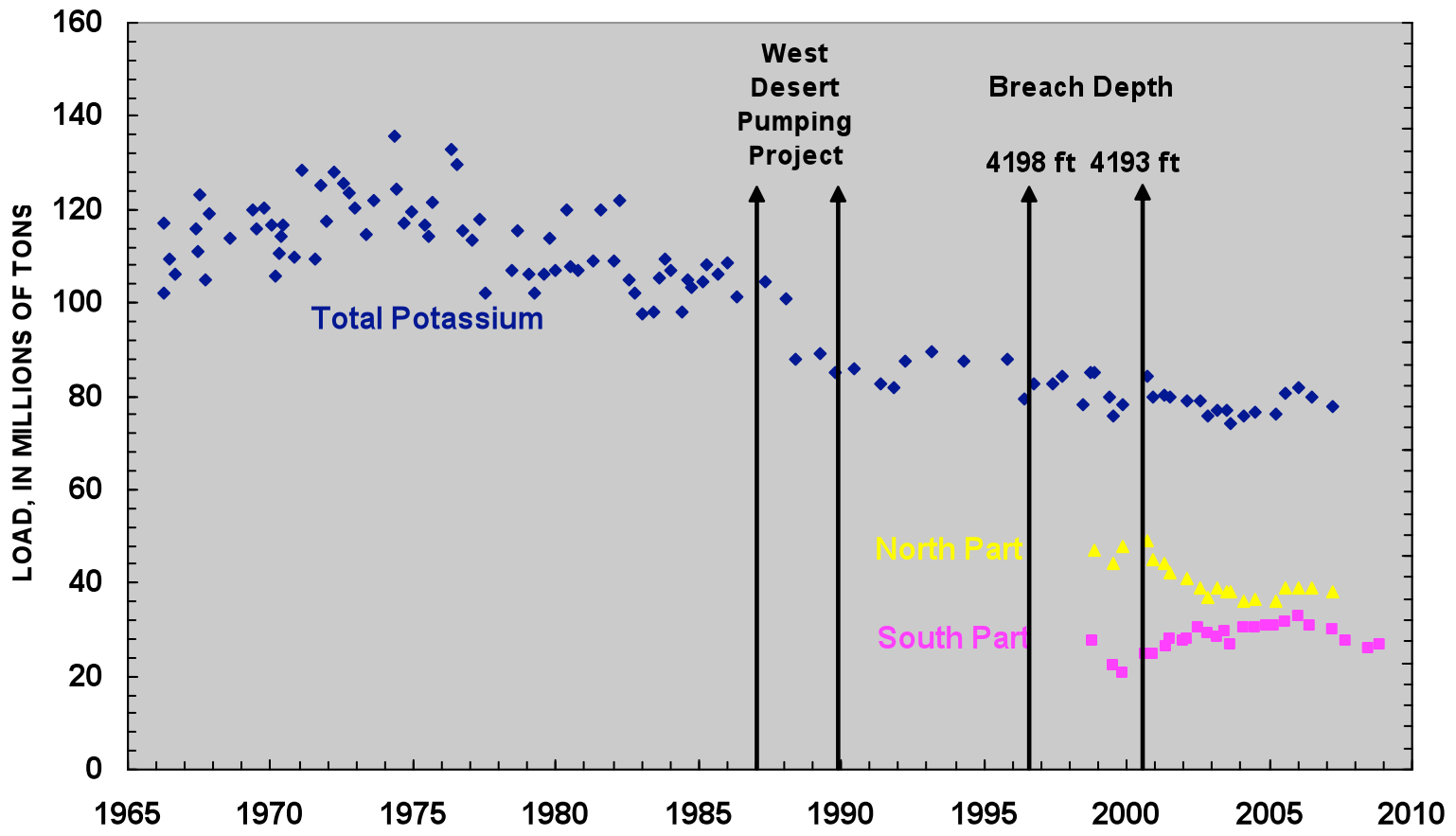
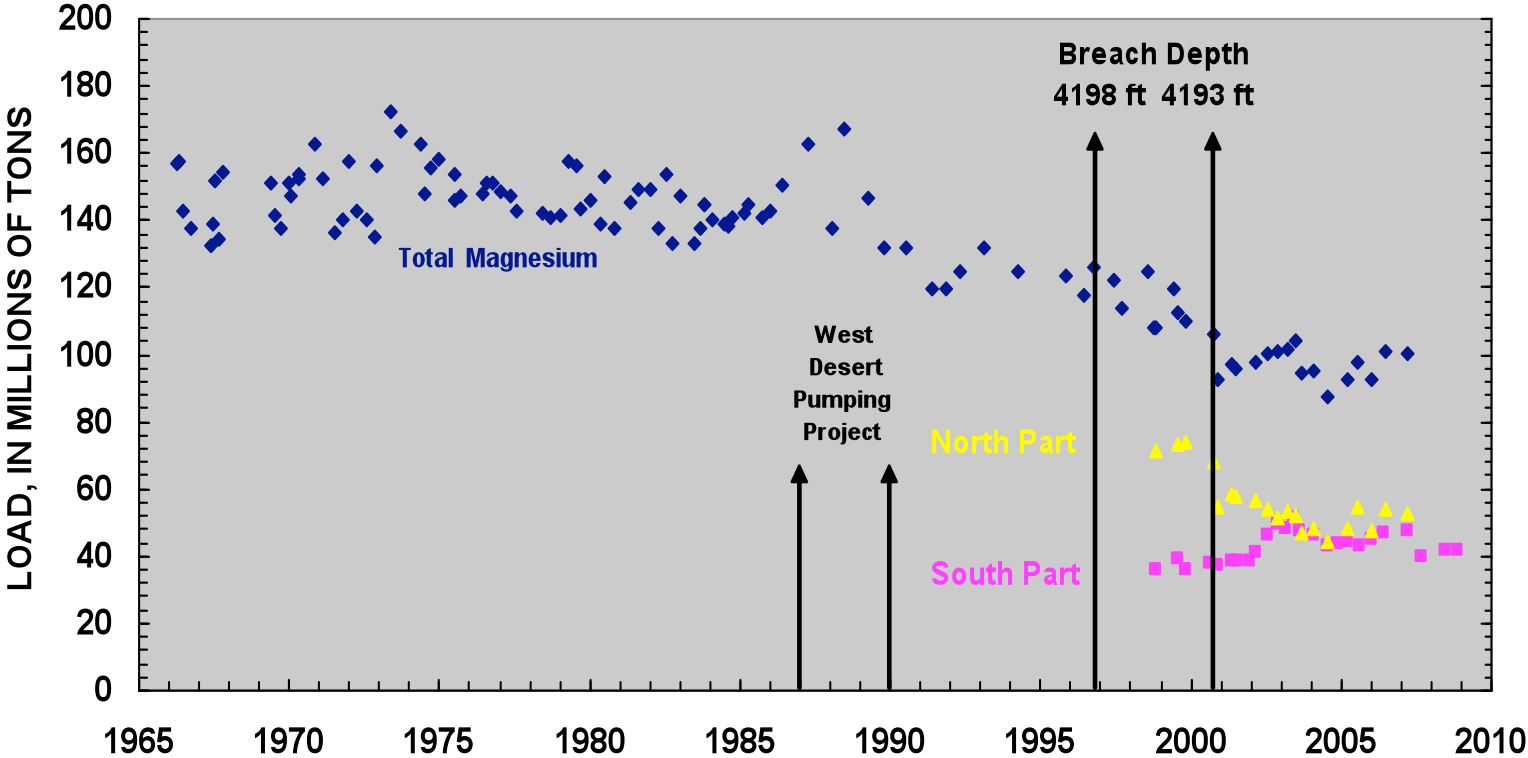
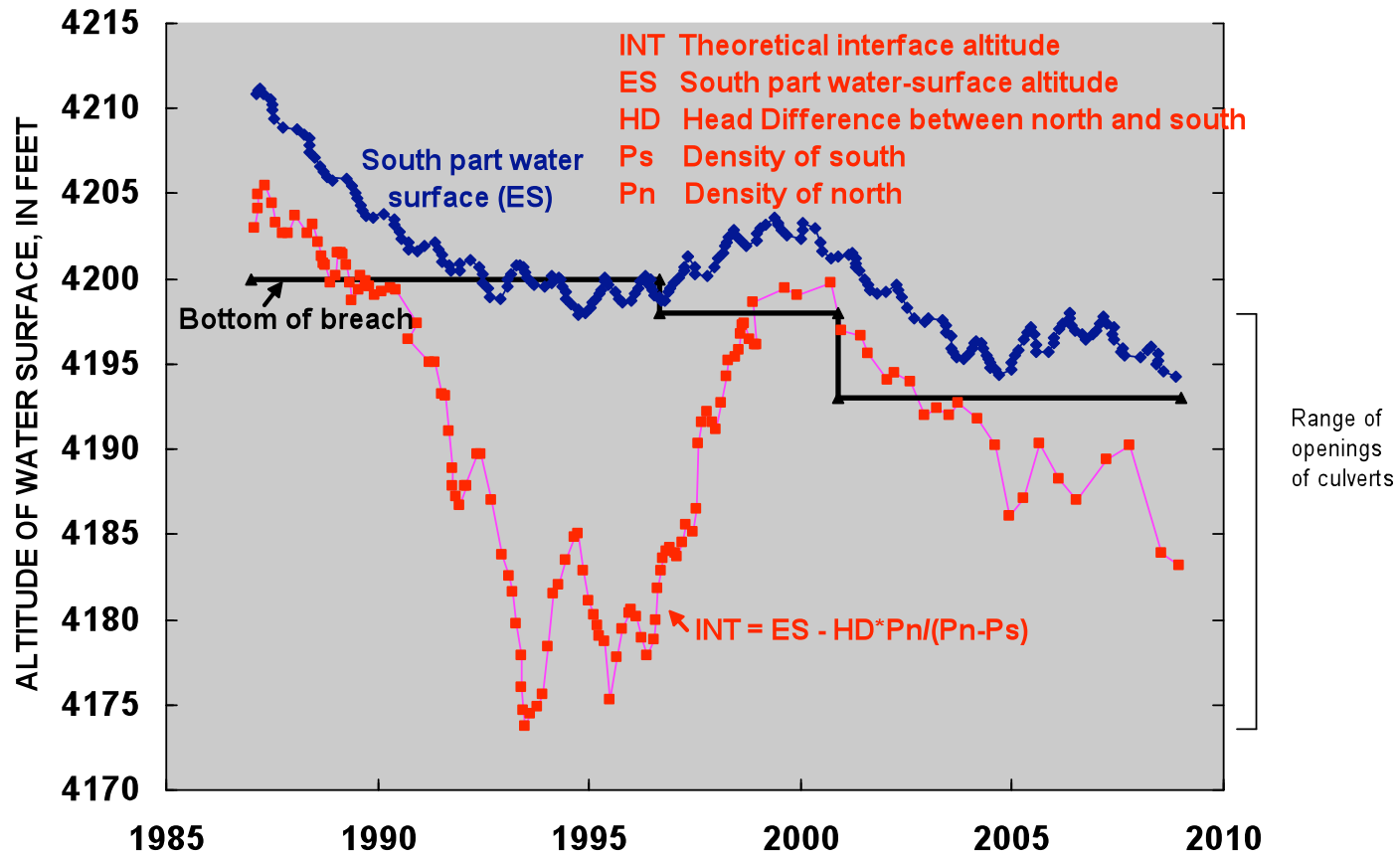


Figure 5. Loads of magnesium in Great Salt Lake, Utah



**Figure 6. Altitude of water surface in south part and theoretical interface between north and south part brines in the causeway  
(Modified from WRIR 00-4221, 2000, fig. 9)**





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Figure 8. Total culvert discharge (Data from U.S. Geological Survey)

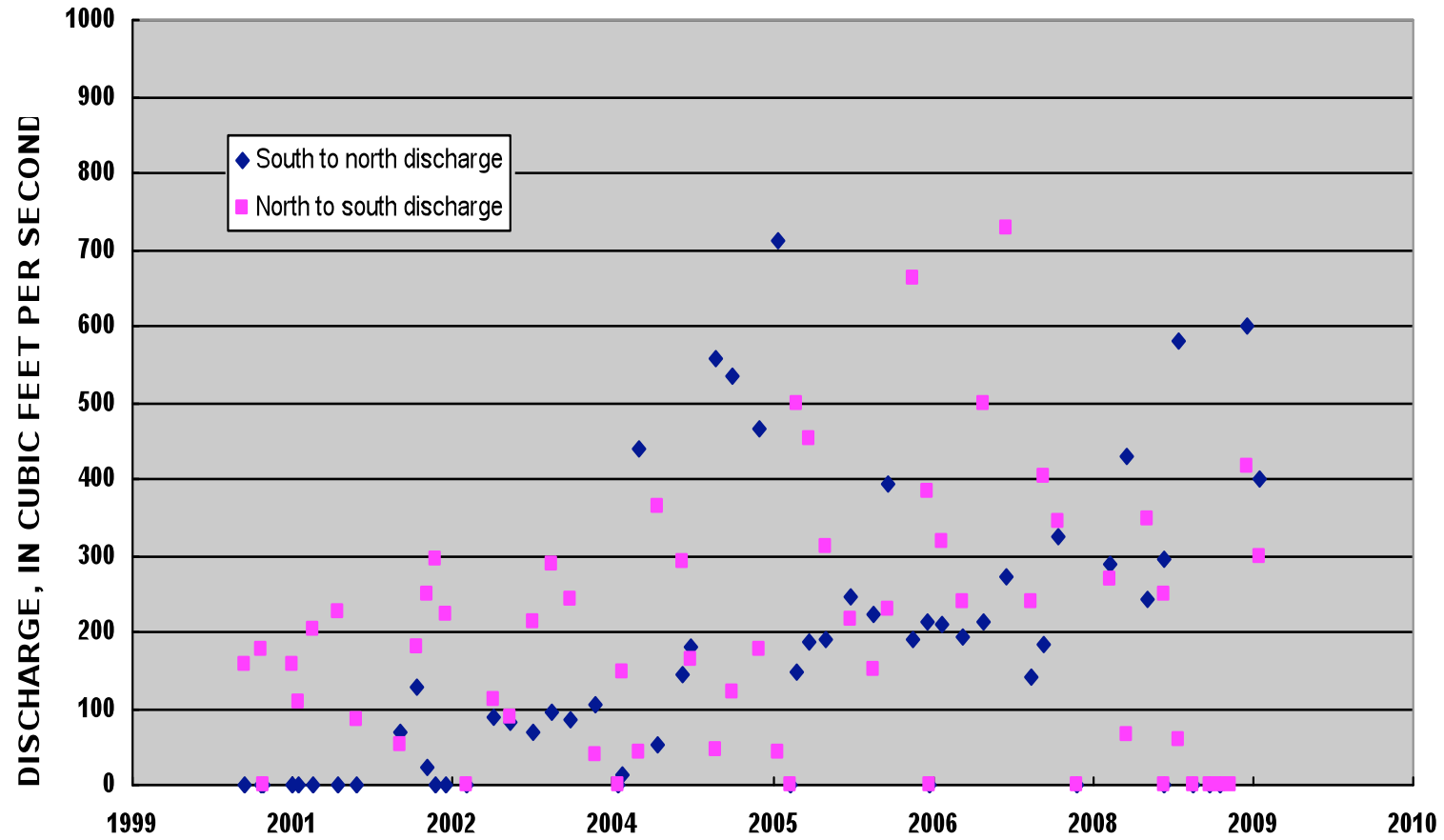
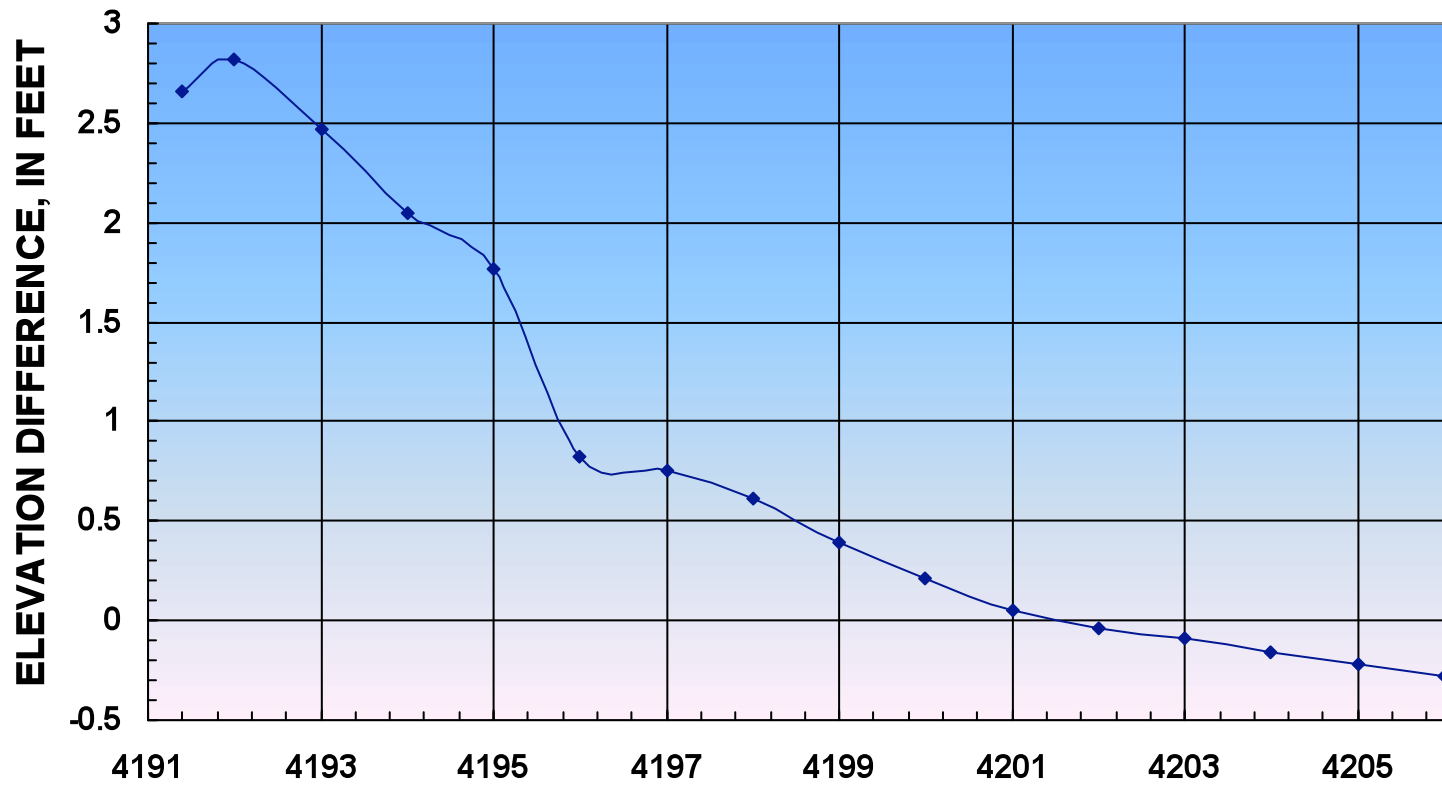
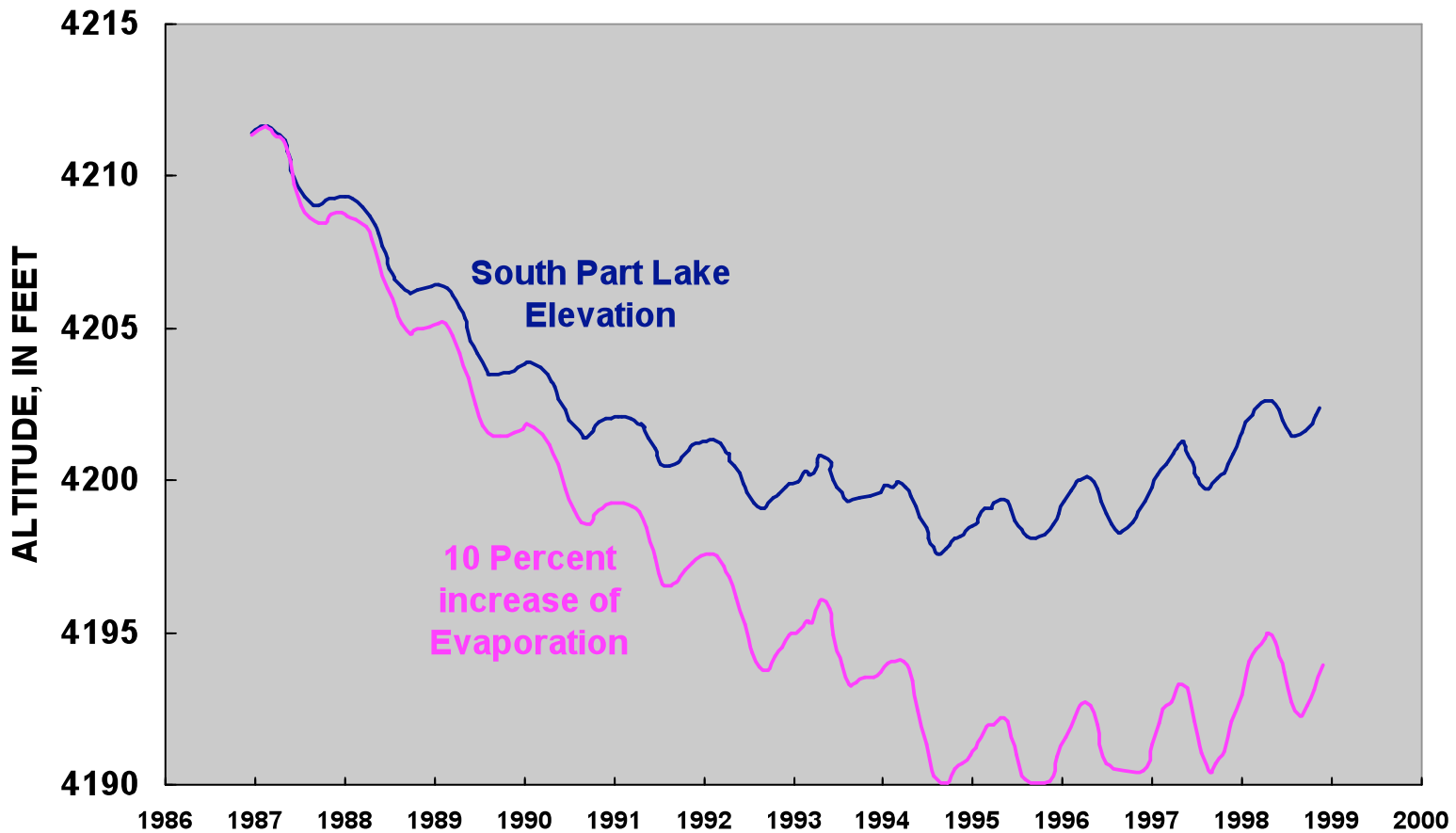




Figure 10. Potential elevation difference effect from proposed GSLM ponds (State of Utah, Review of U.S. Army Corps Scoping Document, Oct., 2009)



**Figure 11. Model simulation showing cumulative effects of increasing evaporation by 10 percent (Modified from WRIR 00-4221, 2000, fig. A10)**



**Figure 12. Comparison of model-simulated steady-state salinity with observed data for south part (Modified from State of Utah comments in U.S. Army Corps Scoping Document, October 2009)**

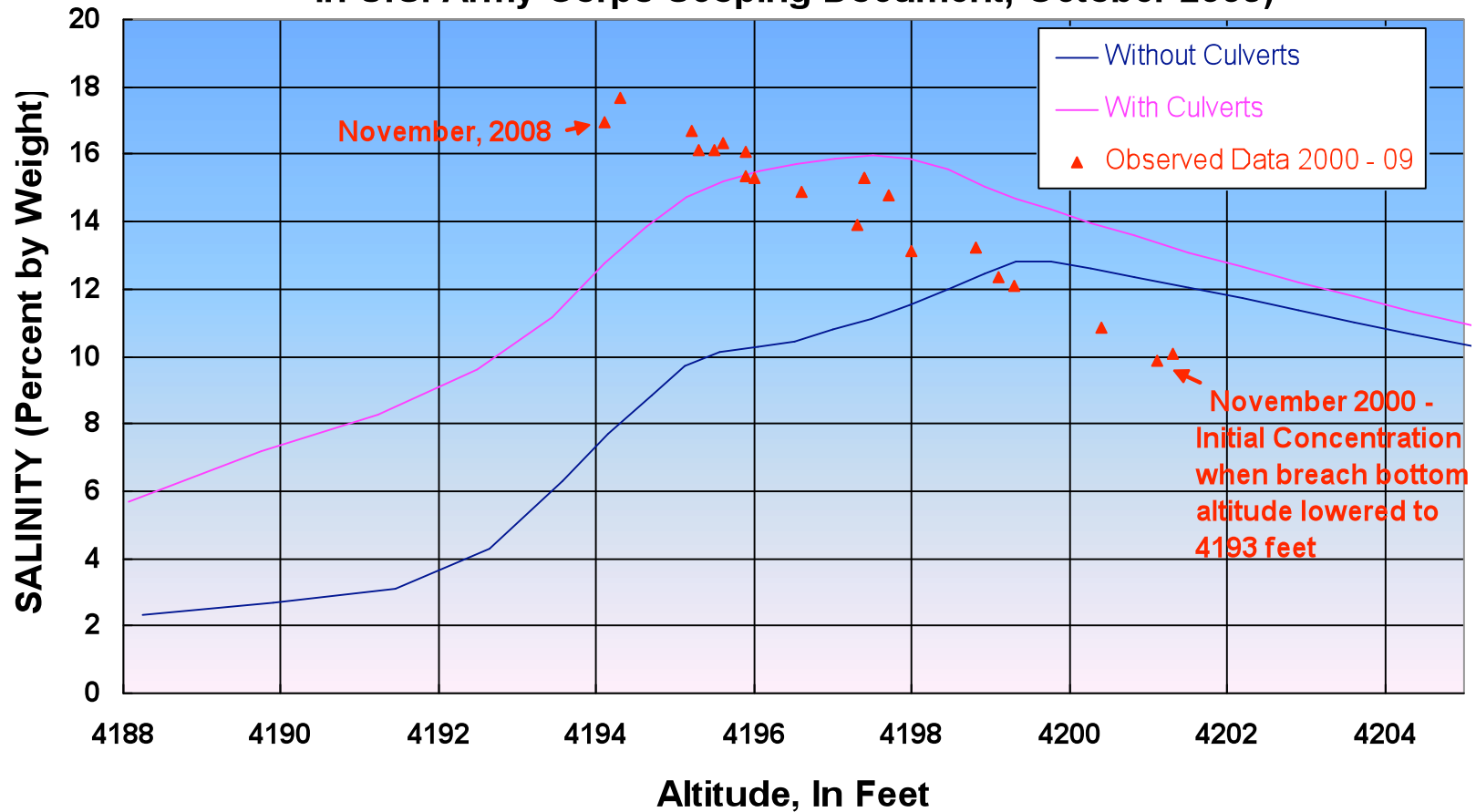


Figure 13. Dissolved loads of salt in south part with culverts open.

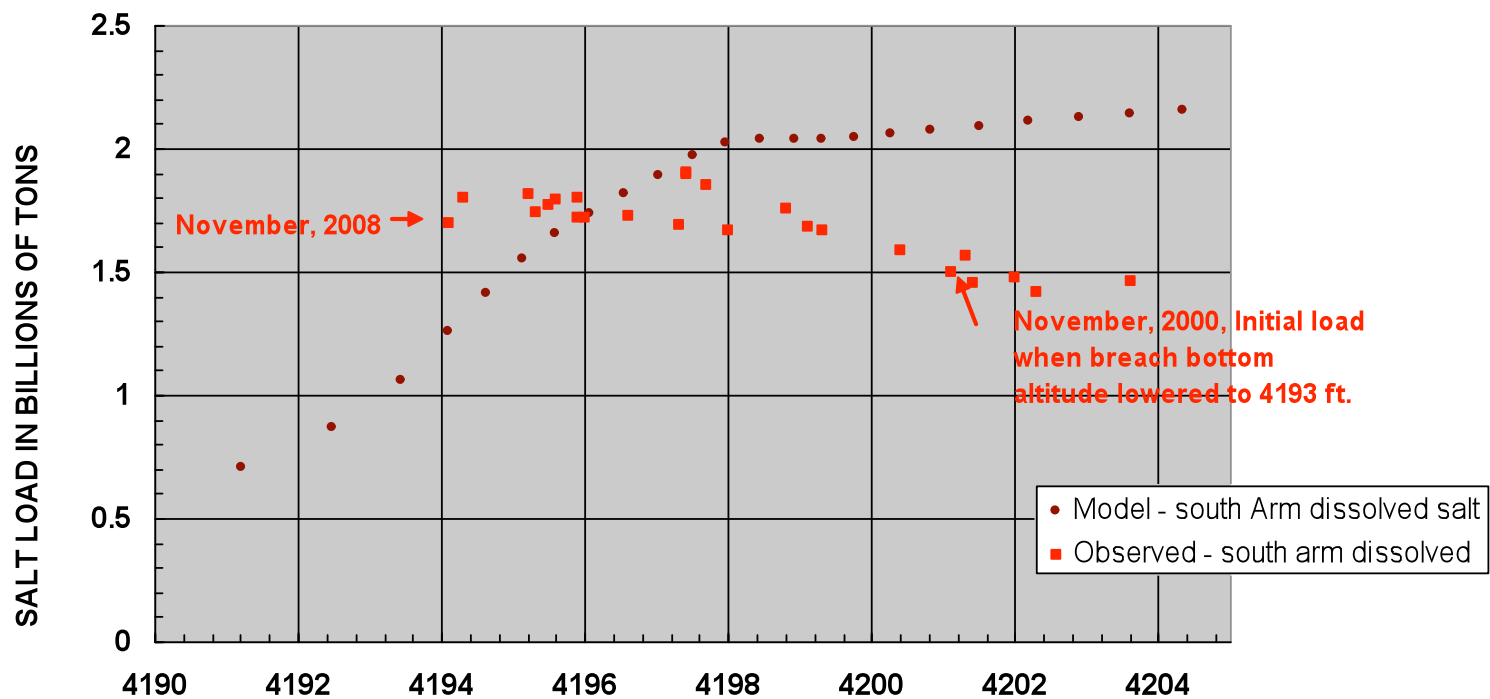


Figure 14. Dissolved and precipitated loads of salt with culverts open

