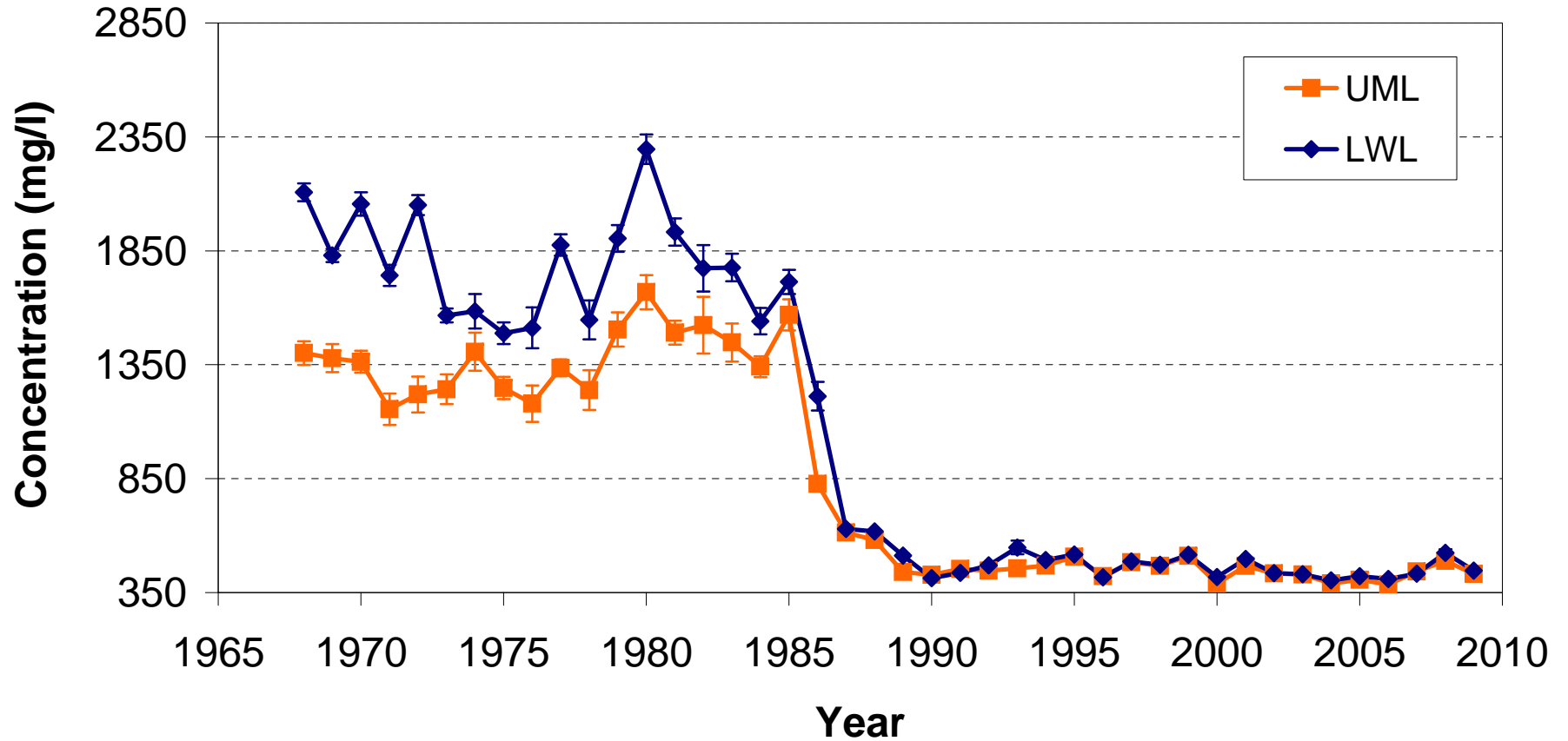


Lake South Deep: Chloride Concentrations Annual Averages (Std Error)



As part of the construction activities for the Clinton Regional Treatment Facility (RTF), major dewatering efforts were conducted. Significant chloride concentrations were measured in the dewatering effluent. The County obtained a special SPDES permit for the effluent, and has monitored chloride concentrations in the lake. Annual average chloride concentrations in upper and lower waters are shown here for the period 1968 to 2009. The Allied Signal soda ash production facility was closed in 1986, eliminating a significant source of chloride to the lake.