

Appendix A - Abiotic Habitat

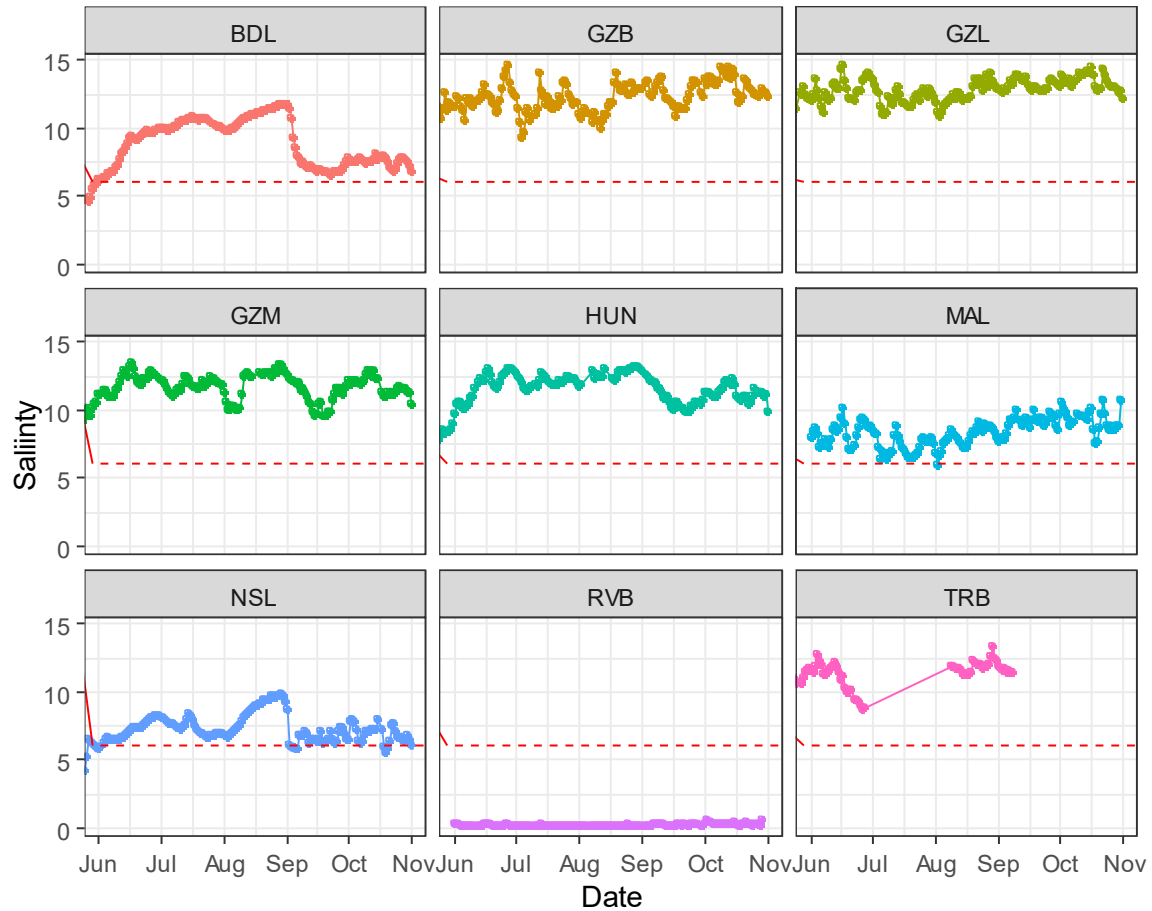


Figure 1 Daily mean salinity data converted from conductivity measurements taken at the stations listed in Figure 11 of the main document between June and October of 2022. Red dashed line indicates 6 parts per thousand (ppt). Note that data has not undergone quality control/check

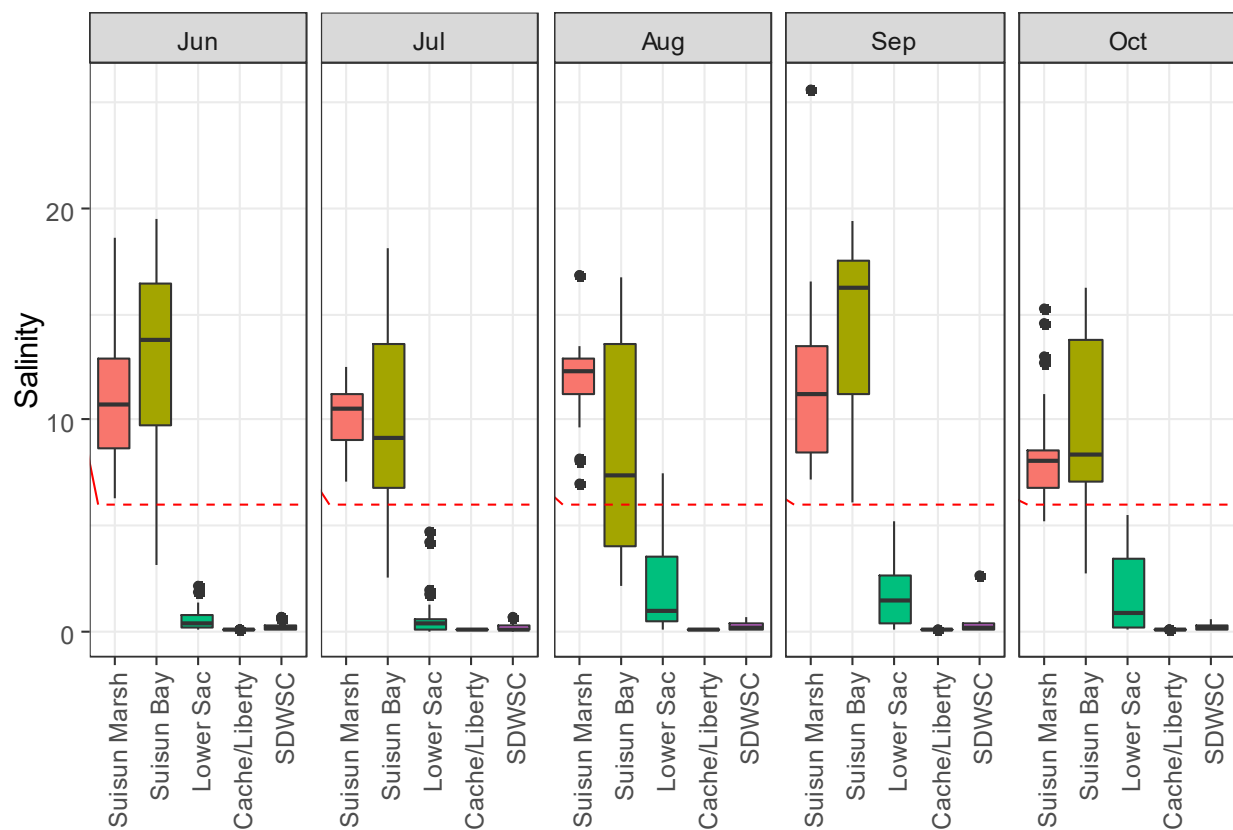


Figure 2 Salinity in practical salinity units (PSU) for discrete sampling by region and month conducted by DOP, STN, and EMP.

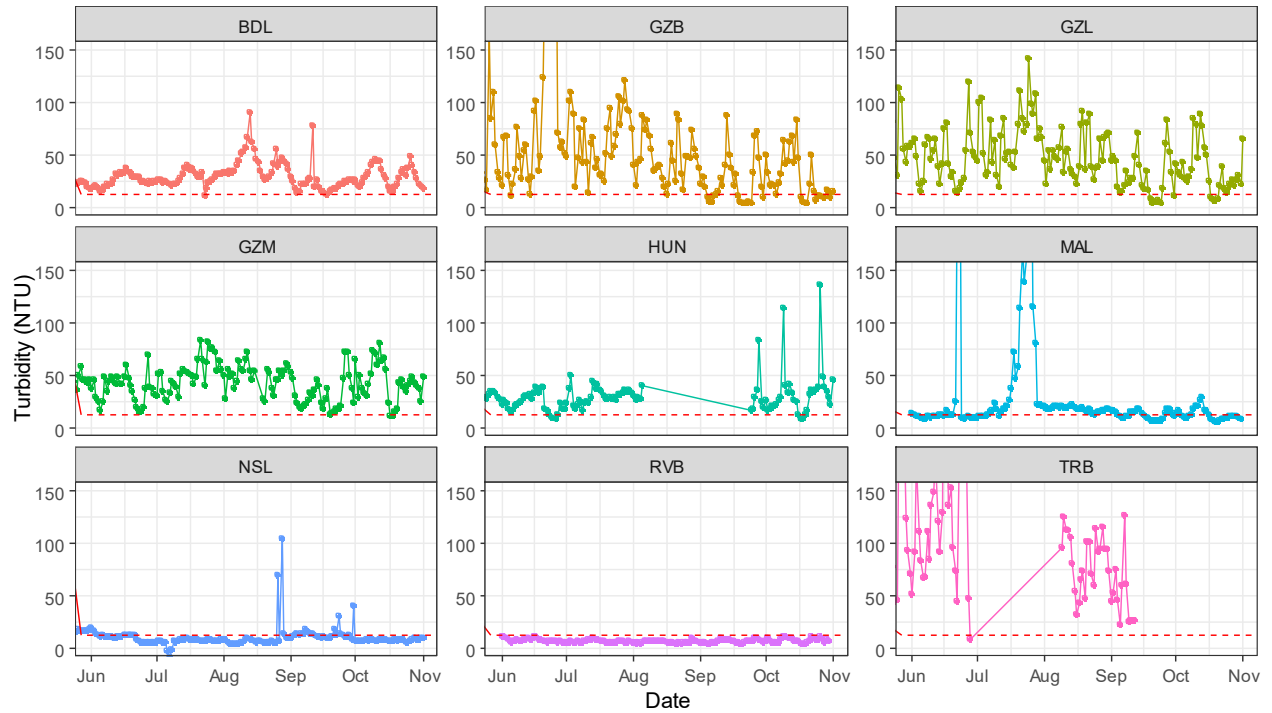


Figure 3 Daily Mean Turbidity data taken at the stations listed in Figure 11 of the main document between June and October of 2022. Red dashed line indicates 12 NTU, a turbidity threshold used in the Delta Smelt biological opinion. Data points above 150 NTU did occur at multiple stations in Summer-Fall 2022, particularly in June in GZB and TRB, and July at MAL, but they were uncommon (1.3% of data points) and therefore not shown on the plots. Note that data has not undergone quality control/check and that stations may actually record formazin nephelometric units (FNU) instead; however, the general turbidity patterns observed should remain valid.

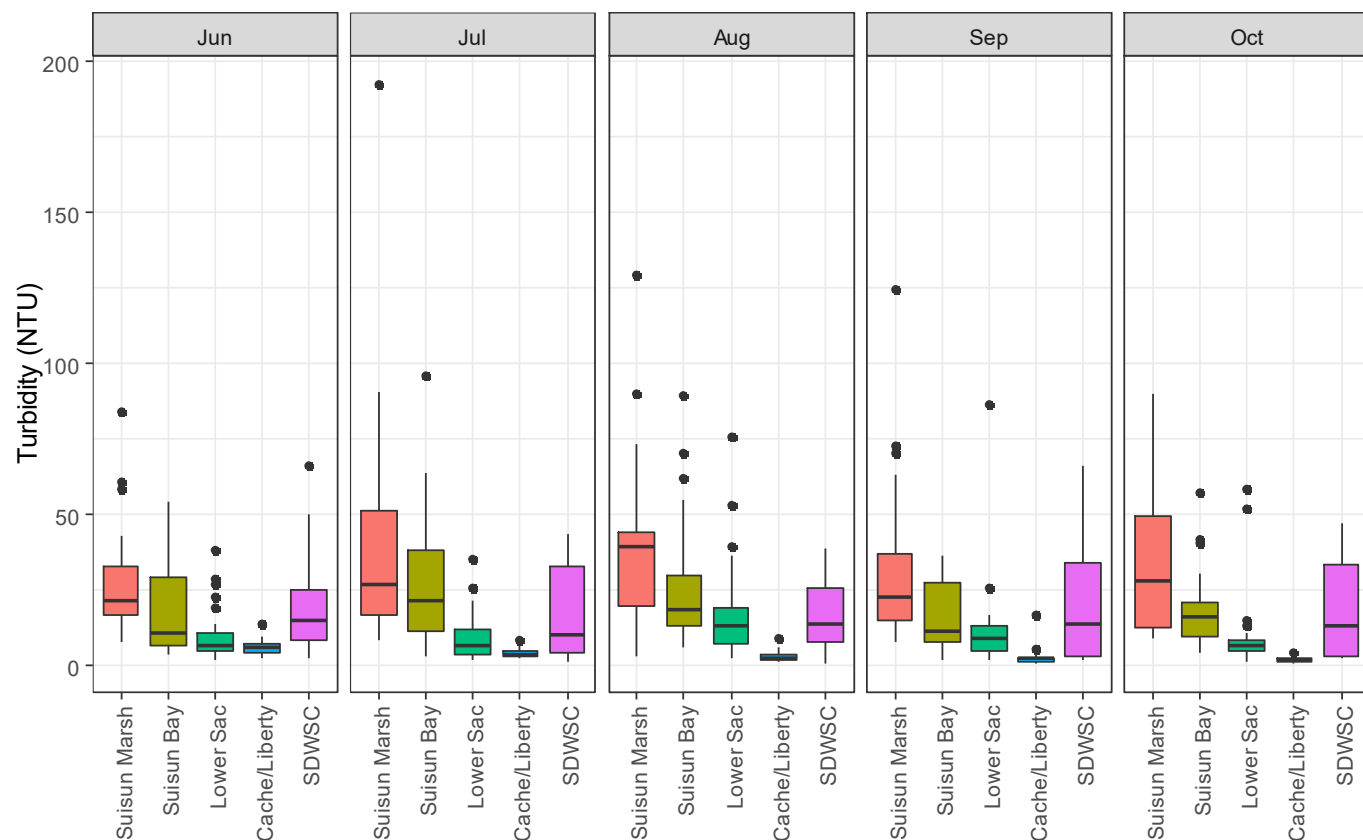


Figure 4. Discrete turbidity measurements (FNU) from EMP, STN, and DOP over the summer of 2022.

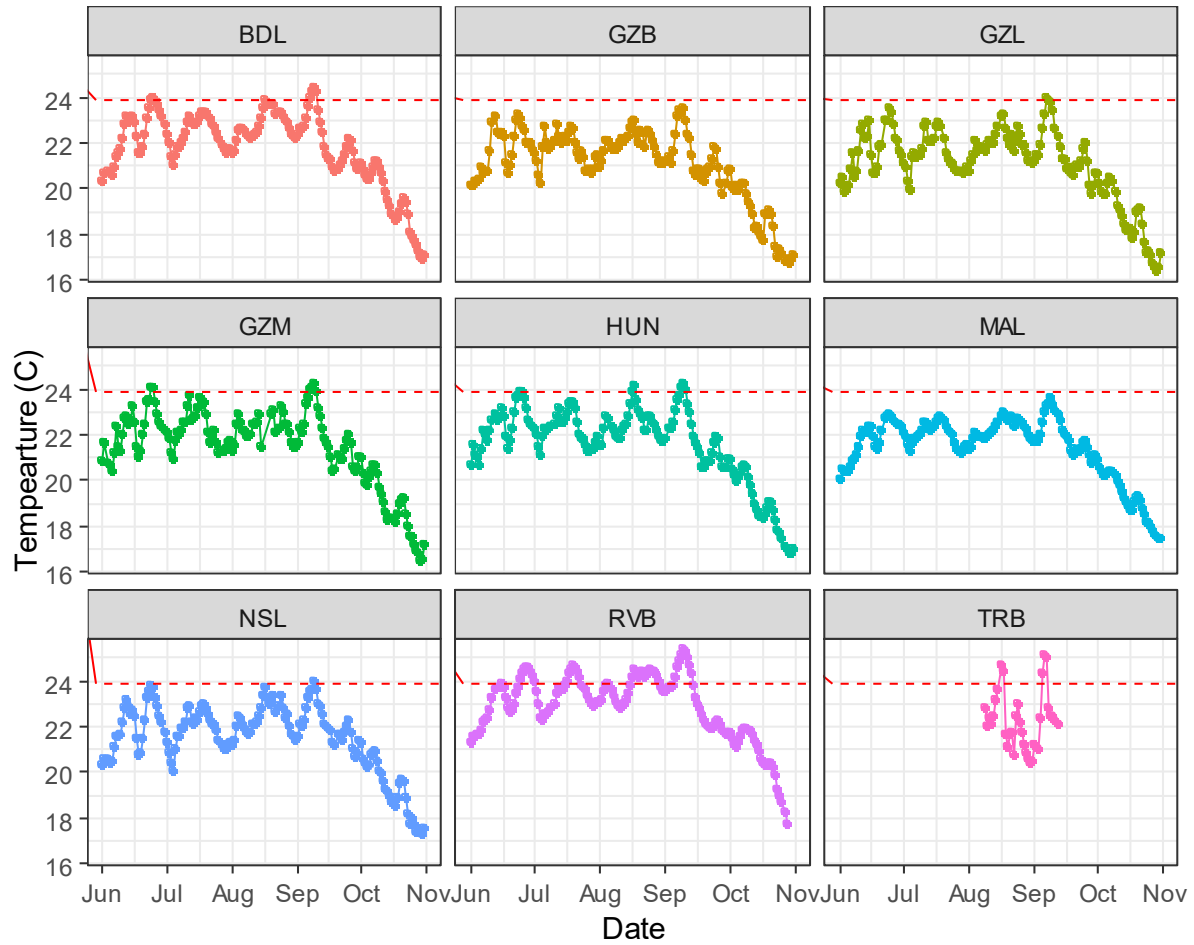


Figure 5 Daily mean temperatures at the stations listed in Figure 11 of the main document between June and October of 2022. Red dashed line indicates 23.9° C (75° F), a temperature considered stressful for Delta Smelt based on field data evaluation and physiological experiments. Note that data has not undergone quality control/check.

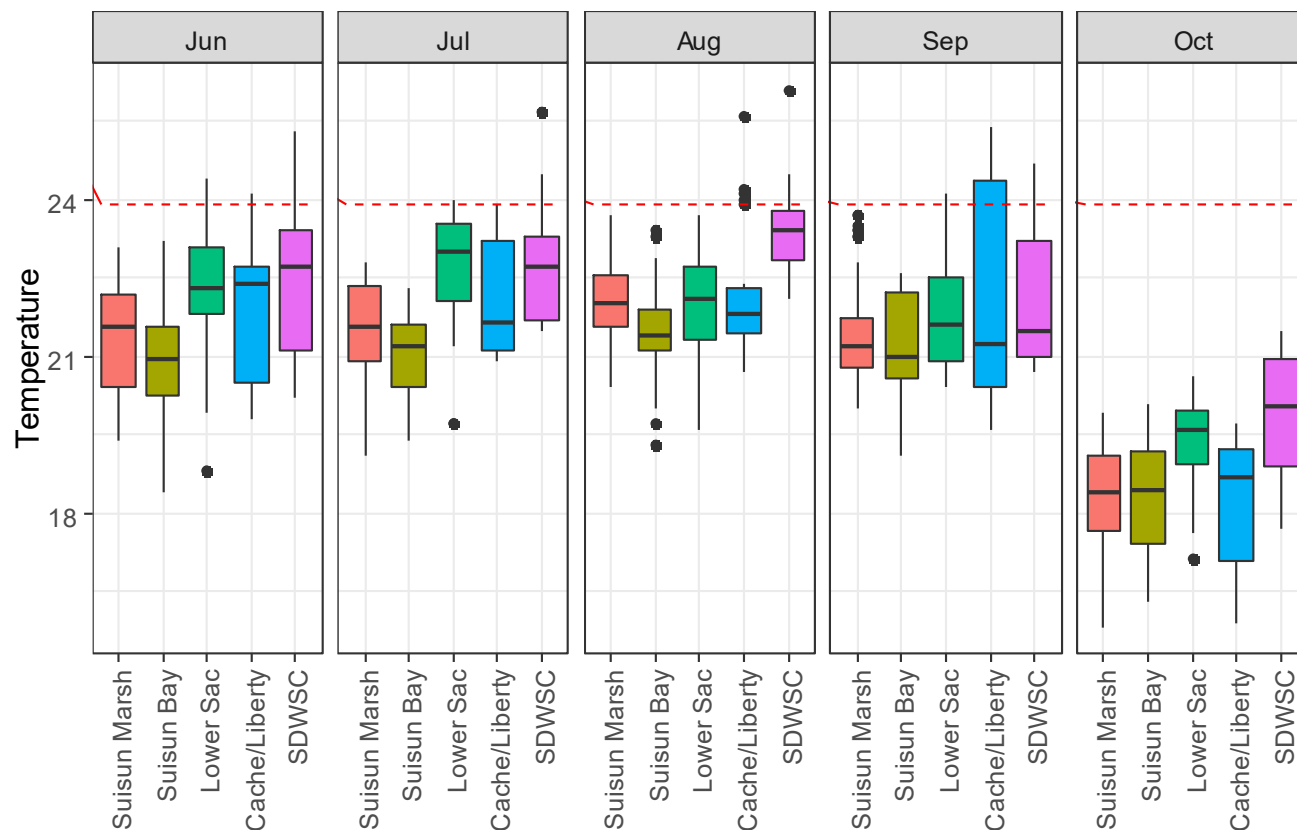


Figure 6. Discrete surface temperature data collected by DOP, STN, and EMP during the summer of 2022