

The West Basin sea water demo study required looking at impingement and entrainment (I&E) issues regarding sea water intake. This study analyzed a full calendar year of data. The intake I&E part of the study started in April of 2011 and went through April 2012 for the full data to be collected and then analyzed. It is important to study at least a full calendar year of intake data to factor for daily, seasonal and annual fluctuation for the full scale plant to study seawater intake using fine wedge wire screens and a subsurface infiltration bed. There are advantages and disadvantages to both technologies and detailed data and analysis will further define each technology.

Two site visits were made to the demonstration plant. The work with West Basin included setting up and adjusting instrumentation and data analysis to provide QA/QC on the data for West Basin. The West Basin study included a concentrate study on marine life. This included setting up and monitoring two fish tanks to observe marine life in raw seawater and RO concentrate.

This project was delayed due to problems associated with the concentrate demonstration and funding was not extended and the remaining funds were returned to S&T.