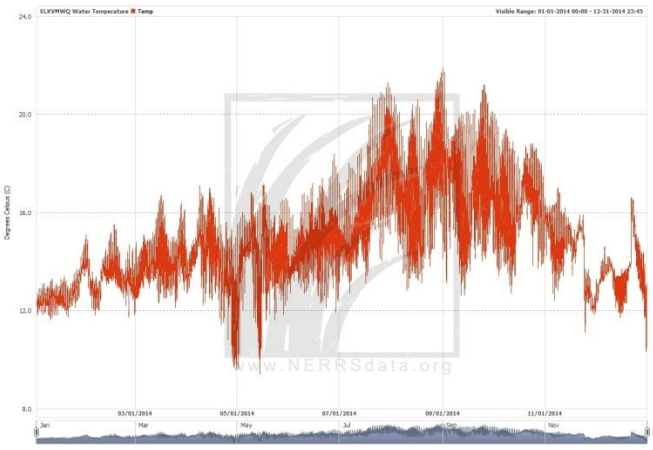
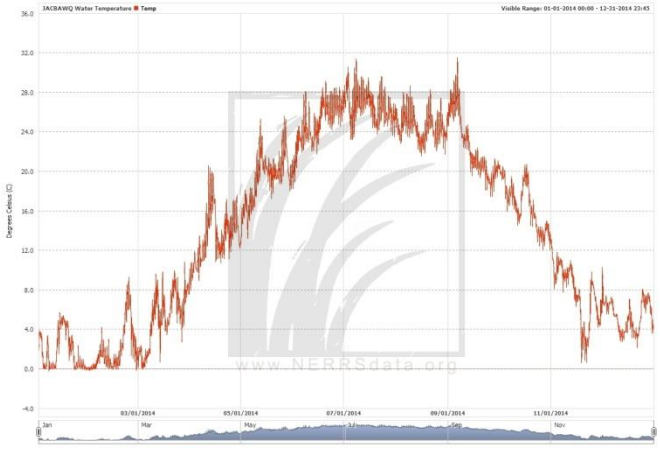
Data Visualizations – Northern estuaries:

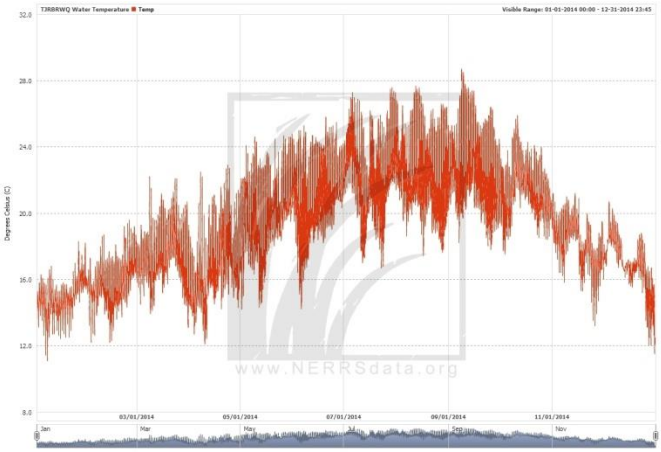
Below is a comparison of annual variability in temperature at Elkhorn Slough (CA) vs. Jacques Cousteau Reserve (NJ)

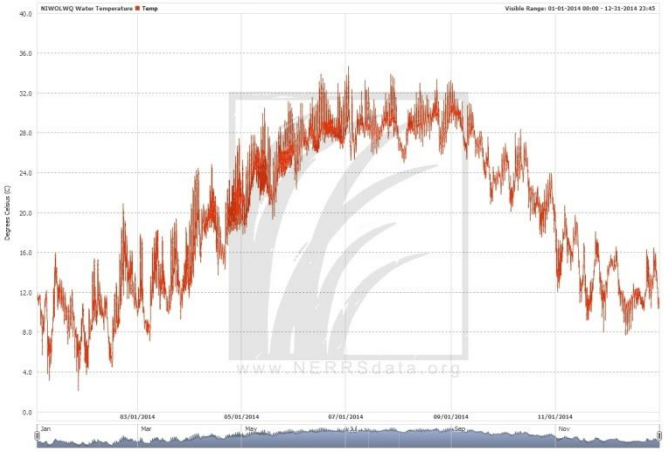




Data Visualizations – Southern estuaries:

Below is a comparison of annual variability in temperature at Tijuana River (CA) vs. North Inlet/Winyah Bay (SC)





Data Engagement Questions – Orientation:

- What type of data is being measured at each of these stations? How is water temperature being measured?
- Describe the values on the X and Y axis of the figure.
- Where are these data collected? What do you know about the ocean currents in these parts of the world?

Data Engagement Questions – Interpretation:

- Describe the pattern that you see in the temperature data.
- How much time is represented by the X axis? Can you point to data that was collected during summer? Winter?
- What is the highest value of temperature collected for each dataset? What is the lowest?
- Calculate the range of data (high minus low) and record this in your data table.
- Compare data from the east and west coast reserves. What do you notice about differences in water temperature at these reserves?

Data Engagement Questions – Synthesis:

- What other information could you use to explain these differences in temperature?
- What do you predict will be the annual variability in air temperature at these reserves?