



NERR Environmental Data Scavenger Hunt (B)

I. Exploring water temperatures at West Coast vs East Coast NERRS

Data Collection: You will be exploring environmental conditions across the country using real-time data collected at estuarine research reserves located throughout the United States. Navigate to the NERR Central Data Management Office (CDMO) webpage at <http://cdmo.baruch.sc.edu/dges/>. Move your mouse over a reserve on the map to see the name and location of the reserve and current conditions. In the spaces below, record the current water temperatures for the six west coast reserves, and six east coast reserves. For the latitude of the reserve, click on the reserve link, then use the location displayed for the weather station icon.



West Coast	<u>Air (C°)</u>	<u>Water (C°)</u>	<u>Latitude</u>	East Coast	<u>Air (C°)</u>	<u>Water (C°)</u>	<u>Latitude</u>
<u>Kachemak Bay, AK</u>	_____	_____	_____	<u>Wells, ME</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
<u>Tijuana River, CA</u>	_____	_____	_____	<u>Jobos Bay, PR</u>	_____	_____	_____

What other measurements can you get using the real-time data interface? List them in the space below.

II. Comparison of water temperatures at West Coast vs East Coast NERRS

In the space below, make a bar graph of your water temperature data from the west and east coast reserves, arranging the graph to show how temperature changes with latitude and also a comparison between reserves on the two coasts. Make sure you label each axis and identify the reserves.

