

Water Science: Data Dilemma in Great Bay

Student Sheet

Names: _____

Station Name Selected: _____

Data Range Selected: _____

1. Describe where your station is and what makes it different or similar to the other stations in the Estuary.

2. What do you notice about the temperature and salinity over this time period?

3. What is a potential reason for the fluctuations of temperature and salinity during this time?



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4. Examine dissolved oxygen and compare it to several other parameters, what are some possible reasons for fluctuations in dissolved oxygen?

5. What is a possible explanation of the relationship between turbidity and water depth?

6. For the same time period select two of the stations and compare salinity and temperature values. How can you explain the variations in temperature and salinity at the different stations?



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7. Using one of the *meteorological stations* in the bay, examine several of the parameters during the same time period. Describe the weather during this time period.

8. Data Dilemma: Using the available data, and your skills as a researcher, explain what occurs during Sept 1-10, 2008 that likely causes the changes in the salinity levels.



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