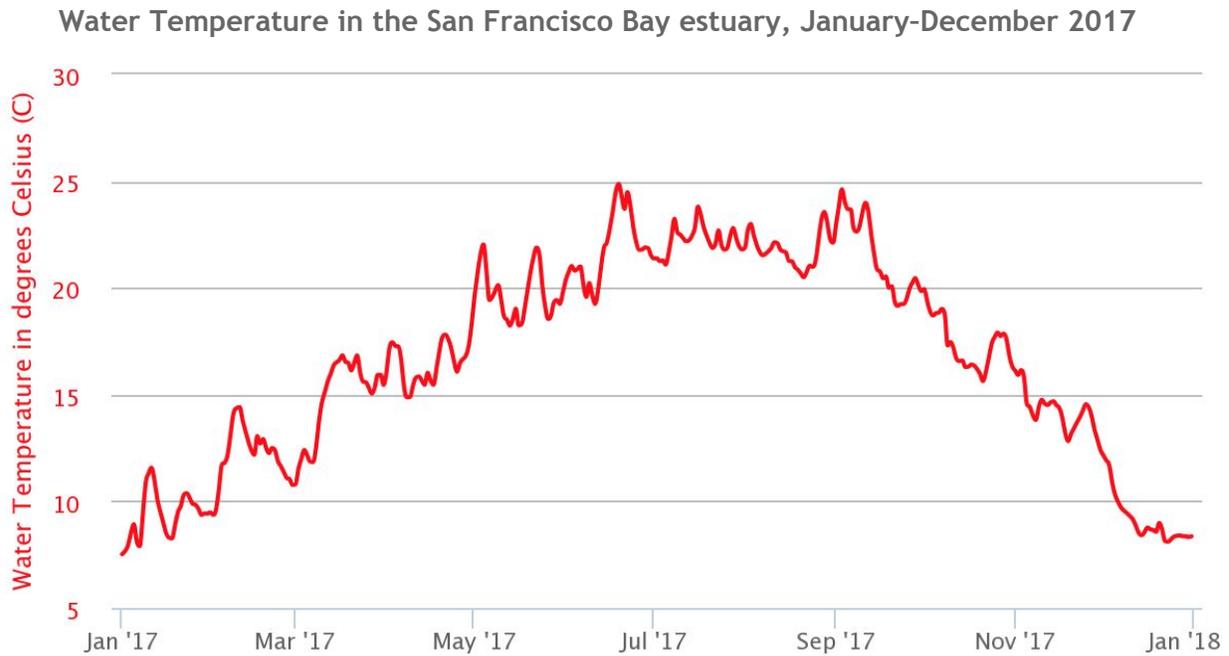
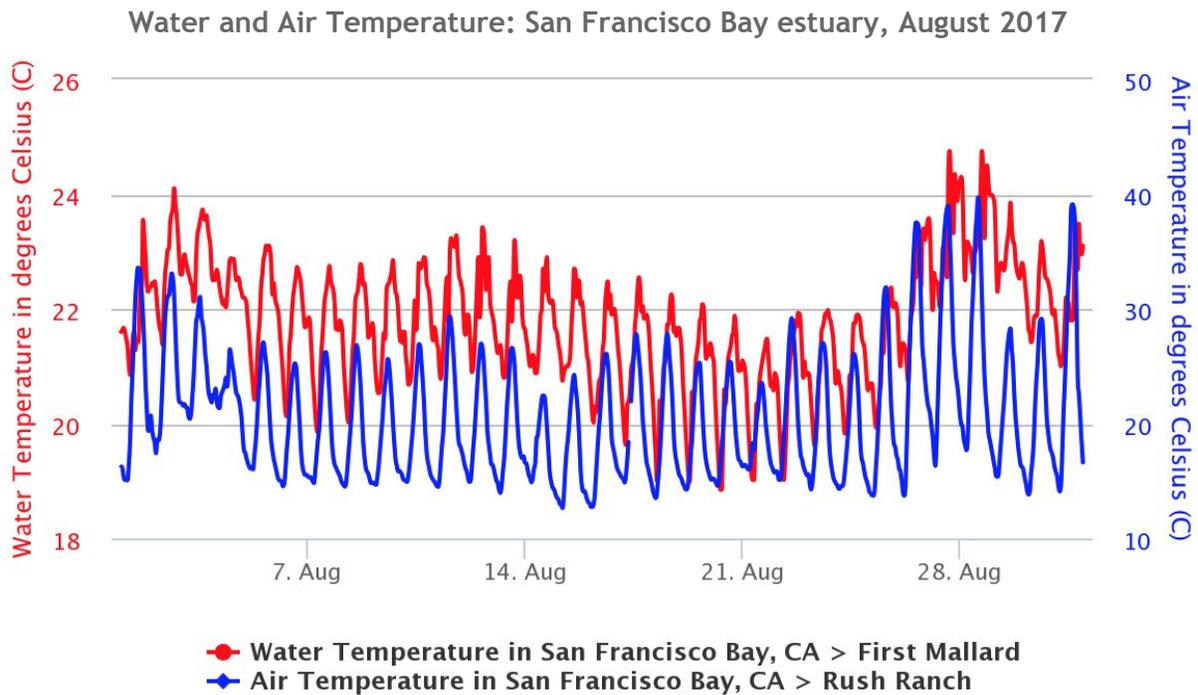


ANALYZING TEMPERATURE DATA IN ESTUARIES



Part 1: Instructions: Use the graph above to answer the following questions:

1. The water temperature was lowest during which month of the year?
 - A. January
 - B. February
 - C. June
 - D. December
2. Water temperature was highest during the following months:
 - A. January-March
 - B. May-August
 - C. June-September
 - D. August-October
3. Any fish that lives at this location throughout the year would have to be well-adapted to temperatures ranging from approximately _____ degrees C to _____ degrees C.



Part II: Instructions: Use the graph above to answer the following questions:

4. In late August 2017, a record-breaking heat wave hit the San Francisco Bay area, causing air temperatures to soar above 38°C (100 °F). Use the data to describe the apparent effect of the heat wave on water temperature at this location.

5. When water temperatures rise (or fall) above what is normal, how might organisms be affected?

6. How might an estuary, and the organisms living within it, be impacted by global climate change?