

Halifax Harbour Water Quality Monitoring Project

Weekly Summary #38

Survey Date: 10 March 2005
Nature of Survey: Coliform Survey
Report File (this document): HHWQMP_report038_050310.doc
Data File: HHWQMP_data038_050310.xls

Comments:

Dissolved Oxygen: All sites sampled have values generally between 8.0 and 9.0 mg/L. These values are all above applicable guidelines.

Data Return:

Profile: 61%
 Bacteria: 57%
 Chemical: na
Overall: 60%

Chlorophyll: Maximum values of > 4 mg/m³ and typical values between 1-2 mg/m³ compare with generally uniform winter values < 1 mg/m³.

General: There is appreciable stratification (salinity/density) in the inner harbour, the only observations this week. There has been 51.6 mm of precipitation in the previous two days. Water temperatures remain relatively uniform at about 1°C. The bottom water in the inner Harbour is slightly less dense than last week.

Sample Notes:

Bedford Basin is iced over. There was no sampling of the Basin sites.

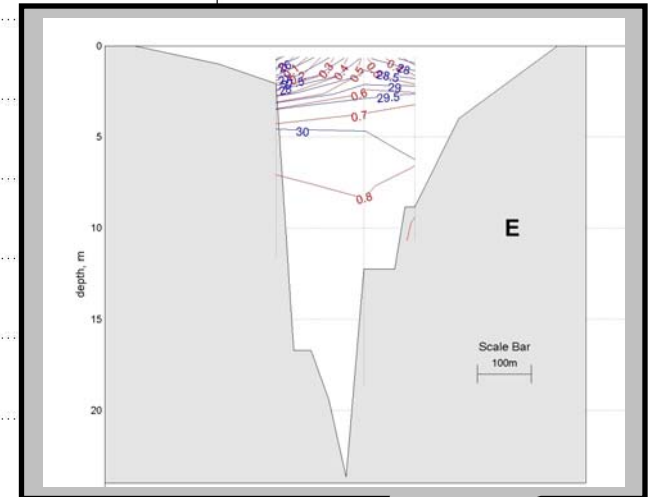
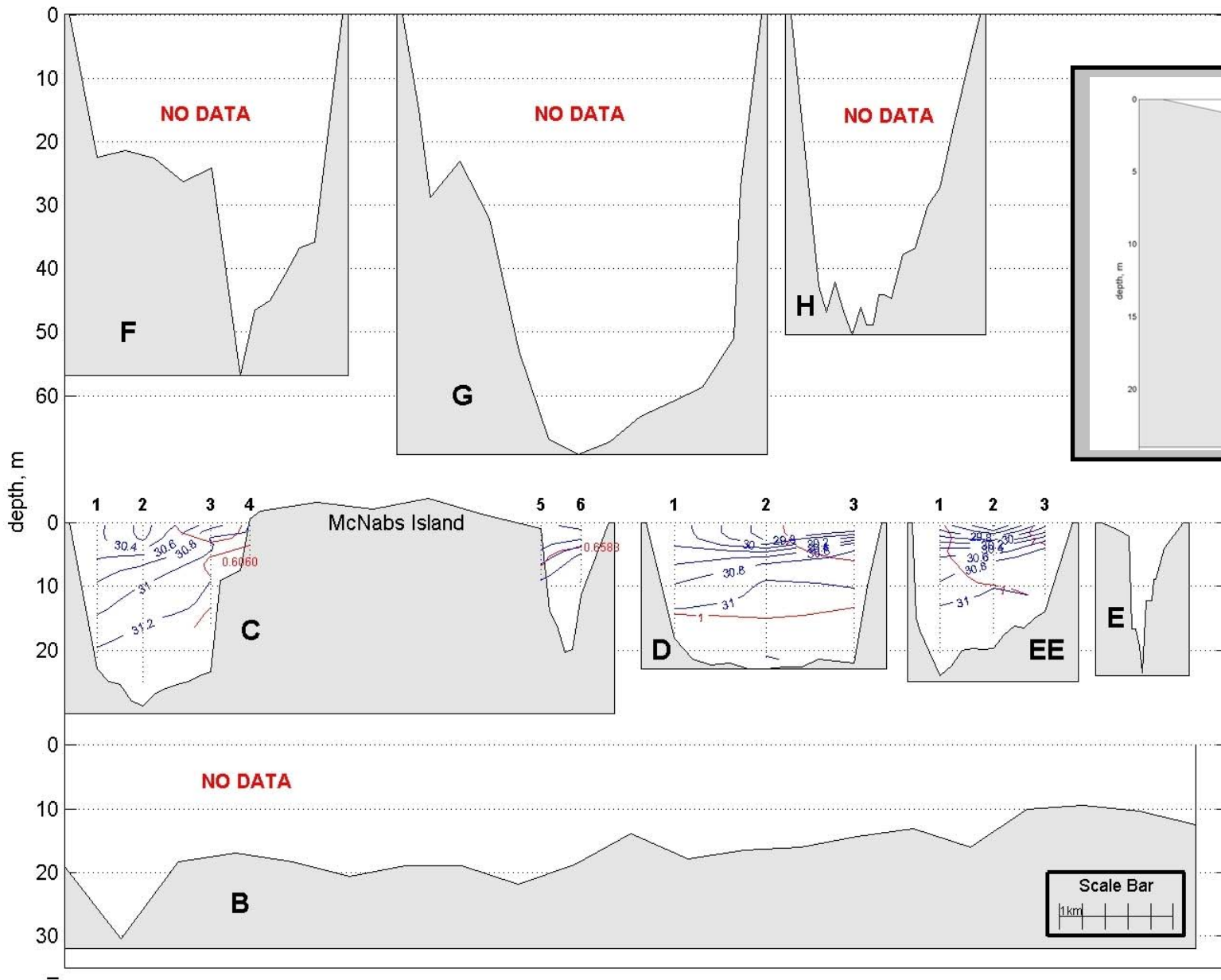
AYC was not sampled due to ice.

Sites B2 and HC were not sampled due to high winds and waves.

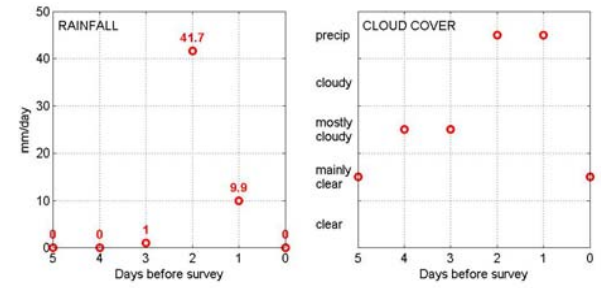
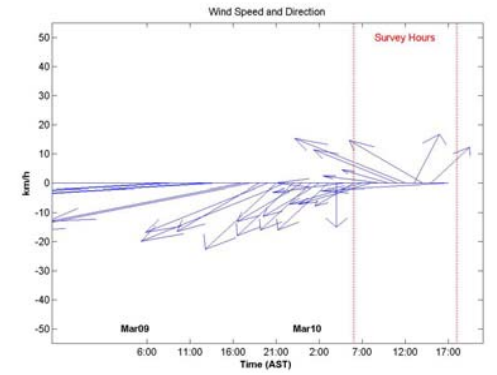
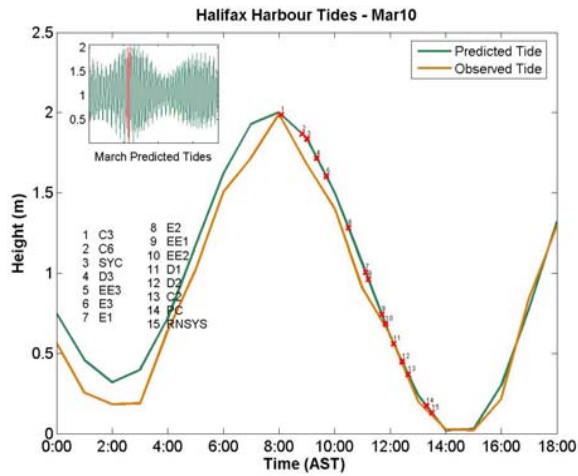
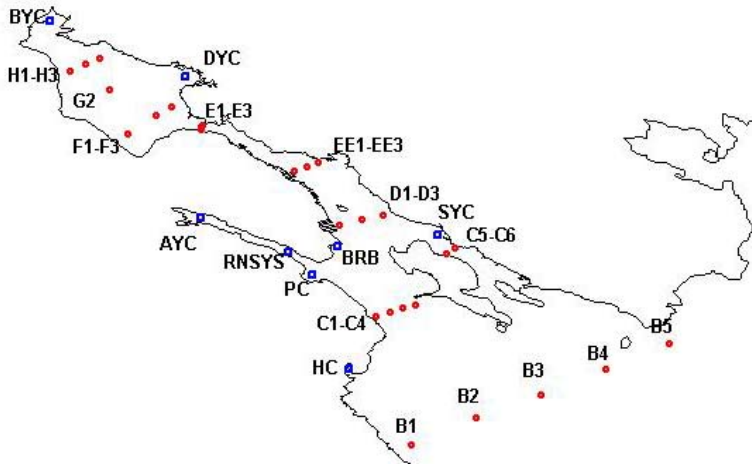
QA/QC samples:

Fecal Coliform (CFU/100ml)

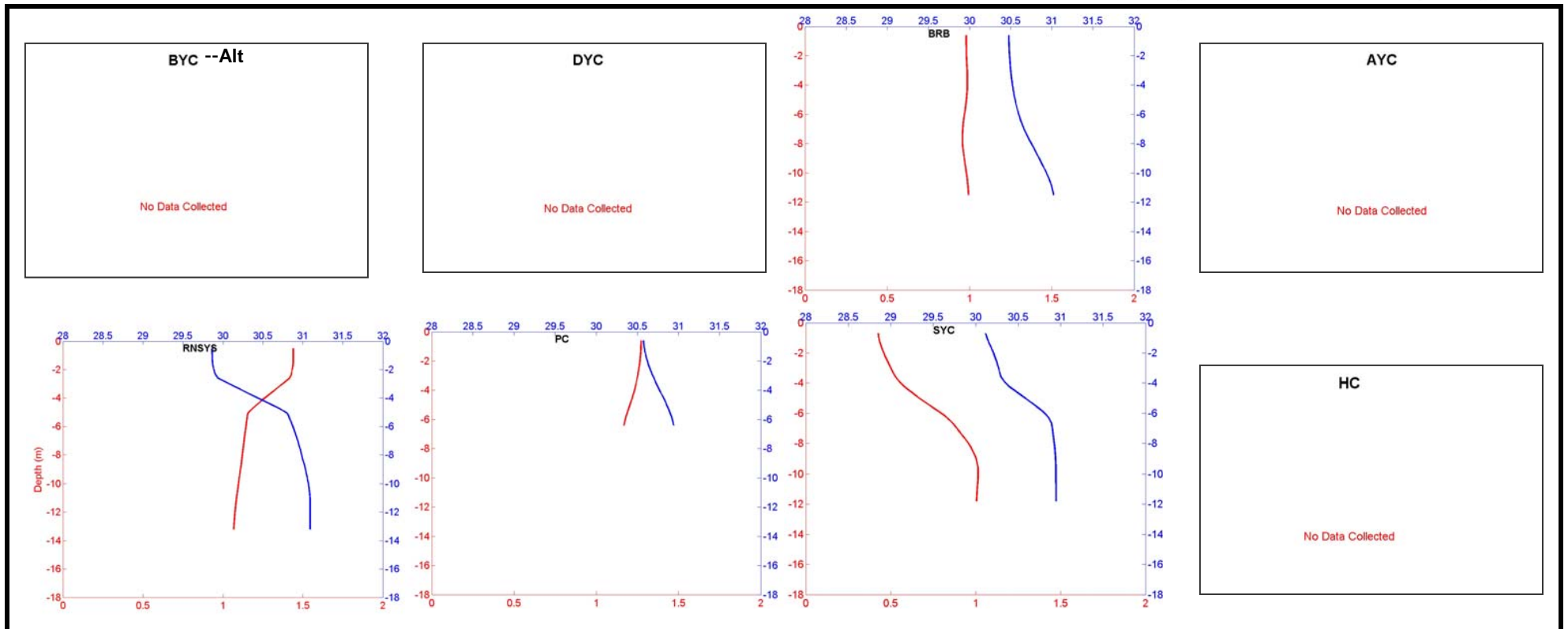
Site	C6-10m	E1-1m	D2-10m	RNSYS-1m
Reference	96	43	86	8100
QA/QC	120	120	67	7700



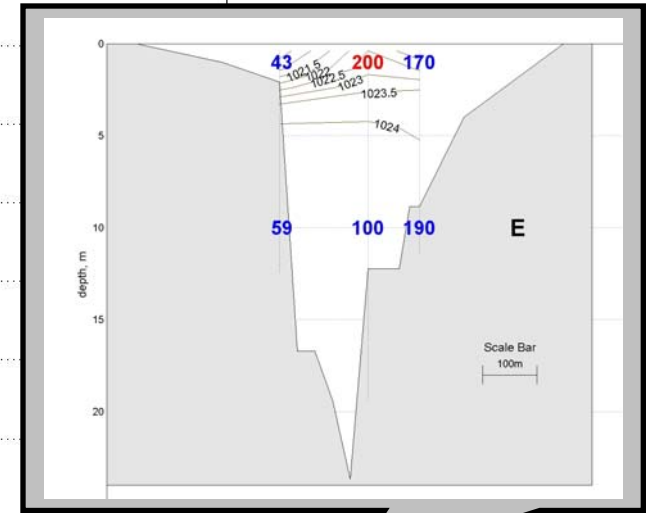
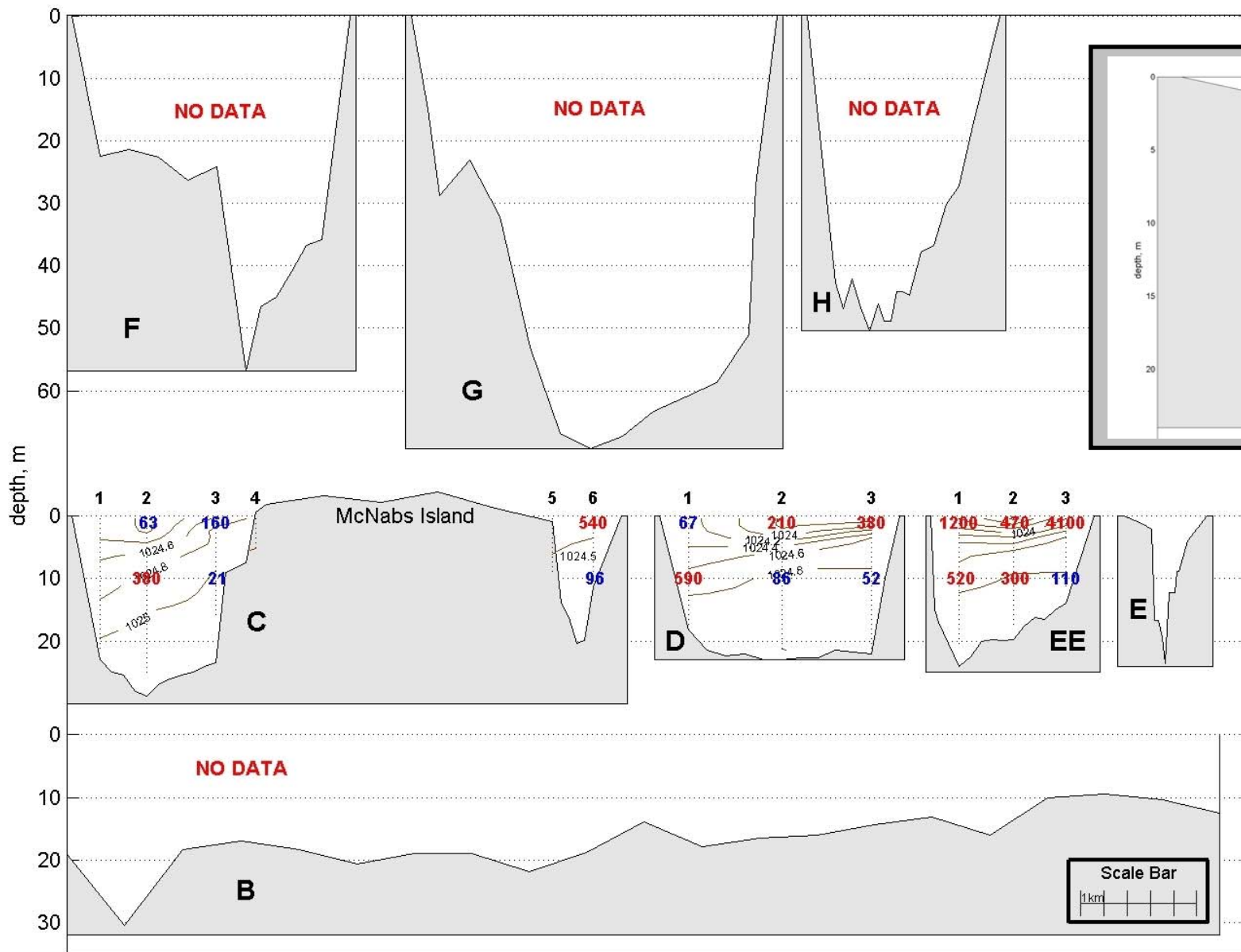
Unless otherwise labeled:
- salinity contour interval is 0.2 PSU
- temperature contour interval is 1°C.



Yacht Clubs

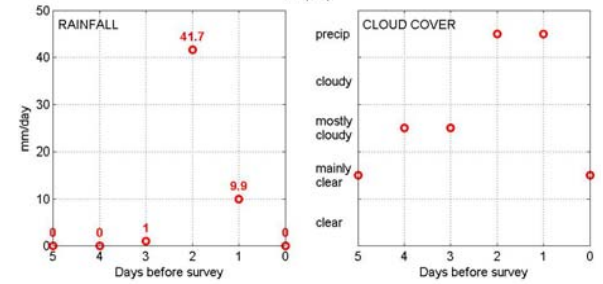
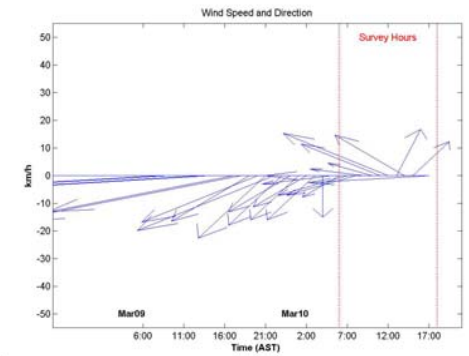
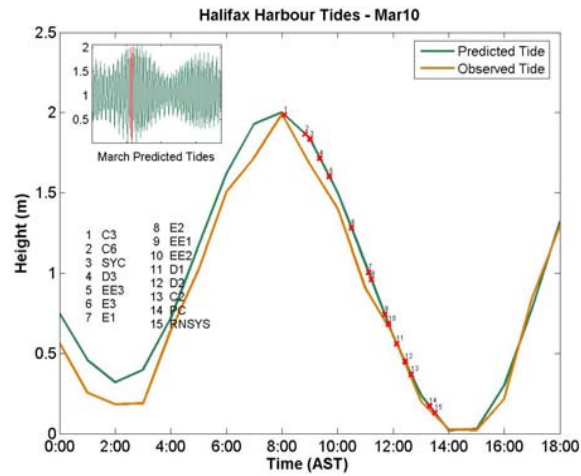
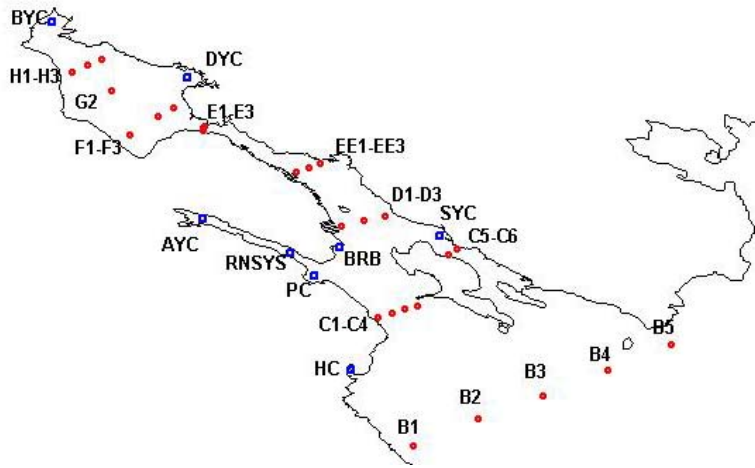


Salinity in PSU Temperature in °C

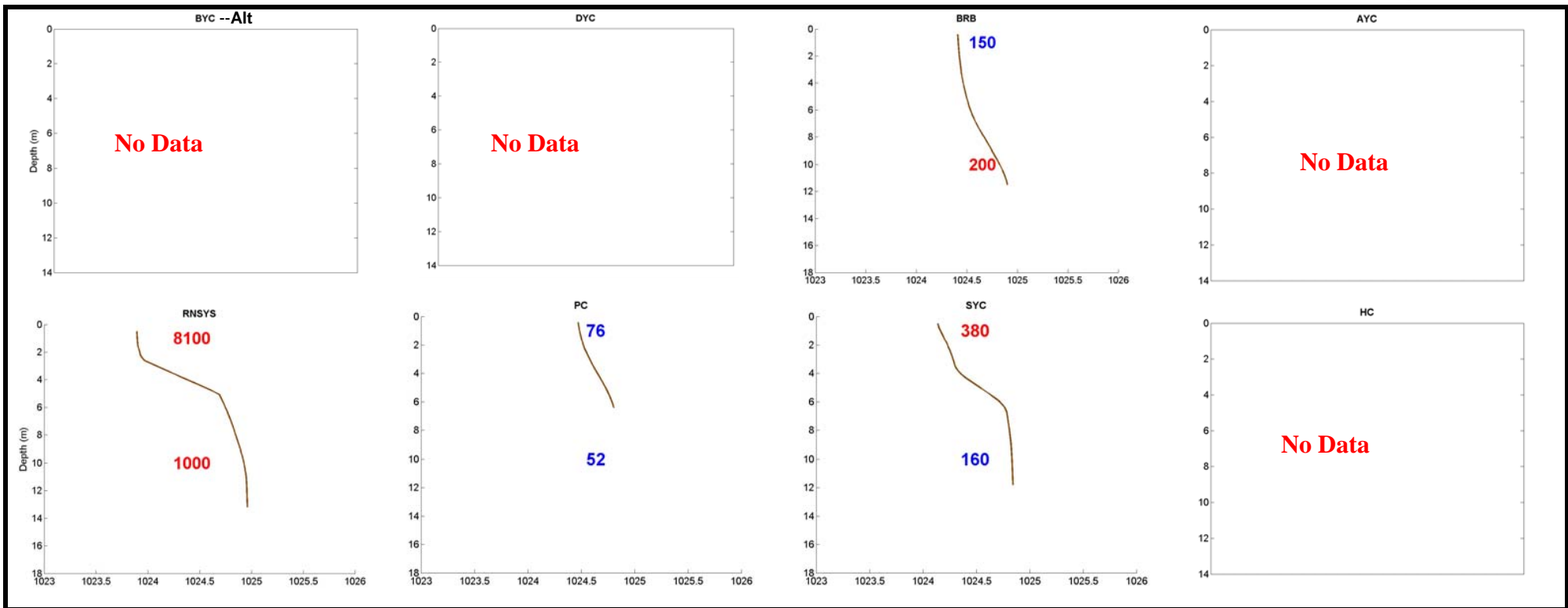


Unless otherwise labeled:
 - density contour interval is 0.2 kg/m³

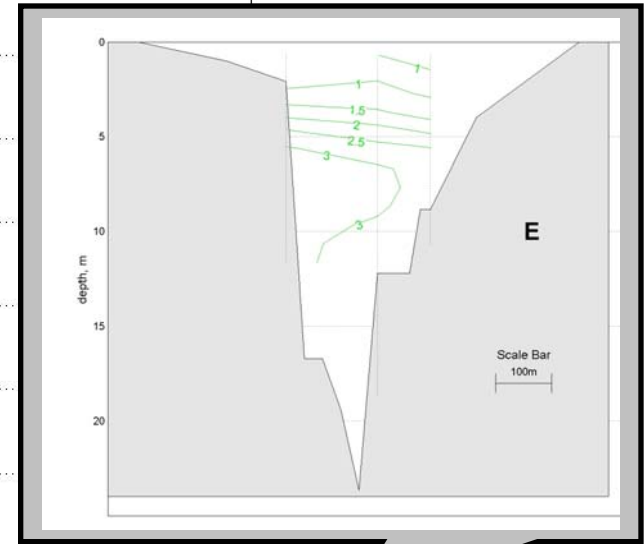
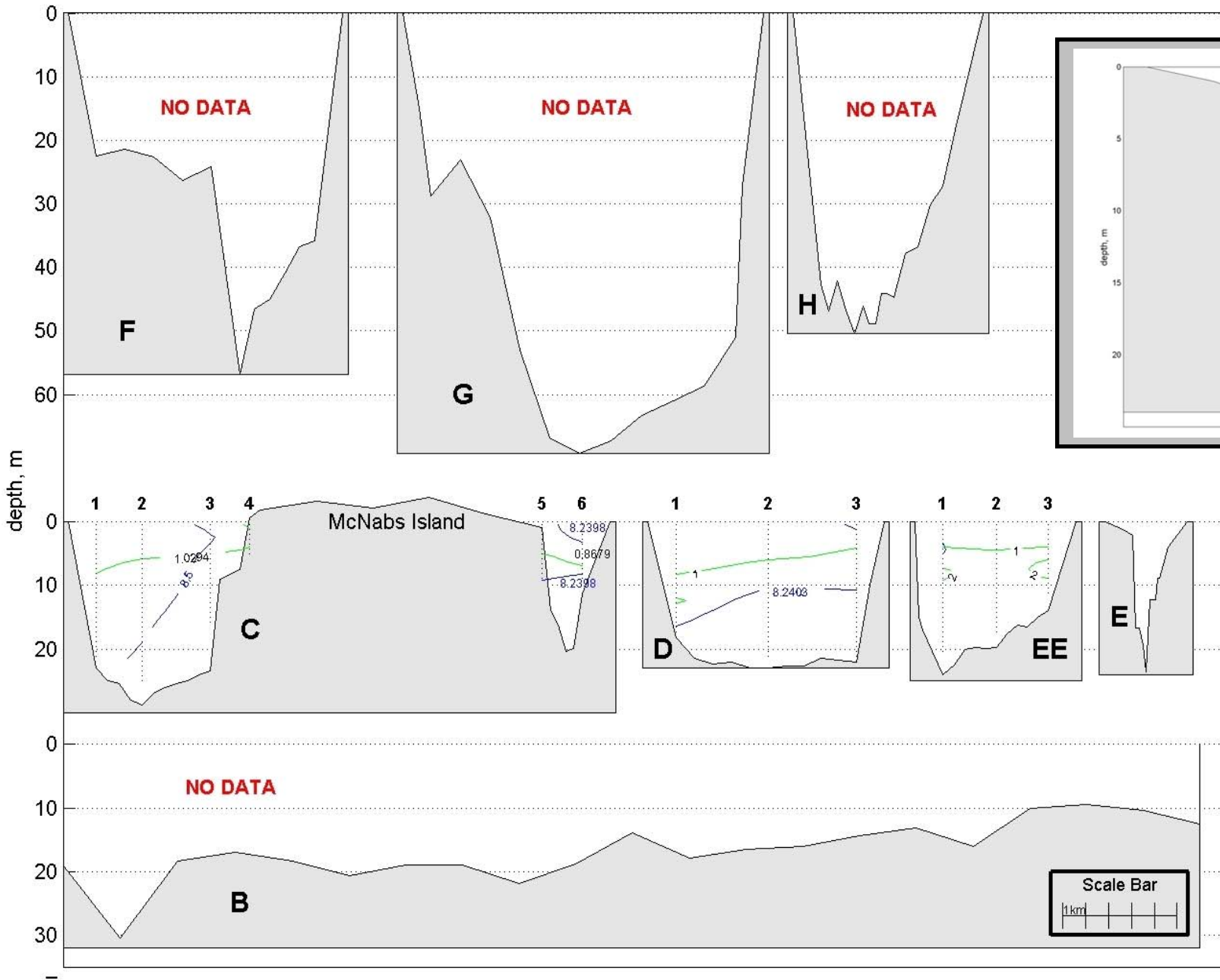
Density in kg/m³ **Fecal coliform:** above swimming limit (200 cfu/100mL)
 above shellfish limit (14 cfu/100mL)
 below limits



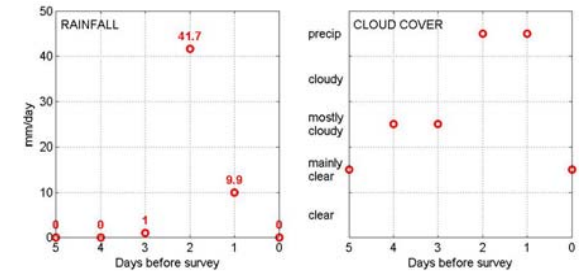
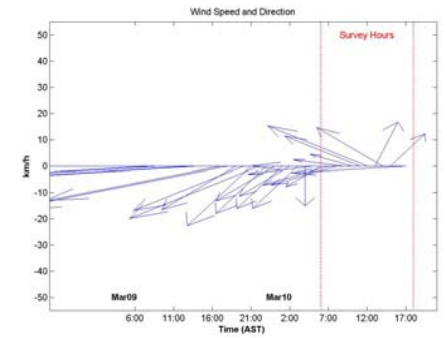
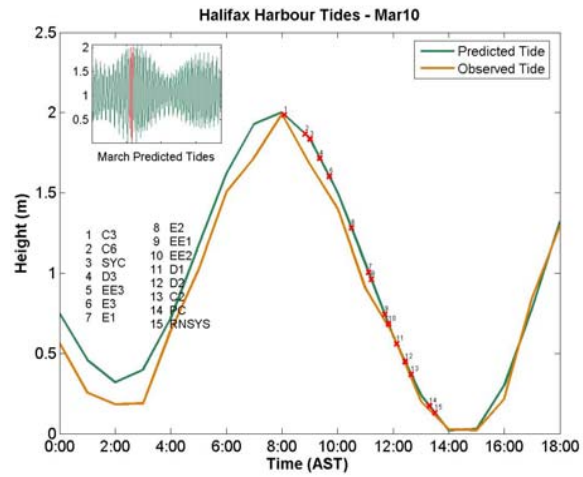
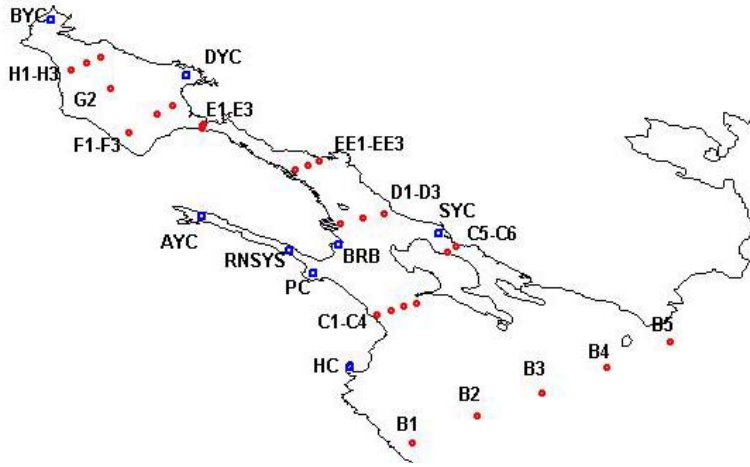
Yacht Clubs



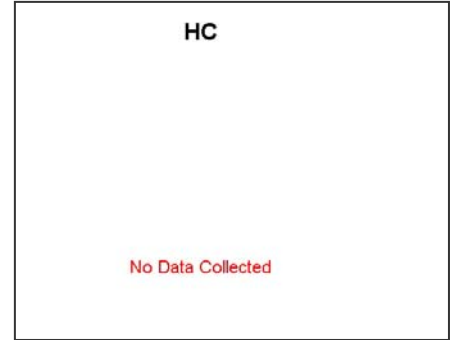
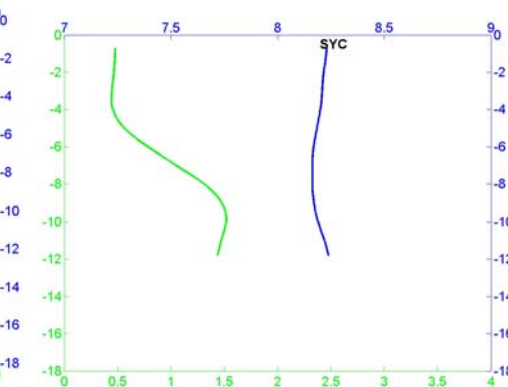
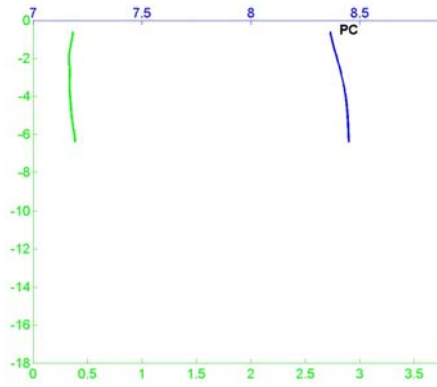
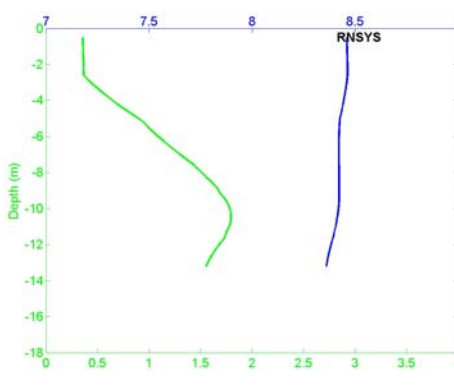
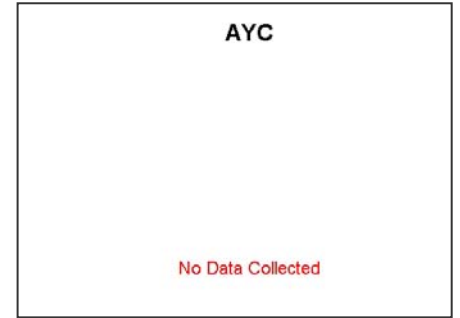
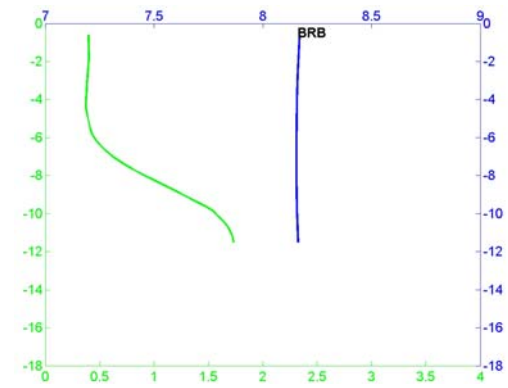
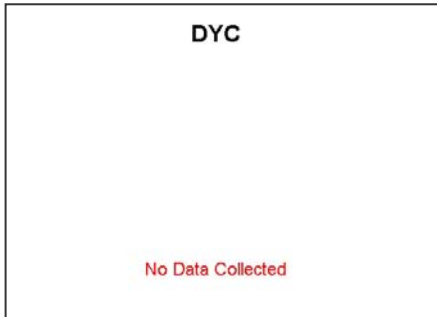
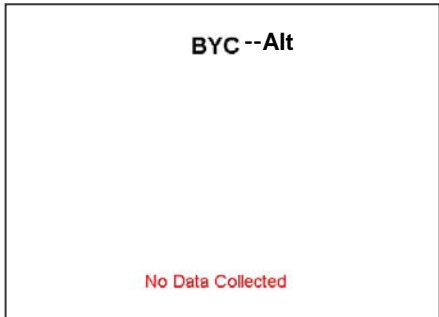
Density in kg/m³ **Fecal coliform:** above swimming limit (200 cfu/100mL)
 above shellfish limit (14 cfu/100mL)
 below limits



Unless otherwise labeled:
- **dissolved oxygen** contour interval is 0.5 mg/L
- **chlorophyll** contour interval is 1mg/m³.



Yacht Clubs



DO in mg/L Chlorophyll in mg/m³