

Halifax Harbour Water Quality Monitoring Project

Weekly Report #46

Survey Date: 03 May 2005
Nature of Survey: Coliform Survey
Report File (this document): HHWQMP_report046_050503.doc
Data File: HHWQMP_data046_050503.xls

Data Return:

Profile: 100%
Bacteria: 100%
Chemical: na
Overall: 100%

Sample Notes:

na

QA/QC samples:

Fecal Coliform (CFU/100ml)

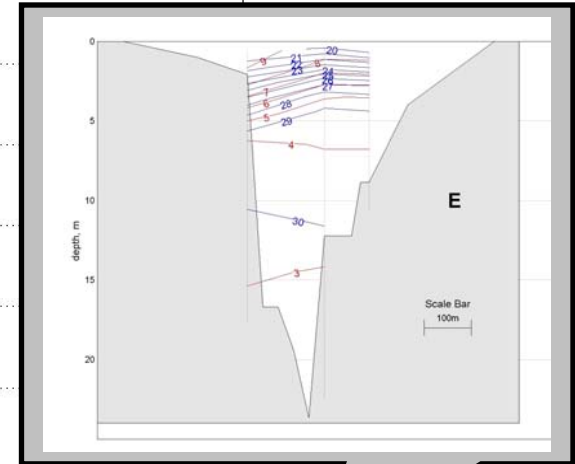
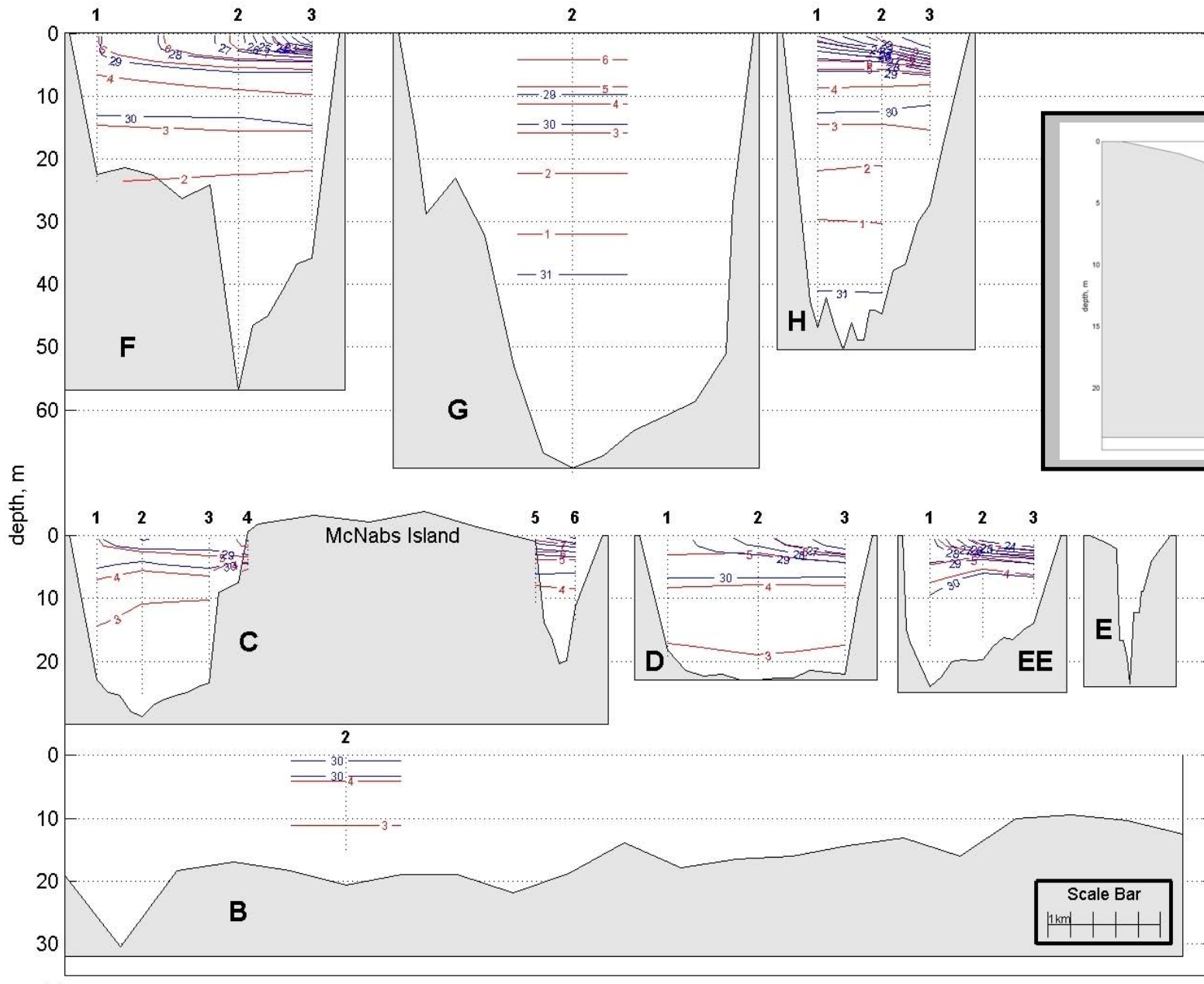
Site	EE3-1m	DYC-1m	H3-1m	PC-10m
Reference	350	82	50	32
QA/QC	640	78	61	11

Comments:

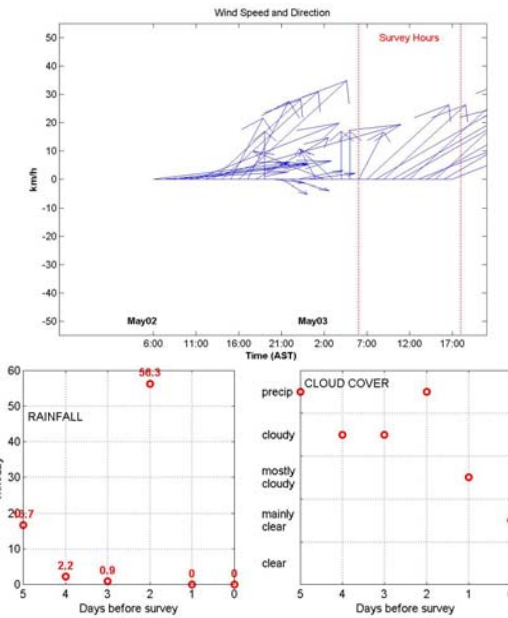
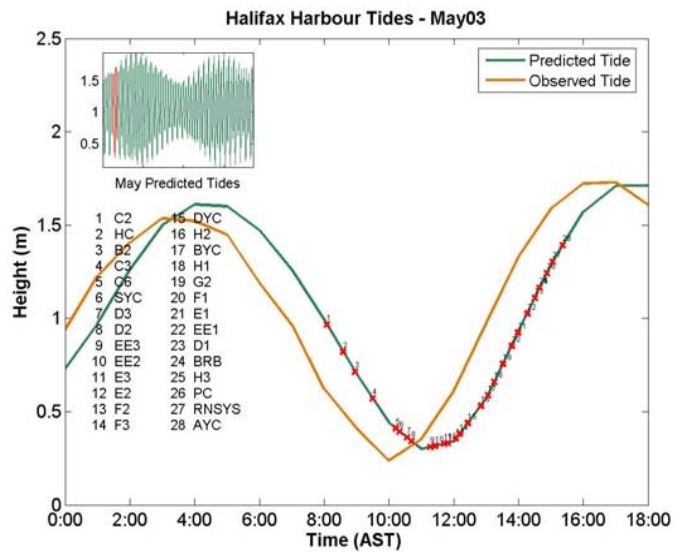
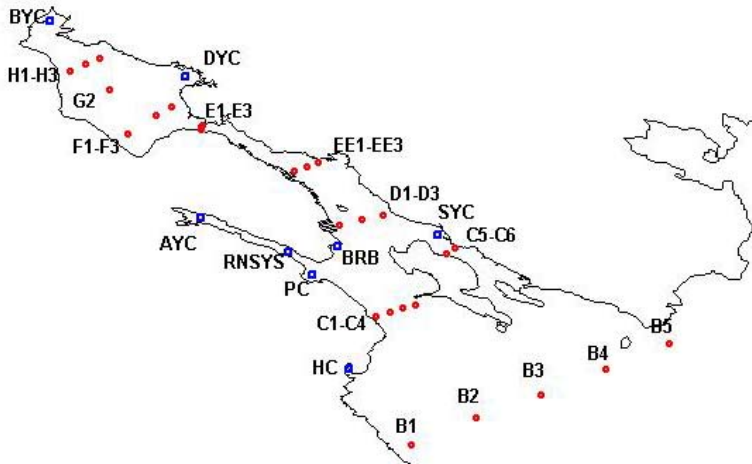
Dissolved Oxygen: Dissolved oxygen levels are very uniform throughout the Harbour, with a typical value of 8.0 mg/L. This includes the Basin, where the DO in the bottom water remains high. There are no values below applicable guidelines anywhere in the Harbour.

Chlorophyll a: In the Basin the values are similar to those of last week but the maximums are much higher in the water column (5-7 m). The maximum values 13 mg/m³ and are found at the head of the Basin (H section). South of the Narrows (section E), the values have dropped significantly to values approaching those observed in winter (<1.0 mg/m³)

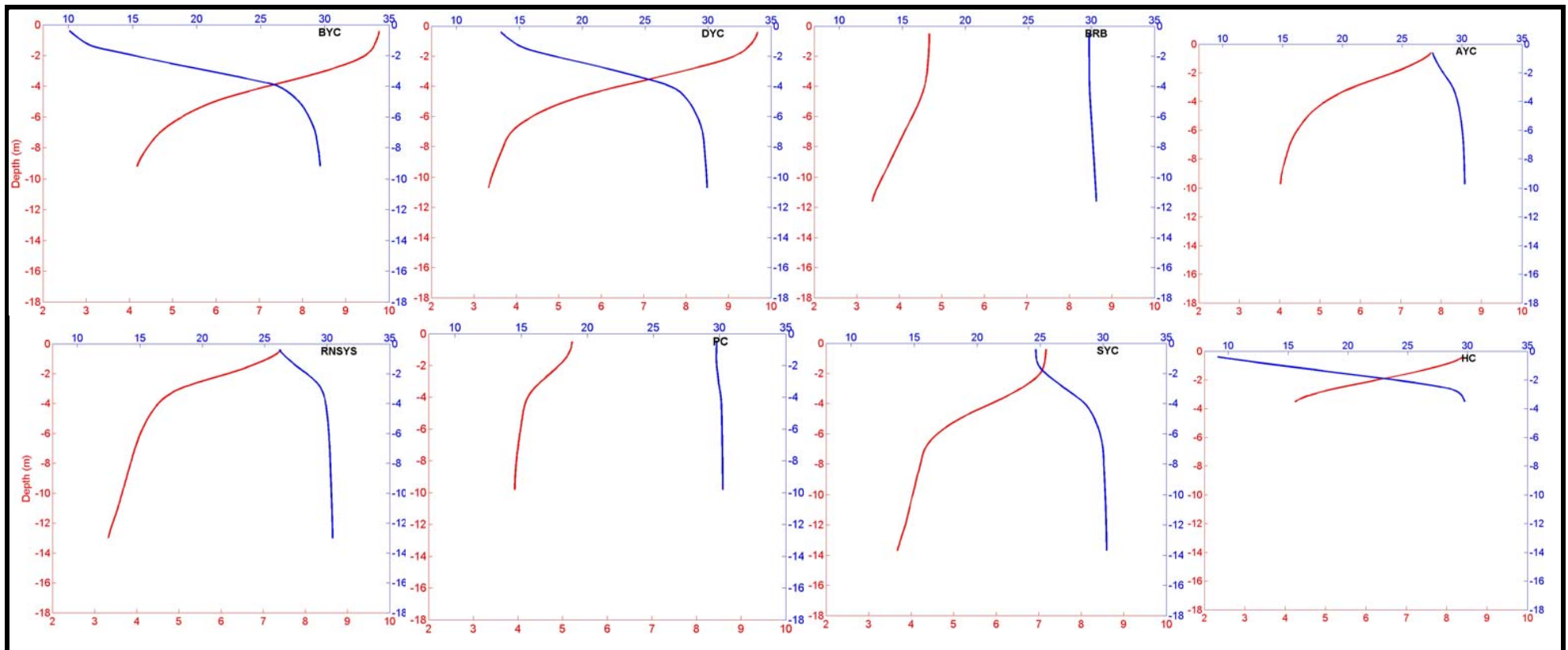
General: The Harbour is quite stratified out to MacNab's Island (C section) with fresher water lying along the eastern side of the Harbour. This displacement is likely the result of strong west and southwest winds.



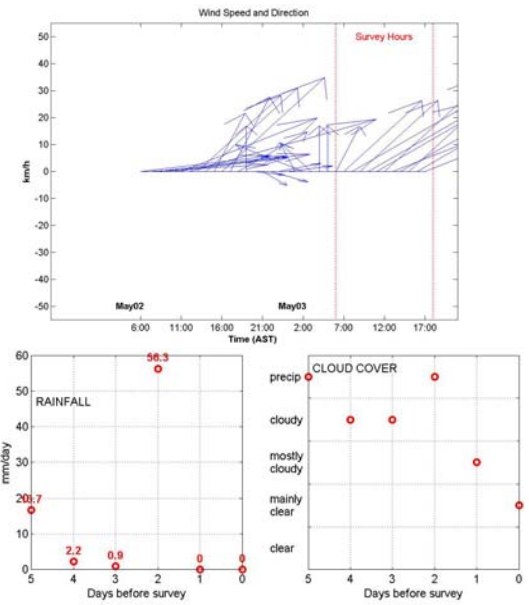
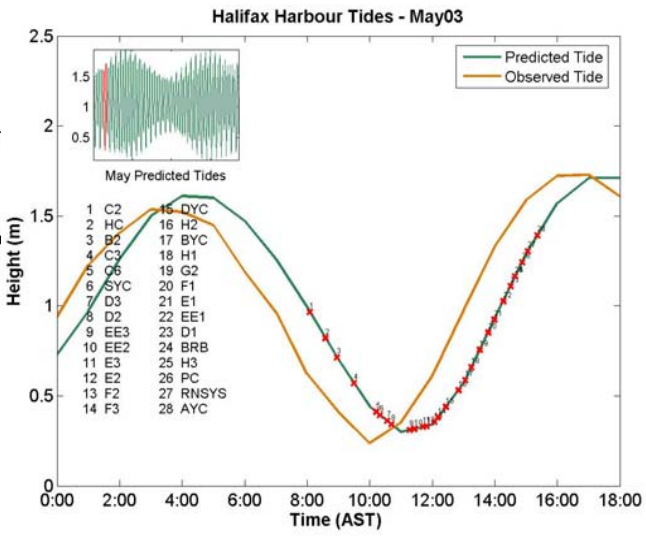
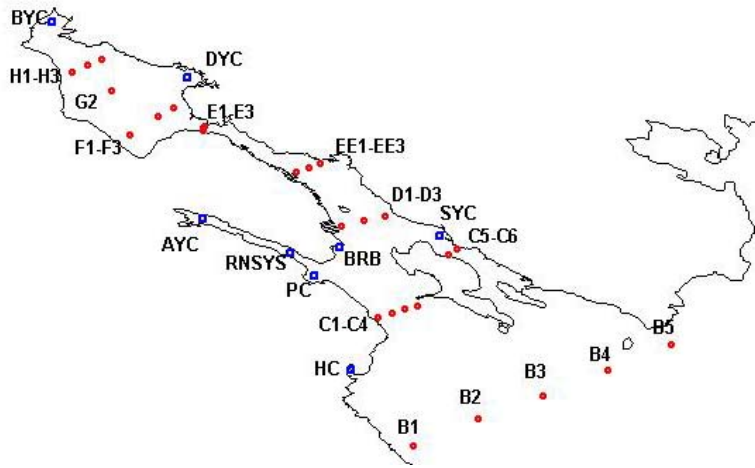
Unless otherwise labeled:
- salinity contour interval is 1 PSU
- temperature contour interval is 1°C.



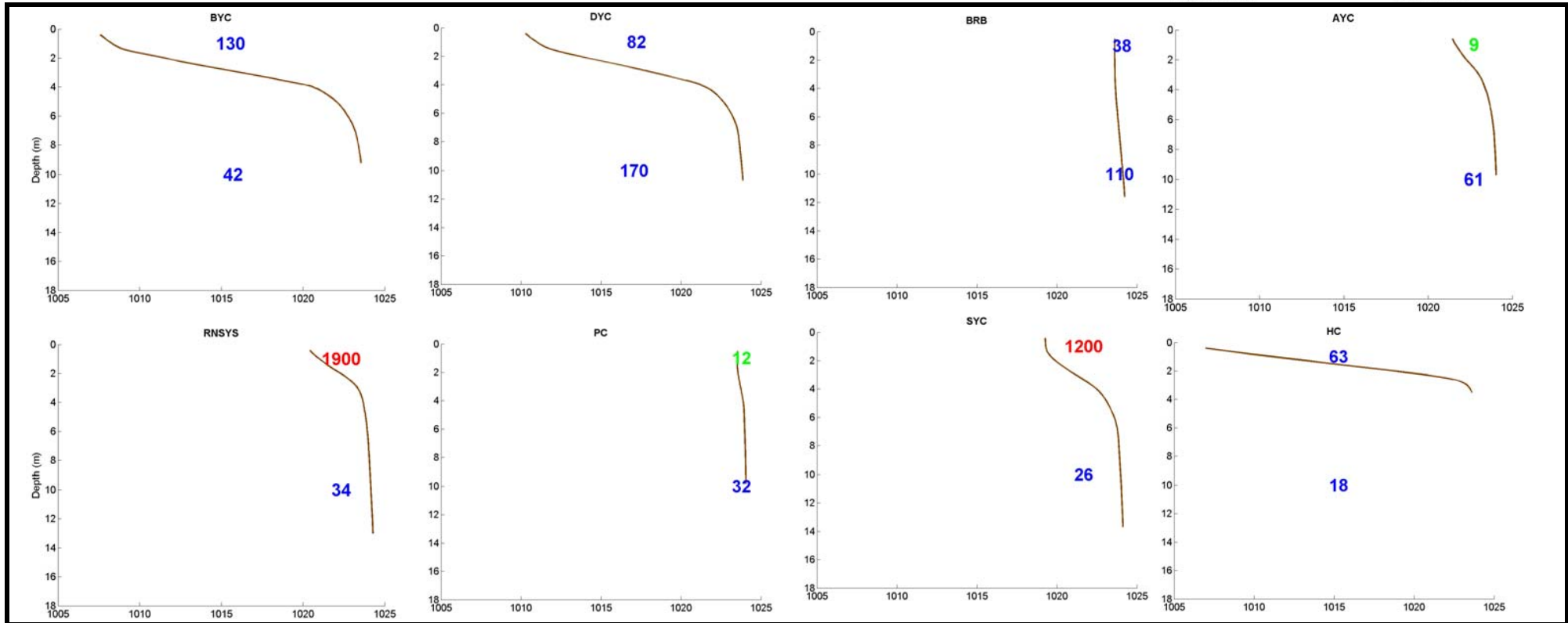
Yacht Clubs



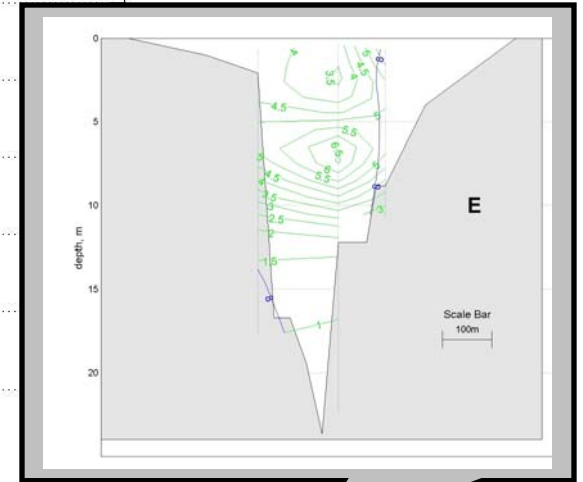
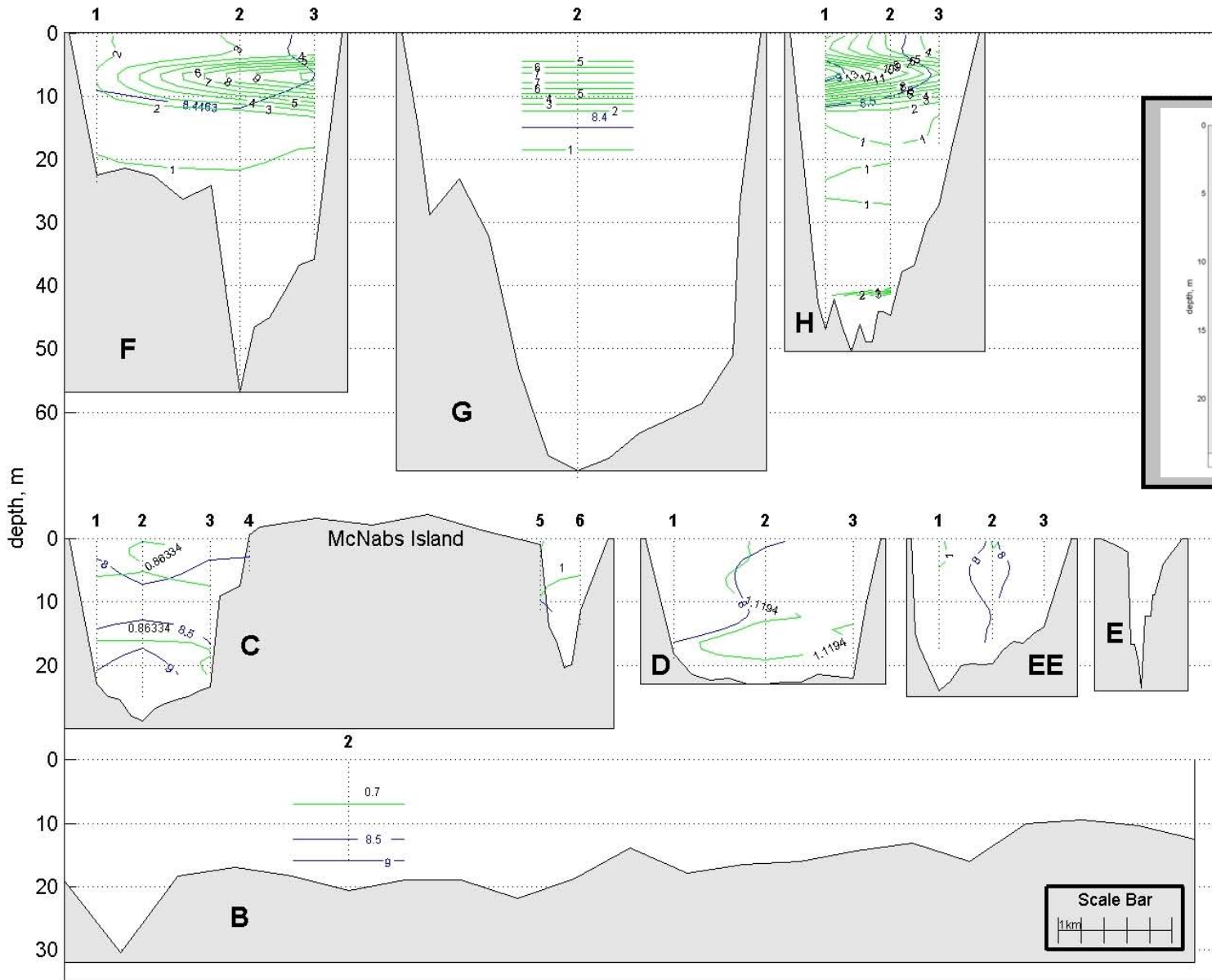
Salinity in PSU Temperature in °C



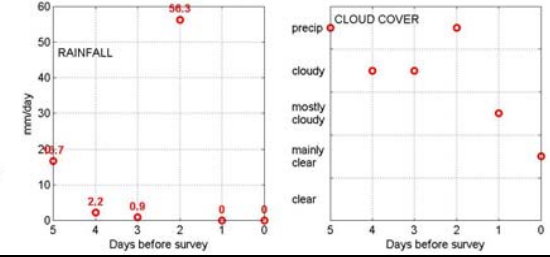
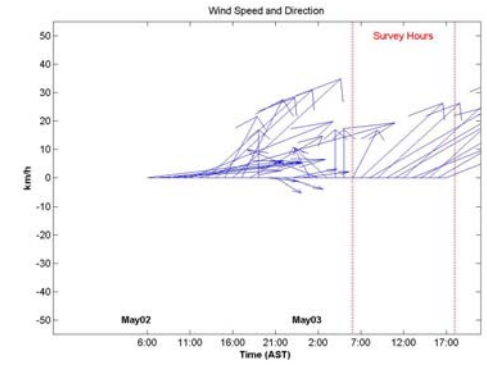
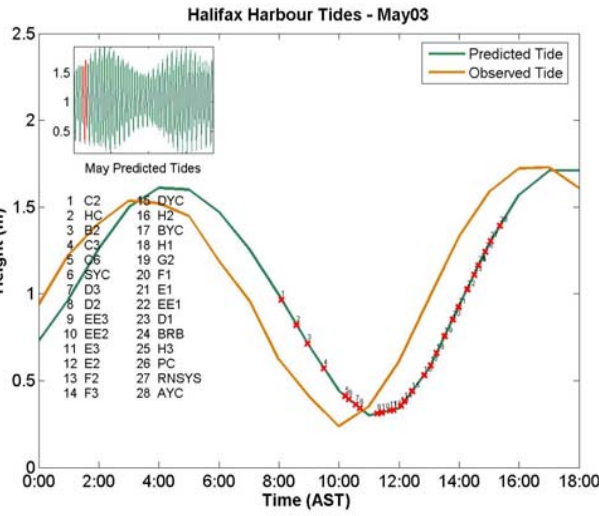
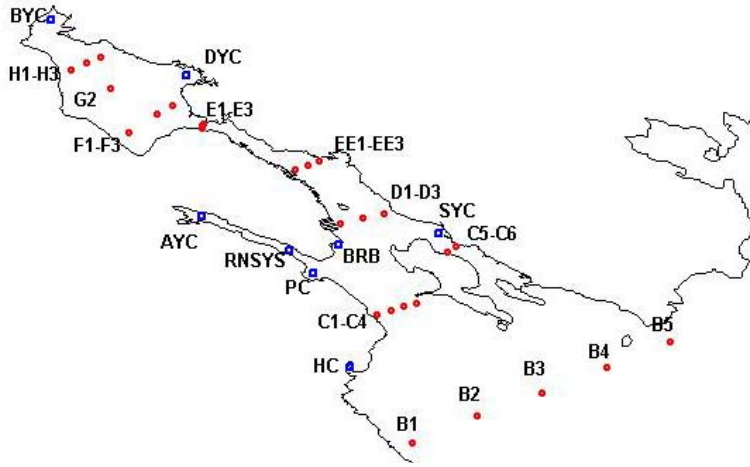
Yacht Clubs



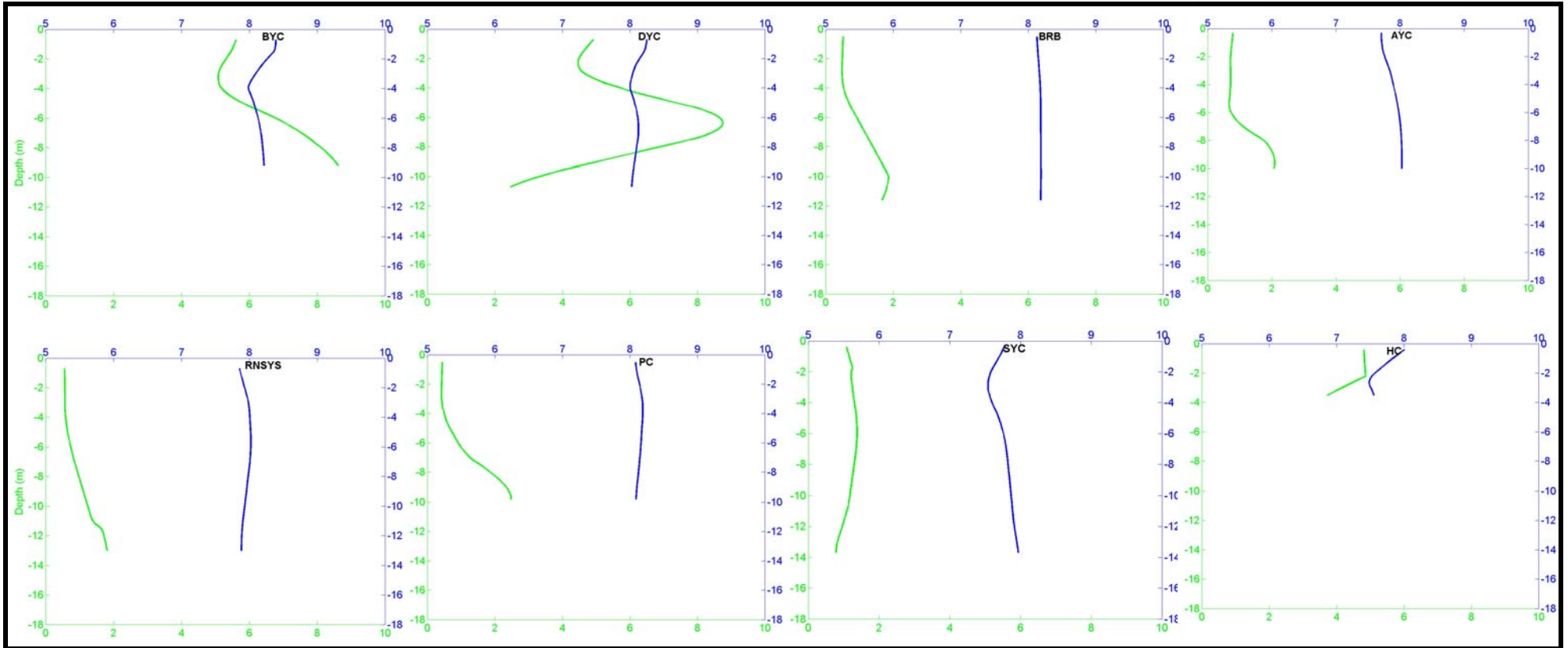
Density in kg/m³ **Fecal coliform: above swimming limit (200 cfu/100mL)**
above shellfish limit (14 cfu/100mL)
below limits



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