

Halifax Harbour Water Quality Monitoring Project Weekly Summary #25

Survey Date: 9 Dec 04
Nature of Survey: Complete Survey
Report File (this document): HHWQMP_report025_041209.doc
Data File: HHWQMP_data025_041209.xls

Data Return:

Profile: 74%
 Bacteria: 66%
 Chemical: 57%
Overall: 67%

Sample Notes:

Bedford Basin stations not sampled due to very strong North wind. Sampling cancelled by boat operator.

QA/QC samples:

Chemical Analysis		B2 -10m		
Detectable Parameter	units	reference sample	QA/QC	Dup
Total Suspended Solids	mg/L	4.4	5.7	n/a
Boron	ug/L	4400	4200	4200
Lithium	ug/L	190	190	180
Strontium	ug/L	6200	6300	6200
Titanium	ug/L	65	60	65
Uranium	ug/L	3.4	3.6	3.6

Fecal Coliform (CFU/100ml)

Site	SYC-1m	EE3-1m	E3-10m	D3-10m	C3-1m	B2-10m
Reference	3900	49000	630	740	100	4
QA/QC	1100	>10000	310	1100	880	4

Regulated parameters with all samples below detection (<EQL)

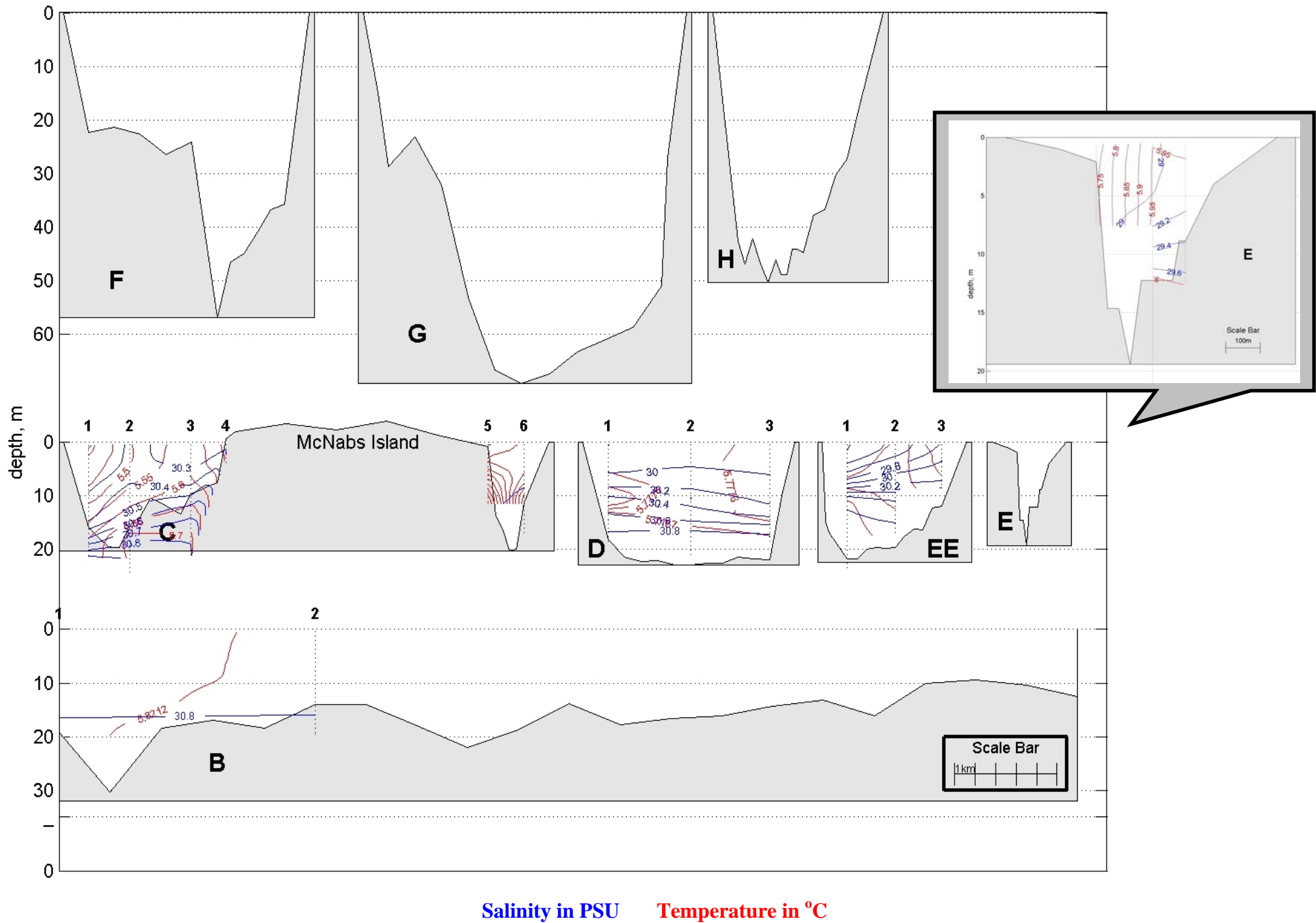
Parameter	EQL(µg/L)	Parameter	EQL(µg/L)	Parameter	EQL(mg/L)
Cadmium	3	Manganese	20	Oil and Grease	5
Chromium	20	Nickel	20	CBOD ₅	5
Copper	20	Zinc	50		
Lead	5				

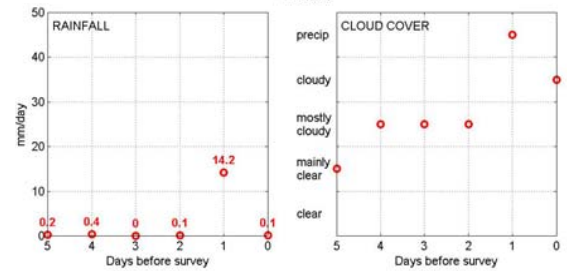
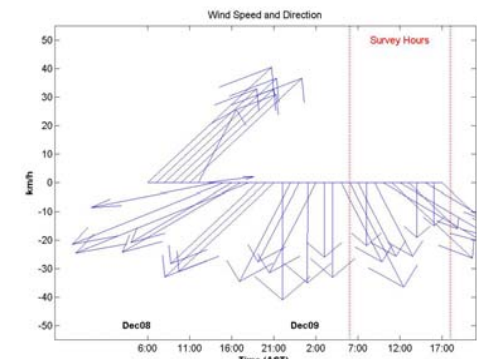
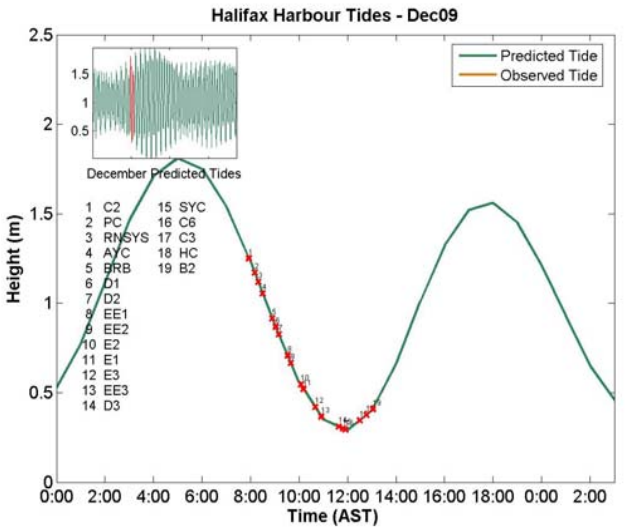
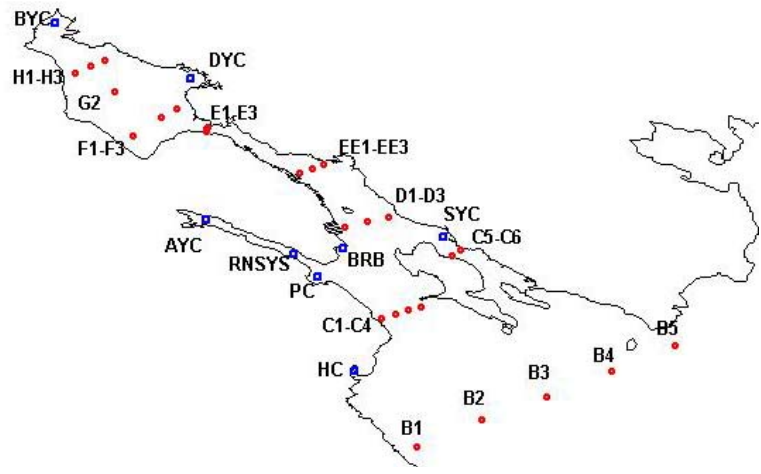
Detectable non regulated metals

Metal	EQL (µg/L)	Number >EQL	Mean (µg/L)	Range (µg/L)
Boron	500	10	4080	3700-4400
Lithium	20	10	176	160-190
Iron	500	1	550	550
Strontium	50	10	61200	5800-6300
Titanium	20	10	62	53-66
Uranium	1	10	3.5	3.3-3.6

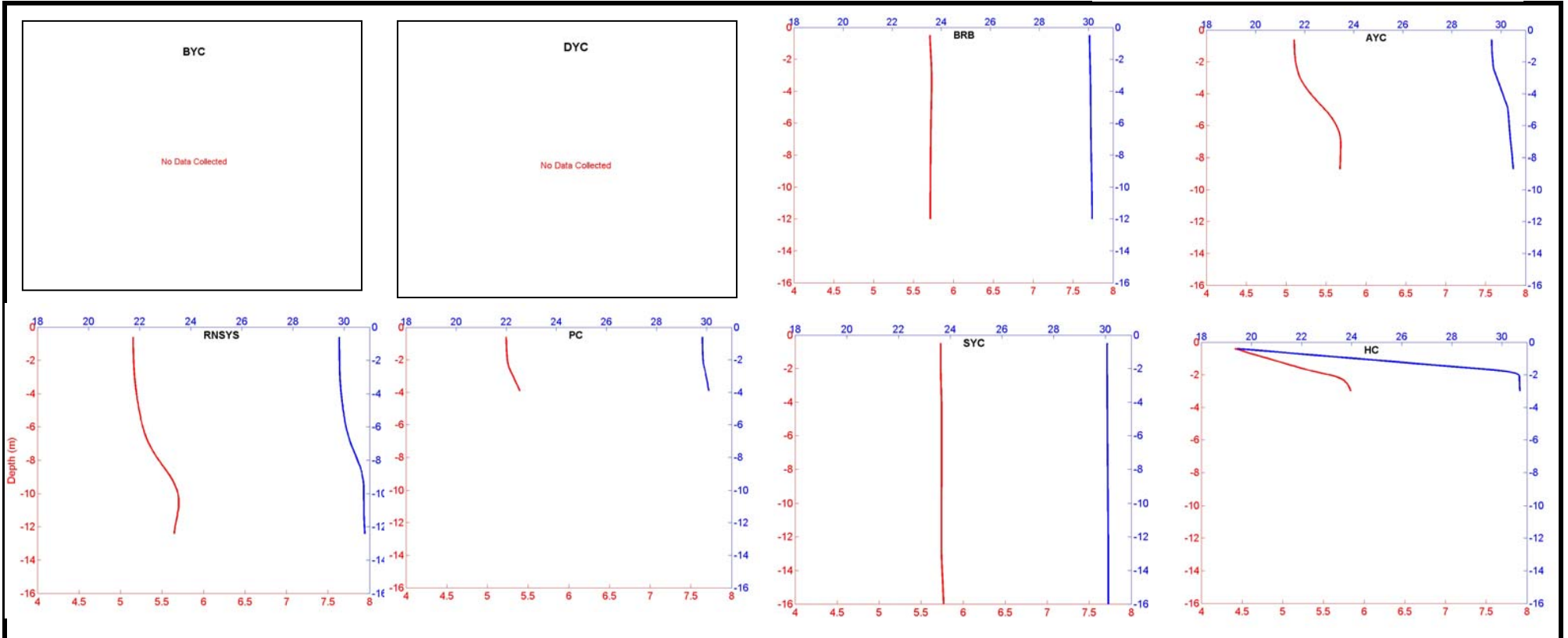
Comments:

Dissolved Oxygen: All measured DO above limits. Bedford Basin not measured.

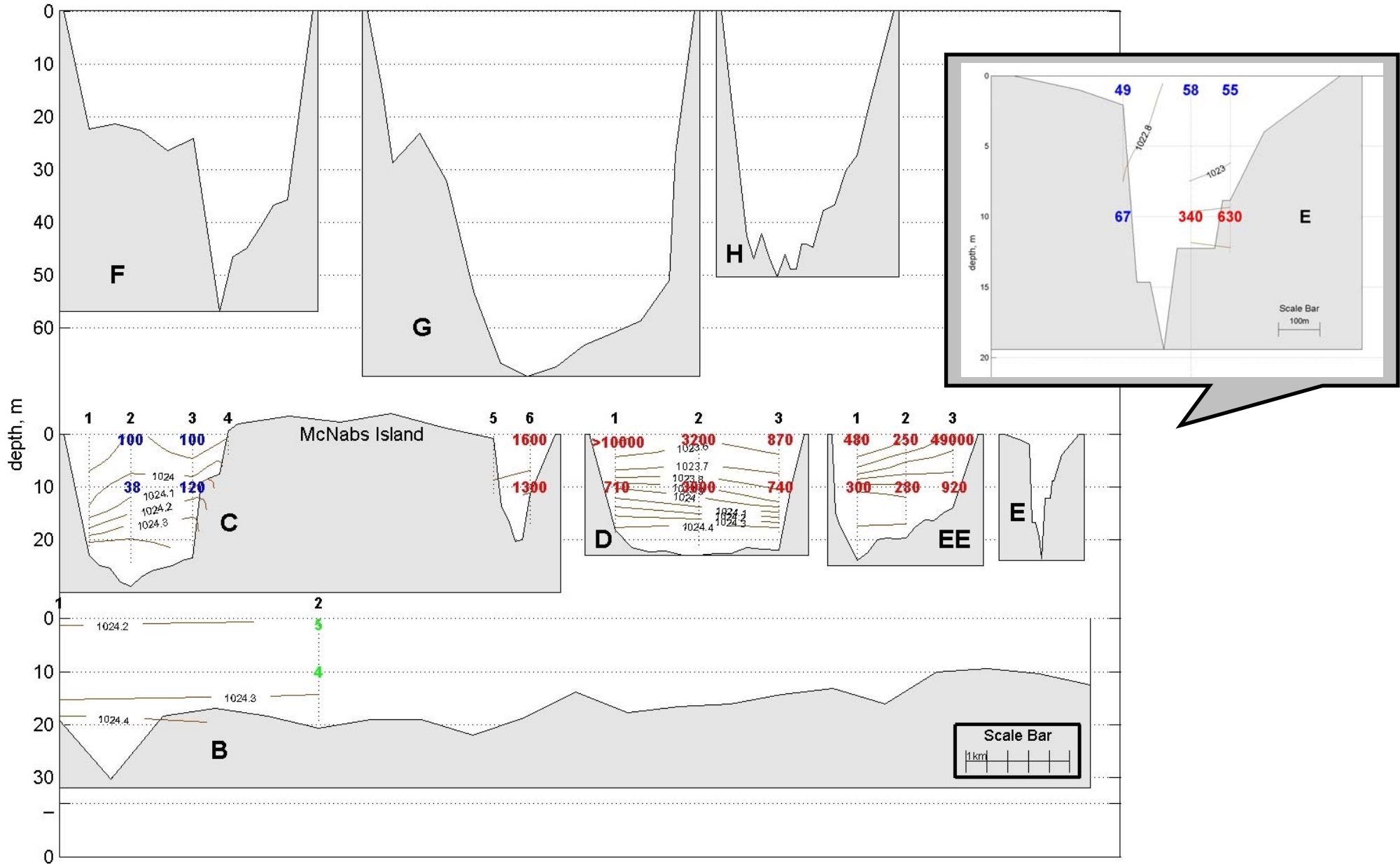




Yacht Clubs



Salinity in PSU Temperature in °C

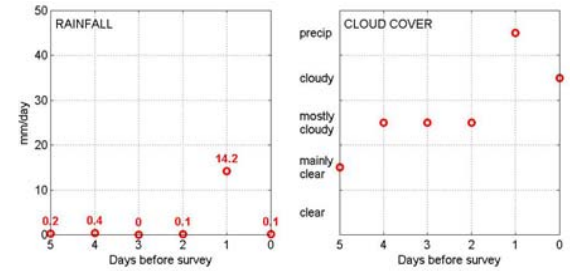
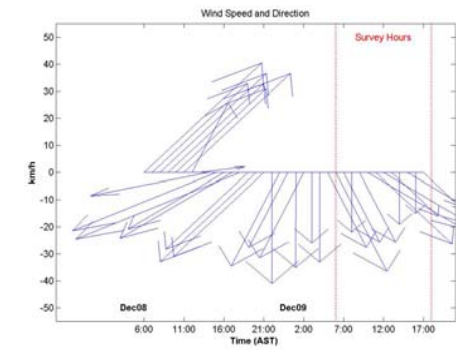
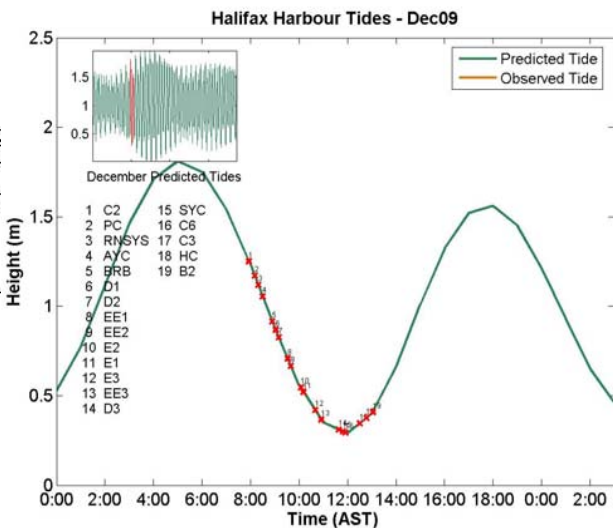
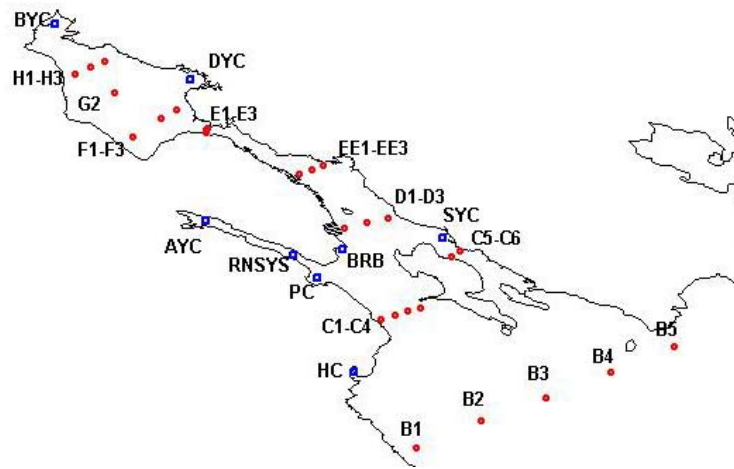


Density in kg/m³

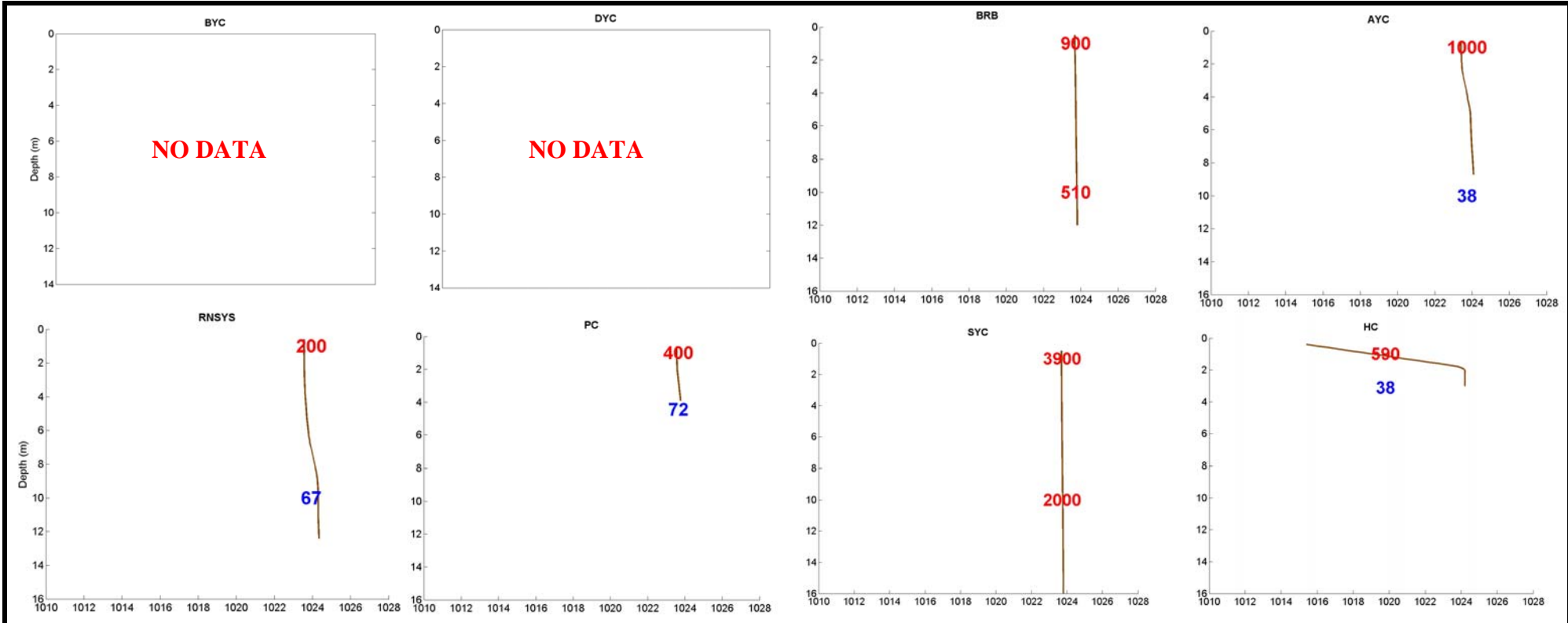
Fecal coliform: below limits

above shellfish limit (14 cfu/100mL)

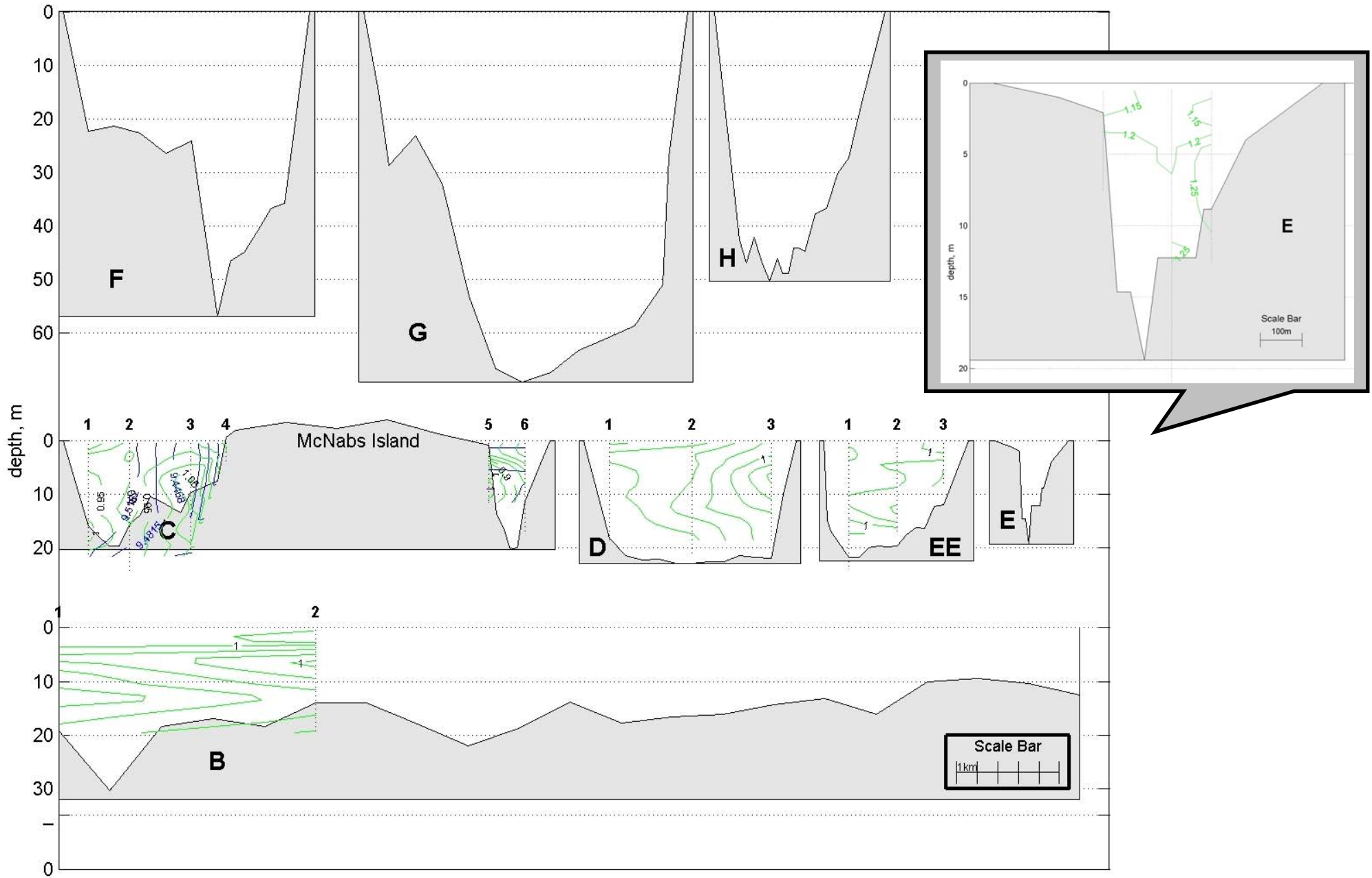
above swimming limit (200 cfu/100mL)



Yacht Clubs

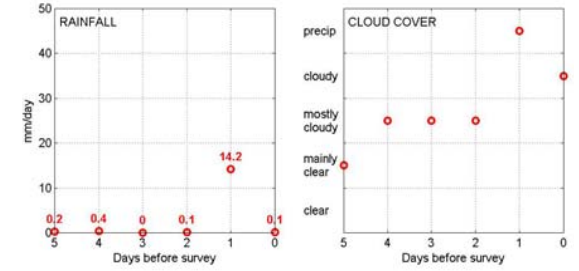
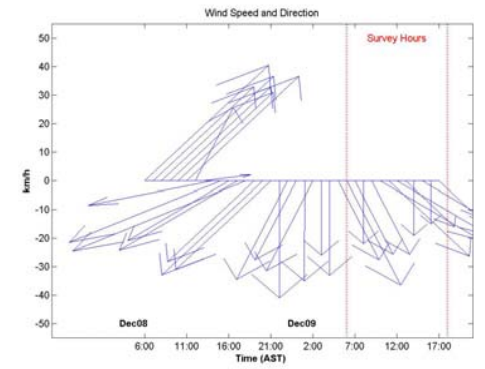
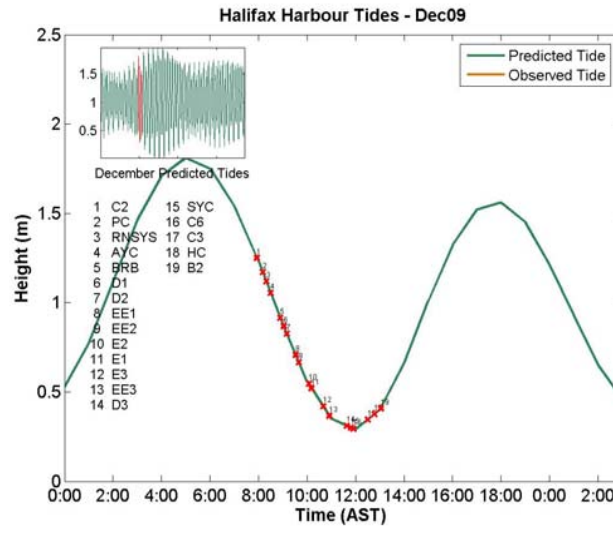
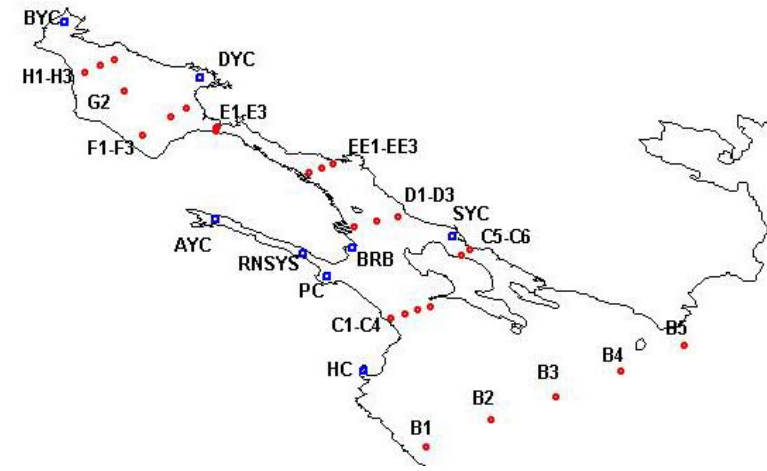


Density in kg/m³ Fecal coliform: below limits
 above shellfish limit (14 cfu/100mL)
 above swimming limit (200 cfu/100mL)

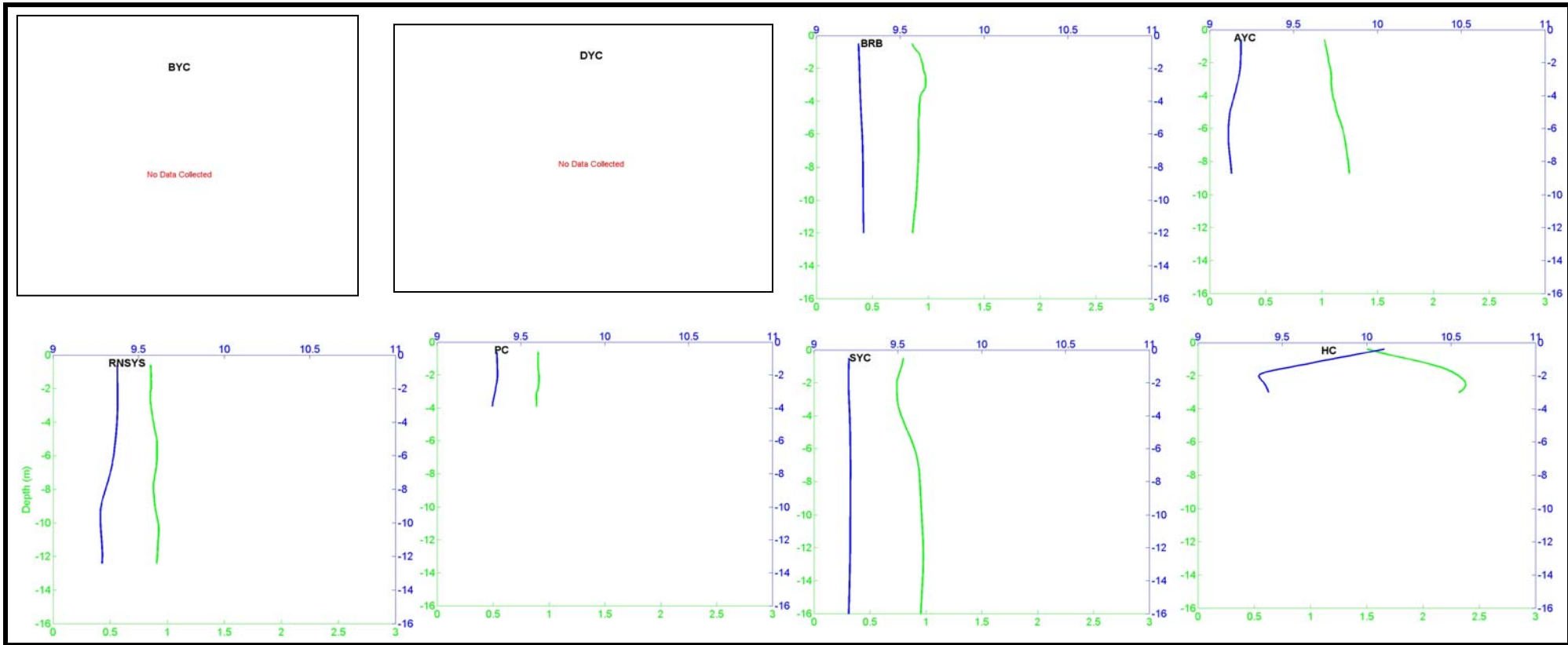


DO in mg/L

Chlorophyll in mg/m³

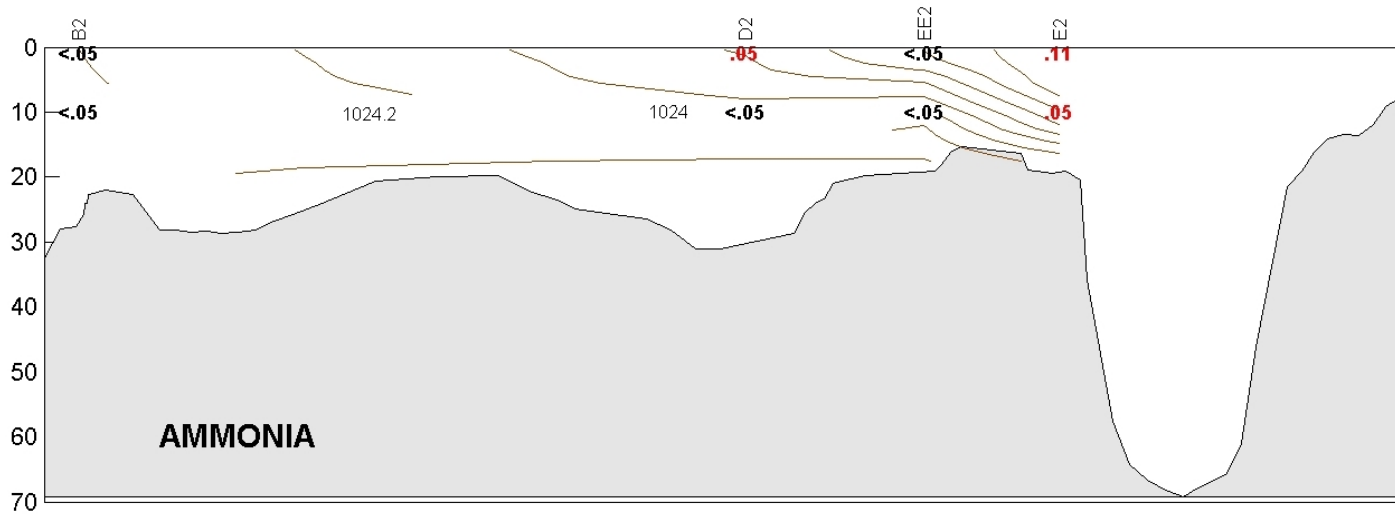
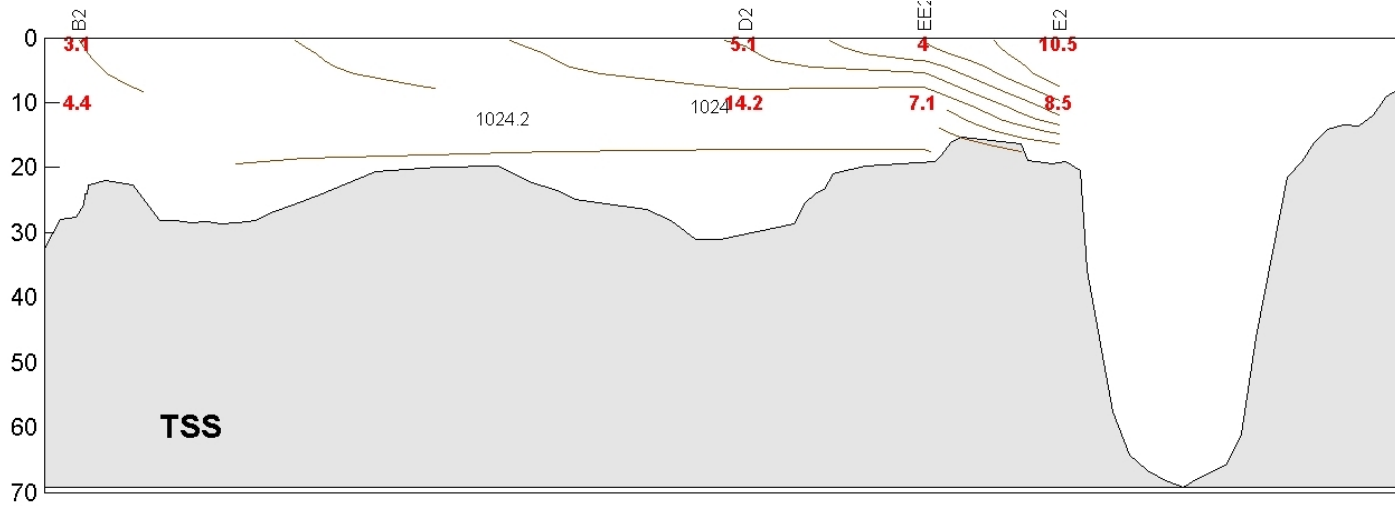
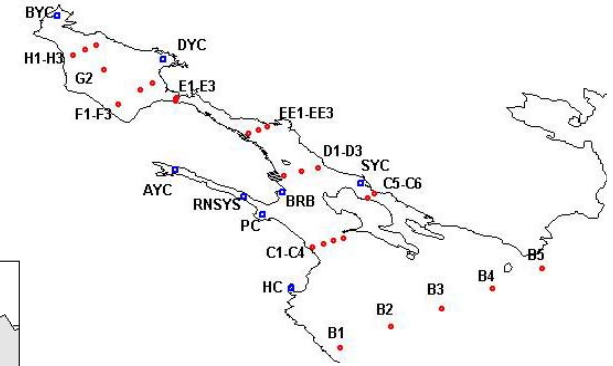


Yacht Clubs



DO in mg/L Chlorophyll in mg/m³

CHEMISTRY



Density in kg/m³

Ammonia in mg/L

TSS in mg/L

