

Data Sheet Green Harbor River Study

Date 10/11/03 Time 10:45 <sup>-12:45</sup> AM PM Tide Last low 6:27 AM Next high 12:38 PM

Tide coming in well on arrival. Still coming in strong at 12:45  
Location: In front of dike (river side) Foam

Height of water above sea level -2

Air temperature 63° F Water temperature (surface) by dike 56° F

Water temperature (1 meter deep) by dike 56° F

Secchi disk 1.5 m. Turbidity tube 103 cm.  
Water color appears Pale green (incoming tide) Rest very clear and colorless

Specific gravity (hydrometer) 1.024 Salinity by chart \_\_\_\_\_

Specific gravity (plastic float) 30 ppt Salinity \_\_\_\_\_

Specific gravity (1 meter deep) \_\_\_\_\_ Salinity by chart \_\_\_\_\_

Specific gravity (plastic float) \_\_\_\_\_ Salinity \_\_\_\_\_  
SeaTest

pH (surface) 8.2

pH \_\_\_\_\_ depth \_\_\_\_\_ Couldn't get water collection device to sink very well today.

Location: In front of dike Harbor Side

~~Secchi disk \_\_\_\_\_  
Water color appears \_\_\_\_\_  
Water temperature (surface) by dike \_\_\_\_\_  
Specific gravity (hydrometer) \_\_\_\_\_ Salinity by chart \_\_\_\_\_  
pH (surface) \_\_\_\_\_~~

Biological data: River Side

Didn't do any collecting today  
Saw cormorants and a Osprey

Still some algal blooms on S. side of river + S. side of island

Comments:

Good tidal inflows. Water looked really high on harbor side. Full moon was yesterday so it was a spring tide.

Clarity really good. Could see the bottom in most places easily.

Did a depth chart and surface salinity chart.

Data Sheet Green Harbor River Study

Date \_\_\_\_\_ Time \_\_\_\_\_ AM PM Tide \_\_\_\_\_

Location: In front of dike (river side)

Height of water above sea level \_\_\_\_\_

**2003 OCTOBER 2003**

Morning		BOSTON	Afternoon	
<b>HIGH</b>	8:06	<b>SUNDAY</b>	<b>HIGH</b>	8:22
Height	9.1	<b>5</b>	Height	10.1
<b>LOW</b>	1:44		<b>LOW</b>	2:00
Height	0.4		Height	1.3
Sunrise	6:44		Sunset	6:21
<b>HIGH</b>	9:07	<b>MONDAY</b>	<b>HIGH</b>	9:23
Height	9.3	<b>6</b>	Height	10.2
<b>LOW</b>	2:47		<b>LOW</b>	3:02
Height	0.4		Height	1.0
Sunrise	6:45		Sunset	6:19
<b>HIGH</b>	9:59	<b>TUESDAY</b>	<b>HIGH</b>	10:16
Height	9.6	<b>7</b>	Height	10.2
<b>LOW</b>	3:41		<b>LOW</b>	3:57
Height	0.3		Height	0.7
Sunrise	6:46		Sunset	6:17
<b>HIGH</b>	10:45	<b>WEDNESDAY</b>	<b>HIGH</b>	11:03
Height	9.9	<b>8</b>	Height	10.2
<b>LOW</b>	4:29		<b>LOW</b>	4:46
Height	0.3		Height	0.4
Sunrise	6:47		Sunset	6:15
<b>HIGH</b>	11:25	<b>THURSDAY</b>	<b>HIGH</b>	11:45
Height	10.1	<b>9</b>	Height	10.1
<b>LOW</b>	5:11		<b>LOW</b>	5:30
Height	0.3		Height	0.3
Sunrise	6:48		Sunset	6:14
<b>HIGH</b>	—	<b>FRIDAY</b>	<b>HIGH</b>	12:02
Height	—	<b>10</b>	Height	10.2
<b>LOW</b>	5:50		<b>LOW</b>	6:11
Height	0.4		Height	0.2
Sunrise	6:49	FULL MOON	Sunset	6:12
<b>HIGH</b>	12:25	<b>SATURDAY</b>	<b>HIGH</b>	12:38
Height	10.0	<b>11</b>	Height	10.2
<b>LOW</b>	6:27		<b>LOW</b>	6:50
Height	0.6		Height	0.2
Sunrise	6:50		Sunset	6:10
		<b>OCTOBER</b>		

Eastern Standard Time - Corrected For Daylight Savings Time

Air temperature \_\_\_\_\_ Water temperature (at \_\_\_\_\_)

Water temperature (1 meter deep) by dike \_\_\_\_\_

Secchi disk \_\_\_\_\_

Water color appears \_\_\_\_\_

Specific gravity (hydrometer) \_\_\_\_\_ Salinity \_\_\_\_\_

Specific gravity (plastic float) \_\_\_\_\_ Salinity \_\_\_\_\_

Specific gravity (1 meter deep) \_\_\_\_\_ Salinity \_\_\_\_\_

Specific gravity (plastic float) \_\_\_\_\_ Salinity \_\_\_\_\_

pH (surface) \_\_\_\_\_

pH (depth) \_\_\_\_\_

Location: In front of dike Harbor Side

Secchi disk \_\_\_\_\_

Water color appears \_\_\_\_\_

Water temperature (surface) by dike \_\_\_\_\_

Specific gravity (hydrometer) \_\_\_\_\_ Salinity by chart \_\_\_\_\_

pH (surface) \_\_\_\_\_

Biological data: River side

Comments: \_\_\_\_\_