

**Snapshot Day 10/14/10 Data**  
**(Salt Front RM 36)**  
**RIVER MILE -7 Ft. Wadsworth**  
**Gerri Kobryn-Blatter, National Parks Service, NPNH Education Center**  
**Mary Lee - St. Clare's – 7<sup>th</sup> grade, 40 students**  
**GPS latitude N40°.35.926 W 074°.03.273**

**Location:** Battery Weed, just north of the Verrazano Bridge, Staten Island

**Area:** Shoreline is rocky, banks are stone walls next to fort, collected wood/debris in the area

**Surrounding Area:** 30% forested – 75% beach, 5% Industrial/commercial - historic fort next to the Verrazano Bridge

**River Bottom:** sandy

**Water Depth:** 3-4 ft

**Plants in water:** mug wort 40% and some phragmites 16%

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	18.5° C 18.5° C 17.5 ° C	63.5° F	
	11:05 Am	26 ° C 17.5 ° C		
	11:35 AM	20 ° C	68 ° F	
Wind Speed	Beaufort 3 to 4	9-13 knots	SE	9 MPH variable
Cloud Cover	Mostly cloudy	10:30 AM – 11:35 AM		
Weather	Cloudy, decreasing wind, some rain			
Weather yesterday	Some light wind and rain			
Water Surface	Choppy			
<i>Water Temperature</i>	10:25 Am	20° C		
<i>Turbidity</i>		63 cm 65 cm 63cm		Average 63.7 cm
<i>Chlorophyll</i>	11:30 AM	0.0		
<i>Chemical</i>				
DO - tablet	10:21 AM	4.0 ppm	17° C	37%
pH - tablet	10:17 AM	7.0 8.0 7.0		Average 7.03

Alkalinity				
Salinity	10:07 AM	20.3 ppt	10:11 AM	18.4 ppt
	10:13 AM	19 ppt	10:14 AM	20 ppt
	10:37 AM	20.6 ppt 20.6 20.6		
<b><i>Fish Catch – 3 seines 10:30-11:00 AM</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Length</i></b>	
<i>10:15 AM</i>	* 10	Rainbow Smelt	3-4 inches	* expect these are Silverside
<i>10:45 AM</i>	5 30 30	Silversides	3 inch 4-5 inch	
<i>11:30 AM</i>	2	White Mullet	5 inch	
	2	Northern Kingfish	4 inch	
	1	Moon Jelly	3-4 inch	
	20	Comb Jelly	1 inch	
	2	Weakfish	.5 inch	
<b><i>Macroinvert</i></b>		Hermit Crab		
		HS crab shell		
		Slipper shell		
		Razor clam shell		
		mussel		
		Asian Crab		
<b><i>Tides</i></b>	<b><i>Time</i></b>	<b><i>Height in cm</i></b>	<b><i>Rising, Falling</i></b>	
	9:58 AM	45 cm	Rising	
	10:12 AM	63 cm	Rising	
	10:25 AM	75 cm	Rising	
	10:42 AM	80 cm	Rising	
	10:57 AM	90 cm	Rising	
	11:12 AM	100 cm	Rising	
<b><i>Currents</i></b>	<b><i>Time</i></b>	<b><i>Cm/60 secs</i></b>	<b><i>Cm/sec</i></b>	<b><i>Ebb/Flood</i></b>
*reported as Flood but should be ebb	10:08 AM	1260 cm/60 sec	210cm/sec	*Ebb SW
	10:20 AM	1304 cm/60 sec	217cm/sec	*Ebb

	10:51 Am	970 cm/60sec	16.2cm/sec	*Ebb
	11:09 AM	1000cm/120 sec	8.3 cm/sec	Still
	11:12 AM	460 cm/60 sec	7.7cm/sec	Still
	11:14 Am	860 cm/60 sec	14.3cm/sec	
	11:40 AM			Slack
<b><i>Core</i></b>	<b><i>Length</i></b>	<b><i>Present</i></b>	<b><i>Other</i></b>	
	23 cm total 18 cm top 14.5 cm bottom	Sand Gravel Pebbles	Dense feel Gritty feel Pea sized gravel Bean size	
<b><i>Boat Traffic</i></b>	10:55 AM	Sailboat	SE	
	10:55 AM	Blue Cargo	Northbound	Full
	10:58 Am	Black Cargo	Northbound	Full
		Barge	Southbound	
<b><i>Other Items</i></b>				