

**Snapshot Day 10/2/07 Data**  
**(Salt Front RM 78.2)**  
**RIVER MILE -7 Ft. Wadsworth**  
**GPS latitude N40.36.317 W 074.03.220**  
**Dan Meharg & John Warren National Parks Service, NPNH Education Center**  
**Mrs. Bridgman - I.S. 27 – 6-8 Special Education, 18 students**

**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:** 100% historic fort next to the Verrazano Bridge

**River Bottom:** Rocky

**Water Depth:** 10 cm at 11AM and 30 cm at 12 PM

**Plants in water:** 80% -

**Tidal Shallows:** *Fucus vesiculosus* (Bladder wrack) 75%, *Polysiphonia* (red algae) 10%, *Ulva lactuca*, (Sea lettuce) 5%, other 10%

**Tidal Marshes:** *Phragmites* (Common reed) 3%, Saltwater cordgrass 1%

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	11:20 AM	73.4° F 23° C		
	11:44 AM	76° F 24.5° C		
Wind Speed	4-6 knots	South		
Cloud Cover	Partly cloudy			
Weather	Nice, south sea breeze became stronger by noon			
Weather yesterday	Warm and sunny			
Water Calm	yes			
<b>Water Temperature</b>	10:50 AM	19 ° C 66 F°	10:57 AM	19 ° C 66 F°
	11:00 AM	19 ° C 66 F°	11:16 AM	21 ° C 70 F°
<b>Turbidity</b>	11:00 AM	.84 m .93 m .77 m		Average .85 m
<b>Chlorophyll</b>				
<b>Chemical</b>				
DO (ampules)	11:10 AM	6.9 mg/L	Temp. 19° C	69% saturated
pH (litmus paper)	11:15 AM	8.0	8.0	8.0
Phosphate				
Nitrate				
Alkalinity	n/a			

Salinity	11:10 AM	31.7 ppt	30.2 ppt	
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>		
<i>Killitrap</i>	100	Atlantic Silversides		
	2	Asian Shore Crab		
<b><i>Core Sample</i></b> N 40°36.251 W74°03.226 Under Verrazano Bridge	4-5 inches	No layers- Abundant - Course Sand throughout  with bits of other material	Rare – mud and gravel	
<b><i>Tides</i></b>	11:00 AM	10 cm	Rising	
	11:30 AM	20 cm	Rising	
	12:00 PM	30 cm	Rising	
<b><i>Currents</i></b>			Flood	
<b><i>Traffic</i></b>	10:40 AM	Ferry	North	
		Motorboat	south	
		Cargo ship	South	
	11:30 AM	Container ship	Northbound	loaded