

Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE -7 Ft. Wadsworth
Dan Meharg & John Warren National Parks Service, NPNH Education Center
Mrs. Bridgman - I.S. 27 – 8th grade, 30 students
GPS latitude N40.60537 W 074.05367

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

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

Surrounding Area: 100% historic fort next to the Varrazano Bridge

River Bottom: Rocky


Water Depth:not noted

Plants in water: 80% -

Tidal Shallows: Fucus vesiculosus (Bladder wrack) 75%, Polysiphonia (red algae)10%, Ulva lactuca, (Sea lettuce) 5%, otherweed 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>
<i>Physical</i>				
Air Temperature	10:30 AM	65° F 18.3° C		
	10:40 AM	52° F 11.12° C		
Wind Speed	4-6 knots	South		
Cloud Cover	Partly cloudy			
Weather	Nice,			
Weather yesterday	Warm and sunny			
Water Calm	yes			
<i>Water Temperature</i>	11:07 AM	15 ° C 59 F°		
	11:08 AM	15.6°C 60 F°		
	11:09 AM	15 ° C 59 F°		
<i>Turbidity</i>	10:37 AM	1.7 m 1.9 m 2.2 m		Average 1.9 m
<i>Chlorophyll</i>	11:15 AM			
<i>Chemical</i>				
DO (ampules)	11:10 AM	11.1 mg/L	Temp. 11° C	89.67% saturated
pH (litmus)	10:35 AM	8.0	8.0	8.0

paper)				
Phosphate	10:45 AM	1.2 mg/L		
Nitrate	10:35 AM	0.06 mg/L		
Alkalinity	n/a			
Salinity Instant ocean hydrometer	10:35 AM	22.2 ppt 19.6 20.9		Average 20.9
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		
<i>Killitrap</i>	5	Atlantic Silversides		
<i>Core Sample</i>		Orange, Sandy Core		
<i>Tides</i>	10:55 AM	15 cm	Rising	
	11:05 AM	20 cm	Rising	
	11:15 AM	20 cm	-	
	11:25 AM	25 cm	Rising	
	11:35 AM	30 cm	Rising	
<i>Currents</i>	167cm/60 sec	0.05566 knots		
	137 cm/60 sec	0.05124 knots		
	270 cm/60 sec	0.0900 knots		
	530 cm/60 sec	0.17666 knots		
<i>Traffic</i>	11:35 AM	Cargo	APL	Northbound
		Cargo	Minerva*	Anchored
				
10:00 AM		11:30 AM		12:10 PM
Minerva anchored and during the switch of the currents it turned to face the opposite direction				