

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)**

RIVER MILE -7 Ft. Wadsworth, Staten Island, NY

Geri Kobryn-Blatter, Shalini Gopie, Dan Meharg, Carol Williams, Kathy Garofalo

National Parks Service, NPNH Education Center

Mary Lee - St. Clare's – 7th grade, 35 students

GPS latitude N40.59896° W 074.05443°



Location: Seabee Fishing Beach, Fort Wadsworth, just south of the Verrazano Bridge, Staten Island

Area: Shoreline is 95 % beach, 50% covered in vegetation, 20% covered in riprap, broken concrete debris in the area

Surrounding Area: 100% fishing beach

River Bottom: sandy, pebbles

Water Depth:

Plants in water: no plants in water

Plants in Area: Ailanthus trees cover 5% of area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:10 AM	21° C	70° F	
	10:43 AM	22 ° C	70° F	
	11:12 AM	24.6 ° C	73 ° F	
Wind Speed	Beaufort 2	2 mph – 10:00 AM 3 mph – 10:40 AM 4.5 mph – 11 AM		
Cloud Cover	1/3 cloud cover to 2/3 cloud cover	Trace amount of rain		
Weather	Sunny warmer, temperature rising,			
Weather	Monday sunny, warm			

yesterday				
Water Surface	Calm			
Water Temperature	10:20 AM	20° C 18 18		Average 18.67° C
	10:30 AM	18° C 18 18		18° C
	10:47 AM	18° C 18 18		18° C
	11:00 AM	18° C 18 18		18° C
Turbidity	10:40 AM	65 cm 60 cm 52cm		Average 59 cm
Chlorophyll	10:27 AM	0.0		
Chemical				
DO - tablet	10:47 AM	4 ppm	18° C	40% saturation
pH - tablet	10:24 AM	7 7 8		Average 7.4
Alkalinity				
Salinity - hydrometer	10:40 AM	17.4 ppt 17.4 ppt 17.4 ppt		17.4 ppt
Fish Catch	Number Caught	Species	Length	
	10	Northern Kingfish	7 cm	
	20	Atlantic Silversides	11 cm	
	15	Striped Bass	10 cm	
Totals	45 catch	Diversity 3		
Macro- invertebrates	7	Hermit Crabs		
Tides	Time	Height in cm	Rising, Falling	
	9:55 AM	50 cm	Rising	
	10:10 AM	60 cm	Rising	
	10:25 AM	58 cm	Rising	

	10:40 AM	60 cm	Rising	
	10:55 AM	65 cm	Rising	
	11:17 AM	74 cm	Rising	
	11:35 AM	76 cm	Rising	
<i>Currents</i>	Time	Cm/60 secs	Cm/sec	Ebb/Flood
	11:00 AM	600 cm/60 sec	10 cm/sec	Still/N
	11:05 AM	2300 cm/60 sec	38.33cm/sec	Flood/N
	11:09 Am	4700cm/60sec	78.33 cm/sec	Flood/N
	11:35AM	5000cm/60ec	83.33 cm/sec	Flood/N
	11:57 AM	1200 cm/60 sec	7.7cm/sec	Flood/N
	11:14 Am	860 cm/60 sec	20cm/sec	Ebb
<i>Core</i>	<i>Length</i>	<i>Comment</i>	<i>Abundant</i>	<i>Other</i>
<i>11:10 AM - Cored in 60 cm water</i>	14 cm – no sections	Pebbles	Sand	Fish bone in core
<i>Boat Traffic</i>	10:00 AM	Red cargo ship	NE to NY harbor	loaded
	10:29 AM	Sea Streak water shuttle	Northbound	loaded
	10:29 AM	Australian Blt tanker	Northbound	loaded
	10:29 AM	Pilot Boat	Northbound	loaded
		USGS tug		
	11:28 AM	Fishing Boat	Southbound	Loaded passengers
	10:57 AM	Low flying 2 helicopters	NE	
	10:57 AM	1 helicopter	SW	
	11:28 AM	Party fishing boat		
		Speed boat		
		USGS tug boat		
<i>Other Items</i>	Black crowned night heron roosting in a tree.			
<i>Almanac</i>	The weather began overcast and cool. As experiments were conducted the sky cleared and became warmer and the day progressed.			