

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE -7 Ft. Wadsworth, Staten Island, NY**  
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**National Parks Service, NPNH Education Center**  
**Mary Lee - St. Clare's – 7<sup>th</sup> grade, 59 students, 8 adults**  
**GPS latitude N40.35.56.8° W 074.031.15.1°**



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

**Area:** Shoreline is 50 % beach, 50% forested,

**Surrounding Area:** 100% fishing beach – beach and riprap

**River Bottom:** sandy, pebbles

**Water Depth:**

**Plants in water:** no plants in water

**Plants in 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	25° C	77°F	
	11:30 AM	25 °C	77° F	
Wind Speed				
Cloud Cover	overcast	Trace amount of rain		
Weather	Overcast, drizzly,			
Weather yesterday	Some rain, warm			
Water Surface	Calm			
<i>Water Temperature</i>	9:55 AM	20° C		
	10:20 AM	21 °C		
	10:55 AM	21 °C		
	11:15 AM	21 °C		
	11:00 AM	18 °C		18° C
		18		
		18		

<b><i>Turbidity</i></b>	10:22 AM	70.9 cm 70.8 cm 50.2 cm		Average 66.9 cm
<b><i>Chlorophyll</i></b>	10:35 AM	0.1		
<b><i>Chemical</i></b>				
DO - tablet	10:04 AM	4 ppm	20° C	40% saturation
pH - tablet	10: 00AM 10:23AM 10:45AM 11:09 AM 11:34 AM	7 7 7 7 7		
Alkalinity				
Salinity - hydrometer	9:55 AM 10:05 AM 10:28 AM 10:50 AM 11:12 AM 11:36 AM	39 ppt 35 ppt 21 ppt 24 ppt 23 ppt 28 ppt		
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Length</i></b>	
	112	Atlantic Silversides	5 cm	
	1	Snapper Bluefish (young)	10 cm	
	1	Needlefish	15 cm	
	3	Jellyfish	6 cm	
<b><i>Totals</i></b>	<b><i>117 catch</i></b>	<b><i>Diversity 4</i></b>		
<b><i>Tides</i></b>	<b><i>Time</i></b>	<b><i>Height in cm</i></b>	<b><i>Rising, Falling</i></b>	
	9:49 AM	65 cm		
	9:54 AM	68 cm	Rising	
	9:59 AM	70 cm	Rising	
	10:26 AM	70 cm	Unchanged	
	10:47 AM	70 cm	Unchanged	
	10:57 AM	71 cm		
	11:05 AM	72 cm		
	11:24 AM	70 cm		
<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>
	9:54 AM	770 cm/60 sec	12.8 cm/sec	East/F

	10:04 AM	500 cm/60 sec	8.3 cm/sec	East/F
	10:21 Am	1000cm/60sec	16.7 cm/sec	
	10:26 AM	2210cm/60ec	36.8 cm/sec	
	10:57 AM	865 cm/60 sec	14.42 cm/sec	
<b><i>Core</i></b>	<b><i>Length</i></b>	<b><i>Comment</i></b>	<b><i>Abundant</i></b>	<b><i>Other</i></b>
<b><i>Boat Traffic</i></b>	9:50 AM	CUA CGM Blue	North	loaded
	9:59 AM	Oil Tanker orange	North	loaded
	10:07 AM	Tug white	North	Light
	10:50 AM	Oil Tanker red and black	North	loaded
	10:53 AM	Oil Tanker Damico B&Red	North	Loaded
	11:33AM	Cargo red	East	Loaded
	11:42 AM	Bulk Carrier white & blue	North	
	11:42 AM	Seastreak blue and white		