

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE -11
Breezy Point, Queens
Jennifer Wolff, Carol Williams, National Parks Service Rangers
Leah Sarasohn –MS366 – District 18
28 students, 6th grade
GPS latitude N40.33.449 W 073.55.992



Location: Beach on bay side of Breezy Point, Queens, Jamaica Bay
Sampling site: Fishing beach area, dune system behind beach, used for recreational boating, commercial traffic, kite sailing
Surrounding Uses: 100% beach
Area: All beach, sandy, grassy dunes
River Bottom: sandy, gravel
Plants in area: Not in the water but in the area - *Ammophila breviligulata* (Beach grass) 85%, Seaside goldenrod 4%, Poison Ivy 10%, Sea Rocket 1%
Water Depth: 4 ft.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:32 AM	67.5 ° F 19.7° C		
	12:32 PM	65 ° F 18° C		
Wind Speed	Beaufort force 3	9.7 mph	SE	

Cloud Cover	Mostly cloudy	By 1PM the wind picked up, the sun was covered by clouds, it was chillier and darker		
Weather yesterday	Temperatures in the 60s			
Water Surface	calm			
Water Temperature	11:01 AM	65 ° F 17° C		
	11:55 AM	65 ° F 18° C		
	12:29 PM	65 ° F 18° C		
Turbidity	12:13 AM	70 cm 86.3 cm 94 cm		Avg: 83.4
Chlorophyll	11:29 AM	0.0		
Chemical				
DO LaMotte	11:06 AM	4.0 mg/L	Temp. 17° C	40% saturated
pH – tabs	11:00 AM	7 7 7		7
Salinity - hydrometer	11:01 AM	27.7 ppt 29.2 ppt 27.7 ppt		Average 28.2 ppt
Fish Catch – 12 ft. X 12 ft. pull/6 pulls total	Number Caught – fish 72	Species	Size of largest	Seine net - CPUE on fish only
10:37 AM		Moon jelly	9 cm	Seine #1 CPUE zero
10:46 AM	12	Atlantic Silversides	9 cm	Seine #2 CPUE 0.27
		Moon jelly	6 cm	
		Comb jelly	1.5 cm	
10:57 AM		Moon jelly	6 cm	Seine #3
		Comb jelly	1.8 cm	CPUE zero
11:32 AM		nothing		Seine #4 CPUE zero
11:58 AM	21	Atlantic Silversides	6 cm	Seine #5 CPUE 0.48
		Comb Jelly	0.7 cm	
12:41 PM	39	Atlantic Silversides	8 cm	Seine #6 CPUE 0.89
		Moon jelly	7 cm	
	1	Lion's Mane Jelly	20 cm	Chris Bowser seine

		Slipper shells on horseshoe crab shell		
Tides	11:25 AM	18 cm	Rising	
	11:36 AM	22 cm	Rising	
	11:48 AM	28 cm	Rising	
	12:01 PM	33 cm	Rising	
	12:25 PM	44 cm	Rising	
Currents	CM/60 sec	Cm/Sec	North/South	Ebb/Flood/Still
11:26 AM	300	5 cm – 0.097 kts	*W	Ebb
11:46 AM	600	10 cm – 0.195 kts	*W	Ebb
*This site is located inside the Rockaway Inlet on the East side of the Hudson River. The current flowing West would pull the water out into the NY Bight where it would be move up into Hudson River on the Flood (Rising) tide.				
Core- Noon Water depth 4 ft,	16 cm total length	6 cm top	Dark anoxic layer, some shells	Light on the bottom
Shipping	11:10 AM	White Boat –	recreational	Eastbound
	11:10 AM	Commercial ship – oil or gas	Yellow Black	Eastbound/full
	11:11 AM	Sailboat	White	Anchored in Rockaway Inlet
	11:15 AM	Ship	DEP	Eastbound/full
Journal	<p>The children from MS366 were very excited to participate in “A Day in the Life” as soon as they stepped off the bus. Channeling their energy to conduct the research and experiments on the beach took a bit of time, but once they started they were able to focus on their responsibilities. It was a beautiful, sunny day. Many of the students were not familiar with the park and the resources available to them within a few miles of their neighborhood. The beach environment sparked their interest/curiosity to learn more about the physical aspects of the land.</p> <p>Sandpipers were seen feeding at the edge of the water. Chris Bowser went seining and caught a large lions mane jellyfish!</p>			