

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE -11**

Breezy Point, Queens

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Jennifer Porcheddu, Beach Channel High School – 9/10th grad, 10 students

GPS latitude N40.57743 W 073.93294

Location: Breezy Point, Queens, Jamaica Bay

Sampling site: Fishing beach area, birding pen area

Surrounding Uses: 100% beach

Area: All beach, grassy dunes

River Bottom: shallow sandy

Plants in area: Sea Rocket, Beach grass, Sand spur, Seaside Goldenrod

Water Depth: 2-3 ft.

<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	50 ° F 10° C		
	11:00 AM	58 ° F 15° C		
Wind Speed	11-13 mph		NW	
Cloud Cover	Clear			
Weather yesterday	Warm and clear			
Water Surface	White Caps			
<i>Water Temperature</i>	11:22 AM	17° C 62 ° F		
	11:30 AM	17° C 62 ° F		
<i>Turbidity</i>	11:10 AM	95 cm 115 cm 110 cm		107 cm
<i>Chlorophyll</i>	Noon	0.1		
<i>Chemical</i>				
DO LaMotte	11:15 AM	4.0 mg/L	Temp. 17° C	40% saturated
pH – Lamotte color match	11:15 AM	7 7 8		7.33
Salinity - Instant Ocean	11:22 AM	27.7 29.0 27.7		average 28.14 ppt
<i>Fish Catch – 10 ft. X 12 ft.</i>	<i>Number Caught</i>	<i>Species</i>		<i>Seine net</i>

<i>seine/1 pull</i>				
	6	Atlantic Silversides		
	1	Kingfish		
	2 cm	Comb jellies		
	1.5 cm	Mole Crab		
Tides	10:30 AM	10 cm	Rising	
	10:45 AM	14 cm	Rising	
	11:00 AM	20 cm	Rising	
	11:15 AM	31.3 cm	Rising	
	11:32 AM	36 cm	Rising	
Currents				
	8m/60secs	13.33 cm/sec	North	Flood
	16m/120 secs		North	Flood
	24m/180 secs		North	Flood
Core- Noon Water depth 4 ft,	22 cm total length	Abundant – mud on the bottom Sand & Gravel on top	Common– Pebbles	Fine grain bottom & larger grain top, pea size gravel on top
	8 cm top 15 cm bottom			Worm inside
Shipping	10:30 AM	Small pleasure boat	Southbound	
	11:00 AM	Fishing Boat	Northbound	
	11:30 AM	DEP Boat	Northbound	
Journal	It was a clear day and quite breezy. Good thing the students were wearing chest waders. After an hour or so it was difficult to write, student hands were frozen. Hardly caught anything in the seine net, better luck next year!			