

**Snapshot Day 10/8/09 Data  
(Salt Front RM 60.3)  
RIVER MILE -11**

**Breezy Point, Queens**

**Geri Kobryn-Blatter, National Parks Service Rangers  
Greg Grambo/Tony Yaskowski –Louis Armstrong Middle School – IS227Q  
GPS latitude N40.33.442 W 073.55.997**



**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, grassy dunes

**River Bottom:** sandy, gravel

**Plants in area:** Not in the water but in the area - *Ammophila breviligulata* (Beach grass) 50%, Seaside goldenrod 10%, Russian Thistle 20%, Eastern Cottonwood 10%

**Water Depth:** 4 ft.

Name Sara Jess Snapshot '09 Observing Surroundings Location B. 222 / Point (W)  
 We will be looking at your sampling site. Describe the site and any plants in and around your collection area. Include plant materials in the water, as well as along the water's edge.



1. Sketch your sampling site. Be sure to include a compass rose showing N/S/E/W and locate the River on your sketch, and mark where your sampling site is.



<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	11:37 AM	48 ° F 10° C		
Wind Speed	19.8 mph	24 kts	NW	
Cloud Cover	Partly cloudy	Cirrus, high thin cirrostratus	Freezing windy Sunny cold	
Weather yesterday	Sunny windy cooler temperatures			
Water Surface	White Caps			
<b>Water Temperature</b>	12:33 AM	17° C 64 ° F	18° C 67 ° F	Avg: 16.67° C 63.67° F
		15° C 60 ° F		
<b>Turbidity</b>	12:10 AM	76 cm 84.75cm 90.2 cm		Avg: 83.65
		79 cm 84.75 cm 102.28 cm		Ave: 88.67
<b>Chlorophyll</b>		0.1		
<b>Chemical</b>				
DO LaMotte	12:32 PM	4.0 mg/L	Temp. 17° C	40% saturated
pH – tabs	12:16 PM	7 7 7		7
Salinity - hydrometer	12:22 AM	32.6 ppt		
<b>Fish Catch – 10 ft. X 12 ft. seine/1 pull</b>	<b>Number Caught</b>	<b>Species</b>	<b>Total Catch ~150</b>	<b>Seine net</b>

	150	Atlantic Silversides	4 inches	
	30-50	Moon Jellies	6 inches	
	3	*Baby Blue fish	1.5 – 2.0 inches	
*Bluefish have distinct spring and summer spawning cohorts, spring spawners dominate in the estuary and summer spawners dominate along the coast. These small blue fish must have been summer spawners from their small size.				
	75	Jellyfish	3 inches	
<b>Tides</b>	11:19 AM	5 cm	Falling	
	11:34AM	4 cm	Falling	
	11:55 AM	2 cm	Falling	
	12:14 PM	0	Falling	
	12:20 PM	-255cm	Falling	
<b>Currents</b>	<b>CM/60 sec</b>	<b>Cm/Sec</b>	<b>North/South</b>	<b>Ebb/Flod/Still</b>
<b>11:20 AM</b>	1460	26.35	N	Ebb
	2600	46.92	N	Ebb
<b>Core- Noon Water depth 4 ft,</b>	16 cm total length	6 cm top	Dark anoxic layer, some shells	Light on the bottom
<b>Shipping</b>	10:30 AM	Cargo ship –	Wade D	Northbound
	11:54 AM	Tug Boat - light blue	Brian Nicholson	Southbound
	11:55AM	Fishing Boat	Yellow Black	
	12:00 PM	Sailboat	White	
<b>Journal</b>	We had the privilege of watching 3 sharp shined hawks hunting above the dunes while kite surfers appeared to fly above the choppy weather.			