

**Snapshot Day 10/8/09 Data**

**(Salt Front RM 60.3)**

**RIVER MILE 92**

**Kingston Point Park, Kingston**

**GPS Latitude 41°55.6 N Longitude 73°57.80 W**

**Steve & Julie Noble, Forsyth Nature Center**

**Crosby Elementary School – 5<sup>th</sup> grade, 20 students**



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.



**Participant Sketch of Site**

**Location:** Kingston Point Beach, beach and parking lot

**Area:** Used for picnics, boating, fishing, swimming

**Surrounding Land Use:** 20% forested; 80% beach

**Sampling Site:** shoreline is sandy with some bricks, banks are altered, collected wood debris in the area

**Plants in area:** 10% of the area is covered in plants – 5% water celery, 5% water chestnut

**Water depth:** 5 feet in depth – gradual slope on the beach

**River Bottom :** sandy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	11:20 AM	70°F		
Wind Speed	Beaufort #3	North		
Cloud Cover	clear			
Weather today	No precipitation			
Weather recently	Very windy, rain yesterday AM			
<b><i>Water Temperature</i></b>	1:45 PM	60°F 60°F	15.5 °C 15.5 °C	60°F avg 15.5 °C
<b><i>Water calm</i></b>	yes			
<b><i>Turbidity Site tube</i></b>	11:30 AM	70 JTU 80 JTU		Avg 75 JTU
<b><i>Chlorophyll</i></b>	10:30 AM	0.1	Least amount	
<b><i>Chemical</i></b>				

DO <i>ampules</i>	1:30 PM AM	9.0 mg/L	15.5°C	89% saturated
pH – pen	1:40 PM	• 9.0 8.8		• meter not working - these rates are too high
Phosphate <i>chemets</i>	12:00 PM	0.1 ppm		
Salinity	Quantab	28 ppm Cl		
<b><i>Fish Catch</i></b> <i>20'seine</i>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Largest Size</i></b>	<b><i>Seine</i></b>
	11	Banded killifish	5 inches max.	
	1	Spottail shiner	5 inches	
	1	Striped Bass	8 inches	
	1	Blue Crab	4 cm	
<b><i>Tides</i></b>	11:15 AM	5 cm		
	11:45 AM	27.5 cm	rising	
	12:15 PM	50 cm	rising	
	12:45 PM	67.5 cm	rising	
<b><i>Currents</i></b>				
<b><i>Traffic</i></b>	1:50 PM	American Star	White	Southbound
	10:15 AM	4 sailboats		
	11:45 PM	Barge	Red & Black	Southbound ½ full
<b><i>Other Items</i></b>	3 migrating butterflies!			
<b><i>Core</i></b>	14 cm total length	2 cm top brown	12 cm bottom grayish color with small brick pieces present	2 distinct layers