

Day in the Life of the Hudson River 10/20/14 Data
(Salt Front RM 63.6)

RIVER MILE 92

Kingston Point Park, Kingston, Ulster County

GPS Latitude 41°55.6 N Longitude 73°57.90 W

Steve & Julie Noble, Forsyth Nature Center (Site Hosts) – 10 adults total

Pam Ruzzo, George Washington ES– 4th grade, 25 students

Martha Cheo and 4H Club Epic Explorers 10 students

Location: Swimming Beach Kingston Point, City of Kingston, beach and parking lot

Area: Used for picnics, boating, fishing, swimming, jogging, kayaking

Surrounding Land Use: 75% forested; 15% beach; 10% Industrial/Commercial

Sampling Site: Beach area - shoreline is sandy with some bricks, banks are altered, collected wood debris in the area, rip rap to north along brickyard shoreline. Sandy shoreline 75 feet from shoreline to parking lot, 200 feet wide with boat launch, large amount of brick debris from prior industry

Plants in area: spatter dock, water chestnut, common reed

Water depth: 6.5 inches

River Bottom : sandy, muddy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:45 AM	54°F 11°C		
Wind Speed	10:50 AM	Beaufort #2	3.5 mph	South
	11:55 AM	Beaufort #2	4-7 mph	
Cloud Cover	10:30 -12:30 PM	Mostly cloudy 51-75% cover		
Weather today	Drizzle			
Weather recently	Rained Friday and Saturday			
<i>Water Surface</i>	Calm			
<i>Water Temperature</i>	Time	Temperature #1	Temperature #2	Average
Water Depth 0.5 ft.	11:10 AM	48°F 9 °C	50°F 10 °C	49°F 9.5°C
	12:15 PM	57°F 13.9°C		
<i>Turbidity -</i>	12:00 PM	50 NTU	Spiked after the large ship stirred up the water	
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO				
Test tabs	12:15 PM	7 mg/L	9.5°C	60%
pH – pen				
Salinity - Quantab	12:15 PM	29 ppm Cl-	52 ppm T.S.	

<i>Fish Catch</i> 30'seine X 4 ft. with bag	<i>Number</i> <i>Caught- 7</i>	<i>Species - 2</i>	<i>Largest Size</i>	<i>Macro-</i> <i>invertebrates</i>
10:45 AM	34	Herring y-o-y		Diversity 4
2 hauls	57	Spottail Shiner		Total 96
	4	Striped Bass		
	1	Banded Killifish		
	1	Largemouth Bass	2 inches	Diversity 4
	2	Spottail Shiner		Total 42
	37	Herring		
	2	Banded Killifish		
TOTAL Both Seines - Diversity 5 Total Catch 138				
<i>Tides</i>	10:30 AM	17 cm	Turned out tide was going out so no numeric reading	
	11:00 AM	18 cm	Falling	
	11:52 AM	20 cm		
<i>Currents</i>	10:40 AM	flood		
<i>Core Sample</i>	<i>Description</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
<i>11:15 AM - From mud flats</i>	5.25 cm with 1.25 cm top 1.5 cm second layer	Pebbles, leaves	Mud, Gravel Brick bits	sand
<i>Traffic</i>	11:42 AM	Ocean Crescent	Blue Rust	Southbound Light
	11:15 AM	Maria T.	Red	Northbound Loaded
	12:20 PM	Recreational	White	Northbound Sailboat
<i>Other Items</i>	8:51 AM	Lots of 'cowheads' (water chestnut seeds) and bricks! Lots of ring billed ducks		
<i>Almanac entry</i>	A large boat – Ocean Crescent - came by southbound around 11:42 and sent a wave 30 ft. up onto the shore!			