

**Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)**

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)

Nick Martin, Minnewaska State Park

Karen Knowlton, and 2 adult chaperones Bailey Middle School – 8th grade, 75 students, 8 adults

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

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

Surrounding Land Use: 40% forested; 50% 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: no SAV in the water – all plants present were washed up on the beach. Identified spatter dock, water chestnut, duck weed, Eurasian water milfoil, water celery

Water depth: 6-12 inches

River Bottom : sandy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:56 AM	58°F 12°C		
	11:06 AM	45°F °C		
	12:26 PM	48°F 8°C		
Wind Speed	9:55 AM	Beaufort #1	3 mph	North
	11:04 AM		8.3 mph	
	12:26 PM		14.5 mph	
Cloud Cover	Overcast	75-100 % cover		
Weather today	Overcast and cool			
Weather recently	Rained very heavily Monday			
<i>Water Temperature</i>	Time	Temperature		Taken at water's edge in direct sunlight
	9:40AM	61.9°F 16 °C		
	12:21 PM	59.2°F 16°C		

<i>Water calm</i>	yes			
<i>Turbidity short Site tube</i>	12:39 PM	70 JTU 70 JTU	Turbid brown	Average 70 JTU
<i>Chlorophyll</i>	10:05 AM 11:16 AM 12:31 PM	0.7 1.0 0.5		
<i>Chemical</i>				
DO <i>Test tabs</i>	9:45 AM 12:21 PM	*0 mg/L *0 mg/L	16°C 16°C	<i>*possible faulty equipment</i>
pH – pen	9:48AM 10:47 AM 12:34 PM	8.0 8.0 8.5, 7	AVERAGES	8.0 8.0 7.75
Nitrates <i>Test tabs</i>	9:50AM 10:47 AM 12:35 PM	0 mg/L 0 0		
Phosphate	9:50 AM 10:47 AM 12:35 PM	1.0 ppm 0.0 ppm 1.0 -1.5 ppm		
Salinity - Quantab	Not reported			
<i>Fish Catch</i> 30'seine X 4 ft. with bag	<i>Number Caught- 7</i>	<i>Species - 2</i>	<i>Largest Size</i>	<i>Macro-invertebrates</i>
12:00-1:00 PM	7	Spottail shiner	4.25 inches	Diversity 4
	4	Golden shiner	4.25 inches	Total 14
	2	Striped Bass	7 inches	
	1	White Perch	5 inches	
<i>Macroinvertebrates</i>	9	Scud		
	1	Freshwater Snails		
	10	Zebra Mussels		
	1	Giant waterbug		
Lots of water chestnut, low tide, had to go out far to haul. Did many hauls all day. Caught nothing all morning until between noon and 1PM caught 14 fish in 5 hauls.				
<i>Tides</i>	9:30 AM	Set at water's edge	Turned out tide was going out so no numeric reading	
	All morning		Falling	
<i>Currents</i>	Not collected			
<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	Pebbles, leaves	Mud, Gravel	sand

	1.5 cm second layer		Brick bits	
<i>Traffic</i>	10:00AM	1 recreational	white	Northbound – 1 person
	10:36 AM		White & red	Southbound – 2 people
	11:14 AM	SS Dolphin	White & blue	Southbound 2 people
	11:18 AM		White & Blue	Southbound 2 people
<i>Other Items</i>	8:51 AM	Immature and adult bald eagle flying North along Kingston's previously industrial waterfront.		
<i>Almanac entry</i>				