

Day in the Life of the Hudson River 10/4/12 Data

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)

Laura Conner & Nick Martin, Minnewaska State Park

Karen Knowlton, and adult chaperones Bailey Middle School – 8th grade, 52 students, 10 adults

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

Area: Used for picnics, boating, fishing, swimming

Surrounding Land Use: 20% forested; 60% beach; 20% 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 plants growing

Water depth: gently sloping 0-3 ft.

River Bottom : sandy with bricks

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:35 AM	57.2°F 14°C		
	11:00 AM	59°F 15°C		
	12:15 PM	64°F 18°C		
Wind Speed	AM	1.5 mph	anemometer	
Cloud Cover	Overcast, rainy	1/8 of an inch of precipitation		
Weather today	It was drizzling and raining on and off throughout the sampling period of 9:30-1:30. It was very foggy upon arrival, from 7:45am-11:00am, then it burned off.			
Weather recently	Last 3 days rain on and off and very humid			
<i>Water Temperature</i>	Shoreline Thermometer	3 ft. out Thermometer	Shoreline Laser	3 ft. out Laser
	9:45AM	68°F 19 °C	69°F 20 °C	Avg. 68.5°F 19.5°C
	12:25 PM	69.7°F 21°C		
<i>Water calm</i>	yes			
<i>Turbidity short</i>	9:55 AM	60 JTU		Average

<i>Site tube</i>		60 JTU 60 JTU		60 JTU
	10:554AM	80 JTU		80 JTU
	12:25PM	40 JTU		40 JTU
<i>Chlorophyll</i>	12:40 AM	0.5		
<i>Chemical</i>				
DO <i>Test tabs</i>	12:40 PM	2.0 mg/L	22°C	20% saturated
pH – pen	10:45AM 12:25 PM	8.0 6.0	7.0 8.0	7.5 Average 7.0
Nitrates <i>Test tabs</i>	9:45AM 11:00 AM 12:15 PM	0 mg/L 0 0		
Phosphate	9:50 AM 12:35 PM	1.0 ppm 1.0 ppm		
Salinity - Quantab	Not reported			
<i>Fish Catch</i> 20' seine X 4 ft. –9 seines and dip nets	<i>Number Caught- 7</i>	<i>Species - 2</i>	<i>Largest Size</i>	<i>Macro- invertebrates</i>
	28	Spottail shiner	2.5 inches	
	2	Golden shiner	2 inches	
	2	Sunfish	6 inches	
	1	Yellow Perch	3 inches	
	1	Striped Bass	3.5 inches	
	1	White Perch	5.5 inches	
<i>Macroinvertebrates</i>	25	Scud		
	1	Water Penny		
	5	Freshwater Snails		
	48	Zebra Mussels		
		Mystery jelly mass		
		Lots of crab parts		
<i>Tides</i>	9:28 AM		Set measure	
	11:00AM		falling	
	12:15 AM		Rising	
<i>Currents</i>	Site is out of the channel so no current			
<i>Traffic</i>	9:55 AM	5 recreational		Southbound –

		personal motor boats		people
<i>Also</i>	11:05 AM	Cruise Ship	American Star	Southbound – people on it
	11:23 AM	Barge and Tug	Red	Northbound full
	12:16 PM	Barge and tug	Blue and red	Northbound full
<i>Other Items</i>				
<i>Almanac entry</i>				