

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
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
Sidney Ganon, Hudson River Maritime Museum
Karen Knowlton, and 7 adult chaperones Bailey Middle School – 8th grade, 73
students**



Location: Kingston Point Beach, beach and parking lot

Area: Used for picnics, boating, fishing, swimming

Surrounding Land Use: 5% urban/residential; 70% forested; 10% beach; 15% 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: plants in area were not growing but rather were washed up on the shore. Found water celery, water chestnut, spatterdock, duckweed.

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	9:43 AM	46.4°F 8°C		
	10:56 AM	57.2°F 14°C		
Wind Speed	9:45 AM Beaufort #2	4.5 kts anemometer		

	10:56 AM Beaufort #1	1-3 kts. anemometer		
	12:39 PM Beaufort #2	4.9 kts. anemometer		
Cloud Cover	Overcast 9:15- 12:15	After 12:15 the clouds broke up and sun came through		
Weather today	No precipitation			
Weather recently	Sunny, pleasant – except yesterday evening rain and rain early AM today			
<i>Water Temperature</i>	Shoreline Thermometer	3 ft. out Thermometer	Shoreline Laser	3 ft. out Laser
9:51 AM	57.5°F avg 14.17 °C			
10:53 AM*	48°F 8.9 °C	Question mark by reading on sheet		
12:30 PM	64.22°F 17.9 °C	62.96°F 17.2°C	60°F 15.6°C	62°F average 17°C
12:51 PM	63.5°F 17.5 °C			
<i>Water calm</i>	yes			
<i>Turbidity short Site tube</i>	9:50 AM	60 JTU	70 JTU	Average 65 JTU
	10:55 AM	100 JTU	100 JTU	100 JTU
	12:505PM	100 JTU		100 JTU
<i>Chlorophyll Chemical</i>	9:45 AM	2.0		
DO <i>Test tabs</i>	9:25 AM 10:00 AM 12:30 PM 12:55 PM	2.0 mg/L 2.0 mg/L 2.0 mg/L 4.0 mg/L	14°C 14°C 17.5 °C 17.6 °C	18% saturated 18% 20 % 40%
pH – pen	9:50 AM 12:30 PM 12:51 PM	8.0 7.0 7.0	8.0 7.0	8.0 Average 7.0 7.0
Nitrates <i>Test tabs</i>	9:51 AM 10:50 AM	1.0 0.5	1.5 0.0	1.25 average 0.25
Phosphate	9:51 AM 10:55 AM	1.0 ppm 1.5 ppm	1.0 1.0	1.0 average 1.0
Salinity - Quantab	.0003 .0008	<29 ppm Cl-	<52.39 total salinity	

<i>Fish Catch</i> 20' seine X 4 ft. - 9 seines and dip nets	<i>Number Caught-</i> 7	<i>Species - 2</i>	<i>Largest Size</i>	<i>Macro-invertebrates</i>
9:45 AM	1	Striped Bass	3 inches	
	1	Spottail shiner	2 inches	
11:00 AM	1	Spottail shiner	3.25 inches	
1:00 PM	4	Spottail Shiner	3 inches	
<i>Macroinvertebrates</i>	4	Scud	5 mm	
		Zebra mussels		
<i>Tides</i>	9:32 AM			
	9:58 AM		falling	
	10:30 AM		falling	
	11:00 AM		falling	
	11:30 AM		falling	
	12:15 PM		rising	
<i>Currents</i>	Site is out of the channel so no current			
<i>Traffic</i>	11:22 AM	Tug & barge	Dunker Portland	Northbound - Full - Oil?
<i>Also</i>		2 leisure boats		North
		2 leisure boats		South
		Coastguard Boat		North
<i>Other Items</i>	Juvenile bald eagle	Took flight over our site for about 10 minutes		
	Mature bald eagle	Played in flight with juvenile and then perched		
<i>Almanac entry</i>	While collecting data at our respective stations we noticed a juvenile and a mature bald eagle tumbling in flight overhead. Students jumped to don binoculars as we witnessed the seemingly playful behavior. The adult then perched high in the canopy of a tree near the river's edge as the juvenile delighted our large group of citizen scientists, soaring, banking, and gliding not 75 feet overhead - Julie Noble			
<i>Core - 9:50; 11:50; 12:50 - 6 inch water depth</i>	4 inch and 9 inch cores Oxidized top - speckled	Rare: mud, pebbles, oyster shells	Common: Gravel & Brick	Abundant: Sand