

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
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
Laura Conner, Minnewaska State Park
Karen Knowlton, Bailey Middle School – 8th grade, 78 students

Location: Kingston Point Beach, beach and parking lot

Area: Used for picnics, boating, fishing, swimming

Surrounding Land Use: 40% forested; 30% beach; 30% industrial/commercial

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

Plants in area: plants in area were not growing in 1st 10 ft. but rather were washed up on the shore. Of the plants 20% is water chestnut; 9% duckweed, 1% spatterdock. One group also noted soft stemmed bulrush but this was not confirmed by

Water depth: 50.8 cm and decreasing to 0 cm

River Bottom : sandy with bricks, some SAV

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:53 AM	53.6°F 12°C	10:45 AM	59°F 15°C
	12:25 PM	53.6°F 12°C		
Wind Speed	Beaufort #1	1-3 kts 3-5 kts	South wind	
Cloud Cover	Partly cloudy in AM	By afternoon had turned mostly cloudy		
Weather today	No precipitation			
Weather recently	Cold and dry			
<i>Water Temperature</i>	Shoreline Thermometer	3 ft. out Thermometer	Shoreline Laser	3 ft. out Laser
9:53 AM	53.6°F avg 12 °C			
10:25 AM	59°F 15 °C	55.4°F 13°C	60°F 15.6°C	53.1°F 11.7 °C
11:20 AM	59°F 15 °C	53.6°F 12°C	56°F 13.3°C	55°F 12.8°C
12:50 PM	59°F	57.2°F		51.6°F

12:50 PM	59°F 15 °C	57.2°F 14°C		51.6°F 10.9°C
Water calm	yes			
Turbidity short Site tube	10:25 AM	50 JTU		
	11:15 AM	60 JTU 60 JTU		
	12:50 PM	80 JTU		
Chlorophyll	10:30 AM	1.0		
Chemical				
DO <i>ampules</i>	10:25 AM 11:20 AM 12:50 PM	8.0 mg/L 7 mg/L 9 mg/L	12°C 15°C 15°C	75% saturated 68% 90 %
pH – pen	10:25 AM 11:14 Am 12:50 PM	7.0 7.0 7.0		
Phosphate <i>chemets</i>	10:25 AM 11:20 AM 12:25 PM	0.1 ppm 0 ppm 0.2 ppm		
Salinity - Quantab	11:15 AM	<28 ppm Cl	<35 ppm salinity	
Fish Catch 30' seine X 3 ft. – 90 ft. pull – 9 runs	Number Caught- 22	Species - 4	Largest Size	Macro- invertebrates
10:20 AM - 3 seines – CPUE .43	4	Spottail shiner		Zebra Mussels
11:22 AM – 3 seines – CPUE .43	2	Spottail shiner	3 inches	Aquatic snails
	2	Banded Killi	2.5 inches	Scuds
12:20 PM - 3 seines – CPUE 1.53	1 7	White Perch Spottail Shiner	5 inches 3.5 inches	Midge Larvae
	6	Golden Shiner	3.5 inches	
Tides	9:48 AM	50.8 cm		
	10:40 AM	29.21 cm	falling	
	11:35 AM	10.16 cm	falling	
	12:15 PM	9.53 cm	falling	
	12:35 PM	8.89 cm	falling	
Currents				
Traffic	9:55 AM	Rec. Sail	Black Dog	Southbound

	10:35 AM	Cruise ship	American Star	
	11:00 AM	Barge & tug	RTC 120	North - empty
	11:35 AM		Justine McCallister	North - empty
	12:50 AM	Fishing boat	Kavaldos 3	South
<i>Other Items</i>	~ 50 ring billed ducks	Lots of natural and man made debris		
<i>At the seining station we found</i>	Two unidentified jelly like blobs with green hard mass in the center – no movement	Steve Stanne noted these were probably the seeds of arrow arum, which have a coat of gelatinous mucilage and drift away from the senescing (growing old) plants in the fall.		
<i>Core</i>	4 inches total length	Lots of brick pieces	Grain size- 10 % pebbles 80% sand 10% silt	