

Day in the Life of the Hudson River 10/22/19

KINGSTON POINT PARK

RIVER MILE: 92

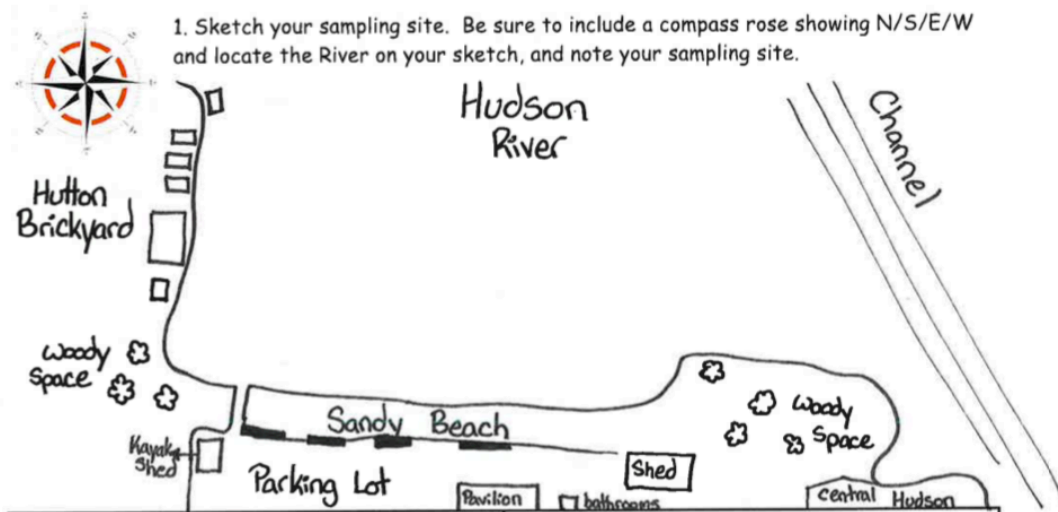
Salt Front: ~ RM 53

Robert Graves Elementary School- Nancy Koopman

Kingston Parks & Recreation- KC Keegan

60 students 3rd grade

Latitude 41.930213 N & Longitude – 73.96467 W



1. Sketch your sampling site. Be sure to include a compass rose showing N/S/E/W and locate the River on your sketch, and note your sampling site.

Location: Kingston Point Park, City of Kingston, Ulster County, NY

Area: Swimming beach, forested, parking lot; used for picnics, boating, fishing, swimming, jogging, kayaking

Surrounding Land Use: 5% Forested; 10% Industrial/Commercial; 85% Beach

Sampling Site: Beach Area

Shoreline: Sandy shoreline (75 ft from shoreline to parking lot and 200 ft wide); boat launch; banks are altered; riprap to north along brickyard shoreline; large amount of brick debris from prior industry

Water: 1 ft, calm

River Bottom: Sandy

Plants in water: Water celery, spatterdock, water chestnuts

ITEM	Time	Reading	Comments	
Physical				
Air Temperature	10:55 AM	50 ° F		
	11:45 AM	52 ° F		
	1:00 PM	51 ° F		
Wind Speed:		Beaufort 1	0.5 mph	South
Weather today	10-1PM Overcast (100%)			
Weather the past 3 days:	Rained on Saturday but no rain Sunday or Monday			
Tides-	Time	Rising, Falling, Unchanged	Height (cm)	Rate of Tidal Change (cm/min)
	NR			
Current-	cm/second	North/South	Ebb/Flood/Still	Comments
	NR			
Water Temperature	10:27 AM	13 ° C, 13.5°C, 13.25°C		Avg – 13.25 °C
	11:15 AM	13.5°C, 13.0°C, 13.25°C		Avg – 13.25 °C
	12:38 PM	13.8°C, 13.9°C, 13.85°C		Avg – 13.85 °C
Turbidity-		Water is clear up to 2 ft		
Chemical				
Salinity- Quantabs	Time	Chloride ppm Cl	Total Sal. Ppm	
	12:32 PM	40 ppm	72.26 ppm	

<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	NA			
<i>pH – Test strips</i>	10:44 AM 11:33 AM 12:56 PM	6.5, 6.0, 6.5 7.0, 7.0, 6.5 7.0, 6.5, 7.0		Avg 6.3 Avg 6.85 Avg 6.85
<i>Alkalinity- API Kit</i>	10:44 AM	60, 60 ppm		<i>*API testing kit is for aquariums. Not for natural environment. nitrates and phosphates are high.</i>
<i>Nitrates- API Kit</i>	10:54 AM	20, 20, 20 ppm		
<i>Phosphates- API Kit</i>	10:56 AM	40, 60, 60 ppm		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Seine # 1	7	Spottail Shiner	12 cm	
1	4	Banded Killifish	7 cm	
1	5	Striped Bass	10 cm	
2	1	Channel Catfish	7 cm	
2	3	White Perch	9 cm	
2	3	Banded Killifish	4 cm	
2	1	Large mouth bass	16 cm	
2	5	Spottail Shiner	9 cm	
2	4	Striped Bass	9 cm	
2	1	Mummichog	7.5 cm	
3	1	Channel Catfish	40 cm	
3	1	Striped Bass	9 cm	
3	3	Spottail Shiner	11 cm	
3	2	Yellow Perch	6 cm	
Fish Totals	TOTAL: 41	Diversity: 7		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Seine # 1	1	Blue Crab (Male)		
1	1	Blue Crab (Female)		
Macroinvertebrate Totals	TOTAL: 2	Diversity: 1		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
Water depth: 3 ft		No	Abundant: Sand Common: Mud	Abundant: Brick Common: Coal Rare: Wood, Zebra mussels, slag
<i>Boats</i>	<i>Time</i>	<i>Name/Color</i>	<i>North/South</i>	<i>Loaded/Light</i>
Commercial	11:21 AM	Grand, White/Blue	South	Loaded
Observations	Lumps of coal, lots of brick, some golf balls, pieces of zebra mussels, lots of woody debris, 10+ G Ring Billed gulls			