

Day in the Life of the Hudson River 10/22/19
KINGSTON POINT PARK
RIVER MILE: 92
Salt Front: ~ RM 53
Kingston YMCA Farm Project – Susan Hereth
Kingston Parks & Recreation- Julie Noble
12 students 9-12th grade
Latitude 41.930213 N & Longitude – 73.96467 W

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: none but evidence on shore

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	NA			
<i>Wind Speed:</i>		Beaufort 1	South/Southwest	
<i>Weather today</i>	Overcast (100%), drizzling rain			
<i>Weather the past 3 days:</i>	Rain on Sunday			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>
3:18 Low tide	3:00 PM	Falling	-	NA
	3:35 PM	Unchanged	0	NA
	3:45 PM	Rising	2	0.2
	4:20 PM	Rising	10	0.23
<i>Current-</i>	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	3:40 PM	NR	NR	Still
<i>Water Temperature</i>	3:56 PM	12.8 °C, 15.5 °C, 13.6 °C	Avg: 13.97 °C	
<i>Turbidity-</i>	NA			
Chemical				
<i>Salinity- Hydrometer</i>	<i>Time</i>	<i>Chloride ppm Cl</i>	<i>Total Sal. Ppm</i>	
	4:00 PM		Below Detection	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	NA			
<i>pH – pH strips</i>	4:00 PM	6.5		
<i>Alkalinity-</i>	4:00 PM	60 ppm		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	2	Striped Bass	7 inches	
	24	Spottail Shiner	5 inches	
	1	Banded Killifish	1 inch	
Fish Totals	TOTAL: 27	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Macroinvertebrate Totals	TOAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>

Boats	Time	Name/Color	North/South	Loaded/Light
Recreational Recreational	2:45 PM 4:20 PM	Clearwater? NA	South South	Sails down
Observations	Water celery, spatterdock, water chestnuts, duckweed on shore.			