

Day in the Life of the Hudson River 10/16/18 Data
KINGSTON POINT PARK
Ulster County, NY
RIVER MILE: 92
Salt Front: ~ RM 24
Robert Graves Elementary School -
75 students 3rd grade, 11 adults
KC Keegan, Kingston Parks and Recreation
Nancy Koopman, Robert Graves
Latitude 41° 55.48 N & Longitude 73° 57.55 W



Location: Swimming Beach Kingston Point, City of Kingston, Ulster County
Area: Beach, forested, and 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 feet from shoreline to parking lot & 200 feet wide) with boat launch; banks are altered; riprap to north along brickyard shoreline; large amount of brick debris from prior industry
Water Depth: 1 foot
Plants in area: Water chestnuts washed up on beach
River Bottom description: Sandy
Other: Many ring billed gulls; zebra mussels

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	12:50 PM	10 °C	50 °F	
<i>Wind Speed: Beaufort Force</i>		#1	South	
<i>Weather today</i>	No rain, partly cloudy (26-50%)			
<i>Weather recently</i>	Rain and mist			
Water Temperature	10:20 AM	12.78 ° C	55 °F	
	11:10 AM	11.67 ° C	53 °F	
	12:30 PM	10 ° C	50 °F	
Turbidity - long sight tube	10:40 AM	20 cm, 19 cm, 24 cm Avg: 21		
Chemical				
<i>Salinity- Low Range Quantabs for first 3</i>	10:20 AM	>684 ppm Cl ⁻	>**1235.7 ppm	<i>*This is way too high</i>
	11:10 AM	<32 ppm Cl ⁻	Below quantab detection limit	
	12:35 PM	31 ppm Cl ⁻	56 ppm total	
<i>Hydrometer-----</i>				<i>** Emailed this</i>

	11:20 AM	measured as TS	*6000 ppm (6ppt)	*Not realistic
<i>pH – Color match</i>	10:30 AM	7, 7, 7		
<i>pH pen</i>	11:15 AM	7.5, 7.9 Avg: 7.7		
<i>pH pen</i>	12:40 PM	7.8		
<i>Alkalinity</i>	11:15 AM	20 ppm*		*pretty low
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest (in)</i>	
<i>Seine- 30 foot net, 4 foot depth with bag</i>	1	Channel Catfish	13	
	45	Herring	2	
	13	Striped Bass	2.5	
	14	Banded Killifish	2	
	33	Spottail Shiner	4	
	1	Mummichog	1	
	1	Tessellated Darter	1	
<i>Fish Totals</i>	TOTAL: 108	Diversity: 7		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	2	Blue Crab		
<i>Macroinvertebrate Totals</i>	TOTAL: 2	Diversity: 1		
<i>Tides- tide stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
	10:28 AM		0	
	11:07 AM		Not recorded	
<i>Sediment Core</i>	<i>Description</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
	12.7 cm H2S Smell Oil on Top	Gravel Pebbles Brick Coal	Sand	Mud
<i>Boat Traffic Commercial</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
10:00 AM	Inter-marine	Blue and White	Northbound	Light
<i>Boat Traffic Recreational</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
11:10 AM	Autumn Born	Blue and White	Southbound	
11:35 AM	Katrina	White	Southbound	
11:35 AM	Kayak	Gray	Northbound	
11:47 AM	Sailboat	White	Northbound	
<i>Other Observations</i>	Lots of brick Some coal	Lots of washed up water chestnut	Some shell pieces from Asia clam	