

Day in the Life of the Hudson River 10/14/21

Kingston Point Park

RIVER MILE: 92

Salt Front: ~ 49

Kate Cooper & DEC

0 students & 3 adults

Latitude & Longitude – Latitude N & Longitude –

Location: Kingston Park Beach, Kingston, NY

Area: Open beach area in front of the parking lot near the lifeguard chair.

Surrounding Land Use: 50% beach, 35% industrial, 20% urban, 5% forested

Sampling Site: Beach, Parking lot for recreation space

Shoreline: 90% sandy, 10% rocky

Water Depth: NR

Plants in area: NR

River Bottom description: Sandy

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>			<i>Comments</i>
Physical					
<i>Air Temperature</i>	10:00 AM	19.5 ° C		67 ° F	
<i>Wind Speed:</i>	NR	<i>Anemometer</i> NR		<i>Beaufort</i> NR	<i>Direction</i> NR
<i>Weather today</i>	10:20 AM	>75% cloud cover		No rain	
<i>Weather the past 3 days:</i>	Steady and consistent weather; no rain, cold in AM warm in afternoon-foggy mornings				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>	
	9:20 AM-10:27 AM	Falling Falling		50 cm 36 cm	LT 3:51 PM HT 9:01 AM
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	10:38 AM	3.96	0.077	Still	Ebb
<i>Water Temperature-</i>	10:00 AM	16.7° C		62° F	
<i>Turbidity- Long Sight Tube</i>	9:57 AM	92.3 cm			
Chemical					
<i>Salinity- High Range Quantabs</i>	10:27 AM	BD for High Range			
<i>Standardized Salinity- Low Range Quantabs</i>	10:10 AM	BD			
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>	<i>% Saturation</i>
	9:58 AM	16.7° C		10	100%
<i>pH – Color Match Kit</i>	9:56 AM	8			
<i>Nitrates-</i>	NR	NR			
<i>Phosphates-</i>	NR	NR			
Biological					
<i>Fish - 1 seine</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Length of smallest</i>
	1	Herring sp.		12.7 cm	NA
	16	Spottail Shiner		14.5 cm	11.0 cm
	1	White Catfish		51 cm	NA
Fish Totals –	TOTAL: 18	Diversity: 3			

<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
			NR	NR	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0			
<i>Sediment Core</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
21 cm	No	No	No	Rare: Clay, Pebbles Common: Gravel Abundant: Sand	Common: Brick pieces (link to the history of the site)
<i>Boats-NR</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					