

# Day in the Life of the Hudson River 10/22/20

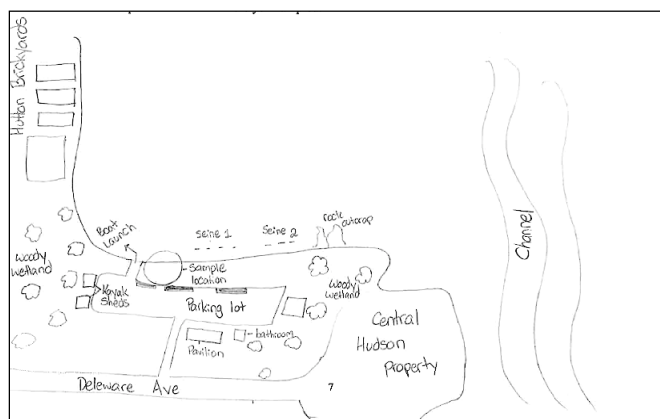
## KINGSTON POINT PARK

RIVER MILE: 92

Salt Front: ~ RM 75

City of Kingston Parks & Recreation- KC Keegan-Twombly, Julie Noble and 2 others

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

**River Bottom:** Sandy

**Water:** Calm

ITEM	Time	Reading		Comments
Physical				
Air Temperature	11:45 AM 12:45 PM	21°F 21.1	69.9°F 70	
Wind Speed:	11:45 AM	0.7 m/sec	East	
Weather today	No rain			
Weather the past 3 days:	mid 60's to low 70's			
Tides-	Time of Low Tide	Time of High Tide	Sampling Time	Tide Movement During Sampling
	12:57 PM	6:41 AM	12:15 PM 12:40 PM	Ebbing Ebbing
Current-	Time	cm/second	North/South	Ebb/Flood/Still
	NR			
Water Temperature	11:45 AM 12:15 PM 12:45 PM	14 °C 14 °C 15 °C	58 °F 58 °F 59 °F	Average of 3each sample time
Turbidity- short site tube	12:08 PM	40 JTUs		
Chemical				
Salinity- Hydrometer	Time	Salinity		
	12:00 PM	Below detection of the instrument used		
DO – drop count test kit	Time	Temp	ppm DO	% saturation

	12:30 PM	14 °C	4 ppm	32%
<b>pH</b> – color match kit	12:22 PM	7		
<b>Nitrates-</b> (assume Lamotte estuary wide kit)	12:25 PM	5 ppm		
<b>Phosphates-</b> (assume Lamotte estuary wide kit)	12:25 PM	1 ppm		
<b>Biological</b>				
<b>Fish – 2 seines</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	
	6	Striped Bass	9 cm	
	30	Spottail Shiner	11.1 cm	
	6	Pumpkinseed	7.4 cm	
	1	Bluefill sunfish	3.2 cm	
	25	Banded Killifish	11.2 cm	
<b>Fish Totals</b>	<b>TOTAL: 68</b>	<b>Diversity: 5</b>		
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	
	1	Giant waterbug		
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 1</b>	<b>Diversity: 1</b>		
<b>Sediment Core</b>	<b>Time</b>	<b>Oxid Top</b>	<b>Grain Size</b>	<b>Other Features</b>
	NR			
<b>Boats</b>	<b>Time</b>	<b>Name/Color</b>	<b>North/South</b>	<b>Loaded/Light</b>
	NR			
<b>Observations</b>				