

Day in the Life of the Hudson River 10/22/19
HENRY HUDSON RIVERFRONT PARK, HUDSON
RIVER MILE: 117

Salt Front: ~ RM 53

Montgomery C. Smith Elementary School- Tani Quinion
19 students 3rd grade, 7 adults

Chatham Elementary School - Sam Moses

SCA, Green County Soil and Water Conservation District: Nathan Horstman

Cary Institute of Ecosystem Studies – Shelley Forester

Everett Nack Environmental Center- Nick Zachos

Latitude 42.25369 N & Longitude – 73.79935 W



Location: Henry Hudson Riverfront Park, City of Hudson, Columbia County, NY

Area: 1st dock I the waterfront property used for fishing, marina, picnics, large grassy area with parking lot, just north of the old quarry site

Surrounding Land Use: 50% Industrial/Commercial; 50% Urban/Industrial

Sampling Site: Waterfront with banks 100% altered to include wooden and concrete bulkheads and large riprap on shoreline; pier, grassy, parking lot

Shoreline: 30% Muddy; 70% Rocky; riprap

River bottom: Muddy, rocky

Plants in area: < 1% Water chestnuts; 10% water celery

Water: AM calm, PM slightly choppy; 6-9 feet

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>	
<i>Physical</i>				
<i>Air Temperature</i>	NA			
<i>Wind Speed:</i>	NA			
<i>Weather today</i>	NA			
<i>Weather the past 3 days:</i>	NA			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
NA				
<i>Current-</i>	<i>cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
NA				
<i>Water Temperature</i>				
<i>Turbidity -</i>	1:15 PM - 2:15PM	36 cm		
<i>Chemical</i>				
<i>Salinity- NA</i>	<i>Time</i>	<i>Chloride ppm Cl</i>	<i>Total Sal. ppm</i>	

<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
NA				
<i>pH –</i>	NA			
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Seine	12	Red Breasted Sunfish		
Fish Totals	TOTAL: 12	Diversity: 1		
<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 Items</i>
NA				
Observations				