

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

Henry Hudson Riverfront Park, Hudson

RIVER MILE: 117

Salt Front: ~ 49

Montgomery C. Smith Elementary School - Tani Quinion

21 third grade students & 3 adults

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:

Water:

*NR = Not Read

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	NR	NR		
<i>Wind Speed:</i>	NR	<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
		NR	NR	NR
<i>Weather today</i>	9:30 AM	<25% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	Seasonably warm and sunny			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
NR				
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
NR				
<i>Water Temperature-</i>	10:08 AM	18.35° C		65° F
<i>Turbidity- Long sight tube</i>	10:08 AM	70 cm		
Chemical				
<i>Salinity- Refractometer</i>	NR			
<i>DO – Chemets kit - NR</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
<i>pH – NR</i>				
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	1	Channel Catfish	40 cm	N/A
	6	Redbreast Sunfish	15 cm	5 cm
	3	Pumpkinseed	13 cm	10 cm
	1	Yellow Perch	18 cm	N/A
Fish Totals	TOTAL: 11	Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	N/A	N/A		
Macroinvertebrate Totals	TOTAL:	Diversity:		