

Day in the Life of the Hudson River 10/05/2023
Sojourner Truth/Ulster Landing Park, Ulster County NY

RIVER MILE: 97

Salt Front: ~ RM 52

Red Hook High School-Tom O'Dowd

Cary Institute - Becky Van Tassell

35 students, 9th-12th grade, 5 adults

Latitude 42.00425°N & Longitude -73.94467°W



Location: Swimming beach, Sojourner Truth/Ulster Landing Park, Town of Ulster, Ulster County, NY

Surrounding Land Use: 50% Forested & 50% Beach

Sampling Site: Beach, altered banks with concrete bulkhead, wood debris driftwood, drainage from bulkhead north of site, nearby parking lot, grassy area.

Shoreline: 50% Sandy, 40% Muddy & 10% Rocky

Water: Calm

River Bottom: Muddy, Sandy & Rocky

Plants in the water: 1% Water Chestnuts (far away from shore)

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	12:00 PM	22.2 ° C	72 ° F	
<i>Wind Speed:</i>	11:33 AM 12:01 PM 12:12 PM	<i>Anemometer</i> 3.34 mph 6.84 mph 2.68 mph	<i>Beaufort</i>	<i>Direction</i> South Southeast South
<i>Weather today</i>	11:33 AM 2:01 PM	<25% Cloud Cover 26-50% Cloud Cover	No Rain No Rain	
<i>Weather the past 3 days:</i>	A bit cooler but nice			
<i>Tides- Tide Stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	10:45 AM 12:30 PM 1:30 PM	- Falling Rising	51 cm 25 cm 28 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>
	10:45 AM 12:30 PM	8.47 8.47		
<i>Water Temperature-</i>	11:33 AM	20 ° C	68 ° F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:43 AM	28 cm		
<i>Chemical</i>				

<i>Standardized Salinity- Low Range Quantabs</i>	12:05 PM	Below Detection				
<i>Student Salinity-Low Range Quantabs</i>	11:53 AM	31 ppm Cl ⁻			56 ppm Total Salinity	
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>			<i>ppm DO</i>	<i>% saturation</i>
	11:43 AM 12:22 PM	20 °C NR			7 ppm 8 ppm	
<i>pH – Color Match Kit</i>	12:10 PM	7				
Biological						
<i>Fish-Seine</i>	<i>Number</i>	<i>Name</i>			<i>Length of longest</i>	<i>Notes</i>
	50 50 1 7 27 3 1 2	YOY Herring spp. Spottail Shiner White Catfish Banded Killifish White Perch Striped Bass Pumpkinseed Tessellated Darter				
Fish Totals	TOTAL: 141	Diversity: 8				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>			<i>Length of longest</i>	
	5	Blue Crab				1 male blue crab was dead
Macroinvertebrate Totals	TOTAL: 5	Diversity: 1				
<i>Sediment Core - NR</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H₂S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

Boats					
Commercial/Recreational	Time	Type	Color	Southbound/ Northbound	Light/Loaded
Recreational	12:54 PM	Speed Boat	Black & Red White	Southbound	
Recreational	10:00 AM	Sailboat	White	Northbound	
Recreational	12:30 PM	Motor Boat	White/Red	Southbound	
Recreational	10:45 AM	Jet ski		Doing Circles	