

**Day in the Life of the Hudson River 10/05/2023**  
**Schodack Island State Park, Rensselaer, NY**  
**RIVER MILE: 134.5**  
*Salt Front: ~ RM 52*

**Columbia County Soil and Water Conservation District-Leanna O'Grady**  
**Ichabod Crane High School- Cori Drummond**  
**River Haggie-Fran Martino**  
**19 students, 11<sup>th</sup> & 12<sup>th</sup> grade, 1 adults**  
**Latitude 42.49861°N & Longitude -73.77744°W**

**Location:** Boat Launch at Schodack Island State Park, Rensselaer, NY  
**Surrounding Land Use:** 100% Forested  
**Sampling Site:** Grassy area surrounded by trees, large parking lot, boat launch and concrete bulkhead  
**Shoreline:** NR  
**Water:** NR  
**River Bottom:** Muddy  
**Plants in the water:** No Plants  
 \*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	11:27 AM	21° C	69.8° F	
<i>Wind Speed:</i>	11:05 AM	<i>Anemometer</i>	<i>Beaufort</i> 2	<i>Direction</i> SW
<i>Weather today</i>	11:00 AM	< 20% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Unusually warm, summer like temperatures (80s)			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	11:00 AM-1:00 PM	Falling		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	11:18 AM 12:05 PM	47.63 40.11	0.93 0.78	Ebb Ebb
<i>Water Temperature-</i>	11:36 AM 12:25 PM	19°C 20°C	66.2°F 68°F	
<i>Turbidity- Secchi Disk (cm)</i>	11:15 AM 12:05 PM	110.1 cm 127 cm		
<b>Chemical</b>				
<i>Standardized Salinity- Low Range Quantabs</i>	11:25 AM	37 ppm Cl-		67 ppm total salinity 1.6 quantab units
<i>DO – Lamotte Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i> % saturation
	11:35 AM 12:25 PM	19°C 20°C		6 ppm 75%
<i>pH – Color Match Kit</i>	11:30 AM 11:35 AM 12:25 PM	7.5 7.5 7.5		
<b>Biological</b>				
<i>Fish-Seining (3 Hauls)</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i> <i>Notes</i>

11:15 AM-12:15 PM	35	Banded Killifish				
<b>Fish Totals</b>	<b>TOTAL: 35</b>	<b>Diversity: 1</b>				
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>			<i>Length of longest</i>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>				
<i>Sediment Core -NR</i>	<i>Time</i>	<i>Oxid Top</i>	<i>H<sub>2</sub>S Smell</i>	<i>Oil</i>	<i>Grain Size</i>	<i>Other Features</i>

<b>Boats</b>					
<b>Commercial/Recreational</b>	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>Southbound/Northbound</b>	<b>Light/Loaded</b>
Recreational	11:14 AM	NR	White	Northbound	NR
Recreational	11:20 AM	Kayaks	NR	Southbound	NR
Recreational	12:23 PM	Sailboat	White	Southbound	NR
Recreational	12:24 PM	NR	White	Southbound	NR