

**Day in the Life of the Hudson River 10/05/2023**

**Dennings Point, Beacon, NY**

**RIVER MILE: 60**

*Salt Front: ~ 52*

**Wappingers High School-*Steven Birnbaum***

**Clarkson University's Beacon Institute for River and Estuaries-*Tony Shenderovich & Bridgette Walsh***

**23 students, 9<sup>th</sup>-12<sup>th</sup> grade, 8 adults**

**Latitude 41.49147°N & Longitude -73.98506°W**



**White Perch**



**Spottail Shiner**



**Striped Bass**

**Location:** Dennings Point, 200 yards south of Long Dock RD. Parking lot, Beacon, Dutchess County, NY

**Surrounding Land Use:** Nature preserve with few buildings, 50% Forested, 50% Beach

**Sampling Site:** Beach, covered with vegetation, rocky & sandy

**Shoreline:** Rocky & Sandy; Covered with vegetation

**Water:** Calm

**River Bottom:** NR

**Plants in the water:** Water Chestnuts

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:06 AM	19.5° C	67° F	
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	10:06 AM	< 25% Cloud Cover	No Rain	
<i>Weather the past 3 days:</i>	Last 2 days warmer, foggy			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	10:06 AM-10:35 AM	Falling	6.3 cm 3.8 cm	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Slack</i>
<i>Water Temperature-</i>	10:10 AM	22°	72°F	
<i>Turbidity- NR</i>				
<i>Chemical</i>				
<i>Standardized Salinity- Low Range Quantabs</i>	10:49 AM	67 ppm		
<i>Student Salinity- Hydrometer</i>	10:10 AM	6,000 ppm*	*Most likely an error	

<b>DO</b> – Chemets Kit	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>		
	12:30 PM		8-10 ppm			
<b>pH</b> – Wide Range pH Kit	12:30 PM	7.5				
<b>Biological</b>						
<b>Fish-Seine (18 Hauls)</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Notes</b>		
8:30 AM-12:00 PM	200 4 6 7 10	Herring sp. Spottail Shiner White Perch Striped Bass YOY	20.32 cm 7.6 cm			
<b>Fish Totals</b>	<b>TOTAL: 227</b>	<b>Diversity: 5</b>				
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>			
	2	Blue Crab	2.5 cm			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 2</b>	<b>Diversity: 1</b>				
<b>Sediment Core -NR</b>	<b>Time</b>	<b>Oxid Top</b>	<b>H<sub>2</sub>S Smell</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>

<b>Boats-NR</b>					
<b>Commercial/Recreational</b>	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>Southbound/Northbound</b>	<b>Light/Loaded</b>