

**Day in the Life of the Hudson River 10/13/22**

**Dennings Point North Bay, Beacon, NY**

**RIVER MILE: 60**

*Salt Front: ~RM 76*

**Clarkson University's Beacon Institute for Rivers and Estuaries– Asher Pacbt**

*2 adults*

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

**Location:** Dennings Point North Bay, Beacon, Dutchess County

**Area:** Nature preserve with a few buildings. Believe the area is mostly used for sightseeing and fishing, Beach area.

**Sampling Site:** Forested, beached, pipe entering the water, covered with vegetation, rocky and sandy

**Surrounding Land Uses:** 30% Forested; 70% Beach

**Shoreline:** 15% Sandy, 15% Muddy, 70% Rocky

**River Bottom:** muddy, sandy, rocky

**Water:** NR

**Plants in the Water:** NR

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature-</i>	10:30 AM	17.8°C	64°F	
<i>Wind Speed:</i>	10:30 AM	<i>Anemometer</i> 5 mph	<i>Beaufort</i> NR	<i>Direction</i> NR
<i>Weather today</i>	10:30 AM	>75% cloud cover	Start & Stop Rain	
<i>Weather the past 3 days:</i>	Warm, cloudy, windy			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
<i>Current- NR</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
<i>Water Temperature- NR</i>				
<i>Turbidity- NR</i>				
<b>Chemical</b>				
<i>Salinity-Hydrometer</i>	10:30 AM	2 ppt		
<i>Standardized Salinity – HR Quantabs</i>	10:24 AM 12:40 PM	1.8 ppt 1.8 ppt	Quantab reading 4.8 for both	1000 ppm Cl <sup>-</sup>
<i>DO – Chemets Kit</i>	<i>Time</i> 10:30 AM	<i>Temp</i> NR	<i>ppm DO</i> 9 ppm	<i>% saturation</i> NR
<i>pH – Color Match Kit</i>	10:30 AM	7.5		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
<b>Biological-</b>				
<i>Fish – Seine</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>10:30 AM-11:30 AM</i>	19	Blueback Herring	13 cm	7.5 cm
	1	Spottail Shiner	7.5 cm	-
	1	White Perch	15 cm	10 cm
	2	Pumpkinseed	15 cm	-
	2	YOY unidentified	5 cm	2.5 cm
<b>Fish Totals</b>	<b>TOTAL: 25</b>	<b>Diversity: 5</b>		

<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<i>Sediment Core – NR</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<i>Boats- NR</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					