

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

Long Dock Park, Beacon, NY

RIVER MILE: 61

Salt Front: ~ RM76

Scenic Hudson Tara Roy, Katie Phipps & Newburgh Free Academy

30 students & 5 adults

Latitude 41.50312 N & Longitude – 73.98696 W



Location: Long Dock Park, Beacon, Dutchess County, NY

Area: Long Dock Park- a former brownfield now public park used for fishing, launching kayaks, picnics, fieldtrips, enjoying scenic view of the Hudson River, Hudson Highlands, and Hudson Valley. Most of the shoreline on the south side is lined with trees.

Surrounding Land Use: 25% Forested; 15% Beach; 60% Other

Sampling Site: Beach area rocky with lots of sand, water chestnut and grass

Plants in area: water chestnut

River Bottom: Muddy, Rocky

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:55 AM	20° C	68°F	
<i>Wind Speed:</i>	11:26 AM	<i>Anemometer</i> 9 mph	<i>Beaufort</i> 5	<i>Direction</i> NR
<i>Weather today</i>	10:45 AM	> 75% cloud cover	Drizzle	
<i>Weather the past 3 days:</i>	Sunny fall day, high 60s, rain on DITL			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	10:50 AM-12:05 PM	Rising		32 cm 76 cm
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
	10:50 AM	3.03	NR	NR Flood
<i>Water Temperature-</i>	11:11 AM	18°C	64°F	
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:20 AM	23 cm		
<i>Chemical</i>				

Salinity- LR Quantabs	11:24 AM	616 ppm Cl-	1,113 ppm TS		
Standardized Salinity – HR Quantab	11:45 AM	922 ppm Cl-	1,666 ppm TS		
DO – Hach Drop Count Kit	<i>Time</i> 11:30 AM	<i>Temp</i> 18°C	<i>ppm DO</i> 11 ppm	<i>% saturation</i> 115%	
pH – Color Match Kit	10:11 AM 10:48 AM 11:18 AM	7.4 7.6 7.4			
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological					
Fish – Seine	Number	Name	Length of longest	Length of smallest	
10:20 AM – 12:00 PM	69 34 1 4 8 1 16 6	Blueback Herring Alewife American Shad Atlantic Menhaden Bay Anchovy Mummichog Atlantic Silverside Striped Bass	6 cm 6.8 cm 9.4 cm 6.8 cm 8.5 cm 5.3 cm 8.5 cm 9.2 cm	5.2 cm 5 cm	
Fish Totals	TOTAL: 139	Diversity: 8			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0			
Sediment Core - NA					
Length NR	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats-					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	2:20 PM	Barge	NR	Northbound	Loaded
Residential	9:30 AM	Sailboat	NR	NR	NR
	9:45 AM	Speedboat	NR	NR	NR