

**Day in the Life of the Hudson River 10/14/21**

**Long Dock, Beacon**

**RIVER MILE: 61**

*Salt Front: ~ RM 49*

**Kate Phipps & Scenic Hudson Staff- 4 adults**

no students at this site

**Latitude 41.50312 N & Longitude – 73.98696 W**



**Looking across to Newburgh – Calm waters with mat of plant material dotted with birds offshore**

**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 Recorded NA= Not Apply

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	1:50 PM	24 ° C	75.2 ° F	
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	1:50 PM	<25% cloud cover	<i>No rain</i>	
<i>Weather the past 3 days:</i>	Cloudy, seasonably warm, some drizzle			
<i>Tides-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South Ebb/Flow</i>
	NR	NR	NR	N/A
<i>Water Temperature- collected from bucket</i>	1:50 PM	21 ° C	69.8 ° F	
<i>Turbidity- Long sight tube</i>	2:00 PM	86 cm		
<i>Chemical</i>				
<i>Salinity- Low Range Quantab</i>	1:55 PM	Quantab reading 1.4	32 ppm chloride	58 ppm Total Salinity
<i>Standardized Salinity – Low Range Quantab</i>	2:15 PM	Quantab reading 2	51 ppm chloride	92 ppm Total Salinity

<b>DO – Hatch Drop Count kit</b>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:50 PM	21 ° C	11 ppm	120%
<b>pH – color match</b>	1:55 PM	7.1		
<b>Biological</b>				
<b>Fish –</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>
<i>NA did not seine</i>				-
<b>Fish Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>		
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>
<i>NA did not sample</i>				
<b>Macroinvertebrate Totals</b>	<b>TOTAL:</b>	<b>Diversity:</b>		