

**Day in the Life of the Hudson River 10/22/20**

**STEAMBOAT DOCK, VERPLANCK**

**RIVER MILE: 41**

*Salt Front: ~ RM 75*

**Hudson River Estuary Program– Megan Lung and Rianna Scanlon**

**Latitude 41.24936 N & Longitude – 73.936474 W**

**Location:** Steamboat Dock Park Beach, City of Verplanck, Westchester County , NY

**Area:** Located in a small cove between a point and a bulkhead- pier, beach, grassy, parking lot, banks altered, riprap, pipe entering the water

**Surrounding Land Use:** 70% Beach; 25% Urban; 5% Forest

**Sampling Site:** Beach and parking lot

**Shoreline:** 33% Sandy, 33% Muddy, 33% Rocky

**River Bottom:** Muddy

**Plants in water:** no plants in water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	5:00 PM	17° C	62 ° F	
<i>Wind Speed:</i>	4:55 PM	3.1 knots		
<i>Weather today</i>	No Rain			
<i>Weather past 3 days:</i>	Cloudy, humid			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:55 AM	4:02 PM	4:50 PM	Slack
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	5:10 PM	17 ° C	62 ° F	
<i>Turbidity- Long Sight Tube</i>	5:15 PM	62 cm		
<b>Chemical</b>				
<i>Salinity- Hydrometer</i>	5:00 PM	14 ppt		
<i>DO – Lamotte Drop Count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	5:15 PM	17 ° C	4 ppm	48%
<i>pH- Color Match Kit</i>	5:05 PM	8		
<b>Biological</b>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<b>Fish Totals</b>	<b>TOTAL:</b>	<b>Diversity:</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:</b>	<b>Diversity:</b>		
<b>Observations</b>				