

**Day in the Life of the Hudson River 10/22/19**

**MEMORIAL PARK, NYACK**

**RIVER MILE: 28**

*Salt Front: ~ RM 53*

**Nyack High School- Kirsten Kleinman and 2 additional NHS teachers**

**60 students 11<sup>th</sup> -12<sup>th</sup> grade**

**Latitude 41.08742 N & Longitude – 73.91576 W**

**Location:** Nyack Memorial Park, Nyack, Rockland County, NY

**Area:** Open and grassy, parking lot, picnics, fishing

**Surrounding Land Use:** 100% parkland

**Sampling Site:** beach, banks altered, riprap on shoreline, bulkhead

**River Bottom:** Sandy, 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>	NR			
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	NR			
<i>Weather the past 3 days:</i>	NR			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NR			
<i>Current-</i>	<i>Time</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>	
	NR			
<i>Water Temperature</i>	9-1PM	14.6 ° C		
<i>Turbidity-</i>	NR			
<b>Chemical</b>				
<i>Salinity- meter</i>	9-1PM	<i>Conductivity</i> 2920 uS	<i>Salinity</i> 2162 ppm	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9-1PM	14.6 ° C	10	
<i>pH –</i>	9-1PM	8		
<i>Nitrates-</i>	9-1 PM	0.5 ppm		
<i>Phosphates-</i>	9-1 PM	0.1 ppm		
<b>Biological</b>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Seine	4	White Perch		
	15	Striped Bass		
<i>Shared fish with Liberty ES and Upper Nyack ES</i>	4	Mummichogs		
	25	Atlantic Silversides		
	6	Spottail Shiners		
<b>Fish Totals</b>	<b>TOTAL: 54</b>	<b>Diversity: 5</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	8	Blue Crabs		
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 8</b>	<b>Diversity: 1</b>		