

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

**Memorial Park, Nyack**

**RIVER MILE: 28**

*Salt Front: ~ 49*

Kirsten Kleinman & Nyack High School

*75 students & 7 adults*

**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

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	11:00 AM	21 ° C	70 ° F	
<i>Wind Speed:</i>	NR	<i>Anemometer</i> NR	<i>Beaufort</i> NR	<i>Direction</i> NR
<i>Weather today</i>	11:00 AM	26-50% cloud cover	No rain	
<i>Weather the past 3 days:</i>	Mild			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	9:27 AM-12:00 PM	High Tide Falling	30 cm 10 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	NR	NR	NR	NR
<i>Water Temperature-</i>	12:00 PM	20.3° C	68.54° F	
<i>Turbidity- Secchi Disk</i>	12:00 PM	40 cm		
<b>Chemical</b>				
<i>Salinity- Low Range Quantabs</i>	12:00 PM	HR# 6.8 or 468ppm Cl-	845 ppm total salinity	Conductivity 1827uS
<i>Standardized Salinity- High Range Quantabs</i>	12:00 PM		1,122 ppm total salinity	
<i>DO – Meter/probe</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
	12:00 PM	20.3 ° C	8.6	NR
<i>pH – Meter</i>	12:00 PM	7.8		
<i>Nitrates- Meter</i>	12:00 PM	2 ppm		
<i>Phosphates-</i>	12:00 PM	0.2 ppm		
<b>Biological</b>				
<i>Fish -</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>Seine 10:45-11:45 – 16 seines</i>	200 1 1	Atlantic Silverside White Perch Striped Bass	7 cm 9.5 cm 9 cm	2 cm
<b>Fish Totals</b>	<b>TOTAL: 202</b>	<b>Diversity: 3</b>		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	2	Blue Crab	3 cm	NR

<b>Macroinvertebrate Totals</b>	<b>TOTAL: 2</b>	<b>Diversity: 1</b>			
<i>Sediment Core</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
NR	No	No	No	NR	NR
<i>Boats-NR</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Residential					