

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

MEMORIAL PARK, NYACK

RIVER MILE: 28

Salt Front: ~ RM 75

Rockland Soil and Water District – Nicole Liable, Brianna Rosamilia

Rockland Conservation and Service Corp: Kathy Galione, Kim Burgos

Outdoor Science Alliance- Ashley Curtis

Latitude 41.08742 N & Longitude – 73.91576 W



Location: Nyack Memorial Park, Nyack, Rockland, NY

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

Surrounding Land Use: 100% parkland

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

Plants in area: no aquatic plants in water

River Bottom: Sandy, muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	12:45 PM	19 ° C	66.2 ° F	
<i>Wind Speed:</i>	1:35 PM	1-3 knots		
<i>Weather today</i>	No Rain			
<i>Weather past 3 days:</i>	Drizzle, hazy, rain, warm			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:20 AM	3:32 PM	12:51 PM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	12:51 PM	16.256 cm/sec	North	Flooding
<i>Water Temperature-</i>	1:30 PM	17.7 ° C	63.86 ° F	
<i>Turbidity- Long Sight Tube</i>	1:26 PM	56 cm		
Chemical				
<i>Salinity- Meter</i>	1:20 PM	7.67 ppt		
<i>DO – Meter</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:28 PM	17.7 ° C	5.72 ppm	62.9
<i>pH – Color Match Kit</i>	1:56 PM	8		
<i>Conductivity- Meter</i>	1:30 PM	11406 microseimens/cm		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	9	Atlantic Silverside	7.62 cm	
	2	Striped Bass	11.43 cm	
	12	White Perch	19.05 cm	
	1	Mummichog	8.89 cm	
Fish Totals	TOTAL: 24	Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
Macroinvertebrate Totals	TOTAL:	Diversity:		