

Day in the Life of the Hudson River 10/22/20
UPPER NYACK STATE PARK, LOWER BEACH
RIVER MILE: 30.4

Salt Front: ~ RM 75

Lamont Doherty Earth Observatory– Margie Turrin, Laurel Zaima
Latitude 41.119759 N & Longitude – 73.91243 W



Young of year striped bass

Location: Nyack Beach State Park, Lower Beach, Upper Nyack, Rockland, NY

Area: Park/boat launch near Hook Mountain; sandy beach by the large sitting stairs

Surrounding Land Use: 40% Forested; 10% Industrial/Commercial; 40% Beach- used for recreation and picnics

Sampling Site: Beach, covered with vegetation beyond the beach, stonewall, riprap shore, pipe coming into the river south of the sampling site

Shoreline: Sandy and rocky, muddy offshore

River Bottom: sandy inshore (<3ft depth); muddy offshore (>3ft depth), scattered large rock (<2ft length inshore)

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	2:30 PM	20.3 ° C	68.5 ° F	
<i>Wind Speed:</i>	2:30 PM	0 m/s		
<i>Weather today</i>	No Rain			
<i>Weather past 3 days:</i>	Cold nights, days 50-60s, foggy, some rain 2 nights ago			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	9:21 AM	3:34 PM	3:00 PM	Slack
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NA			
<i>Water Temperature-</i>	2:38 PM	19 ° C	66.2 ° F	
<i>Turbidity- Long Sight Tube</i>	2:48 PM	57.8 cm		
Chemical				
<i>Salinity- Refractometer</i>	2:30 PM	10 ppt		
<i>DO – Hach Drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	2:37 PM	19 ° C	9 ppm	95
<i>pH – Color Match Kit</i>	2:37 PM	8		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	22	Atlantic Silverside	11 cm	6.5 cm
	1	Striped Bass	9 cm	
	1	Fry		
Fish Totals	TOTAL: 24	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
female	1	Blue Crab	2 cm	
	1	Moon Jelly		
Macroinvertebrate Totals	TOTAL: 2	Diversity: 2		
Observations				