

**Day in the Life of the Hudson River 10/14/21**  
**BOWLINE POINT TOWN PARK, HAVERSTRAW**

**RIVER MILE: 37**

*Salt Front: ~ RM 49*

**North Rockland High School-** Jeanne Maguire, C. Galligan and 4 teachers & 4 volunteers

77 students, 11-12<sup>th</sup> grade

**Latitude 41.20314 N & Longitude – 73.95765 W**

**Location:** Bowline Point Town Park, Haverstraw, Rockland County, NY

**Area:** Recreation, fishing area

**Sampling Site:** Beach area, pier, riprap, brick pieces

**Surrounding Land Use:** 10% Urban/Residential, 20% Forested, 10% Beach, 40% Industrial/Commercial, 20% Picnic/Park

**Shoreline:** 20% Sandy, 80% Rocky

**Water:** 91.4 cm depth

**River Bottom:** 20% Sandy, 80% Rocky

**Plants in water area:** None

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	9:19 AM	21 ° C		70 ° F
	10:18 AM	29.5 ° C		78 ° F
<i>Wind Speed:</i>		1 m/sec		2.24 mph
<i>Weather today</i>	Clear, no rain			
<i>Weather the past 3 days:</i>	Rained on 10/12/21			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Height (cm)</i>
	9:58 AM	-		73 cm
	10:13 AM	Falling		68 cm
	10:42 AM	Falling		63 cm
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	9:09 AM	30	0.584	South
	10:00 AM	4.7	0.091	South
	10:45 AM	57.5	1.112	South
<i>Water Temperature-</i>	9:20 AM	21, 21.7, 23,		70, 71, 73.4
	10:00 AM	23, 24		73.4, 75.2
	12:04 PM	22.5 ° C		72.7 ° F
<i>Turbidity-</i>		<i>Secchi Disk</i> 61cm, 56cm, 71cm: <b>Avg: 62.7cm</b>		<i>Long Sight Tube</i> 25cm, 27cm, <b>Avg: 26 cm</b>
<b>Chemical</b>				
<i>Salinity- Low Range Quantabs</i>	10:22 AM	381 ppm Cl-, 301 ppm Cl- <b>Avg: 341 ppm Cl-</b>		616 ppm total salinity
<i>DO – Drop count kit</i>	<i>Time</i>	<i>Temp</i>		<i>ppm DO</i>
	10:07 AM	24 ° C		7 ppm
	11:00 AM	21 ° C		8 ppm
<i>pH – Color match kit</i>	9:45 AM - 10:38 AM	7.5, 7.5, 7.5, 8.0,		<b>Avg: 7.6</b>
<b>Biological</b>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>
23ft net	47	Atlantic Silversides		7 cm
18 seines	4	Spottail Shiner		-
9:20-12:00 PM	1	American Shad		-

	1	Striped Bass	20.32cm		
<b>Fish Totals</b>	<b>TOTAL: 53</b>	<b>Diversity: 4</b>			
<b><i>Boats</i></b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial	9:04 AM	Ferry	White	West to dock	Loaded
	9:20 AM	Cargo	White/Black	North	Loaded
	9:20 AM	Cargo	Black	North	Loaded
Recreational	9:05 AM	Yacht	White/Black	South	Light
	9:20 AM	Sail	White	South	Light
	10:35 AM	Sail	Red	South	Light
	11:19 AM	Jetski	White	South	Light
	11:22 AM	Boat	Black/White	North	Light