

**Day in the Life of the Hudson River 10/13/22**  
**Riverfront Green, Peekskill**  
**RIVER MILE: 43.5**  
*Salt Front: ~ RM76*  
**Walter Panas High School- Michael Billy, 7 students & 1 adults**  
**Latitude 41.20299 N & Longitude – 73.95778 W**



**Location:** Riverfront Green, Peekskill, Westchester County, NY  
**Area:** Grassy, park area with sandy beachfront, pier, used for picnics, boating, and fishing  
**Surrounding Land Use:** 50% grassy park; 40% industrial/commercial; 10% beach  
**Sampling Site:** Beach with brick, charcoal, slag, and concrete bulkhead  
**Shoreline:** Rocky, sandy, muddy with pebbles  
**Water:** 2 ft  
**River Bottom:** Rocky

\*NR = Not read/recorded

<b>ITEM</b>	<b>Time</b>	<b>Reading</b>		<b>Comments</b>	
<b>Physical</b>					
<b>Air Temperature</b>	8:00 AM	12° C		54°F	
<b>Wind Speed:</b>	8:00 AM	<i>Anemometer</i>		<i>Beaufort</i>	<i>Direction</i>
		0		0	
<b>Weather today</b>	8:00 AM	> 75% cloud cover		Start & Stop Rain	
<b>Weather the past 3 days:</b>	NR				
<b>Tides-</b>	<b>Time</b>	<b>Rising, Falling, Unchanged</b>		<b>Water Height (cm)</b>	
	8:00 AM-10:30 AM	Slack Rising		9 cm 79 cm	
<b>Current-</b>	<b>Time</b>	<b>Cm/sec</b>	<b>Knots</b>	<b>North/South</b>	<b>Ebb/Flood/Still</b>
	8:30 AM 10:30 AM	NR	NR	NR	Flood Flood
<b>Water Temperature-</b>	8:10 AM	16.8°C		62° F	
<b>Turbidity- Long sight tube (120 cm)</b>	9:05 AM	37.8 cm		Conditions were wavy	
<b>Chemical</b>					
<b>Salinity- HR Quantabs</b>	8:15 AM	7.8 quantab units HR		3079 ppm Cl-	5,562 ppm Total Sal.
<b>Standardized Salinity – HR Quantab</b>	NR				
<b>DO – Chemet’s Kit</b>	<b>Time</b>	<b>Temp</b>		<b>ppm DO</b>	<b>% saturation</b>
	8:46 AM	16.8°C		7	70%
<b>pH – Color Match Kit</b>	8:40 AM 10:58 AM	7.5 7.5			

<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
<b>Biological</b>					
<b>Fish – Seine</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
9:30- 11:30 AM	2	Spottail Shiner	9 cm	-	
	29	Atlantic Silverside	12 cm	10 cm	
	6	White Perch	15 cm	6 cm	
	14	Striped Bass	7 cm	6 cm	
<b>Fish Totals</b>	<b>TOTAL: 51</b>	<b>Diversity: 4</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<b>Sediment Core -</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
7.5 cm	No	No	No	Abundant: sand, gravel, pebbles Common: mud	Rare: shells, coal, slag
<b>Boats-NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Residential					