

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

RIVERFRONT GREEN, PEEKSKILL

RIVER MILE: 43.5

Salt Front: ~ RM 49

Walter Panas High School- Michael Billy

25 student, 11th and 12th grade

Latitude 41.28561 N & Longitude – 73.93176 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

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>		17° C	62.6° F	
<i>Wind Speed:</i>	9:00 AM 12:00 PM	<1 mph 5 mph		
<i>Weather today</i>	Partly cloudy, 15% cloud cover			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height Change (cm/hr)</i>	
		Falling	30 cm / 3 hours	
<i>Water Temperature-</i>	9:30 AM	18° C		
Chemical				
<i>Salinity- Low Range Quantabs</i>	9:53 AM	89 ppm Cl-	161 ppm Total Salinity	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:04 AM	18° C	8 ppm	85%
<i>pH – meter</i>	9:53 AM	6.9		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	25	Herring		-
	3	Spottail Shiner		
	7	Striped Bass		
	2	Banded Killifish		
	2	Mummichog		
	3	Atlantic Silverside		
Fish Totals	TOTAL: 42	Diversity: 6		