

Day in the Life of the Hudson River 10/22/19

RIVERFRONT GREEN, PEEKSKILL

RIVER MILE: 43.5

Salt Front: ~ RM 53

Walter Panas High School- Michael Billy

27 students 11-12th 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>
<i>Physical</i>				
<i>Air Temperature</i>	8:45-9:15 AM	10 ° C		
<i>Wind Speed:</i>	8:45-9:15 AM	Beaufort 1		
<i>Weather today</i>	Overcast (100%) no rain			
<i>Weather past 3 days:</i>	NR			
<i>Tides- tide stick</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
HT at 5:43 AM LT 12:43 PM	8:00 AM	Falling	Fell 25 cm in 2.5 hours	
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	NR			
<i>Water Temperature-</i>	9:00 AM	15 ° C		
<i>Turbidity- long sight tube</i>	8:45 -9:15 AM	46 cm		
<i>Chemical</i>				
<i>Salinity- LR Quantabs</i>	8:45-9:15 AM	285 ppm Cl-	514.86 ppm total sal.	
<i>DO – drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:17 AM	15 ° C	9.5	93%
<i>pH – ColorpHast</i>	8:45-9:15 AM	6		
<i>Biological</i>				

<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
Seine: 20 ft 9 pulls total	41 31 7	Striped Bass Atlantic Silversides Spottail Shiner	5.5 cm 7 cm 8.5 cm	10AM first pull yielded 8 striped bass and 2 Atlantic Silverside
Fish Totals	TOTAL: 79	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	3	Blue Crabs		
Macroinvertebrate Totals	TOTAL: 3	Diversity: 1		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
	NR			
<i>Boats</i>	<i>Time</i>	<i>Name/Color</i>	<i>North/South</i>	<i>Loaded/Light</i>
	NR			
Observations	NR			