

Day in the Life of the Hudson River 10/12/17 Data

RIVER MILE 43.5

(Salt Front ~ RM 65)

Riverfront Green, Peekskill, Westchester

Michael Billy, Walter Panas High School - 29 students, 11-12th grade APES, 1 adult

Latitude N 41°17'13" Longitude W 73°55'53.53"



Location: Riverfront Green, Peekskill, Westchester County

Area: Grassy, park area with beachfront, pier, sandy beachfront, 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, and muddy with pebbles

Water depth: 2 ft.

River Bottom – rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature		13°C		
Wind Speed		9mph		
Cloud Cover		30%		
Weather today	Cloudy, light rain			
Weather recently	Rained within past 24 hours			
<i>Tide</i>	Ebb	4in/hr or 10.16 cm/hr	0.169cm/sec	
<i>Water Temperature</i> –	10:50 11:01	15°C 19°C		
<i>Turbidity</i> –	Secchi Disk Long Sight Tube	20cm 18cm		
<i>Chemical</i>				
DO	11:34	19°C	8ppm	86% saturation
pH	10:50 10:53 10:57	6 7 7	Average: 6.7	

Salinity Quantabs HR	7.6% NaCl	511 mg/L Cl ⁻	923.1ppm TS	
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Diversity/ Totals</i>
<i>Fish</i> <i>Length of net: 20ft 13 pulls</i>	14 1 3 2 2 2	Striped bass Red breast sunfish Spottail shiners White perch Anchovy Shad herring		DIV: 6 TOTAL: 24
<i>Macros</i>	1 (dead)	Crab		
<i>Sediment Core</i>	Description	Rare	Common	Abundant
	long			Clay Mud Sand Gravel Pebbles Leaves Brick