

Day in the Life of the Hudson River 10/20/15 Data

RIVER MILE 43

Riverfront Green, Peekskill, Westchester

Michael Billy, Walter Panas High School - 13 students, 11-12th grade APES, 1 adult

Latitude N 41°17'11" Longitude W 73°55'50"

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 20% sandy and 80% rocky

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	10:30 AM	54°F 12°C		
Wind Speed	10:30 AM	4 Beaufort		
Cloud Cover	<25%	clear		
Weather today	Cold and overcast			
Weather recently	Rain and drizzle			
<i>Water Surface</i>	Calm			
<i>Water Temperature –</i>	10:30 AM	64 °F 18°C		
<i>Turbidity –</i>	11:20 AM	Long site tube	41 cm 43 cm 43.3 cm	42.4 average
<i>Chemical</i>				
DO (drop kits)	11:37 AM	7 mg/l	18°C	73 % saturated
pH	10:18 AM	7.2		
Salinity - quantabs	High range >8.8	>6004 ppm Cl-		>10847 ppm Total Salinity
<i>Fish Catch- Noon</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Diversity/ Totals</i>
12:45 PM 20 ft. net X 4ft.	3	White Perch		DIV = 4 Totals - 65
8 pulls	54	Atlantic Silversides		
	6	Striped Bass		
	2	Herring		
<i>Core</i>	~6cm	H2S smell (slight)	Sand & gravel common	
<i>Shipping</i>	12:30 PM	Barge	Northbound	Loaded