

**Day in the Life of the Hudson River 10/24/14 Data
(Salt Front RM 65.3)**

RIVER MILE 43

Riverfront Green, Peekskill, Westchester

Michael Billy, Walter Panas High School - 44 students, 12th grade APES, 6 adults

Latitude N 41°17'13" Longitude W 73°55'54"



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Location: Riverfront Green, Peekskill, Westchester County

Area: Grassy, park area with beachfront, pier, sandy beachfront, used for picnics, boating and fishing

Surrounding Land Use: 100% beach

Sampling Site: beach with brick, charcoal, slag and concrete bulkhead

Water depth: 2 ft.

River Bottom – sandy, rocky.

Plants – Cottonwood, willow and sycamore trees

Site Observations: rocks, brick, crab shells, glass, water chestnut pods (devil's heads), twigs, leaves

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:52 AM	51°F 10.5°C		
Wind Speed	9:53 AM	3 Beaufort	8 kts 10 mph	NE
Cloud Cover	overcast			
Weather today	Cold and overcast			
Weather recently	Rain and drizzle			
<i>Water Surface</i>	Choppy			
<i>Water Temperature –</i>	8:45 AM	48 °F 12°C	10:32 AM	59 °F 15°C
<i>Turbidity – as noted</i>	9:00 AM	1) Secchi 2) Long site tube	61 cm 50 cm	Water somewhat turbid
<i>Chemical</i>				

DO (drop kits)	10:32 AM	9 mg/l	15°C	88 % saturated
pH	10:18 AM	7.2		
Salinity - quantabs	High range 5.4	.236 %NaCl	1432 ppm Cl-	2586 ppm Total Salinity
<i>Fish Catch- Noon</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Diversity/ Totals</i>
8:25 AM 60 ft. net X 4ft.	2	White Perch	8.6 cm	DIV = 3 Totals - 24
	21	Alewives	8.6 cm	
	1	Striped Bass	8 cm	
9:00 AM 30 ft. net	29	Herring	9.1 cm	DIV = 1 Totals - 29
9:56 AM 30 ft. net	19	Herring	8.9 cm	DIV = 2 Totals - 21
	2	Striped Bass	8.2 cm	
GRAND TOTAL	Total DIV	4	TOTAL Catch	74
<i>Tides</i>	8:20 AM	2 ft.		
	10:42 AM	4 ft		Rising
<i>Currents</i>	Time	Cm/30 sec	Cm/sec	Direction
	10:01 AM	82cm/30 sec	2.73 cm/sec	Flooding
<i>Sea Level Rise Activity</i>	A 36 inch rise in sea level resulted in an ~17 ft. ingress into the park.			
<i>Other Items</i>	Crow and seagull			