

Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~ RM 65)
RIVER MILE 76W
Bob Shepard Highland Landing Park, Highland, Dutchess County
Kevin Rizzo, Highland, 22 students, 8th grade Living Environment, 4 adults
41.715758° - 73.948°

Location: Bob Shepard Highland Landing Park, Highland, New York.

Area: New park, pier, grassy, parking lot, beach area. Park used for fishing, boating

Surrounding Land Use: 5% urban/residential, 40% forested, 10% beach, 15%

Industrial/Commercial, 30% public park

Sampling Site: shoreline is riprap, banks altered, concrete bulkhead, wood bulkhead, banks altered, broken concrete and docking debris, construction debris, some brick on shoreline.

Plants in area: none

Water depth: 2 ft. to 50 ft.

River Bottom –rocky, mucky

Sampled 9:00 AM to 1:00 PM

<i>ITEM</i>	<i>Time</i>	<i>Fahrenheit</i>	<i>Celsius</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:10 1:04	65.5°F 65	18.6 18.3	
Wind Speed <i>anemometer</i>		3.2 mph	East-west	
Cloud Cover	9:00 AM	26-50% partly	<i>Water condition</i>	Choppy at beginning, calm at end
Weather today	Cloudy and windy then got sunny			
Weather last 3 days	It was windy and rained at night			
<i>Water Temp.</i>	10:30 AM	69.8°F	21°C	
<i>Turbidity – Long sight tube</i>	10:45	37 37 37	Average: 37	
<i>Chemical</i>				
DO - meter	11:32 AM	12.6ppm		
pH – litmus paper	12:35	6 6	Average: 6	
<i>Salinity Drop count test kit</i>	10:45	196 ppm Cl- 196 ppm Cl-	354 ppm TS 354 ppm TS	
<i>Fish Catch 20 feet net 40 yard pull</i>	<i>Number Caught</i>	<i>Species</i>	<i>Largest</i>	

<i>Fish</i>	429	Herring	20cm (1) rest were 4-8cm	DIV: 5 TOTAL: 436
	4	American Bluegill	15cm	
	1	White Perch	12cm	
	1	Striped Bass	12cm	
	1	Spottail shiner	10cm	
<i>Tides – Time</i>	<i>Falling/ Rising</i>	<i>Height in cm</i>	<i>Rate/change cm/min</i>	<i>Rate per min.</i>
12:34	Falling		2 cm/10 mins	0.2 cm/min
<i>Currents</i>	<i>Time</i>	<i>Cm/30sec</i>	<i>Still/ebb/flood</i>	<i>Comment</i>
	10:30	762	ebb	
<i>Sediment Core</i>	<i>Description</i>	<i>Common</i>	<i>Abundant</i>	
	Smelled like salt, looked mucky			
<i>Ship Traffic – Commercial</i>	NR			
<i>Ship Traffic - Recreational</i>	NR			