

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)  
RIVER MILE 76W  
Bob Shepard Highland Landing Park, Highland, Dutchess County  
Kevin Rizzo, Highland, 31 students, 8th grade Living Environment**



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

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

**Surrounding Land Use:** 10 % urban/residential; 90% park area with grass and waterfront docks

**Sampling Site:** shoreline is riprap, banks altered, concrete bulkhead, wood bulkhead, banks altered

**Plants in area:** 10% water chestnut, 30% cattails, 20% dotted smartweed, 40 % purple loosestrife

**Water depth:** pretty shallow

**River Bottom** –muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Fahrenheit</i>	<i>Celcius</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:45 AM	51°F	12°C	
	11:00 AM	51	12	
	11:15 AM	53	13	
Wind Speed	11:15AM		Meter 5 mph	North
Cloud Cover	11:15 AM	overcast >75%		

Weather today	11:00 AM some rain			
Weather last 3 days	Rained hard one day. A little warmer than normal			
<b>Water Temp. 1 ft. H2O depth in shade, covered with plants</b>	9:50 AM	56.7°F	13.7°C	Measured twice same results
<b>Turbidity – long site tube</b>	9:48 AM	58 cm 28 cm		
<b>Chemical</b>				
DO - meter	10:08 AM 11:19 AM	9.2 ppm 7.8 ppm	16°C 17°C	90% 80%
pH – color match	9:30 AM	7.3 6.9 7.2 avg. 7.1	10:40 AM	7.5 7.0 7.2 avg. 7.2
Salinity -	10:19 AM		113 ppm Cl-	204 ppm total salinity
Phosphate	9:50 AM	0.2 ppm		
Nitrate	9:50 AM	0.3 ppm		
<b>Fish Catch – 10feet net</b>	<b>Number Caught</b>	<b>Species</b>	<b>Largest</b>	
11:00 AM	1	Catfish	45 cm	<b>Diversity 2 Total Catch 2</b>
	1	Bluegill Sunfish	5.1 cm	
<b>Tides</b>	10:42 AM 10:57 AM 11:12 AM	0 -23 cm -24.5 cm	Overall drop 24.5 cm	Ebbing (falling)
<b>Currents</b>	11:25 AM	EBBING		
<b>Ship Traffic</b>	10:42 AM	Recreational	White & Black	Northbound/light
<b>Observations</b>	Living (Biotic): Geese and gulls, Non Living (Abiotic): rocks, shells, glass and plastic			