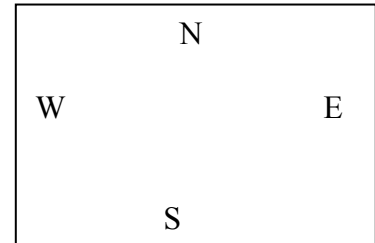


Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 76W
Bob Shepard Highland Landing Park, Highland, Dutchess County
Kevin Rizzo, Highland, 30 students, 8th grade Living Environment, 4 adults



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

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

Surrounding Land Use: 50 % urban/residential; 40% urban/residential; 10% park area with grass and waterfront docks

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: ~10% plants in water (not identified)

Water depth: 2 ft. to 50 ft.

River Bottom –mostly rocky at shoreline with mud ad silt at greater depths

Sampled 9:00 AM to 1:00 PM

<i>ITEM</i>	<i>Time</i>	<i>Farenheit</i>	<i>Celcius</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	NR			
Wind Speed	NR			
Cloud Cover	NR	25-50%	<i>Water condition</i>	Choppy
Weather today	No rain today			
Weather last 3 days	Cool weather but a dry season			
<i>Water Temp.</i>	NR	°F	°C	
<i>Turbidity – Secchi disc</i>	NR	65 cm 76 cm	Average – 71 cm	

		72.5		
Long sight tube		34 31.4 35.6 cm	Average 33.6 cm	
Chemical				
DO - meter	NR			
pH – litmus paper & pH pen	NR	Recorded at N for neutral to slightly basic		
Salinity -	NR			
Fish Catch – 10feet net	Number Caught	Species	Largest	
NR	2	Striped Bass	11 cm	Diversity 3 Total Catch 183
	179	American Shad	10 cm	
	2	Tessellated darter	6 cm	
Tides – Time	Falling/ Rising	Height in cm	Rate/change cm/min	Rate per min.
9:30 AM		0		
10:00 AM	Falling	-43 cm	43/30	1.43 cm/min
10:40 AM	Falling	-109 cm	66/40	1.65 cm/min
11:00 AM	Falling	-145 cm	36/20	1.8 cm/min
11:45 AM	Falling	-175 cm	30/45	0.67 cm/min
12:10 PM	Falling	-299 cm	124/25	4.96 cm/min
12:30 PM	Falling	-312 cm	13/20	0.65 cm/min
Currents	Time	Cm/sec	N/S	Comment
	9:37 AM	12.88	N	Orange was thrown in different places
	9:41 AM	4.28	N	
	9:53 AM	31.5	N	
Ship Traffic – Commercial	9:12 AM	UBL 85	Black	South/Light
	9:12 AM	Arabian Sea	White	South/Light
	11:30 AM	NR	Red	South/Light
	11:45 AM	Bouchard	Black	South/Light
	12:20 PM	Cap Willy Landers	Blue	North/Light
Ship Traffic - Recreational	12:25 PM	River Wrangler	White	North