

Day in the Life of the Hudson River 10/20/16
(Saltfront ~ RM 83)
RIVER MILE 84.5
Mills-Norrie Point Environmental Center, Staatsburgh, NY, Dutchess County
Jim Herrington, Norrie Point Environmental Center
34 High School 12th graders, 4 adults
Shannon Considine, Poughkeepsie High School
18 High School students
41.8319 N – 73.9425W

Location: Sampling done Norrie Cove and the SW corner of Norrie Point Env. Center Patio. East side of Hudson far from the main channel in a protected cove
Area: Substantial paved areas nearby, large environmental center building adjacent to the water. Shallow cove, facing south onto the HR, bordered by RR embankment, parking lot & the environmental center.
Surrounding Land Use: 90% Forested; 10% Parking lot, road and building
Sampling Site: Front banks altered, Rip Rap. Cove is very muddy with some riprap and west side is rocky
Shoreline: beach area, shore with bulkhead, shoreline rip rap, banks altered for EEC building, riprap along RR tracks, collected wood and debris in shallow cove, piping entering river area
Plants in area: All water chestnut had died back leaving only detritus; some water milfoil (several big patches 10X10 ft.; Some water celery in rocky river side but none in cove.
River Bottom –50% muddy and 50% rocky
Water Depth – 2 ft.

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Time			
Air Temperature	NR	°C	°F	
Wind Speed	NR			
Cloud Cover				
Weather today				
Weather recently	Dry and warm			
Water Surface	Choppy			
<i>Water Temperature – cloudy</i>	AM	13°C	55°F	
<i>Turbidity</i>	TIME	Cm		
	NR			
<i>Chemical</i>				
DO - (Hach drop count)	NR			

pH – indicator solution	<i>Time</i>	Reading #1	Reading #2	Average
	<i>NR</i>			
Salinity	Time	Chl- units	Chloride	Total Salinity
Quantabs	NR			
<i>Fish Catch – ~50 ft. net</i>				
<i>American Eel</i>	1	FISH	DIV 9	
<i>Banded Killifish</i>	6		TOTALS 136	
<i>Goldfish</i>	25			
<i>Bluegill Sunfish</i>	36			
<i>Pumpkinseed</i>	16			
<i>Red breasted Sunfish</i>	3			
<i>Tesselated Darter</i>	7			
<i>Spottail Shiner</i>	37			
<i>Smallmouth Bass</i>	1	MACR	DIV 1	
<i>Blue Crab</i>	4		TOTALS 4	
Tides	<i>time</i>	<i>cm</i>	<i>Rising/Falling</i>	<i>Cm difference</i>
	<i>NR</i>			
Currents	<i>Times</i>	<i>Cm/30 sec</i>	<i>Cm/sec</i>	<i>Kts – N/S</i>