

Snapshot Day 10/14/10
(Salt Front RM 36.0)
RIVER MILE 84.5
Mills-Norrie Point Environmental Center, Staatsburgh, NY, Dutchess County
Rebecca Houser, Dan Miller and SCA members
Bryan Woods, Poughkeepsie High School
33 – 10th graders
N41°51minutes W73°54 minutes



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: 75% State Park; 15% Forested; 10% Beach
Sampling Site: Banks altered, Rip Rap
Shoreline: beach aarea, shore with bulkhead, shoreline rip rap, covered with vegetation (some duckweed on surface, water celery in the bay- mostly uprooted), banks altered for EEC building, riprap along RR tracks, collected wood and debris in shallow cove, piping entering river area
Plants in area: yes sampling site has plants
Water depth: 57-32 cm depth
River Bottom – weedy, muddy and rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Time			
Air Temperature	9.59 AM	15°C 60 °F		

	10:22 AM	21°C 64 °F		
	10:41 AM	21°C 64 °F		
	11:45 AM	24°C 72°F		
	12:49 PM	21°C 64 °F		
Wind Speed	Beaufort #1-2	1-3 knots	South	
Cloud Cover	Partly cloudy			
Weather today				
Weather recently				
Water calm	Water calm			
<i>Water Temperature</i>				
	10:45 AM	13°C 56°F		
	12:05 pm	18 °C 64 °F		
<i>Turbidity Long Sight Tube</i>	<i>Time</i>	<i>cm</i>		
<i>Sight tube</i>	1:00 PM	10 cm	8 cm	9 cm average
<i>Chlorophyll Chemical</i>				
DO (drop count)				
	10:50 AM	9.0 mg/L 8 mg/L 8.5 average	13°C	78%
	Noon	8.0 mg/L 8.0 mg/L	18°C	83%
Salinity				
-	10:45 AM	5 ppm (?)		
	11:42	28 ppm		
<i>Fish</i>				
	# of fish	size of largest	<i>Fish Species</i>	
	24		Pumpkinseed	
	6		Tessellated darter	
	3		American Eel	
	12		Spottail Shiner	

	15		Banded Killi	
	1		Black Crappie	
	5		American Shad	
	5		Blue Herring	
	3		Alewife	
	2		White Perch	
	1		Golden Shiner	
	1		Goldfish	
	1		Striped Bass	
	1		Brown Bullhead	
	1		Blue Claw Crab (Male)	
<i>Tides</i>	<i>time</i>	<i>cm</i>	<i>Time</i>	<i>cm</i>
	9:55 AM	21 cm	10: 55 AM	8 cm falling
	10:05 AM	18 cm falling	11:05 AM	6 cm falling
	10:15 AM	15.5 cm falling	11:30 AM	2 cm falling
	10:25 AM	13.5 cm falling	11:40 AM	1.9 cm falling
	10:35 AM	10 cm falling	11:50 Am	0.5 cm falling
	10:45 AM	9 cm falling	12:00 noon	0 cm falling
<i>Currents</i>	10:00 AM	Still	1 m/15 sec	
	10:45 AM	Ebb	3m/57 sec	
	11:50 AM	Still	4.6 m/135 sec	