

Day in the Life of the Hudson River 10/4/12
RIVER MILE 84.5
Mills-Norrie Point Environmental Center, Staatsburgh, NY, Dutchess County
Jim Herrington, Norrie Point Environmental Center
Bryan Woods, Poughkeepsie High School
60 High School 10-12th graders, 6 adults
N412° 0248 W73° 924

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: 95% Forested; 5% Beach

Sampling Site: Banks altered, Rip Rap

Shoreline: beach area, 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:0-5%

River Bottom – weedy, muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>	Time			
Air Temperature	Through sampling	21-25°C 69-70°F		
Wind Speed				
Cloud Cover	Foggy, wet			
Weather today	Rainy and foggy			
Weather recently	Wet and humid			
Water calm	Water calm			
<i>Water Temperature</i>		18-20°C 65-68°F		
<i>Turbidity</i>	Throughout the sampling	22 cm - 69 cm		
<i>Chlorophyll</i>				2
<i>Chemical</i>				
DO (drop count)	Group 1	5 mg/L 7 mg/L		
	Group 2	7 mg/L 7 mg/L		
	Group 3	5 gm/L 6 mg/L		

	Group 4	7.5 mg/L 7 mg/L		
pH	Group 1	7.5 7.25		
	Group 2	6.8 7.5		
	Group 3	7.3 7.2		
	Group 4	7.5 7.0		
Salinity	Record confused			

<i>FISH TOTALS;</i>	Seine #1	Seine #2	Seine #3	Species
<i>DIVERSITY - 13</i>	10	19	1	SUNFISH
<i>TOTALS - 64</i>	1	1	1	GOLDEN SHINER
	1	1	2	GOLDFISH
	1			BLACK CRAPPIE
	4	2		SPOTTAIL SHINER
	2	1		EEL
	2	3	1	BLUE CRABS
	2	1		TESSELATED DARTER
	1			YELLOW PERCH
	1			BANDED KILLIFISH
	4			BULLFISH
	1			CATFISH
	1			PUMPKINSEED
	<i>time</i>	<i>cm</i>	<i>Rising/Falling</i>	<i>cm</i>
	9:30 AM	8 cm		
	10:03 AM	-10 cm		
	11:30 AM	10 cm		
	1:30 PM	40 cm		
<i>Currents</i>				
<i>Shipping</i>				