

**Day in the Life of the Hudson River 10/16/14 Data
(Salt Front RM 65.9)**

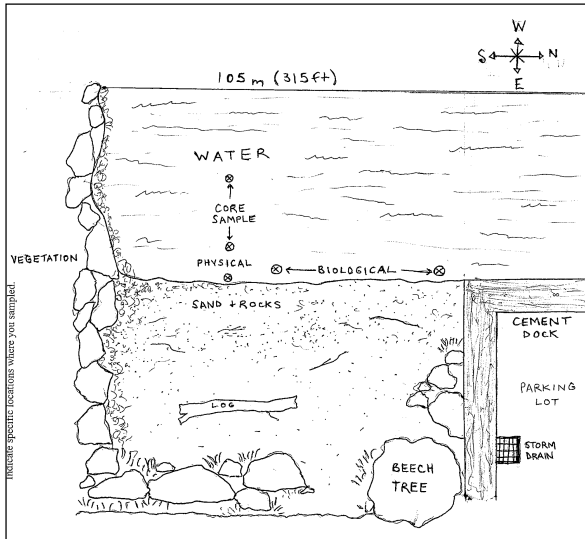
RIVER MILE 41

Steamboat Dock Park, Verplanck, Westchester

Bob Connick, Sott Rizzo, Mahopac High School;

**Environmental Research and Field Biology 9th - 12th graders –14 students, 2
teachers**

Latitude N 41°14958 & 41.24936 Longitude W 73°936474



Location: Steamboat Dock Park beach, City of Verplanck in Westchester County

Area: located in a small cove between a point and a bulkhead – Pier, Grassy, Parking Lot

Surrounding Land Use: Boating, Picnics, Swimming, Fishing, Jogging

Sampling Site: beach, riprap, banks altered, dock, bottom rocky, bulkhead, pipe south of the sampling site 10-15 m.

Shoreline: Sandy, rocky

Plants in area:

Other: No plants in water

Water depth: 3 ft.

River Bottom – sandy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed	11:30 AM	Beaufort 5		
Cloud Cover	11:30 AM	>75% cloud cover	Overcast	
Weather today	11:30 AM –cloudy, rainy			
Weather recently	Humid and wet			
<i>Water Surface</i>	Choppy			
<i>Water Temperature –</i>	11:30 AM		21.1°C 21.1°C	
<i>Turbidity –</i>	11:35 AM	~43 cm Transparency tube	14 NTU	
<i>Chemical</i>				
DO (drop kits)	11:43 AM	21.1 °C	9 ppm	98% Saturation
pH	11:30-	8.0		7.8 average
Indicator solution	11:40 AM	7.6		

Salinity YSI SCT meter	11:25 AM	5.0 ppt		
Alkalinity (Hach dropcount)	11:43 AM	80 mg/L		
Nitrates (Hach color kit)	11:45 AM	0 mg/L	Used Hach colorimeter w/10 mg/L standard – read 9.6 mg/L	
Phosphate (colorimeter)	10:50 AM	0.57 ppm	Used Hach colorimeter w/3.0 ppm standard – read 2.89 ppm	
Fish Catch- 12:05 AM	Number Caught	Species	Size of largest	Seine
25 ft net X 4ft– 300 ft. pull	3	Striped Bass		
	2	Atlantic Silversides		
	18	Shiners		
Total Catch	23	Total Diversity 3 species		
CPUE	25 ft x 100 ft	23 fish/762 m	0.030 CPU	
Coring	Unable to collect			
Tides*	TIME	Amt. Rise/ Fall		
	*Stick was swept away by wind, waves and current			
Current *	Time	Direction	Ebb/Flood	Speed
	*not recorded			
Traffic - commercial	Type	Name	North/South	Loaded/Light
11:140 AM 12:00 PM 12:00 PM	Tug	McRussel Kape Wendy Thomas DWhite	Southbound Southbound Southbound	Loaded
Birds	6 Ring Bill Gull, 2 Canadian geese, 6 Turkey Vulture, 6 Mallards, 4 Cormorants, 1 Peregrine Falcon			