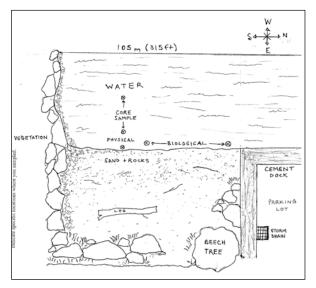
Day in the Life of the Hudson River 10/10/13 Data (Salt Front RM 69.3) RIVER MILE 41

Steamboat Dock Park, Verplanck, Westchester Bob Connick, Sott Rizzo, Mahopac High School; Teatown Lake Reservation Environmental Research and Field Biology 10th - 12th graders -18 students

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: 95% wild grape, 3% honey suckle, 1% locust, 1% sumac Other: Plants Water celery in water, green and brown algae covering rocks.

Water depth: 12 meters River Bottom – sandy, rocky

Area Observations: brick pieces on ground, water chestnut seeds, shell pieces, 3 crab

shells, overgrown.

Possible Impacts: stormdrains, roads, parking lot

ITEM	Time	Reading 1	Reading 2	Comments
Physical				

Air Temperature						
Wind Speed	10:30 AM	5-10 mph	NW			
Cloud Cover	10:25 AM	>75% cloud cover	Overca	st	100% stratus	
Weather today	11 AM – co	onstant rain				
Weather recently						
Water Surface	Choppy					
Water	10:20 AM	0.75 cm water		21.7°C	Overcast	
Temperature –	11:30 AM	0.75 cm water		21.7°C		
Turbidity –	11:30 AM	54 cm Transparency	tube		Lot of suspended material	
Chlorophyll	Test 1	0.3		Test 2	1.0	
Chiorophyu Chemical	1031 1	0.5		1031 2	1.0	
DO	10:10 AM	21.7 °C		8 ppm	87%	
(drop kits)	10:20 AM	21.7 °C		8 ppm	87 % Saturation	
рН	10.50AM	8.0		8.0		
Indicator solution	11:10 AM	7.8		7.6		
Salinity	10:20 AM	6.2 ppt		6.1 ppt		
YSI SCT meter	11:30 AM	5.4 ppt		5.4 ppt		
Conductivity	10:20 AM	10.19 mS		10.14 mS	1 1	
YSI SCT meter	11:30 AM	9.07 m/S		8.87 mS	0.64 conductivi	
Alkalinity	10:40AM	80 mg/L				
(Hach kit: drops)						
Nitrates (Hach color kit)	10:30 AM	1.1 mg/L				
Phosphate	10:30 AM	0.55 ppm				
(colorimeter)	10:40 AM	0.25 ppm				
	11:13 AM	0.00 ppm		Used cold		
Fish Catch- 11:00 AM	Number Caught	Species		Size of largest	Seine	
25 ft net X 4ft– 300 ft. pull	8	Striped Bass		7 cm		
6 seines in 60 minutes	1	White Perch		20 cm		
Totals	2	Shiners		8 cm		
Total Catch	11	Total Diversity 3 species				
Invertebrates	1 12	large male blue crab combjelly (ctenophore)				
Coring	Too rocky to	core				

Tides	TIME	Amt. Rise/ Fall				
	10:20 AM	2 inches		Set stick		
	10:45 AM	4.5 inches	Rise			
	10:55 AM	6 inches	Rise			
Currents	11:05 AM	10 inches	Rise			
	Time	Direction	Ebb/Flood	Speed		
	10:45 AM	North	Flood	Slow		
Traffic -	Color	Name	North/South	Loaded/Light		
commercial						
10:14 AM	White	David Scudder	Southbound	Light		
10:56 AM	Red (tug pushing barge)	Fred Johanntsen	Southbound	Light		
11:15 AM <i>Recreational</i>	White	David	Northbound	Light		
10:40 AM	Black	Scudder	Southbound	Light		
11:35 AM	White	Wild Child	Northbound	Light		
		Isis				
Birds	20 Ring Bil Vulture	20 Ring Bill Gull, 2 Cormorant, 2 Canadian geese, 1 Turkey Vulture				