

Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 41
Steamboat Dock Park, Verplanck, Westchester
Latitude N 41° 14'.56" Longitude W 73° 57'.52"
Bob Connick & Mahopac High School 9th & 10th graders



Location: Steamboat Dock Park beach, City of Verplanck in Westchester County
Area: located in a small cove between a point and a bulkhead – sampled approximately 30 ft. from south end of dock/parking lot
Surrounding Land Use: Urban/residential 10% , Forested 10%, beach 10%, Industrial commercial 70%. Some buildings with large parking lots in front to the north. Beach, a street with houses with some trees to the south
Sampling Site: beach, riprap, banks altered
Plants in area: 7% covered with plants in water:
 Water Plants include: clasping pondweed 50%
 Sago pondweed 50%
 Eel weed – 2% (*possibly Vallisneria*)
 Land Plants include: Black locust 65-70%
 Virginia Creeper – 15%
 Tree of Heaven – 5%
 Poison Ivy – 5%
 Milkweed – 1%
 Wild Grape 4%
Water chestnut seedpods present on the ground
Water depth: 65 cm
River Bottom – sandy bottom with some rocks

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:52 AM	19°C		
	11:30 AM	24°C 62 °F		

	11:50 Am	26°C		
Wind Speed	7-10 knots	NE		
Cloud Cover	overcast			
Weather today	Clearing up			
Weather recently	2 inches of rain last night			
Water Temperature	10:54 AM	69° F 21°C	11:23 AM	69° F 21°C
Turbidity	12:30	.93 m	93 cm	secchi
Chlorophyll		0.2		
Core	13.5 cm	7.5 cm top layer	6 cm bottom layer	
	Total	Mud rare	Sand common	Brick abundant
	Clay rare			
Chemical				
DO (drop kits)	10:45 AM	7.45 mg/L	21°C	83.4%
	11:25 Am	7.2 mg/L	21°C	82.5 %
pH Indicator sol	11:20	7.7	7.6	.7.7
Phosphate				
Nitrate				
Alkalinity	11:20	85 mg/L	68 mg/L	102 mg/L
Salinity Drop test	11:20 AM	1.6 ppt	1.7 ppt	1.5 ppt
Fish Catch	Number Caught	Species	CPUE	Seine
20 ft net – 3 seines	17	Striped bass		
	3	white perch		
	Present (not tallied)	Atlantic silversides		
	Possible juvenile	American Shad		
Tides				
Group A	10:46 AM	65 cm		
	11:16 AM	78 cm	rising	
Group B* New stick set	11:45 AM	59 cm	rising	
	12 noon	65 cm	rising	
Currents (no times listed but at site 10:30 – 12:30)	50cm/60 secs	0.83 cm./sec.	0.017 knots	flood

	150 cm/60 secs	2.5 cm./sec.	0.05 knots	flood
<i>Traffic</i>	No time	Barge	Southbound	Loaded with crates
<i>Other Items</i>	<i>Beach Items</i>	Eel grass fragments (<i>probably wild celery</i>)	Water chestnut seed pods	