

**Snapshot Day 10/14/11 Data
(Salt Front RM 35.7)
RIVER MILE 40 - Boat
Aboard the Clearwater, docking King Marina Dock, Verplanck, sampling to
Montrose Point in Haverstraw
Tom O'Dowd, Hudson River Sloop Clearwater
June Complongo, The Peekskill Middle School
8th grade – 87 students
Latitude 41N Longitude 73W**

Location: Docking at Verplanck with sampling up to Montrose Point in Haverstraw

Area: Channel Sampling

Surrounding Land Use: urban/residential 45%, forested 30%, beach 5%, industrial/commercial 20%

Sampling Site: Pier shoreline where started but sampled in open water

Plants in area:

Water depth: 10:30 AM = 33.2 Feet (Haverstraw Bay)

10:45 AM = 38.8 Feet (Greens Cove)

11:00 AM = 38.8 Feet (in transit)

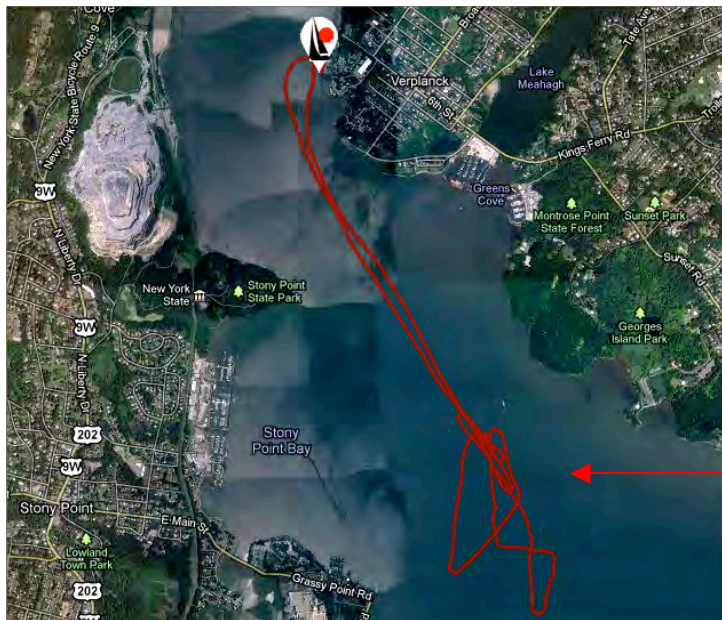
11:30 AM = 37.8 Feet (Verplanck Point)

11:45 AM = 40.5 Feet (South of Verplanck)

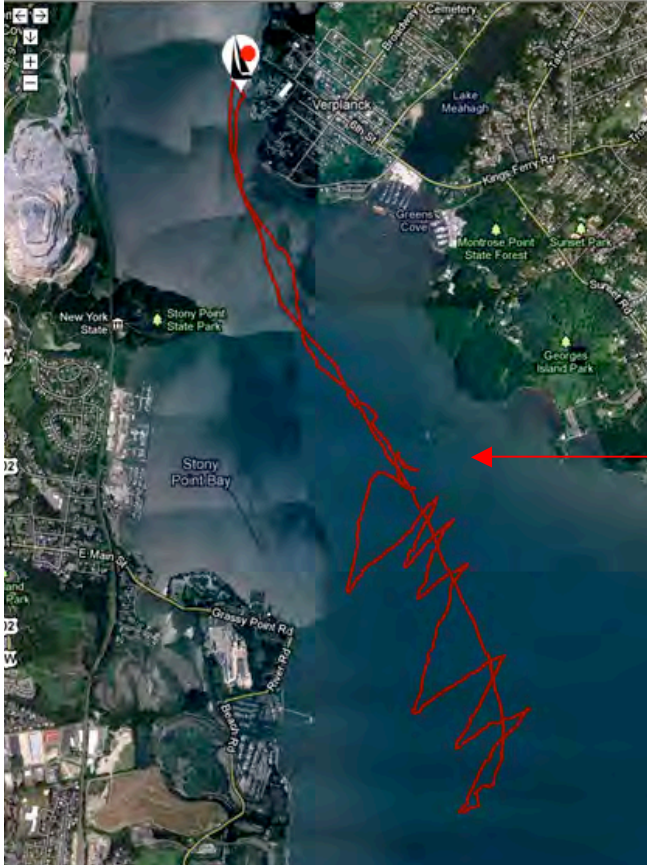
River Bottom: Fishy!

Plants: No plants in sampling area – too deep

Two Sails during the day – One in the AM and one in the PM – Routes below:



AM Sail



Fishing Spot 2

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	66° F 19° C	10:45 AM	70° F 21° C
	11:00 AM	70° F 21° C	11:30 AM	74° F 23° C
	11:45 AM	80° F 27° C		
Wind Speed	10:30 AM	Beaufort #2	South	
Cloud Cover	Partly cloudy AM	Some clouds PM		
Weather yesterday	A little rainy yesterday			
Water	calm			
<i>Water Temperature</i>	10:55 AM	66° F	19 ° C	
	11:00 AM	66° F	19° C	
	11:15 AM	64° F	18° C	

<i>Turbidity</i>	<i>Site tube</i>	<i>1st reading</i>		
Long site tube	10:45 AM	16.75 cm		
<i>Chlorophyll</i>	11:40 AM	1.5		
<i>Chemical</i>				
DO (drop count kit)	10:55 AM	10 mg/L	19 ° C	110% saturated
	11:15 AM	10mg/L	18° C	100 %
	11:40 AM	10 mg/L	18° C	100%
Full day DO	HRECOS	8.0- 8.4 mg/L	18° C	80%
pH strip	11:30 AM	6		Average 6.25
	11:40AM	6.5		
Salinity	<i>Time</i>	<i>Reading</i>	<i>Cl-Reading</i>	<i>Method</i>
Quantabs	10:55 AM 11:15 AM	.7 - .8	<32 ppm Cl- OR <52.39 total salinity	0.63 psu from HRECOS sonde = 630 ppm (Sonde set ~8 ft.)
<i>Trawl</i>	<i>TIME</i>	<i>Species</i>	<i>Number</i>	<i>Max. Length</i>
<i>Fish</i>	9:50 AM	Hogchoker	2	5 inches
	1:38 PM	Hogchoker	11	5.5 inches
<i>Macroinverts</i>		scuds		
<i>Plankton Tow</i>		Copepods		
<i>Tides</i>				
<i>Currents</i>	Time	Type	N/S	Full/Light & Carge
<i>Traffic</i>	10:30	Small Sailboat	SE	
	10:30	Powerboat	West	
	10:45	Sailboat under motor	S	
	2:30	Catamaran	S	
	2:45	Riverkeeper!	S	
	Eva Cutler	(Tug pushing fuel? barge) North	N	FULL (Fuel)
	4:00	Miss Ink (Red Sailboat)	S	
	4:10	Commander	N	
	4:15	Sea Tow	N	
	4:30	NY 3324 UX	S	(one of two seados)
<i>Other –</i>	A reddish fish (carp?) jumped out of the water around 1:00 PM! Stony Point Lighthouse (North of Haverstraw) Working Quarry (North of Stony Point)			