

Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 7 - Boat
79th Street Boat Basin/Center of Hudson
Brian Mohan, Hudson River Sloop Clearwater
Bank Street School 3rd graders – 35 students AM & 40 students PM

Location: 79th street boat basin & On the Hudson

Area: Channel Sampling, Rocky Shore

Surrounding Land Use: 15% forested; 70% urban/industrial – lots of boats, marina; 20% commercial. Banks altered, riprap

Sampling Site: There are rock and timber bulkheads forming the shoreline. The Marina is made of some stationary and some floating docks.

Plants in area: The shoreline is planted with trees (50%), shrubs and flowers. Trees are oak, maple, yew & teak

Water depth: 5-8 ft. at sampling site – deeper at end of pier

River Bottom –unable to determine

Plants in water – none except phytoplankton

Water: calm

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:50 AM	50° F 12° C		
	2:30 PM	65° F 18° C		
Wind Speed	10:50 AM	5-8 mph NW		
	2:30 PM	6-11 mph Beaufort #2	4-6 kts.	
Cloud Cover	sunny	Warm & a breezier during the day		
Weather yesterday	Clear & dry		Water Calm	
<i>Water Temperature</i>	10:50 AM	65 ° F	18.3° C	Deep – 20 ft.
<i>Turbidity</i>	10:50 AM	60 cm		Sight tube
	3:10 PM	70 cm		
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (drop count kit)	10:40 AM	8 mg/L	Temp 18.3° C	85% saturated
	11:00AM	6 mg/L	Temp 18.3° C	63% saturated
	11:10 AM	7 mg/l	Temp 18° C	70% saturated
	2:40 PM	6 mg/L	Temp 18° C	63% saturated
	2:50 PM	5 mg/L	Temp 18.3° C	52% saturated

pH	Time		Colorimeter	
	12:48 PM	Top	7.5	
	2:54 PM	Bottom	8.0	
Salinity	Time	Method	Reading	
	10:20 AM	Hydrometer	14 ppt	
	2:30 PM	Hydrometer	10 ppt	Surface
	2:50 PM	Hydrometer	10 ppt	Deep - 20 feet down
Trawl	Number Caught	Species		Minnow traps
	10:00 AM	Moonfish	4	4 inch
		Hog Chokers	1	3 inch
		Bay Anchovies	15	3 inch
		Weakfish	1	14 inch
		Striped Bass	1	5 inch
	2:00 PM	Moonfish	4	4 inch
		Hog Chokers	2	4 inch
		Bay Anchovies	10	2 inch
Tides				
Currents	9:30 AM	ebb		
	2:00 PM	flood		
Traffic	10:45 AM	Buchanan 12 tug	Red	Loaded/stone barge Southbound
	@ GW	Tug/Barge		Northbound
	11:04 AM	Buchanan	White & Black /Red Barge	Southbound full of gravel
	2:30 PM	King Phillip	Green	
	2:30 PM	North River 2 tugs pushing	Grey	Southbound Empty
	2:30 PM	DEC Boat	Grey/White	Full
	2:35 PM	Circleline		
Other	Helicopter	Rocks	Sky blue	Water small waves
	GW Bridge	Trees among city	No clouds	Birds
	Lighthouse	Water blueish/green	Cold water & wind	Skyscrapers
	Plastic bottle			