

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 3
The River Project – Pier 40
Latitude N 40°43.267 Longitude W074°00.784
UTM E 583352 N4508267
J. T. Boehm, The River Project
Bob Wallace - The Wallerstein Collaborative for Urban Environmental
Education/NYU
Karen Johnson & 3rd grade teachers - Trevor Day School – 58 students

Location: Pier 40, Hudson River

Area: large pier surrounding water access – 400 feet of waterfront

Surrounding Land Use: urban/residential 100%

Sampling Site: Banks altered; concrete & wood pilings

Plants in area: None

Water depth: 15 ft.

River Bottom – muddy

(Measurements taken from 10:30 AM to 12:00 PM, average given when possible)

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:55AM- 11:30 AM	74.65		(average of 12 measurements 73, 74, 74, 74.7, 76, 75.2, 76, 76.1, 75.8, 74, 74, 73)
Wind Speed	11:00 AM	4-6 knots		breezy
Cloud Cover				partial
Weather today	Sunny to cloudy, breezy but warm			
Weather recently	Warm and dry			
<i>Water Temperature</i>	10:25AM – 11:35 AM	22.5 C		(average of 10 measurements - 24, 21, 22, 22, 21, 25, 22, 22, 24, 22)
<i>Turbidity</i>	10:25 AM – 11:45 AM	75.3 cm (average of 6 measurements – 69.2, 66, 80.6, 77.4 79, 79.6)		These measurements were taken with a Secchi disc tube
<i>Chlorophyll</i>				Collected by Chris
<i>Chemical</i>				
DO	10:25 AM –	4 ppm		(average of 6

(drop count kit)	11:35 AM			measurements – 4, 4, 4, 4, 4, 4 ppm)
pH	10:30 AM – 11:35 AM	7.2		(average of 6 measurements – 7, 7, 7, 7, 8, 7)
Salinity	10:30 AM – 11:35 AM	25.2		(average of 10 measurements – 32, 36, 22, 24, 24, 22, 22, 23, 24, 23)
<i>Invertebrate Catch</i>	<i>Number Caught</i>	<i>Species</i>		Minnow traps
10:30AM-11:30AM	2	Blue crab, <i>Callinectes sapidus</i>	male	
	72	Snails, <i>Ilyanassa obsoleta</i>		
	4	Grass shrimp, <i>Palaemonetes pugio</i>		
	9	Mud crab, <i>Panopeus herbstii</i>		
<i>Vertebrate Catch</i>	<i>Number Caught</i>	<i>Species</i>		Minnow traps
10:30AM-11:30AM	3	Toadfish, <i>Opasnus tau</i>		
	1	Winter Flounder, <i>Pleuronectes americanus</i>		
	1	Striped Bass, <i>Morone saxatilis</i>		
<i>Tides</i>				
<i>Currents</i>				
Boat traffic	Vessel Name	Heading North or South		
10:30AM	Ferry (NY Waterway)	N		
	Police Motorboat	N		
10:35am	Tugboat	S		
	NY Waterway Tour	S		
	NY Waterway	S		

	Ferry			
	NY Waterway Ferry	N		
10:40am	NY Waterway Taxi	S		
10:45AM	Motorboat	S		
	Tugboat	S		
	NY Water Taxi	N		
10:50 am	Speedboat	S		
	NY Water Taxi	N		
	Yellow tax	S		
11:05 AM	Yellow tax	S		
11:15	Motorboat	N		
11:20	Circle Line Ferry	S		
	Circle Line Ferry	S		
11:25	Tugboat	N		
	NY Waterway tours	N		
	Barge	N		
11:35	NY Waterway Ferry	N		
	NY Water Taxi	N		