

**Snapshot Day 10/7/08
(Salt Front RM 63.4)
RIVER MILE 2**

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Project**

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Latitude N 40°43.267 Longitude W074°00.784

UTM E 583352 N4508267

Location: Pier 40 North 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 were taken from 11:30 AM to 1:30 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		15.3 degrees		(average of 15, 16, 15, 14, 15, 17)
Wind Speed		8-12 mph		(12 mph, 12, 8-12, 4-7, 8-12)
Cloud Cover	None			
Weather today	Chilly, sunny, breezy			
Weather recently	Rainy, cloudy, warmer			
<i>Water Temperature</i>	11:22-12:16	60.5°F		(average of six reading 61, 60, 61, 60, 60 61)
<i>Turbidity</i>				
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (drop count kit)	11:22-12:16	4 ppm		4 ppm
pH	11:15 to 12:10PM	7.05		(average of 7, 7.25, 7, 7.1, 7,

				7
Nitrate				
Salinity	11:15 to 12:10	13.6 ppt		(average of 14, 14, 16, 13, 12, 15, 14, 14, 12, 14, 13.5, 11, 14, 13.5, 14
Turbidity	11:21 to 12:16	87.5 cm		(Sechi Disk – tube- 86.8cm, 85, 88, 83, 88.2 and 94cm
<i>Invertebrate Catch</i>	<i>Number Caught</i>	<i>Species</i>		<i>Minnow traps</i>
11:00 to 12:00PM	1	Green Crab, <i>Carcinus maenas</i>		
	26	Snail, <i>Ilyanassa obsoleta</i>		
	11	Grass shrimp, <i>Palaemonetes pugio</i>		
	3	Mud crab, <i>Panopeus herbstii</i>		
<i>Vertebrate Catch</i>				
11:00 to 12:00PM	2	Pipefish, <i>Syngnathus fuscus</i>		
	2	Toadfish, <i>Opsanus tao</i>		
<i>Tides</i>				
<i>Currents</i>				
Boat Traffic	11:24 11:30 11:21 11:31 11:34 11:35 11:45 11:50 11:55 11:56 11:57	2 circle line Barge Ferry Sailboat Ferry Sailboat Tugboat Sailboat Tugboat Ferry Ferry	Down Anchored Up Up Down Up Down Down Up Down Up	

	12:00	Yacht	Down	
	12:02	Barge	Up	
	12:03	Tugboat	Down	
	12:08	Speedboat	Up	
	11:15	Sailboat	Down	
	11:18	Speedboat	Up	
	11:36	Ferryboat	Across(to NJ)	
	11:45	Ferryboat	Liberty	
	12:05	Ferry NY Waterway	Down	
	12:05	Speedboat	Down	
	12:06	Speedboat	Up	
	12:11	Speedboat	Down	
	12:11	Speedboat	Down	
	12:12	NY Waterway	Down	
	12:14	Speedboat		
	12:14	Speedboat	Down	