

Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE East River 1 East
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Location: South of the Manhattan Bridge

Area: Urban park surrounded by old warehouses, stores, apartments

Surrounding Land Use: 30% large rocks; 35% grass; 8% playground; 15% plants (landscaped); 2% sidewalk, steps; 10% pier and buildings (park office, old brick warehouse)

Sampling Site: Rocky shoreline (large black rocks), pier, small sandy beach

Plants in area: green & brown seaweed

Water depth: 6 ft.

River Bottom –rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	18° C 65°F	10:30 AM	19° C 66°F
	11:45 AM	22° C 70°F	12:00 noon	22° C 70°F
	2:00 PM	25° C 68°F	2:30 PM	25° C 68°F
	2:40 PM	24.2° C 75.7°F	2:45 PM	23° C 71°F
Wind Speed	10:00 AM	Beaufort 3	11:00 AM	Beaufort 3
	2:00 PM	Beaufort 4 19-30 km/hr Southeast	2:40 PM	Beaufort 4 19-30 km/hr Southeast
Cloud Cover	cloudy			Small waves in H2O
Weather today	Light rain, cloudy and overcast in the AM, shift to partly			

	cloudy as day went on.			
Weather last 3 days	Yesterday - Heavy rain throughout PM, thunderstorms, cooler. Past two days was sunny and warm			
Water Temperature	10:00 AM	17.2°C	2:00AM	17.3 °C
Turbidity	11:36 AM	1.12 m	11:36 AM	1.12 m
	2:15 PM	43 cm	2:15 PM	43 cm
Chlorophyll	11:45 AM	0.5	11:45 AM	0.5
	2:32 PM	0.5	2:32 PM	0.5
Chemical				
DO	10:32 AM	5.1 ppm	17.2 ° C	53%
	11:00 Am	5.2 ppm	17.2° C	53%
	1:00 PM	4.83 ppm	17.3° C	48%
	2:00 PM	5.2 ppm	17.3° C	53%
pH	10:00 AM	7.5		
	11:00 AM	8.0		
	1:00 PM	8.3		
Nitrate	10:00 Am	1.1-2.2ppm	11:00 AM	0.1ppm
	1:55 PM	1.33 ppm	1:55 PM	1.125 ppm
Alkalinity				
Salinity	10:32 AM	25.6ppt		
	11:00 AM	26.7ppt		
	2:00 PM	28 ppt		
Fish Catch	Number Caught	Species		
	Japanese crabs -	5, about 2 inches in diameter		
Tides	10:15 AM	70 cm		Class J
	10:40 AM	95 cm	Rising	
	11:10 AM	22 cm		Class I
	11:30 AM	17 cm	Falling	
	1:55 PM	1.5 m		Class K
	2:25 PM	1.5 m	None -Slack	
	1:57 Am	150 cm		Class L
	2:25 PM	150 cm	None-slack	
Currents	10:20 AM	South		Class J
	11:26 AM	southeast		Class I
	1:52 PM	Southwest		Class K
	1:52 PM	South		Class L
Other Items	Small Oil slick noted	Particles in water	Garbage on beach & in water	

<i>Core Description</i>	<i>Total Length</i>	<i>Top Layer</i>	<i>Second Layer</i>	<i>Describe</i>
Core #1	14 cm	1 cm	4 cm	Small rocks: black, orange, brown Dark brown sand
Core #2	9 cm	No layers		Small rocks: black, white, green and brick color