

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE East River 4
Solar One
Sarah Manley – Solar One
Erin Lubick – PS33 Chelsea Prep – 5th grade (28 students)
40°N 44'N 73°58'W

Location: FDR Dr. , New York City, NY

Area: On the East River. Walkway along river, shoreline rocky

Surrounding Land Use: 50% industrial/commercial; 50% park

Sampling Site: Beach in one area of site, 50% covered with vegetation and 50% bulkheaded with wood timbers

Plants: none

Water Depth: 1 foot

River Bottom: rocky & weedy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:03 AM	73.9° F 23.3° C		
	11:15 AM	74.6° F 23.6° C		
Wind Speed	11:00 AM	2 knots	From South	
Cloud Cover	Partly cloudy			
Weather yesterday	Sunny – mid 70s			
<i>Water Temperature</i>	11:05 AM	72.5°F 71.2°F 74.2°F	22.5°C 21.3°C 23.5°C	Average 72.6°F 22.6°C
<i>Water Calm</i>	yes			
<i>Turbidity Secchi disk</i>	11:15 AM	.125 m .2m .17m		.165 meters
<i>Chlorophyll</i>	11:25 AM	0.3	12:15 PM	0.1
<i>Chemical</i>				
DO	12:15 PM	9.0 mg/L	Temp. 22°	100 % saturated
pH (pH pen & indicator solution)	11:50 AM	7 7.5 7		Average 7
Phosphate				
Nitrate				
Alkalinity	n/a			
Salinity –	noon	23 ppt		23 ppt

		24ppt 23 ppt		refractometer
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		Shared oysters from Solar One's oyster bank
<i>Core Sample</i>				
<i>Tides</i>				
	10:30 AM		Rising	
<i>Currents</i>				
<i>Site is in a cove – may interfere with currents</i>		south		
<i>Other</i>				
<i>Pollution</i>	Used wood Chairs Bottles bags			