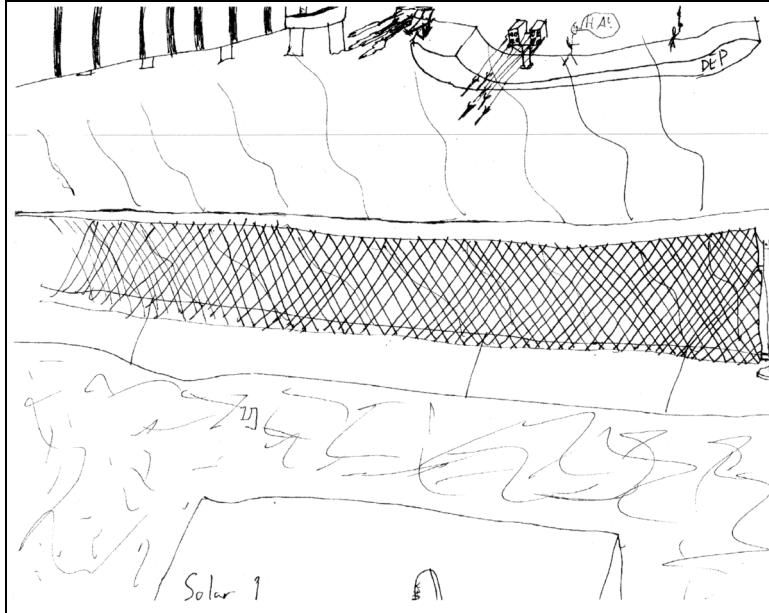


Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE East RM 4W
Sarah Pidgeon - SOLAR ONE
City-As-School – 20 HS chemistry students



Location: Solar One, The East River at 23rd St.

Area: Beach area

Surrounding Land Use: Stuyvesant Cove Park

Sampling Site: Recreational pier – rocks near the edge, banks altered

Depth: 8 feet at high tide

Plants in area: Native Plants!

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30-10:30 AM	22°C 24.5°C 22.25°C	71.6 °F	22.92°C average
Wind Speed				
Cloud Cover	Clear sky			
Weather today	Sunny but breezy & cool			
Weather recently	Sunny & cool, Rain 2 nights ago			
<i>Water Temperature</i>	9:30-10:30 AM	18°C 19.6°C 18.8°C		Avg. 18.8°C
<i>Turbidity -</i>	9:30-10:30	<10 NTUs	Not a lot of	10.5 NTUs

<i>meter</i>	AM	11 NTUs ~10.5 NTUs	suspended particles in the water	avg.
<i>Chlorophyll</i>	9:30-10:30 AM	0.5 0.3 0.4		
<i>Chemical</i>				
DO (LaMotte tabs)	9:30-10:30 AM	4 ppm 8 ppm 6 ppm	18.8 ° C avg DO 6 ppm	65% saturated
pH tabs	9:30-10:30 AM	8 6.5 7.25		7.25 average
Phosphate - LaMotte	9:30-10:30 AM	1 ppm 1 ppm		
Nitrate - LaMotte	9:30-10:30 AM	2.0 ppm		
Salinity (hydrometer/ refractometer)	9:30-10:30 AM	17 ppt 25 ppt 21 ppt		21 ppt avg.
<i>Tides (from dock)</i>	9:30-10:30 AM	High Tide		
<i>Coliform</i>	Positive	Positive		Samples came from area by a CSO & rain last night
<i>Boats</i>	9:30-10:30 AM	Tug Boat	South	
		Cargo Ship	South	
		Speed Boat	South	
		Sewage Boat	North	