

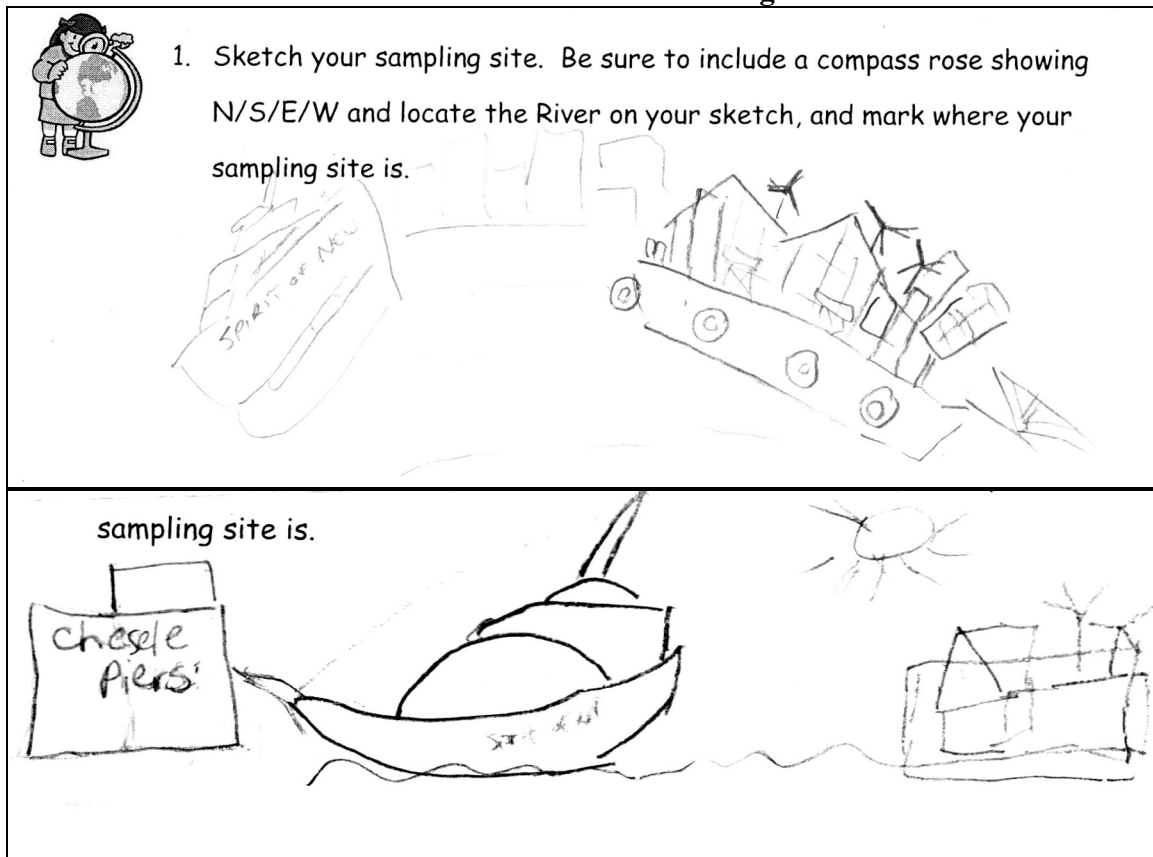
**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 3.5**

Location: Chelsea Pier, Pier 61

**Sara Hanna – The Science Barge/NY Sunworks, Sara Hanna, educator
School for International Studies – Rachel Byron-Law**

12th grade students - 8

40°7478 Latitude -74°0081 Longitude



Two images from the student sampling sheets. Boat to the right is the Science Barge with windmills displayed, and solar panels on the top image. Boat to the right of the Science Barge is the Spirit of New York cruise ship.

Area: *Sampling off the Science Barge stationed at the Chelsea pier*

Surrounding Land Use: Industrial Commercial 100%

Sampling Site: Banks altered, Bulkhead area with collected wood debris

Plants in area: None

Land Use: Boating and recreation

Water Depth:

River Bottom – muddy and rocky – water brownish green

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	12:11 PM	59.6°F		
	12:28 PM	59.9°F		
	12:49 PM	61.6°F		
Wind Speed	Beaufort #1	West		Water calm
Cloud Cover	clear			
Weather today	Cool and clear			
Weather recently	Rain yesterday, cool and cloudy day before, cool and clear before that			
Water Temperature	12:22 PM	65.48°F 18.6°C		
	12:42 PM	18.4°C		
	12:05 PM	18.5°C		
Turbidity - secchi	12:18 PM	4.25 meters		3.9 m average
	12:36 PM	4 meters		
	12:55 PM	3.5 meters		
Chlorophyll				
Chemical				
DO (drop count kit)	12:05	4.0 ppm	18.5°C	42% saturated
pH - meter	12:07 PM	6.7 6.9 7.02		6.87 avgerage
Salinity	12:47 PM	400 ppm* must be an error		meter
Tides	12:06 PM	falling		
	12:24 PM	falling		
	12:44 PM	Falling		
Currents	12:06 PM	South		Hard to observe current at this location
	12:24 PM	South		
	12:44 PM	South		
Other	<i>Organic</i>	Seagulls	fish	Feathers in the water
	<i>Non-organic</i>	helicopters		
Traffic	12:00 PM	Circle line ship		
	12:33 PM	Plane		

	12:55	Boat White		
<i>Observation</i>	Very calm, relaxing, quiet, some birds			