

Snapshot Day 10/14/10
(Salt Front RM 36)
RIVER MILE 4.1
Shay Saleem – Intrepid Sea, Air and Space Museum
Karine Kelley, PS 230/5-219 – district 15
5th grade, 25 students
Latitude N 40° 45.417 Longitude W074° 00.11



Location: The Intrepid next to Pier 84

Area: large ship at pier surrounding water access

Surrounding Land Use: 40% urban/residential, 10% forested, 40% industrial commercial

Sampling Site: Pier, Bulkhead (wood timbers), used for boating, banks altered, covered in vegetation

Plants in area: None

Water depth: 15 ft.

River Bottom –muddy, sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:20 PM	61°F		
Wind Speed	Beaufort 1-2	2-3 mph	From the East to the West	
Cloud Cover	Mostly cloudy			
Weather today	Dry			
Weather recently	Monday thunderstorm, Tuesday drizzling, Wednesday sunny			
<i>Water surface</i>	calm			
<i>Water Temperature</i>	Noon	24°C		
<i>Turbidity</i>				

<i>Chlorophyll</i>				
<i>Chemical</i>				
DO Color reaction	12:15 PM	18°C	4 mg/L	
	12:23 PM	18 °C	4 mg/L	
pH – Lamotte colormetric	12:15 PM	8.0 7.0 8.0		Average 7.66
	12:30 PM	8.0 8.0 9.0		Average 8.33
Nitrate (color reaction)	12:24 PM 12:31 12:35	0 ppm 0 ppm 0 ppm		Waiting only one minute on the last test as ran out of time
Phosphate (color reaction)	12:18 PM 12:26 PM 12:34 PM	1 ppm 0 ppm 0 ppm		
Salinity (Hydrometer)	12:17 PM	10.5 ppt 10 ppt 10 ppt		
	12:31 PM	10.5 ppt 10.5 ppt 10 ppt		
<i>Tides</i>				
<i>Currents</i>	12:15 PM	Flowing North	Flood	
<i>Boats</i>	10:46 AM	Circle Line white/green/red	Southbound	Empty
	10:47 AM	Waterways Blue, white	Northbound	Full
<i>Other Observations</i>	Helicopters	Airplanes	kite	