

**Snapshot Day 10/19/11
(Salt Front RM 35.7)
RIVER MILE 4.1**

**Shay Saleem – Intrepid Sea, Air and Space Museum
Julie Soriano, Amistad Dual Language School PS/MS 311, 6th grade, 40 students
Latitude N 40°45 Longitude W074°00**



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: 20 ft.
River Bottom –muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:20 AM	57 °F 14 °C		
	12:20 PM	60 °F 16 °C		
Wind Speed	Beaufort 2	6 km/hr	SW-NE	
Cloud Cover	Partly cloudy			
Weather today	Dry			
Weather recently				
<i>Water surface</i>	calm			
<i>Water Temperature</i>				

<i>Turbidity</i>				
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	11:12 AM	0 ppm	0 ppm	Avg. 0 ppm
Color reaction				
.	12:00 PM	2 ppm	4 ppm	Avg. 3 ppm
pH – Lamotte colormetric	11:07 AM	7.0 6.5 7.0		Avg. 6.83
	12:02 PM	7 7	8 8	Avg. 7.5
Nitrate (color reaction)	11:09 AM	0 ppm 0 ppm		Avg. 0 ppm
	12:04 PM	5 ppm 0 ppm		Avg. 2.5 ppm
Phosphate (color reaction)	11:05 AM	2 ppm 2 ppm		Avg. 2 ppm
	12:00 PM	2 ppm 1 ppm		Avg. 1.5 ppm
Salinity (Hydrometer)	11:05 AM	5 ppt 6 ppt		Avg. 5.5 ppt
	12:05 PM	5 ppt 6 ppt		Avg. 5.5 ppt
<i>Tides</i>				
<i>Currents</i>				
<i>Boats</i>	11:11 AM	NYP boat -	blue, white, black	Northbound
	11:11 AM	Circleline	White	Northbound
	11:14 AM	Coast Guard –	red, white	Southbound
	11:17 AM	NY waterway	Boat – white & navy	Northbound
	12:05 PM	Barges	Brown	South - full
	12:06 PM	Large boats	White	South - full
	12:07 PM	Fury - taxi	Yellow	North- full
	12:07	City Line	White & B	South- full
	12:11 PM	Jug	Black	South
<i>Other Observations</i>	Butterflies			