

**Snapshot Day 10/20/16
(Salt Front ~RM 83)
RIVER MILE 5.7**

**Gerri Hall and Shay Saleem – Intrepid Sea, Air and Space Museum
Rebecca O’Brien, Alyssa Grossman, Rafael Media PS 51, Alias Howe
4th grade, 43 students and 7 adults
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	NR	°C	°F	
Wind Speed				
Cloud Cover	Partly cloudy			
Weather today	NR			
Weather recently				
<i>Water surface</i>				
<i>Water Temp</i>	NR			
<i>Turbidity</i>	NR			
<i>Chemical</i>				
DO Estuary Wide kit	AM	8.2 ppm 7.6 8		Avg. 7.9 ppm
pH – Estuary wide kit	AM	7.2 7.0 7.5		Avg. 7.9
Nitrate (color reaction – estuary wide)	AM	12 ppm 13 ppm 11 ppm		Avg. 12 ppm
Phosphate (color reaction)	AM	1 ppm 1 ppm 1 ppm		Avg. 1 ppm
Salinity (Hydrometer)	AM	12 ppt 11.7 ppt 12.2 ppt		Avg. 11.96 ppt