

**Snapshot Day 10/12/17  
(Salt Front ~RM 65)  
RIVER MILE 5.7**

**Gerri Hall, Michael Stevens, Jennifer Elliot and Jonathan Milard– Intrepid Sea, Air  
and Space Museum**

**Rebecca O'Brien, Alyssa Grossman, Rafael Media PS 51, Alias Howe  
4<sup>th</sup> grade, 64 tudents 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>
<b><i>Physical</i></b>				
Air Temperature	NR	°C	°F	
Wind Speed				
Cloud Cover	Partly cloudy			
Weather today	NR			
Weather recently				
<b><i>Water Temp</i></b>	11:49 Am	18°C		
<b><i>Turbidity</i></b>	NR			
<b><i>Chemical</i></b>				
DO Estuary Wide kit	AM	8 ppm 8 8	Avg. 8 ppm	<b>TOTAL AVERAGE 6.33 ppm</b>
		4 ppm 5ppm 8 ppm	Avg 5.66	
		4 ppm 4 ppm 8 ppm	Avg 5.33	
pH – Estuary wide kit	11:49 AM	7.0 7.0 7.0		Avg. 7
Nitrate (color reaction – estuary wide)	AM	5ppm 5ppm 5ppm		Avg. 5 ppm

Phosphate (color reaction)	AM	2ppm 2ppm 1ppm		Avg. 1.6 ppm
Salinity (Hydrometer)	AM	24 ppt 26 ppt 27 ppt		Avg. 25.6 ppt