

**Snapshot Day 10/2/07 Data  
(Salt Front RM 78.2)  
RIVER MILE 5  
Pier 84  
N 41.76548 W-74.00**

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Mark Soobyiah & PS 51 Elias Howe School (28 fourth graders)**

**Location:** Pier 84, an educational pier. Picnics, boating, fishing take place at our sample site.

**Area:** Pier – bulkhead – mainly concrete & wood

**Surrounding Land Use:** 95% urban/residential; 1% forested; 3% industrial/commercial; 1% parkland

**Sampling Site:** Recreational pier – rocks near the edge, couldn't really get bottom samples.

**Depth:** 500 cm, rocky

**Plants in area:** None

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:20 AM	25°C		
	11:40 AM	25°C		
Wind Speed	Record #2	4-6 knots	N	Water choppy
Cloud Cover	90% covered			
Weather today	Mostly cloudy			
Weather recently	No rain, sunny/partly cloudy			
<i>Water Temperature</i>				
	9:30 AM	21°C		
	10:22 AM	68°F 20 °C		
	10:51 AM	68°F 20 °C		
	11:15 AM	68°F 20 °C		
	11:48	68°F 20 °C		
<i>Turbidity turbidity tube</i>	11:45 AM	69.0 cm 82.2 cm 72.4 cm		74.53 cm

<b><i>Chemical</i></b>				
DO chemets	9:30 AM	5.5 ppm		
DO (drop count kit)	11:09 AM	6.2 mg/L	20 ° C	60% saturated
pH (litmus)	9:30 AM	7		
pH indicator solution	11:06 AM	7.4 7.4 7.4		7.4
Phosphate				
Nitrate	n/a			
Alkalinity	n/a			
Salinity (hydrometer)	9:30 AM	20.9 ppt	1.015 on hydrometer	
	10:46 AM	28 ppt, 22 ppt 22 ppt		24 ppt
<b><i>Fish Catch</i></b>				
<b><i>Tides Grp #1</i></b>	10:04 AM	500 cm		
	10:35 AM	500 cm	unchnged	
<b><i>Grp #2</i></b>	10:40 AM	500 cm		
	10:59 AM	500 cm	unchanged	
<b><i>Grp #3</i></b>	11:06 AM	500 cm		
	11:18 AM	500 cm	unchanged	
<b><i>Grp #4</i></b>	11:30 AM	500 cm		
	11:54 AM	500 cm	unchanged	
<b><i>Currents</i></b>	10:11 AM	15.9 cm/North	.318 knts	Flood
	11:10 AM	292 cm/North	5.84 knots	Flood
	11:35 AM	50 cm/North	1 kts	Flood
<b><i>Boats</i></b>				
<b><i>Other Observations</i></b>				