

**Snapshot Day 10/8/09
(Salt Front RM 60.3)**

RIVER MILE 2

Katie Mosher-Smith – NY/NJ Baykeeper

Roy Arezzo, Ann Fraioli & New York Harbor School/9th grade– 28 students

Latitude N 40°42 Longitude W074°02

Location: Pier 40 North River

Area: large pier surrounding water access – 400 feet of waterfront

Surrounding Land Use: 100% former industrial usage converted to public access programs (education, boating, recreation)

Sampling Site: Pier, Bulkhead (wood timbers/metal plates, piping entering water – did not assess)

Plants in area: None

Water depth: 4 meters estimated depth

River Bottom – known to be muddy, relatively calm except for occasional large rolling wakes

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	Noon	66°F 19°C		
Wind Speed	Beaufort 2-3	4 mph	West wind	
Cloud Cover	Mostly cloudy			
Weather today	Dry			
Weather recently	Windy/Rain			
<i>Water surface</i>	choppy			
<i>Water Temperature</i>	Noon	64°F 18°C		
<i>Turbidity</i>	noon	60 cm 54 cm 67 cm		60.30 cm
<i>Chlorophyll</i>	1.2	Light greenish brown		
<i>Chemical</i>				
DO (ampules)	Noon	18 °C	6 mg/L	60% saturation
pH – Lamotte colormetric	12:00 PM	7.0 7.0 7.5		7.2
Nitrate				
Salinity (Hydrometer)	12:00 PM	18 ppt 18 ppt		18.3 ppt avg.

		18 ppt		
<i>Tides</i>	8:30 AM	Low		
	2:30 PM	High		
<i>Currents</i>	12:00 PM	1.8 kts,	North	Flood