

**Snapshot Day 10/14/10 Data
(Salt Front RM 36.0)**

RIVER MILE -1

Governor’s Island, Upper NY Bay/Buttermilk Channel

Roy Arezzo & Ann Fraioli, Tizoc Gomez - New York Harbor School

10th grade– 26 students

Latitude N 40°41’30.15”- Longitude W074°00’46.14”



Location: Pier 101, NE Governor’s Island – Upper NY Bay

Area: Pier along waterfront of the island

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

Sampling Site: Pier

Plants in area: None

Water depth: 18.4 ft.

River Bottom –

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|-----------------------------------|----------------------|------------------|------------------|-----------------|
| <i>Physical</i> | | | | |
| Air Temperature | 3:02 PM | 64°F 18°C | | |
| Wind Speed | Beaufort 1 | 2.4 mph | North wind | |
| Cloud Cover | Strata cumulus | | | |
| Weather today | Cool, breezy, cloudy | | | |
| Weather recently | Windy/Rain | | | |
| <i>Water surface</i> | choppy | | | |
| <i>Water Temperature</i> | 3:02 PM | 64°F 18°C | 64°F 18°C | 64°F 18°C |
| <i>Turbidity – turbidity tube</i> | 3:02PM | 102.1 cm | | |

| | | | | |
|-----------------------------|------------|--|----------|----------------|
| | | | | |
| <i>Chlorophyll</i> | 0.3-0.4 | | | |
| <i>Chemical</i> | | | | |
| DO (chemmet kit) | 3:02 PM | 18 °C | 7.3 mg/L | 75% saturation |
| pH – Lamotte colormetric | 3:02 PM | 7.2 | | |
| Nitrate | Vacuettes | 0 ppm | | |
| Ammonia | Chemetrics | Lower than lowest range of detection | | |
| Salinity (Hydrometer) | 3:02 PM | 13 ppt | | |
| <i>Tides</i> | High Tide | 2:23 PM | Low Tide | 8:00 AM |
| <i>Currents</i> | 3:02 PM. | 2 kts | North | Flood |