

**Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~RM 65)**

**RIVER MILE 30.4 – Hook Mountain State Park
Joanne Dickey– Strawtown Art & Garden Studio
Nicole Palitti & Lorraine Marden-Blue Rock School
5th - 8th – 40 students, total 6 adults
41°7'9" N Latitude - 74° 54' 46" W Longitude**

Location: Nyack Beach near Hook Mountain Sandy Beach right side of riverfront area

Area: Park/Boat launch, sandy beach area on the point with riprap

Surrounding Land Use: 5% urban/residential; 45% forested; 50% beach

Sampling Site: Sandy beach with retaining wall enclosing it and behind a lot of trees, picnic tables, sandy and rocky at edges, covered with vegetation beyond the beach, stone wall, riprap shore, concrete docking. Boat launch spits the site and steep bank behind picnic table area. Sandy beach is only available during lower to mid tide. Pipe enters river ~25 ft. south of sampling area

Plants in water: water celery 15%

Along the waterfront: brick, charcoal, slag

Water depth: 3 ft.

River Bottom –sandy, muddy

ONLINE SUBMITTAL ONLY

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|---|-----------------------------|----------------------|--|--------------------------|
| Physical | | | | |
| Air Temperature | | | | |
| Wind Speed | | | | |
| Cloud Cover | | | | |
| Weather today | | | | |
| Weather last 3 days | | | | |
| Water | | | | |
| Water Temperature | AM | 69°F | 20.5°C | |
| Turbidity – short site tube | | | | |
| Chemical | | | | |
| DO | AM | 20.5 C | 8 ppm | 90% Sat. |
| pH <i>Indicator solution</i> | | | | |
| Salinity- <i>Quantab Test strip</i> | AM | 5307 ppm Cl- | 9587 ppm TS | |
| Fish Catch | 15 ft. pull X 4 time | Number Caught | Species | Length of largest |
| Seine 30 ft. X 4ft. Mesh 0.25 inch | | 3 9 15 | Striped Bass Atlantic Silverside Bay Anchovy | |
| TOTALS | | DIV 3 | TOTALS 27 | |
| Tides | Time | Height | Rate of Change | Rising/Falling |
| Currents* | Time | CM/30 secs | Cm/Sec | Ebb/Flood/S |

| | | | | |
|--|--|--|--|-------------|
| | | | | till |
| <i>Shipping Traffic – all recreational</i> | | | | |
| <i>Other Items</i> | | | | |