

A Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 6 - Boat
Aboard the Clearwater, docking at 79th Street Boat Basin sampling in the Upper Harbor
Dave Conover, Hudson River Sloop Clearwater
AM - Collegiate School – 4th grade boys (~45) students
PM-United Nations International HS (~ 45) students

Location: Docking at 79th Street Boat Basin with sampling in the upper harbor

Area: Upper Harbor

Surrounding Land Use:

Sampling Site:

Plants in area:

Water depth: 1

River Bottom: Fishy!

Plants: No plants in sampling area – too deep

Two Sails during the day – One in the AM and one in the PM

| <i>ITEM</i> | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|---------------------------------------|---|--------------------------|----------------------|---------------------------|
| <i>Physical</i> | | | | |
| Air Temperature | | | | |
| Wind Speed | | | | |
| Cloud Cover | Cloudy AM | Cloudy with sprinkles PM | | |
| Weather yesterday | A little rainy yesterday and day before | | | |
| <i>Water</i> | | | | |
| <i>Water Temperature</i> | AM | 20 ° C | PM | 21° C |
| <i>Turbidity</i> | | | | |
| Long site tube | 35 cm AM | 64 cm PM | | |
| <i>Chlorophyll</i> | | | | |
| <i>Chemical</i> | | | | |
| DO (drop count kit) | AM | 6 mg/L | 20° C | 65% saturated |
| | PM | 7 mg/L | 21° C | 80 % |
| pH wide range indicator | AM | 8.0 | | |
| Salinity | <i>Time</i> | <i>Reading</i> | | |
| <i>Hydrometer</i> | AM | 10 ppt | PM | 10 ppt |
| <i>Trawl – unable to trawl</i> | <i>TIME</i> | <i>Species</i> | <i>Number</i> | <i>Max. Length</i> |
| <i>Currents</i> | 9:00 AM - Flood | 50 ft/55 secs | .91ft/sec | 0.54 knots |