

**Snapshot Day 10/7/08 Data**  
**(Salt Front RM 63.4)**  
**RIVER MILE 127 – Stuyvesant Landing**  
**Leanna O’Grady, Columbia County Soil & Water Conservation District**  
**The Alternative Learning Center (TALC) – 7-10 yrs. – 10 students**  
**Latitude 47 N Longitude 73W (topo map)**



**Location:** ¼ mile South of Stuyvesant Landing

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

**Surrounding Land Use:** 90% forested, 10% beach – used for picnics, swimming, campfires, sandy beach and dense woods behind

**Sampling Site:** Beach, covered with trees, dead trees on shoreline – water area is sandy with little mud further out – gently sloped beach, shallow quite a distance and then shipping channel

**Plants in area:** none

**Water depth:** 0-100 cm

**River Bottom** –sandy

| <i>ITEM</i>         | <i>Time</i> | <i>Reading 1</i> | <i>Reading 2</i> | <i>Comments</i> |
|---------------------|-------------|------------------|------------------|-----------------|
| <i>Physical</i>     |             |                  |                  |                 |
| Air Temperature     | 3:30 PM     | 70.8°F<br>21.6°C |                  |                 |
|                     | 3:45 PM     | 70°F<br>21.1°C   |                  |                 |
| Wind Speed          | Beaufort 6  |                  | NW               |                 |
| Cloud Cover         | clear       |                  | Water calm       |                 |
| Weather today       | Perfect!    |                  |                  |                 |
| Weather last 3 days | Some rain   |                  |                  |                 |
| <i>Water</i>        | 3:50 PM     | 65°F             |                  |                 |

|  |                      |                   |                     |                                |
|--|----------------------|-------------------|---------------------|--------------------------------|
| <i>Water Temperature</i>                   | 3:50 PM              | 65°F<br>18.35°C   |                     |                                |
|  | 4:00 PM              | 65°F<br>18.35°C   |                     |                                |
|  | 4:15 PM              | 64°F<br>17.79°C   |                     |                                |
| <i>Turbidity</i>                           | 3:45 PM              | 60 JTU X 3        |                     | 60 JTU average                 |
|  |                      |                   |                     |                                |
| <i>Chlorophyll</i>                         | 3:30 PM              | 1.5               |                     |                                |
|  |                      |                   |                     |                                |
| <i>Chemical</i>                            |                      |                   |                     |                                |
| DO<br><i>Drop count</i>                    | 4:45 PM              | 8.5 mg/L          | 18.35 ° C           | 92%                            |
| pH<br><i>pen</i>                           | 3:50 PM              | 8.0<br>8.2<br>8.5 |                     | Average 8.23                   |
|  |                      |                   |                     |                                |
| Salinity<br><i>Test strip</i>              | 3:50 PM              | < 31 mg/L         |                     |                                |
| <i>Fish Catch</i>                          | <i>Number Caught</i> | <i>Species</i>    |                     | <i>1 seine with fish catch</i> |
| <i>Seine 40 ft. X 4 ft. Mesh 0.25 inch</i> | 7                    | Banded Killifish  |                     | <b>19 fish total</b>           |
|  | 1                    | Pumpkinseed       |                     |                                |
|  | 3                    | Spottail shiner   |                     |                                |
|  | 6                    | Young of Year     |                     |                                |
|  | 2                    | White Perch       |                     |                                |
| <i>Tides</i>                               | 3:15 PM              |                   |                     |                                |
|  | 3:30 PM              |                   | falling             |                                |
|  | 3:45 PM              |                   | falling             |                                |
|  | 4:00 PM              |                   | rising              |                                |
|  | 4:30 PM              |                   | unchanged           |                                |
|  | 5:00 PM              |                   | rising              |                                |
|  |                      |                   |                     |                                |
| <i>Currents</i>                            | 3:30 PM              | south             | ebb                 |                                |
|  |                      |                   |                     |                                |
|  |                      |                   |                     |                                |
| <i>Other Items</i>                         |                      |                   |                     |                                |
| <i>Core Description</i>                    | <i>Total Length</i>  | <i>Top Layer</i>  | <i>Second Layer</i> | <i>Describe</i>                |
|  | 25 cm                | No distinct       |                     |                                |

|                               |                    |                         |                    |              |
|-------------------------------|--------------------|-------------------------|--------------------|--------------|
|                               | Abundant<br>– sand | some -<br>mud           | Some –<br>Clay     | Sulfur smell |
| <b>Commercial<br/>Traffic</b> | 3:20 PM            | Pleasure craft          | White              | Southbound   |
|                               | 3:22 PM            | Pleasure craft          | White & Blue       | Southbound   |
|                               | 3:42 PM            | Large Pleasure<br>craft | American<br>Spirit | Southbound   |
|                               | 4:12 PM            | Motorboat               | Blue & white       | Southbound   |
|                               | 4:45 PM            | Pleasure craft          | White              | Southbound   |
| <b>Other</b>                  |                    |                         |                    |              |