**Day in the Life of the Hudson River 10/16/14 Data**

**(Salt Front RM 65.9)**

**RIVER MILE 97**

**Sojourner Truth/Ulster Landing State Park, Town of Ulster, Ulster Co.**

**Latitude 42°N, Longitude 73°56’W**

**Deanna Rizzo, Duane Wolff Kingston High School APES 11-12th graders – 35 students, Dixon Onderdonk, retired teacher, 2 additional adults (5 total)**

**GPS 42°0’18” N - 73°56’38” W**

**Location:** Swimming beach, Sojourner Truth/Ulster Landing Park, Town of Ulster, Ulster County

**Area:** Forested,fishing pier, swimming beach, has a building with restrooms

**Surrounding Land Use:** Beach 50%; Forested area 50%; parkland with grass and picnic area

**Shoreline:** 80% sandy, 20% rocky

**Sampling Site:** beach, altered bank with concrete bulkhead, Rip rap, brick pieces in the area, slag in the area, drainage from bulkhead north of site immediately

**Plants in water area:** no plants

**Water depth**: N/R

**River Bottom**: sandy, muddy

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***ITEM*** | ***Time*** | ***Reading 1*** | ***Reading 2*** | ***Comments*** |
| ***Physical***  |   |  |  |  |
| Air Temperature | 9:22 AM | 8°C46 °F |  |  |
|  | 10:15 AM | 10°C50°F |  |  |
|  | 11:31 PM | 12°C54°F |  |  |
| Wind Speed | 9:22AM | 4 Beaufort  |  | S/SW |
| Cloud Cover | 9:38 AM | Mostly cloudy  | 51-75% |  |
| Weather today | N/R |
| Weather recently |  |
| ***Water Temperature*** | NR |  |  |  |
| ***Water Surface*** | choppy |  |  |  |
| ***Turbidity - meter*** | NR | 13.9 NTU13.713.1 |  | 13.6 NTU average |
| ***Chemical*** |  |  |  |  |
| DO – meter | N/R | 11.76 mg/L |  |  |
| pH -  | ***Time***  | ***Color Match Test*** | ***Meter Test***  | ***Average*** |
|  | 9:30 AM10:30 AM11:30 AM | 787.6 |  | 7.55 |
| Salinity –LR quantabs  | N/R | 36 ppm Cl-  | 65 ppm TS |  |
| ***Fish Catch****27.5’seine X 3.5 X/1/8 inch mesh* | ***Species*** | ***Number*** | ***Length of largest*** | ***Seine #*** |
| ***# 1*** | 4 | Spottail Shiner | 10 cm | ***Diversity 2*** |
|  | 1 | Herring | 10 cm | ***Total 5*** |
| ***# 2*** | 25 | Herring | NR | ***Diversity 1*** |
|  |  |  |  | ***Total 25*** |
| ***# 3*** | 27 | Herring | 6.5 cm | ***Diversity 4*** |
|  | 1 | Yellow Perch  | 7.5 cm | ***Total 31*** |
|  | 2 | Banded Killifish  | 5 cm |  |
|  | 1 | Mummichog | 3 cm |  |
| ***# 4*** | 20  | Herring | 3.5 cm | ***Diversity 1*** |
|  |  |  |  | ***Total 20*** |
| ***# 5*** | 9 | Herring  | N/R | ***Diversity 1*** |
|  |  |  |  | ***Total 9*** |
| ***# 6- sm net*** | 1 | Herring | 7 cm | ***Diversity 3*** |
|  | 1 | Striped Bass | 9 cm | ***Total 7*** |
|  | 1 | Spottail Shiner | 11 cm |  |
| ***Large net*** | 3 | Spottail Shiner | 11 cm |  |
|  | 1 | Herring  | 7 cm |  |
| ***# 7–sm net*** | 12 | Herring  | 15 cm | ***Diversity 3*** |
|  | 3 | Spottail Shiner | 10 cm | ***Total 25*** |
| ***Large net*** | 1 | Spottail Shiner | 9 cm |  |
|  | 8  | Herring | 7 cm |  |
|  | 1 | Striped Bass | 7 cm |  |
| ***#8***  | 1 | Herring  | 5 cm | ***Diversity 2*** |
|  | 1 | White Perch | 14 cm | ***Total 2*** |
| ***Grand Total***  | ***Diversity 7*** | ***Total Catch 124*** |  |  |
| ***Tides*** | ***Time*** | ***Depth*** | ***Rate*** | ***Falling/Rising*** |
|  | 9:30AM | 39 cm | Set  |  |
|  | 9:50 AM | 29 cm | 10 cm/20 min | Falling |
|  | 10:20 AM | 20 cm | 9 cm/30 min | Falling |
| ***Currents***  | ***Time*** | ***Cm/Sec*** | ***Cm/Sec*** | ***N/S******E/F/Still***  |
| \* N/R 2015 |  |  |  |  |
| ***Traffic - Commercial*** |  |  |  |  |
| ***Time***  | ***Name*** | ***Color*** | ***N/S***  | ***Loaded/Light*** |
| 10:04 AM | B260 | Red/Black | South | Loaded |
| 10:45 AM | N/R | White | South | Light |
| 10:40 AM | N/R | White | North  | Light |
| ***Recreational*** |  |  |  |  |
| 11:30 AM | N/R  | White | South | Light |
| ***Other Items*** | Devil’s heads, black walnut, seaweed, duckweed, bricks, birds, fish |
| ***Core*** | ***Length*** | ***Rare***  | ***Common***  | ***Abundant*** |
| ***9:42 AM – water 1 ft. deep*** | H2S smellOxidized top | GravelShellsMusselsZebra musselCoalLiving vegetation  | ClayLeavesWoodBrickslag | MudSand  |