**Day in the Life of Hudson River 2016**

**October 20, 2016 Standardized Salinity**

**\*Salt Front (100ppm Cl-) ~ RM 83**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **RM** | **SITE** | **TIME** | **CHLORIDE ppm** | **TOTAL SALINITY ppm** | **METHOD** |
| Mhk RM 53 | Schoharie Creek\* \**Pouring rain event* | NR | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 *rain=road salt?* |
| RM 154 | Peebles Island | NR | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 153 | Green Island Park | 10:47 AM | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 |
| RM 145.5 | Corning Preserve | 10:15 AM | 46 Cl-ppm | **83 ppm** | LR Quantab 1.8 d |
| RM 140 | Papscanee Preserve | 10:00 AM | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 |
| RM 138 | Henry Hudson Park, Selkirk | 12:58 PM | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 |
| RM 133.4 | Schodack Island | 10:50 AM | 46 Cl-ppm | **83 ppm** | LR Quantab 1.8 |
| RM 124.5 | Nutten Hook | 12:30 PM | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 |
| RM 123 | Coxsackie Riverfront Park | 11:27 AM | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 117.5 | Hudson Waterfront Park | 9:15 AM | 46 Cl-ppm | **83 ppm** | LR Quantab 1.8 |
| RM 117 | Athens Waterfront Park | 10:53 AM | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 115 | Cohotate Preserve | 12:45 PM | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 108.5 | Lasher Memorial Park, Germantown | 11:30 AM | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 102 | Saugerties Lighthouse | 12:25 PM | 40 Cl ppm | **72 ppm** | LR Quantab 1.6 |
| RM 100.5 | Falling Waters Glasco | 11:00 AM | 34 Cl ppm | **61 ppm** | LR Quantab 1.4 |
| RM 98 | Tivoli Bay South, Annandale | 11:30 AM | 127 Cl- ppm | **229 ppm** | LR Quantab 3.6 |
| RM 97 | Sojourner Truth, Ulster Landing Park, Saugerties | 10:43 AM | 46 Cl-ppm | **83 ppm** | LR Quantab 1.8 |
| RM 92 | Kingston – mid channel – Clearwater Sail surface & depth | 10:49 AM  11:11 AM | 40 Cl- ppm S  86 Cl-ppm D | **72 ppm (S)**  **155 ppm (D)** | LR Quantab Surface (S)- 1.6  Depth (30 ft) 2.8 |
| RM 87 | Esopus Meadows Ulster Park | 10:46 AM | \*46 Cl-ppm | **83 ppm** | LR Quantab 1.8 X two samples |
| RM 78 | Quiet Cove, Poughkeepsie | 11:30 AM | \*178 Cl- ppm | **322 ppm** | LR Quantab 4.4 |
| 76.4 | Highland Landing Park | NT recorded | 68 Cl- ppm | **123 ppm** | LR Quantab 2.4 |
| RM 76 | Waryas Park, Poughkeepsie | 10:45 AM | 178 Cl- ppm | **322 ppm** | LR Quantab 4.4 |
| RM 75.5 | Waryas Park, Poughkeepsie | 10:15 AM | 127 Cl- ppm | **229 ppm** | LR Quantab 3.6 |
| RM 65 | Chelsea Boat Launch, Newburgh | 10:29 AM | 1004 Cl- ppm | **1814 ppm** | HR Quantab 4.8 |
| RM 61.2 | Beacon Riverfront Park | 12:15 PM | 1281 CL- ppm | **2314 ppm** | HR Quantab 5.4 |
| 60.2 | Newburgh Yacht Club | 1:30 PM | 852 Cl- ppm | **1539 ppm** | HR Quantab 4.4 |
| RM 61 | Long Dock Park, Beacon | 12:00 PM | 1089 CL- ppm | **1967 ppm** | HR Quantab 5.0 |
| RM 60 | Dennings Point, Beacon | NR | 1389 CL- ppm | **2509 ppm** | HR Quantab 5.6 |
| RM 58 | Kowawese Unique Area, New Windsor | 11:35 AM | 1506 Cl- ppm | **2721 ppm** | HR Quantab 5.8 |
| RM 57 | Cornwall Landing | 12:25 PM | 1389 CL- ppm | **2509 ppm** | HR Quantab 5.6 |
| RM 55 | Little Stony Point, Cold Spring | 11:30 AM | 1506 Cl- ppm | **2721 ppm** | HR Quantab 5.8 |
| RM 51.5 | Garrison Landing | 10:44 AM | 2287 CL- ppm | **4132 ppm** | HR Quantab 6.8 |
| RM 43.5 | Riverfront Green, Peekskill | 10:45 AM | 3296 Cl- ppm | **5954 ppm** | HR Quantab 7.6 |
| RM 41 | Steamboat Dock, Verplanck | 11:40 AM | 4034 Cl-ppm | **7288 ppm** | HR Quantab 8.0 |
| RM 40 | George’s Island | 12:35 PM | 4034 Cl-ppm | **7288 ppm** | HR Quantab 8.0 |
| RM 39 | Stony Point Park | 11:22 AM 12:40 PM | 4034 Cl-ppm 3639 Cl- ppm | **7288 ppm**  **6574 ppm** | HR Quantab 8.0 AM – 7.8 PM |
| RM 38 | Haverstraw Bay County Park | 10:35 AM | 4034 Cl-ppm | **7288 ppm** | HR Quantab 8.0 |
| RM 37 | Bowline Point Park | 9:37 AM | 4034 Cl-ppm | **7288 ppm** | HR Quantab 8.0 |
| RM 35 | Croton Point Park | 9:39 AM | 4494 Cl- ppm | **8119 ppm** | HR Quantab 8.2 |
| RM 32.5 | Louis Engel Park, Ossining | 10:43 AM | 5037 Cl-ppm | **9100 ppm** | HR Quantab 8.4 |
| RM 30.5 | Hook Mountain Upper Beach | 10:44 AM | 4494 Cl- ppm | **8119 ppm** | HR Quantab 8.2 |
| RM 30.5 | Hook Mountain State Park Steps | 1:00 PM | 5037 Cl-ppm | **9100 ppm** | HR Quantab 8.4 |
| RM 30.4 | Lower Nyack Beach at Hook Mountain, Nyack | 11:17 AM | 5037 Cl-ppm | **9100 ppm** | HR Quantab 8.4 |
| RM 28 | Memorial Park, Nyack | 9:24 AM | 456 Cl- ppm | **824 ppm** | HR Quantab 3.0 \*close to creek? |
| RM 25.4 | Piermont Pier, Piermont | 11:30 PM |  | **13000 ppm** | Refractometer |
| RM 25 | Matthiessen Park, Irvington | 12:26 PM |  | **14000 ppm** | Refractometer |
| RM 23 | Dobbs Ferry Waterfront | 1:45 PM |  | **16000 ppm** | Refractometer |
| RM 22 | Kinally Cove, Hastings | 812:20 PM |  | **15000 ppm** | Refractometer |
| RM 19.5 | JFK Marina | 11:05 AM |  | **15000 ppm** | Refractometer |
| RM 19 | Alpine Boat Basin | 11:50 AM |  | **16000 ppm** | Refractometer |
| RM 18.3 | Habirshaw Park, Yonkers | 10:00 AM |  | **15000 ppm** | Refractometer |
| RM 14 | Inwood Hill Park, NYC | NR |  | **18000 ppm** | Refractometer |
| RM 14 | Inwood Hill Park, NYC | 9:20 AM |  | **17000 ppm** | Refractometer |
| RM 13 | Swindler Cover | 1:45 PM |  | **19000 ppm** | Refractometer |
| RM 11.5 | Fort Washington Park, NYC | 12:07 PM |  | **20000 ppm** | Refractometer |
| RM 6.8 | Pier i | 1:13 PM |  | **24000 ppm** | Refractometer |
| RM 4.1 | Pier 86, HRP, NYC | 11:15 AM |  | **22000 ppm** | Refractometer |
| RM 4 E | Pier 84, HRP NYC | 12:00 PM |  | **21000 ppm** | Refractometer |
| RM 4 E | Pier 84, HRP NYC | 10:00 AM |  | **20000 ppm** | Refractometer |
| RM 4.7 | Pier 64 | 9:47 PM |  | **23000 ppm** | Refractometer |
| RM 4.3 | Pier 63 | 12:15 ppm |  | **22000 ppm** | Refractometer |
| RM 3.2 | Pier 45, Hudson River Park Trust, NYC | 11:40 AM |  | **20000 ppm** | Refractometer |
| RM 2.9 | Pier 40, Hudson River Park Trust, NYC | 11:03 AM |  | **24000 ppm** | Refractometer |
| NYH -2 | Valentino Pier, Red Hook, NYC | 4:15 PM |  | **29000 ppm** | Refractometer |
| NYH -2 | Valentino Pier, Red Hook, NYC | 9:40AM |  | **27000 ppm** | Refractometer |
| NYH -5 | Bay Ridge Veteran Memorial Pier | 12:50 PM |  | **29000 ppm** | Refractometer |
| NYH -9.1 | Steeplechase Pier, Coney Island | 12:55 PM |  | **34000 ppm** | Refractometer |
| **East RM 11.5** | Barreto Park, East River | 111:43 AM |  | **28000 ppm** | Refractometer |
| **East RM 8.7** | Hallets Point | 9:50 AM |  | **28000 ppm** | Refractometer |
| **East RM 5.7** | Gantry Plaza | 12:44 PM |  | **27000 ppm** | Refractometer |
| **East RM 5.6** | Hunters Point | 12:15 pm |  | **25000 ppm** | Refractometer |
| **East RM 2.3** | Brooklyn Bridge Park, NYC | 11:29 AM 2:10 PM |  | **28000 ppm 29000 ppm** | Refractometer |
| **East RM 2.3** | Fulton Ferry Landing, Brooklyn, NYC | 9:20 AM |  | **27000 ppm** | Refractometer |
| **East RM 1.7** | South Street Seaport, NYC | 10:30 AM |  | **27000 ppm** | Refractometer |
| **East RM 1.7** | South Street Seaport, NYC | 3:00 PM |  | **28000 ppm** | Refractometer |
| **BRX RM 1.5** | Concrete Plant Park | 13:09 PM |  | **23000 ppm** | Refractometer |
| **HRL RM 1** | Wards Island | 11:30 AM 11:30 AM |  | **27000 ppm 28000 ppm** | Refractometer |