

Day in the Life of the Hudson Harbor 10/22/19  
Student Salinity

Day in the Life of the Hudson River and Harbor: Student Salinity						
October 22nd, 2019			Quantabs measure Chloride. To convert Cl- to Total Salinity in ppm = Cl- * 1.80655			
RM	NAME	Time 24 HR Clock	Total Salinity ppm	Salinity ppm Cl-	Notes for Salinity	Method (Hydrometer, Refractometer, Chloride Tabs, Meter, High Range or Low Range Quantabs)
HSC 28.7	Hoosick	NR				Above tide
MHK 53	Schoharie Creek	NR				Above tide
MHK 15	Niskayuna- Lock 7	NR				Above tide
200	Schuylerville- Lock 5	13:00	58	32		Low Range Quantabs
154	Peebles Island- Cohoes HS	NR				Above tide
152	Hudson Shore Park Watervleit-North Colonie	9:35	58	32		Low Range Quantabs
146	Rensselaer Boat Launch	10:00	0			Refractometer
145.5	Corning Preserve, Albany	11:52	Below Detection			Low Range Quantabs
140	Papscanee Preserve, Rensselaer County	10:45	Below Detection			Low Range Quantabs
138	Henry Hudson Park, Bethlehem	12:00	40	22		Low Range Quantabs?
133.4	Schodack Island	10:30	58	32	1.4 quantab number	Low Range Quantab
132.5	Hannacroix Creek Preserve	NR				
124.5	Nutten Hook				Conductivity: 430 microsiemen	
123	Coxsackie Riverfront Park	10:05	Below Detection			Low range Quantabs
117	Henry Hudson Riverfront Park, Hudson- Chatham HS	10:45	52	29		Low Range Quantabs
117	Henry Hudson Riverfront Park, Hudson- Montgomery ES	NR				
108.5	Lasher Park, Germantown	NR				
100.5	Falling Waters Preserve, Saugerties	NR				
98	Tivoli South Bay	NR				
97	Ulster Landing Park- Mill Road ES		Below Detection			Low Range Quantab
97	Ulster Landing Park- Kingston HS		Below Detection			Low Range Quantab
92	Kingston Point Park- Robert Graves ES	12:32	72	40		Low Range Quantab
92	Kingston Point Park- Kingston YMCA	16:00	0			Hydrometer
90.5	George Freer Memorial Park, Port Ewen	NR				
87	Esopus Meadow, Ulster Park	10:22	Below Detection			Refractometer
84.5	Norrie Point, Staatsburg- Millbrook HS	14:17	Below Detection			Hydrometer
84.5	Norrie Point, Staatsburg- Poughkeepsie HS	10:45	Below Detection			Hydrometer
78	Quiet Cove Park, Poughkeepsie	12:45	58	32		Low Range Quantab
65	Chelsea Boat Launch	10:45	Below Detection			Low Range Quantab
61.2	Seeger Riverfront Park, Beacon	9:58	101	56		Low Range Quantab
61	Long Dock, Beacon	11:50	61	34		Low Range Quantab

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60.5	Newburgh Waterfront- People's Waterfront and Boat Launch	12:01	49	27		Low Range Quantab
60.1	Beacon Dock (Clearwater)	14:45	Below Detection		1.3 Quantab Unit	Low Range Quantab
60	Dennings Point, Beacon	NR				
58.1	Plum Point, New Windsor	11:00	Below Detection			Low Range Quantabs
57	Cornwall Landing	10:50	81	45		Low Range Quantabs
52	South Dock, West Point	11:30	160			Meter
51.5	Garrison Landing	11:59	58	32		Low Range Quantab
43.5	Riverfront Green, Peekskill	9:00	515	285		Low Range Quantabs
41	Steamboat Dock, Verplanck	11:36	1900			Meter
38	Haverstraw Bay County Park	10:32	1874	1038		High Range Quantab
35	Croton Point Park, Croton- Croton Harmon High School	12:30	2850			Meter
35	Croton Point Park, Croton (Mother's Lap)- Fox Meadow ES	12:00	Below Detection		Hydrometer doesn't work in this section of the river	Hydrometer
32.5	Louis Engel Park, Ossining	10:30	5000			Hydrometer
30.4	Upper Nyack State Park, Lower Beach	10:45	2719	1505		HR Quantab
28.5	Kingsland Point Park, Tarrytown	10:24	3974	2200	6000 Refractometer	HR Quantab
28	Memorial Park, Nyack- Nyack ES	12:17	6000			Hydrometer
28	Memorial Park, Nyack- Nyack HS	11:00	2162			Meter
25.4	Piermont Pier, Piermont	12:06	5000			Refractometer
25	Matthiessen Park, Irvington	12:05	6000			Hydrometer
23	Riverfront Park, Dobbs Ferry	9:30	7000			Hydrometer
22	MachEachron Waterfront Park- Kinally Cove, Hastings	13:30	7400		6700 Hydrometer	Refractometer
19	Alpine Boat Basin, Alpine NJ- Alpine School	NR				
19	Alpine Boat Basin, Englewood NJ- Pascack Hills HS	10:00	11670			Refractometer
18.3	Sarah Lawrence College CURB: Beczak, Yonkers	10:55	7900		10000 with hydrometer	Meter
13	Englewood Boat Basin, Englewood NJ- Paterson MS	10:30	6000			Hydrometer
12.75	Inwood Hill Park, Manhattan	11:00	8000			Hydrometer
11.5	Fort Washington Park, Manhattan	11:00	14000			Refractometer
10	125th Street Pier, Manhattan- Columbia Secondary School (Diana Lennon)	12:50	12667			Hydrometer
10	125th Street Pier, Manhattan- HS of Language and Innovation (Baylander)	11:50	9000			Hydrometer
6.8	Pier I, 59th Street, Manhattan	11:30	11000		Bottom: 17000	Hydrometer
6.1	Pier 96, Manhattan	NR				
5.6	Hudson River Park Pier 84	13:00	14333			Hydrometer
4.4	Pier 62 Chelsea, Manhattan	11:27	17333			Hydrometer
3.2	Hudson River Park Pier 45- NYC Lab HS (Price)	13:30	15750			Refractometer (average)

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3.2	Hudson River Park Pier 45- Morton MS(Shino)	13:04	13100			Hydrometer
2.9	Hudson River Park Pier 40	11:35	13000			Hydrometer
0.5	Morris Canal Basin, New Jersey	9:18	20000			Hydrometer
HRM 1	Randall's & Ward's Island	12:00	16000			Hydrometer
ER 15.2	Little Bay, Fort Totten Park	NR				
ER13.7	Francis Lewis Park	12:06	26000		photos/almost in LIS	Hydrometer
ER 5.7	Pier 1 Gantry State Park, Long Island City	10:00	20636		Refractometer : ~22000	Hydrometer
ER 5.6	Pier 4 Gantry State Park, Long Island City	12:00	22000			Hydrometer
ER 1.7	Brooklyn Bridge Park East, Brooklyn (Brooklyn Friends)	10:00	15700			Meter
ER 1.7	Brooklyn Bridge Park East, Brooklyn (Sunset Park HS)	11:02	22000		Hydrometer 24500 ppm	Refractometer
ER 1.7	Brooklyn Bridge Park East, Brooklyn (BBPC +MS915)	12:30	18900		20000 ppm via Hydrometer	Meter
ER 2.3	Brooklyn Bridge Park West, Manhattan (Waterfront Alliance)	11:01	20333			Hydrometer
ER 2.3	Brooklyn Bridge West, Manhattan (LESEC)	12:12	26000			Refractometer
ER 2.3	Brooklyn Bridge West, Manhattan (Leman Manhattan Prep- Livingston)	13:00	20000			Hydrometer
Brx 4.5	Concrete Plant Park, Bronx- Pelham Prep (Zach)	12:00	5000		6000ppm hydrometer	Refractometer
Brx 4.5	Concrete Plant Park, Bronx- Bronx Center for Science and Math (Pat)	NR				
Brx 4.0	Hunt's Point Riverside Park, Bronx	12:30	7333			Hydrometer
-1	Governor's Island Harbor	11:00	19000			Hydrometer
-2.3	Valentino Pier, Brooklyn	11:00	21000			Hydrometer
-4.1	Austen House, Staten Island	12:03	15000			Hydrometer
-4.5	Pier 1 Lighthouse Museum, Staten Island	11:04	18667			Hydrometer
-5.3	Canarsie Pier- Pathways to Graduation (Vattamala)	NR				
-5.3	Canarsie Pier- International HS of Lafayette	12:09	25800			Hydrometer
-7	Fort Wadsworth, Staten Island	11:30	23000		30000 Refractometer	Hydrometer
-8	Gerritsen Creek, Brooklyn	12:11	29000			Hydrometer
-8.6	Kaiser Park, Brooklyn	NR				
-9.1	Steeplechase Pier, Coney Island Pier	11:25	23500			Hydrometer
-11.2	Great Kills Park, Staten Island	10:51	32000			Refractometer