

Day in the Life of the Hudson Harbor 10/16/18

Student Salinity

Day in the Life of the Hudson River and Harbor 10/16/18: Student Salinity						
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)
200	Schuylerville- Lock 5	11:00			Below Detection	Low Range Quantabs
153	Green Island	15:30			Below Detection	Low Range Quantab
152	Hudson Shore Park Watervleit	10:15	58	32		Low Range Quantabs
146	Rensselaer Boat Launch	10:00			Below Detection	Low Range Quantabs
145.5	Corning Preserve, Albany	10:00	500			Hydrometer
144.5	Rensselaer Riverfront Park	10:30			Below Detection	Low Range Quantabs
138	Henry Hudson Park, Bethlehem	10:30	51	28		Low Range Quantabs
133.4	Schodack Island	10:01	56	31		Low Range Quantabs
124.5	Nutten Hook	10:30	56	31.2		Low Range Quantabs
123	Coxsackie Riverfront Park	10:30			377 ppm Cl- * seems too high unless road salt	Low Range Quantabs
117.5	Athens Riverfront Park, Athens	13:30	191	106		Low Range Quantabs
117	Henry Hudson Riverfront Park, Hudson	11:25	61	34		Low Range Quantabs

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115	Cohotate Preserve, Athens	9:30	78	43	Range between 38-48 ppm Cl-	Low Range Quantabs
108.5	Lasher Park, Germantown	10:30	56	31		Low Range Quantabs
102	Saugerties Lighthouse	10:50	108	60		Low Range Quantabs
100.5	Falling Waters Preserve, Saugerties	8:30			Below Detection	Low Range Quantabs
98	Tivoli South Bay	12:50	54	30		Low Range Quantabs
92	Kingston Point Park	11:20	101	56		Low Range Quantab
84.5	Norrie Point, Staatsburg				Below Detection	Low Range Quantabs
78	Quiet Cove Park, Poughkeepsie	10:55			Below Detection	Low Range Quantabs
76.5	Marist College, Poughkeepsie	17:15	100		Below detection for LR Quantabs	Meter
76	Waryas Park- Fallkill Creek, Poughkeepsie		70	39		Low Range Quantabs
If read as Cl- to convert to Total Salinity ppm = Cl- * 1.80655						
61.2	Seeger Riverfront Park, Beacon	9:35	99	55	Low Range Quantabs (road salt?)	
61	Long Dock, Beacon	10:50	58	32		Low Range Quantabs
60.5	Newburgh Waterfront- People's Waterfront and Boat Launch	10:50		<28	Below Detection	Low Range Quantabs
60	Dennings Point, Beacon	10:15			Cannot Report	Low Range Quantabs
58.1	Plum Point, New Windsor	10:20	56	31		

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57	Cornwall Landing	12:30			480 ppm Cl- yet noted really low. Expected error	Low Range Quantabs
52	South Dock, West Point	10:01	125			HRECOS
51.5	Garrison Landing	11:45	182	101		Low Range Quantabs
43.5	Riverfront Green, Peekskill	10:00	211	117		Low Range Quantab
41	Steamboat Dock, Verplanck	9:53	100			Meter
40	George's Island County Park	10:32			Below Detection	Hydrometer
39	Stony Point Marina, Stony Point	9:30			Below Detection	High Range Quantabs
38	Haverstraw Bay County Park	10:42	51	<28	Below Detection	Low Range Quantabs
35	Croton Point Park, Croton	11:45			Unrealistic reading	Low Range Quantabs
32.5	Louis Engel Park, Ossining	1:00	63	35		Low Range Quantabs
30.5	Upper Nyack State Park, Beach Steps	10:30			Below Detection	Refractometer, Hydrometer, High Range Quantab Strips
30.4	Upper Nyack State Park, Lower Beach	10:45			Below Detection	High Range Quantabs
28	Memorial Park, Nyack- Nyack ES	11:10	250			Meter
28	Memorial Park, Nyack- Nyack HS	9:15	260			Meter
25.4	Piermont Pier, Piermont	10:36	167	92.5		Low Range Quantabs
25	Matthiessen Park, Irvington	10:30	5000			Hydrometer
23	Riverfront Park, Dobbs Ferry		2000			Refractometer

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22	MachEachron Waterfront Park-Kinally Cove, Hastings	9:30	2100			Refractometer
19	Alpine Boat Basin, Alpine NJ-Alpine School	10:35	5000			Hydrometer
18.3	Sarah Lawrence College CURB: Beczak, Yonkers	13:10	950			Meter
13	Englewood Boat Basin, Englewood NJ- Paterson MS	10:45	6333			Hydrometer
13	Englewood Boat Basin, Englewood NJ-Pascack Hills HS	11:00	4000			Refractometer
11.5	Fort Washington Park, Manhattan	10:20	4000		6600 with Hydrometer	Refractometer
10	125th Street Pier, Manhattan-Columbia Secondary School (Diana Lennon)	13:30	6000	3321.2		Hydrometer
7.3	79th Street Boat Basin	14:30	1000			Refractometer
6.8	Pier I, 59th Street, Manhattan	10:30	5800			Glass Hydrometer
5.6	Hudson River Park Pier 84	10:30	6000			Hydrometer
3.2	Hudson River Park Pier 45-NYC Lab HS (Price)	14:03	6000			Refractometer
3.2	Hudson River Park Pier 45-PS3 (Shino)	10:54	7750			Hydrometer
3.2	Hudson River Park Pier 45-Ellis Prep and Chelsea HS	10:30	7500			Hydrometer

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2.9	Hudson River Park Pier 40	10:30	5300			Hydrometer
0.5	Morris Canal Basin, New Jersey	10:30	10000			Hydrometer
Hrm 14	Inwood Hill Park, Manhattan	13:03	6000			Hydrometer
HRM 1	Randall's & Ward's Island	10:49	16667			Hydrometer
ER 15.2	Little Bay, Fort Totten Park	10:10	22000			Hydrometer
ER 13.5	Ferry Point Park- West Bronx Academy for the Future	11:51	15300			Hydrometer
ER 13.5	Ferry Point Park-Renaissance HS	12:39	24000			Hydrometer
ER 5.7	Gantry State Park, Long Island City	10:00	17000			Hydrometer
ER 5.6	Hunter's Point, Queens	11:00	20000			Hydrometer
ER 4.9	Solar One, Manhattan	10:40	16000			Hydrometer
ER 1.7	Brooklyn Bridge Park East, Brooklyn (Villa)	13:00	8300			Meter
ER 1.9	South Street Seaport, Manhattan	13:35	15333			Hydrometer
ER 2.3	Brooklyn Bridge West, Manhattan (LESEC)	10:20	19000			Hydrometer
Brx 4.5	Concrete Plant Park, Bronx-Pelham Prep	10:30	13000			Hydrometer
Brx 4.5	Concrete Plant Park, BCSM	10:00	6800			Hydrometer
Brx 4.0	Hunt's Point Riverside Park, Bronx	10:30	10667			Hydrometer
-1	Governor's Island Harbor	10:00	20600			Hydrometer
-2.3	Valentino Pier, Brooklyn	10:00	10000			Hydrometer

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-3.7	Bush Terminal Piers Park, Brooklyn	10:30	15000			Hydrometer
-4.5	Pier 1 Lighthouse Museum, Staten Island	10:48	13000			Hydrometer
-4.7	Veterans' Memorial Pier, Brooklyn	10:49	16000			Hydrometer
-7.1	Dubos Point Wildlife Sanctuary, Rockaways	10:30	25000			Hydrometer
-7.5	Fort Wadsworth, Staten Island	12:02	18000			Hydrometer
-8.5	Kaiser Park, Brooklyn	13:40	20000			Hydrometer
-9.1	Steeplechase Pier, Coney Island Pier	11:10	25000			Hydrometer