

Day in the Life of the Hudson River
October 20, 2016 Chemistry

Sample Date	RM	NAME	Time 24 hr clock	DO ppm	Water Temp °C	% Saturation	pH	Nitrates ppm	Phosphates ppm	Alkalinity ppm	Comment
10/20/15	Mohawk	Schoharie	9:00	10.4	9	90	6.5				
10/20/15	RM 154 PI	Peebles Island	10:40		11		7.1				unable to test DO
10/20/15	RM 153 GI	Green Island	10:23	16	10	140	6	0	0		
10/20/15	RM 152	Watervleit	10:40	17	14	160	7.4				DO must be error, too high
10/20/15	RM 145	Albany Boat Basin, Corning Preserve	13:00	8	13	75	7.7				
10/20/15	RM 144(AM)	Rensselear	12:30	8.6	12.25	97.3	6.91	0.7	0.9	47.6	water temp measured with student built thermometers
10/20/15	RM 138	Bethlehem	10:30	7	10	60		7.3			
10/20/15	RM 133	Schodack	10:35	11.5	11	105	7	0.02			
10/20/15	RM 124	Nutten Hook	15:30		12.5		8.2				
10/20/15	RM 123	Coxsackie	10:45	10	10						Air bubble in each DO sample
10/20/15	RM 120	Four Mile	10:25	12	10	105	6				
10/20/15	RM 118	Hudson	10:35	9.6	13.3	91	7				
10/20/15	RM 115	Athens	10:32	9.7	11.4	89	7.3	1	0.1		
10/20/15	RM 112	Dutchman's Ldg	12:15	11	11	100					
10/20/15	RM 108	Germantown	11:00	11	16		7.75				
10/20/15	RM 102	Saugerties LH	10:33	6	10		7.4				
10/20/15	RM 100	Falling H2O	10:47	9	12.2	80	8				
10/20/15	RM 98	Tivoli Bay	10:30	10	8	90	8				
10/20/15	RM 97ES	Ulster Land.	10:00		12						
10/20/15	RM 97HS	Ulster Land.	10:15	11.76			8				
10/20/15	RM 92 Nobels	Kingston	13:30		11						
10/20/15	RM 91 RV	Port Ewen	10:47	8	15	80	6				
10/20/15	RM 87	Esopus Mead	10:27	12	15	100	7.5				
10/20/15	RM 84.5	Norrie Point	10:19	8	14	80	7.3				
10/20/15	RM 78	Quiet Cove	10:16	4	12		8	5	2		

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10/20/15	RM 76 E (ES)	Wayras Park	11:03		16		7.2				
10/20/15	RM 76 E (HS)	Wayras Park	10:41		17		7.5				Unable to collect DO expired chemicals
10/20/15	RM 76 W	Highland Landing	9:00								pH recorded at N for neutral to slightly basic
10/20/15	RM 61.1	Riverfront Beacon	9:25	10	15.6	100	8.81	20			
10/20/15	RM 61E L.D.	Long Dock Beacon	10:05	8	15	80	7.4				
10/20/15	RM 61W Newb.	Newburgh	13:00	10.11	17	108	6.2	0	0.6		
10/20/15	RM 60	Dennings Pt.	10:30	8			6				
10/20/15	RM 58 South	Kowawese PP	9:52	8	14	75	6				
10/20/15	RM 58 North	Kowawese PP	10:07	6	14	58	6.7				
10/20/15	RM 57	Cornwall	10:46		12		7				
10/20/15	RM 55	Little Stony Point	9:50	9	15.6	90	6.5				
10/20/15	RM 53	Garrison Ldg.	10:11	7	17.6	72.5	7				
10/20/15	RM 47	Popolopen Crk.	9:10		12		6.8				
10/20/15	Rm 45	Constitution marsh	13:00		14.44	6					
10/20/15	RM 43	Peekskill	10:30	7	18	73	7.2				
10/20/15	RM 41	Verplanck	11:30	8	18.5	85	8				
10/20/15	RM 39.5	George's Is	10:40	11	20	100	8				DO oversaturated
10/20/15	RM 36	Stony Pt. Marina	10:19	12	17	100	7.3				
10/20/15	RM 35 E MS	Senasqua	10:00	8	11		6				
10/20/15	RM 35W	Bowline	9:45	8	10	70					
10/20/15	RM 32	Ossining	13:15	4	16	40	7	5	2		
10/20/15	RM 31 MS	Hook Mtn.	9:24	8	13.5	70	7.5				
10/20/15	RM 31 (college)	Hook Mtn.	12:30	8	16		7.9	0.3	0		
10/20/15	RM 31	Nyack Beach	11:30	7	16	75	7.25				
10/20/15	RM 28 HS	Nyack Mem. HS	9:15	7.5	11.8		7.8	8	1		
10/20/15	RM 25 E MS	Irvington	9:30	8	10	70	7				
10/20/15	RM 25 E HS	Irvington	9:24	6	11		7.7	0	1		
10/20/15	RM 25W	Piermont	9:10	14	5.2	110	7.8	0.44	0.2	59	
10/20/15	RM 23.5	Dobbs Ferry	10:30	5.9	17	45	6.35				
10/20/15	RM 23	Hastings	9:30	8	13	75	6.8	1	2		
10/20/15	RM 18 Bec	Beczak	12:23	8.5	18	85	8				

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10/20/15	Rm 17	St. Vincent	12:05	7.8	14.5	75	10				
10/20/15	HrIRM 14 ES	Inwood	10:43	3	17		6.25				
10/20/15	RM 13	Englewood Beach	12:00	7.2	19	80	8	0.25			
10/20/15	HrIRM 13b	Sherman Cove	11:30	9	16.5	92	7.29				used low resolution LaMotte greenforce kit for DO
10/20/15	RM 11.5	Fort Wash.	9:58	10	11	90	7				
10/20/15	HrIRM 10	Ward's Island	11:00	7	17	70	6	0	0		
10/20/15	RM 9 (HS)	Pier 125	8:31	15	13	140	7	0.5	0.61	141	
10/20/15	RM 9 (ES)	Pier 125	10:00	4	15	42	7				
10/20/15	BrxRM 8	BrxRM 8	10:30	8	13	75	5				
10/20/15	RM 5	Pier i	10:08	8	15	78					
10/20/15	ERM 4.5(MS)	Hunters	10:10	7	15	65	6				
10/20/15	ERM 4.5 (HS)	Hunters	14:00	6	14	75	5.5				
10/20/15	ERM 4.5	Gantry	11:30	4	18	40	6.5				
10/20/15	RM 4	Pier 84 -	10:30	8	14	78	7				
10/20/15	RM 3.5	Pier 66	15:00	8	52		6				
10/20/15	RM 3.2E	Pier 51	9:57	5	15	47	8.2	1.2			
10/20/15	RM 2.5	Pier 45 - Waller.	11:22	6	13	55	7.5				
10/20/15	RM 2.5	Pier 45- PS3	10:40		13		7				
10/20/15	RM 2	Pier 40	10:55	8	15	80	8				
10/20/15	ERM 1E	BBC (Dumbo)	8:45	14.2	15.1		7.01				
10/20/15	ERM 1W	LESEC	11:00		16.68		6				
10/20/15	ERM 0 (ES)	SSS	10:30	6.5							
10/20/15	RM-1	Buttermilk Chan	1:30	8	17	80	7.5				
10/20/15	RM-2	Valentino Pier	9:30		15		7				
10/20/15	RM -4	Bush Terminal	4:20	9	19	95	8				
10/20/15	RM -4.2 (ES)	Bay Ridge	11:21	7	18	72	7.95				
10/20/15	RM -4.2 (HS)	Bay Ridge	2:18	8	16	80	8				
10/20/15	RM -6	Coney Island	11:15	9.46	14.6	90	7				
10/20/15	RM -7 S	Staten Island	10:56	8	13.6	75	7				