

# Mamanasco Lake, Ridgefield

## Water Data 2016

Water data was collected for Mamanasco Lake in 2016  
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**Table 1.** Dissolved oxygen and temperature.

Month	May			June			July			August			September		
Location	W1	W2	W3	W1	W2	W3	W1	W2	W3	W1	W2	W3	W1	W2	W3
Secchi (m)	2.0	2.3	2.0	2.0	2.3	2.1	1.9	1.9	1.9	1.2	1.2	1.2	2.3	2.1	2.4
Dissolved Oxygen (mg/L) 0.5 m	10.3	10.4	10.7	10.1	10.7	10.3	10.7	7.6	8.5	8.2	7.4	7.6	8.6	8.5	8.8
Temperature (°C) 0.5 m	18.2	18.4	18.4	24.5	24.6	24.6	27.9	27.9	27.9	26.0	26.3	26.2	22.2	22.2	22.5
Dissolved Oxygen (mg/L) 1 m	10.0	9.9	10.5	10.3	11.1	10.3	9.4	7.9	7.8	7.6	6.8	7.6	8.9	8.4	8.7
Temperature (°C) 1 m	18.1	18.4	18.2	24.3	24.2	24.2	27.7	27.8	27.8	26.0	26.2	26.0	22.1	22.1	22.3
Dissolved Oxygen (mg/L) 2 m	10.4	10.3	13.7	9.4	11.6	11.1	6.6	0.1	0.2	8.0	6.6	0.3	0.0	0.0	0.0
Temperature (°C) 2 m	17.6	17.4	17.5	24.0	24.0	24.0	27.5	27.4	27.5	25.7	26.0	25.7	21.9	21.9	22.1

**Table 2.** Water chemistry

Date	Location	Latitude	Longitude	Depth (m)	Conductivity (µs/cm)	pH	Alkalinity CaCO <sub>3</sub> (mg/L)	Phosphorus (ppb)
5/24/2016	1	41.31983	-73.52753	0.5	242	8.9	70	23
		41°19'11.4"N	73°31'39.1"W	2.0	242	8.7	68	34
	2	41.32219	-73.53072	0.5	238	8.9	67	40
		41°19'19.9"N	73°31'50.6"W	2.0	246	8.8	67	60
	3	41.31892	-73.52536	0.5	242	9.2	65	24
		41°19'8.1"N	73°31'31.3"W	2.0	243	9	62	24
Inlet	41.31499	-73.52390	0.5	248	7.4	75	17	
Outlet	41.31939	-73.52422	0.5	241	9.3	60	23	
6/22/2016	1	41.31986	-73.52750	0.5	260	8.6	86	27
		41°19'11.5"N	73°31'39.0"W	2.0	263	9	85	40
	2	41.32217	-73.53069	0.5	266	9.3	89	22
		41°19'19.8"N	73°31'50.5"W	2.0	269	9.4	77	46
	3	41.31893	-73.52537	0.5	269	8.8	80	16
		41°19'8.1"N	73°31'31.3"W	2.0	268	9.3	86	32
Inlet	41.31497	-73.52389	0.5	256	7.5	82	40	
Outlet	41.31940	-73.52419	0.0	269	9.5	83	68	
7/29/2016	1	41.31993	-73.52766	0.5	240	9.1	65	44
		41°19'11.7"N	73°31'39.6"W	2.0	255	7.7	65	123
	2	41.32220	-73.53068	0.5	253	8.8	66	10
		41°19'19.9"N	73°31'50.4"W	2.0	247	6.9	71	120
	3	41.31850	-73.52509	0.5	252	8.8	65	48
		41°19'6.6"N	73°31'30.3"W	2.0	249	7.5	65	48
Inlet	41.31941	-73.52423	0.5	206	6.8	59	44	
Outlet	41.31503	-73.52391	0.0	248	8.9	62	34	
8/29/2016	1	41.31980	-73.52784	0.5	273	8.3	81	21
		41°19'11.3"N	73°31'40.2"W	2.0	270	8.1	80	79
	2	41.32221	-73.53064	0.5	272	8.3	80	18
		41°19'20.0"N	73°31'50.3"W	2.0	269	8.4	80	33
	3	41.31852	-73.52492	0.5	269	8.5	79	24
		41°19'6.7"N	73°31'29.7"W	2.0	267	8.6	77	19
Inlet	41.31938	-73.52423	0.5	244	6	81	45	
Outlet	41.31499	-73.52390	0.0	270	8.5	77	17	
9/21/2016	1	41.31986	-73.52737	0.5	281	8.3	87	16
		41°19'11.5"N	73°31'38.5"W	2.0	276	8.4	85	14
	2	41.32212	-73.53068	0.5	279	8.5	91	20
		41°19'19.6"N	73°31'50.4"W	2.0	278	8.5	86	12
	3	41.31894	-73.52534	0.5	278	8.5	90	18
		41°19'8.2"N	73°31'31.2"W	2.0	276	8.5	86	17
Inlet	41.31939	-73.52425	0.5	346	6.7	139	22	
Outlet	41.31501	-73.52387	0.0	276	8.6	90	14	