

AMBIENT LAKE MONITORING NETWORK

Lake Name: Watchung Lake

County: SOMERSET

SiteID: NJW04459-245

Municipality: WATCHUNG BORO

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.4	1	1.1	22.98	8.78	102.8	8.34	0.458
1	2.4	2	1.1	15.96	6.75	68.4	7.29	0.44
outlet	0.2	0.1		25.23	5.99	72.9	7.98	0.452

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.3	1	0.8	27.38	9.7	120.7	8.57	0.355
1	2.3	2	0.8	25.92	7.99	91.4	7.89	0.378
outlet	1	0.1		28.54	5.04	64.6	8.22	0.355

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.7	1	1.8	16.48	7.21	73.6	7.31	0.302
1	2.7	2	1.8	16.07	5.45	56.4	7.24	0.317
outlet	0.1	0.1		16.37	7.55	77.3	7.48	0.314

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded.

-A blank parameter result means the parameter could not be measured due to a meter malfunction.

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Lake Name: Watchung Lake

County: SOMERSET

SiteID: NJW04459-245

Municipality: WATCHUNG BORO

Lake Profile Raw Data

Season: Spring

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (ppm)	<i>Hard</i> (ppm)	<i>Turbidity</i> (NTU)
1	0.007	0.468	0.291	0.017	17.5	66	144.2	3.22
outlet	0.03	0.494	0.333	0.050	11.7	68	145.9	2.98

Season: Summer

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (ppm)	<i>Hard</i> (ppm)	<i>Turbidity</i> (NTU)
1	0.068	0.979	0.006	0.017	49.8	68	128.9	9.51
outlet	0.057	0.654	0.069	0.033	24.5	71	128.9	5.57

Season: Fall

<i>Station</i>	<i>Tot Phos</i> (mg/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (ppm)	<i>Hard</i> (ppm)	<i>Turbidity</i> (NTU)
1	0.054	0.478	0.554	0.204	10.6	64	110.7	4.98
outlet	0.05	0.405	0.736	0.089	5.9	61	116.4	4.19

Sample Device - Horizontal Polycarbonate Sampler

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.