

AMBIENT LAKE MONITORING NETWORK

Lake Name: Greenwood Lake

County: PASSAIC

SiteID: NJW04459-049

Municipality: WEST MILFORD TWP

Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	7	1	2.6	21.6	9.35	106.7	8.55	0.206
1	7	2	2.6	20.12	9.52	105.4	8.44	0.206
1	7	3	2.6	18.23	9.33	99.5	8.17	0.207
1	7	4	2.6	17.47	8.29	87.2	7.85	0.207
1	7	5	2.6	15.16	6	59.8	7.49	0.207
1	7	6	2.6	14.16	5.01	49.1	7.22	0.208
2	2.7	1	2.6	21.38	8.93	101.5	9.5	0.221
2	2.7	2	2.6	15.13	1.58	15.8	7.56	0.234
3	1.8	1	1.7	21.13	5.64	63.4	7.68	0.197
outlet	0.3	0.1		22.92	7.1	83.1	9.21	0.219

Season: Summer

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	7.2	1	1.6	22.23	6.87	79.2	7.52	0.183
1	7.2	2	1.6	22.22	6.86	79	7.47	0.183
1	7.2	3	1.6	22.18	6.84	78.8	7.44	0.183
1	7.2	4	1.6	22.14	6.83	78.5	7.42	0.183
1	7.2	5	1.6	22.1	6.75	77.6	7.41	0.183
1	7.2	6	1.6	22	6.75	77.4	7.39	0.183
1	7.2	7	1.6	21.99	0.67	7.7	6.96	0.205
2	2.8	1	0.9	21.13	6.64	74.9	7.3	0.181
2	2.8	2	0.9	21.14	6.48	73.1	7.28	0.181
3	2	1	0.9	20.12	7.52	83.2	7.46	0.176
3	2	2	0.9	21.14	6.48	73.1	7.28	0.181
outlet	0.7	0.7		20.87	7.47	83.8	7.55	0.183

Season: Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	7.2	1	1.8	11.89	8.18	77.3	7.51	0.167
1	7.2	2	1.8	11.67	7.73	72.6	7.29	0.166
1	7.2	3	1.8	11.53	7.96	74.6	7.23	0.166
1	7.2	4	1.8	11.48	8	75	7.21	0.166
1	7.2	5	1.8	11.46	8.04	75.2	7.2	0.166
1	7.2	6	1.8	10.38	8.63	78.8	7.25	0.166
2	2.5	1	1.7	8.98	8.86	78.2	7.28	0.157
2	2.5	2	1.7	8.85	8.61	75.9	7.2	0.156
3	1.7	1	0.9	8.43	9.12	79.4	7.22	0.14
outlet	0.7	0.4		8.71	9.51	83.4	7.2	0.153

-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 Profile Raw Data

Season: Spring

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.037	0.452	0.006	0.009	8.3	31	44.961	1.66
2	0.008	0.284	0.006	0.009	1.9	28	46.449	0.83
3	0.016	0.404	0.008	0.017	11	31	49.427	2.96
outlet	0.042	0.363	0.012	0.028	1.9	26	47.819	1.09

Season: Summer

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.02	0.491	0.006	0.019	23.8	29	45.293	3.63
2	0.038	0.667	0.033	0.070	29.7	29	45.582	7.27
3	0.067	0.793	0.083	0.055	37.2	30	43.000	8.69
outlet	0.051	0.649	0.051	0.085	30.7	29	41.756	7.85

Season: Fall

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	ND	0.425	0.041	0.173	12.3	31	44.627	2.06
2	0.011	0.357	0.048	0.043	10.6	30	42.459	3.21
3	0.032	0.382	0.074	0.026	17.1	30	44.570	7.24
outlet	0.024	0.352	0.046	0.032	13.5	34	43.458	4.02

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.