

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Keswick Lake

County: OCEAN

SiteID: NJW04459-042

Municipality: MANCHESTER 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	1.9	1	1.9	17.86	6.71	72.1	5.82	0.098
outlet	0.1	0.1		20.3	7.52	71.6	6.11	0.101

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	1.7	1	1.7	25	8.33	99.2	5.88	0.091
outlet	0.1	0.1		25.27	6.57	78.7	5.97	0.094

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	1.7	1	1.7	11.4	8.88	79.5	5.65	0.083
outlet	0.1	0.1		12.63	9.43	86.8	5.8	0.085

-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	ND	0.423	0.138	0.026	2.6	3	12.533	1.77
outlet	0.016	0.307	0.144	0.033	2.6	4	12.674	2.23

### 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	0.04	.463	.0079	.010	4.4	5	13.404	1.49
outlet	0.017	0.496	.0507	.041	5.6	5	13.821	2.93

### 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	0.280	0.153	0.019	2.1	4	12.083	0.8
outlet	0.021	0.315	0.133	0.024	1.6	4	12.249	0.93

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.