

AMBIENT LAKE MONITORING NETWORK

Lake Name: Birchwood Lake

County: BURLINGTON

SiteID: NJW04459-132

Municipality: MEDFORD 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	2.1	1	1.6	12.29	9.54	88.2	6.32	0.141
1	2.1	2	1.6	11.05	8.44	75.9	6.35	0.16
2	1.7	1	1.6	12.28	9.41	87	6.49	0.142

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	2	1	1.7	24.27	6.51	76.8	6.11	0.199
2	1.5	1	1.5	24.57	6.25	74	6.48	0.205

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	2.0	1	2.0	23.06	5.3	61	6.53	0.174
2	1.5	1	1.5	22.52	5.7	65	6.57	0.214

-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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Birchwood Lake

County: BURLINGTON

SiteID: NJW04459-132

Municipality: MEDFORD TWP

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	0.012	0.301	0.382	0.044	4.96	10.000	20.293	3.33
2	0.014	0.255	0.361	0.056	2.76	7.000	20.858	3.24

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	0.032	0.494	0.104	0.038	9.59	10.000	25.960	2.51
2	0.035	0.417	0.118	0.028	9.35	5.000	26.547	2.28

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	0.016	0.516	0.050	0.117	10.48	12.000	25.242	2.54
2	0.017	0.575	0.083	0.129	9.87	18.000	31.177	2.31

Sample Device - Horizontal Polycarbonate Sampler

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

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