

AMBIENT LAKE MONITORING NETWORK

Lake Name: Long Lake
SiteID: NJW04459-020

County: Burlington
Municipality: Pemberton Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/14/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.247	0.621	0.012	0.0163	3.95	1	3.6	9.64
2	0.138	0.681	0.012	0.0248	4.02	1	4.95	7.97
3	0.199	0.511	0.0083	0.0191	3.8	1	3.85	9.33

Season: Summer

Date sampled: 7/7/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.601	3.21	0.012	0.071	97.42	1	6.52	39.9
2	0.604	1.64	0.012	0.043	20.43	1	6.11	30.1
3	0.611	3	0.012	0.062	164.63	2	6.43	35.4

Season: Fall

Date sampled: 9/16/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.492	1.56	0.012	0.092	45.02	1	8.52	18.1
2	0.536	1.44	0.012	0.101	42.62	1	8.3	19.2
3	0.55	1.32	0.012	0.117	19.99	1	8.01	18.1

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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Long Lake

County: Burlington

SiteID: NJW04459-020

Municipality: Pemberton Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/14/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.4	0.7	0.5	11.16	5.4	48.1	4.17	0.035
2	1.5	1	0.5	11.94	3.67	33.3	4.19	0.054
3	2.0	1	0.5	12.47	5	45.9	4.35	0.039

Season: Summer

Date sampled: 7/7/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.6	0.6	0.2	24.97	0.12	1.5	4.64	0.057
2	1.1	0.5	0.2	25.44	0.78	9.5	4.37	0.053
3	1.7	1	0.2	22.88	0.14	1.6	4.61	0.053

Season: Fall

Date sampled: 9/16/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.8	0.4	0.4	19.84	5.03	55	4.42	0.069
2	0.7	0.4	0.4	19.1	4.49	48.4	4.49	0.066
3	1.4	0.7	0.4	19.6	4.99	54.3	4.45	0.066

-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.