

AMBIENT LAKE MONITORING NETWORK

Lake Name: Long Lake

County: BURLINGTON

SiteID: NJW04459-020

Municipality: PEMBERTON TWP

Surface to Bottom Profile

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	1.4	0.9	0.3	24.06	0.11	1.4	4.46	0.051
2	1.4	0.9	0.3	24.37	0.17	2	4.07	0.059
3	1.9	0.9	0.2	23.92	0.06	0.8	4.04	0.057
outlet	1.1	1.1		26.5	5.36	66.5	4.35	0.046

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	1.0	0.6	0.3	21.32	5.57	63	4.55	0.055
2	0.8	0.5	0.3	22.48	5.63	63.4	4.55	0.055
3	1.6	0.9	0.3	23.09	4.95	58.5	4.6	0.055
outlet	0.5	0.3		23.08	4.68	54.2	4.53	0.055

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

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

AMBIENT LAKE MONITORING NETWORK

Lake Name: Long Lake
SiteID: NJW04459-020

County: BURLINGTON
Municipality: PEMBERTON TWP

Lake Profile Raw Data

Season: Summer

<i>Station</i>	<i>Tot Phos</i> <i>(ug/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	< 38.41	1.19	0.023	0.035	70.7	1	4.8	25.2
2	< 38.41	1.81	0.022	0.104	7.8	1	4.54	9.26
3	< 38.41	1.28	0.017	0.046	37.3	1	4.63	14.1
outlet	152.19	1.23	0.018	0.034	42.0	1	4.83	15.1

Season: Fall

<i>Station</i>	<i>Tot Phos</i> <i>(ug/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	243.42	0.994	<0.006	0.029	65.4	<1	5.92	18.8
2	227.22	0.807	0.007	0.019	19.9	<1	5.9	17.3
3	237.66	0.969	<0.006	0.023	59.4	<1	5.99	18.3
outlet	259.09	1.03	<0.006	0.021	86.0	<1	5.98	18.7

Sample Device - Horizontal Polycarbonate Sampler

"<" 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.