

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Mt. Misery Lake

County: BURLINGTON

SiteID: NJW04459-058

Municipality: PEMBERTON 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	1.5	1	1.5	6.97	8.53	69.6	5.03	0.041
2	1.3	1	1.3	7.11	8.39	68.6	5.54	0.04
outlet	0.5	0.5		7.52	9.51	78.6	5.99	0.039

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	0.9	15.84	6.06	62.3	4.37	0.036
2	1.4	1	0.9	15.63	5.71	58.4	4.28	0.035
outlet	0.1	0.1		16.11	7.67	79.2	4.27	0.035

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	1.6	1	1.5	17.17	5.78	60.1	4.02	0.059
2	1.3	1	1.3	17.3	6.01	62.8	3.93	0.059
outlet	1.2	1.2		17.21	7.51	78.1	4.23	0.058

-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	0.165	0.023	0.014	0.5	1	3.163	0.58
2	ND	0.269	0.023	0.012	0.6	1	3.138	0.76
outlet	ND	0.342	0.019	0.012	0.6	1	3.198	0.65

### 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	0.008	0.373	0.024	0.039	1.4	1	2.720	1.89
2	0.011	0.437	0.022	0.043	1.8	1	2.684	1.5
outlet	0.012	0.347	0.024	0.037	1.7	2	2.807	1.6

### 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	.298	.0185	.021	0.7	1.0	3.333	0.97
2	0.038	.276	.0172	.019	0.6	1.0	3.303	0.89
outlet	ND	.312	.0172	.020	0.7	1.0	3.278	1.32

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.