

AMBIENT LAKE MONITORING NETWORK

Lake Name: Osborn Pond

County: SOMERSET

SiteID: NJW04459-127

Municipality: BERNARDS 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	0.5	1	11.86	9.56	90	7.39	0.232
outlet	0.6	0.6		12.38	10.38	98.8	7.35	0.273

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	0.8	0.5	0.8	19.73	0.24	2.6	6.37	0.285
outlet	0.2	0.2		19.75	5.2	56.5	6.7	0.286

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	0.5	0.9	5.75	8.61	69.6	6.94	0.285
outlet	0.4	0.4		5.7	9.37	75.7	6.98	0.285

-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	0.031	0.288	0.652	0.026	3.61	51.000	74.428	3.39
outlet	0.059	0.333	0.586	0.048	4.15	55.000	79.980	3.12

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	0.172	1.590	0.013	0.038	18.4	56.000	93.919	3.55
outlet	0.065	0.281	0.012	0.022	7.18	52.000	94.581	2.52

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	0.062	0.524	0.360	0.023	9.7	19.000	70.542	7.52
outlet	0.062	0.451	0.373	0.021	7.79	50.000	70.454	9.18

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.