

AMBIENT LAKE MONITORING NETWORK

Lake Name: Magnolia Lake

County: CAPE MAY

SiteID: NJW04459-228

Municipality: DENNIS 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	1.0	0.9	1.0	26.25	6.45	80	5.98	0.117
2	1.3	0.9	1.3	28.4	6.58	84.8	6.39	0.107
outlet	0.9	0.6		28.89	6.46	84.3	6.95	1.419

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	0.8	0.5	0.8	24.33	7.05	83.7	6.05	0.115
2	0.9	0.8	0.9	25.35	6.26	75.8	6.29	0.108
outlet	0.9	0.5		23.92	4.32	52.6	6.39	8.9

-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.

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Lake Profile Raw Data

Season: Summer

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	< 38.41	0.49	0.364	0.049	13.5	14	33.1	2.13
2	< 38.41	0.409	0.082	0.053	16.2	14	23.6	1.98
outlet	< 38.41	0.449	0.072	0.065	9.6	15	43.8	1.81

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	128.24	0.495	0.583	0.064	4.3	13	25.9	1.83
2	<10.37	0.5	0.085	0.066	9.6	12	22.5	1.22
outlet	50.02	0.827	0.086	0.235	10.2	34	401.1	6.12

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.