

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Magnolia Lake

County: Cape May

SiteID: NJW04459-228

Municipality: Dennis Twp

## Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 3/17/2010

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	0.018	0.496	1.01	0.0764	4.26	5	19.9	4.78
2	0.026	0.518	0.657	0.101	5.65	8	17.2	10.7

Season: Summer

Date sampled: 6/8/2010

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	0.042	0.555	0.646	0.0503	23.41	20	25.8	1.82
2	0.052	0.693	0.196	0.00857	29.08	15	24.9	4.25

Season: Fall

Date sampled: 9/2/2010

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	0.036	1.1	0.159	0.0581	34.46	ND	25.8	5.14
2	ND	0.532	0.376	0.0508	19.34	ND	25.2	1.38

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: Magnolia Lake

County: Cape May

SiteID: NJW04459-228

Municipality: Dennis Twp

## Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 3/17/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.3	0.6	1.3	9.97	8.57	75.5	5.65	0.089
2	1.5	1	0.8	9.7	7.82	68.5	5.85	0.088

Season: Summer

Date sampled: 6/8/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.2	0.6	1.2	20.95	4.9	54.7	5.45	0.109
2	1.4	0.7	1.4	22.51	8.39	96.6	5.76	0.1

Season: Fall

Date sampled: 9/2/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.9	0.5	0.9	25.14	5.35	64.8	5.88	0.118
2	1.3	1	P	24.93	7.32	88.4	6.13	0.111

-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.