

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Peddie Lake

County: Mercer

SiteID: NJW04459-024

Municipality: Hightstown Boro

## Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/20/2010

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	0.05	0.53	1.87	0.0187	19.06	41	52.2	6.97
2	0.045	0.567	2.01	0.0179	23.77	26	51.2	6.78

Season: Summer

Date sampled: 7/20/2010

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	0.061	0.62	0.455	0.0173	52.83	15	49.4	4.64
2	0.062	0.59	0.729	0.0152	40.95	12	51.9	4.89

Season: Fall

Date sampled: 9/21/2010

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	0.072	0.685	0.587	0.0638	33.62	2	55.1	8.93
2	0.121	0.653	0.781	0.0576	28.27	24	56.1	5.57

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: Peddie Lake

County: Mercer

SiteID: NJW04459-024

Municipality: Hightstown Boro

## Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/20/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.7	1	1.3	13.93	12.99	125.6	6.87	0.217
1	2.7	2	1.3	13.51	11.86	113.6	6.86	0.228
2	2.3	1	1.4	13.89	12.23	118.2	6.33	0.208
2	2.3	2	1.4	13	10.68	101.1	6.42	0.209

Season: Summer

Date sampled: 7/20/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.8	1	1.2	26.61	10.35	129	6.65	0.204
1	2.8	2	1.2	24.61	0.61	7.5	6.44	0.212
2	2.3	1	1.6	27.57	5.37	68.1	6.12	0.219
2	2.3	2	1.6	24.57	0.23	2.8	6.02	0.205

Season: Fall

Date sampled: 9/21/2010

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	1	2.5	19.91	6.31	67.9	6.53	0.301
1	0.9	2	2.5	19.85	6.14	66.1	6.61	0.302
2	1.4	1	2.2	20.09	5.48	59.6	6.74	0.294
2	1.4	2	2.2	19.92	3.99	42.9	6.78	0.296

-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.