

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Peddie Lake

County: MERCER

SiteID: NJW04459-024

Municipality: HIGHTSTOWN BORO

## 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	2.5	0.9	0.7	25.13	3.23	39.1	6.2	0.191
1	2.5	1.8	0.7	22.03	0.24	2.7	6.01	0.19
2	2.7	0.9	0.7	24.91	4.7	56.8	6.37	0.233
2	2.7	1.8	0.7	21.36	0.3	3.4	6.04	0.208
outlet	0.5	0.3		28.6	7.05	92	7.72	0.19

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	2.5	0.9	0.9	24.45	7.45	88.1	6.94	0.25
1	2.5	1.8	0.9	23.91	7.1	83	6.88	0.249
2	2.5	0.9	1.1	23.92	8.12	95.1	7.04	0.245
2	2.5	1.8	1.1	23.64	7.74	90.2	7.03	0.245
outlet	0.6	0.3		24.23	7.45	87.7	6.97	0.253

-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	62.17	0.564	0.661	0.034	55.3	22	41	14
2	85.7	0.519	0.602	0.019	62.6	22	41.3	14
outlet	85.43	0.864	0.565	0.032	111.9	24	41.4	14.6

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	76.89	0.761	0.404	0.096	37.8	36	55.8	7.66
2	56.57	0.545	0.476	0.041	33.7	34	56.2	6.67
outlet	90.9	0.833	0.379	0.165	52.7	34	57.4	7.68

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.