

AMBIENT LAKE MONITORING NETWORK

Lake Name: Pancoast Mill Pond

County: ATLANTIC

SiteID: NJW04459-150

Municipality: BUENA VISTA TWP

Surface to Bottom Profile

Season: *Spring*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	0.9	0.5	0.7	8.39	10.19	86.2	6.21	0.154
2	1.1	0.5	1.1	9.4	10.84	94.2	6.43	0.126
outlet	0.2	0.2		9.4	10.15	88.2	6.41	0.127

Season: *Summer*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	0.9	0.5	0.9	20.44	5.03	55.8	5.95	0.158
2	1.1	0.5	1.1	25.2	5.24	63.8	6.22	0.133
outlet	0.4	0.4		25.69	5.87	72.1	6.38	0.132

Season: *Fall*

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	0.8	0.4	0.8	23.24	6.32	73.3	6.16	0.155
2	1.1	0.5	1.1	25.16	5.6	67.4	6.56	0.155
outlet	0.2	0.2		26.63	6.58	81.3	6.65	0.157

-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	0.029	0.353	2.460	0.008	3.34	5.000	29.694	1.93
2	0.027	0.359	1.690	0.010	8.49	8.000	24.959	1.95
outlet	0.032	0.453	1.800	0.025	12.64	12.000	26.075	2.60

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	0.042	0.463	1.100	0.074	3.26	15.000	26.890	1.71
2	0.082	0.770	0.468	0.153	10.84	20.000	23.580	1.81
outlet	0.06	0.783	0.393	0.166	14.72	35.000	23.505	1.69

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	0.069	0.630	0.514	0.143	4.98	18.000	26.707	3.87
2	0.038	0.525	0.261	0.102	5.36	15.000	23.785	1.81
outlet	0.03	0.473	0.121	0.066	5.67	24.000	23.103	1.12

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.