

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Cooper River Lake

County: CAMDEN

SiteID: NJW04459-047

Municipality: COLLINGSWOOD BORO

## Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	0.6	0.3	0.35	16.55	8.5	87	6.99	0.323
2	1.7	1	0.6	17.41	10.95	114.1	8.42	0.32
3	1.9	1	0.6	17.55	10.08	105.3	8.29	0.301
outlet	4.1	1		17.66	10.4	108.9	8.48	0.298

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	0.6	0.3	0.4	28.99	2.65	34.3	6.69	0.281
2	1.6	1	0.4	30.28	6.75	89	7.58	0.238
3	1.9	1	0.5	29.33	7.01	91.1	7.69	0.219
outlet	4.1	1		29.18	5.8	75.2	7.25	0.219

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	0.5	0.3	0.3	18.44	5.46	57.5	6.83	0.263
2	1.7	1	0.6	19.94	7.69	83.4	7.4	0.245
3	1.8	1	0.6	20.23	7.72	84.2	7.55	0.233
outlet	4	1		20.43	7.76	84.9	7.56	0.229

-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	0.217	0.625	0.316	0.075	48.6	31	78.671	29.2
2	0.077	0.969	0.006	0.024	72.7	34	69.430	9.55
3	0.084	0.855	0.006	0.043	68	32	60.102	10.4
outlet	0.085	0.871	0.006	0.024	76	38	59.688	12.5

### 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	0.229	1.120	0.233	0.362	24.2	37	73.992	22.8
2	0.105	0.881	0.015	0.015	63.4	35	64.128	15.8
3	0.113	0.899	0.011	0.015	77.7	31	60.481	15.1
outlet	0.11	0.919	0.023	0.024	71.9	32	60.066	14.5

### 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	0.331	1.160	0.516	0.182	75.2	38	81.168	35
2	0.092	0.651	0.268	0.024	54.4	41	76.401	9.51
3	0.079	0.618	0.167	0.021	50.9	38	71.510	8.27
outlet	0.063	0.641	0.176	0.032	52.2	37	72.133	8.75

Sample Device - Horizontal Polycarbonate Sampler

"ND" 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.