

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Cains Mill Lake

County: GLOUCESTER

SiteID: NJW04459-170

Municipality: MONROE TWP

## 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	1.8	1	1.8	10.33	7.57	67.1	5.43	0.053
2	0.8	0.4		11.82	8.5	78	5.68	0.055
3	1.1	0.5	1.1	11.88	8.47	77.8	5.62	0.055

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	1.6	1	1.6	23.13	4.93	58.2	5.89	0.05
2	1.5	1	1.5	22.62	4.36	51	5.84	0.05
3	1.2	0.6	1.2	24.1	4.86	58.4	5.9	0.05

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	1.7	1	1.7	19.87	5.44	59.5	5	0.052
2	1.6	1	1.4	19.99	5.2	57	5.01	0.051
3	1.2	0.6	1.2	20.33	5.37	59.1	5.03	0.051

-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	0.014	0.331	0.289	0.0123	3.26	12	12.3	1.98
2	0.015	0.397	0.278	0.0107	3.78	3	12.3	2.19
3	0.014	0.333	0.292	0.0160	3.16	1	12.6	2.00

### 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	0.014	0.477	0.0953	0.0199	1.94	7	11.8	2.08
2	0.013	0.606	0.0881	0.0314	2.17	6	11.7	2.39
3	ND	0.583	0.0731	0.0248	2.6	12	11.6	2.17

### 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	0.012	0.332	0.0638	0.0325	3.49	14	10.3	1.16
2	0.019	0.287	0.0535	0.0283	4.17	6.0	10.4	1.13
3	0.015	0.333	0.0417	0.0311	5.01	5.0	10.4	1.14

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.