

AMBIENT LAKE MONITORING NETWORK

Lake Name: Brainerd Lake
SiteID: NJW04459-033

County: MIDDLESEX
Municipality: CRANBURY TWP

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	1.5	0.9	0.3	24.75	0.14	1.7	6.65	0.163
2	1.7	0.9	0.3	24.84	4.08	48.9	6.07	0.152
outlet	0.6	0.6		25.26	4.79	58.1	5.98	0.137

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	1.2	0.9	0.6	24.68	5.67	69.1	6.33	0.236
2	1.7	0.9	0.7	25.96	8.01	100	6.69	0.224
outlet	0.6	0.3		25.78	5.97	74.2	6.42	0.225

-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

<i>Station</i>	<i>Tot Phos</i> (ug/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (ppm)	<i>Hard</i> (ppm)	<i>Turbidity</i> (NTU)
1	102.02	0.916	0.588	0.173	11.9	15	30.3	42
2	78.71	0.929	0.526	0.078	13.7	16	28	36.2
outlet	89.83	0.966	0.475	0.122	18.6	16	25.3	36.7

Season: Fall

<i>Station</i>	<i>Tot Phos</i> (ug/L)	<i>TKN</i> (mg/L)	<i>Nitrite-Nitrate</i> (mg/L)	<i>Ammonia-N</i> (mg/L)	<i>Chl a</i> (ug/L)	<i>Alk</i> (ppm)	<i>Hard</i> (ppm)	<i>Turbidity</i> (NTU)
1	43.74	0.743	0.6	0.102	27.2	25	51.2	9.84
2	40.74	0.811	0.661	0.114	36.6	23	50.9	9.79
outlet	33.24	0.865	0.587	0.207	42.3	25	50.7	7.66

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.