

AMBIENT LAKE MONITORING NETWORK

Lake Name: Brainerd Lake

County: Middlesex

SiteID: NJW04459-033

Municipality: Cranbury Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/20/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.04	0.506	1.52	0.0359	16.38	12	52.6	7.17
2	0.043	0.64	1.29	0.01	24.92	9	49.7	8.44

Season: Summer

Date sampled: 7/15/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.108	0.876	0.568	0.114	9.32	7	26.6	17.5
2	0.109	0.841	0.572	0.117	9.11	3	25	17.7

Season: Fall

Date sampled: 9/20/2010

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (mg/L)	Hard (mg/L)	Turbidity (NTU)
1	0.033	0.729	0.628	0.0198	15	20	50.6	3.07
2	0.042	0.475	0.812	0.0308	38.42	25	62.7	7.44

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.

AMBIENT LAKE MONITORING NETWORK

Lake Name: Brainerd Lake

County: Middlesex

SiteID: NJW04459-033

Municipality: Cranbury Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 4/20/2010

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	1	1.3	11.34	10.44	95.4	5.86	0.233
2	1.8	1	0.8	13.62	11.61	111.6	6.28	0.228

Season: Summer

Date sampled: 7/15/2010

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	0.6	23.2	4.52	52.9	5.46	0.123
2	2.2	1	0.6	23.5	4.2	49.5	5.63	0.121
2	2.2	2	0.6	23.46	4.06	47.8	5.6	0.122

Season: Fall

Date sampled: 9/20/2010

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	1.2	18.71	4.26	45.3	5.97	0.217
2	1.9	1	1.2	20.42	6.97	77.1	6.36	0.25

-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.