

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Sunset Lake

County: Somerset

SiteID: NJW04459-040

Municipality: Bridgewater Twp

## Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/4/2010

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	0.07	0.707	0.267	0.05	9.82	69	93.1	25.3
1A	0.08	0.802	0.171	0.243	8.28	50	109	11.3
2	0.093	0.859	0.156	0.05	33.25	44	80.1	26.8
2A	0.072	0.952	0.169	0.202	11.23	47	111	13.1

Season: Summer

Date sampled: 7/28/2010

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	0.03	0.409	0.012	0.01	21	62	116	4.11
1A	0.072	2.26	0.0137	1.18	85.62	85	131	12.5
2	0.029	0.383	0.00635	0.01	17.12	90	116	3.51

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: Sunset Lake

County: Somerset

SiteID: NJW04459-040

Municipality: Bridgewater Twp

## Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/4/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3.5	1	0.4	16.88	6.66	69.6	7.05	0.335
1	3.5	2	0.4	11.85	4.91	46	7.09	0.376
1A	3.5	3	0.4	10.13	0.65	5.9	7.04	0.388
2	2.3	1	0.4	17.93	6.17	65.9	6.59	0.305
2A	2.3	2	0.4	12.02	1.81	17	6.69	0.384

Season: Summer

Date sampled: 7/28/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	3.3	1	1.4	27.41	7.54	95.5	7.53	0.347
1	3.3	2	1.4	26.51	2.59	32.3	7.36	0.354
1A	3.3	3	1.4	17.88	0.17	1.8	6.88	0.585
2	2.6	1	1.5	27.56	7.73	98.3	7.31	0.347
2	2.6	2	1.5	25.3	4.36	53	7.2	0.392

-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.