

AMBIENT LAKE MONITORING NETWORK

Lake Name: Echo Lake

County: Passaic

SiteID: NJW04459-072

Municipality: West Milford Twp

Lake Profile Raw Data

Panel: 2 Round: 2

Season: Spring

Date sampled: 5/26/2011

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	0.032	0.54	0.02	0.01	14.49	51	32.4	3.02
1A	0.06	ANR	ANR	ANR	10.01	ANR	ANR	4.45
2	0.019	0.51	0.02	0.01	14.38	30	32.6	2.99

Season: Summer

Date sampled: 8/23/2011

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	0.061	0.824	0.066	0.0172	37.41	ANR	33.9	5
1A	0.101	1.11	0.0177	0.515	19.3	ANR	40.7	3.10
2	0.055	0.792	0.026	0.0151	35.69	ANR	34.3	4.27
2A	0.166	1.15	0.0199	0.57	20.56	ANR	40.4	3.31

Season: Fall

Date sampled: 10/24/2011

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	0.026	0.716	0.0286	0.17	17.83	25	34.5	1.52
2	0.028	0.675	0.0229	0.178	16.33	22	34.7	1.49

Sample Device - Horizontal Polycarbonate Sampler; a blank parameter result means the parameter could not be analyzed due to a lab error.

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume I, Methods.

"ANR" (Analyte Not Requested) indicates a sample was not collected for this parameter.

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Surface to Bottom Profile

Panel: 2 **Round:** 2

Season: Spring

Date sampled: 5/26/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	9	1	1.7	21.5	9.42	110.4	7.55	0.146
1	9	2	1.7	18.71	10.19	113.1	7.62	0.147
1	9	3	1.7	16.66	9.42	100.2	7.55	0.148
1	9	4	1.7	15.9	8.15	85.2	7.5	0.151
1	9	5	1.7	15.18	6.46	66.4	7.47	0.152
1	9	6	1.7	12.85	3.68	36	7.39	0.158
1	9	7	1.7	11.07	1.66	15.7	7.32	0.159
1A	9	8	1.7	9.87	0.45	4.1	7.23	0.168
2	7.9	1	1.6	18.2	8.42	92.4	7.36	0.148
2	7.9	2	1.6	16.41	9.19	97.1	7.36	0.149
2	7.9	3	1.6	15.61	7.09	73.6	7.3	0.151
2	7.9	4	1.6	15.05	6.14	63	7.27	0.153
2	7.9	5	1.6	13.86	4.84	48.3	7.25	0.157
2	7.9	6	1.6	12.26	3.38	32.5	7.21	0.158
2	7.9	7	1.6	11.07	1.25	11.8	7.17	0.163

Season: Summer

Date sampled: 8/23/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	9	1	1.7	23.96	6.57	79.8	7.2	0.129
1	9	2	1.7	23.9	6.27	76.1	7.12	0.129
1	9	3	1.7	23.73	5.33	64.6	7.07	0.129
1	9	4	1.7	21.3	0.2	2.3	6.85	0.129
1	9	5	1.7	15.91	0.09	0.9	6.84	0.154
1	9	6	1.7	13.49	0.09	0.9	6.92	0.155
1	9	8	1.7	11.12	0.09	0.9	7	0.173
1A	9	7	1.7	12.23	0.08	0.8	6.98	0.16
2	7.7	1	1.7	24.42	7.45	91.3	7.26	0.129
2	7.7	2	1.7	23.89	6.66	80.8	7.17	0.13
2	7.7	3	1.7	23.72	6.01	72.4	7.17	0.129
2	7.7	4	1.7	22.6	1.61	19	7.06	0.132
2	7.7	5	1.7	17.14	0.13	1.4	6.98	0.152
2	7.7	6	1.7	12.8	0.08	0.8	6.96	0.159
2A	7.7	7	1.7	11.52	0.08	0.8	6.95	0.168

"B" indicates secchi can be seen at the Bottom of lake; "P" indicates secchi depth was Obscured, typically (but not always) by plants.

-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 Name: Echo Lake

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Surface to Bottom Profile

Panel: 2 **Round:** 2

Season: Fall

Date sampled: 10/24/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	8.8	1	2.1	14.43	5.8	58.3	8.47	0.133
1	8.8	2	2.1	14.43	5.58	55.9	8.14	0.132
1	8.8	3	2.1	14.41	5.46	54.7	7.84	0.133
1	8.8	4	2.1	14.4	5.46	54.6	7.8	0.133
1	8.8	5	2.1	14.4	5.45	54.5	7.58	0.133
1	8.8	6	2.1	14.39	5.37	53.7	7.5	0.133
1	8.8	7	2.1	14.36	5.09	50.7	7.47	0.133
1	8.8	8	2.1	14.17	3.58	35.6	7.35	0.135
2	7.7	1		14.37	5.52	55	7.21	0.134
2	7.7	2		14.36	5.33	53.3	7.17	0.134
2	7.7	3		14.34	5.26	52.5	7.28	0.133
2	7.7	4		14.32	5.16	51.6	7.24	0.134
2	7.7	5		14.27	4.96	49.4	7.19	0.133
2	7.7	6		14.23	4.93	49.1	7.16	0.133
2	7.7	7		14.04	1.54	14.7	7.1	0.144

"B" indicates secchi can be seen at the Bottom of lake; "P" indicates secchi depth was Obscured, typically (but not always) by plants.

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