

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Greenwood Lake

County: Passaic

SiteID: NJW04459-049

Municipality: West Milford Twp

## Lake Profile Raw Data

Panel: 2 Round: 2

Season: Spring

Date sampled: 6/1/2011

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	0.031	0.37	0.02	0.015	11.42	45	42.8	3.22
2	0.02	0.35	0.02	0.011	6.06	39	43.6	1.84
3	0.028	0.36	0.02	0.01	8.44	35	44.4	2.6

Season: Summer

Date sampled: 9/1/2011

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	0.022	0.507	0.0247	0.00461	24.02	30	42.3	4.4
2	0.019	0.487	0.014	0.0077	21.75	29	41.2	4.9
3	0.03	0.477	0.0132	0.01	20.76	27	38.7	5.52

Season: Fall

Date sampled: 11/3/2011

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	0.015	0.452	0.196	0.0707	21.72	55	39.9	2.26
2	0.01	0.369	0.171	0.0555	13.45	59	39.4	3.07
3	0.017	0.311	0.145	0.00536	12.64	29	44.9	3.01

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.

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Greenwood Lake

**County:** Passaic

**SiteID:** NJW04459-049

**Municipality:** West Milford Twp

## Surface to Bottom Profile

**Panel:** 2      **Round:** 2

**Season:** Spring

**Date sampled:** 6/1/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.9	1	B	24.89	8.67	106.8	7.49	0.231
2	2.7	1	P	25.61	9.31	116	7.96	0.244
2	2.7	2	P	21.12	8.44	96.7	8.24	0.248
3	7	1	2.3	24.2	8.89	108.1	8.15	0.248
3	7	2	2.3	23.56	9.72	116.8	8.35	0.249
3	7	3	2.3	20.94	9.19	105	8.28	0.249
3	7	4	2.3	20.16	8.46	95.1	8.18	0.249
3	7	5	2.3	19.71	6.86	76.5	8.07	0.25
3	7	6	2.3	15.93	5.66	58.4	8.04	0.254

**Season:** Summer

**Date sampled:** 9/1/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	7.1	1	1.3	23.6	8.04	95.5	7.85	0.22
1	7.1	2	1.3	22.78	7.68	89.8	7.73	0.212
1	7.1	3	1.3	22.49	7.05	82.1	7.72	0.205
1	7.1	4	1.3	22.12	6.23	72	7.66	0.222
1	7.1	5	1.3	21.69	4.99	56.2	7.65	0.181
1	7.1	6	1.3	21.08	3.14	34.8	7.58	0.17
2	2.8	1	1.3	24.09	8.23	98.6	7.93	0.222
2	2.8	2	1.3	23.15	8.14	95.6	7.93	0.213
3	1.9	1	1.0	24.73	8.55	103.8	8.12	0.2

**Season:** Fall

**Date sampled:** 11/3/2011

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	6.8	1.1	2.3	12.03	8.7	81.2	7.78	0.196
1	6.8	2	2.3	11.87	8.33	77.4	7.71	0.196
1	6.8	3	2.3	11.82	8.34	77.5	7.69	0.195
1	6.8	4	2.3	11.75	8.28	76.8	7.65	0.195
1	6.8	5	2.3	11.58	8.37	77.2	7.63	0.195
1	6.8	6	2.3	9.76	8.95	79.3	7.65	0.198
2	2.5	1	2.0	9.76	10.69	94.6	7.97	0.199
2	2.5	2	2.0	8.87	10.89	94.4	7.87	0.204
3	1.6	1	B	7.64	11.65	98	8.55	0.212

"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.