

AMBIENT LAKE MONITORING NETWORK

Lake Name: Pleasant Valley Lake

County: Sussex

SiteID: NJW04459-023

Municipality: Vernon Twp

Lake Profile Raw Data

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/19/2010

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	0.036	0.377	0.00937	0.01	4.4	49	129	2.28
2	0.037	0.372	0.011	0.01	4.72	48	128	1.91
3	0.032	0.364	0.00934	0.01	3.67	50	127	1.81
3A	0.04	0.392	0.0109	0.01	10.69	85	145	2.81

Season: Summer

Date sampled: 8/9/2010

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	0.067	0.751	0.0125	0.0875	29.78	ND	145	5.49
2	0.061	0.78	0.0127	0.0742	30.57	ND	150	5.59
3	0.078	0.783	0.0108	0.0781	34.64	ND	148	6.33

Season: Fall

Date sampled: 10/14/2010

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	0.057	0.757	0.0351	0.022	44.06	90	151	8.46
2	0.076	0.828	0.0347	0.064	44.74	80	151	10.5
3	0.062	0.722	0.0397	0.0506	37.09	95	152	7.88

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: Pleasant Valley Lake

County: Sussex

SiteID: NJW04459-023

Municipality: Vernon Twp

Surface to Bottom Profile

Panel: 1 Round: 2

Season: Spring

Date sampled: 5/19/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.3	1	2.3	16.49	6.83	71.5	7.07	0.438
1	2.3	2	2.3	16.03	6.4	66.4	7.14	0.444
2	3.8	1	2.3	16.59	6.91	72.5	7.42	0.437
2	3.8	2	2.3	16.41	6.19	64.7	7.43	0.441
2	3.8	3	2.3	16.15	4.55	47.4	7.42	0.445
3	6.3	1	2.7	16.57	7.52	78.9	7.55	0.435
3	6.3	2	2.7	16.49	7.6	79.6	7.61	0.436
3	6.3	3	2.7	16.12	7.32	76.1	7.63	0.438
3	6.3	4	2.7	14.09	6.48	64.5	7.6	0.459
3	6.3	5	2.7	11.94	2.72	25.6	7.49	0.49
3A	6.3	6	2.7	10.82	0.55	5.1	7.37	0.505

Season: Summer

Date sampled: 8/9/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	2.0	1	1.2	26.26	6.05	76.3	7.41	0.52
2	3.5	1	1.2	26.89	7.19	91.6	7.92	0.518
2	3.5	2	1.2	26.7	6.75	85.8	8.01	0.518
2	3.5	3	1.2	25.49	0.72	8.9	7.7	0.529
3	6.0	1	1.2	26.97	6.91	88.4	7.92	0.518
3	6.0	2	1.2	26.73	6.29	79.9	7.92	0.52
3	6.0	3	1.2	26.51	4.51	57.1	7.81	0.52
3	6.0	4	1.2	25.87	0.38	4.7	7.6	0.525
3	6.0	5	1.2	24.72	0.12	1.4	7.48	0.536

Season: Fall

Date sampled: 10/14/2010

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	1.9	1	1.3	14.97	6.4	65	7.86	0.554
2	3.5	1	1.2	15.57	6.49	66.6	7.71	0.551
2	3.5	2	1.2	15.43	6.17	63.1	7.71	0.552
2	3.5	3	1.2	15.42	6.25	64	7.71	0.552
3	6.0	1	1.3	15.66	5.51	56.7	7.63	0.552
3	6.0	2	1.3	15.63	5.37	55.3	7.61	0.551
3	6.0	3	1.3	15.58	5.37	55.3	7.61	0.551
3	6.0	4	1.3	15.54	5.54	56.9	7.62	0.551
3	6.0	5	1.3	15.48	5.76	59.1	7.64	0.552

-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.