

AMBIENT LAKE MONITORING NETWORK

Lake Name: Glenwood Lake
SiteID: NJW04459-256

County: SUSSEX
Municipality: VERNON TWP

Surface to Bottom Profile

Season: Spring

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	6.3	1	2.0	23.71	9.35	113	8.6	0.324
1	6.3	2	2.0	22.34	9.79	115.3	8.6	0.322
1	6.3	3	2.0	17.54	9.93	106.2	8.44	0.323
1	6.3	4	2.0	12.47	11.72	112.4	8.18	0.333
1	6.3	4.8	2.0	9.63	0.82	7.4	7.47	0.35
1	6.3	6	2.0	8.36	0.39	3.4	7.34	0.369

Season: Summer

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	6.4	1	1.5	20.66	5.17	58.6	7.83	0.327
1	6.4	2	1.5	20.62	4.99	56.5	7.89	0.328
1	6.4	3	1.5	20.58	5.16	58.4	7.92	0.327
1	6.4	4	1.5	20.48	3.96	44.8	7.75	0.33
1	6.4	5	1.5	19.65	0.18	2	7.33	0.341
1	6.4	6	1.5	13.26	0.09	1	6.94	0.441

Season: Fall

Station	Tot. Depth (M)	Profile Depth (M)	Secchi (M)	Water Temp (C)	DO (mg/L)	DO (%Sat)	pH (SU)	Conductivity (mS/cm)
1	6.5	1	1.4	13.61	8.68	84	7.68	0.314
1	6.5	2	1.4	13.55	8.59	83	7.87	0.314
1	6.5	3	1.4	13.52	8.61	83.2	7.91	0.314
1	6.5	4	1.4	13.47	8.61	83.2	7.93	0.314
1	6.5	5	1.4	13.35	8.61	82.9	7.94	0.314
1	6.5	6	1.4	13.31	8.52	81.9	7.92	0.315

-Secchi measurements are not recorded for outlets.

-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 Profile Raw Data

Season: Spring

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.017	0.385	0.163	0.006	8.0	104.0	144.700	2.39

Season: Summer

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.034	0.425	0.033	0.022	20.7	104.0	145.200	3.80

Season: Fall

Station	Tot Phos (mg/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	0.026	0.457	0.027	0.035	24.5	122.0	151.400	5.44

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.