

AMBIENT LAKE MONITORING NETWORK

Lake Name: Great Gorge

County: SUSSEX

SiteID: NJW04459-097

Municipality: VERNON TWP

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	4	1	3.2	19.34	9.12	104.3	7.63	0.087
1	4	2	3.2	19.01	9.53	108.3	8.08	0.086
1	4	3	3.2	16.11	15.49	165.9	9.78	0.087
2	3.8	1	2.1	20.21	8.66	100.7	7.87	0.088
2	3.8	2	2.1	19.84	9.06	104.5	7.95	0.087
2	3.8	3	2.1	16.55	4.7	51.4	7.59	0.093

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	4	1	3.7	27.02	5	65.4	7.25	0.093
1	4	2	3.7	26.78	5.16	67.1	7.3	0.092
1	4	3	3.7	26.49	4.9	63.4	7.28	0.093
2	3.6	1	3.5	27.09	4.93	64.5	7.39	0.092
2	3.6	2	3.5	26.86	4.78	62.3	7.35	0.093
2	3.6	3	3.5	26.26	0.8	10.3	6.82	0.102

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	4.0	1	3.5	15.46	6.98	72.1	7.79	0.084
1	4.0	2	3.5	15.38	6.87	70.8	7.68	0.084
1	4.0	3	3.5	15.37	6.86	70.7	7.64	0.084
2	3.3	1	3.0	15.64	6.78	70.3	7.62	0.085
2	3.3	2	3.0	15.45	7.1	73.3	7.66	0.085
2	3.3	3	3.0	15.12	6.92	71	7.64	0.084

-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	0.015	0.135	0.147	0.005	2.3	51.000	42.556	1.27
2	ND	0.236	0.154	0.005	2.3	46.000	42.474	1.44

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	0.013	0.182	0.050	0.027	3.2	41.000	46.624	1.12
2	ND	0.100	0.040	0.028	3.68	33.000	46.541	1.14

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	ND	0.178	0.041	0.026	2.83	30.000	48.860	1.02
2	ND	0.203	0.037	0.022	2.65	40.000	48.737	1.25

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.