

AMBIENT LAKE MONITORING NETWORK

Lake Name: Pleasant Valley Lake

County: SUSSEX

SiteID: NJW04459-023

Municipality: VERNON TWP

Surface to Bottom Profile

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	2.1	0.9	1.0	26.57	5.21	65.8	7.82	0.458
1	2.1	1.8	1.0	26.41	4.04	50.9	7.55	0.462
2	3.6	0.9	1.0	26.96	5.08	64.6	7.84	0.457
2	3.6	1.8	1.0	26.89	4.83	61.4	7.77	0.458
2	3.6	2.7	1.0	26.83	4.8	60.9	7.8	0.458
3	5.1	0.9	1.0	27.1	5.61	71.7	8.06	0.456
3	5.1	1.8	1.0	27.05	5.39	68.8	8.02	0.456
3	5.1	2.7	1.0	27.01	5.16	65.8	7.96	0.457
3	5.1	3.6	1.0	25.85	0.14	1.8	7.04	0.458
3	5.1	4.6	1.0	22.16	0.05	0.6	7.04	0.481

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	1.8	0.9	0.9	18.97	7.25	78.6	8.17	0.488
2	3.3	0.9	0.9	19.6	8.54	93.8	8.4	0.486
2	3.3	1.8	0.9	18.74	4.85	52.3	7.71	0.489
2	3.3	2.7	0.9	18.14	2.85	30.4	7.44	0.494
3	5.8	0.9	0.8	20.35	8.76	97.7	8.48	0.487
3	5.8	1.8	0.8	18.73	5.3	57.2	7.76	0.489
3	5.8	2.7	0.8	18.44	4.1	44.1	7.6	0.489
3	5.8	3.6	0.8	18.33	4.06	43.5	7.58	0.49
3	5.8	4.6	0.8	18.22	3.31	35.4	7.51	0.491
3	5.8	5.4	0.8	18.06	2.08	22.2	7.45	0.496

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-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: Summer

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	< 38.41	0.348	<0.006	0.018	44.5	100	138.3	5.87
2	< 38.41	0.372	<0.006	0.016	49.7	103	137.7	7.41
3	75.09	0.388	<0.006	0.018	57.0	102	138.8	6.72

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	35.79	0.74	<0.006	0.065	30.3	105	150.8	11
2	33.11	0.72	<0.006	0.071	35.2	102	152	9.93
3	43.37	0.945	<0.006	0.051	42.8	113	149.8	12.5

Sample Device - Horizontal Polycarbonate Sampler

"<" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.