

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Glovers Pond

**County:** WARREN

**SiteID:** NJW04459-175

**Municipality:** FRELINGHUYSEN 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	6.8	1	3.9	18.1	8.37	89.9	7.68	0.381
1	6.8	2	3.9	17	7.88	82.8	7.88	0.384
1	6.8	3	3.9	14.86	6.31	63.3	7.81	0.387
1	6.8	4	3.9	9.39	4.73	41.9	7.76	0.387
1	6.8	5	3.9	7.3	2.41	20.2	7.64	0.397
1	6.8	6	3.9	5.96	0.73	5.9	7.45	0.43
2	8.3	1	4	18.39	8.58	92.7	8.17	0.38
2	8.3	2	4	17.63	8.27	88	8.17	0.381
2	8.3	3	4	13.32	6	58.2	7.98	0.386
2	8.3	4	4	10.03	6.22	55.9	7.93	0.384
2	8.3	5	4	7.38	3.04	25.6	7.74	0.396
2	8.3	6	4	5.78	1.04	8.4	7.53	0.436
2	8.3	7	4	5.07	0.72	5.8	7.32	0.456
2	8.3	8	4	5.21	0.36	2.9	6.98	0.505

**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	1	3.7	26.44	7.76	98.8	7.64	0.323
1	6	2	3.7	25.57	4.68	58.7	7.6	0.33
1	6	3	3.7	22.9	4.32	51.5	7.53	0.368
1	6	4	3.7	19.31	2.91	32.3	7.48	0.384
1	6	5	3.7	14.57	6.65	66.8	7.6	0.392
1	6	6	3.7	9.57	0.41	3.6	7.27	0.419
2	8.5	1	3.7	26.4	7.73	98.3	7.98	0.324
2	8.5	2	3.7	25.37	6.91	86.2	7.87	0.341
2	8.5	3	3.7	23.26	5.39	64.7	7.66	0.369
2	8.5	4	3.7	19.18	7.94	87.7	7.86	0.375
2	8.5	5	3.7	14.23	10.95	109.3	8.02	0.385
2	8.5	6	3.7	9.94	0.48	4.3	7.29	0.414
2	8.5	7	3.7	6.94	0.36	3.1	7.07	0.463
2	8.5	7.5	3.7	6.54	0.24	1.9	7.01	0.477
2	8.5	8	3.7	6.46	0.21	1.8	6.95	0.502

-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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## Surface to Bottom Profile

Season: Fall

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1	6.8	1	4.6	15.1	5.95	59.6	7.59	0.35
1	6.8	2	4.6	15.08	5.81	58.3	7.65	0.351
1	6.8	3	4.6	15.08	5.74	57.5	7.67	0.352
1	6.8	4	4.6	15.06	5.93	59.5	7.69	0.35
1	6.8	5	4.6	14.99	5.83	58.5	7.72	0.351
1	6.8	6	4.6	13.1	0.34	3.2	7.25	0.442
2	8.4	1	4.7	14.93	6.2	62	7.42	0.349
2	8.4	2	4.7	14.87	6.1	60.9	7.51	0.349
2	8.4	3	4.7	14.84	6.04	60.2	7.58	0.349
2	8.4	4	4.7	14.81	5.79	57.8	7.63	0.35
2	8.4	5	4.7	14.76	5.71	56.8	7.64	0.351
2	8.4	6	4.7	13.8	0.42	4.1	7.3	0.416
2	8.4	7	4.7	9.46	0.19	1.7	6.92	0.519
2	8.4	7.5	4.7	8.58	0.11	1	6.82	0.547
2	8.4	8	4.7	8.37	0.1	0.9	6.77	0.564

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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	0.028	0.552	0.0063	0.00778	4.83	85	213	1
1A	0.065	0.906	0.0063	0.00778		69	219	1
2	0.028	0.678	0.0063	0.00778	3.92	85	213	1.04
2A	0.064	1.260	#LA	0.0322		102	216	1.04

### 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	ND	0.0798	0.0063	NA	9.37	NA	NA	0.8
1A	0.057	0.514	.0063	NA	71.8	NA	203	3.16
2	ND	1.29	0.0063	NA	9.09	70	234	0.74
2A	0.314	0.569	0.0063	0.0111	104.68	49	201	NA

### 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	0.018	0.499	0.00630	0.0244	10.25	150	204	2.12
2	0.021	0.521	0.00630	0.0204	9.74	130	203	1.53
2A	0.368	8.60	0.0063	8.54	74.46	140	281	NA

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.