

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** Heritage Lakes

**County:** SUSSEX

**SiteID:** NJW04459-167

**Municipality:** HAMBURG BORO

## 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	10	1	7	16.72	8.74	90.7	8.56	0.547
1	10	2	7	16.61	8.84	91.6	8.63	0.546
1	10	3	7	16.04	9.47	97	8.65	0.55
1	10	4	7	13.29	11.08	106.9	8.66	0.558
1	10	5	7	11.58	11.35	105.3	8.67	0.559
1	10	6	7	10.35	10.89	98.2	8.59	0.566
1	10	7	7	9.47	10.36	91.6	8.45	0.584
1	10	8	7	9.06	8.8	77	8.19	0.631
1	10	9	7	9.05	6.75	59.1	7.96	0.674

**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	10	1	7.5	25.99	7.88	99.4	8.17	0.532
1	10	2	7.5	25.93	7.92	100	8.26	0.532
1	10	3	7.5	25.8	8	100.6	8.33	0.532
1	10	4	7.5	25.62	7.94	99.5	8.35	0.532
1	10	5	7.5	25.11	7.66	95	8.23	0.543
1	10	6	7.5	23.49	6.89	83	8.1	0.555
1	10	7	7.5	21.6	4.81	55.9	7.93	0.562
1	10	8	7.5	19.54	1.66	18.5	7.8	0.572
1	10	9	7.5	16.81	0.19	2.1	7.51	0.618
1	10	9.5	7.5	15.45	0.09	1	7.33	0.697

**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	9.8	1	8.6	16.37	5.95	61.9	7.71	0.575
1	9.8	2	8.6	16.39	5.9	61.4	7.69	0.575
1	9.8	3	8.6	16.39	5.87	61	7.7	0.575
1	9.8	4	8.6	16.4	5.91	61.4	7.71	0.575
1	9.8	5	8.6	16.4	5.83	60.6	7.73	0.575
1	9.8	6	8.6	16.39	5.84	60.7	7.74	0.575
1	9.8	7	8.6	16.4	5.84	60.7	7.75	0.575
1	9.8	8	8.6	16.4	5.83	60.7	7.75	0.575
1	9.8	9	8.6	16.4	5.79	60.2	7.76	0.575

-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	0.011	0.455	0.0063	0.0078	9.09	156	198	1.21
1A	0.019	0.277	0.0063	0.0205	2.87	102	217	0.62

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	0.348	0.0063	0.0078	2.5	145	205	0.3
1A	0.077	2.47	0.0063	1.31	21.3	80	282	2.6*

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	0.031	0.425	0.0642	0.144	4.13	150	225	0.67

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.