

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake Tamarack

County: SUSSEX

SiteID: NJW04459-192

Municipality: HARDYSTON 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	3.7	1	2.7	16.67	8.4	88.4	7.45	0.277
1	3.7	2	2.7	16.44	8.25	86.4	7.55	0.278
1	3.7	3	2.7	16.2	7.8	81.3	7.53	0.277
2	2.9	1	2.4	16.7	9	94.8	7.87	0.277
2	2.9	2	2.4	16.54	8.93	93.7	7.99	0.278

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	3.8	1	3.0	25.52	8.08	102.2	7.77	0.274
1	3.8	2	3.0	24.46	6.45	80	7.72	0.272
1	3.8	3	3.0	23.34	0.95	11.5	7.33	0.274
1	3.8	3.5	3.0	21.69	0.11	1.3	6.89	0.326
2	3.0	1	2.6	25.6	8.37	106	7.89	0.273
2	3.0	2	2.6	24.73	7.17	89.3	7.83	0.274

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	3.4	1	1.7	16.05	8.73	93.3	7.67	0.325
1	3.4	2	1.7	15.94	8.7	92.8	7.68	0.326
1	3.4	3	1.7	15.73	8.2	87.1	7.66	0.325
2	2.7	1	1.8	15.83	8.55	90.9	7.72	0.326
2	2.7	2	1.8	15.7	8.2	87	7.68	0.326

-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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SiteID: NJW04459-192

Municipality: HARDYSTON TWP

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	0.308	0.0063	0.00778	7.27	39	61.8	1.38
2	0.028	0.410	0.0063	0.00778	8.88	68	62.7	1.7

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	.361	.0063	0.008	12.13	58	67	1.32
1A	0.028	.656	.0063	0.030	32.3	39	69	7.73
2	ND	.656	.0063	0.008	7.44	45	69.9	1.36

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	0.037	0.698	0.0586	0.134	35.35	60	76.7	4.02
2	0.038	0.551	0.0634	0.141	27.29	52	76.9	2.84

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.