

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lower Twin Lake

County: PASSAIC

SiteID: NJW04459-131

Municipality: POMPTON LAKES BORO

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	3.3	1	2.1	15.2	9.07	91.3	7.5	0.193
1	3.3	2	2.1	14.69	8.25	82	7.44	0.194
1	3.3	3.1	2.1	12.57	6.03	57.2	7.27	0.202
outlet	0.2	0.2		16.24	9.98	102.5	7.53	0.19

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	3.2	1	3.2	25.5	6.81	83.4	7.5	0.265
1	3.2	2	3.2	25.31	6.24	76.1	7.49	0.266
1	3.2	3	3.2	24.05	0.89	10.6	7.11	0.277
outlet	0.1	0.1		27.36	7.36	93.2	7.52	0.252

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	2.3	15.86	9.61	96.5	7.38	0.185
1	3.4	2	2.3	15.51	6.45	64.3	7.23	0.197
1	3.4	3	2.3	15.07	2.44	24	7.03	0.206
outlet	0.1	0.1		16.21	9.59	97	7.5	0.182

-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 Name: Lower Twin Lake

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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	0.405	0.107	0.015	7.3	35.000	54.380	2.52
outlet	0.028	0.360	0.103	0.016	6.68	38.000	52.135	2.33

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	0.019	0.285	0.005	0.010	7.39	38.000	60.074	1.10
outlet	0.019	0.282	0.013	0.010	6.45	62.000	56.460	0.85

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	0.029	0.376	0.066	0.003	15.58	35.000	52.174	1.39
outlet	0.022	0.319	0.068	0.003	9.83	30.000	52.465	1.18

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.