

AMBIENT LAKE MONITORING NETWORK

Lake Name: Algonquian Waters Lake

County: PASSAIC

SiteID: NJW04459-187

Municipality: WEST MILFORD 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	2.7	1	2.7	20.38	7.52	85.9	7.29	0.096
1	2.7	2	2.7	20.36	7.58	86.6	7.26	0.096
2	3.8	1	3.4	20.42	7.53	86.1	7.15	0.097
2	3.8	2	3.4	18.73	8.04	88.9	7.13	0.096
2	3.8	3	3.4	16.47	7.55	79.7	7.07	0.097

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	2.6	1	2.6	24.51	6.68	82.2	6.96	0.107
1	2.6	2	2.6	24.32	6.5	79.7	6.95	0.107
2	3.8	1	3.3	24.84	6.63	82.1	6.97	0.107
2	3.8	2	3.3	24.36	6.27	77	6.96	0.107
2	3.8	3	3.3	22.35	0.8	9.5	6.56	0.126

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	2.7	1	2.7	8.94	9.03	80	7.32	0.114
1	2.7	2	2.7	8.82	9	79.5	7.29	0.114
2	3.6	1	3.5	9.25	9.07	81	7.14	0.114
2	3.6	2	3.5	9.14	9.03	80.4	7.13	0.115
2	3.6	3	3.5	9	8.95	79.5	7.08	0.115

-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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County: PASSAIC

SiteID: NJW04459-187

Municipality: WEST MILFORD 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	0.011	0.366	0.006	0.008	2.88	16	23.6	0.92
2	0.01	0.299	0.006	0.008	2.43	25	23.9	0.79

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	0.439	0.00630	0.00778	12.3	21	27.4	1.27
2	ND	0.403	0.00630	0.00778	6.2	15	27.2	1.08

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	0.028	0.264	0.00630	0.0167	5.99	15	28.2	1.12
2	0.029	0.256	0.00630	0.0162	8.02	19	28.1	1.3

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.