

AMBIENT LAKE MONITORING NETWORK

Lake Name: Lake Fred

County: ATLANTIC

SiteID: NJW04459-274

Municipality: GALLOWAY 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	1.1	0.5	1.1	7.18	9.88	80.4	5.64	0.071
2	0.8	0.4	0.8	7.63	9.95	81.9	5.18	0.071

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	1.1	0.5	1.1	25.16	8.15	98.1	5.48	0.079
2	0.8	0.4	0.8	24.09	8.11	95.8	5.4	0.077

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	1.2	0.6	1.2	21.97	6.24	71.3	4.53	0.067
2	0.8	0.4	0.8	20.61	6.86	76.1	4.63	0.073

-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	0.01	0.261	0.485	0.0102	7.24	35	16.7	1.55
2	0.01	0.338	0.460	0.0174	9.22	8	16.7	2.24

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	0.016	0.418	0.257	0.008	3.23	15	16.3	0.99
2	0.015	0.457	0.249	0.136	3.75	4	15.6	1.25

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	0.021	0.499	0.157	0.0275	2.96	3.0	12.2	3.28
2	0.017	0.436	0.174	0.0251	4.79	2.0	13.2	2.62

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.