

AMBIENT LAKE MONITORING NETWORK

Lake Name: Garrison Lake

County: GLOUCESTER

SiteID: NJW04459-088

Municipality: ELK 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	0.9	10.54	10.63	94.8	5.73	0.094
outlet	0.3	0.3		10.34	10.78	95.7	5.48	0.094

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	22.58	6.66	76.9	6.45	0.103
outlet	0.1	0.1		22.8	7.02	81.4	6.68	0.102

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	0.5	1	25.97	6.64	80.7	6.93	0.092
outlet	0.1	0.1		25.99	7.32	88.9	6.99	0.091

-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	0.022	0.416	2.880	0.006	6.9	3.100	32.650	4.56
outlet	0.014	0.389	2.930	0.006	6.2	4.100	33.520	3.46

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	0.024	0.632	2.160	0.042	15.9	26.000	38.150	2.32
outlet	0.026	0.675	1.870	0.050	17.0	15.000	37.993	2.39

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	0.011	0.543	1.050	0.040	5.19	15.000	33.594	1.56
outlet	0.016	0.480	1.080	0.070	4.72	22.000	33.932	2.64

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.