

AMBIENT LAKE MONITORING NETWORK

Lake Name: Rhodo Lake

County: SALEM

SiteID: NJW04459-179

Municipality: QUINTON 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	1.5	1	1.5	8.17	10.79	90.5	6.24	0.131
2	2.7	1	2.2	8.59	10.86	92	5.69	0.124
2	2.7	2	2.2	8.44	10.38	87.6	5.77	0.124

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	1.4	0.7	1.3	20.81	8.45	93.9	6.58	0.11
2	2.5	1	1.7	19.92	5.14	56.1	6.52	0.113
2	2.5	2	1.7	16.42	0.49	5	6.34	0.108

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	1.5	1	1.2	20.93	7.14	79.1	6.5	0.087
2	2.4	1	0.9	21.91	4.67	52.8	6.49	0.087
2	2.4	2	0.9	21.22	4.34	48.4	6.34	0.097

-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	0.023	0.384	2.12	0.0148	4.67	39	39.1	2.51
2	0.018	0.322	2.04	0.0123	6.75	12	38.9	2.59

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	0.041	0.736	1.11	0.009	25.29	22	38.4	3.8
2	0.033	0.776	1.24	0.030	19.23	19	39.6	3.10
2A	0.041	0.636	1.03	0.083	14.95	20	39.2	4.74

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	0.068	0.791	0.675	0.0456	55.53	30	33.1	6.23
2	0.067	0.860	0.585	0.0638	55.17	41	30.8	8.44

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.