

AMBIENT LAKE MONITORING NETWORK

Lake Name: Erskine Lake

County: PASSAIC

SiteID: NJW04459-137

Municipality: RINGWOOD 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	4.4	1	4.4	15.23	8.36	84.1	7.55	0.279
1	4.4	2	4.4	15.11	8.03	80.7	7.55	0.281
1	4.4	3	4.4	15	7.9	79	7.55	0.281
1	4.4	4	4.4	13.76	5.54	54	7.4	0.281
outlet	0.1	0.1		16.38	9.72	100.2	7.35	0.284

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	4.5	1	2.8	26.64	7.72	98.4	8.13	0.316
1	4.5	2	2.8	26.48	7.67	97.1	8.26	0.316
1	4.5	3	2.8	26.33	7.39	93.6	8.2	0.316
1A	4.5	4	2.8	24.19	0.85	10.3	7.47	0.323
outlet	0.2	0.2		26.88	7.37	94.3	7.54	0.31

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	3.9	1	2.0	17.78	9.79	103.6	8.13	0.27
1	3.9	2	2.0	17.48	8.37	88.2	7.99	0.27
1	3.9	3	2.0	17.36	6.52	69	7.81	0.27

-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: Erskine Lake

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Municipality: RINGWOOD BORO

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	0.026	0.505	0.215	0.125	3.07	29.000	70.352	1.03
outlet	0.031	0.575	0.218	0.120	2.82	29.000	71.140	1.09

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	0.023	0.370	0.070	0.010	11.03	59.000	76.082	1.56
1A	0.033	0.378	0.015	0.026	16.74	40.000	74.913	2.88
outlet	0.025	0.392	0.012	0.036	13.46	39.000	71.966	1.95

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	0.032	0.488	0.007	0.002	24.48	28.000	71.178	3.27

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.