

AMBIENT LAKE MONITORING NETWORK

Lake Name: Skyline Lakes

County: PASSAIC

SiteID: NJW04459-265

Municipality: RINGWOOD BORO

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	3.1	1	1.5	18.71	12.38	134	8.67	0.258
1	3.1	2	1.5	16.96	12.04	124.6	8.34	0.256
2	5	1	1.4	18.56	11.78	126.3	8.67	0.256
2	5	2	1.4	17.53	17.43	182.5	8.4	0.257
2	5	3	1.4	14.7	15.11	149	8.2	0.253
2A	5	4	1.4	12.92	5.77	54.7	7.66	0.253

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	1.9	23.6	6.69	79	7.92	0.304
1	2.6	2	1.9	23.52	6.84	80.7	8.1	0.304
2	5.2	1	2.0	23.44	7.94	93.6	7.63	0.311
2	5.2	2	2.0	23.36	7.6	89.5	8.05	0.31
2	5.2	3	2.0	23.29	7.15	84	8.08	0.317
2	5.2	4	2.0	21.47	0.72	8.2	7.15	0.347
2	5.2	5	2.0	16.36	0.09	0.9	6.81	0.535

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	3.8	1	2.5	10.39	7.81	69.3	7.14	0.31
1	3.8	2	2.5	10.38	7.72	68.5	7.16	0.31
1	3.8	3	2.5	10.37	7.7	68.3	7.19	0.31
2	6.3	1	2.4	10.27	7.73	68.5	7.64	0.312
2	6.3	2	2.4	10.28	7.44	65.9	7.49	0.312
2	6.3	3	2.4	10.28	7.37	65.3	7.42	0.312
2	6.3	4	2.4	10.25	7.3	64.7	7.38	0.313
2	6.3	5	2.4	10.05	7.47	65.9	7.35	0.311
2	6.3	6	2.4	9.87	7.56	66.4	7.21	0.309

-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	0.031	0.504	0.524	0.002	23.8	1.000	60.180	2.69
2	0.025	0.530	0.541	0.002	29.43	35.000	62.048	3.43
2A	0.019	0.453	0.758	0.006	20.31	28.000	61.093	2.85

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	0.05	0.773	0.034	0.050	28.58	78.000	78.522	2.89
2	0.043	0.814	0.151	0.011	29.63	102.0	79.851	3.44
2A	0.334	2.980	0.131	1.800	42.54	44.000	90.103	9.93

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	0.029	0.446	0.730	0.107	13.6	38.000	74.491	2.03
2	0.027	0.485	0.688	0.110	14.27	57.000	75.822	1.94

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.