

AMBIENT LAKE MONITORING NETWORK

Lake Name: Sheppard Pond

County: PASSAIC

SiteID: NJW04459-189

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	2.8	1	2.4	17.64	8.5	89.9	7.19	0.088
1	2.8	2	2.4	16.96	8.14	84.8	7.18	0.088
2	9.3	1	2.7	17.64	8.16	86.2	7.22	0.089
2	9.3	2	2.7	17.09	8.23	86	7.27	0.089
2	9.3	3	2.7	16.54	7.94	82	7.26	0.089
2	9.3	4	2.7	12.53	9.22	87.2	7.35	0.088
2	9.3	5	2.7	10.71	6.4	58.1	7.24	0.089
2	9.3	6	2.7	9.2	5.74	50.2	7.16	0.088
2	9.3	7	2.7	8.53	4.19	36.1	7.03	0.089
2	9.3	8	2.7	7.75	0.9	7.5	6.87	0.091
2	9.3	9	2.7	7.17	0.36	3	6.65	0.104

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	2.9	1	2.9	26.66	7.3	93.3	7.2	0.084
1	2.9	2	2.9	25.86	6.12	77.1	7.1	0.084
2	9.2	1	3.8	26.77	7.27	92.9	7.18	0.084
2	9.2	2	3.8	26.03	7.37	93	7.25	0.085
2	9.2	3	3.8	25.35	6.86	85.5	7.21	0.085
2	9.2	4	3.8	23.4	5.45	65.6	6.99	0.087
2	9.2	5	3.8	18.44	6.19	67.5	6.98	0.086
2	9.2	6	3.8	13.81	3.88	38.4	6.91	0.086
2	9.2	7	3.8	10.8	1.5	13.8	6.75	0.086
2	9.2	8	3.8	8.93	0.36	3.1	6.56	0.095
2	9.2	9	3.8	8.01	0.21	1.7	6.4	0.116

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	2.7	1	2.5*	11.66	7.01	65.4	7.4	0.097
1	2.7	2	2.5*	11.47	6.84	63.6	7.33	0.097
2	9.2	1	2.7	11.85	6.85	64.2	7.3	0.097
2	9.2	2	2.7	11.74	6.68	62.4	7.26	0.096
2	9.2	3	2.7	11.72	6.61	61.8	7.24	0.096
2	9.2	4	2.7	11.71	6.59	61.6	7.21	0.097
2	9.2	5	2.7	11.7	6.54	61.2	7.2	0.097
2	9.2	6	2.7	11.67	6.31	59	7.16	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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Surface to Bottom Profile

2	9.2	7	2.7	11.59	6.28	58.5	7.12	0.097
2	9.2	8	2.7	11.09	4.16	38.4	6.99	0.102
2	9.2	9	2.7	8.77	0.4	3.5	6.66	0.153

-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	0.014	0.362	0.0063	0.0078	5.62	30	27	1.2
2	0.015	0.27	0.0063	0.0078	6.15	21	27.8	1.2
2A	0.038	0.387	0.0063	0.0078	8.85	20	28	2.02

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	ND	0.400	0.00630	0.00778	7.82	18	26.9	0.89
2	ND	0.361	0.00630	0.00778	5.97	25	27.5	0.97
2A	0.042	0.585	0.00630	0.00778	35.83	27	29.6	4.44

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	0.403	0.00630	0.0220	13.33	21	29.6	1.8
2	0.017	0.334	0.00630	0.0208	12.37	55	30.2	1.64

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.