

AMBIENT LAKE MONITORING NETWORK

Lake Name: Scarlet Oak Pond
SiteID: NJW04459-174

County: BERGEN
Municipality: MAHWAH 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	9.1	1	2.1	18.34	8.75	93.9	7.98	0.097
1	9.1	2	2.1	17.48	8.83	93	8.18	0.098
1	9.1	3	2.1	14.66	9.7	96.4	7.97	0.1
1	9.1	4	2.1	11.52	11.29	104.6	8.06	0.104
1	9.1	5	2.1	7.94	11.45	97.3	7.89	0.11
1	9.1	6	2.1	6.25	2.94	23.9	7.63	0.112
1	9.1	7	2.1	5.45	0.66	5.2	7.25	0.117
1	9.1	8	2.1	5.1	0.45	3.5	7.08	0.12
1	9.1	9	2.1	5.02	0.31	2.4	6.92	0.122

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	9.4	1	3.1	25.1	8.07	99.1	6.93	0.084
1	9.4	2	3.1	24.55	6.21	75.4	6.9	0.087
1	9.4	3	3.1	22.46	10.1	117.8	6.99	0.091
1	9.4	4	3.1	17.28	6.25	65.6	6.92	0.105
1	9.4	5	3.1	11.89	0.95	8.9	6.84	0.11
1	9.4	6	3.1	8.14	0.55	4.7	6.75	0.126
1	9.4	7	3.1	6.53	0.34	2.8	6.7	0.129
1	9.4	8	3.1	5.78	0.25	2	6.64	0.133
1	9.4	9	3.1	5.43	0.21	1.7	6.61	0.138

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	6.8	1	1.7	10.78	7.51	67.5	7.56	0.113
1	6.8	2	1.7	10.7	7.14	64.1	7.52	0.113
1	6.8	3	1.7	10.67	7.03	63.1	7.47	0.113
1	6.8	4	1.7	10.64	7.02	62.9	7.46	0.114
1	6.8	5	1.7	10.56	7.07	63.3	7.45	0.113
1	6.8	6	1.7	9.97	5.6	48.5	7.39	0.122

-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: Scarlet Oak Pond

County: BERGEN

SiteID: NJW04459-174

Municipality: MAHWAH TWP

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	0.021	0.398	0.0063	0.0109	7.13	35	27.8	2.05
1A	0.033	0.439	0.0063	0.114	6.99	29	30.8	1.81

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	0.466	0.00630	0.00778	6.31	15	25.1	1.47
1A	0.026	0.762	0.00630	0.254	22.35	30	32.9	3.06

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	0.023	0.283	0.00630	0.0190	8.99	22	29.5	1.78

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.