

AMBIENT LAKE MONITORING NETWORK

Lake Name: Mecca Lake

County: SUSSEX

SiteID: NJW04459-059

Municipality: HAMPTON 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	2.4	1	1.1	14.96	7.73	78.4	6.09	0.055
1	2.4	2	1.1	13.73	6.05	59.7	5.91	0.05
outlet	0.3	0.2		16.03	8.21	85.1	6.64	0.058

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	2.4	1	1.6	22.93	4.1	48.5	5.98	0.055
1	2.4	2	1.6	18.86	0.38	4.1	5.67	0.071
outlet	0.1	0.1		21.22	6.59	75.3	6.8	0.087

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	2.4	1	1.2	9.52	6.96	63.4	6.36	0.047
1	2.4	2	1.2	9.42	6.46	58.7	6.22	0.047
outlet	0.3	0.3		9.53	9.89	90.1	6.49	0.049

-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	0.022	0.495	0.006	0.009	17.5	6	14.208	2.01
outlet	0.022	0.497	0.019	0.008	15.1	9	16.878	2.12

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	0.019	0.466	0.006	0.009	9.4	8	15.198	1.02
outlet	0.147	0.628	0.149	0.019	3.7	18	27.809	0.92

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	ND	0.397	0.007	0.021	3.2	8.200	14.758	1.04
outlet	0.017	0.332	0.021	0.020	2.8	10.200	15.004	1.06

Sample Device - Horizontal Polycarbonate Sampler

"ND" indicates the result is at a concentration below the analytical method's Reporting Limit (RL). See Volume 1, Methods.

-A blank parameter result means the parameter could not be analyzed due to laboratory error.