

AMBIENT LAKE MONITORING NETWORK

Lake Name: Cold Spring Lake
SiteID: NJW04459-237

County: PASSAIC
Municipality: BLOOMINGDALE BORO

Surface to Bottom Profile

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	0.9	2.3	28.08	6.24	81.6	7.15	0.157
1	2.6	1.8	2.3	27.76	6	78.2	7.08	0.157
outlet	<0.2	<0.2	1.0	18.18	1.34	14.6	6.43	0.173

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	2.6	0.9	2.6	21.57	6.36	73.4	6.86	0.164
1	2.6	1.8	2.6	20.62	6.25	70.9	6.83	0.164
outlet	<0.2	<0.2		16.84	0.9	9.4	6.38	0.192

-Secchi measurements are not recorded for outlets.

-A blank Secchi measurement for lake stations means that an accurate measurement could not be recorded because visibility was obscured by vegetation.

-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: Summer

<i>Station</i>	<i>Tot Phos (ug/L)</i>	<i>TKN (mg/L)</i>	<i>Nitrite-Nitrate (mg/L)</i>	<i>Ammonia-N (mg/L)</i>	<i>Chl a (ug/L)</i>	<i>Alk (ppm)</i>	<i>Hard (ppm)</i>	<i>Turbidity (NTU)</i>
1	< 38.41	0.159	<0.006	0.022	7.4	19	25.8	1.2
outlet	< 38.41	0.137	0.359	0.105	0.1	42	44	1.77

Season: Fall

<i>Station</i>	<i>Tot Phos (ug/L)</i>	<i>TKN (mg/L)</i>	<i>Nitrite-Nitrate (mg/L)</i>	<i>Ammonia-N (mg/L)</i>	<i>Chl a (ug/L)</i>	<i>Alk (ppm)</i>	<i>Hard (ppm)</i>	<i>Turbidity (NTU)</i>
1	11.22	0.296	0.007	0.039	4.9	17	27.4	1.14
outlet	<10.37	0.273	0.277	0.197	0.0	45	50.6	3.81

Sample Device - Horizontal Polycarbonate Sampler

"<" 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.