

AMBIENT LAKE MONITORING NETWORK

Lake Name: Monongahela Lake

County: GLOUCESTER

SiteID: NJW04459-268

Municipality: DEPTFORD TWP

Surface to Bottom Profile

Season: Spring

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.2	1	1.4	14.13	12.65	121.8	7.1	0.215
1	2.2	2	1.4	10.2	12.23	107.8	7.05	0.208
2	3	1	1.5	14.33	12.31	119	7.32	0.217
2	3	2	1.5	12.18	14.17	130.6	7.61	0.224
outlet	0.1	0.1		14.14	10.34	99.5	6.64	0.219

Season: Summer

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	2.2	1	1.2	25.52	6.38	78	6.68	0.183
1	2.2	2	1.2	20	2.54	28	6.39	0.202
2	3.0	1	1.4	25.17	9.71	117.7	6.61	0.182
2	3.0	2	1.4	19.7	1.63	17.8	6.3	0.187
2A	3.0	2.8	1.4	14.75	0.28	2.8	6.55	0.37
outlet	0.2	0.2		25.73	7.26	89.2	6.78	0.184

Season: Fall

<i>Station</i>	<i>Tot. Depth (M)</i>	<i>Profile Depth (M)</i>	<i>Secchi (M)</i>	<i>Water Temp (C)</i>	<i>DO (mg/L)</i>	<i>DO (%Sat)</i>	<i>pH (SU)</i>	<i>Conductivity (mS/cm)</i>
1	1.9	1	0.8	21.35	7.13	80.3	6.56	0.156
2	2.9	0.5	0.9	23.89	11.5	136.4	7.64	0.151
2	2.9	1	0.9	21.72	10.87	123.7	6.81	0.156
2	2.9	2	0.9	18.97	0.34	3.7	6.35	0.19
2A	2.9	2.5	0.9	18.04	0.38	4	6.66	0.31
outlet	0.1	0.1		24.86	5.34	64.5	6.73	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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SiteID: NJW04459-268

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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	0.033	0.429	1.380	0.018	17.83	50.000	41.701	3.4
2	0.022	0.37	1.24	0.008	17.84	43	40.801	2.8
outlet	0.022	0.509	1.21	0.013	18.17	35	40.661	2.54

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	0.066	0.751	0.874	0.072	52.63	32.000	42.568	5.45
2	0.039	0.440	0.779	0.008	41.73	38.000	43.641	3.76
2A	0.207	3.920	0.191	2.060	135.48	68.000	50.217	24.9
outlet	0.041	0.611	0.634	0.034		40.000	43.342	3.8

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	0.054	1.000	0.290	0.007	69.69	10.000	38.740	9.73
2	0.043	0.959	0.105	0.028	58.84	30.000	38.260	11.1
2A	0.068	1.870	0.191	0.851	39.41	32.000	41.069	23.0
outlet	0.038	0.866	0.155	0.130	49.67	20.000	38.842	6.34

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.