

AMBIENT LAKE MONITORING NETWORK

Lake Name: Nomahegan Park Lake

County: UNION

SiteID: NJW04459-250

Municipality: CRANFORD 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	1.3	0.5	0.6	14.88	9.95	98.2	7.04	0.38
2	0.8	0.5	0.5	16.48	11.15	113.8	7.6	0.246
3	1.2	0.5	0.6	15.94	9.5	95.7	7.24	0.191
outlet	0.1	0.1		15.84	8.31	83.6	7.5	0.229

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	1.3	0.5	0.6	25.81	3.8	46.6	6.87	0.138
2	0.8	0.5	0.6	27.07	4.28	53.8	7	0.121
3	1.2	0.5	0.4	26.35	2.86	35.4	6.93	0.116
outlet	0.1	0.1		23.22	4.52	52.9	6.87	0.241

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	1.1	0.5	1.1	21.88	5.5	62.5	7.21	0.241
2	0.8	0.5	0.8	21.76	5.83	66.2	7.01	0.188
3	1.5	1	1.5	18.22	2.27	24	6.72	0.166

-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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County: UNION

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Municipality: CRANFORD 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	0.145	0.853	0.745	0.120	64.0	66.000	131.100	9.16
2	0.184	1.280	0.146	0.192	90.7	33.000	77.497	13.1
3	0.156	0.962	0.207	0.134	85.9	31.000	59.053	12.5
outlet	0.151	0.951	0.256	0.131	68.7	43.000	58.469	10.4

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	0.426	1.130	0.339	0.207	21.2	4.100	48.353	10.2
2	0.503	0.938	0.187	0.097	14.3	36.000	42.574	11.5
3	0.514	0.891	0.293	0.214	9.3	26.000	39.660	14.2
outlet	0.182	0.896	0.575	0.159	15.6	26.000	73.550	22.3

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	0.081	0.649	0.036	0.104	11.37	54.000	86.368	5.68
2	0.085	0.827	0.036	0.161	7.58	40.000	62.135	5.90
3	0.077	0.673	0.114	0.190	5.36	21.000	53.493	3.51

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.