

# AMBIENT LAKE MONITORING NETWORK

**Lake Name:** DoD Lake

**County:** SALEM

**SiteID:** NJW04459-153

**Municipality:** OLDMANS 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	1.9	1	1.4	8.03	10.22	84.4	6.97	0.316
2	6.5	1	1.6	7.47	10.25	83.4	7.14	0.326
2	6.5	2.1	1.6	7.41	10.19	82.8	7.12	0.325
2	6.5	3	1.6	7.41	10.19	82.8	7.12	0.325
2	6.5	4	1.6	7.39	10.21	83	7.16	0.325
2	6.5	5	1.6	7.37	10.17	82.6	7.16	0.325
2	6.5	6	1.6	7.37	10.14	82.4	7.18	0.325

**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	1	1.6	28.56	6.61	84.4	7.32	0.29
2	6.9	1	4.5	28.46	7.36	93.9	8.49	0.29
2	6.9	2	4.5	28.28	7.59	96.5	8.56	0.291
2	6.9	3	4.5	22.91	8.64	99.6	8.39	0.293
2	6.9	4	4.5	19.45	9.33	100.6	8.23	0.295
2	6.9	5	4.5	17.56	8.66	89.8	8.06	0.296
2A	6.9	6	4.5	15.98	2.05	20.6	7.36	0.304

**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	2	1		25.25	6.48	77.9	7.23	0.287
2	6.6	1	1.4	25.52	7.56	91.4	8.12	0.294
2	6.6	2	1.4	25.27	7.63	91.9	8.2	0.294
2	6.6	3	1.4	25.13	7.41	88.9	8.19	0.294
2	6.6	4	1.4	24.95	7.51	89.9	8.22	0.294
2	6.6	5	1.4	24.72	7.1	84.6	8.12	0.294
2	6.6	6	1.4	22.26	0.18	2	7.36	0.327
2A	6.6	6.4	1.4	20.75	0.04	0.5	7.34	0.345

-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	ND	0.403	0.308	0.008	6.06	25.000	89.981	3.21
2	0.01	0.385	0.307	0.013	5.57	40.000	91.466	3.34

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	0.563	0.067	0.013	2.24	28.000	94.699	3.74
2	0.021	0.412	0.027	0.010	2.51	54.000	93.788	1.14
2A	0.014	0.639	0.100	0.111	32.91	40.000	95.199	3.94

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	0.478	0.003	0.022	16.39	31.000	94.524	4.88
2	ND	0.602	0.003	0.012	21.02	32.000	95.597	5.42
2A	0.045	1.200	0.003	0.551	17.45	45.000	104.149	6.26

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.