

AMBIENT LAKE MONITORING NETWORK

Lake Name: Bass Lake

County: WARREN

SiteID: NJW04459-017

Municipality: HARDWICK TWP

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	0.9	0.6	0.7	24.32	6.64	81.4	7.38	0.143
2	3.2	0.9	0.8	24.65	6.34	78.1	7.27	0.144
2	3.2	1.8	0.8	24.06	2.54	31	6.47	0.146
2	3.2	2.7	0.8	23.32	1.4	16.9	6.36	0.151
outlet	<0.2	<0.2		24.5	5.7	70.1	6.92	0.149

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	0.7	0.5	0.7	11.59	8.32	78.2	6.52	0.094
2	2.8	0.9	2.6	13.21	7.76	75.7	6.29	0.089
2	2.8	1.8	2.6	12.95	7.75	75.2	6.37	0.089
outlet	0.3	0.3		12.74	8.71	84.1	6.43	0.091

-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

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	61.09	0.415	0.006	0.023	48.9	36	45.7	7.23
2	70.8	0.562	<0.006	0.024	56.4	38	47.5	6.91
outlet	51.86	0.483	0.009	0.062	37.4	36	46.8	5.08

Season: Fall

Station	Tot Phos (ug/L)	TKN (mg/L)	Nitrite-Nitrate (mg/L)	Ammonia-N (mg/L)	Chl a (ug/L)	Alk (ppm)	Hard (ppm)	Turbidity (NTU)
1	11.72	0.276	0.056	0.02	2.1	4	26.6	1.63
2	13.72	0.246	0.074	0.028	3.2	13	25.4	1.27
outlet	17.29	0.289	0.071	0.036	2.7	11	24.8	2.61

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.