

AMBIENT LAKE MONITORING NETWORK

Lake Name: Pickerel Lake

County: OCEAN

SiteID: NJW04459-008

Municipality: JACKSON 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	1.4	0.9	1.2	27.65	5.42	70	5.13	0.027
2	0.9	0.6	0.9	27.3	5.6	72	5.14	0.027
outlet	0.6	0.3		28.43	5.4	71	5.73	0.033

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	0.3	0.7	25.62	6.79	83.9	5.5	0.028
2	0.6	0.3	0.6	25.68	6.9	84.8	5.47	0.028
outlet	0.3	0.2		25.26	5.61	68	5.82	0.032

-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	< 38.41	0.221	0.007	0.032	13.1	3	4.62	3.35
2	< 38.41	0.244	0.01	0.032	7.5	2	4.85	3.11
outlet	< 38.41	0.26	0.015	0.046	4.7		6.81	3.39

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	<10.37	0.187	0.056	0.027	7.4	3	4.38	0.99
2	26.4	0.392	0.011	0.028	18.3	3	4.68	5.35
outlet	12.65	0.311	0.014	0.047	21.0	4	7.59	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.