

# AMBIENT LAKE MONITORING NETWORK

Lake Name: Cumberland Pond

County: CUMBERLAND

SiteID: NJW04459-053

Municipality: MAURICE RIVER 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	1.1	1	1.1	10.7	9.49	85.2	4.52	0.037
outlet	1.3	0.6		10.18	9.36	83.1	4.57	0.038

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	1.2	0.5	1.2	17.11	7.77	80.4	4.3	0.033
outlet	1.2	0.6		18	8.79	92.7	4.29	0.032

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	0.9	0.5	0.9	17.59	4.9	51.3	4.42	0.056
outlet	1.6	1.6		18.54	5.24	56.1	4.34	0.057

-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:** CUMBERLAND

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## Lake Profile Raw Data

### Season: Spring

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	ND	0.261	0.006	0.030	10.3	1	4.271	2
outlet	ND	0.189	0.006	0.029	3.2	1	4.467	1.18

### Season: Summer

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	0.053	0.327	0.012	0.016	47.3	1	3.595	3.77
outlet	0.012	0.169	0.011	0.017	2.8	1	3.750	1.01

### Season: Fall

<i>Station</i>	<i>Tot Phos</i> <i>(mg/L)</i>	<i>TKN</i> <i>(mg/L)</i>	<i>Nitrite-Nitrate</i> <i>(mg/L)</i>	<i>Ammonia-N</i> <i>(mg/L)</i>	<i>Chl a</i> <i>(ug/L)</i>	<i>Alk</i> <i>(ppm)</i>	<i>Hard</i> <i>(ppm)</i>	<i>Turbidity</i> <i>(NTU)</i>
1	0.037	0.216	0.017	0.026	1.3	1	4.750	0.95
outlet	0.024	0.250	0.103	0.030	1.4	1	4.639	0.97

*Sample Device - Horizontal Polycarbonate Sampler*

*"ND" 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.*