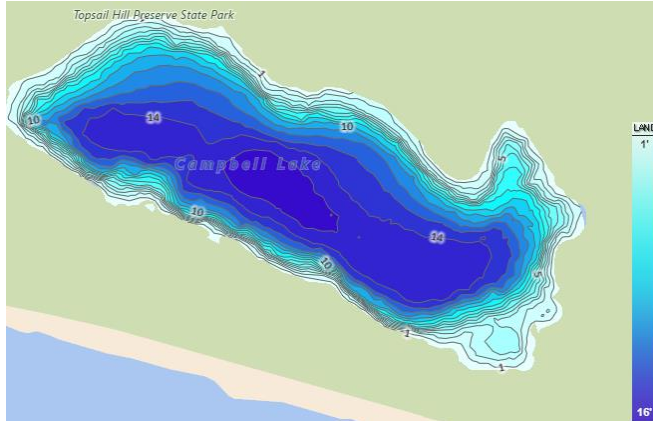


## Campbell Lake, Walton County



### Lake Details

Outfall: present

Watershed area: 8 hectares

Lake surface area: 45 hectares

Average depth: 3.54 meters

### Water Chemistry Data - 2017

Summary statistics include mean, maximum (Max), minimum (Min), median, and standard error (Std Error) calculated for total phosphorous (TP) (n = 12 samples), total nitrogen (TN) (n = 12 samples), total chlorophyll (CHL) (n = 12 samples), water transparency (Secchi Depth) (n = 12 samples), temperature (n = 12 samples), dissolved oxygen (n = 12 samples), pH (n = 12 samples), salinity (n = 12 samples), turbidity (n = 12 samples), color (n = 4 samples), and specific conductance (n = 4 samples) measurements.

### 2017 Summary Statistics

	Mean	Max	Min	Median	Std Error
<b>TP (<math>\mu\text{g/L}</math>)</b>	8	12	6	8	1
<b>TN (<math>\mu\text{g/L}</math>)</b>	268	323	188	280	13
<b>CHL (<math>\mu\text{g/L}</math>)</b>	2	3	1	1	0
<b>Secchi Depth (m)</b>	2	3	1	2	0
<b>Temperature (C)</b>	24	32	13	27	2
<b>Dissolved Oxygen (mg/L)</b>	8	10	7	7	0
<b>pH</b>	5	4	6	5	5
<b>Salinity (ppt)</b>	0	0	0	0	0
<b>Turbidity (NTU)</b>	2	14	0	1	1
<b>Color (Pt-co Units)</b>	12	18	7	13	2
<b>Specific Conductance (<math>\mu\text{S/cm}</math>)</b>	64	74	54	65	4

## Water Chemistry Data - 1995 through 2017\*

Summary statistics include mean, maximum (Max), minimum (Min), median, and standard error (Std Error) summary statistics calculated on an annual basis using monthly data for total phosphorous (TP), total nitrogen (TN), total chlorophyll (CHL), water transparency (Secchi Depth), temperature, dissolved oxygen, pH, salinity, turbidity, color, and specific conductance. Summary statistics represent Long-Term analyses among annual means from 1995 through 2017.

\*Between 1997 and 2002, data was not recorded for Campbell Lake.

### Long-Term Summary Statistics

	<b>Mean</b>	<b>Max</b>	<b>Min</b>	<b>Median</b>	<b>Std Error</b>
<b>TP (µg/L)</b>	7	10	3	7	0
<b>TN (µg/L)</b>	375	538	160	397	24
<b>CHL (µg/L)</b>	2	4	1	2	0
<b>Secchi Depth (m)</b>	2	4	1	2	0
<b>Temperature (C)</b>	23	30	21	23	1
<b>Dissolved Oxygen (mg/L)</b>	8	8	7	8	0
<b>pH</b>	5	5	6	5	6
<b>Salinity (ppt)</b>	0	0	0	0	0
<b>Turbidity (NTU)</b>	2	8	1	2	1
<b>Color (Pt-co Units)</b>	15	67	2	12	7
<b>Specific Conductance (µS/cm)</b>	95	156	50	116	11

## Long-Term Trophic State Variable Trend Analyses

Monthly total phosphorous ( $\mu\text{g/L}$ ), total nitrogen ( $\mu\text{g/L}$ ), total chlorophyll ( $\mu\text{g/L}$ ) and water transparency (m) from 1995 through 2017 for Campbell Lake. These data show the intra-annual variance with trend line and associated 95% confidence level.

Kendall-Tau trend analysis results are shown for total phosphorus, total nitrogen, total chlorophyll, and water transparency on the top-left of each plot. Not significant indicates there was no significant trend measured. Positive indicates a significant, increasing trend was found over time. Negative indicates a significant, decreasing trend among years.

