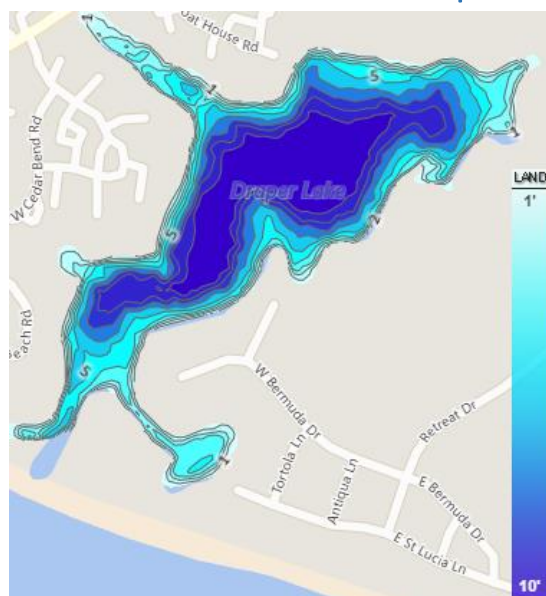


Draper Lake, Walton County



Lake Details

Outfall: present

Watershed area: 193 hectares

Lake surface area: 16 hectares

Average depth: 1.79 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 = 9 samples), total nitrogen (TN) (n = 9 samples), total chlorophyll (CHL) (n = 9 samples), water transparency (Secchi Depth) (n = 9 samples), temperature (n = 9 samples), dissolved oxygen (n = 9 samples), pH (n = 9 samples), salinity (n = 9 samples), turbidity (n = 9 samples), color (n = 2 samples), and specific conductance (n = 2 samples) measurements.

2017 Summary Statistics

	Mean	Max	Min	Median	Std Error
TP (µg/L)	12	19	8	13	1
TN (µg/L)	323	395	256	320	18
CHL (µg/L)	3	5	2	3	0
Secchi Depth (m)	1	2	1	1	0
Temperature (C)	25	30	21	25	1
Dissolved Oxygen (mg/L)	6	8	2	7	1
pH	7	7	7	7	8
Salinity (ppt)	11	17	9	10	1
Turbidity (NTU)	4	20	0	6	2
Color (Pt-co Units)	52	58	47	53	6
Specific Conductance (µS/cm)	15500	20000	12000	16000	4000

Water Chemistry Data - 1996 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), chlorophyll-a corrected for phenophytin (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 1996 through 2017.

*between 1997 and 2003, nutrient data was not recorded for Draper lake.

Long-Term Summary Statistics

	Mean	Max	Min	Median	Std Error
TP (µg/L)	12	22	7	12	1
TN (µg/L)	323	496	224	320	20
CHL (µg/L)	4	10	1	3	1
Secchi Depth (m)	1	2	1	1	0
Temperature (C)	23	26	20	23	0
Dissolved Oxygen (mg/L)	7	7	5	7	0
pH	7	7	8	7	8
Salinity (ppt)	6	17	1	10	1
Turbidity (NTU)	3	9	1	4	1
Color (Pt-co Units)	39	68	13	45	5
Specific Conductance (µS/cm)	8050	23900	1720	11600	2190

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 1996 through 2017 for Draper 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.

