



2024 WQ Sampling Results

SHORELINE Samples	E.coli Levels (#/100 mL)				Microcystin Levels (ug/L)			
	Safe Level at or below 235 #/100 mL				Safe Level at or below 8 micrograms/L			
Lake Poinsett Sites	June 6/10	July 7/15	Aug 8/19	Sept 9/23	June 6/10	July 7/29	Aug 8/19	Sept 9/23
Rec. Area Swim Beach – 3215 A	9.5	7.4	6.3	3	0	.31	.25	5.81
Sorenson – 3215 B	6.3	1	22.8	5.099	0	25.00	5,280.00	6.86
Saaranen – 3215 C	8.4	8.5	2	3	0	25.00	4,415.00	6.58
Prestrude – 3215 D	3.1	18.7	23.8	22.8	0	1.22	4.24	3.09
Lake Albert Access – 3201 A	6.3	387 & 816	1 & 3.1	1	0.30	29,270.00	24.50	2.56

MID-LAKE Samples		Nutrient Levels (mg/L)				CHL-a safe level 37.8 ppb
LAKE POINSETT - 3215	Secchi Depth	Ammonia	Nitrite Nitrate	TKN-Nitrogen	T-Phosphorous	CHL-a (ppb)
JUNE 6/24	1.8 meters	0.42	<0.2	1.73	0.291	1.205
JULY 7/9	3.048 meters	0.21	<0.2	1.56	0.245	3.178
AUGUST 8/19	1.0 meters	<0.05	<0.2	1.78	0.307	64.905
LAKE ALBERT - 3201						
JUNE 6/11	.46 meters	<0.05	<0.2	2.18	0.151	39.132
JULY 7/8	1.17 meters	0.11	0.2	2.04	0.192	19.977
AUGUST 8/6	.41 meters	0.23	<0.2	2.44	0.468	89.011

OUTLET Samples		Nutrient Levels (mg/L)				CHL-a safe level 37.8 ppb
LAKE ALBERT OUTLET – HWY 81 Bridge		Ammonia	Nitrite Nitrate	TKN-Nitrogen	T-Phosphorous	CHL-a (ppb)
JUNE 6/3		0.06	<0.2	2.03	0.238	19.784
JULY 7/8		0.14	<0.2	1.76	0.266	11.524
AUGUST 8/5		0.24	<0.2	2.48	0.419	65.791
SEPTEMBER 9/9		0.26	<0.2	2.64	0.550	24.311
DRY LAKE OUTLET - Stonebridge						
JUNE 6/3		<0.05	<0.2	1.62	0.261	35.083
JULY 7/8		0.15	<0.2	1.72	0.194	11.077
AUGUST 8/5		<0.05	<0.2	2.65	0.374	110.182
SEPTEMBER 9/9		<0.05	<0.2	2.60	0.325	56.150

Water Quality Terms

Phosphorous – is found in lawn and crop fertilizers, sewage, and soil. It fuels harmful algae growth. (TP = Total Phosphorous)

Nitrogen – is found in fertilizers and wastes, causes algae blooms. (TKN = Total Kjeldah Nitrogen)

Chlorophyll-a – The test reveals how much algae is in lake water. (CHL-a). Safe level is at or below 37.8 ppb.

Microcystin – are toxins found in harmful blue-green algae blooms.

E.coli – bacteria in animal or human waste. Sources: untreated sewage, failing septic systems, livestock, pets, and wildlife waste.

Secchi Depth – measures the lake's water's clarity.

UNITS OF MEASUREMENT: ug/L – Micrograms per liter

mg/L – Milligrams per liter

ppb – parts per billion