



# 2022 WQ Sampling Results

## LAKE POINSETT

### E.coli

Safe Level at or below 235 #/100 mL

### Microcystin

Safe Level at or below 8 micrograms/L

Sampling Site	June	July	Aug	Sept	June	July	Aug	Sept
A. Rec. Area Swim Beach	13.4	1.0	139.0	1.0	.05	.3	1.6	1.1
B. Sorenson	35.0	1.0	< 1.0	5.2	.05	.2	.2	.3
C. Saaranen	62.4	2.0	1.0	7.4	.05	.7	.3	6.5
D. Prestrude	3.1	6.3	< 1.0	5.099	.05	.3	.3	.9
<b>A. Lake Albert Access</b>	33.6	< 1.0	18.1	1.0	.05	.2	45.0	1.3

## Center of LAKE POINSETT – Excessive Nutrients mg/L

CHL-a safe level at or below 37.8 ppb

	Total Depth	Secchi -Water Clarity	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a
JUNE	16' 7" Ft.	3.75 meters	< 0.5	< 0.2	1.17	.141	4.806
JULY	- Ft.	1.219 meters	< .05	< 0.2	1.46	.23	29.212
AUGUST	16' 7" Ft.	1.158 meters	< 0.5	< 0.2	1.26	.198	52.866

## Center of LAKE ALBERT – Excessive Nutrients mg/L

CHL-a safe level 37.8 ppb

	Total Depth	Secchi -Water Clarity	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a
JUNE	10' 4" Ft.	1.97 meters	.22	.3	1.75	.122	.40
JULY	8' 10" Ft.	.508 meters	< .05	< .2	4.08	.152	105.73
AUGUST	- Ft.	.53 meters	< .05	< .2	4.23	.320	169.44

## LAKE ALBERT OUTLET – HWY 81 Bridge – Excessive Nutrients mg/L

CHL-a safe level 37.8 ppb

	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a
JUNE	.29	.2	2.16	.216	3.60
JULY	< .05	< .2	2.88	.2	83.74
AUGUST	.20	< .2	3.42	.261	187.66
SEPTEMBER	1.94	< .2	3.14	.277	Lab equip. broke

### 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)

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

**E.coli** – a bacteria found in animal or human waste. Sources are untreated sewage, failing septic systems, waste from livestock, pets, and wildlife.

**mg/L** – Milligrams per liter is a water quality measurement.

**ppb** – parts per billion is a measurement for water analysis.