



# 2023 WQ Sampling Results

Shoreline Samples	<u>E.coli Levels</u>				<u>Microcystin Levels</u>			
	Safe Level at or below 235 #/100 mL							
Sampling Site	June	July	Aug	Sept	June	July	Aug	Sept
Rec. Area Swim Beach A	2.0	2.0	4.09	<1	.4	1.2	14.4	1.7
Sorenson B	5.2	2.0	15.8	<1	.3	1.5	27.4	6.8
Saaranen C	14.5	3.1	2.0	1	.7	1.5	4.7	2.8
Prestrude D	5.2	1.0	1.0	4.09	0	1.6	6.7	0.8
Lake Albert Access A	9.7	1.0	107	2	.3	3.4	7.1	0.4

Excessive Nutrients mg/L		<u>CHL-a</u> safe level at or below 37.8 ppb					
Center-LAKE POINSETT	Secchi-Water Clarity	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a	
JUNE	2.02 meters	.18	<0.2	1.72	0.258	8.393	
JULY	3.00 meters	<.05	<0.2	1.55	0.253	16.478	
AUGUST	2.62 meters	.43	<0.2	1.95	0.309	8.187	
Center of LAKE ALBERT	Secchi-Water Clarity	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a	
JUNE	.59 meters	1.39	<0.2	3.31	0.364	3.464	
JULY	.28 meters	<0.05	<0.2	2.25	0.372	25.598	
AUGUST	.17 meters	<0.05	<0.2	2.20	0.3569	36.552	

Excessive Nutrients mg/L		<u>CHL-a</u> safe level 37.8 ppb				
LAKE ALBERT OUTLET – HWY 81 Bridge	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a	
JUNE	0.97	<0.2	3.09	0.490	-3.973	
JULY	0.14	<0.2	2.34	0.371	20.774	
AUGUST	0.30	<0.2	2.72	0.454	13.694	
SEPTEMBER	0.17	<0.2	2.10	0.183	18.541	
DRY LAKE OUTLET - Stonebridge	Ammonia	Nitrite Nitrate	TKN-Nitrogen	Phosphorous	CHL-a	
JUNE	0.19	<0.2	1.30	0.202	2.710	
JULY	<0.05	<0.2	2.33	0.340	56.133	
AUGUST	<0.05	<0.2	4.019	0.521	51.151	
SEPTEMBER	<0.05	<0.2	3.98	0.466	150.188	

## 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** – bacteria 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.