

**KEEP YOUR SEPTIC
SYSTEM HEALTHY**

**LAKE POINSETT'S
NAMESAKE Part 3**

**SATELLITES
AND HABs**

Lakeside

NEWSLETTER / JULY 2023



WORKING FOR CLEAN AND HEALTHY LAKES

From Your LPA President: *Scott Ross*



Greeting Lake Poinsett Members,

Many of you have already seen the messages on Facebook and the E-letter the association has sent out referencing the use of Golf Carts around the lake.

The message below was sent out from the Hamlin County Sheriff's Office on 24 May 2023:

"Golf carts operating on public roads are illegal by state law, except where municipalities have ordinances allowing permits to be issued for operation on city streets only (cannot be driven on state, township, and county roads). Lake Poinsett is NOT a municipality, which means under state law, golf carts cannot be operated on any public road."

The LPA had a resident provide the board with detailed information after speaking with the Sheriff, unfortunately since Lake Poinsett is not a municipality we fall under the state guidelines. The LPA is still researching to see if any other alternatives are available.

Please follow the current state laws concerning the use of golf carts. This is not just a Lake Poinsett interest item this is throughout the state for areas that fall under a municipality.

Access the state's Golf Cart Law and the Sheriff's message on our website's homepage

ATTENTION GOLF CART OWNERS!

Golf carts operating on public roads are illegal by state law. [Read more about the law.](#)

www.lakepoinsett.org/

Rick's Regatta

LAKE POINSETT SAILING ACADEMY

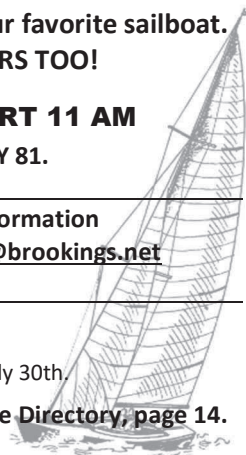
Spectators, come and cheer on your favorite sailboat.
BRING YOUR BINOCULARS TOO!

SATURDAY, JULY 29TH START 11 AM
SORENSEN'S BEACH, off of HWY 81.

For Racing Registration Information
contact Clark Perkins clarkdeb@brookings.net
(605) 691-9130.

If threatening weather conditions exist,
the regatta may be postponed to Sunday, July 30th.

See Rick's Regatta Ad in LPA's 2023 Lake Directory, page 14.



How is Our Water Quality Data Used?

With concern for controlling water pollution the **CLEAN WATER ACT (CWA) of 1972** was passed by congress as the Federal law regulating the protection of the nation's water. The CWA aims to prevent, reduce, and eliminate pollution in the nation's water.

The CWA mandates the Environmental Protection Agency (EPA)—along with the states—to monitor the quality of U.S. lakes, rivers, and streams and identify those not meeting water quality (WQ) standards. Every two years the DANR reports the status of SD's waters to the public and EPA in the *Integrated Report for Surface Water Quality*. (see <https://danr.sd.gov/OfficeOfWater/SurfaceWaterQuality/waterqualitystandards/integratedreports.aspx>)

To help safeguard our lakes from increased pollution, and protect public health and wildlife habitat, LPA volunteers take water samples from Lake Poinsett and Lake Albert. These samples are shipped overnight to the state lab and provide important lake data for the SD DANR. This data determines if our lakes meet federal water quality standards and are classified as:

Impaired – not meeting WQ standards
Unimpaired – meeting WQ standards

To address water bodies that are impaired the EPA and states are required to create a Total Maximum Daily Load (TMDL) report. (see <https://danr.sd.gov/Conservation/WatershedProtection/TMDL/default.aspx>). Water quality data collected by volunteers would also be used to help create the TMDL report.

A TMDL report quantifies sources of pollution and documents how much each pollutant source must be reduced for the waterbody to meet water quality standards. The reports include recommendations on how to achieve those pollutant reductions.

The **2022 SD Integrated Report** classified our lakes as:

Lake Poinsett's water is currently classified as impaired for:

- *E. coli* – needs a TMDL if impairment persists
- **Chlorophyll-a** (Nutrient TMDL published in 1996 addressed chlorophyll-a)
- **Mercury in Fish Tissue** (Statewide Mercury TMDL published in 2015)

Lake Albert is classified as impaired for:

- **Chlorophyll-a** – needs a TMDL
- **Mercury in Fish Tissue** (Statewide Mercury TMDL published in 2015)

Lakeside

NEWSLETTER

EDITORIAL TEAM

Gina Pantzke
Candy Van Dam
Deb Eisenbeisz

PRINTING

Borns Group, Watertown

COVER PHOTO

by Lori Ree - West Lake Drive -
of her grandson, Jack Stork.

The Lakeside Newsletter is published May, June, and July for LPA members. Its primary purpose is to provide reliable information and help build knowledge to address challenges for our lake.

Our mission is to preserve the health and beauty of our lake for future generations.

Board of Directors

President, Scott Ross – NE Lake
Vice President, Mark Wolff – NE Lake
Treasurer, Rod McGinnis – West Lake
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Tonya & Shannon Grismer – NE Lake
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Mark Kelsey - SE Lake
Candy Van Dam - NW Lake
Alan Dixon - South Lake

CONTACT US

- To advertise as Business Sponsor
- To submit photos or articles
- For questions and concerns
directors@lakepoinsett.org

Membership, Lake Directory,
Address Changes
membershipLPAsd@gmail.com

MAIL

Lake Poinsett Association
PO Box 222
Lake Norden, SD 57248

LPA WEBSITE

<https://www.lakepoinsett.org/>

LPA FACEBOOK

Like, Comment, Share, & Interact



Have a lake-related question you'd like an answer to?

Email it to us at directors@lakepoinsett.org

QUESTION:

How does Lake Poinsett's size compare to other South Dakota lakes?

ANSWER:

We found how Lake Poinsett compares to the 10 Biggest Lakes in South Dakota. Enjoy the facts.

<p>#10 Shadehill Reservoir</p> <p>A 4,693-acre reservoir on the Grand River in Perkins County. Max. depth of 62 ft.</p>	<p>#9 Lake Kempeska</p> <p>An inland glacial lake with a surface area of 5,250 acres. It is entirely within Codington County. Max. depth of 16 ft.</p>	<p>#8 Lake Poinsett</p> <p>Lake Poinsett spans nearly 8,000 acres, and lies in Hamlin and Brookings Counties. Is also one of the most popular. Max. depth of 22 ft.</p>
<p>#7 Lake Traverse</p> <p>The 11,528-acre lake is located on the border between Minnesota and South Dakota. Max. depth of 15 ft.</p>	<p>#6 Big Stone Lake</p> <p>A freshwater lake of 12,610 acres on the border between western Minnesota and South Dakota. Max. depth of 16 ft.</p>	<p>#5 Bitter Lake</p> <p>Beautifully located in Day County it covers 15,000 acres. Max. depth of 24 ft.</p>
<p>#4 Lake Thompson</p> <p>Located in Kingsbury County. It is 16,236-acres and a depth of 26 feet.</p>	<p>#3 Lake Sharpe</p> <p>One of the state's largest reservoirs, it spans five counties and has a surface size of 56,884 acres. Max. depth of 77 ft.</p>	<p>#2 Lake Francis Case</p> <p>It's the second-largest lake with 102,005 acres and lies within the counties of Charles Mix, Gregory, Lyman, Brule, and Buffalo. In the U.S. it's the eleventh-largest reservoir. Max. depth is 140 ft.</p>
<p># 1 Lake Oahe</p> <p>With 369,917 acres and a maximum depth of 205 feet, it's the nation's fourth-largest reservoir, stretches from South Dakota into North Dakota.</p>		

Most Top 10 Best South Dakota Lakes Lists include our beautiful Lake Poinsett. YES! Let's yell it across the water, "I'M LAKE PROUD!"

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Part 3 of 3

LAKE POINSETT'S NAMESAKE: *The Expedition of 1838*



In 1838, Joseph Nicolas Nicollet and John Charles Fremont led a surveying expedition into the great prairie region between the Missouri and Mississippi rivers that is now Minnesota, North Dakota, and South Dakota.

They were to create a map including all landmarks, waterbodies, prairie, woods, hills, and vales. Nicollet's resulting map of the area was extraordinarily accurate for its day, and remains a monument of achievements to western explorers.

They gave Lake Poinsett its name in honor of Joel Roberts Poinsett, Secretary of War.

John Charles Fremont 1813-1890

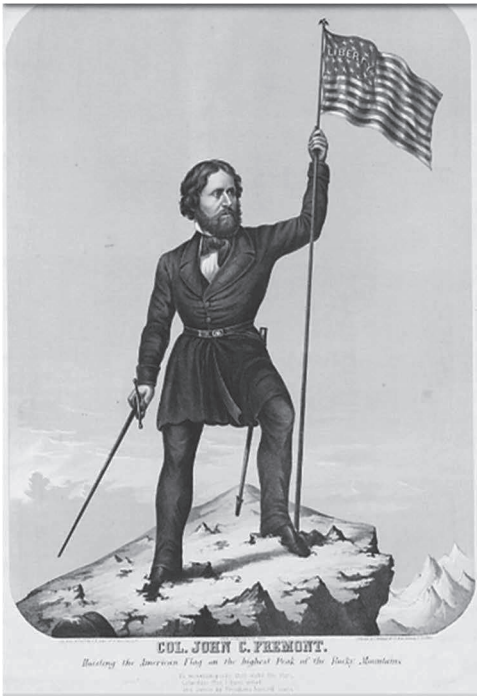
Already good friends, Secretary of War, Joel R. Poinsett was instrumental in assigning Fremont the assistant position with the accomplished scientist Joseph N. Nicollet. Again, Poinsett used his influence to help Frémont obtain a position and rank as a second lieutenant in the U.S. Corps of Topographical Engineers.

With the surge of settlers moving into the western frontier there became a great demand for maps and roads. The US Corps of Topographical Engineers refers to a small branch of handpicked officers in the U.S. army trained in mapping and surveying skills. They played a key role in the exploration of the American West and dispelling geographical myths.

Fremont accompanied Nicollet on two expeditions of the upper Mississippi area in 1838 and 1839. Under Nicollet's leadership, Frémont gained valuable hands-on experience. He became a first-rate topographer trained in astronomy, geology, collecting, preserving, and describing fauna, flora, documenting soil conditions and water resources, and the necessity of wilderness survival.



Fremont and Nicolet named geographical spots, some in honor of Washington friends and sponsors: Lake Poinsett, Thompson, Whitewood, Preston, and Abert (later changed to Albert).



Fremont led five expeditions between 1842-1853 into the American west and continued the scientific work collecting specimens and mapping as requested by Joel Poinsett.

A series of seven maps were produced from Fremont's first expedition in

1842 depicting the entire length of the Oregon Trail. Fremont gave his wife, Jessie Benton Fremont (a bright and talented writer) his notes along with his own vivid stories, she helped turn scientific data into readable narrative that sparked a romance with the American West and its dashing explorer. These were published by the Senate in 1846 and served as a guide and source of inspiration for thousands of American settlers heading to Oregon. Frémont became known as "The Pathfinder" and was regarded as a national hero.

John Fremont's dynamic and controversial life was full of highs and lows. After his adventurous accomplishments as a western frontier explorer, surveyor, and map maker he was also a two-time Republican presidential candidate, California Senator, U.S. Army General, governor of the Arizona territory, was court-martialed and convicted of mutiny and insubordination, became a millionaire during the Gold Rush, then lost it in bad investments, declared bankruptcy, and was destitute when he died.

After her husband's death Jessie fought the literature writers' over their degrading written opinions of her husband as a reckless, glory-seeking filibuster. She worked to identify John's legacy as bold, brave, passionate, and faithful, the sort of qualities Americans looked for in their heroes.

Places and items named in honor of John Fremont are numerous from plants, counties, cities, towns, mountain peaks, a river, an island, hospitals, libraries, schools, postage stamps, a campground, bridges, and streets.

1ST ANNUAL

LAKE POINSETT ASSOCIATION



18 HOLE GOLF TOURNAMENT

SATURDAY, AUGUST 12TH
8 AM SHOTGUN START

TEAMS OF 4
DEADLINE TO REGISTER
MONDAY, JULY 31

LAKE REGION GOLF COURSE
605.983.5437

FOR MORE INFORMATION CONTACT:
WALLY 605.321.5686
JOEL 612.270.9227

REGISTRATION BEGINS 7 AM
TOURNAMENT START 8 AM
LUNCH & PRIZES FOLLOWING

VIEW ONE OF THE BIGGEST METEOR SHOWERS OF THE YEAR – the PERSEIDS (*Per-See-ids*)

Peak nights - August 11-13.
About 50 meteors per hour

TIPS for Best Viewing

- The darker and more open sky the better.
- Watch after midnight but before sunrise.
- Look towards northeast in the sky.
- View before moonrise to avoid moon glare.

Grab a snack, blanket, and your loved ones
to make a memory watching the
Perseids Meteor Shower together.

JULY is Lake Appreciation Month!

A scenic lake is something we all hold dear; be part of maintaining that beauty by joining us in clearing away litter from shoreline and public lake accesses July 8th.

JOIN US TO KEEP OUR LAKE TRASH FREE

BEACH TRASH BASH



Saturday, July 8th

Prestrude's Lake Access, 10 AM

Enjoy juice and donuts before we start.



Trash bags & plastic gloves will be supplied.

We'll clean Prestrudes, Hammer's Beach, Saaranen, and Sorenson too.

Help as much as you can.

Lake Poinsett Association



Saturday, August 5th

at ABR's Boathouse

9AM - 10AM

Join your lake neighbors • Learn the latest in our "Healthy Lake" Progress • Financial Update • Director Election • and other issues of Interest to the membership.

- Door Prizes -

A healthy lake is a team effort.

Be Lake Smart JULY TIP

We can make a difference for our lake by following **Be Lake Smart Tips** - which are science-based clean lake practices.



Septic systems are an important part of a home's infrastructure, and proper maintenance is essential to prevent system failure and costly repairs. Here are some septic system care tips:

1. Regularly pump the tank. Experts suggest pumping every 3 to 5 years, depending on the size of the tank and the number of occupants in the home. Regular pumping helps prevent solids from building up and clogging the system.
2. Be careful what you flush. Only human waste and toilet paper should be flushed down the toilet. **Never flush items like** baby wipes, feminine hygiene products, or paper towels, as these can clog the system.
3. Watch what you pour down the drain. Chemicals like bleach, drain cleaners, and antibacterial soaps can kill the beneficial bacteria that break down waste in your septic system. Avoid pouring these chemicals down the drain and opt for natural cleaning products instead.
4. Conserve water. Too much water can overload the system and prevent it from functioning properly. Fix any leaks and avoid using too much water at once, such as doing multiple loads of laundry in a single day.
5. Maintain the drain field. Keep trees and shrubs away from the drain field to prevent roots from damaging the system. Also, avoid parking cars or heavy equipment on the drain field, as this can compact the soil and reduce the system's effectiveness.
6. Schedule regular inspections. A professional septic system inspection can help catch any problems before they become major issues. Have your system inspected every 3 to 5 years.

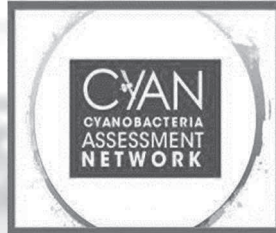
By following these septic system care tips, you can help ensure the longevity and effectiveness of your system, while avoiding costly repairs and potential health hazards.

WHEN GOOD ALGAE GOES BAD

Satellite's Cyanobacteria Imagery Detects Harmful Algae Blooms

Your LPA is working with the state in identifying and reporting water quality issues that may harm aquatic, animal, and human health.

Helping us identify Harmful Algae Blooms (HABs) in our lakes is Josh Strobel, Environmental Scientist and HAB's Coordinator of the South Dakota DANR Water Protection Program. He has introduced us to a new water quality monitoring tool: the **CyAN Web** – an experimental computer app that uses satellite imagery data to detect cyanobacteria (Harmful Algal Blooms) in waterbodies. It was developed for water quality managers to quickly access data without requiring computer programming expertise.



CyAN's beneficial information allows us to:

- View the cyanobacteria bloom locations on our lake.
- Measure the bloom's size.
- Record the level of estimated cyanobacteria.
- Track the frequency of occurrence.

How does the CyAN web app work?

On a phone or desktop computer our authorized volunteer can view the satellite's images of our lake. It identifies the color differences of algae pigments in lake water and measures the amount of cyanobacteria as cells. An estimated cell count is provided as cells per milliliter. The satellite collecting data is the European Space Agency's Copernicus -Sentinel. It updates images every 2-3 days.

CyAN is the abbreviated title for Cyanobacteria Assessment Network – a multi-agency project developed by the: EPA, NASA, NOAA and USGS. Their goal was to produce *"an early warning indicator system to detect algal blooms in U.S. freshwater systems."*



For more information: <https://www.epa.gov/water-research/cyanobacteria-assessment-network-cyan>

What should I do when I see a Harmful Algae Bloom?

The first, and most important action you can take is to protect people, pets, and livestock by ensuring they stay out of the water.

WHEN IN DOUBT, STAY OUT!

It is impossible to tell if an algal bloom is producing toxins without testing it, so the safest course of action is to exercise caution.

You can contact South Dakota's DANR to report a potential harmful algal bloom:

Email DANRMail@state.sd.us
or call 605-773-3623.

For more information on HABs:
<https://danr.sd.gov/Conservation/WatershedProtection/HAB.aspx>

A CALL FOR

LPA Director nominations

Go the Extra Mile!

Help shape the future of your lake!

Sign-up yourself (*absolutely go for it*) or nominate another by the end of July.

Email your interest: directors@lakepoinsett.org



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GARDEN SHED CONSTRUCTION

DOORS, WINDOWS & SIDING INSTALLATION

LPA EVENTS 2023

Check our LPA Website for more event information.

July 8th **BEACH TRASH BASH**
Meet at Prestrude's Public Lake Access
10 AM


Aug. 5th **LPA ANNUAL MEETING**
9 AM – 10 AM @ ABR's Boathouse

Aug. 12th **Lake Poinsett Association -
1st Annual GOLF TOURNAMENT**
Lake Region Golf Course
Shotgun Start 8 AM

DISCLAIMER: The LPA's newsletter is provided by dedicated volunteers as a service to our readers. Information is compiled from many sources and assumes no responsibility or liability for errors or omissions. While we work to provide the most correct and timely information, there are no guarantees of completeness and accuracy.


Be curious! See the great things we're doing and why our mission unites us.

VISIT OUR
LPA
Website



It's your first-stop resource, with information and links to Events, Activities, Lake Info, County, State, Permits, Zoning, Healthy Lake Habits, and more.

LPA's Website Scan QR CODE



<https://www.lakepoinsett.org/>

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