

Lake Murray



Association
The Voice of Lake Murray

Lake ≈ Link

*The Official Newsletter of the
Lake Murray Association, Inc.*

www.lakemurrayassociation.com ■ (803) 749-3888

Fall 2021

In this Issue

State of the Lake, Dave Landis

Tribute to Jim Landreth

Nuisance Weeds, Buffer Zones-Billy Chastain

Fogging, Freezing, Corrosion, Fuel,

Mike Kirk

Environmental Water Testing update,
Jim McGrath

4-H2O- Stephen Phillips

Legislative, Lee Ayers

State of the Lake by Dave Landis, President



I would like to thank our membership for their patience as the Board of Directors is going through another transition. We wish our Treasurer Lisa Early and her husband Jim our best as they complete their relocation to Florida. Thank you for your hard work keeping our finances in order these past few years.

We have hired CPA Len Lesslie, Irmo, SC, to do our bookkeeping. Welcome aboard Len.

We wish Diane Urban the best as she had to step away from the Board because of her increasing job responsibility. Diane oversaw our Facebook and web page activity. Not an easy task. I still rely on her from time to time to get me out of an editorial jam.

Director Jim McGrath, Environmental Chair, is overseeing the web page until we can find a replacement. We are currently looking for someone who would like to take responsibility for our Facebook page as well.

We would like to welcome Daniel Ashley, Chris Osborn and Linda Le Febvre to our board. If others in our membership are interested in serving on the Board of Directors, please contact me or any of our Board members.

We are now on the verge of not being able to hold a public meeting for nearly two years. Going into this summer, we felt that a September public meeting was a good possibility but it didn't work out that way. We will be monitoring the "Covid" numbers to see if November looks possible. We will get the word out once a decision is made.

We have been in discussions with Dominion Energy SC about Shoreline Management as well as housing density in Lexington County. More information will be forthcoming.

Our Water Sampling Program has continued and the results are posted in the newsletter.
Stay safe and we'll see you on the lake.

Dave Landis

Letter to Jim Landreth

Lake Murray Association wishes Jim Landreth, Vice President of Power Generation for Dominion Energy South Carolina, a Happy Retirement. This past spring Jim opened a new chapter in his life...that of retirement.

Jim has been with SCE&G and then Dominion Energy for 21 years. Through his professional leadership he has done much for the Lake Murray community and the surrounding communities. He was only here 2 years when the company built the backup dam that won the Opal Award and the Award of Excellence.

Over the years through his professional leadership Jim has encouraged his team to deal with the issues that came up in a respectful and professional way. Every year LMA has 4 public meetings around the lake and Jim has attended every one. He has answered every question asked of him always in a truthful and straightforward manner. He has often met with members of the LMA board in his office or in our meeting place to understand LMA's position and for members to understand his. We always found any problem we had was going to be looked into and solved to the best of his ability.

He has been a blessing to this community and to the Lake Murray Association. His leadership and friendship will be missed.

With Great Appreciation,
LMA Board of Directors

Legislative Items of Interest to Lake Murray Association

By Lee Ayers, Vice President

There are a pair of bills, S497 and H3103 that if passed will require individuals, born after July 1, 2006, to complete an approved boating safety course. This law, if passed, will finally begin requiring that boat operators receive basic safety training. All persons born before the above date will be exempted from the requirements of the bill. There are also several other exemptions. The Senate bill has passed the Senate and now resides in the House Judiciary Committee. The companion House bill also sits in the House Judiciary Committee. Please proactively contact your statehouse representatives asking for the support and passage of this great enhancement to boating safety.

Expanded distance for No Wake operation H3308- proposes to increase the No Wake distance from 50 feet to 100 feet from certain objects such as docks, piers and wharfs, as well as anchored and moored boats and persons in the water.

If passed, this will improve safety and reduce damages. Please ask your Representatives and Senators to support this legislation.

Both of these bills are continued from the close of 2021 legislative year. They will continue and taken up again in 2022 at their current status of passage. Help us to improve boating safety on Lake Murray and other waterways.

DOMINION BILLY CHASTAIN,

Manager of Lake Management/Parks and Recreation for Dominion Energy SC writes:

Nuisance Weeds: We are going to conduct a normal winter draw down this year (354-355 ft.) This will help with some of the shoreline weed control.

We are also continuing our efforts by purchasing 3000 grass carp this year (1500 March, 1500 October)

Buffer Zone Issues: We are in the process of inspecting the buffer zones on Lake Murray which belong to DESC. We are finding many violations of the allowable use of the DESC Property. Some of the violations we have seen include walkways comprised of gravel, stone, brick, or manufactured pavers. The only material we allow to create a walking path from private property is natural mulch or pine straw. We are also noticing stone patios, fire pits, decks/patios extending from the rear of homes, irrigation systems among other less rampant issues.

In the event DESC Lake Management determines a violation has occurred, a letter will be mailed to the owner of the property on or in front of the violation alerting the property owner to the violation and the requirement to correct it.

Summary of Prohibited Structures/Activities

The following summary includes activities/structures which are prohibited below the 360' or in the vegetative buffer zone on Lake Murray. Some items are discussed in detail above. All prohibitions will be enforced by Dominion Energy or an appropriate state or federal agency:

- a. *Encroachments: no sand or earth fill encroachments. Any unauthorized earth fill or structures that occurred prior to January 1, 1984, will be handled on a case-by-case basis.*
- b. *No fixed or land-based structures. Examples include but not limited to: boathouses, storage buildings, shelters, playhouses, patios, stone fire-pits, brick barbeques, stone walking paths (includes brick, pavers, gravel), swimming pools, boat storage etc.*
- c. *No seawalls or retaining walls below the 360' contour or on Dominion Energy property.*
- d. *No fences.*
- e. *No septic tanks and/or drain fields.*
- f. *No storage or stockpiling of construction material.*
- g. *No unauthorized removal of trees or vegetation.*
- h. *Unless specifically authorized by Lake Management personnel, no all-terrain vehicles (ATV's), motorcycles, golf carts, or off-road vehicles are allowed.*
- i. *No roofs or covers over any dock unless the roof is within 16 feet of the 360' and approved.*
- j. *No roofs or covers over any boat lifts.*
- k. *No fueling facilities permitted on docks.*
- l. *No permanent mooring.*
- m. *No watercraft exceeding 34 feet in length will be permitted to be permanently docked at a private dock.*
- n. *No effluent discharges, such as sinks, showers, toilets, etc.*
- o. *Permanent screening or enclosures will not be allowed on fixed seating areas of docks or gazebos.*
- p. *No upland (located above the 360') water gardens (e.g. fish ponds, waterfalls, etc.) will be permitted to drain into the lake.*
- q. *No spraying of herbicides into or in the immediate vicinity of Lake Murray.*

r. Dock lighting should be focused downward and should not intrude on adjacent property owners or in any way impact navigation

Care of Boat & Winterizing- Capt. Mike Kirk

Corrosion in the Marine Environment

The marine environment your boat operates in is very harsh, even in fresh water.

The temperature extremes, constant moisture & humidity and the ever present degrading of materials due to time & old age all contribute to corrosion.

What is affected:

The paint protecting both cast iron & aluminum parts is "bubbled up" & flaked off of the metal from corrosion under the paint surface. This causes a loss of protection & exposes these parts to RAPID deterioration. Fasteners & bolts seize up causing extreme problems for whomever is working on your boat & this costs you a lot of down time & money you don't have to suffer!

Electrical components, wiring & connectors all corrode & stop working if not protected from corrosion that you sometimes cannot even see. Open circuits result & even worse is low voltage on a critical circuit. Your expensive GPS, Fish-finder & Chart-plotter equipment is designed to operate within a band of voltage to be safe & protected by fusing. Low voltage from corrosion will not blow a fuse but will cause overheating & circuit board failures so it must be prevented.

What can I do?

Even if you do not "work" on your own boat, there are simple steps you should take for its protection. You can do these yourself with minimum time & expense involved.

Purchase some Boeshield T-9 corrosion protectant. It was designed by Boeing for critical wiring & metal corrosion protection. It is a waterproof wax that goes on wet & dries to a durable surface repelling water & contaminants. This product is my first choice but there are, of course, others available. In a pinch you can even use WD-40 though this falls into the better than nothing category.

How do I do it?

Remove protective covers & spray down a good coat on painted surfaces, wiring connection & components as well as fuse / breaker connections & wire terminals. This protection lasts all year & should be repeated with winter layup. **STAY AWAY** from timing belts & drive belts. No good purpose is served by "lubricating" these parts.

Get under your dash / console & protect the electrics there as well. The back side of gauges & any corrosion prone fasteners will appreciate the help also.

This protection is quick, easy, safe & cheap. What are you waiting for? Your boat & your pocketbook will be glad you did!

Fogging

An engine stored outside is subject to the normal ups & downs of temperature swings which in our location can be quite drastic.

Water condensation will form on internal engine parts just as it does on the outside of your iced tea glass with this change in temperature. Left to have its own way, this condensation causes rust & corrosion. BAD!!

An engine stored without fogging can lose 3% to 5% of its efficiency every year. This is a high price to pay considering the expense involved to repair it.

ALL marine engines not stored in a temperature controlled environment should be fogged as a part of their winterizing procedure.

There are now many different types of marine engine applications & they are fogged differently.

1. Older outboards or I/O engines can be fogged directly into the air intake per the instructions on the fogging oil can. Don't try this on multi- port fuel injection or engines with sophisticated ECM controls. Various sensors will not like it & will respond by costing you lots of money!!

2. Multi-port fuel injected engines as well as the new four stroke outboards should be fogged through their own fuel system with a "cocktail" of chemicals that will prevent rust & corrosion but will not foul sensors & set service codes.

3. Fuel injectors themselves are hardworking little units that don't get enough attention because they work so well. The fuel additives I have mentioned as well as the fogging cocktail will prevent "sticktion" & clean out deposits from the laser plate in the injector. Injectors have metal to metal clearance of 1 micron. There are 24 microns in .001 of an inch.

We all enjoy the power & fuel economy the four stroke injected engine gives us but remember this: the ECM controls are programmed to supply the minimum fuel needed for a stoichiometric mixture. They run on the ragged edge of being too lean. Stale fuel & injector deposits tip you over the line & cause the powerhead to blow up.

"I was just running down the lake when it made a big noise & stopped running for no reason at all!"
Nothing happens for no reason at all; perhaps just no apparent reason.

Freezing

Winterizing consists of preparing your boat for cold / freezing weather to prevent damage from freezing.

Outboards are self-draining but should always be stored with the engine straight up & down to prevent rain entry into the lower unit which can freeze & crack the housings.

Fresh water systems in boats having them should be thoroughly drained / blown out & have marine / RV grade antifreeze installed. Don't forget the water line & fittings as this is where most of the damage will happen. Larger boats with air conditioners, heads, showers or generator sets must also be drained & protected with antifreeze.

I/O, Sterndrive & Inboard engines must be warmed up, fogged properly then drained of water completely. Air does NOT freeze.

I do NOT favor the anti-freeze tanks used to inject anti-freeze into a warm engine. This process is a gamble at best & disastrous at worst. The anti-freeze in the tank is cold & when the switch over is made from water to the tank the first place it goes is into the thermostat housing. The thermostat closes & begins to "bypass" coolant. You see the nice pink anti-freeze coming out & assume the engine is filled with it as well.

Maybe it is. Maybe it's NOT. Don't gamble on it with your engine & manifolds. These castings are very thin thanks to CAD / CAM & it doesn't take much to break them from freezing OR overheating.

The only time an injection system must be used is when it is not possible to access drain cocks or get raw water out of the cooling system in any other way. I say again "Air Won't Freeze!"

Fuel:

E15 is here - do NOT use it in your marine engine.

E10 is quite common. Use it if you must but take precautions.

Fuel stabilizer - use it ALL the time with every gallon of fuel you buy. Refined petroleum spends its entire shelf life trying to revert back to crude oil. In years past a barrel of crude produced 50% gasoline - 20% diesel fuel with the remaining 30% going to lighter fluid etc. on the light end & road tar on the heavy end. Today a barrel of crude (lesser quality) is cracked & re-cracked until it is 95% gasoline. To make it even worse it's extended with ethanol. This fuel will not store, keep or retain the requirements of the legal minimum to be sold as gasoline for very long.

In as little as 30 days the fuel loses its "suds" & becomes damaging to your engine.

Fuel stabilizer will keep fuel good for as much as 2 years.

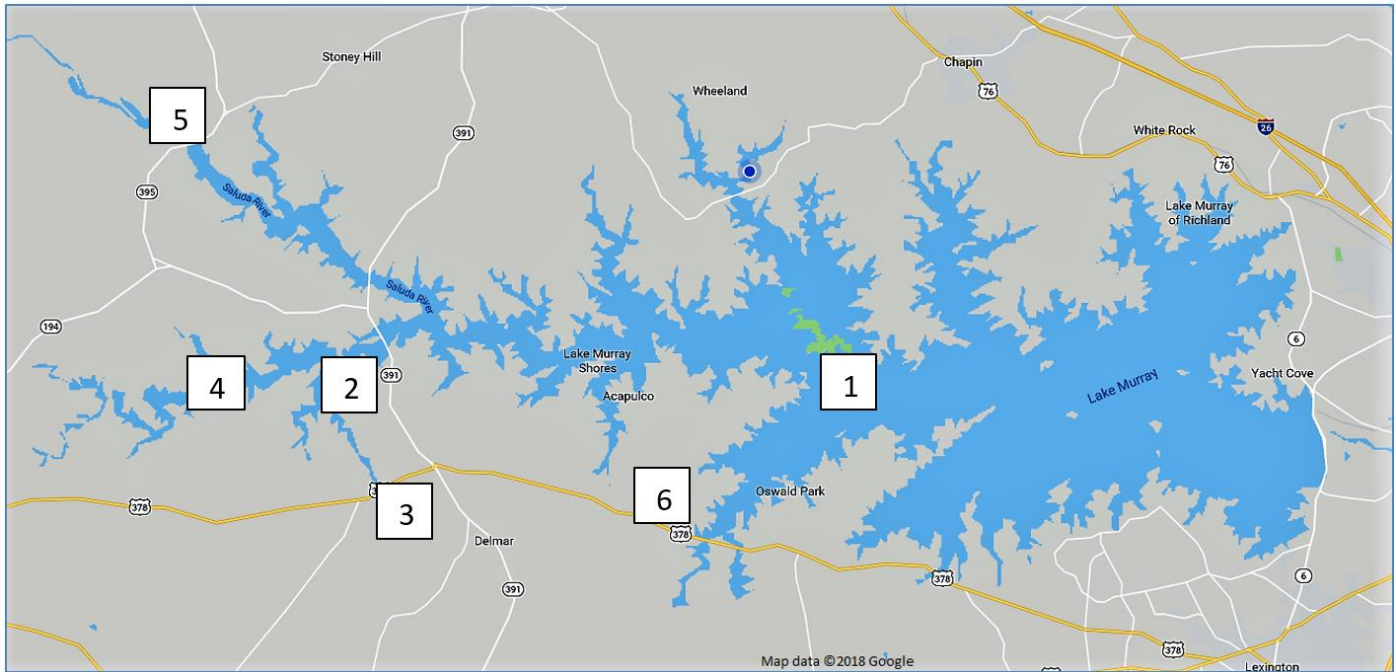
NO PRODUCT will bring bad fuel back from the dead!!! If your fuel has decomposed, get it pumped out & dispose of it properly. Replace filters and/or fuel lines & start again with fresh gasoline.

Yamaha Ring Free is an excellent synthetic product used as a fuel additive to prevent carbon formation in the intake systems & under piston rings,

Replace fuel filters & inspect the entire fuel system annually.

2021 Environmental Water Testing

by Jim McGrath, Environmental



Location

E. Coli Levels

Phosphorous Levels

		March	May	July	Sept	Nov		March	May	July	Sept	Nov
1	Dreher Island	Low	Low	Low	Low			Low	Low	Low	Low	
2	Clouds Creek at Mount Willing Rd. Bridge	Low	Low	Low	Low			Moderate	Low	Moderate	Low	
3	Clouds Creek at 378 Hwy	Moderate	Low	Low	Low			Moderate	Low	Moderate	Low	
4	Little River Landing	Low	Low	Low	Low			High	Low	Moderate	Low	
5	Kempson Bridge	Moderate	Low	Low	Low			Low	Low	Low	Low	
6	Ridge Road Bridge	Low	Low	Low	Low			Low	Low	Low	Low	

So far this year we have tested the waters of Lake Murray three times as shown in the chart above. The results of these tests have been good. If you would like to see what is involved in testing the lake you can go to the Lake Murray Association web site. Click on **Resources** and then click on **Water Quality** (<https://www.lakemurrayassociation.com/water-quality.html>). Here you will find a description of what is involved in testing the lakes waters. While you are at the web site take a look at all the other information that is there.

4 H₂O – Another Boating Education Opportunity

Stephen Phillips

The Lake Murray Association in cooperation with the Clemson Extension Agency and the 4H Club provide a one week summer camp for kids 11-14 years old. The program is called 4H₂O. The kids meet at the Lake Murray Park next to the Lake Murray dam for one week of education on water safety, science and conservation which includes two days on the water.

Three pontoon boats are provided by Lake Murray Association members and carry the kids to several on the water locations. At the first stop the Lexington County Sherriff's Department demonstrates a fire boat which includes a 750 GPM water cannon. The kids get to control the fire nozzle from a fine fog to a direct stream. Usually someone gets sprayed which increases the fun. At the same stop, Sea Tow shows how they safely tow boats and describe several rescue situations including diving for a boat sunk by accident. The Coast Guard Auxiliary provides a good demonstration of boating safety and life jackets.

Another stop is a tour of the West Columbia Water Treatment Plant that processes 24 million gallons/day of Lake Murray water made safe for drinking. It includes a tour of their laboratory where samples are analyzed to ensure each step in the purification process is operating as designed.

At several locations along the route we stop to take lake water samples and measure pH, temperature, and dissolved oxygen. One sample at each location is cultured to see what bacteria are present. Microscopic examination of the samples occurs later in the week.

The most popular stop is Sandy Beach where the kids enjoy lunch and the most popular part of the day, swimming. In addition, South Carolina DNR demonstrates their fish shocker boat which allows them to determine the health of fish in the area. They tell the kids that alligators do not respond well to shocking. The kids get to see local fish that have been collected in the cove where we are stopped and they help in the release of the shocked fish.

Each kid gets an opportunity to pilot the pontoon boats under the direct supervision of the boat captain.

Each of the boats receives a vessel safety check at the beginning of the day courtesy of the Dreher Shoals Power Squadron. This popular activity is sold out each year to kids in the Columbia/Irmo area. Your SEO has been a volunteer captain for the last five years.

Meet our Corporate Members

Please support our Corporate Members by using the services and recommending them to others.

Asa Safety Supply

770-277-1033

richardw@ASAsafety.com

Agnew Lake Service

Norman Agnew: 803-781-0399

www.agnewlakeservice.com

AquaFun Boat Rentals & Tours

803-413-1693

aquafunboatrentals@gmail.com

Bio Gator

803-749-1140

Wallace Hubbard www.biogator.net

Upgrading Septic Systems

California Republic

803-608-5033

3072 Hwy 378, Leesville, SC 29070

Captain's Choice Marine

803-532-2270

www.ccmarine.com

Carolina Outdoor Adventures

803-381-2293

www.outdooradventures.com

Carts Plus

803-359-5505

1824 Northlake Dr Lexington SC 29072

Chapin Rotary Club

Box 5208 Chapin SC29036

Duncan Docks & Decks

803-556-3242

936 Wildwood Circle, Leesville, SC 29070

First Citizens Bank-Ballentine

803-781-5808

Box 297 Ballentine SC 29002

Fulmer Heating & Cooling

803-673-6807

626 Nance Street, Newberry, SC 29108

Huggins for House Dist. 85

803-732-4418

308 Wayworth Ct, Columbia, SC 29212

JP & Associates Realtors Magnolia Group

Nancy Nelson: 803-331-0635

Jake's Landing

www.jakeslanding.biz

803-359-9268

Johnson & Associates Insurance Inc.

www.johnsonai.com

803-250-2088

Kelley-Moser Consulting LLC

803-808-7107

150 Habor Glen Dr, Lexington, SC 29072

Lake Homes Realty

803-580-9399

111 Canting Way, Lexington, SC 29072

Lake Murray Boat Club

Jon Dukes: 803-407-2828

Lake Murray Country

Miriam: 803-781-5940

Lake Murray Cruises (Spirit of Lake Murray)

www.lakemurraycruises.com
803-730-3044

Lake Murray Tire & Automotive

www.lakemurraytireandauto.com
803-345-2610

The Lafayette Team

Debi Lafayette: 803-470-6442
www.thelafayetteteam.com

Mason Team Realty, LLC

Kathy cell: 803-944-6670
Ken cell: 803-924-9834
www.TheMasonTeam.net

Mid Carolina Club

www.midcarolinaclub.us
803-345-6039

PilingGuard.com

www.pilingguard.com
704-616-7114

Pinestraw Place Landscape Supply

Lewis Grady: 803-808-7587
www.pinestrawplacelexsc.com

Pontoon Rentals & Tours, LLC

Ken Hardee: 803-530-371
www.pontoonrentalsandtours.com

Redline Motosports

803-359-2702
131 Beekeeper CT, Lexington, SC 29072

Resource Realty Group

Dustin Johns: 803-758-4444
www.ResourceColumbia.com

Ryan E. Westmoreland CRPC, AAMS, APMA

Financial Advisor, Ameriprise Financial
Services
803-957-1912

Sea Tow Lake Murray

803-957-0664
24hr John Altenberg: 803-606-7027
www.seatow.com/local/lakemurray

Picture your Corporate Name Here!

Corporate memberships are \$100 annually.
Easy online sign up!

Help Wanted

The Lake Murray Association needs individuals who would like to get involved with our organization. We need people with a variety of skill sets, including but not limited to, helping with organizing meetings and events, writing, and simple web site updates.

Lake Murray Association Membership

LMA provides collective representation for individual users on all issues that pertain to the development and management of Lake Murray. We work to foster a community spirit among residents, non-residents, fishermen, boaters and business owners for the good of the lake. When Lake Murray benefits, we all benefit. Our strength is in our numbers. Your involvement helps “The Voice of Lake Murray” grow stronger. Our membership numbers speak volumes to governmental agencies and other groups. Our dues are minimal, but the rewards will be felt for generations.

We encourage everyone to follow us on social media. However, becoming a registered member with our organization boosts recognition and helps support our minimal operating costs to host meetings, publish flyers, etc. Membership also provides us with a means to contact members directly on certain issues. We encourage everyone to join us through our website or contacting us directly.

You don't have to live on the lake to become a member! www.lakemurrayassociation.com

Important Phone numbers- Put on your frig

Lake Levels: 800-830-5253

Lake Murray Information

Dock Permits & Lake Management: 803-217-9921

DNR Information: 803-734-3888

DNR Law Enforcement: after 5 weekends 803-0955-4000

Marine Office: 803-951-2564

Richland Co. Sheriff's Office: 803-576-3000

Lexington Co. Sheriff's Office: 803-359-8230

Newberry Co. Sheriff's Office: 803-321-2211

Lake Murray Association: 803-749-3888

SC Legislative Council: 800-734-2145

DNR Nuisance Animals: 800-922-5431

DNR Nuisance Wildlife Control: 803-734-3886

LMA Officers and Executive Committee

President: Dave Landis

Vice President: Lee Ayers

Executive Director: Joy Downs

Secretary: Nancy Nelson-Embler

Safety: Capt. Mike Kirk

4-H20 Stephen Phillips

Daniel Ashley

Linda Le Fabvre

Environmental Jim McGrath

Web page Jim McGrath

Safety: Capt. Mike Kirk

Meetings: Sue Banks

Membership: Christopher Lykes

Treasurer/CPA Len Lesslie

Chris Osborn

www.lakemurrayassociation.com

“The Voice of Lake Murray”

P.O. Box 495 Ballentine, SC 29002

**Help Preserve and Protect Lake Murray-
Please renew your membership. Expiration
is noted in the lower right of your MAILING
LABEL**