



FOREST COUNTY ASSOCIATION OF LAKES

SUMMER 2017

The purpose of FCAL, Inc. is to facilitate education, research and sharing between organization, governmental bodies and the general public of Forest County to protect Forest County inland water bodies, environs and watershed for now and future generations, including but not limited to: aesthetic beauty, water quality, wildlife habitat and fisheries.

FCAL and Your Lake Property

Protect you Wisconsin Lake Property Values by learning all you can about Aquatic Invasive Species by joining FCAL at our Fall Forum, our Annual Meeting, and our regular monthly meetings.

Please join us for the 25th Annual FCAL Membership Meeting. Come to T-Bob's on Saturday, October 21, 2017 by 4:30 for the business meeting, or come around 5:15 for the social hour, dinner and speaker.

Asian Carp & The Great Lakes

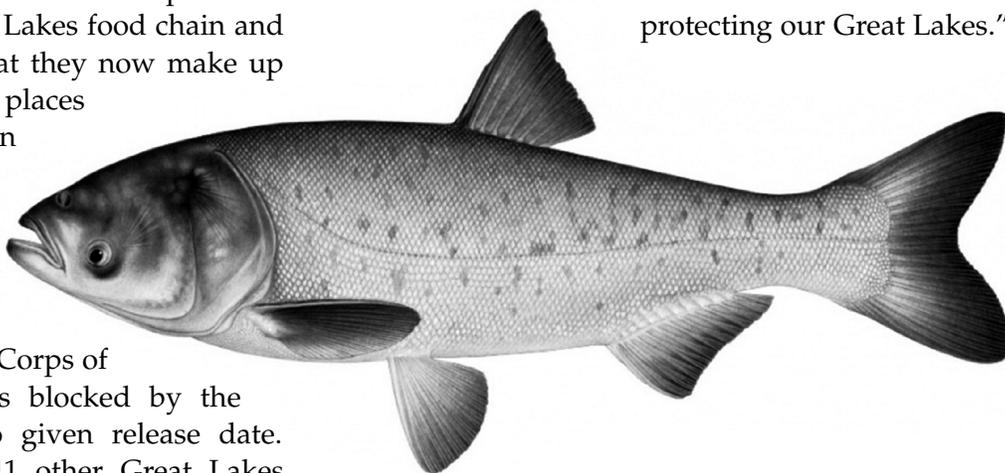
Sources: National Wildlife Federation Feb.-March 2010, Duluth News Tribune 4-11-17

Invasive species have become a growing threat across our continent. Beginning in the 1960s the National Wildlife Federation worked to curb the invasive sea lamprey that was devastating the Great Lakes native trout. It now also works to find solutions to new invasive species such as quagga mussels, alewives, zebra mussels and exotic water fleas. The Great Lakes Water Resources Compact and the Great Lakes Restoration Initiative provided \$475 million to the 2010 Environmental Protection Agency (EPA) to address these lakes' invasive species. More recently, the most potentially damaging threat is the native Asian carp. These voracious fish have spread to within only a few miles of Lake Michigan. Because they can reach nearly 90 pounds, eat plankton to the point of destroying the basis of the Great Lakes food chain and multiply quickly to the point that they now make up more than 90% of the fish in some places in the Mississippi Basin, the Asian carp threaten the ecosystem.

A carp project, an outline of a plan to stop the Asian carp by stopping their progress at a Chicago area lock and dam, was to be released by the U. S. Army Corps of Engineers in February but was blocked by the Trump Administration with no given release date. Senator Tammy Baldwin and 11 other Great Lakes

senators have written a letter to the Trump administration and Budget Director Mick Mulvaney urging them to go ahead with the plan:

"We request the Administration release the U.S. Army Corps of Engineers' draft proposal to prevent Asian carp from reaching and severely harming the Great Lakes. We are concerned by what we understand to be a White House decision to delay and potentially modify this report that has been under development for years. When taken together with the proposal to eliminate all funding for the Great Lakes Restoration Initiative in the fiscal year 2018 budget, delaying the release of this plan to address Asian carp only raises further questions about the Administration's commitment to protecting our Great Lakes."



Continued on Page 2

☞ *Continued from Page 1*

Although there are five species of Asian carp, the bighead and silver carp are of primary concern. Any delays in releasing the valuable information from the Army Corps of Engineers jeopardizes this largest freshwater ecosystem on earth and could have permanent devastating effects on the sport fishing industry, the boating industry, hunting and wildlife enthusiasts enjoyment – not to mention the economic impact to our Great Lakes area.



Eagle Cam

Eagles are a thrill to watch around our lakes. If you want to see them up close and personal, visit Lake Metonga's website at: lakemetongawi.org.

The webcam is refreshed every three seconds.

Did you know?

The human body undergoes remarkable changes every time you go underwater. The heart rate slows and the cardiovascular system shifts gears, allowing people to hold their breath much longer than they can above land.

Did you also know that, even when controlling for all other variables, people who live near lakes, rivers and oceans experience significant benefits in terms of happiness, longevity, and absence of diseases? These are just some of the many fascinating ways that being near, in, on and under water affects people.

Source: WLPConvention 2017 website.

*Take nothing but the memories,
leave nothing but footprints."*

~ Chief Seattle

A Little Bit of Information About the Banded Mystery Snail

By Pat Schultz (Jungle Lake)

Banded Mystery Snails (*Viviparus georgianus* Lea) are considered to be an invasive species in our area. They populate many of our lakes in large numbers and can be seen on rocks and logs on lake bottoms in areas of sand, muck and silt.



Banded Mystery Snails are characterized by distinct horizontal brown bands on their shells. They can grow up to 1.5 inches (height and width) but many of the snails seen in nearby lakes are smaller. They have a very tough plate covering the shell opening which is called an operculum. Life spans are three years for males and four years for females with die offs in early spring after reproduction. Banded Mystery Snails eat diatoms, green algae and fish eggs and are in turn consumed by turtles, fish and crayfish.

Although they can become very dense in lake bottoms, no serious impacts have been noted, but they can host parasites harmful to waterfowl. Attempts to control this invasive species have included manual removal and chemical pesticides. The chemicals have been ineffective due to the snails' thick opecula. No effective biological control agent has been found.

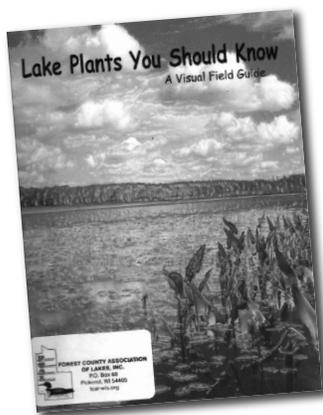
*"Plans to protect air and water, wilderness and wildlife
are in fact plans to protect man."*

~ Steward L. Udal

Letter From the President

by Pam Schroeder

The FCAL year kicks off for me with the annual WI Lakes Partnership Conference that takes place in Stevens Point in the early spring. Since 2016 was my first year as president of FCAL, the conference provided an awesome opportunity for me to learn about the issues common to lake lovers and network with those who have committed themselves to doing something to address these issues. I returned to Forest County with my car packed with books, pamphlets, papers and business cards, and my mind filled with ideas. My favorite “find” was the book entitled Lake Plants You Should Know and my desire to share this book with as many people as possible. At our April meeting, the BOD approved a plan to give this book to all our member Lake Associations and offer it free to all new FCAL members.



We further agreed to give a copy of the book to all area libraries. If your lake has not received it's copy, please let me know by calling 715-473-3803 or emailing me at pschroed0214@gmail.com and I will arrange delivery. If you are a renewing member who would like a copy, please remit \$15 payable to FCAL and send to me at 6601 Fisher Drive, Wabeno WI 54566, along with your contact information. This book retails for \$40 so it is an amazing deal! It is also laminated so you can keep it on your boat and be ready to identify those plants this fishing season. Spring is the best time to spot AIS as they are so hardy they tend to green up first, before the native plants. Early detection offers us the best chance to control!

2016 FCAL Member Lake Associations

Arbutus, Bear, Bishop, Butternut Franklin,
Ground Hemlock, Howell, Lake Julia, Jungle,
Kentuck, Lily, Little Long, Lost, Lucerne, Metonga,
Pickerel Crane, Pine, Roberts, Seven Mile, Silver,
Trump, Whiteye, Windfall

Highlighting Harry

Submitted by Vi Lamers

FCAL is proud to highlight the accomplishments of one of our Board Members, Harry Resch, who has been instrumental in educating the public on the value and need to preserve our waterways.

Harry Resch, an FCAL Executive Board member since 2004, was nominated for the Wisconsin Lake Stewardship Award for 2016. As Dr. Cynthia Edlund, Crandon High School Science Teacher wrote in her recommendation letter, “Harry is an amazing man who gives generously of his time and talents in order to help students attain an understanding of the issues facing our lakes. Harry appreciates the necessity of educating people in order to effectively protect our lakes.”

From the time he bought lake property, he realized the future protection of our lakes, their aquatic ecosystems, the fisheries and the prevention of aquatic invasive species invading lake waters would be in the hands of our youth. “In this interest, Harry was the driving force in organizing and carrying out the FCAL Annual Essay Contest (annually since 2004) for students in grades 5 and 6 in all three Forest County schools focusing on their appreciation and need for stewardship for our waterways.” He, along with Dr. Edlund and Les Schramm, have organized and carried out the “Environmental Day Field Trip” program for high school students from Crandon, Laona and Wabeno schools. At the Field Trip, technical teaching staff present information at six environmental teaching stations including: macro-invertebrates, Eurasian water milfoil and zebra mussels, fish populations survey using shocking technique, multiple invasive species stations, bats role in the ecosystem and boater safety. He is also an active member in the Lake Metonga Association. Thanks, Harry, for all your leadership and hard work.

Upcoming FCAL Events

Saturday, August 19, 2017

Fall Forum starting at 10:00 am
at the Lake Lucerne Association Clubhouse

Saturday, October 21, 2017

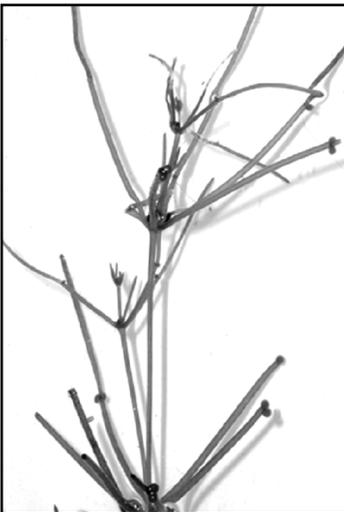
FCAL Annual Meeting/Dinner/Program
at T-Bob's in Laona

Starry Stonewort

Submitted by Les Schramm

University of Wisconsin researchers are becoming increasingly concerned about the invasion of invasive species that are found in Europe and Asia waters and are transported in ballast water of ocean ships from these areas. The ballast water is discharged at shipping ports in the Great Lakes like Green Bay and Milwaukee. Invasive species in these waters are transported by recreational boats and equipment to inland lakes.

An effort was made to regulate the treatment of ballast water on the ships before it is discharged. However the proposal is still pending. Starry Stonewort is an algae that is native to Europe and western Asia that was introduced to North America in the ballast water of transoceanic ships. It looks like a plant but is actually a micro Algae.



Jeroen Huls



Adri van Beem

It anchors itself to the bottom with hair like filaments which act as roots forming a thick mat that prevents growth of native plants. It will grow in 3-20 feet of water and reach up to 2 meters in height. It's been found in Little and Big Muskego lakes, Long Lake, Silver Lake, and Pike Lake in Washington County and could move to northern lakes. Clean Boats Clean Waters inspections are critical to prevent this spread.

Be Alert!

"Nature is not a place to visit. It is home."

~ Gary Snyder

On the Hunt for Invasive Species...

Submitted by Lindsay Peterson, WRISC Coordinator

The Wild Rivers Invasive Species Coalition is a cooperative invasive species partnership operating in northeast Wisconsin and the Upper Peninsula of Michigan. The partnership consists of a wide range of partners and members from local, state, tribal, and federal agencies, land managers, utility companies, civic organizations, businesses, and individuals, all interested in the education and management of invasive species in the five county WRISC area.

WRISC is beginning its 7th year of an organized effort to combat invasive species that threaten the integrity of ecosystems in five counties around the Menominee River.

Lindsay Peterson has taken on the role as WRISC Coordinator and will direct the implementation of several grants:

- Strike Team II from WE Energies Mitigation Enhancement Fund
- WRISC Strategic Management Plan, a Michigan Invasive Species Grant
- Menominee River Trails & Crossings: GLRI US Forest Service
- Weed Management Area Control Grant-Forests: WDNR
- Boatwash/ Education about Aquatic Invasives: GLRI USFS
- And several smaller grants as well!

On the WRISC "bucket list" for 2017: Treatment of invasive species on approximately 100 acres, surveys on 100 miles of ORV trails, 100 miles of river, and at 30 road/stream crossings in the Menominee River Watershed. Clean Boats, Clean Waters efforts will also be conducted at area boat landings across the five counties by the four-member summer crew, who will also be assisting with the ambitious goals aligned for the summer field season.

Upcoming on June 7th is the WRISC Annual Meeting, to be held at the Florence Natural Resource Center. This event is free, open to the public, and is a great opportunity to learn about new invasives and ongoing projects!

Have an invasive species issue? See www.wrisc.org or contact Lindsay at 906-774-1550 x102 or wildriverscwma@gmail.com.

Climate Change and Sustainability

Submitted by Julian K. Faledas, Former Board Member of the UW Eau Claire Student Office of Sustainability

Climate change impacts may seem to be far from here and now, but they are coming faster than many realize. Here, according to The Wisconsin Initiative on Climate Change Impacts (WICCI), we can expect increasing temperatures and altered weather patterns over the next 30-40 years that will strain some of our ecosystems, most notably eliminating the majority of habitat for cold-water fish like trout, allowing increases in pests, diseases, and invasive species, and pushing out major tree species like birch, quaking aspen, white and black spruce, balsam, and cedar. Hotter scenarios would see the same happen to the iconic tamarack, hemlock, white pine, and sugar maple. There are things we can do here in Forest County and Wisconsin to protect our natural resources and prepare for the future. Many organizations work on stopping or slowing the emissions of carbon dioxide and other greenhouse gasses, and others like WICCI focus more on adapting to predicted effects.

Individuals can change any number of small things to lead more sustainable lives and reduce our carbon footprints. The Environmental Protection Agency's Carbon Footprint Calculator can provide an estimate and ideas for reducing yours. We can each consume less (fuel, electricity, meat, plastic, etc.) and make better decisions (buy local and organic foods, choose high-quality products, recycle, etc.). But, for those who may have trouble making such changes or just want to make a bigger difference, volunteering or donating to groups and organizations that work on these issues is probably the single greatest effort we can make. It allows us to pool resources and work for broader changes that make sustainable practices more accessible to everyone, whether it's providing information and resources to local communities, participating in policy or legal advocacy that can affect everyone, or funding research and programs. Some other organizations that cover our area include: the Northwoods Land Trust, Clean Water Action Council, Wisconsin Wetlands Association, Citizens Climate Lobby (a Vilas-Oneida chapter is in the works), Midwest Environmental Advocates, Clean Wisconsin, the Nature Conservancy, and Sierra Club.

"Wilderness is the preservation of the world."

~ Henry David Thoreau

Invasive Food for Thought

Submitted by Mike Henderson

Sautéed Dandelion with Olive Oil, Lemon, and Garlic

washed greens (medium age and size)
olive oil
minced garlic
quality salt like Himalayan Pink
fresh lime

Heat good dollop of olive oil and a bit of garlic in non-stick pan. Once the garlic has become flavorful, add dandelion greens. Cook on medium high 3-5 minutes or until nicely wilted like spinach. Once done sprinkle salt and spritz with fresh lemon. You can eat them plain or on pasta. Also you can add parmesan cheese, capers... or any ingredient you like.

Dandelion Root Tea

Separate, as much root as you can get, from the leaves, stems, and flowers. Rinse the root vigorously under cool running water. Bring one quart of water to boil in sauce pan. Chop dandelion root coarsely. Add 2 teaspoons of the chopped root to the sauce pan, lower heat, and cover. Simmer for about 1 minute. Remove from heat and leave the root to steep for 40 minutes. Strain infused liquid over teapot and enjoy.

Rusty Crayfish Pasta

Sautee shelled crayfish tail meat in garlic and butter until firm, about 2 minutes. Add to prepared Pasta-Roni Garlic and Olive Oil Vermicelli. Serve with a crusty bread and garden salad.

Rusty Crayfish Ceviche

Sautee crayfish tail meat in garlic and butter until firm, about 2 minutes. Let cool. Finely chop onion, lettuce, tomato, and avocado. Combine and add cilantro. Warm a corn tostada and place mixture on top. Top with taco sauce and serve with corn chips and a margarita.

Acronyms You Should Know

| | |
|-------|---|
| AIS |Aquatic Invasive Species |
| DASH |Diver Assisted Suction Harvesting |
| EWM |Eurasian Water Milfoil |
| FCAL |Forest County Association of Lakes |
| GLRI |Great Lakes Restoration Initiative |
| ROV |Robotically Operated Vehicle (underwater robot with HiDef camera) |
| WLP |Wisconsin Lakes Partnership |
| WRISC |Wild Rivers Invasive Species Coalition |

The Boats of Bishop Lake

Submitted by Jean Koshere Ponfil

Buds on the trees, flowers blooming, birds sweetly singing and the joy of putting the pier and boat in the water... it's surely Spring!

Tradition continues for yet another year for my siblings to get together to wade in the water and get those piers and boats in! As seasonal cottage owners, we appreciate all that Bishop Lake has to offer. I started thinking what does the word "boat" mean? Most of us have a row boat, motor boat, pontoon boat, canoe, kayak or paddle boat. Perhaps we have more than one water vessel. Maybe even a jet ski!

As a young family with our parents, my siblings and I enjoyed swimming and fishing the gorgeous Bishop Lake waters. Our parents' legacy of 50 plus years lives on with us and our grandchildren. To think my parents would let my 4 year old sister solo in the old wooden row boat. Mind you, she could only go to the stump on one side and the neighbor's pier on the other side - one of my sister's first fondest memories of boating on Bishop Lake.

As the years passed, we upgraded to the 16' aluminum fishing boat. How exciting it was (and still is) to catch the big fish out in the lake. The water vessels continued with a canoe, paddle boat and kayak. Going for a canoe ride up Logan Creek or on Swamp Creek was an adventure. Certainly, a memory when a calm day became a rough day with white caps on the return trip! Or, having a liquid beverage and seating three in a two-person paddle boat is a great way to exercise and enjoy the shoreline and wave to a friendly neighbor. And we cannot forget going solo in the kayak as the sun rises or sets. What beauty to see the eagle, loons and the tail of a beaver or the little face of the muskrat. A trip to the big rock and little rock is always a yearly tradition.

And remember that 4 year old sibling in the ol' wooden row boat... the boat made quite an impression on her at a young age that carried through to adulthood: so much that she recently purchased a wooden boat to refurbish. Maybe you will see us boating on the lake in her restored wooden boat. A future memory, I hope.

So, having said the above of fond boat memories, what kind of boat will bring you special memories? I hope there will be many for you and your family.

And, if you don't have a boat, certainly you are still privileged to view the beauty of the lake from land: folks, it's just as spectacular!

And for everyone else fortunate enough to have lake property in Forest County, I'm guessing you all can share a favorite memory. Have fun on the water with the boat of your choice!

And to all reading this great FCAL newsletter - keep boating on the fabulous Forest County lakes.

Lost Lake Update

Submitted by Mark Smith

Here's a follow up to my last letter regarding the muck in Lost Lake.

We have, for the most part, scrapped the large aeration system reducing the muck. After more research, we have found the cost versus effect is just not worth it.

I also contacted a couple of companies that sell muck reducing pellets. I talked to the DNR to inquire on permits. They said we would need a permit and would have to get the pellets tested. Once I informed the pellet companies of this, I never heard back from then. I think that says a lot.

In November, I invited Greg Matzke (DNR Fish Biologist for this area) to our Lost Lake Association meeting. He did an excellent job explaining how the muck was a natural process and not all that bad for the fish.

He proposed a smaller, less expensive and more efficient aeration system to deal with the fish kill. We will be working with him further this summer.

FCAL THANKS ITS BUSINESS MEMBERS

- Associated Bank
- Forest County Land Conservation
- Johnnies Resort
- Laona State Bank
- Northern Lake Service
- Schaefer's IGA
- Camp NuNeNa

Word Hunt Solutions

(Over, Down, Diagonal)

ALVIN (1,1,8)

ARMSTRONGCREEK (14,7,7,M)

BLACKWELL (1,10,E)

BONNEVAL (9,8,MM)

CARTER (1,8,SE)

CAVOUR (3,1,SE)

HILES (14,2,SM)

LANAJUNCTION (14,14,MM)

NASHVILLE (9,11,M)

NETMA (13,1,M)

PADUS (14,13,MM)

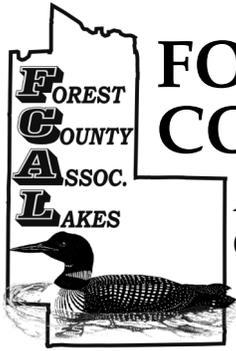
POPPERTVEER (15,15,N)

SOPERTON (13,11,N)

WOODLAWN (7,8,NE)

"Ground Water Use" Solutions

1.) = c, 2.) = a, 3.) = b, 4.) = c, 5.) = c



FOREST COUNTY ASSOCIATION OF LAKES, INC.

Word Hunt "Forest County Unincorporated Communities"

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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| V | J | O | V | V | M | U | C | Y | Q | U | A | I | B | M |
| I | A | Y | I | E | O | R | P | F | A | L | L | N | V | I |
| N | R | X | V | T | N | U | Q | F | D | E | J | O | K | R |
| Z | T | Y | E | Q | C | N | R | O | S | I | Z | T | Z | E |
| K | E | E | R | C | G | N | O | R | T | S | M | R | A | V |
| C | A | R | T | E | R | W | U | B | R | D | D | E | Y | I |
| Q | C | A | J | H | M | A | G | J | S | P | A | P | J | R |
| B | L | A | C | K | W | E | L | L | A | U | R | O | Z | E |
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| X | H | Z | E | Z | W | B | Z | X | S | J | B | A | P | P |
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| F | J | M | O | O | Q | Z | H | V | L | R | Y | S | M | P |

- ALVIN
- ARMSTRONGCREEK
- BLACKWELL
- BONNEVAL
- CARTER
- CAVOUR
- HILES
- LAONAJUNCTION
- NASHVILLE
- NELMA
- PADUS
- POPPLERIVER
- SOPERTON
- WOODLAWN

FCAL Objectives...

1. **Education/Sharing...**To educate the Forest County public and riparian owners on issues and to facilitate dialogue between organizations and governmental bodies.
2. **Long Range Planning...**To participate in long range planning efforts regarding the water resources of Forest County.
3. **Regulatory/Enforcing...**Facilitate efforts of the governmental bodies to enforce regulations which affect inland water bodies usage and water quality.
4. **Cooperative...**Provide a vehicle for greater cooperative efforts between riparian owners, riparian users, appropriate governmental agencies and the citizens of Forest County.

Visit Forest County Association of Lakes at:
www.fcal-wis.org

Ground Water Use

Source: American Water Works Association

- 1.) About how many gallons of water does each of us use each day?
a.) 20 to 39 b.) 35 to 49 c.) 50 to 69
- 2.) Which of these uses the most water daily?
a.) Toilet b.) Clothes Washer c.) Shower
- 3.) About how many gallons are used by a clothes washer?
a.) 19 b.) 15 c.) 9.5
- 4.) About how much water is wasted through leaks?
a.) 10.5 gallons b.) 5.5 gallons c.) 9.5 gallons
- 5.) About how many gallons of water is used in toilets?
a.) 15 b.) 6.5 c.) 19



FOREST COUNTY ASSOCIATION OF LAKES, INC. 2017 Membership Application

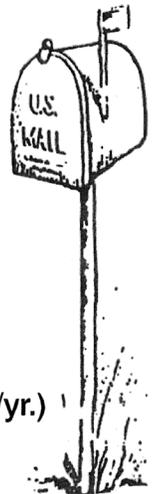
NAME(S): _____ PHONE: _____

MAILING ADDRESS: _____

LAKE/RIVER: _____ LAKE ORG.: _____

SUMMER ADDRESS: _____ FROM: _____ TO: _____

E-MAIL ADDRESS: _____



TYPE OF MEMBERSHIP (Check appropriate membership category)

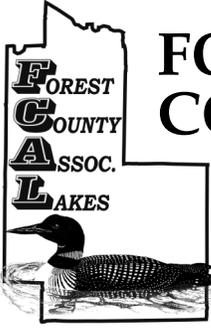
- Individual/Families (\$15/yr.) Lake Organization(\$25/yr.) Business Org. (\$50/yr.)

Make checks payable to : FCAL, Inc.
Return application and check to:

Treasurer, FCAL, Inc. New
P.O. Box 68
Pickerel, WI 54465

Renewal

Members do not need to live on water.



FOREST COUNTY

ASSOCIATION
OF LAKES, INC.
PO BOX 68
PICKEREL, WI 54465

PRSR STD
US POSTAGE PAID
EAGLE RIVER WI
PERMIT NO 7

This newsletter and other interesting information can be viewed on line at...
www.fcsl-wis.org

IN THIS ISSUE...
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Highlighting Harry
Starry Stonewart
On the Hunt for Invasive Species
Climate Change & Sustainability
Invasive Food for Thought
Bishop Lake & Lost Lake Updates

PLEASE REMEMBER...

- Thoroughly clean and dry fishing equipment, bait buckets, boats and trailers before using again.
 - Empty all water from equipment before transporting.
 - Remove all mud, plants and aquatic life from equipment.
 - Do not move fish or plants from one body of water to another.
 - Be respectful and courteous to one another on all lakes and waterways.
- With appreciation from the Forest County Association of Lakes