

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center

Fall 2016 MWLA newsletter

TAISP UPDATE by Anne Kretschmann, Water Specialist and AIS Coordinator at the North Lakeland Discovery Center

The Town Aquatic Invasive Species Partnership (TAISP) had a very successful 2016. The Manitowish Waters Chain of Lakes has been awarded a total of fourteen WDNR grants totaling over \$450,000 since 2011. Onterra, LLC is developing lake management plans that will protect and enhance our chain of lakes for generations to come. TAISP received a new Healthy Lakes grant in 2016 that will help improve fisheries habitat and shorelines in township waters.

In 2016, we successfully treated curly leaf pondweed in the Spider-Island Channel and also deployed professional divers to hand-harvest this invasive plant. We detected new locations of curly leaf pondweed in Rest Lake with the help of volunteer eyes on the water and were able to hand-harvest smaller areas with the assistance of Discovery Center Water Interns. Throughout the summer, interns and volunteers educated boaters and recreationalists at boat landings on the Chain.



It was a tough year for purple loosestrife bio-control beetles. Despite having a difficult time finding brood stock beetles for rearing in the early summer, we successfully reared and released over 3,700 beetles in area infestations with the help of NLS students. Some of the beetles we released were reared by the McNaughton State Correctional Facility inmates in Lake Tomahawk who have taken a keen interest in helping the Northwoods environment by rearing bio-control beetles in cages on their grounds. Discovery Center staff and volunteers clipped the flower heads of purple loosestrife to help slow the spread of this wetland invader.

Every grant that we receive for the Chain requires either cash or volunteer match. We encourage you to volunteer - it's as simple as looking for anything that looks suspicious as you walk your shoreline, checking your pier legs, cleaning your props, or keeping your eyes open while you are out on your pontoon. It is through your efforts like these that we were able to find curly leaf pondweed in Rest Lake this year. Fall is a good time to spot Eurasian Water Milfoil - this invasive stays green even as the native plants begin to die.

The Discovery Center is always willing to identify anything that you find, either bring a sample by the North Lakeland Discovery Center on County W across from the Rest Lake Park in Manitowish Waters or take a photo and email it to Anne Kretschmann at anne@discoverycenter.net. Please remember to write down where you found it and your contact information.

Please remember to **report your volunteer time** for 2016 to Anne via email, phone (715-543-2085) or mail (PO Box 237, Manitowish Waters). We accept volunteer hours year-round, so it's never too late to turn in hours from this summer. Thus far, we have **over 500 volunteer hours** reported which is a great accomplishment! These volunteer hours decrease the amount of Town funding that we need for the grants we receive from the WDNR.

Thank you to the numerous volunteers who helped make this a successful year, we couldn't do it without YOU! We are constantly amazed by your perseverance and devotion to protecting our lakes.

On the weekend of September 9-12, an AIS booth was set up during the 40th Annual World Championship Musky Classic orientation so fishermen could learn about aquatic invasive species. Anne Kretschmann and Peter Rebholz of the Discovery Center manned the booth Friday morning and talked to numerous interested musky fishermen.



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2016 ANNUAL MEETING/PICNIC

The Manitowish Waters Lakes Association held its 24th Annual Meeting and Picnic on Saturday, July 30 at the North Lakeland Discovery Center. The attendees were welcomed by MWLA President, Karen Dixon. She described the Association's accomplishments throughout the previous year and explained goals for the upcoming year with the main goal being the strengthening of our partnership with the North Lakeland Discovery Center, the Towns of Manitowish Waters and Boulder Junction to protect our waters from aquatic invasive species. She encouraged everyone to become involved with AIS monitoring activities to help offset the cost of the grants with in-kind volunteer hours. Karen also reported on the Wisconsin Shoreland Initiative's efforts to repeal some of the most damaging sections of the shoreland zoning laws that were passed by the legislature last year.

During the business portion of the meeting, the following officers were elected: Bob Becker, President; Paul Puccinelli, Vice President; Jo Ann Miller, Secretary; and Eleanor Butler, Treasurer. Three new directors were elected: Mary Bowlus, Angela Dombrowicki, and Delp Schafer. Greg Holt and Tom Kramer were re-elected as directors. Karen thanked out-going board members Tom Joseph, Marilyn Gabert, Barry Hopkins, and Jim Cagney for their years of service.

Newly elected president, Bob Becker, and out-going secretary, Marilyn Gabert, recognized Karen for her nine years as president of the Association with a heartfelt thank you and presented her with a basket of gifts in appreciation for her leadership.

Board member, Tom Kramer, spoke briefly about the DNR's Fish Sticks Program that is providing grants for the placement of felled trees off shoreland properties for fish spawning habitat. Tom, who is also president of Walleyes for

Tomorrow, also reported on the efforts of the WFT, DNR and the tribes to work together to stock the MW Chain with more than 40,000 walleyes.

Tim Hoyman, Aquatic Ecologist and founder of the lake management planning firm of Onterra, LLC updated the membership on the Lake Management Plan for the Manitowish Chain of Lakes and the effects of herbicide treatment on the curly leaf pondweed (aquatic invasive) that is growing in several areas of the Chain. He reported that the health of the Chain is excellent and that the treatment of CLP has been successful. The membership also heard a presentation from Quita Sheehan, Conservation Specialist with the Vilas County Land and Water Conservation Department who informed the group of the importance of shoreland preservation and restoration in regard to the health of lakes and rivers.

Anne Kretschmann, Water Specialist and AIS Coordinator at the Discovery Center, along with Blair Beyer and Katie Caldwell, Water Interns, and Jason Tutkowski (Water Intern alumna), were on hand to show samples of curly leaf pondweed, provide information on how to monitor for AIS, and tell about programs that teach how to monitor for AIS, available through the Discovery Center.

Attendees were served a delicious free picnic catered by Aurora Borealis Restaurant. The wine was donated by Aurora Borealis and the beer was donated by Trig's Village Market. A great time was enjoyed by all, especially those who won door and raffle prizes organized by Marilyn Gabert. The majority of the items were donated by Kathryn Dumas, Marilyn's mother.

Next year's MWLA Annual Meeting will be held at the North Lakeland Discovery Center on Saturday, July 29, 2017.

Spring 2017 MWLA newsletter

NEW WATER PROGRAM COORDINATOR AT NORTH LAKE LAND DISCOVERY CENTER

My name is Emily Heald and I am happy to introduce myself to the MWLA as the new Water Program Coordinator for the North Lakeland Discovery Center. I am originally from northern Illinois. I first became familiar with the Northwoods after attending Northland College in Ashland, WI where I earned a B.S. in Natural Resource Management. I then went on to earn an M.S. from the University of Minnesota Duluth in Biology. During my time in graduate school I conducted research at the Trout Lake Field Station in Boulder Junction, where I worked on a whole-lake manipulation project. After that I returned to the Ashland area where I worked as a volunteer coordinator for a small non-profit, and was a park ranger for the National Park Service's Apostle Islands National Lakeshore. In my short time here I am learning an immense amount of information, and am so thankful for the many people who have already approached me willing to help me learn. Please feel free to contact me to introduce yourself or if you have questions. I am looking forward to being a part of the group of people in this area who care immensely for the wonderful water resources the area offers.

Next Phase of Manitowish Waters Lake Management Planning Project Awarded!

After applying for our final phase of the Lake Management Planning Projects on the Manitowish Chain, which would cover Stone, Vance, Sturgeon and Benson Lakes, and the Manitowish River, we were originally informed from the WDNR that we would not receive funding. However, after some rearranging of funds, the WDNR recently informed us that we will, in fact, receive funding for our final phase! This will be very similar to past phases – the North Lakeland Discovery Center and Onterra, LLC will conduct water quality monitoring, AIS surveys and mapping, and aquatic plant community surveys in order to create a management plan for these lakes. The grant will also fund AIS outreach and monitoring. Volunteer hours are required as matching funds for these grants. Please contact Emily Heald at the North Lakeland Discovery Center if you would like to help us monitor for invasive species in the chain! 715-543-2085 or water@discoverycenter.net

Curly-Leaf Pondweed Update: No Chemical Treatment in 2017

Spring has sprung. The air is warming, the ice is melted, the plants are blooming and starting to grow... except the invasive species curly-leaf pondweed, which has been busy growing under the ice over the winter - it's about 4 feet tall by now! Curly-leaf pondweed (CLP), one of many aquatic invasive species (AIS) found in the Manitowish Waters Chain of Lakes, has an interesting life cycle that affects many of our management decisions for how to combat the problem. CLP thrives in cold water – which is why it begins to grow over the winter season before other plants begin to grow. It peaks by late spring/early summer, forming dense mats at the surface of the lake. These mats block out sunlight from other plants, prohibiting growth of native species (not to mention other annoying qualities, such as getting stuck in boat props and getting in the way of fishing or swimming). Near the end of its life, CLP grows pinecone-like reproductive buds called "turions," which drop from the plant to the substrate at the bottom of the lake. Turions can sprout up the following year, or lay dormant at the bottom of the lake for several years. The plants then die off mid-summer, and the decaying plant matter increases nutrients in the lake (which could lead to algae blooms). Decay also depletes oxygen in the lake, which could negatively affect fish and other aquatic life. By mid-summer, there is no sign of CLP except for what lies beneath, buried in the substrate – the turions.



For the past several years, the North Lakeland Discovery Center has collaborated with the town of Manitowish Waters, the Manitowish Waters Lakes Association, and, recently, Boulder Junction, to match grant funds with the goal of fighting the CLP infestation. Onterra LLC, a professional environmental consulting company, has chemically treated large patches of CLP in the past years. The chemical works to kill the plant before it produces turions. Then, ideally, next year's plants sprout from old turions in the lake bottom, and eventually the turion "seed bank" is depleted. This combined with hand harvesting by professional divers is hopefully the successful combination for us to deplete CLP populations – and it seems to be working! That being said, in the summer of 2017, Onterra will not be chemically treating CLP. Quantifying the success of the chemical treatments can be difficult, because we cannot be sure of the turions lying-in-wait at the lake bottom. This is why Onterra is taking 2017 as a time to step back, observe the growth, and to re-assess our treatment options.

Although there will be no chemical treatment, Onterra's early season CLP surveys will be used to guide professional divers to hand harvest patches of CLP. The North Lakeland Discovery Center, with a team of dedicated volunteers and interns, will also continue to monitor and hand harvest CLP.

Volunteers, like YOU are key to our success in solving the problem of invasive species in the Chain. CLP was first discovered in the Chain by a Discovery Center volunteer! We are greatly in need of volunteers to assist us with CLP surveys, hand harvesting, and general AIS monitoring. Getting involved is as easy as walking down your shoreline to

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notice washed up plants, checking your dock legs, or keeping your eyes open while you are out fishing or taking a pontoon cruise on a sunny day!

At the Discovery Center, we can teach you exactly what to look for. We offer several trainings throughout the summer specifically for the Manitowish Chain – 1:00-3:00pm for the following dates: Saturday June 24, Monday July 17, Saturday August 5, and Monday August 14. If you are interested in attending a training, which includes both classroom and field training, call or email Emily Heald, Water Program Coordinator: water@discoverycenter.net (715) 543-2085. We can also assist you in identifying any questionable plants or other critters you find in your lake, just bring in a sample or a couple photographs.

As always, a reminder to check your motors as you travel between lakes out on the Chain. CLP can spread by small fragments, and a clean boat motor is an easy way to slow the spread.

Aquatic Invasive Species (AIS) Pontoon Tours- Volunteer Monitor Training

If you are interested in helping to monitor for invasive species in your lake, please sign up for one the FREE trainings offered through the Discovery Center! Trainings are held 1:00-3:00pm for the following dates: Saturday June 24, Monday July 17, Saturday August 5, Monday August 14. Training will consist of a free pontoon tour that travels through the chain searching for invasive species. We will teach you how to identify common invasive species and their native look-alikes. Meet at Koller Park in Manitowish Waters. An array of tools and resources are available for free or loan. *Limited space available. Please pre-register.*

WELCOME TO THE 2017 SUMMER WATER STAFF

The interns will be working to monitor the waters and provide outreach in the Manitowish Waters, Boulder Junction, and Winchester area as well as inspecting boats through the Clean Boats Clean Waters program at Van Vliet, Presque Isle, Big, and Rest Lakes. If you see them out on the water, please introduce yourself!



My name is Heather Platt, and I just graduated from SUNY College of Environmental Sciences and Forestry. I was born and raised in New York City, and although I grew up in a major city, I have always been someone much more into the outside world, and understanding how to keep what resources we have left as pristine as possible. I have always had an affinity towards wetlands, and working to keep such diverse and important ecosystems is a mission of mine. I wish to return to graduate school within the next five years, but before I do so I am looking for a thesis question, something that will drive me to truly unlock more knowledge. I have been drawn towards working at the North Lakeland Discovery Center because I truly believe I can learn more about working in wetlands and lakes and carry that knowledge as I continue to grow and expand my works.

Hello! My name is John Tesensky and I'm a senior at Cornell College in Iowa. In May, I'll graduate with a degree in Environmental Studies with a concentration in Freshwater Biology/Aquatic Ecology. I'm excited to work at NLDC because I'm passionate about environmental concerns and water resources. This summer, I'm looking forward to meeting new people, working to promote and preserve Wisconsin's natural resources, and experiencing and learning as much as I can in Vilas County. It's a tremendous opportunity to educate and work with Wisconsin's water resources... I can't wait to start! My interests include fishing, hiking, baseball, barbershop quartet harmonies, and mint chocolate chip ice cream! Oh, and the Green Bay Packers!



Hello, I'm Brandon Oberleitner. I'm from the small town of Wabeno in Northern Wisconsin. Ever since I was a child nature has fascinated me, and I have maintained that fascination up to this day. Whether it was fishing with my father and grandfather, catching frogs, turtles, or snakes, or merely sitting outside, I constantly find myself being drawn to the outdoors. I love to kayak, camp, fish, bike, and hike. I graduated from Nicolet Area Technical College in Rhinelander WI with an Associates of Science of Liberal Arts degree with Natural Resources emphasis. I'm currently attending UWSP for a Bachelor degree in Fisheries and Aquatic Science. I look forward to gaining experience in working with invasive species and the public this summer at the Discovery Center.

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center

PURPLE LOOSESTRIFE BEETLE PROJECT PARTNERSHIP

Purple loosestrife is an invasive species that overtakes the habitat of native plants that are essential to the resident wildlife. On May 10th, seventeen North Lakeland School 7th graders partnered with the Discovery Center and the MWLA to spend the morning identifying and digging up purple loosestrife plants growing around Big Muskellunge Lake. They spent the afternoon at the Discovery Center potting and netting about 60 plants for the Manitowish Waters purple loosestrife beetle-rearing bio-control project. The students did a fantastic job! This project has been a huge success as after about 10

4

years of work the students found that the PL has been largely eradicated in large areas of Big Muskellunge Lake due to the beetles. It was difficult finding enough PL plants to dig up!

The beetles eat and weaken the plant, keeping flowers from forming and have proved to be an extremely effective biological control. The beetles are reared on the netted plants at the Discovery Center and released into larger, established infestations on the Chain. Volunteers also pull non-established smaller populations and cut flower heads to slow the spread of seeds during mid-to-late summer. The work day was led by Emily Heald of the Discovery Center, and was assisted by Karen Dixon (MWLA), and Christine Wallace (NLS).



Summer 2017 MWLA Newsletter

CURLY-LEAF PONDWEED UPDATE

articles by Emily Heald, poem by John Tesensky

The North Lakeland Discovery Center and Onterra (consulting company) have completed early season AIS surveys on the Chain. Patches of curly-leaf pondweed (CLP) were found on the north end of Rest Lake near Papoose Creek, the north end of Stone, south end of Fawn, the Spider-Island channel, and the far south-east end of Island Lake. CLP also continues to grow prolifically in Rice Creek. Patches in Rest and the Spider-Island Channel were hand pulled by professional divers, and the patches in Fawn were hand pulled by the Discovery Center's very hard-working interns. ***Boaters are strongly encouraged to move slowly through these areas and to check props frequently.***

CURLY-LEAF PONDWEED: THE BANE OF THE CHAIN



Curly-leaf pondweed, you're no dandy nor dither!
Oh, how I wish you would curl up and wither!
Your presence in our lakes is no jolly sign,
And for your invasive action, we have not the time!
A bare, single stalk, or a small little bud
Is all that is needed down in the lake's mud
For once in the soil, there's no telling when
We'll see your stalks growing and rising again!
You grow in the winter when ice is thick on the lake
And by springtime and thawing, you've made no mistake!
Come mid-summer, you're singing your tune
Your lasagna-like leaves reaching the surface by June.
All over in bunches, your green, ragged leaves spread,
Like a wildfire burning, you leave all others dead!
For you linger and sway like a big, dark, green curtain,
No light can pass through you - and this is for certain!
Invasive you are, and most definitely unwelcome,
Removing you all is tricky and rare; seldom.
If only a boater had paid more attention,
We wouldn't be here but rather talking "prevention!"
So, reader, ask yourself, do you love your own lake?
Consider the ecological imbalance, consider the stakes!
To prevent curly-leaf pondweed is really quite swell,
Just pull all weeds from your boat and empty your wells!
That way you'll ensure that your lake stays sweet,
And free from all the nasty curly-leaf pondweed!

AIS MONITORING: YOU DON'T HAVE TO BE AN EXPERT TO GET INVOLVED!

Summer is a great time to get involved in invasive species monitoring on your lake. Visiting family and friends are extra eyes on the water! You do not need to worry about being an expert on plants and animals in order to get involved – you just need to know some of the invasives and learn what to look for.

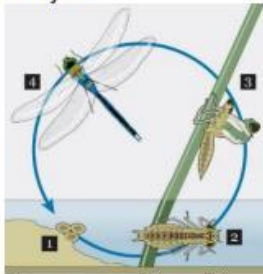
Trainings for AIS identification are available from 1-3pm for the following dates: Monday July 17, Saturday August 5, Monday August 14. Meet at Koller Park in Manitowish Waters. Please register with Emily Heald at the Discovery Center. If you are interested in a private training for your friends and family, just let Emily know.

Important: Please report all time spent monitoring to Emily Heald at the Discovery Center. Volunteering is easy and can include time spent observing the shoreline on a pontoon cruise, or checking out plants as you are fishing! Volunteer time is used as matching funds for the many management-planning grants for the Chain. Please call or email if you need volunteer time sheets. Emily Heald, Water Program Coordinator for the North Lakeland Discovery Center: water@discoverycenter.net or 715-543-2085



CRITTER CORNER: DRAGONFLIES

Ever wonder how all those bright-colored dragonflies appear so suddenly in the summer? Dragonflies have a fascinating life cycle:



Picture source – Chicago Tribune

1. In late July-August, female dragonflies lay eggs, inserting them onto plants or sand in or near the water.
2. After about 10 days, eggs hatch into larva. The larva live underwater for about a year (over 90% of their lives!), where they feed on other aquatic insects.
3. Larva emerge onto dry land around June or July, where they shed their outer skin, take time to dry their wings, then fly off to eat and reproduce.

An interesting history: Dragonflies have been zooming around lakes as natural mosquito repellent for over 300 million years! Fossil records indicate giant dragonfly relatives had wingspans of almost 3 feet! Smaller dragonflies that we are familiar with today evolved by the time of dinosaurs, about 180 million years ago.

BE ON THE LOOK OUT: YELLOW FLAG IRIS

Overview: Yellow iris is a wetland plant that spreads vegetatively via rhizomes, and also produces many seeds that can float. Once established it forms dense mats that alter wildlife habitat and diversity. This plant is **poisonous**.

Identification: When flowering, yellow iris is easy to identify. Flowers are bright yellow (see image). If you see an iris-like flower that is yellow, it's yellow iris! There is a native iris that is blue/purple.

Removal and Control: If you have this on your property, or know others with it in their yards/shorelines **please encourage removal**. Dig up smaller patches – be sure to remove **all** of the rhizome. Clean all tools and machinery used during removal. At the very least, cut all leaves and stems below the water line. **Wear gloves and long sleeves, resin can cause skin irritation**. Dispose all plant matter in a tied bag into the garbage. Do not burn!



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Facebook posts



North Lakeland Discovery Center shared Azael Meza's post.

September 8, 2016 · 🌐

Did you know that you may have invasive freshwater jellyfish in your lakes? These tiny creatures have been observed in 25 lakes and rivers in Vilas County and in 116 bodies of water statewide.

The jellyfish are native to China, but appeared in London in 1880. The first sighting in Wisconsin was in 1969. So, how did they get here? They most likely arrived as cysts or polyps attached to aquatic plants, sediments, or fish.

Check out this video of a jellyfish caught by one of our staff members!



1 838 Views

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

February 7 · 🌐

<http://www.uwsp.edu/.../Pages/programs/convention/default.aspx>

A promotional graphic for a lakes convention. The background is a solid orange color. At the top, the text "Register Now" is written in a large, bold, white sans-serif font. Below it, "for this year's Lakes Convention!" is written in a smaller, white sans-serif font. Underneath that, the dates "April 5-7, 2017" are displayed in a bold, white sans-serif font. The central part of the graphic features a stylized illustration of a woman's face in profile, looking down with her eyes closed. Her hair is represented by flowing, wavy lines in shades of blue and teal. Within these waves, there are several small icons: a swan, a person swimming, a boat with a person fishing, a turtle, and a fish. At the bottom of the graphic, the words "Minding Our Waters" are written in a large, bold, black serif font. The word "Minding" is on the top line and "Our Waters" is on the bottom line.

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North Lakeland Discovery Center

April 3 · 🌐

In celebration of the 47th anniversary of Earth Day the Oneida and Vilas County Land & Water Conservation Departments will partner to host and present a special showing of "Making Waves: Battle for the Great Lakes," on the big screen.

"Making Waves: Battle for the Great Lakes"

Cost = FREE!

Three Lakes Center for the Arts... [See More](#)



**Making Waves: Battle for the Great Lakes – A
Documentary about Aquatic Invasive Species in the
Great Lakes**

MAKINGWAVESDOCUMENTARY.COM

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

April 25 · 🌐

Check out this great new use for Eurasian watermilfoil - a troublesome local invasive species. It's a win-win for all!



Putting Invasive Weeds to Work - Modern Farmer

An invasive water plant may hold the key to fertile soil.

MODERNFARMER.COM

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

April 26 · 🌐

New research shows that road salt may be a bigger problem in Wisconsin lakes than previously thought...



Road Salt Contamination In Lakes Widespread

A study indicates road salt is causing more widespread contamination in lakes than previously thought.

WPR.ORG



North Lakeland Discovery Center shared North Lakeland School District's post.

May 12 - 🌐

THANK YOU to the 7th graders at the North Lakeland School for helping us with the first phase of our purple loosestrife beetle rearing project! We collected purple loosestrife roots to grow in contained nets and pots at the Discovery Center. Once the plants are larger, we will begin rearing beetles that eat only purple loosestrife. The beetles will reproduce, and over the summer we will release the beetles onto purple loosestrife infestations. Since the beetles eat only purple loosestrife, this is a safe, natural way to combat invasive species!



North Lakeland School District added 3 new photos.

May 11 - 🌐

Eight years ago, North Lakeland students started working with the North Lakeland Discovery Center and the Manitowish Waters Lakes Association to help stop the s...

[See More](#)



North Lakeland Discovery Center

May 24 · 🌐

Be sure to stop by and meet our Water Monitoring Interns: John Tesensky, Heather Platt, and Brandon Oberleitner! You may see them here at the Center or at boat landings around the area.



North Lakeland Discovery Center

Summer Water Staff

Please join us in welcoming the 2017 summer water staff! They will be working to monitor the waters and provide outreach in the Manitowish Waters, Boulder Junction, and Winchester areas, as well as inspecting boats through the Clean Boats Clean Waters program at Van Vliet, Presque Isle, Big, Rest, and Clear Lakes. If you see them out on the water, please stop and introduce yourself!



John Tesensky

Hello! My name is John Tesensky and I'm a senior at Cornell College in Iowa. In May, I'll graduate with a degree in Environmental Studies with a concentration in Freshwater Biology/Aquatic Ecology. I'm excited to work at NLDC because I'm passionate about environmental concerns and water resources. This summer, I'm looking forward to meeting new people, working to promote and preserve Wisconsin's natural resources, and experiencing and learning as much as I can in Vilas County. It's a tremendous opportunity to educate and work with Wisconsin's water resources... I can't wait to start! My interests include fishing, hiking, baseball, barbershop quartet harmonies, and mint chocolate chip ice cream! Oh, and the Green Bay Packers!

Heather Platt

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Brandon Oberleitner

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North Lakeland Discovery Center
Manitowish Waters, WI
www.discoverycenter.net (715) 543-2085

Our mission: To enrich lives and inspire an ethic of care for Wisconsin's Northwoods, through the facilitation of connections among nature, people and community.

A Natural Destination for Discovery



Like



Comment



North Lakeland Discovery Center

June 6 · 🌐

The water is still and stretches before me like a pane of glass:
So crisp, so smooth, so perfect. Unblemished

A newborn sun peeks ever delicately across the pond,
Welcoming the day and welcoming the world.

A collection of pines, firs and greens stand tall and true,
Their presence reflected as a glassy mirage; unwavering.

No stain, no spot, no smudge on this water.
A perfect and quiet scene of nothing and everything.

It is too early for the birds and their songs,
The lake is drained without their chorus and calls.

In the silence and stillness, only the creatures play.
A dock-spider crafts its silken plate for the day's meal.

SPLASH!

What is the occurrence? What's the commotion?
The glass has been shattered and the mirror, broken!

I look to the lake, but see not the culprit.
A fish has jumped! And returned down to the darkness.

Ripples on the water widen and run, fleeing the scene.
The trees and their stature, loom tall and green;
As sentinels, they watch: no ripple escapes.

The spot on the mirror was fleeting and dainty,
For again, it is quiet and still

and the water stretches before me like a pane of glass.

Video by Brandon (Water Monitoring Intern); Poem by John (Water Monitoring Intern)

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 8 · 🌐

This weekend is the statewide Drain Campaign - an effort across Wisconsin to raise awareness about the importance of draining ALL water from boats after leaving a lake. We are giving out ice packs at several boat landings this weekend to help anglers use ice instead of water to keep their catch fresh!



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News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 10 · 🌐

Common Loon by Water Monitoring Intern Brandon



👍 Like

💬 Comment

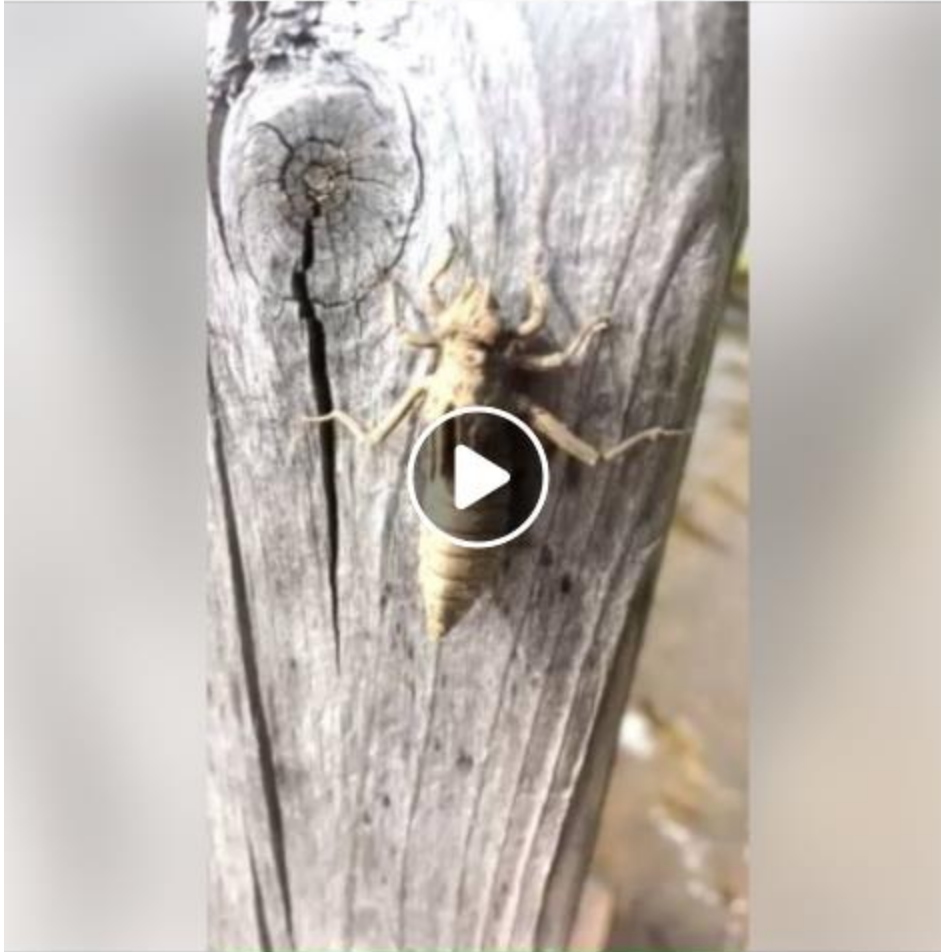
News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 13 · 🌐

Check out this video of a dragonfly emerging from its nymph exoskeleton!



522 Views

👍 Like

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➦ Share

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 3 new photos.

June 18 · 🌐

Our Cella beetles arrived this week! This spring, with the help of 7th graders from the North Lakeland School, we dug up and collected purple loosestrife plants to bring back to the Discovery Center. We planted them in containers and adhered netting around each pot so that we could contain and rear Cella beetles. Later in the summer we will release beetles onto loosestrife infestations, where they will eat and kill the plants before the plants are able to produce seeds. Cella beetles eat ONLY purple loosestrife - this is a safe, natural way to combat invasive species!

In the pictures you can see our water monitoring intern, Brandon, distributing beetles onto the loosestrife plants



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 21 · 🌐

What interesting biota have you found in the water lately?

Pictured: Chase, Center for Conservation Leadership student



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 23 · 🌐

Our first week of kid programs was a ton a fun! Join us next week on Tuesday from 9-11am (4-7 year olds) and Wednesday from 10am-1pm (7-10 year olds) and learn all about tremendous trees!

Visit our website to register: <https://nldc.z2systems.com/.../publicacc.../eventCalendarBig.jsp>



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 26 · 🌐

Sit on a dock,
For what will you see?
The adolescent ballerinas' in pinks and
Oranges at play in the Sky

Sit on the dock
For what will you hear?
But the cries of song birds a many,
And a lone thrum of a sap sucker

Sit on the dock
And what will you smell?
Well the lake and the pines,
And a musk you wish you called home.

Sit on the dock with me, and share in all that I am,
The warm breeze on your face and the chilled water on your toes.

Poem by: Heather, Water Monitoring Intern



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

June 30 · 🌐

Going boating this holiday weekend? Be part of the solution to prevent the spread of aquatic invasive species. Clean and drain your boat and equipment before you leave the boat landing.



👍 Like

💬 Comment

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 3 new photos —
with Lisa Walentowski and Ron Krueger.

July 1 · 🌐

Last week NLDC naturalist staff Licia and Joey joined botany expert Rod and flowage historian Sue to lead a canoe trip for the Natural Resources Foundation. This half day canoe trip went through the bog mats and orchids of the Little Tamarack Flowage near Land O' Lakes- a beautiful day for a fun paddle!



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 2 new photos.

July 6 · 🌐

Dragonhunters (*Hagenius brevistylus*) are fascinating predatory insects that prey on dragonflies and large butterflies. They are an average of 3.3 inches long and are immune to the effects of certain wasp stings and to the toxins that build up in Monarch butterflies. These exoskeletons were found along the Manitowish River.



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

July 10 · 🌐

Can you identify these aquatic invasive species?



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

July 12 · 🌐

July is Lakes Appreciation Month! Let's all show our lakes a little extra love this month - take some friends out to monitor for aquatic invasive species, or try planting a few native plants along your shoreline to decrease nutrient runoff into the lake. If you are interested in more ways to help out our lakes, contact our Water Program Coordinator, Emily, at water@discoverycenter.net.



👍 Like

💬 Comment

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 4 new photos.

July 17 · 🌐

Did you know over half of Wisconsin's 51 native mussel species are listed as species of greatest conservation need? Folks went out on the Manitowish River last weekend with Jesse Weinzinger of the WDNR to learn all about mussels - their life cycle, importance in the ecosystem, and how to ID them. They found 12 different species!



👍 Like

💬 Comment



North Lakeland Discovery Center

July 20 · 🌐

The breeze blows off the lake,
With the sun shining down,
A glimmering ribbon spans the water's surface.

One could almost forget,
As the clouds mosey across the sky,
That the world's diversity's declining

As damselflies dance,
Courting one another across the dock,
One could almost forget
Almost forget the bumblebees' plummeting population.

The youth pass,
Laughing on silly ski's doing tricks, Absorbed in fleeting friends and the
perfect day
One could almost forget,
Almost forget their boat is a vessel for aquatic hitchhikers.

Close your eyes,
Listen to the gentle waving water, lapping land.
It's almost enough that one could forget,
Almost forget the devastation of shoreline erosion

Photo by Environmental Education Intern Danielle; Poem by Water
Monitoring Intern Heather





North Lakeland Discovery Center

July 25 - 🌍

Our water team began releasing cella beetles onto purple loosestrife infestations this week! Cella beetles eat ONLY purple loosestrife, and are a safe, natural way to combat invasive species. We saw quite a bit of evidence from beetle releases of years past - the beetles are chowing away on the purple loosestrife plants, and will damage them enough so that they do not produce seeds



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

July 31 · 🌐

Join our Water Program Coordinator and a group of volunteers in the area for the annual Snapshot Day on Saturday, August 5 - a hands on way to help protect Wisconsin's waters. Learn more and register today!

<https://www.wisconsinrivers.org/.../displ.../item/snapshot-day-5>



Statewide AIS Snapshot Day 2017 | River Alliance of Wisconsin



Statewide AIS Snapshot Day 2017 | River Alliance of Wisconsin

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

August 3 · 🌐

Water interns, Heather and Brandon, out releasing cella beetles onto purple loosestrife infestations



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

August 7 · 🌐

Our water team participated in the fourth annual AIS Snapshot Day this weekend! Over 200 people rendezvoused at one of 18 sites around Wisconsin to search for invasive species.



👍 Like

💬 Comment

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 2 new photos.

August 9 · 🌐

Pickerelweed, a native aquatic plant that typically grows in large mats.



👍 Like

💬 Comment

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

August 10 · 🌐

The water crew surveying for purple loosestrife on the Manitowish River.



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 2 new photos.

August 16 - 🌐

Our water team took an inventory of the aquatic plants growing in Statehouse Lake today. They found the beautiful Smartweed plant flowering!





North Lakeland Discovery Center added 3 new photos.

August 24 · 🌐

"Over one thousand years ago, the Anishinaabe people lived along the Atlantic coastline of Turtle Island (North America). They were visited by eight Prophets and given seven Prophecies to follow, the third of which directed them to travel westward until they found the place where "food grows on water." When they arrived in the Great Lakes region they discovered vast beds of wild rice, or Manoomin (pronounced Ma-nō-min)." (Native Wild Rice Commission)

Today wild rice continues to hold not only cultural significance, but also ecological importance to the lakes and rivers in which it grows. The stalks provide habitat for waterfowl and other bird species. Mammals such as muskrat eat wild rice and use it for building lodges. The rice beds also provide habitat for invertebrates and fish.



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

September 1 · 🌐

A friendly reminder to clean, drain, and dry your boats this Labor Day weekend!



BOATBUSTERS

Aquatic Invasive Species educational outreach video. Brought to you by Washington and Waukesha Counties. We do not own anything but the video clips used in t...

[YOUTUBE.COM](#)

News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center added 5 new photos.

September 17 at 7:00am · 🌐

The great wild rice (Manoomin) harvest is in full force in the area- due to cooler temps the season has been extended for at least two weeks longer than normal- there is still quite a bit of green rice out there! Naturalist Licia went out for the first time with The Nature Conservancy volunteer and native plant society member Rod Sharka, who is also a great supporter of the Discovery Center, out to Island Lake last week to harvest. They harvested around 21 pounds in about 2 hours! As a fun bonus, they ran into Wisconsin Master Naturalist Volunteer graduate and member of the Discovery Center, Russ!



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



North Lakeland Discovery Center

September 21 at 7:00am · 🌐

Just like boaters and anglers, waterfowl hunters are taking steps to stop the spread of aquatic invasive species and protect the native habitats that support Wisconsin's recreational traditions. Join your fellow hunters in preserving Wisconsin's waterfowl habitats and hunting traditions for generations to come!

Take these simple steps each time you leave the water:

- *Inspect boat, trailer, motor and hunting equipment. Don't forget your boots, blinds and dogs, too!

- *Remove all plants, animals and mud.

- *Drain all water from decoys, boat, motor, livewell and other hunting equipment.

- *Never move plants or live fish away from a water body.

- *A special consideration for waterfowl hunters is to remove all seed heads and roots when using vegetation for your duck blinds.

This past weekend a few members of our staff's family went out and took advantage of the WI Youth Hunt!



Instagram Posts



northlakelanddiscovery

northlakelanddiscovery This weekend is the statewide Drain Campaign-an effort across Wisconsin to raise awareness about the importance of draining ALL water from boats after leaving a lake. We are giving out ice packs at several boat landings this weekend to help anglers use ice instead of water to keep their catch fresh. #NLDC #northlakelanddiscoverycenter



sapsoccer19, beelovesbikes, shawknop, fran_peterson2005, cherieannelibrarian, ktditto and brandonoberleitner like this

JUNE 7

Add a comment...



northlakelanddiscovery

northlakelanddiscovery Common Loon (Photo Credit: Brandon-Water Monitoring Intern)



16 likes

JUNE 10

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery

northlakelanddiscovery Adventuring in the bog! #CCL #northlakelanddiscoverycenter #NLDC #environmentaleducation



12 likes

JUNE 16

Add a comment...



northlakelanddiscovery

northlakelanddiscovery Northern Leopard Frog #northlakelanddiscoverycenter #NLDC



16 likes

JUNE 17

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery Frog catching 🐸
#northlakelanddiscoverycenter #NLDC



14 likes

JUNE 21

Add a comment...



northlakelanddiscovery

northlakelanddiscovery Going boating this holiday weekend? Don't forget to clean & drain your boat to stop aquatic hitchhikers. #cleanboatscleanwaters #NLDC #northlakelanddiscoverycenter



jerickson115, fran_peterson2005, pamelarussell_avatarjewelry, ktditto, cherieannelibrarian, rastalove59, odonnellmaddie, sapsoccer19 and shawnknop like this

JUNE 30

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery

northlakelanddiscovery Jesse Weinzinger of the WDNR teaching folks how to identify mussels in the Manitowish River #northlakelanddiscoverycenter #NLDC



19 likes

JULY 17

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery

northlakelanddiscovery Water interns Heather and Brandon out releasing cello beetles into purple loosestrife infestations #northlakelanddiscoverycenter #NLDC



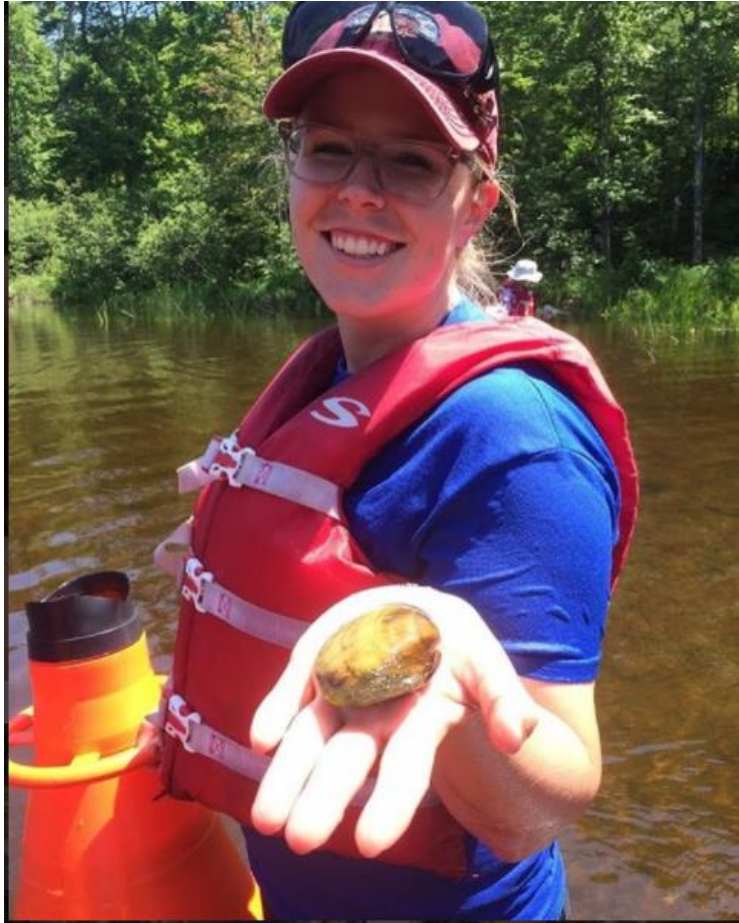
18 likes

AUGUST 3

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery Water Program
Coordinator Emily showing off her mussels
#northlakelanddiscoverycenter #NLDC



20 likes

AUGUST 4

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery

northlakelanddiscovery Pickerelweed



15 likes

AUGUST 6

Add a comment...



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery Smartweed: an aquatic plant growing in our very own Statehouse Lake #NLDC #northlakelanddiscoverycenter



20 likes

AUGUST 16

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery White water lily
#NLDC #northlakelanddiscoverycenter



20 likes

AUGUST 22

Add a comment...



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery It's a gorgeous week
to enjoy some lake time at the
#northlakelanddiscoverycenter



27 likes

SEPTEMBER 12

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery
North Lakeland Discovery Center

northlakelanddiscovery Summer may be wrapping up, but the Water Program is still out monitoring! The visitor sign is a great place to dry the plankton net #NLDC #northlakelanddiscoverycenter



15 likes

SEPTEMBER 14

Add a comment...



northlakelanddiscovery

northlakelanddiscovery If you are hunting waterfowl this fall, please make sure to inspect all equipment before moving between lakes (don't forget boots, blinds, and dogs!), drain all water from boats, decoys, and other equipment, and never move plants or live fish from a water body. Pictured: Jordan, 12 years old, daughter of Facility and Events Coordinator, Lynn Wildes, who has been hunting with her father and brother since she was 10 years old.

whitearrowshome Great reminders and great photo of Jordan!



16 likes

SEPTEMBER 19

Add a comment...



News releases, newsletter articles, and social media postings for Manitowish Waters area from North Lakeland Discovery Center



northlakelanddiscovery

northlakelanddiscovery Annie and Emily from the Program Team have been out scouting new educational opportunities... stay tuned! #northlakelanddiscoverycenter #NLDC



13 likes

17 HOURS AGO

Add a comment...

