

Bayfield County Land & Water Conservation Dept. Aquatic Invasive Species Program

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Species Profile: Giant & Japanese Knotweed

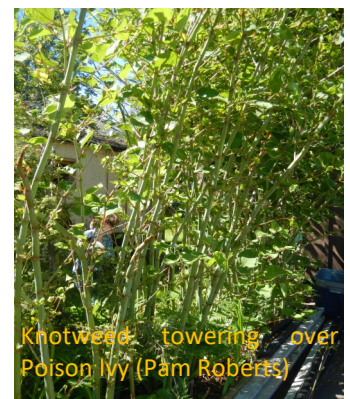
Giant knotweed (*Polygonum sachalinense*), and Japanese knotweed (*Polygonum cuspidatum*) are often confused with each other, and can even hybridize; however, both are invasive, and cause similar problems where they occur. Giant can be distinguished from Japanese in a variety of ways. First, look at the leaf base. Is it flat? If so, this is a good indicator that you are looking at Japanese knotweed. Giant knotweed leaves tend to have a heart-shaped appearance, and are much larger, often over 12 inches in length! You should compare multiple leaves from the same plant for confirmation, though. These plants tend to flower from the end of August to late September. Giant knotweed flowers have both male and female parts, whereas Japanese knotweed plants only have male or female flowers on a given plant. The stems of both species appear similar to bamboo,



but they are not related. In fact, their stems crack and break easily if pinched between the nodes, or rings, on the stem. These two knotweeds range in height from a few inches up to 14 feet. The most common reproductive method is by underground roots called rhizomes, which connect all of the individual stems. However, they can also spread by above ground stems and seed. Both are aggressive and can crowd out or prevent native plant growth in an area by shading and/or releasing compounds into the soil. They are a threat to many shoreline plants, can lower property values, and the roots are strong enough to crack foundations. Some troublesome stands can be found

locally in the cities of Bayfield and Washburn, and at other sites in Iron River, Herbster and Cornucopia. We greatly appreciate your cooperation in reporting any new sightings of knotweed. Two of the four knotweed species in our area are now NR 40 Invasive Species Rule Prohibited, so Wisconsin law requires management.

For information on knotweed locations, you can visit <http://dnr.wi.gov/topic/invasives/fact/giantknotweed.html> Alternatively, visit <http://www.northwoodscwma.org/projects/> for educational information.





Check out the WI DNR and UW-Extension Lakes websites!

BAYFIELD COUNTY LAND & WATER CONSERVATION DEPARTMENT AQUATIC INVASIVE SPECIES PROJECT



Wisconsin First Detector Network (WIFDN)

Have you found an unusual plant, fungus, or critter that you have never seen in your area before? Wondering who to tell? Check out WIFDN, the Wisconsin First Detector Network! According to their website, WIFDN is “a citizen-based monitoring network that empowers people to take action against invasive species through invasive species monitoring, management, and outreach.” More than that though, WIFDN offers programs suited to and tailored for teaching students about a variety of invasive species topics.



Citizen Lake Monitoring Network Update

The Citizen Lake Monitoring Network (CLMN) is a flagship citizen monitoring program, core of the WI Lakes Partnership, and brings over 1000 citizens together to work with the DNR. (credit: DNR website). Over the last two years, Paul Skawinski, the statewide CLMN Coordinator, has been working with partners and stakeholders to drastically reduce the size of the CLMN manual, and update the protocols for AIS monitoring. The binder of computer paper-which is 200 pages long-has been compressed into a spiral-bound, water-proof, and portable 30-page handbook. There are a few conditions to meet if you wish to acquire one, though. Paul says, “The brand new handbook is **FREE** to AIS Coordinators and volunteers who complete a training **AND** sign up to monitor. It is available to others for a small fee.”

Following this line of intrigue, the CLMN program has also created and will distribute a free monitoring equipment kit (one per lake, supplies limited). The monitoring equipment kit has the same conditions as the handbook, plus completing a CLMN Release of Claims Form. This kit contains a double-headed rake with a spool and 35’ of rope, hand lens, pencils, CLMN clipboard, ruler, Ziploc bags, and waterproof specimen labels. If this or simply being trained how to monitor interests you, please consider joining us for a hands-on CLMN training on July 13, 2017 in Cable!

CBCW Results and New Grants Available

Clean Boats Clean Waters (CBCW) programs have become much easier to implement. The DNR realizes the great importance and impact these programs have on preventing the spread of aquatic invasive species. Thus they have developed a streamlined and noncompetitive grant process to support a watercraft inspection program at your lake or stream.



You can find information on the simple application process online at <http://dnr.wi.gov/lakes/cbcw/>. If you need help implementing a CBCW program do not hesitate to contact the Bayfield County Land & Water Conservation Department. The Iron River Area received funding to support CBCW inspections in 2017. Applications are due to the state December 10th.

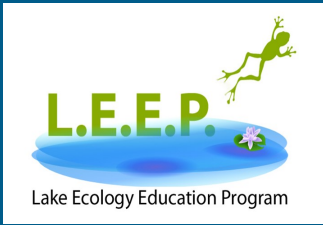
Here are the highlights from 2017 inspections throughout Bayfield County:

CBCW Program	Boats Inspected	People Educated
Barnes Area Lakes	3,146	8,000
Cable Area Lakes	619	1,244
Lake Namakagon	472	982
Lake Owen	1,624	3,940
Lake Superior	2,336	5,185
Pike Chain / Delta Lake/ Long Lake (Iron River)	1,989	4,614
TOTALS:	10,186	23,965

Boaters in Barnes posing with a Landing Blitz towel during the 2017 Landing Blitz event on Independence Day weekend.



Lake Ecology Education Program



“No child left on shore.”



BAYFIELD COUNTY LAND & WATER CONSERVATION DEPARTMENT AQUATIC INVASIVE SPECIES PROJECT

Invasive Species Identification Days (ISIDD)

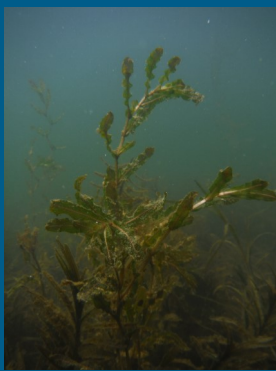


Invasive Species ID Day focuses on attracting public attention and getting people to bring in suspect plants and critters for identification. The Northwoods Cooperative Weed Management Area (NCWMA) and U.S. Forest Service loved the initial idea so much that we adopted and adapted it to suit our needs. By hosting this event at the Northern Great Lakes Visitor Center (NGLVC), we aim

to involve, entertain, and educate more kids and families, increase partner involvement, and provide a relaxed atmosphere.

Susan Nelson, an Interpretive Services Specialist with the U.S. Forest Service, and Anna Carlson, a talented regional artist, collaborated with us to develop and achieve these goals. Susan reported that over 100,000 visitors come to the NGLVC during the summer months, making it a prime location to spread our message. By hosting one Invasive Species ID Day per month from May-October, we reached a diverse audience traveling through the area. These events also provide a snapshot of plant appearances through-

out the growing season. We decided that to fulfill these objectives, each event should have a recognizable, yet unique, theme. This way, there will always be something new to see and learn. Adam says, “Our hope is that each and every Invasive Species ID Day will help educate the public, and provide them with the know-how in preventing aquatic and terrestrial invasive species from entering our waterways and landscapes. This knowledge is so important in a delicate environment such as Chequamegon Bay and Fish Creek.” Our upcoming event dates are listed on the Northern Great Lakes Visitor Center website at. Please join us for a few hours of interesting facts, wacky costumes, and a lot of fun!



Curly-Leaf Pondweed

PREVENT THE SPREAD OF INVASIVE SPECIES IT'S THE LAW

PENALTIES MAY EXCEED \$2000

Before launching and before leaving YOU MUST:

- ✓ **INSPECT** boats, trailers, and equipment.
- ✓ **REMOVE** all attached aquatic plants and animals.
- ✓ **DRAIN** all water from boats, vehicles, and equipment.
- ✓ **NEVER MOVE** plants or live fish away from a waterbody.

STOP AQUATIC HITCHHIKERS!
Prevent the spread of invasive species, it's the law

*Limited exceptions apply. Visit WWW.DNR.ME.GOV and search for "BAIT LAWS".

WARNING

REMOVE ALL AQUATIC PLANTS FROM YOUR BOAT AND TRAILER BEFORE YOU LAUNCH! - IT'S THE LAW!

INSPECTION CAMERAS OPERATING



Invasive Species ID Day in Bayfield at WPR's Garden Talk



Milfoil Man Appearance at Bayfield Apple Festival



Curly-leaf pondweed and yellow iris surveying on the Iron River

BAYFIELD COUNTY LAND & WATER CONSERVATION DEPARTMENT AQUATIC INVASIVE SPECIES PROJECT



Invasive Species ID Day

Friday, October 13, 2017

Northern Great Lakes Visitor Center, Ashland, WI

Student Science Research Symposium

9:15 a.m. Welcome, Introductions

9:30 a.m. Washburn Green School Initiative

10:00 – 11:30 a.m. Hands-on activities and lunch

11:30 – 12:30 p.m.

Organisms in Trade, Kingdom Animalia Exotic Animal
Rescue, Jamie Kozloski

1:00 p.m.

Aldo Leopold Native Seed Orchard Tour

GLEDN/EDD MAPS APP

LEAF PRINTING

INVASIVE SPECIES

WATER QUALITY TESTING!

Call (715) 373-6167 Andy
Teal or (715) 685-2644
Susan Nelson for more
information





Bayfield County Land & Water
Conservation Department

615 2nd Avenue East
P.O. Box 126
Washburn WI 54891

Phone: 715-373-6167

Fax: 715-373-6127

Email: ATeal@bayfieldcounty.org



Volunteer Appreciation

Hello everyone! It has certainly been a very busy year. Just as certainly, we could not have done it without you. Below is a list of volunteers we would like to thank. They step up time and again to continue making the Bayfield County Aquatic Invasive Species Project a strong program model for Wisconsin. From FOTECLA: Ted Eastlund, Gus Gustafson, Fred Haueter, Sue Jansen, John Kudlas, Cris Neff, Bill & Cindy Patza, Sally Pease*, Lee Wiesner. PCLA: Karen and Bart Austin, James Bender, Al and Ann Bochler, Susan Brown, Melanie Jensen, Logan and Paul Neveux, Jane Swenson. LLPOA: Nan Olson*, Tom Trianoski. NLA: Jeanne Baxter, Jim Krueger*. Cable Lakes: Sue Thurn. LOA: Ted Johnson. Bayfield County AIS Committee: Sarah Boles, Bill Bussey, Mike Defoe, Jeremy Oswald (and those with an *). Thank you!



<https://www.facebook.com/pages/Bayfield-County-AIS-Project/486473981401597?fref=ts>

“CLMN” - continued:

List of Waterbodies with Invasive Species:

<http://dnr.wi.gov/lakes/invasives/AISByWaterbody.aspx>

Reporting New Sightings:

Great Lakes Early Detection Network - www.ibis.colostate.edu/gledn/

App available - <http://apps.bugwood.org/mobile/gledn.html>

View Maps of Invasive Species Locations:

Great Lakes Indian Fish and Wildlife Commission - <http://maps.glifwc.org/>

Learn About Lakes:

WI DNR Lakes Page - <http://dnr.wi.gov/lakes/lakepages/> (essentially the old yellow Lakes book now available online)

Get updates on lake happenings around the state <http://lakes-l.blogs.govdelivery.com/>

Species Specific Info:

Phragmites - www.greatlakesphragmites.net

Purple Loosestrife - http://www.seagrants.umn.edu/ais/purpleloosestrife_info

Japanese Knotweed - <http://www.kingcounty.gov/environment/animalsAndPlants/noxious-weeds/weed-identification/invasive-knotweeds/japanese-knotweed.aspx>

Eurasian Watermilfoil and Curly leaf Pondweed - <http://dnr.wi.gov/topic/invasives/fact>

All Other Invasive Species:

WI DNR - <http://dnr.wi.gov/topic/invasives/>

WI Sea Grant - <http://www.seagrants.wisc.edu/home/Topics/InvasiveSpecies.aspx>

Control Options - <http://mipncontroldatabase.wisc.edu/>