Co Courthouse

**Bayfield County**

**Aquatic Invasive Species Project**



**AIS Control Grant #AEPP-483-16**

January 1, 2018 – December 31, 2018

**Progress Report**

Prepared January 2019

Prepared by:

Andrew Teal –Aquatic Invasive Species Project Coordinator

Bayfield County Land & Water Conservation Department

**Project Title:** Bayfield County Aquatic Invasive Species Project February 2016-June 2019

**Housed under the:**

**Bayfield County Land & Water Conservation Department**

County Conservationist- Ben Dufford

Support Staff- Melissa Kraft

Land Use Technician- Travis Tulowitzky

Northwoods CWMA Coordinator- Ramona Shackleford

**Aquatic Invasive Species Committee**

Chair - Nan Olson-Long Lake Property Owners Association President

Vice Chair- Jim Krueger-Town of Namakagon Supervisor

Jeremy Oswald-County Board Supervisor

Larry Fickbohm- County Board Supervisor

Reed Saam-Red Cliff Natural Resource Division

Vacant-Business Representative/Citizen Member

Sally Pease-Clean Boats Clean Waters Coordinator, Citizen Member

**Land Conservation Committee**

Chair - Dennis Pocernich-County Board Supervisor

Vice Chair- Fred Strand-County Board Supervisor

William Bussey-County Board Supervisor

Larry Fickbohm-County Board Supervisor

Becky Anderson-FSA Representative

Peter Tetzner-Citizen Member

***2018 Bayfield County AIS Efforts***

In 2018, the Bayfield County AIS Project has expanded its reach in several ways. These include: attending local and state inaugural discussions and meetings regarding decontamination stations; providing ideas and material input for a full-time, county-funded Surface Water Conservation Specialist position (it was not created, BUT the county approved a permanent annual budget increase of $46,000 to help with those projects); and with the courageous contributions from our interns, brought to light sexual harassment as an issue facing CBCW Watercraft Inspectors locally and statewide. Highlights of 2018 include writing an AEPP grant and providing some pointers to a cooperating partner county; collaborating on and implementing monthly Invasive Species ID Days at the Northern Great Lakes Visitor Center, culminating in the October Student Science Research Symposium; and setting up booths at the Wild Rivers Trout Unlimited Fishing Expo and Chequamegon Bay Birding and Nature Festival. We partnered on a wide range of activities, serving as a central contact for the Lake Namakagon hybrid watermilfoil project, surveyed and cut off yellow iris flowers and capsules, and conducted presence/absence surveys with Red Cliff Treaty Natural Resources Division. With these relationships in place, we can continue to establish and accomplish these new goals in the upcoming year with our newest AEPP grant.

**Goal A: Improve AIS Education and Outreach Efforts**

* Maintained CBCW watercraft inspections along Lake Superior and partnered with the Northwoods CWMA to use their boat wash decontamination unit; managed CBCW grant for the Iron River Inland Lakes-also sought solutions to payroll issues for 2019 (Town of Iron River stated they could not house inspectors on their payroll after 2018 but we are still working with them to resolve the matter)
* Hosted CBCW Watercraft inspector trainings at Barnes to maintain CBCW programs and partnerships
* Provided AIS information and technical guidance regarding the Diver Assisted Suction Harvester (DASH) to the Town of Barnes
* Recruited, interviewed, and hired two CBCW interns for summer 2018, one from Northland College and the other a graduate of the same, with the assistance and approval of Ben Dufford and Melissa Kraft.
* Our interns, mentioned in the previous activity, provided accounts of their experiences with boaters at landings. One of them had been sexually harassed and subjected to sexist remarks by boaters. Her reporting provided the basis of what became first a local, then a statewide, discussion about how to handle sexual harassment on location and what to do after leaving the work site.
* Created a Bayfield County AIS Project newsletter
* Co-hosted monthly Invasive Species ID Days (ISIDD) for the public from May-October at the Northern Great Lakes Visitor Center. We partnered with the NCWMA, U.S. Forest Service, Master Gardeners, Bad River Band of Lake Superior Chippewa, and the National Park Service. We hosted a guest speaker at each event to talk about different aspects and types of invasive species. These appearances included professionals from the Northwoods CWMA, WI DNR, U.S. Forest Service, the WPR Garden Talk Radio Program, and a highly engaging educator from the Raptor Education Group, Inc. based in Antigo, WI.
* Promoted GLEDN reporting mobile application at NCWMA meetings and invasive species identification workshops. As a guest speaker at one of our events, Jane Anklam with Western Wisconsin Land Trust spoke to 65 people about how to download and use the GLEDN app on their smartphones. The middle schoolers in the audience were quite excited to bring out their phones for this activity.
* Minimum of 113 people contacted and actively engaged in hands on AIS activities and display at the Bayfield County Fair, this is the number of those with whom we had AIS related conversations. Many other people stopped by and simply took materials from the outreach booth and they are not included in this total. We worked with the Tourism Dept. and Fair Office to expand our outreach, which included implementing County Fair project entry rules disqualifying cut wildflower entries containing invasive plants and providing resources for plant ID. These changes were quite successful and well received.
* Set up a display at the Wild Rivers Trout Unlimited Fishing Expo and made direct contact with 22 people.
* Participated in 5th Annual AIS Bridge Snapshot Day, provided training in AIS identification in lake environments to 3 participants in Ashland, scanned and emailed datasheets to River Alliance of Wisconsin.
* Set up a display at Kids Fishing Day at the Northern Great Lakes Visitor Center. There were 357 participants, 70 sponsors, and 64 volunteers at this event. Our program also provided bobbers with the SAH message.
* Continued county participation in the Lake Ecology Education Project (LEEP) in Barnes with the Drummond School. Taught classes about AIS and aquatic plants both in the classroom and on the field trips, and assisted with the macroinvertebrates module in both of those locations. I also led the wrap up day.
* We promoted Clean Boats Clean Waters at Northwest Wisconsin Lakes Conference through a display. Barnes promoted (LEEP) with a display, too.
* Partnered with River Alliance of Wisconsin to promote a Project RED workshop and host a training (this almost happened, but no one showed up, despite emailed confirmations).
* There are additional activities, provided in AIS Coordinator Reports/Updates at end of this document.
* Provided photos of Bayfield County Lake Superior boat landings (complete with installed AIS signs) to the Land Records Department for their Bayfield County Tourism Story Map
* Dramatically (literally) increased the local recognition of Milfoil Man and two other costumes-the zebra mussel and sea lamprey-by loaning them out to Big Top Chautauqua to use for the AIS segment in their original production, Superior! Songs and Stories of the Big Lake. A special thank you to regional artist Anna Carlson for designing and creating these costumes, and Jan Lee for writing the production!

**Goal B: Assess the AIS presence/absence in Bayfield County Water Resources and plan management of any AIS present.**

* Partners and consultants helped survey twelve lakes in Bayfield County this year. The AIS Coordinator worked with the WI DNR Lake Superior Basin AIS Early Detection/Rapid Response Coordinator, DNR personnel, volunteers, the St. Croix River Association, U.S. Forest Service, and interns with Bayfield County. We also worked with consultants Harmony Environmental and Endangered Resource Services, LLC to work on plans for these lakes. Some lakes where management is ongoing had point intercept (PI) and SCUBA surveys.

|  |  |
| --- | --- |
| **Lakes and Rivers Surveyed** | **AIS Detected** |
| Lake Owen\*(shoreline meander) | Chinese Mystery Snails (CMS), Yellow Iris (YI)\*\* |
| George Lake (shoreline meander) | None (known to have Eurasian Watermilfoil (EWM), but it has not been observed since treatment in 2012) |
| Middle Eau Claire Lake (SCUBA)\* | Banded Mystery Snails (BMS), Curly-leaf pondweed (CLP), Rusty crayfish (RC) |
| Upper Eau Claire Lake (SCUBA, ZM veliger tows)\* | CMS, CLP, RC |
| Tomahawk Lake (SCUBA) | EWM |
| Sandbar Lake (SCUBA) | EWM |
| Atkins Lake-County Park/boat launch | Yellow Iris |
| Lake Namakagon (shoreline meander, ZM veliger tows) | Hybrid watermilfoil, CMS, PL |
| Bony Lake\*\* | Yellow Iris |
| Pike Chain-Buskey Bay, Hart, Millicent, Twin Bear-Lakes (PI surveys, snorkeling) | EWM, CMS, BMS, PL |
| Iron River-near Iron Lake and Szczygiel Rd. | Yellow Iris |
| Pigeon Lake | None (confirmed FWJ exist here though) |
|  |  |

\*Priority Waterbody as designated by Bayfield County AIS Strategic Plan

\*\*New Discoveries

* Ongoing implementation of the Bayfield County AIS Strategic plan, approved by the County AIS Committee and County Board, and posted to the LWCD page on County website
* Worked with Lake Namakagon to provide technical guidance and input for their Aquatic Plant Management Plan and coordinate hand pulls for hybrid watermilfoil
* Worked with the Town of Barnes to provide technical guidance and input for their AIS Established Population Control grant for EWM on Tomahawk, Sand Bar, and George Lakes, and CLP on Upper and Middle Eau Claire Lakes, including ways to use their DASH boat and recruit divers.
* The Pike Chain of Lakes Association received a grant to conduct full lake treatments on four of their lakes (2016 was for surveys and hand pulling/limited mechanical removal only, 2017 & 2018 saw the completion of herbicide treatments)

**Goal C: Track locations, control work, and spread of AIS**

* Reported Yellow Iris, Purple Loosestrife, and Japanese/Giant knotweed sites via the Kobo Toolbox app
* Partnered with the NCWMA Coordinator to GPS locations of Japanese, Bohemian, and giant knotweed sites.
* Through partnership with the Northwoods Cooperative Weed Management Area, maintained knotweed spreadsheets for tracking control dates and methods, landowner information, and population locations
* Worked with our interns to remove numerous yellow iris plants from the Iron River.
* Cut and pulled two yellow iris mats/populations out of Bony Lake with assistance from two volunteers.
* Removed the few purple loosestrife plants growing along County Road G, which may have originated from a person’s yard in Moquah.
* Served as a contact for the HWM control project on Lake Namakagon; led the hand pulling efforts in six of eight manual removal events, planned a stakeholder meeting, and interviewed with an Ashland Daily Press reporter for the story when statewide partners arrived for the Lake Partnership meeting.
* Communicated new discoveries of yellow iris (YI) by Northland College at Lake Owen with local volunteers, property owners, and the U.S. Forest Service to increase monitoring and control efforts on that lake; worked with Northland College to remove flowers and seed capsules to reduce plant spread. Northland College also surveyed for and made maps of YI locations.
* Provided guidance in hand pulling and Diver Assisted Suction Harvester control efforts of curly-leaf pondweed on the Eau Claire Chain of Lakes
* Updated AIS locations

**Goal D: Maintain and Expand Partnerships**

* The Invasive Species ID Days remained popular this year, and we added partners. Our partners with the Friends of the Eau Claire Lakes Area, Master Gardeners, Superior Rivers Watershed Association, WI DNR, U.S. Forest Service, National Park Service, UW-Extension, and the Bad River Band of Lake Superior Chippewa joined us again in 2018. In 2019, we will include the UW-Stevens Point Northern Aquaculture Demonstration Facility. We would like to: have guest speakers from other organizations, wear costumes, create family-friendly activities and run the event from May-October, too.
* Ramona Shackleford (Northwoods Cooperative Weed Management Area Coordinator) has attended Bayfield County AIS Committee and Land Conservation Committee meetings and provided reports.
* Participated in conversations with DNR and NCWMA about Best Management Practices and concerns over continued use of herbicide as a form of invasive species control
* Worked with Harmony Environmental, the Lake Owen Association, and several other partners to discuss and consider implementing decontamination stations and an associated ordinance in the Lake Owen area
* Partnered with the NCWMA, Landmark Conservancy, and National Park Service to educate in Bayfield while hand pulling invasive plants with the Sea Scouts in the rain gardens
* Continued partnership with the St. Croix River Association by sharing updates/ideas, attending meetings, and assisting with zebra mussel veliger tows on Upper Eau Claire Lake and Lake Namakagon
* Attended the Wisconsin Lakes Partnership Conference (with an AIS Committee member), Northwest Wisconsin Lakes Conference (with two interns), and the Upper Midwest Invasive Species Conference (with one intern)

***Other accomplishments***

The reports prepared for the Bayfield County AIS Committee and Land Conservation Committee have been included with this document. These reports list other activities the AIS project has done in support of this grant and the Bayfield County AIS Strategic Plan. The minutes of the Bayfield County AIS committee are also included to provide further information on the AIS planning efforts in Bayfield County. We worked in partnership with the Northwoods CWMA to put on Invasive Species ID Day events from May-October, and I have included fliers and photos from these events. The Ashland Daily Press wrote several articles about our activities in summer 2018, which are also included.

\*Of note, the counties with WI Lake Superior shoreline took a beating from Mother Nature in 2018 (like the 2016 storm events). Many towns and lakes suffered from intense flooding and much higher than average precipitation and water retention. This was especially true at Pigeon Lake. This affected site accessibility, safety, and fieldwork for several weeks. We are also concerned about how the seed bank and fragments of invasive plants have moved around. Our partners are also concerned about how new, albeit temporary, water connectivity changed the distribution of other invasive species.

**AIS ACTIVITIES 19 November 2017—10 February 2018** LCC /AISC

**Grant Updates**:

* *County AIS Project grant* 
  + Started 2018 with $37,962.65 from WI DNR AIS Education, Prevention, and Planning (AEPP) Grant. We have $35,929.24 left. Most of the grant supports the full time AIS coordinator position and a portion of part time support for the program. This grant should carry us a few more months.
  + We have applied for and received a grant extension through 2018 to use up remaining funds.
* *County CBCW Iron River & Delta Area grant* 
  + We are working with the WDNR to close this grant for 2015.
  + Delta Area Lake Association (DALA) has officially dissolved and submitted a check to Bayfield County LWCD for $1033.59 to use for 2018 CBCW inspections at Delta and Twin Bear landings.
  + We applied for and received another $20,000 CBCW grant to use on Long Lake, Delta Lake, and the Pike Chain of Lakes in 2018.
* *Lake Superior CBCW Grant*
  + The 2015 grant is now closed, and the WDNR has issued full reimbursement for all eligible costs.
  + We applied for and received another $16,000 CBCW grant to use on Lake Superior in 2018.

**Outreach/Workshops**:

* Presented “A Day in the Life of an AIS Coordinator” at Chequamegon Bay Area Partnership (CBAP) Brown Bag Session in the Northern Great Lakes Visitor Center (NGLVC)
* Provided an informational table at Northland College Job Fair to seek interns for CBCW

**Meetings/Trainings:**

* December 7th –Conference call for consultation and review of Bayfield County AEPP grant application
* January 5th, February 2nd–Monthly LYNC conference call
* January 12th –Meeting at NGLVC to discuss Invasive Species ID Days with partners
* January 12th—“Tips for Working with the Media” webinar through Sea Grant and UW-Extension
* January 19th –NCWMA meeting at Ashland DNR Service Center
* February 9th –“Design for the Rest of Us” webinar through Sea Grant and UW-Extension

**Other Events/Activities**:

* Submitted nomination for advanced training with the Wisconsin Lake Leaders Institute
* We applied for our 6th consecutive AEPP grant, and we are waiting to hear back from the WDNR
* Worked on updating and completing the Bayfield County AIS Strategic Plan, and sending it to members
* Coordinated with USFS partner about Invasive Species ID Day guest speakers, activities and partners

**Future Events/Activities:**

* Invasive Species ID Days May 16or 17, June 15, July 20, August 17, September 14, October 12, NGLVC
* Wisconsin Lakes Partnership Convention in Stevens Point from March 30th-April 1st
* Bayfield County AIS Roundtable—April 30th from 8:30 AM-12:00 PM at Drummond Town Hall
* Botanical Club of Wisconsin meeting—July 16th at the NGLVC
* WI Wetlands, Michigan Inland Lakes Partnership, Northwest WI Lakes, and Upper Midwest Invasive Species Conferences on February 25-27, April 28-30, June 25 and October 17-19 respectively

**Staff Report | May 13, 2018**

Andrew Teal

Aquatic Invasive Species (AIS) Coordinator

**Grant Updates**

*County AIS Project grant*

* Started 2018 with $37,962.65 from WI DNR AIS Education, Prevention, and Planning (AEPP) Grant. We have $20,765.35 remaining. Most of the grant supports the full-time AIS coordinator position and a portion of part-time program support, extended through December 31, 2018.
* **NEW GRANT!** We applied for and received a DNR Aquatic Invasive Species Education, Prevention and Planning grant, with a total state award of $137,113.36. This grant will extend the AIS Coordinator position out at least through 2018. These funds support ongoing monitoring, addition of AIS to the county app, a DIY sampling equipment workshop and much more.

*County CBCW Iron River and Delta Area grant*

* Delta Area Lake Association (DALA) has officially dissolved and submitted a check to Bayfield County LWCD for $1033.59 to use for 2018 CBCW inspections at Delta and Twin Bear landings.
* We applied for and received another $20,000 CBCW grant to use on Long Lake, Delta Lake and three Pike Chain of Lakes landings in 2018.
* We will work with the PCLA president and CBCW coordinator to use new match sources this year

*Lake Superior CBCW grant*

* We applied for and received another $16,000 CBCW grant to use on Lake Superior in 2018.
* Two Northland College interns will cover four landings between Bayfield and Douglas Counties

**Outreach/Workshops**

* February 11—Informational table at Northland College Job Fair to recruit interns for CBCW
* April 2—Wild Rivers Fishing Expo, the Ponzio at Northland College
* April 12—ROW Invasive Plant Workshop for Bayfield County Highway Dept. on behalf of NCWMA
* April 19—Refresher webinar for CBCW/CLMN trainers
* April 25—Family Science Night at Washburn Elementary/Middle School
* May 6—Barnes Volunteer Appreciation Luncheon at Barnes Town Hall

**Meetings/Trainings**

* Feb 16, March 15, April 12, May 4- NCWMA meetings at GLIFWC Office in Odanah and NGLVC
* February 22—Winter AIS Coordinator call; I gave a five-minute spiel about Invasive Species ID Day
* February 24—Invasive Species ID Day planning meeting at NGLVC
* March 9—LCC meeting in EOC, Annex Building
* March 15—Invasive Species ID Day planning meeting at NGLVC
* March 17—Story Maps for Attractions and Trails meeting at Courthouse
* April 5—Conducted four CBCW intern interviews with Arianna and Ben at Northland College; toured UWSP-Northern Aquaculture Demonstration Facility with Arianna, Ben and Travis
* April 8—Conducted two CBCW intern phone interviews with Arianna and Ben
* April 18—Barnes AIS Committee meeting in Barnes
* April 20-21—Spring AIS and CWMA Coordinators Meetings at George W. Mead Wildlife Area
* April 26—CBCW Training at Cable Community Center
* April 30—Bayfield County Lake Groups AIS Round Table Discussion in Drummond
* May 7—Presented AIS decontamination and ID during BRWA training at Whittlesey Creek Shelter
* May 11—Bayfield County AIS Committee Meeting in Annex Building

**Other Events/Activities**

* Submitted nomination, application, and deposit for the Wisconsin Lake Leaders Institute
* Updating and completing the Bayfield County AIS Strategic Plan, and sending it to members
* Coordinated with USFS about Invasive Species ID Day guest speakers, activities and partners
* Clerical duties to keep budget balanced and tracked, paid and filed invoices, answered calls
* March 30-April 1—Attended WI Lakes Partnership Convention with Sally Pease
* April 26—LEEP Macroinvertebrates Lab at Drummond Middle School

**Future Events/Activities**

* Invasive Species ID Days May17, June 14, July 20, August 17, September 14, October 12, from 1-4 PM at the NGLVC. The October date will likely run differently to accommodate school schedules
* May 19-21—Chequamegon Bay Bird and Nature Festival based at the NGLVC,
* May 16, 20-22—Knotweed monitoring
* May 24-27—Knotweed Knockout Days, if the knotweed is growing and tall enough
* June 3—CBCW training at Sigurd Olson Environmental Institute, Northland College, 8-11 AM
* June 28-30—Aquatic Plant ID training at Kemp Station in Woodruff (choose one session)-registration opened on May 10, but fills up fast
* Botanical Club of Wisconsin Annual Meeting—July 16 from 10 AM-3 PM at the NGLVC
* July 21-24—Iron River Blueberry Festival
* June 24—Northwest WI Lakes Conference at Spooner High School-register at [www.northland.edu/sustain/soei/lakesconference](https://www.northland.edu/sustain/soei/lakesconference/)
* Oct 17-19—Upper Midwest Invasive Species Conference in La Crosse-register at [www.umisc.net](http://www.umisc.net/)

**AIS ACTIVITIES 12 May 2018—19 August 2018** LCC /AISC

**Grant Updates**

* *County AIS Project grant* 
  + WI DNR AIS Education, Prevention, and Planning (AEPP) Grant has $9,172.36 remaining. Most of the grant supports the full time AIS coordinator position and a portion of part time program support, extended through December 31, 2018.
  + **NEW GRANT!** We applied for and received a DNR Aquatic Invasive Species Education, Prevention, and Planning grant, with a total state award of $137,113.36. This grant will extend the AIS Coordinator position out at least through 2018. These funds support ongoing monitoring, addition of AIS to the county app, a DIY sampling equipment workshop and much more.
* *County CBCW Iron River & Delta Area grant* 
  + Delta Area Lake Association (DALA) has officially dissolved and submitted a check to Bayfield County LWCD for $1,033.59 to use for 2018 CBCW inspections at Delta and Twin Bear landings.
  + There is still $9,011.94 to use on Long Lake, Delta Lake, and three Pike Chain of Lakes landings.
  + The Pike Chain is now using an increased number of volunteer hours and a power wash unit to clean boats at Twin Bear landing. Jane Malischke’s email response stated this counts as match.
  + Hours worked at each of these five landings are as follows:

-Twin Bear County Park: 393

-Buskey Bay Hyde’s Landing: 154

-Buskey Bay Town Landing: 79

-Long Lake: 173

-Delta Lake: 85

* *Lake Superior CBCW Grant*
  + We applied for and received another $16,000 CBCW grant to use on Lake Superior in 2018.
  + Two Northland College interns will cover four landings between Bayfield, Ashland, and Douglas Counties. I temporarily shifted coverage for Washburn Marina to Wikdal Memorial Boat Landing due to heavy construction activity and ramp closures, approved by Jane Malischke.
  + Hours worked at each of these four landings are as follows:

-2nd Landing: 164

-Washburn Marina/Wikdal Memorial: 136

-Bayfield City Boat Launch: 124

-Loon’s Foot: 218

**Outreach/Workshops**

* May 17th, June 15th, July 20th, August 17th—Invasive Species ID Day at NGLVC
* May 19th—Lakeshore Trail Hike Talk with National Park Service for Chequamegon Bay Birding & Nature Festival in Washburn, maintained AIS display at the Northern Great Lakes Visitor Center for this event
* June 4th—Kid’s Fishing Day
* June 25th—Barnes Volunteer Social in Barnes-set up display and discussed AIS at length
* July 4th—Cable Parade-we won 1st place in the groups category!
* July 15th—Monitored Short Bridge Access for CBCW Boater Behavior Study
* July 20th—Weeded Bayfield Rain Gardens at NPS Headquarters with NCWMA Coordinator & Sea Scouts
* July 22nd-24th—Set up display at Iron River Blueberry Fest flea market—spoke with dozens of people
* August 11th-14th—Set up display at Bayfield County Fair, with several volunteers manning the booth
* August 14th—Monitored Washburn Marina Access for CBCW Boater Behavior Study

**Meetings/Trainings**

* May 17th—Project RED Train the Trainer workshop/webinar
* May 20th—Barnes DASH boat work plan creation meeting
* May 21st, July 3rd—Friends of Crystal Lake Meetings at Crystal Lake
* May 23rd—Herbicide Training at NGLVC with the NCWMA partners; phone interview of a possible intern
* June 3rd—Clean Boats Clean Waters (CBCW) training at Northland College
* June 6th—CBCW Boater Behavior Study conference call
* June 8th—St. Croix River Association General Team meeting in Grantsburg
* June 9th—Intern orientation at Bayfield County
* June 13th, July 11th, August 8th—Barnes AIS Committee Meetings
* July 12th, August 9th --NCWMA meetings at GLIFWC Office in Odanah and NGLVC
* July 16th—Friends of the Eau Claire Lakes and Lake Owen Annual Meetings
* July 25th—Phone calls about a troublesome watercraft inspector, the Lake Tahkodah Chair had questions about AIS insurance and finding ways to decrease boat traffic, and worked out some next steps with Lake Namakagon for their hybrid watermilfoil discovery. Overall, a strange day.
* August 9th—Conference call with stakeholders to discuss more detailed steps to take against the hybrid watermilfoil in Lake Namakagon
* August 10th—AIS Bridge Snapshot Day Train the Trainers webinar
* August 12th—Friends of the White River annual meeting and picnic at Grand View Park
* August 16th—Lakes Partnership Meeting at Northland College

**Other Events/Activities**

* May 15th—Attended the Chequamegon Water Collaborative Conference at NGLVC
* May 18th—LEEP Field Day in Barnes
* June 10th, June 17th, June 23rd, August 3rd, Knotweed Spraying in Bayfield, Iron River, Eileen & Herbster (one site each), County Road C & Iron River spray/respray,
* June 20th –Collected suspicious plants from Lakewoods Resort Landing for pressing; later confirmed by DNR through DNA testing that it was hybrid watermilfoil
* June 24th—Attended Northwest Wisconsin Lakes Conference in Spooner
* July 7th-8th—Went out to Lake Owen with a Northland College student to cut off yellow iris flowers and seed capsules—got about five garbage bag loads.
* July 27th—Hybrid watermilfoil hand pulling at Lake Namakagon—had 9 volunteers help
* August 11th, 13th, 14th—monitored the Iron River for curly-leaf pondweed. The search is on-going
* August 12th—paddled around Lake Wilipyro looking for suspicious plants reported by a resident. Found said plants. Turns out to be dead/dying rhizome from a native plant.
* August 15th—professional grade hybrid watermilfoil monitoring and hand pull at Lake Namakagon

**Future Events/Activities**

* August 19th—Project RED training and float down the Namakagon River from 12 PM—4 PM
* September 10th & 11th—AIS Bridge Snapshot Day in Barnes and at the NGLVC-register at <https://www.wisconsinrivers.org/events/display/item/snapshot-day-5>
* Invasive Species ID Days September 14 and October 12, from 1 PM—4 PM and 11 AM—2 PM at the NGLVC, respectively. The October date will run differently to accommodate school schedules.
* September 27th—Chequamegon Bay Area Partnership project priorities meeting from 9 AM—1 PM
* October 17-19—Upper Midwest Invasive Species Conference in La Crosse-registration open at <http://www.umisc.net/>

**AIS ACTIVITIES 15 September 2018—30 November 2018** LCC /AISC

**Grant Updates**:

* *County AIS Project grant* 
  + WI DNR 2014-2015 AIS Education, Prevention, and Planning (AEPP) Grant has $0.00 remaining. We will not seek an extension for it, and final report compiling has commenced.
  + The new 2018-2018 WI DNR Aquatic Invasive Species Education, Prevention, and Planning grant has $127,075.25 remaining. This grant will extend the AIS Coordinator position out to 2018.
* *County CBCW Iron River & Delta Area grant* 
  + This grant is used up. An incredible amount of match has come in this year. We have a conservative $8,000 in match, possibly more when I finalize the match workbook.
* *Lake Superior CBCW Grant*
  + We will apply for another grant for 2017; however, I would like feedback about how much to apply for. Two interns on four landings was a big challenge, but even if we get more interns, the NCWMA has boat wash funds it can and would like to use. Would also like to improve waterfowl hunter outreach using information learned at the statewide AIS Coordinators meeting

**Outreach/Workshops**:

* September 20th—LEEP Field Day in Barnes
* September 30th—LEEP Wrap Up Day in Drummond
* October 12th—Student Science Research Symposium (Invasive Species ID Days event) at the NGLVC. This event was a huge success with students and teachers alike.

**Meetings/Trainings:**

* September 27th—Cheq. Bay Area Partnership project priorities meeting at SOEI
* October 1st—Namakagon Lake Association meeting; Iron Lake Association meeting (gave a talk about local things that I noticed at the lake)
* October 3rd—Training webinar for UMISC volunteering
* October 4th—Monthly LYNC meeting/conference call
* October 14th—LCC Fall Tour in Bayfield County
* October 24th—Lake Namakagon ED/RR grant meeting at Namakagon Community Center
* October 25th—Northwest WI AIS Coordinators meeting in Spooner
* November 9th—NCWMA meeting at the NGLVC
* November 15-16th—Statewide AIS Coordinators meeting at George W. Mead Wildlife Area

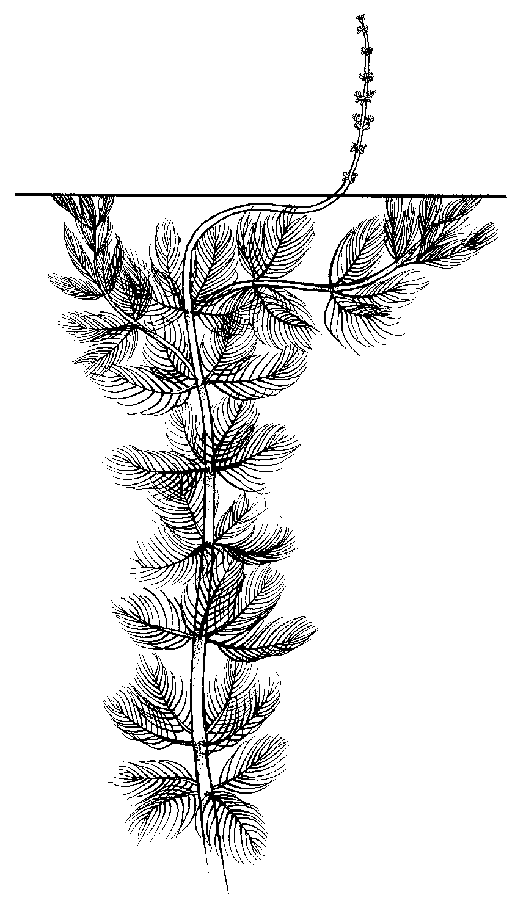
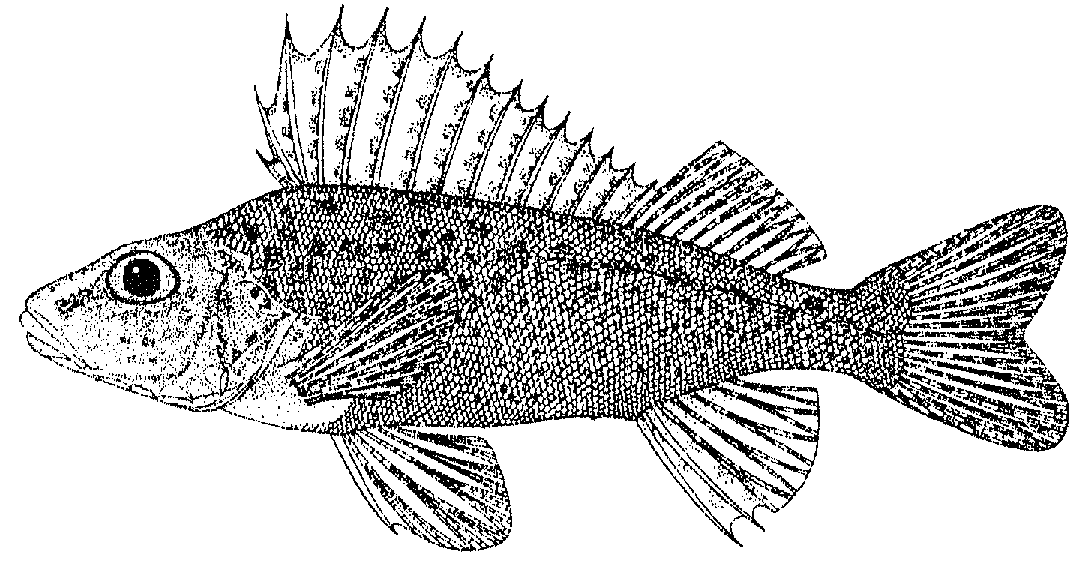
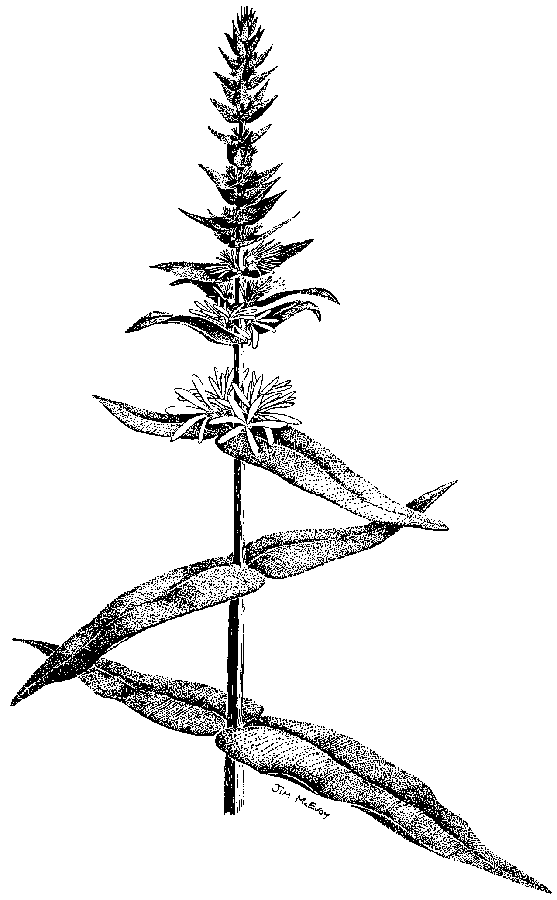
**Other Events/Activities**:

* September 15th—Giant knotweed treatment at Herbster Beach Resort
* September 22nd —Lake Namakagon hybrid watermilfoil hand pulling at Lakewoods Resort
* September 28th—Curly-leaf pondweed hand pulling in the Iron River; visual survey of Iron Lake for invasive plants
* October 16-19—Upper Midwest Invasive Species Conference in La Crosse

**Future Events/Activities:**

* December 1st—SCRA General Team Meeting at William O’Brien State Park; Big McKenzie Lake Zebra Mussel Public Information Meeting in Spooner
* December 5th—Meetings in Barnes and Namakagon for AIS grant writing (December 10th is the deadline)
* December 15th—Webinar for Bait Dealer Outreach

**Bayfield County**



**Aquatic Invasive Species**

**Committee**

Chair: Nan Olson

Vice Chair: Jim Krueger

**To:**  Nan Olson, Jim Krueger, William Bussey, Jeremy Oswald, Sally Pease, and Sarah Boles

**From:** Andrew Teal – Bayfield County Aquatic Invasive Species (AIS) Coordinator

Please be informed that the Bayfield County Aquatic Invasive Species Committee will meet:

**Wednesday, February 28, 2018 from 9:00 AM to 11:00 AM**

**Location: Conference Room A, Bayfield County Courthouse Building, Washburn, WI**

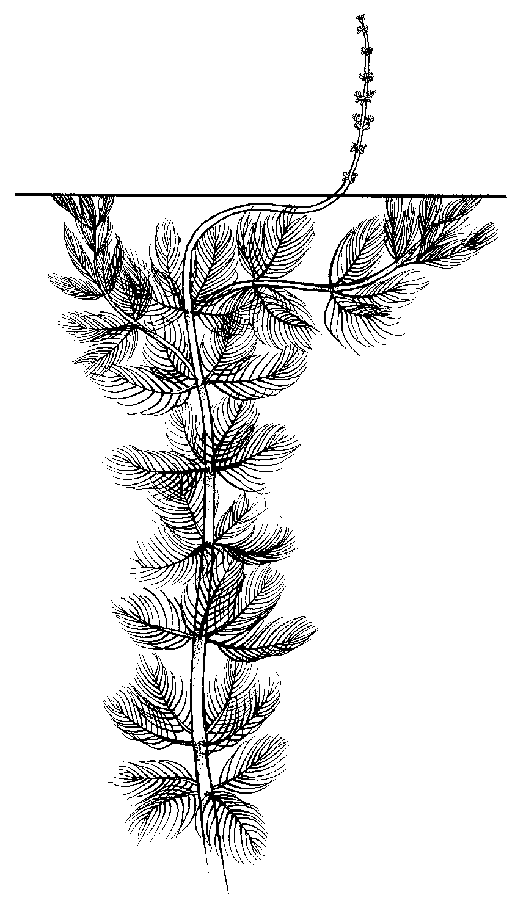
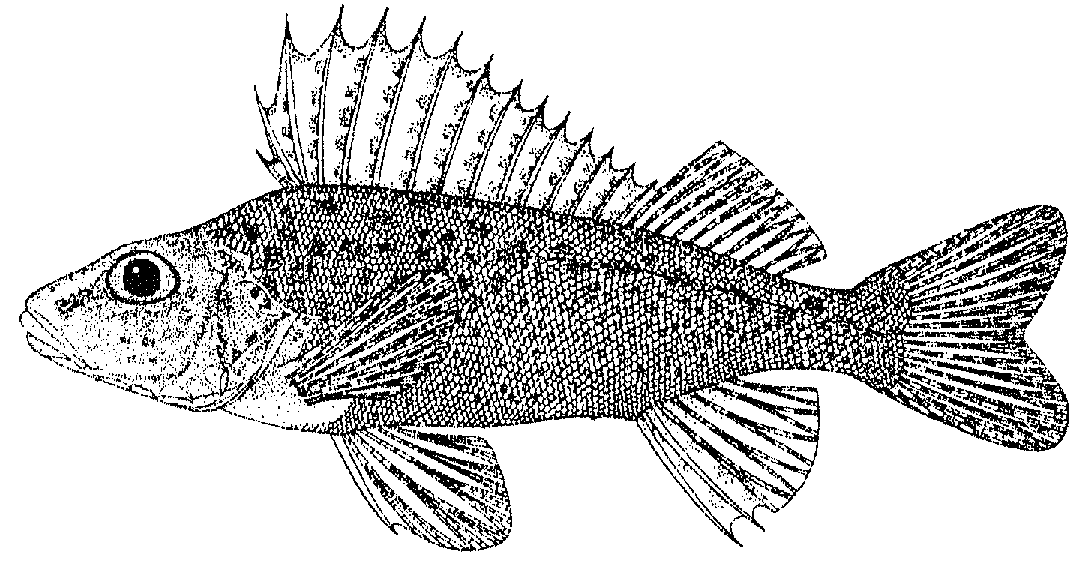
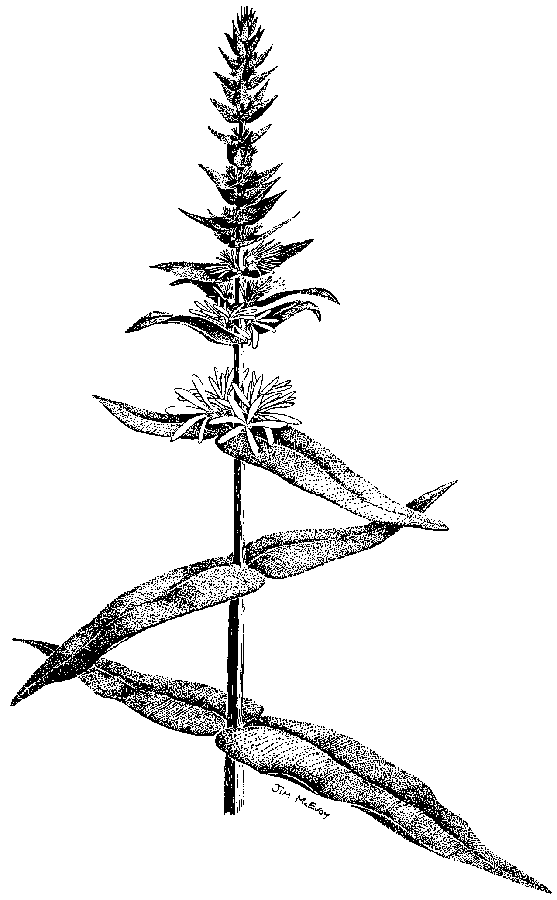
**AGENDA**

The agenda for the meeting is as follows:

1. Call to Order
2. Introductions
3. Public Comment
4. Approval of Minutes from 11-29-2017
5. Grant Updates
6. *Discussion/update: Zebra Mussel Workshop in Spooner*
7. *Discussion: Boat Wash Unit survey/questionnaire-refer to Vilas County program*
8. *Discussion: Lake Namakagon and Eau Claire Chain of Lakes-St. Croix River Association zebra mussel veliger tows?*
9. AIS Coordinators Report
10. Partner/Department Reports
11. Future AIS Activities
    1. Statewide AIS Coordinator/Cooperative Weed Management Area meeting, March 5-7, Beaver Creek Reserve in Eau Claire
    2. Wild Rivers Trout Unlimited Fishing Expo, March 31 (note date change), Ponzio at Northland College
    3. Interviewing, hiring Clean Boats Clean Waters Interns
    4. Citizen Lake Monitoring Network Train The Trainer workshop, 9 AM-3 PM on May 10, at the Arbor Vitae Town Hall in Vilas County
    5. Invasive Species ID Days, Northern Great Lakes Visitor Center, June 8, July 13, August 17, September 21, October 12 (October’s will be the Student Science Research Symposium; May’s will be held at Bayfield In Bloom)
12. Other Business
13. Adjournment

*Any person wishing to attend who, because of a disability, requires special accommodations, should contact the LWCD at 715-373-6167, at least 24 hours before the scheduled meeting time, so appropriate arrangements can be made.*

**Bayfield County**



**Aquatic Invasive Species**

**Committee**

Chair: Nan Olson

Vice Chair: Jim Krueger

**To:**  Nan Olson, Jim Krueger, William Bussey, Jeremy Oswald, Sally Pease, and Sarah Boles

**From:** Andrew Teal – Bayfield County Aquatic Invasive Species (AIS) Coordinator

Please be informed that the Bayfield County Aquatic Invasive Species Committee will meet:

**Wednesday, May 23, 2018 from 9:00 AM to 11:00 AM**

**Location: Conference Room A, Bayfield County Courthouse Building, Washburn, WI**

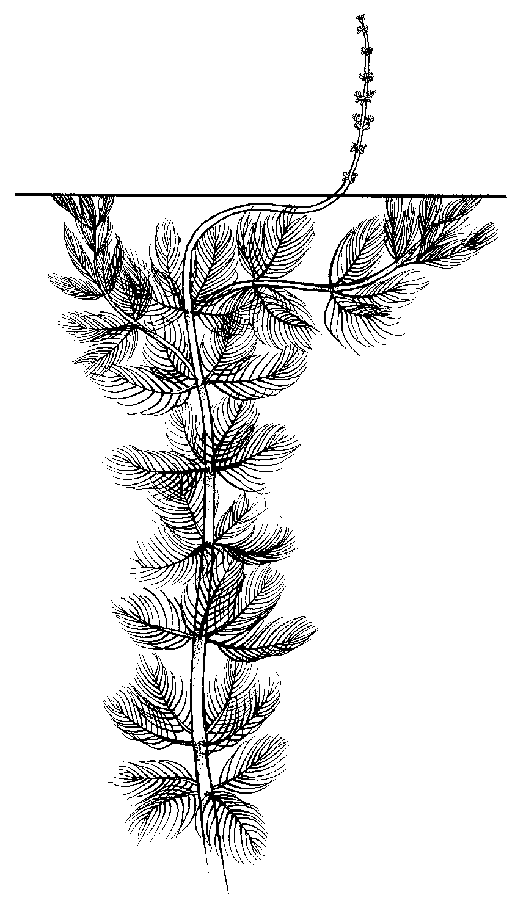
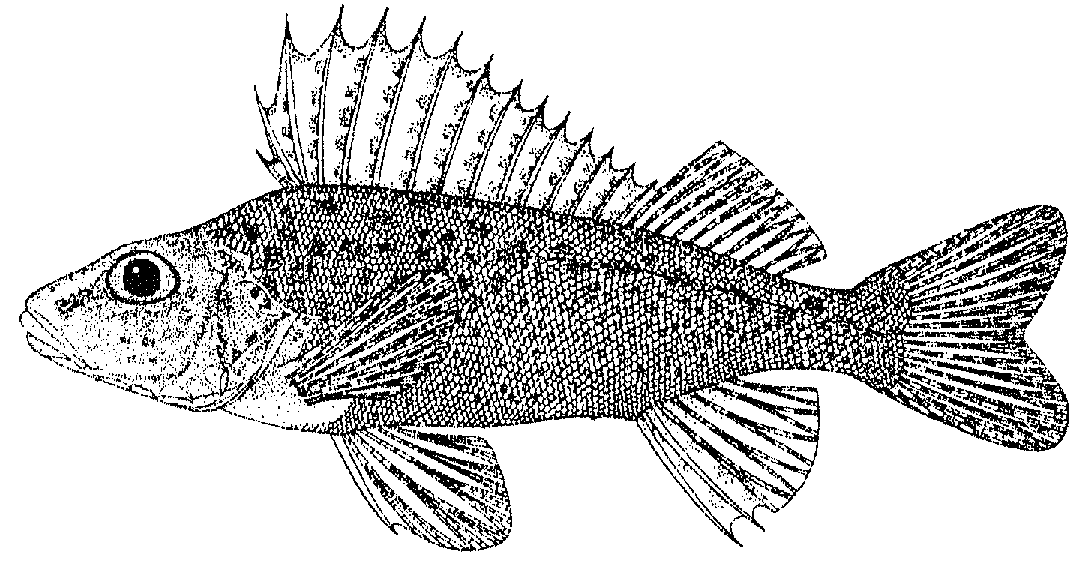
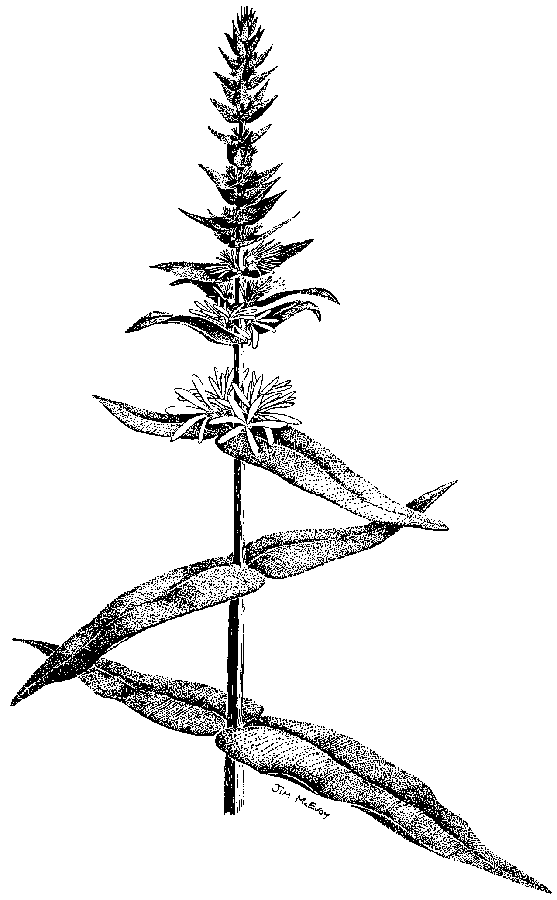
**AGENDA**

The agenda for the meeting is as follows:

1. Call to Order
2. Introductions-new members!
3. Public Comment
4. Approval of Minutes from 02-28-2018
5. Grant Updates
6. *Discussion/possible action: Citizen Committee member search*
7. *Discussion: Town of Grand View request for guidance in AIS programs*
8. *Discussion: Purple loosestrife beetle monitoring in Bayfield County*
9. AIS Coordinators Report
10. Partner/Department Reports
11. Future AIS Activities
    1. Drain Campaign weekend, June 1-3, statewide-we will hand out ice packs to anglers to encourage draining water
    2. Northwest WI Lakes Conference, June 22, Spooner High School-we encourage all lake lovers to attend!
    3. Landing Blitz weekend, June 29-July 4, statewide-we will hand out Stop Aquatic Hitchhiker towels to all boaters
    4. AIS Snapshot Day, August 18, statewide
    5. Invasive Species ID Days, Northern Great Lakes Visitor Center, June 8, July 13, August 17, September 21, October 12 (October’s will be the Student Science Research Symposium)
12. Other Business
13. Adjournment

*Any person wishing to attend who, because of a disability, requires special accommodations, should contact the LWCD at 715-373-6167, at least 24 hours before the scheduled meeting time, so appropriate arrangements can be made.*

**Bayfield County**



**Aquatic Invasive Species**

**Committee**

Chair: Nan Olson

Vice Chair: Jim Krueger

**To:**  Nan Olson, Jim Krueger, Larry Fickbohm, Jeremy Oswald, Reed Saam, and Sally Pease

**From:** Andrew Teal – Bayfield County Aquatic Invasive Species (AIS) Coordinator

Please be informed that the Bayfield County Aquatic Invasive Species Committee will meet:

**Wednesday, August 29, 2018 from 9:00 AM to 11:00 AM**

**Location: Conference Room A, Bayfield County Courthouse Building, Washburn, WI**

**AGENDA**

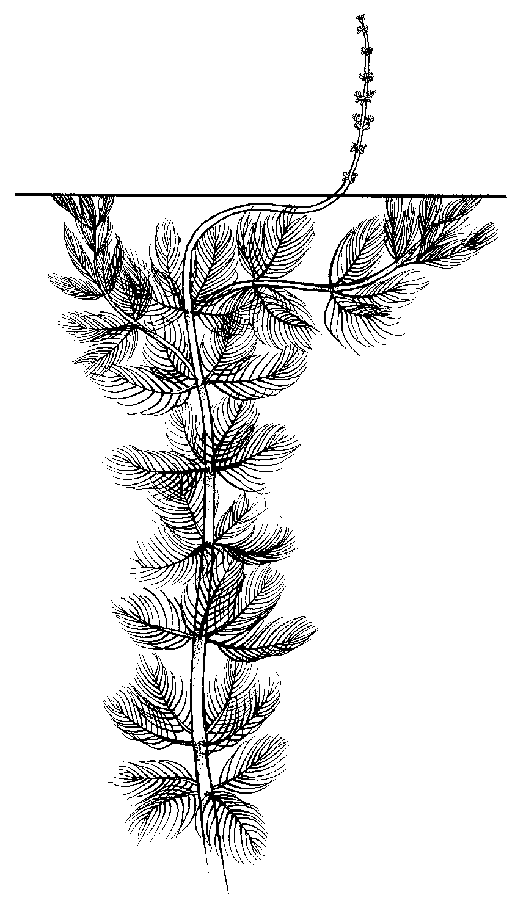
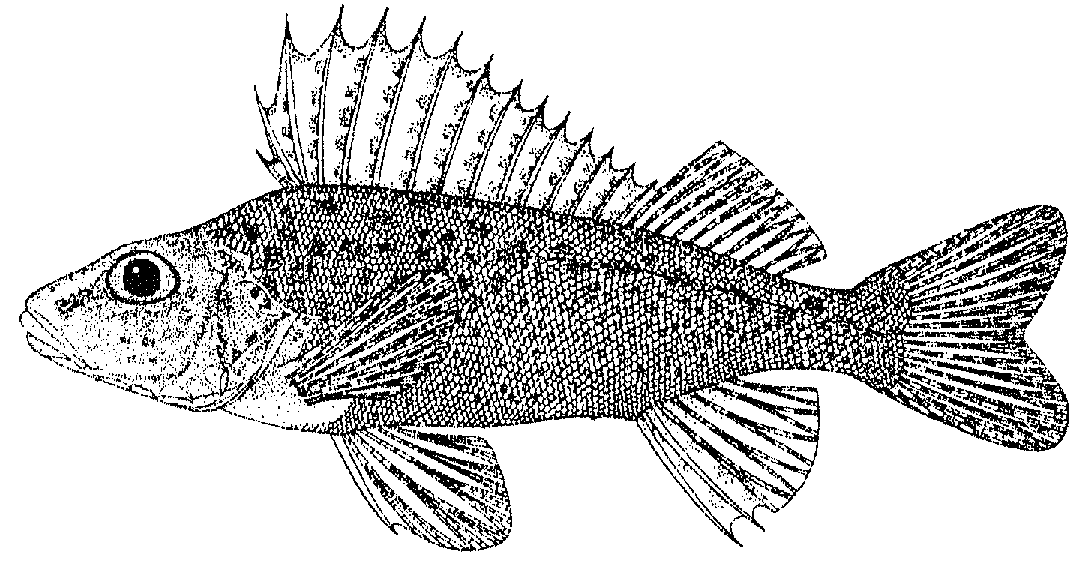
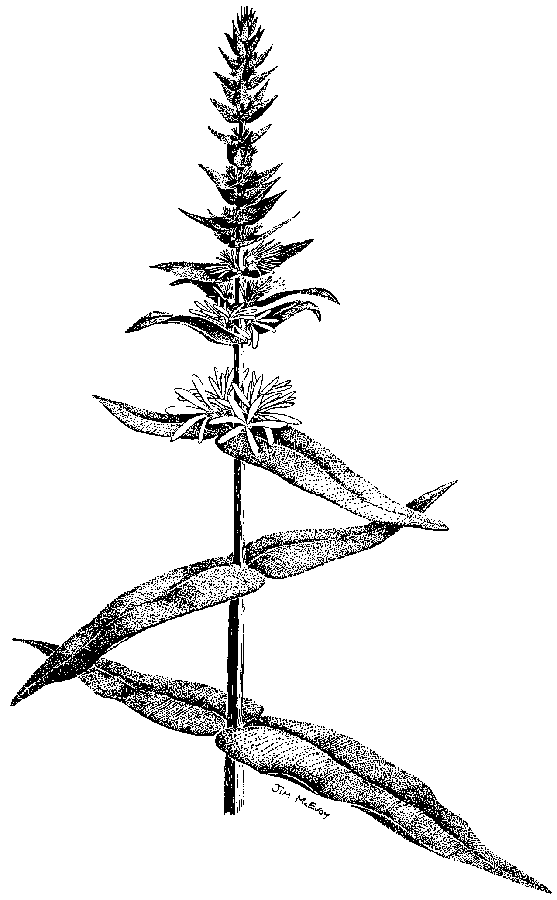
The agenda for the meeting is as follows:

1. Call to Order
2. Introductions

1. Public Comment
2. Approval of Minutes from 05-23-2018
3. Grant Updates
4. *Discussion/possible action: Citizen Committee member search/confirmation*
5. *Discussion/possible action: Review new draft of No Transport Ordinance*
6. *Discussion: Advocating for creation of full-time Lakes Specialist position in Bayfield County*
7. *Discussion: Bayfield County AIS Grant application and seeking match to apply*
8. AIS Coordinators Report
9. Partner/Department Reports
10. Future AIS Activities
    1. LEEP indoor labs and Field Day, Barnes, dates TBD
    2. Invasive Species ID Days, Northern Great Lakes Visitor Center September 21 and October 12 (October’s will be the Student Science Research Symposium)
    3. Upper Midwest Invasive Species Conference, Mayo Civic Center in Rochester MN, October 15-18
    4. Lake Superior Collaborative Symposium, Northern Great Lakes Visitor Center, October 24-25
11. Other Business
12. Adjournment

*Any person wishing to attend who, because of a disability, requires special accommodations, should contact the LWCD at 715-373-6167, at least 24 hours before the scheduled meeting time, so appropriate arrangements can be made.*

**Bayfield County**



**Aquatic Invasive Species**

**Committee**

Chair: Nan Olson

Vice Chair: Jim Krueger

**To:**  Nan Olson, Jim Krueger, Larry Fickbohm, Jeremy Oswald, Reed Saam, and Sally Pease

**From:** Andrew Teal – Bayfield County Aquatic Invasive Species (AIS) Coordinator

Please be informed that the Bayfield County Aquatic Invasive Species Committee will meet:

**Wednesday, September 12th, 2018 from 9:00 AM to 9:30 AM**

**Location: EOC Conference Room, Bayfield County Annex Building, Washburn, WI**

**AGENDA**

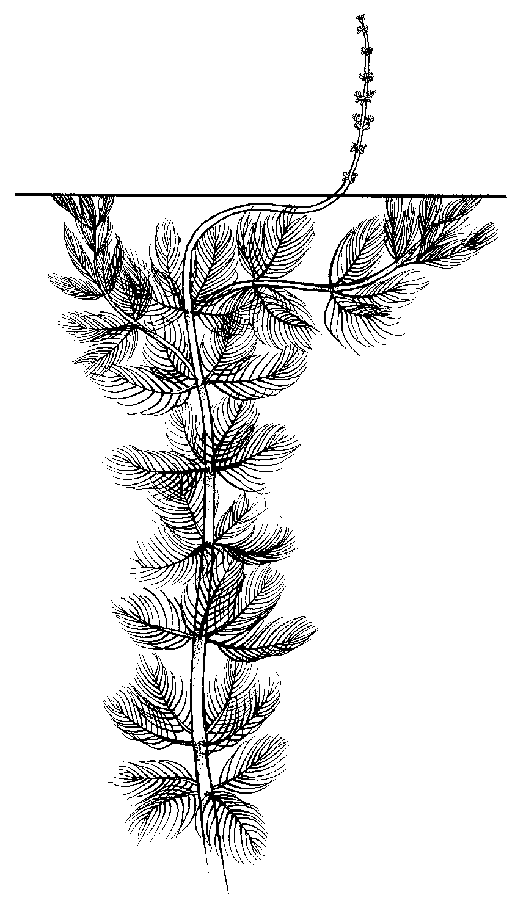
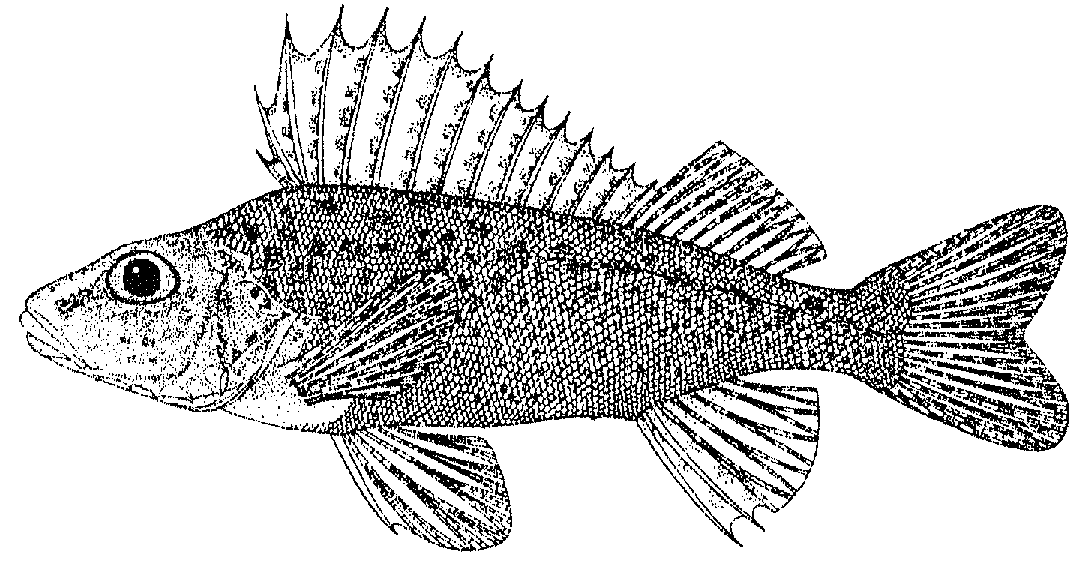
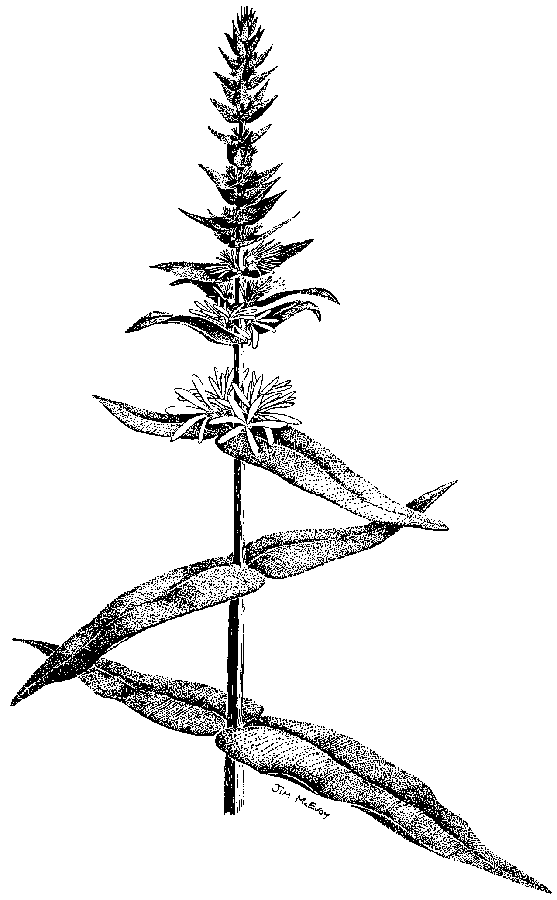
The agenda for the meeting is as follows:

1. Call to Order
2. Introductions

1. Public Comment
2. Approval of Minutes from 08-29-2018
3. *Discussion/possible action on Resolution of formal support of Bayfield Co. AIS Committee advocating creation of a full-time Lake Conservation Specialist position in Bayfield County.*
4. *Discussion/possible action on Resolution for Bayfield County Board to request WI DNR Grant Funding to support Bayfield County AIS Program.*
5. Adjournment

*Any person wishing to attend who, because of a disability, requires special accommodations, should contact the LWCD at 715-373-6167, at least 24 hours before the scheduled meeting time, so appropriate arrangements can be made.*

**Bayfield County**



**Aquatic Invasive Species**

**Committee**

Chair: Nan Olson

Vice Chair: Jim Krueger

**To:**  Nan Olson, Jim Krueger, Larry Fickbohm, Jeremy Oswald, Reed Saam, and Sally Pease

**From:** Andrew Teal – Bayfield County Aquatic Invasive Species (AIS) Coordinator

Please be informed that the Bayfield County Aquatic Invasive Species Committee will meet:

**Wednesday, November 28, 2018 from 9:00 AM to 11:00 AM**

**Location: Conference Room A, Bayfield County Courthouse Building, Washburn, WI**

**AGENDA**

The agenda for the meeting is as follows:

1. Call to Order
2. Introductions

1. Public Comment
2. Approval of Minutes from 09-12-2018
3. Grant Updates
4. *Discussion/possible action: Citizen Committee Member-Business Representative search/confirmation*
5. *Discussion/possible action: Discuss language of No Transport Ordinance regarding decontamination; can we require this or simply encourage it, and how do we make it as feasible and effective as possible?*
6. *Discussion/possible action: Recent and ongoing communications to consider centrally located decontamination units in Bayfield County through organization partnerships, and a state-level Decontamination Collaborative*
7. *Discussion/possible action: Where to house the CBCW-Iron River watercraft inspectors beginning in 2019*
8. *Discussion/possible action: Efforts to prevent boaters from sexually harassing watercraft inspectors at boat landings*
9. *Discussion: Surface Water Conservation Specialist funding, and DNR funding changes forecasted for spring 2020*
10. AIS Coordinators Report
11. Partner/Department Reports
12. Future AIS Activities
    1. Wisconsin Lakes Partnership Convention, Stevens Point WI, April 10-12, 2019
    2. AIS Snapshot Day, August 17, 2019
13. Other Business
14. Adjournment

*Any person wishing to attend who, because of a disability, requires special accommodations, should contact the LWCD at 715-373-6167, at least 24 hours before the scheduled meeting time, so appropriate arrangements can be made.*

**MINUTES**

**February 28, 2018 (to be approved)**

*Present:* Nan Olson, Jim Krueger, Jeremy Oswald, Sally Pease, William Bussey

*Staff:* Andrew Teal, AIS Coordinator;

*Absent:* Sarah Boles

*Attendance:* Ellen Lafans-Bayfield County Lakes Forum Director; Reed Saam-Biological Technician/Treaty Natural Resources/Red Cliff; Melissa Kraft-LWCD Assistant; Ramona Shackleford-NCWMA Coordinator

1. **Call to Order:** Nan called the meeting to order at 9:05 a.m.
2. **Introductions:** Brief introductions were conducted. Bill Bussey announced he is retiring from the Bayfield County Board and his service ends mid-April and new committee assignments will be made.
3. **Public Comment:**

**Ellen Lafans** reported that she gave a presentation before the Bayfield County Zoning and Planning Committee on February 15, 2018, regarding the Bayfield Co. Flood and Erosion Hazard Prevention Working Group. The group formed to help develop recommendations for the Bayfield Co Planning and Zoning Committee to consider regarding flooding and erosion prevention standards adopted by other Wisconsin counties to reduce property damage and safety risks arising from major storms.

Tim Kane recently retired as the UW-Extension Community Development Educator for Bayfield County. His position has not been filled to date as applications are being accepted until March 1st, 2018.

1. **Motion:** Approve minutes from November 29th, 2017 - AIS Committee meeting**.** Pease/Krueger – carried.
2. **Grant Updates:** Andy reported he applied for and received Clean Boats Clean Waters (CBCW) grants for CBCW-Protecting Iron River Lakes totaling $20,000 (advanced payment of $5000 was recently received) and CBCW-Lake Superior totaling $16,000 (advanced payment of $4000 was recently received) for 2018. The 2017 CBCW grant final reimbursements were filed and reimbursements have been received in full and processed.

Partial reimbursement for DNR AIS Grant #5 was submitted and reimbursement is pending DNR approval. 2017 and 2018 budget spreadsheet handout of expenses discussed.

NCWMA Boat Washer grant (Mod 006) was applied for and received in the amount of $14,864.22 through the U.S. Forest Service. Funds the boat wash unit itself and one person to run it, coordinator time to schedule it and boat maintenance. Bayfield County policy states that 2 people must go along to operate the boat washer-one guides the other in backing up and moving it around, and to assist if injuries occur.

Ramona reported a NCWMA grant was applied for and she should be hearing back about that grant soon and will keep the committee updated.

Garlic Mustard grant funds from DNR have arrived, and cover that plant specifically, in addition to rent.

1. **Discussion/Update: Andy attended the 2018 Zebra Mussel Workshop in Spooner**. Around thirty people attended. Met to discuss the discovery of adult zebra mussels on Upper and Middle McKenzie Lakes. Wisconsin Lakes and DNR reported that a property owner on Big McKenzie Lake found zebra mussels attached to his pier. Additional mussels were later found at a water intake and attached to a boat lift. According to DNR, it is the first inland zebra mussel population verified in northwest Wisconsin. The DNR has already committed a $20,000 early detection and response grant to the McKenzie Lake Association. Zebra mussels are an invasive species likely introduced via a ballast water exchange of an ocean-going ship to the Great Lakes from Europe in the mid-1980s. The good news is that fewer that 5 percent of lakes deemed suitable for colonization have zebra mussels but the findings reinforces the need for boaters to stop the spread of invasive species by cleaning their boats off and draining water before leaving the boat landing. Reed noted they were found in the Apostle Islands on the shipwrecks, specifically the Sevona. Scientists from federal agencies are collecting samples and studying genetics to determine their origin. Andy noted researchers had discussed the possibility of using Zequanox, a bacterial-based pesticide, but as a rule it cannot be used to treat more than 50% of the water volume of a lake. Discussed how they tried to control them in a lab with for example potash which is a potassium chloride and have had some positive results. They are finding possible controls in some lakes. Ideas were shared on how to reach out to the public. A big problem found was that wakeboard ballast bags carry a lot more risk of introduction to other lakes when lake hopping. In conclusion, introduction seems to come from local lake hopping.
2. **Discussion: Boat Wash Unit Survey/Questionnaire-refer to Vilas County program-** Andy was contacted by Vilas Co AIS Coordinator to discuss whether or not to create a more extensive survey for boat washer stations or to continue to use the CBCW survey that only asks where a person came from not what other lakes they may be traveling to as well. Bussey recommended if Vilas comes up with one we can look at it and possibly revise ours to include more questions. It was noted that Vilas Co. received a grant under $10,000 to cover one person to operate one boat washer. Stations can consist of a brush, broom, and a bucket (low maintenance, low budget) all the way up to permanent power washing installations.
3. **Discussion: Lake Namakagon and Eau Claire Chain of Lakes-St. Croix River Association zebra mussel veliger tows?** Andy received a call from the Invasive Species Coordinator of the St. Croix River Association asking about possible monitoring in the upper watershed and asked if any Bayfield Co lakes would be a good choice for sample collection. Andy nominated Lake Namakagon and Eau Claire Chain of Lakes. Looking for veligers (juvenile zebra mussels). A net would be set in the lake to capture veligers which would then be taken to a lab for research, specifically for counting. Sally and Jim’s contact information will be provided to the coordinator.
4. **AIS Coordinator’s Report:** Andy shared some of the recent activities.

Attended two meetings with stakeholders regarding the Lake Namakagon Aquatic Plant Management Plan and shared ideas on how to manage invasive hybrid watermilfoil.

Attended Zebra Mussel Strategy workshop in Spooner which focused on disinfecting boats and equipment, research into zebra mussel mortality in live wells and ballast bags given certain conditions, and partnership efforts across the Northwestern part of WI.

Andy set up a table at Northland College to recruit applicants for our CBCW program (the Northland College Job Fair was cancelled this year). Talked to 16 and 5 or 6 took job applications. Ramona will be setting up a table soon for recruiting interns as well.

Collaborated with Susan Nelson at US Forest Service to plan and create Invasive Species ID Days and the Student Science Research Symposium and discussed expanding funding sources.

Attended statewide AIS Coordinator meeting at UW-Stevens Point.

*(Andy Teal’s staff report was reviewed and is on file.)*

1. **Partner/Department Reports:** Ramona noted she has been working on planning projects, attending meetings and setting dates for volunteers especially for pulling Garlic Mustard and a few for wild parsnip. Mar 13th next meeting date for NCWMA. She will be doing a quarterly newsletter and asked if committee has any projects or anything you would want added to the newsletter to please let her know. Brief discussion regarding GPS apps for smart phones to record a location of an invasive species and map it. A picture is taken on the smartphone which is then plotted and recorded on the app. A training will be held in April so Ramona will learn more about it and keep the committee updated.

Reed: Red Cliff is doing AIS monitoring for Asian Rough on the shoreline. Eight sites are set up with nets. They are very hard to work with as they are small and very spiny and get tangled in there. A large sein is run along beaches too and a bottom dredge is also used to scoop up the bottom to see if there an any invasives in it. They also do zooplankton for spiny water fleas and zebra mussel tows. A lot of field work planned. Todd has a big Phragmites project planned-removing all the invasive Phragmites from Red Cliff, Bayfield, and Washburn waste water treatment plants, and replacing it with native Phragmites. Reed also offered to have Andy out on the boat to do monitoring for a week, per a signed letter of support for the AIS grant.

Sally: Discussed a plant that was spotted on a lake. The sample was sent in and is waiting to hear from the DNR on what it is. Sally hasn’t seen the plant. She will keep the committee update on the findings. Sally noted the ongoing issue of finding volunteers to cover all the landings. Continued work on getting Milfoil pulled before they spread anymore. Upper EC Lake-was not able to get out and hand pull curly-leaf pondweed (CLP) but someone checked and it’s not too bad. Middle EC Lake-big patches of CLP are around but she hopes they can get it pulled this year. Sally noted divers may be available again this year to help pull plants under water using the DASH boat.

Jim: Rapid response grant happening this summer. Hand pulled some strange weeds in the bay and had them sent in to a lab but the samples got lost when the lab was moved to Montana. Two grants for boat landing supervision. Two new cameras will be coming in this year, they haven’t been replaced for 12 yrs. Also discussed issue of walleye numbers being down to two per acre. Future meetings planned with DNR to discuss what should be the next approach and how to get the numbers back up. It appears that walleye numbers have been down in all of the northwestern lakes. Most extreme approach would be to shut down fishing for walleye, however that is unlikely and aid of fish hatcheries is more likely. They plan on discussing the matter further with Red Cliff representatives to hopefully find solutions to bring the numbers back up.

1. **Future AIS Activities:**

**a) Advertising, interviewing, and hiring of interns;**

**b) Statewide AIS Coordinator/Cooperative Weed Management Area meeting, March 5-7, Beaver Creek Reserve in Eau Claire;**

**c) Wild River Trout Unlimited Fishing Expo, March 31 (note date change), Ponzio at Northland College; Andy will be attending and invited a few other partners;**

**d) Interviewing, hiring Clean Boats Clean Waters Interns;**

**e) State level Citizen Lake Monitoring Network Train the Trainer workshop, 9am-3pm on May 10th, at the Arbor Vitae Town Hall in Vilas County;**

**f) Invasive Species ID Days, Northern Great Lakes Visitor Center, May 11th (Bayfield in Bloom), June 8th, July 13th, August 17th, September 21st, October 12th (October’s will be the Student Science Research Symposium.**

**g) Upper Midwest Invasive Species Conference, Rochester, MN: Oct 15th-Andy will be volunteering at the conference so the entrance fee would be covered but lodging will need to be paid.**

**h) Kids Fishing Day, Northern Great Lakes Visitor Center on June 2, 2018-still looking for 1-2 people to volunteer at the AIS booth**

1. **Other business**:

Reed noted that Phragmities samples are being taken at the wastewater treatment plants. Also, trucks will be checked as they come and go. He is hoping to get some applicants to help with that and it has been posted at Northland College and few other places.

Andy received an email from Mark Apfelbacher, Founder and CEO of CD3 Systems. Andy discussed the idea with Ben. Mark discussed potentially setting up one of their systems at a landing which would provide a station for people to decontaminate their boats and data would be uploaded on the use of the tools-brooms, etc. Station costs ~$20K. Funding would have to be secured. We are currently not interested in pursuing this.

Krueger discussed incidents where cameras captured boaters leaving the landing with weeds on their trailers which were turned over to the Sheriff’s Office and citations were issued.

13. **Next meeting date**: ***Wednesday, May 23rd, 2018 at 9 AM***, in Conference Room A in Bayfield County Courthouse. Future AIS meeting dates: Aug 29th, Nov. 28th, at 9AM.

14. **Adjournment:** Meeting adjourned at 10:30am. Jim / Bill - carried.

**MINUTES**

**May 23, 2018 (to be approved)**

*Present:* Nan Olson-Chair, Jim Krueger-Vice Chair, Jeremy Oswald, Sally Pease;

Andrew Teal-AIS Coordinator; Jeremy Bates-WI DNR/Water Resources Management Specialist; Robert Liebermann-Washburn Ranger District Ecologist; Melissa Kraft-LWCD Assistant

1. **Call to Order:** Nan called the meeting to order at 9:04 a.m.
2. **Introductions:** Brief introductions were conducted.
3. **Public Comment:**  None.
4. **Motion:** Approve minutes from February 28, 2018 - AIS Committee meeting with one change to attendance noted. Pease/Krueger – carried.
5. **Grant Updates:** Andy noted that the remaining AIS grant funds should take us through 2018 and maybe a little bit into 2019. He is still unsure what direction the DNR may take for future funding opportunities. He hasn’t heard on whether they will continue to seek grant applications or allocate a set amount across the board to each county in WI. If they stay with grants then Andy noted that we would have to reapply this August. Two interns have been hired for CBCW-Lake Superior. Kyra, worked as an intern last year with CBCW and Codi was a CBCW intern in 2013 or 2014. Codi will begin June 1st and Kyra on June 8th.

Jim noted that his Lake Association had advertised for part-time positions at the landing and even increased the wage to $15.00/hour; however, they still didn’t receive any applications. Sally stated she is trying to find one part-time person and one alternate person. It was noted that they are looking for individuals who are at least 17 or 18 years of age.

1. **Discussion/possible action: Citizen Committee member search.** Andy discussed that we will need to find a business representative to replace Sarah Boles as she informed us that she is unable to continue to serve on the AIS Committee.It is advertised on the Bayfield County website. Committee members said they will try and think of someone who may be interested.
2. **Discussion:** Jim and Andy were asked to attend a recent Town of Grand View board meeting for guidance in AIS programs. With 3 lakes (Trappers, Diamond, & Atkins) in the Town of Grandview and another campground starting up, they would like to get more information and get more involved with what is going on with the lakes. The possibility of forming an AIS Committee to direct funds to it was briefly discussed at that meeting. They are in the beginning stages of learning about what AIS is and what their options may be. Andy noted he may attend some more of their meetings to answer questions they may have.
3. Discussion: Purple loosestrife beetle monitoring in Bayfield County. If anyone is interested in being a part of the monitoring taking place next week, Andy asked they let him know as he will be participating in it. The purpose of the survey is to see how many beetles are around and which areas have the highest concentration of them. We will possibly collect some and move them to another area with purple loosestrife if needed. The beetle project has been very successful and have really reduced purple loosestrife plants in the area.
4. AIS Coordinator Report: Andy will be using the Kobo Toolbox, an open source data kit app, to collect data and create his own data collection sheets. He noted Ramona Shackleford, NCWMA Coordinator, has already developed her own data collection sheet for Garlic Mustard.

Andy participated in and co-lead the macroinvertebrates module at LEEP Field Day (Lake Ecology Education Program Field Day) with the Drummond 7th grade science class on Lower Eau Claire Lake. In the afternoon, he led the aquatic plants module collecting plants in the lake. Andy noted it went well.

Pamela Toshner asked Andy to inspect equipment coming from Lake Owen, to make sure there aren’t any critters attached to the equipment and power wash it if needed. The boat wash unit was stored for the winter by the US Forest Service but may have been moved so it will need to be located. Robert stated he will track it down and let Andy know where it is currently being stored.

Andy passed around a sample draft of his newsletter he is working on. He received a few partner articles this time which he will include in the newsletter.

Highlights from the WI Lakes Partnership Convention in Stevens Point: Andy learned a lot about culverts and the effects of flow and potential to keep invasive species out and how to keep native species connected to their stream passages. Sally went to a class on how to recruit volunteers and to keep the energy going. She’s trying to get younger children involved in the lakes and to be concerned about effects on lakes and how to take care of them for their future.

Discussion: How to identify Yellow Iris- mid-rib of yellow iris leaves is abrupt when sliding fingers crossways on a leaf; blue flag iris merely has a gradual thickening of the leaf as you slide your fingers across. You can also look at the seed: blue flag has D-shaped seeds and yellow iris has round seeds. Then of course, there is the obvious flower color difference.

Drain Campaign weekend is June 1-3. Many lake associations will be participating and handing out ice packs to anglers.

CBCW training will be on June 7th in Barnes, at the Barnes Town Hall at 2 pm.

Andy noted that prior to Tim Kane retiring he highly encouraged Bayfield County members to attend the NW WI Lakes Conference. The next conference is scheduled for Friday, June 22nd, at 8:00 a.m.-3:00 p.m., at the Spooner High School.

Ramona and Andy attended NCWMA Herbicide training recently. There is a lot of garlic mustard in Ashland especially by the old Timeless Timbers location. Removing it will be a challenge as there are chunks of cement and metal pieces along with a lot of trees and brush.

Several other activities are scheduled for the upcoming months and are listed on Andy’s staff report.

*(Andy Teal’s staff report was reviewed in detail and is on file.)*

1. **Partner/Department Reports:** Jeremy Bates reported on DNR projects. Wastewater treatment plant sites (Red Cliff, Bayfield, and Washburn) this summer will begin replacement of the non-native Phragmites. DNR is in the process of searching for a location to get native Phragmites and looking at possibly the Bibon Swamp State Natural Area.

Port Wing area will begin a wetland restoration project where there had been wastewater treatment ponds. Michelle Wheeler is heading the project.

This year there will be more Warden LTE’s but no water guards. Law Enforcement AIS training has been set up for June 5th in Ashland and on June 7th in Spooner. They are going to learn more about AIS area concerns.

Coastal wetlands detection and early response control work continues. Focus on queen of the meadow, cat tail, narrow leaf, and yellow iris removal along with some shoreline restoration. Bloody red shrimp organism was found in Lake Superior in the St. Louis River last year but it didn’t indicate any kind of established population but the US Fish and Wildlife Service is increasing their efforts to strain for it and clean out traps and watch the nets they found it in last year. Jeremy is working with the State of MN, Fish & Wildlife, and 1854 Treaty Authority, to develop a response plan, education outreach and monitoring. It’s been in all the Great Lakes except Lake Superior until last year when it was found.

Two LTE’s will be working with Jeremy this summer, one is going to assist in field work and monitoring and the other in education outreach and can also assist Andy with CBCW if needed.

Jeremy noted that the DNR meets on the 2nd Saturday of each month.

Sally informed the committee that the diver was out on Lake Tomahawk. He may try and remove some curly leaf in Upper EC Lake and Middle EC. The proposal for the CD3 System was forwarded to the AIS Committee for the Town of Barnes for approval to be used on the Tomahawk Lake due to the Eurasian watermilfoil issue.

Jim reported that the Lake Management Plan on Namakagon is complete and is out for public review until June 28th. The evaluation of lakes will be done soon. Jim also reported that the landing cameras will be updated with magnetic sensors to help eliminate the wildlife movement that can set them off.

Robert Liebermann-Washburn Ranger District Ecologist, stated he has worked in Alaska for the last 20 years, and is working on what his focus will be with his new position, picking up where his predecessor left off 1 1/2 years ago, and determining his role with the AIS Committee. Jeremy Bates noted that there is an upcoming Aquatic Plant ID day June 26 and June 27, 2018 at Kemp Station on Lake Tomahawk.

**12. Future AIS Activities:**

a) Advertising, interviewing, and hiring of interns;

b) Statewide AIS Coordinator/Cooperative Weed Management Area meeting, March 5-7, Beaver Creek Reserve in Eau Claire;

c) Wild River Trout Unlimited Fishing Expo, March 31 (note date change), Ponzio at Northland College; Andy will be attending and invited a few other partners;

d) Interviewing, hiring Clean Boats Clean Waters Interns;

e) State level Citizen Lake Monitoring Network Train the Trainer workshop, 9am-3pm on May 10th, at the Arbor Vitae Town Hall in Vilas County;

f) Invasive Species ID Days, Northern Great Lakes Visitor Center, May 11th (Bayfield in Bloom), June 8th, July 13th, August 17th, September 21st, October 12th (October’s will be the Student Science Research Symposium.

g) Upper Midwest Invasive Species Conference, Rochester, MN: Oct 15th-Andy will be volunteering at the conference so the registration fee should be covered but lodging will need to be paid—may room with someone and split the cost.

h) Kids Fishing Day, Northern Great Lakes Visitor Center on June 2, 2018-still looking for 1-2 people to volunteer at the AIS booth;

1. Bayfield County Fair, August 9-12th, 2018, Iron River, WI (noted volunteers are needed as well);
2. CBCW training, Barnes, June 7th at 2pm at the Barnes Town Hall.
3. **Other business**: Andy noted that he is working on a rewrite for Bayfield County’s ‘No Transport’ ordinance to include language stating that if a lake has a decontamination station that it must be used on your boat and equipment and to include language regarding not only removal of plants/animals from the boat but also to include removal of mud and other types of debris. He is still getting feedback from various Lake Associations for their thoughts on the rewrite. Burnett County has a model ordinance that he is comparing it to.

13. **Next meeting date**: ***Wednesday, Aug 29th, 2018 at 9 AM***, in Conference Room A in Bayfield County Courthouse. Future AIS meeting date: Nov. 28th, at 9AM.

14. **Adjournment:** Meeting adjourned at 10:42 am. Krueger / Pease - carried.

**MINUTES**

**August 29, 2018 (to be approved)**

*Present:* Nan Olson-Chair, Jim Krueger-Vice Chair, Jeremy Oswald-Board of Supervisor District #5, Sally Pease;

Andrew Teal-AIS Coordinator; Reed Saam-Red Cliff Natural Resources Dept., Gabrielle VanBergen-Red Cliff Treaty Natural Resources Division Project Coordinator; Jim Giffin-Lake Minnesuing Sanitary District/Douglas Co, Robert Liebermann-Washburn Ranger District Ecologist, Ramona Shackleford-NCWMA Coordinator (9:25am); Melissa Kraft-LWCD Assistant

1. **Call to Order:** Nan called the meeting to order at 9:00 a.m.
2. **Introductions:** Brief introductions were conducted.
3. **Public Comment:**  None.
4. **Motion:** Approve minutes from May 23rd, 2018. Pease/Jeremy – carried.
5. **Grant Updates:** Andy noted AIS Grant #5 has $22,896.80 remaining, which we anticipate will carry the program through the end of 2018. We will begin the process of writing a new grant for 2019-2021 soon. Letters of support are appreciated and may be necessary to land a grant award. Clean Boats Clean Waters (CBCW) Iron River has $8,077.79 remaining. This will likely last until close to the end of September at the current rate. Clean Boats Clean Waters-Lake Superior has $4,848.73. This will also likely last until close to the end of September at the current rate. Andy requested an extension for Codi Caracci’s employment until then or unless funding is exhausted. The Northwoods Cooperative Weed Management Area grant for the Boat Wash Unit has $17,732.61. These funds are mostly for the operation of the boat wash unit itself, though some can go to the Northwoods CWMA Coordinator for coordinating, and to maintenance.
6. **Discussion/possible action: Citizen Committee member search/confirmation-**Still looking for a replacement for this spot on the committee. Members will continue outreach.
7. **Discussion/possible action: Review new draft of the No Transport Ordinance**-Andy has been working on revisions to the ordinance that hasn’t been updated in 9 years. He added more definitions; Title 16 hadn’t been listed on Bayfield Co Ordinance webpage; added information on rentals; decontamination and new species and pathways of introduction; and added enforcement information. Nan expressed concern that the changes may be too lengthy now and should be kept simple and understandable. Jeremy noted to get the Sheriff’s Office opinion on the section dealing with enforcement. Andy will continue to work on revising it and will keep the committee updated when completed.
8. **Discussion: Advocating for creation of full-time lakes specialist position in Bayfield County-** Discussion that a Lake Conservation Specialist position was presented in the LWCD 2019 Budget proposal and brought before the LCC last week and was approved to pass on to full board. The AIS Committee would like an action item for the next meeting on the issue for their support to be noted and a formal resolution of support stating this AIS body supports establishment of the position. Meeting date set for Sept. 12th, 2018, at 9 am for action on these items.
9. **Discussion: Bayfield County AIS Grant application and seeking match to apply-** Discussed need for letters of support regarding match with specific type of match and specific amounts noted. Grant deadline is Dec. 10th, 2018. Discussion of possible contact groups for support.
10. **AIS Coordinators Report-**Andy Teal reviewed his report and is on file.
11. **Partner/Department Reports-** Nan Olson noted their Lake Association recently held a 25th year anniversary. Jim Giffin mentioned he participated in a lot of yellow iris removal. Jim Krueger stated they recently held their annual meeting with 55 in attendance. He noted they discussed zebra mussel awareness. Sally reported she recruited a couple new volunteers. She also reported diver was able to do some milfoil removal this summer. Sally and Andy will participate in the upcoming fall LEEP day. Gabrielle and Reed have been working on a number of projects including the phragmites project at the wastewater treatment plants, also conducted fishery surveys & collected weed samples & tows that have been sent to labs. Gabrielle invited the committee to attend the Invasive Species ID Days on Sept 21 & Oct 12th as she will be displaying the phragmites project. Robert Liebermann reported he Ramona provided DNR grant updates, and noted she has been busy with garlic mustard, knotweed, mapping, contacting landowners, budget review, and preparing her newsletter.
12. **Future AIS Activities-** A.) LEEP indoor labs and Field Day, Barnes, dates TBD. B.) Invasive Species ID Days, NGLVC on Sept. 21st, and Oct. 12th (October’s date will be the Student Science Research Symposium). C.) Upper Midwest Invasive Species Conference, Mayo Civic Center in Rochester, MN on Oct. 15th-18th, 2018. D.) Lake Superior Collaborative Symposium, NGLVC on Oct 24-25th, 2018.
13. **Other Business-** Jim Giffin asked for suggestions on how to approach landowners unwilling to allow for removal/and or treatment of invasive species on their property.

Brief discussion on the flood damage around Pigeon Lake area.

1. **Adjournment-** Meeting adjourned at 11:00 am. Motion to adjourn Pease/Olson.
2. **Next meeting date:** **Special meeting date set for Wednesday, Sept. 12th, 2018 at 9AM, in EOC** in the Bayfield County Annex Building. Future regular AIS meeting date: **Wednesday, Nov. 28th, 2018 at 9AM.**





