



Northwest Michigan Invasive Species Network

Spring 2021 Partner Meeting



ISN Staff



Katie Grzesiak, Coordinator



Emily Cook, Outreach Specialist



Fields Ratliff, Habitat Mgmt Specialist



Shelly Stusick, GBB Specialist



Audrey Menninga, Inv. Spp. Specialist

www.HabitatMatters.org

Major Partners



...and many, many more!

ISN Goals

- 1) Raise awareness of high-priority invasive species in the region through education in order to cultivate long-term stewardship of our natural areas
- 2) Prevent introduction and spread of terrestrial invasive plants through outreach and collaboration with government officials and garden professionals
- 3) Survey region for high-priority terrestrial invasive plants to aid in effective prioritization and treatment strategies
- 4) Facilitate and assist with treatment of high-priority species on public and private land based on survey maps and prioritization strategies

Habitat Matters



For People

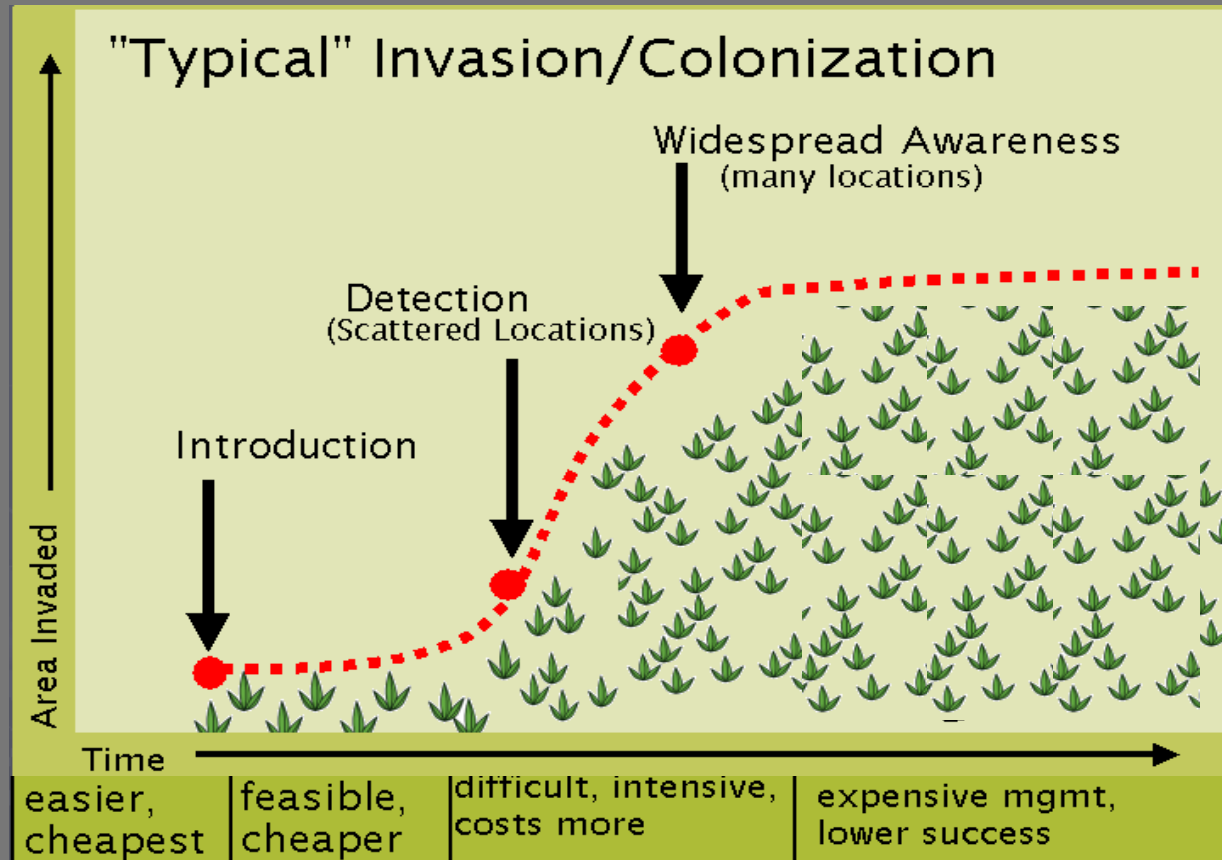


For Wildlife

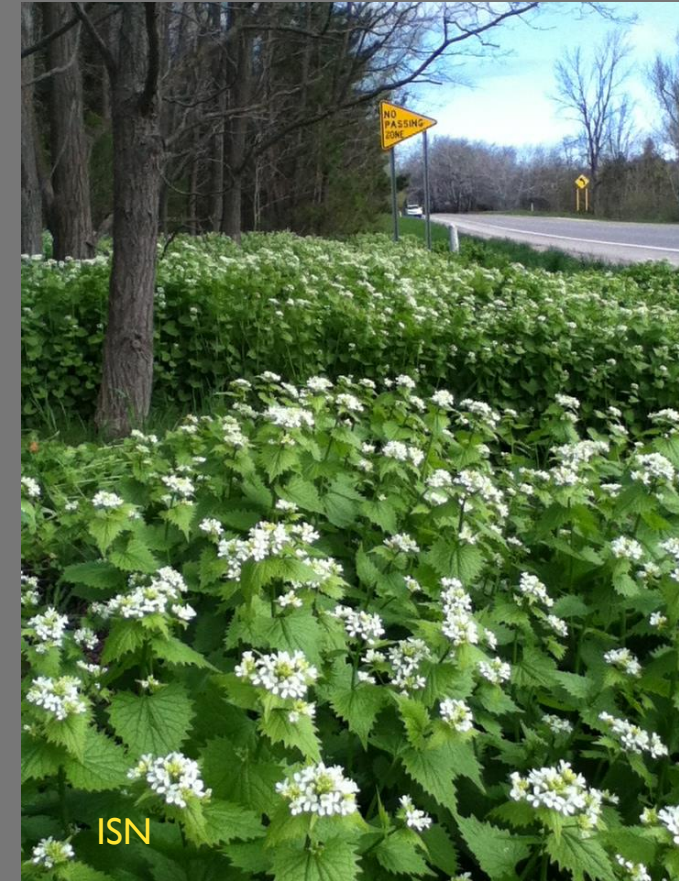
For Northwest Michigan

What's Invasive?

Formal definition – a non-native species that harms people, the environment, or the economy.



Michigan Natural Features Inventory



Environmental harm – a natural area consisting mostly of one or a combination of introduced plants that provide minimal habitat value.



Top 12 Invasive Species

There are many invasive species in northwest Michigan, both aquatic and terrestrial. ISN prioritizes them based on their habitat impact and management feasibility. The species featured on this list are the terrestrial plants that are already established in our region which are at a higher risk to harm our regional ecology. They are prioritized in messaging, outreach, and - when possible - control efforts by ISN and many of our partners.

Those with an * by their name are illegal to move, trade, sell, or share in Michigan.



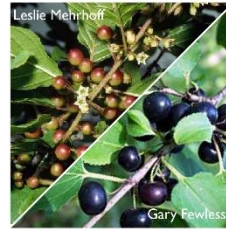
Baby's Breath
Gypsophila paniculata



Barberry, Japanese and common
Berberis thunbergii
Berberis vulgaris



Blue lyme grass
Leymus arenarius



Buckthorn, glossy and common
Frangula alnus
Rhamnus cathartica



Callery pear (Bradford and Cleveland)
Pyrus calleryana varieties and hybrids



Garlic mustard
Aliaria petiolata



Invasive honeysuckles
Many, *Lonicera* spp.



***Knotweeds - Japanese, giant, and bohemian**
Reynoutria japonica, *R. sachalinensis*, *R. x bohemica*



Oriental bittersweet
Celastrus orbiculatus



***Invasive phragmites**
Phragmites australis



***Purple loosestrife**
Lythrum salicaria



Tree-of-Heaven
Ailanthus altissima

To learn more about Early Detection Species and other invasives, please visit:
www.HabitatMatters.org

Early Detection Species

Awareness Species

Dune
Field
Forest
Wetland/Riparian
Ornamental

Current Programs

- *Go Beyond Beauty*—a voluntary program to remove invasive ornamentals from local nurseries' and landscapers' inventories
- **Workbees**—focused on garlic mustard, baby's breath, shrubs
- **Control**—high-priority species in high-quality habitats
 - Japanese knotweed, Oriental bittersweet, garlic mustard, invasive Phragmites
 - Ornamental invasives
 - Early Detection species
- **Outreach**—presentations, workshops, resources
 - Value of habitat, threat of invasives
 - Empower average people to care & make a difference
 - Need resources? Ask!



Steering Committee Updates

Becky Hill

ISN Steering Committee Chair

Director of Natural Areas and
Preserves Leelanau Conservancy





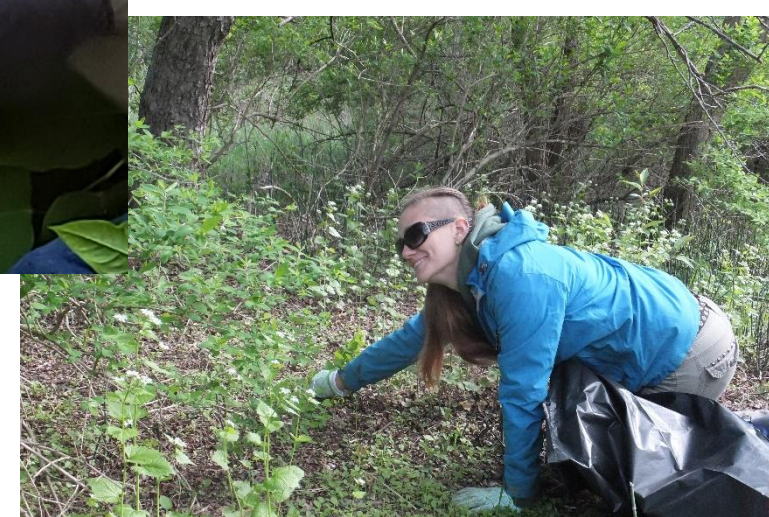
Outreach and Community Events Update

2021 Outreach

PUBLIC EVENTS – proceeding with caution!

- **Garlic Mustard Workbees**
 - GT – Sat, May 8
 - BC – Tues, May 18
 - LC – Wed, May 19
 - MC – Thu, May 20
- **Baby's Breath Workbees – Elberta Beach, Benzie County**
 - Tuesday, June 22
 - Thursday, July 8
- **Japanese Knotweed Workshops**
 - Grand Traverse – Thursday, July 8
 - Benzie County – Thursday, July 15
- **Autumn Olive Workshops**
 - Manistee County – Thursday, August 26
 - Grand Traverse – Thursday, September 2

All information and registration: www.HabitatMatters.org/events
+ COVID protocols, subject to change



PARTNER-ONLY EVENTS

- Partner ID Training
 - May 27 | 1-3pm - Webinar
 - June 7 | 10am-12pm - Field portion, Grand Traverse
 - June 8 | 10am-12pm - Field portion, Manistee
- Partner Herbicide Training
 - June 1 | 12pm-4pm - Grand Traverse

Please email ecook@gtcd.org to register



Other Happenings:

- Garlic Mustard Dumpsters - early May!
 - Benzie County
 - City of Frankfort
 - Lake Township Hall - SLBE
 - Grand Traverse County
 - Boardman River Nature Center
 - Leelanau County
 - Clay Cliffs Natural Area, Leland
 - Manistee County
 - Bear Lake, Manistee Conservation District



- **Boat Washing**

- Partnering with AISPP/BCD
- Renting unit/providing outreach
- 4 dates this summer - in progress

- **Japanese Barberry Trade-up Days**

- *Go Beyond Beauty* program

- **Presentations, resource creation, etc.**

- ongoing



Created by:
**NORTHWEST MICHIGAN
INVASIVE SPECIES NETWORK**
For more information visit
HabitatMatters.org



Clean Boots, Vibrant Trails, More Wildlife.

It is not the mud, but tiny seeds that cause concern. Seeds of invasive plants often travel in the treads and laces of footwear, pant cuffs, hiking gear, and on pet fur. Invasive plants displace native plants that are critical to wildlife, especially to butterflies and birds. Once established, they are costly to remove.

Clean your boots, pants, packs, and pets before hitting the trail.
Help keep natural areas vibrant for future discovery.



Garlic Mustard

Native Plants are Habitat

Wildlife like birds and butterflies need the right plants. Most songbirds feed insects to their nestlings, and those insects in turn depend on specific host plants. A healthy diversity of native plants means more to discover while out exploring on the trail.



Tom Patterson



Michael Horton

Lisa Brown

Northern spicebush is one of just a few host plants for the caterpillar of the spicebush swallowtail butterfly.



Julie Felt

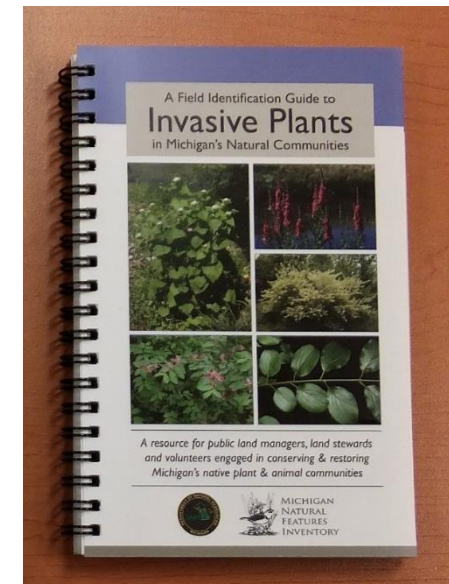
More native plants mean more of the insects that songbirds need to thrive.

Boot Brush Surveys

- QR codes being placed on all established (or soon to be) stations
- 60+ Trailheads
- Linked to survey - determine how they get used and if it's encouraging behavior change...leading to less invasive species spread
- Prize giveaway starting May 1 -
 - Each completed survey is entered into drawing
 - First, second, and third prizes
 - Ends early fall
 - Social media push - please help us share

Resources are still available to you...

- Doorhangers
- Plan Before You Plant Brochures/other GBB items
- Boot brushes
- ISN rack cards
- **Native Plant Signs**
 - Spring Order - contact Katie
 - Complete list of available species on website
- **Field Guides**
 - We are (still) down to one box...
 - Creating new pages for missing species and printing ourselves - hopefully by mid-summer!





Go Beyond Beauty

Prevent the introduction and spread of invasive plants by supporting businesses that have committed to not sell or use high-priority invasive plant species.

- Voluntary, non-regulatory but celebratory!
- Goal - disuse high priority ornamental invasives
 - 55 participants



Participating Nurseries

Click on each logo for a business description and contact information.
Logos with yellow butterflies indicate the business sells more than 20 native species.

Participating Landscapers

Click on a logo to learn more about a business

Gold Achievement Participants

These participants have taken part in a Full-day, intensive invasive species employee training.

Landscaping Participants

These participants continue to commit to not selling or using priority invasive species in their landscaping projects.



Go Beyond Beauty

What's new?

- *Go Beyond Beauty* social media
 - Facebook: facebook.com/GBBISN
 - Instagram: go_beyond_beauty_
- 2021 Japanese Barberry Trade-Up Week:
July 21st - 26th
 - 7/24 Boardman River Nature Center
 - Thursday, 4-7pm
 - 7/26 Manistee Conservation District
 - Saturday, 10-12pm





Go Beyond Beauty

Helping Michigan *Go Beyond Beauty*

- Statewide expansion
- Empower regional Hubs
 - ISN fills in gaps
- *GBB* in ISN's service area vs. statewide
- *GBB* Grant
 - Strengthen program & prep - Year 1
 - Roll-out statewide & support + promote - Year 2



Bootbrush Stations

- Large stations no longer available
- Thanks everyone who purchased & installed stations!

Small Brushes Available

- Upgrade or mini-station: scrub brush, cable, & keeper (\$20)
 - Play Clean Go has smaller signs





Field season—Crew!

- We hired a crew!
 - Kathryn and Carter
 - Tentative start date of May 4th
- Species sneak peak!
 - Swallow-wort, knotweed, phragmites, invasive bittersweet, garlic mustard, baby's breath butterbur, woody invasives
- If you're looking to have a survey done, please let us know! Even treatment crews have rainy days.
 - amenninga@gtcd.org or fratliff@gtcd.org



Herbicide Technician Applicator

- MDARD tests are very expensive: base fee to take test online, pay for core, then pay again for each category.
 - Another option is the Registered Technician
 - Take core exam only, trained in other categories
 - Fields and Audrey will be certified trainers, covering the following categories*:
 - ROW, aquatic, ornamental, forestry, turf grass, & fruit crop
- *Someone (e.g. a supervisor) at your organization must hold commercial pesticide license to conduct work under that category.
- Would like to open up to partners with crews! Do you need training? Let us know and we'll work on arranging something!



Treatment Goals 2021

~700 acres

ISN Crew & Contractors

- High priority species (focus four/EDRR) & Top 12
- Purple loosestrife beetles
- Satellite sites
- Prevention-based control
- Invasive ornamentals

Places & Partners

- Conservancy natural areas & preserves
- Lake associations
- DNR- state game areas, parks, & state forests
- Private properties
- Municipalities
- USFS



Survey Crew

ISN hiring 2 seasonal survey technicians

- Duration ~June to August
- 2,500 acres (yikes!)
- Looking for pretty much everything-
Top 12, watch list species, EDR, etc.

If you're looking to have a survey done, please let us know! Google survey will be sent out to partners in May or you can contact Fields directly!

fratliff@gtcd.org



HWA Update

- We're probably getting more money for this (for 2022)!
- Hosted a webinar for private landowners to survey their trees

- PLUS we partnered with EotF to create a survey platform
- We had so many properties! Here's what we have so far:
 - GT: 71 ac, 10 sites
 - BC: 263 ac, 72 sites
 - MC: 214 ac, 49 sites
 - LC: 257 ac, 51 sites
 - Mason: 64 ac, 2 sites
- Bad news/good news:
 - HWA found in Platte River Campground
 - DNR is not counting this as a new population



EYES ON THE FOREST
MICHIGAN STATE UNIVERSITY



Hemlock Woolly Adelgid Public Survey Form

If you notice white, waxy material at the base of the needles on hemlock trees, to prevent spread, **do not remove** potentially infested material from the site. Please include photographs with your report if any evidence is found.

Observation Information 

Observers Contact Information
(Email or Phone)*

Eyes on the Forest Survey

- New survey form through Eyes on the Forest
- Works much like MISIN
 - Data in our service area bounces back to us
- Available to the public!
- <https://iforest.misin.msu.edu/hwa-public-survey/>
- Also have a webinar on how to use this! It's on our YouTube channel—feel free to share!

A cup of coffee on a saucer is the central focus of the image. The cup is filled with dark coffee and sits on a matching saucer. The scene is lit from the side, creating a strong shadow on the surface below. The background is dark and out of focus. Overlaid on the image is white text: 'BREAK!' in large, bold letters at the top, '5 minutes' in a smaller font below it, and 'Small group activity next!' at the bottom.

BREAK!

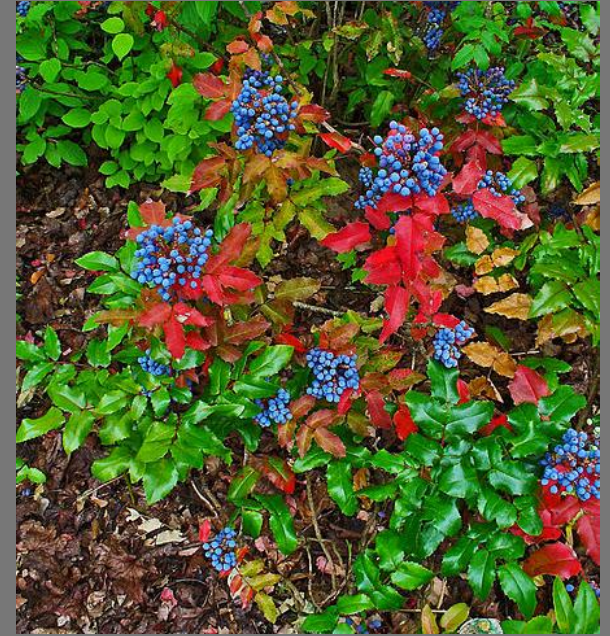
5 minutes

Small group activity next!



Tree-of-heaven

(*Ailanthus altissima*)



Oregon grape
(Mahonia aquifolium)



Kuma bamboo
(Sasa veitchii)



Creeping Jenny (aka moneywort)
(Lysimachia nummularia)



Burning bush
(Euonymus alatus)



Japanese hedge-parsley

(*Torilis japonica*)



Mobile Data Collection

- Data submission
 - Web
 - App (Apple/Android)
- Identification resources
 - 1pg (species information)
 - Training modules (Tools>>Training modules)
- Treatment Tracking

MISIN

www.MISIN.msu.edu

Funding Update

Current Grants

Strongly funded through 2022

- MISGP 2018 Project (wraps 2021)
 - 2021 Crew
 - Treatments, outreach, “leadership in IS work”
- MISGP 2019 CISMA (wraps 2021)
 - Basic functions, outreach
- MISGP 2019 GBB
 - Strengthen current program
 - Bring GBB state-wide!
- MISGP 2020 CISMA (wraps early 2022)
 - Survey crew, basic functions
- GTB GLRI Subgrants
 - Survey, treatment
- USFS CWMA 2020
 - Staff time, treatment, restoration
- USFS CWMA 2021
 - Staff time, treatment
- Good Neighbor Authority
 - Treatments/staff time

New Project: Lake Association Assistance

- Cost-share for boat decontamination
 - \$1,000 each
 - 3 associations
- CD3 “Roadside” station (or similar) ½ cost
 - A good starting point
 - Add to a stronger station in the future (not duplicate)
- OR match toward a more comprehensive system
 - Boatwash etc.
- “Application” (1 pg) coming this week





State-wide & Regional Updates

- Michigan Invasive Species Coalition
- Play, Clean, Go
 - PCG week June 5-12
 - Improving store, resource sharing
- MIPN
 - Reveg guides!
 - Nationwide CISMA conference
- Local CISMAs
 - New CAKE Coordinator: Kirk Acharya

A Note from Senator Peters' Office

Eric Keller
Northern Michigan Regional Director
Office of US Senator Gary Peters





Partner Updates!

2 minutes each, please



Protecting, enhancing, and promoting Northwest Michigan's natural communities through terrestrial invasive plant management and outreach.

Thank you for coming!

