

# ISN Crew

## Collaboration:

- Benzie Parks & Rec
- Business Owners
- City of Manistee
- City of Frankfort
- Congregational Summer Assembly
- DNR
- GTCD
- GTRLC
- Grand Traverse Road Commission
- LCD
- Leelanau Conservancy
- Manistee Road Commission
- Manistee Parks Department
- Michigan Audubon
- Periwinkle Garden Club
- Private Property Owners
- SBDNL
- TART
- The Nature Conservancy
- Traverse City Parks & Rec
- US Forest Service



JK treatment at VOGD- Manistee



JK treatment site- Leelanau County

# ISN Crew

- 194 bags of Garlic Mustard, covering ~400 acres
- 90 Japanese Knotweed Sites (w/ Help from TNC)
- Treated source population of Jk along Veterans Oak Grove Drive
- Collaborated with ISN partners- shrubs, baby's breath, garlic mustard, and a variety of other control efforts



# Source Populations

- Japanese Knotweed- Veterans Oak Grove Drive
- Phragmites- Betsie Bay, Manistee Lake, & Manistee River Delta



# Source Populations

- 164 acres of phragmites treated
  - 6 Acres, Betsie Bay
  - 38 Acres, Manistee Lake (10 miles of shoreline)
  - 120 Acres, Manistee Delta
- 4 acres of JK treated on VOGD, ~3/4 of Mile
  - 8 Stakeholders involved (private property owners, local business, city, and road commission)



# Roadside & Additional Treatments

- 27 Phragmites roadside sites treated
- 46 additional acres of GM treated by contractors
- 1 site of giant hogweed treated
- 1 acre treated along Kids Creek (Multiple Species)
- Collaborated with Canfield and Shingle Mill Lake property owners to treat phragmites
- Work Bees and Volunteers



# Survey Work

Item	Completed	Goal
Terrestrial Acres	705	500
Road (mi)	276.25	200
Stream (mi)	76	50
Lakeshore (mi)	25	25
Inland Lake (mi)	19.5	extra!



# Plans For Next Year

- Retreatment of Source Populations
- Treatment of new source population sites
  - Elberta Dunes and Arcadia Marsh
- Expand cost share program for JK and PH
  - Dependent on funding
- Roadside restoration sites
- Continue surveying with ISN techs
- Continue treatment of high priority species
- ISN Crew- hopefully will be returning in 2017

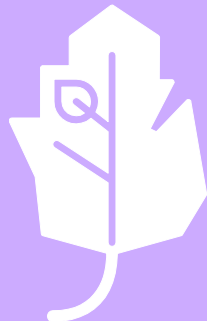




# Go Beyond Beauty



Emily Cook, ISN Outreach Specialist  
Miriam Owsley, ISN Outreach Assistant



**NORTHWEST MICHIGAN  
INVASIVE SPECIES NETWORK**

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



# SWAMP MILKWEED

(*Asclepias incarnata*)



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Angie Lucas



**Is swamp milkweed right for your garden?**



3-4 ft tall

2-3 ft wide

**July-Aug.**



To learn more about how you can help protect our wild places, visit [HabitatMatters.org](http://HabitatMatters.org)

## Key Features:



G.T. Conservation District

### **Rain Garden**

Beautiful addition to any rain garden. Rain gardens help keep run-off and pollution out of natural areas.



William Cullina

### **Edible Seedpods**

Seed pods are poisonous raw, but edible when picked young and cooked.



Mark Funk

### **Visitors to Explore**

Hosts the caterpillars of beautiful butterflies like these monarchs, and also milkweed tussock. Flowers provide nectar to butterflies and other native pollinators.

# POTENTIALLY INVASIVE

Buyer Beware! This plant has been proven to be highly invasive in some areas.



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Wilfredo Robles

## WATER HYACINTH (*Eichhornia crassipes*)

To learn more about alternatives to invasive ornamental plants, refer to the *Plan Before You Plant* brochure, or visit [HabitatMatters.org](http://HabitatMatters.org)



Forest and Kim Starr

### Quick to Spread

Has the tendency to escape the pond environment, where it often jams up rivers and lakes with floating plant matter.



Wiley Durden

### Over-winters

This plant should die off each winter, but due to warmer temperatures, it may overwinter. Alert ISN if your water hyacinth grows back in Spring.



Jason Hollinger

### Alternatives to Explore

The sweet scented American white waterlily (*Nymphaea odorata*) is a great alternate to this aquatic invader!



# Go Beyond Beauty

*Prevent the introduction and spread of invasive plants by supporting businesses that have committed to not sell high-threat plant species*

## Participating Nursery

**Ask an associate about using alternatives to invasive ornamental plants in your garden and landscaping**

