

**KISMA
Keweenaw Invasive Species Management Area**

**Master Participating Agreement
and
Supplemental Project Agreement #1
2014 Performance Monitoring Report**

30 March 2015

**Two agreements between the US Forest Service (Ottawa National Forest)
and the Houghton Keweenaw Conservation District.**

Master Agreement		SPA #1	
Agreement Number:	12-PA-11090700-010	Agreement Number:	12-PA-11090700-014
Cooperator Name:	Houghton Keweenaw Conservation District	Cooperator Name:	Houghton Keweenaw Conservation District
Performance Start Date:	01/01/2014	Performance Start Date:	04/24/2012
Performance End Date:	12/31/2014	Performance End Date:	12/31/2014
Report Source:	Cooperator	Report Source:	Cooperator
Report Due Date:	03/31/2015	Report Due Date:	03/31/2015
Agreement Start Date:	3/22/2012	Agreement Start Date:	4/24/2012
Expiration Date:	1/31/2017	Expiration Date:	1/31/2017

This report includes summary information pertaining to the two USFS agreements. Most work falls under Supplemental Project Agreement (SPA) #1, while the Master Agreement offers general guidelines.

Master Agreement

Commitments from the Houghton Keweenaw Conservation District (HKCD) are listed on pages 2-3 of the Master Agreement. HKCD served as fiscal manager for KISMA, cooperated with KISMA members, exchanged resources, encouraged contribution from other participants, helped manage invasive species, allowed federal agencies

to help manage invasive species, mapped many new invasive plant sites, used integrated and safe control methods, and prepared this annual report.

Supplemental Project Agreement #1

Commitments from the HKCD are listed in Modification #1 of SPA #1.

1. Retain coordinator for the KISMA in 2013, 2014, and 2015. Duties will include communicating with KISMA members, planning KISMA meetings, conducting public education on invasive species in Houghton, Keweenaw, and Baraga Counties, writing news releases about KISMA and invasive species, recruiting and supervising KISMA volunteers, and providing botanical expertise on the management of invasive plants. KISMA Coordinator will follow the KISMA annual operating plans to be developed cooperatively with all KISMA members and agreed upon by the HKCD.

The HKCD provided Meral Jackson to serve as KISMA Coordinator in 2014. Several emails were distributed communicating information, networking with partners, and coordinating proposals and events. No KISMA meetings occurred in 2014. Meetings will resume in 2015.

Educational Activities

- Developed an informational pamphlet and sign with boot cleaning station at City of Houghton's Nara Nature Park with Michigan Tech Risk Communications student Krysten Cooper. Boot cleaning station/poster to be installed spring 2015 (Appendix A).
- KISMA display board with additional information:
 - Celebrate the UP! March 21-22 at the Jutila Center in Hancock.
 - Lake Superior Celebration, April 22 at Michigan Tech's Great Lakes Research Center.
 - 5th Annual Northern Great Lakes Invasive Species Conference, Northern Michigan University, November 4, 2014.
- Invasive species liaison for [the Keweenaw Garden Club](#) (presentation on 11/4/2013 titled "Problem Plants to Avoid in Your Garden," 20 attendees).
- Network with individuals and organizations through Keweenaw Garden Club regarding availability of weed removal tools available for use.
- Working with City of Houghton and C. Waddell to resurrect the West Houghton Neighborhood Association to organize neighborhood-wide invasive

species removal. Focus on spotted knapweed since it is taking over the neighborhood. There is a need for informational events with City of Houghton in 2015 in order to train residents and City of Houghton staff in identification, control and prevention of spotted knapweed.

- Bioblitz event with Jeffers Middle and High School students at Lake Perrault and Brown Sanctuary, September 30, 2014.



Bioblitz at Lake Perrault/Brown Sanctuary,
September 30, 2014

- Japanese knotweed demonstration plot project with Sarah Geborkoff and Houghton Middle School students, October 7, 2014 (Appendix B).



Japanese knotweed demonstration plots with Houghton Middle School,
October 7, 2014

- Presentation on terrestrial and aquatic invasive species at the MTU Water Festival, October 23, 2014. Attended by 1000 4th through 8th graders, with the

goal to “learn about and celebrate our most precious natural resource – clean, fresh water!”



2014 Water Festival, Great Lakes Research Center, Michigan Tech
October 23, 2014

- Invasive Species classroom unit: L’Anse Middle School 6th, 7th and 8th grades, November 14. Total 178 students, 6 class periods.



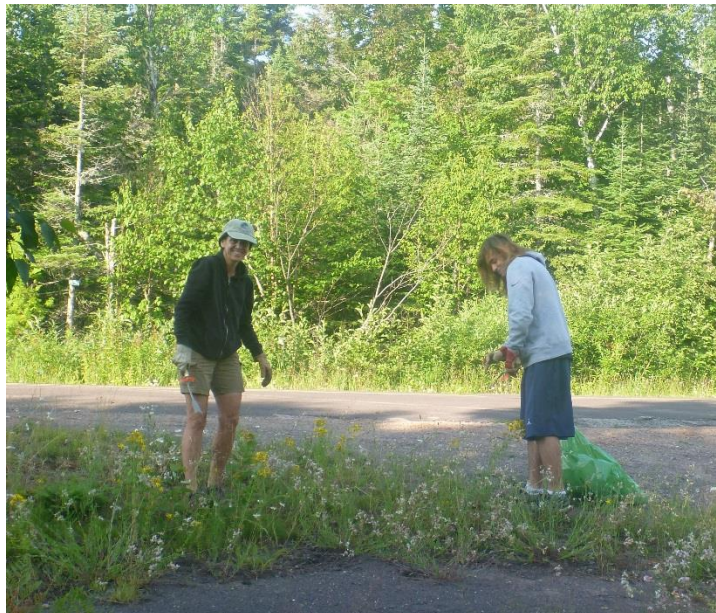
Invasive species lesson, L’Anse Middle School,
November 14, 2014

Publicity

- [Michigan Tech News release](#) on reed canary grass pamphlet and sign at Nara Nature Park.
- TV 6 [Bioblitz event](#) coverage with Jeffers Middle and High School at Lake Perrault/Brown Sanctuary.
- TV [6 Japanese knotweed demonstration plot](#) project with Houghton Middle School students.
- TV6, [Daily Mining Gazette](#) articles on [2014 Water Festival](#).

Invasive species control

- Spotted Knapweed Pulls (12.9 acres for 2014)
 - Keweenaw Shores II Preserve, joint event with Michigan Nature Association (MNA) July 26, 2014: 1 acre treated, one volunteer.
 - Bete Grise Preserve: August 2, 2014: 1.5 acres treated, 3 volunteers.
 - Bete Grise Preserve: August 30, 2014. 1 acre treated.
 - Bete Grise Preserve, Fall Beach Cleanup: September 21, 2014: 9.4 acres treated, 8 volunteers. High water meant beach was nonexistent; beach cleanup primarily involved weed removal.



Pulling knapweed at Bete Grise Preserve, August, 2014

Invasive plant activities accomplished by KISMA partners/cooperators & volunteers

- *Michigan Nature Association*: Spotted knapweed control at:
 - Grinnell Memorial NS at Bare Bluff June 28; "they seemed to be a lot less this year"
 - Keweenaw Shores II Plant Preserve at Dan's Point, July 26; area pulled "was almost knapweed-free."
 - Redwyn's Dunes NS August 9; "still a lot of knapweed on both sides of the road."
- *KBIC*: Spotted knapweed pulls, boat washing station events, Japanese barberry and purple loosestrife control.
- *Gratiot Lake Conservancy*: European swamp thistle, purple loosestrife removal.
- *UPRC&D*: Ongoing invasive species work in Baraga, Houghton and Keweenaw counties. Jill VandenMeer, Josh Forrester and Dan Watt's work:
 - Garlic Mustard removal
 - Isle Royale National Park headquarters invasive species survey
 - Redwyn Dune Sanctuary spotted knapweed pull with MNA
 - Keweenaw National Historical Park Italian Hall, Warehouse No. 1, Quincy Mine Office property, and Keweenaw History Center property invasive species removal
 - Wild parsnip removal
 - Keweenaw Bay Indian Community Public Weed Pulling Event at Sand Point
 - Survey and treatment of invasive species at Lily Pond for Isle Royale National Park
 - Removal of Japanese barberry near Sturgeon River, wild chervil control along Forest Road 1477, and non-native honeysuckle removal for Ottawa National Forest
- Portage Lake Eurasian watermilfoil control and monitoring. The 2013 survey by Many Waters indicated 93 treatable acres. After the hard winter of 2013-2014, fewer acres needed treatment due to winterkill. Treatments in 2014 were performed by PLM Lake & Land Management Corp. DEQ Permit # 14-98-0694-0.
 - 78.75 acres treated 6/25/2014, Pike Bay, Sculpin G (2,4-D)
 - 3 acres treated 7/24/2014, Torch Bay, Sculpin G and Renovate (triclopyr)
 - 10 acres treated 9/3/2014, Torch Bay, Sculpin G and Renovate

- *Michigan State University Extension: Presentations by Mike Shira:*
 - Houghton Middle School
 - 7th Grade Science classes, September 17 & 19; Huron Creek watershed and invasive plants
 - 8th Grade Science class, knotweed issues in the region
- *Ottawa National Forest.* The USFS treated several infestations on National Forest land in southern Houghton County, including exotic honeysuckle, wild chervil and crown vetch.

Through news releases, phone calls, and other work the KISMA Coordinator demonstrated expertise in the management of invasive plants. The Coordinator followed the annual operating plans.

2. Act as fiscal agent for GLRI grant funds as detailed in the attached financial plan.

The HKCD accepted and dispersed the USFS/GLRI funds following the financial plan, as detailed in the invoices dated 9/11/14 and 12/4/14.

3. Provide invoices to the FS relative to agreement expenditures.

Between January and December 2014 three invoices have been processed, totaling \$8,662.23 paid to the HKCD. At the end of 2014 \$42,935.20 remained available in the agreement for work in 2015 and 2016.

4. Ensure GLRI funds are used only to achieve GLRI grant deliverables and other costs as detailed in the financial plan.

All expenses followed the financial plan.

5. Implement the attached financial plan.

All expenses followed the financial plan.

6. Be responsible for documenting, caring for, and securing any supplies purchased with funds from this agreement.

Expenses under materials and supplies in 2014 include plant disposal and materials for student activities.

7. Work with KISMA Coordinator to provide interim reports by October 1 of 2013 and 2014, and a final report by October 1, 2015, and additional reports, as requested by the U.S. Forest Service.

The 2013 report was submitted 2/28/2014, before the performance period due date. This is the report for 2014. Modification #2 to our agreement has extended work through 2016, so another interim report will be submitted in 2015, with a final report in 2016.

8. Direct KISMA Coordinator to treat 30 acres of invasive plant infestations: 10 acres in 2013, 10 acres in 2014, and 10 acres in 2015. Acres will count if the KISMA Coordinator or KISMA volunteers under supervision of the KISMA Coordinator participated in the work.

The original SPA also called for 10 acres to be treated in 2012. As detailed in the 2012 report, 18.2 acres were treated in 2012.

As detailed in the 9/24/2013 meeting notes, 22.5 acres were treated in 2013. As detailed above, 12.9 acres were treated in 2014. This gives a total of 35.4 acres so far treated under SPA #1.

9. Document 400 hours of volunteer time working on invasive species projects, to be planned with KISMA partners as part of annual operating plans.

The HKCD has tracked volunteer hours (see progress reports submitted to the USFS) but a total for 2014 is not available at this time.

10. For any printing funded by this agreement, work with the U.S. Forest Service to ensure compliance with U.S. Forest Service Handbook 1509.11, 72.11- General Requirements, Section 12 (printing).

The HKCD has not funded any formal printing under this agreement.