

# **Participating Agreement between the Iron Baraga Conservation District and the US Forest Service**

## **Iron County Aquatic Invasive Species & WePIC 2016 Performance Monitoring Report 2012-2017 Final Report**

Grant/Agreement Number: **12-PA-11090700-022**  
Cooperator Name: **Iron County Conservation District**  
Performance Start Date: **05/14/2012**  
Performance End Date: **01/31/2017**  
Report Source: **Cooperator**  
Report Due Date: **03/31/2017**  
Agreement Start Date: **05/14/2012**  
Expiration Date: **01/31/2017**

On 5/14/2012, the Iron County Conservation District and the US Forest Service (USFS) executed agreement # 12-PA-11090700-022. The agreement provided Great Lakes Restoration Initiative (GLRI) funding to the District to help perform invasive species work within the Iron County portion of the Western Peninsula Invasives Coalition (WePIC). On 5/14/2013 the partners executed Modification #1. One part of the Modification provided funding to continue the aquatic invasive species work in Iron County. Another part of the modification expanded the general invasive species work to cover the whole Western Peninsula Invasives Coalition (WePIC, covering Iron, Gogebic, and Ontonagon Counties).

This agreement has provided Great Lakes Restoration Initiative (GLRI) funds to support two invasive species projects in Iron County:

- Provide an aquatic invasive species coordinator for Iron County and fund a Clean Boats Clean Waters (CBCW) and boat washing public education program.
- Provide an invasive species coordinator for the Western Peninsula Invasives Coalition (WePIC).

On 8/25/2014 the partners executed Modification #2, providing additional funding for WePIC work for 2014 to 2016.

On 2/12/2015 we signed Modification #3, providing additional funding for AIS prevention in 2015 and 2016, as well as a new WePIC worker position to treat terrestrial invasive plants.

On 6/8/2016 we signed Modification #4, providing funding for a new portable boat washer unit, and funding to staff it during 2016.

Details are provided below:

*Provide an invasive species coordinator for Iron County, Michigan. His/her duties will be to supervise and schedule the washer staff, and conduct other public education concerning AIS, including public presentations, meeting with Lake Associations, working with local schools, and preparing news releases about AIS.*

\*The District continues to employ Jennifer Ricker as Invasive Species Coordinator and Administrator for WePIC. Jennifer Ricker assists Michael Zukowski who has begun to serve as Aquatic Invasive Species Coordinator for Iron County.

*Staff two portable pressure washers with personnel. Their duties will be to conduct "Clean Boats Clean Waters" (CBCW) public education, teaching people about AIS and how to prevent the spread of AIS. When the boaters agree, Conservation District personnel will operate the pressure washers and wash the boats and trailers.*

\*The District continues to employ Don and Sue James as CBCW Boat Washer Personnel. Debbi Bendick, Jen Ricker and Mike Zukowski who are also employed by the District assisted as launch educators during high impact weekends and events.

*For all public contacts, complete a Clean Boats Clean Waters activities form, to be developed cooperatively between the U. S. Forest Service and Conservation District. At a minimum this form must include the date, time, location, number of people contacted, and number of boats washed. Conservation District will type data into an Excel spreadsheet and provide same to the U. S. Forest Service by July 1, October 1, and November 15th of each year. The U. S. Forest Service will review the report and forward the data to GLRI in a timely manner.*

\*Results were provided to the USFS on 10/1/2016. Attachment #1.

*Retain a coordinator for WePIC from 2013 to 2016. Duties will include communicating with WePIC members, planning WePIC meetings, conducting public education on invasive species in Gogebic, Iron, and Ontonagon Counties, writing news releases about WePIC and invasive species, recruiting and supervising WePIC volunteers, and providing information on the management of invasive plants. WePIC Coordinator will follow the WePIC annual operating plans to be developed cooperatively with the WePIC Steering Committee.*

\*Jennifer Ricker and Michael Zukowski organized and trained volunteers from the WePIC Partners. Jennifer Ricker and Mike Zukowski published articles and Facebook posts assisted in volunteer recruitment and invasive species identification training opportunities. Multiple workshops and informational seminars worked to educate the public and community groups. Jennifer Ricker also continued to participate as a member of the steering committee for UPIC's Invasive Species Conference that was held at Peter White Library in Marquette, Michigan. Jennifer Ricker and Don James also are Members of the Board for Iron County Lakes and Streams Partnership. Jennifer Ricker dispensed informational brochures and conversed with a wide variety of people at all meetings and events that she attended. Many times, the people who were contacted informed her of new locations of invasive species in the area. WePIC also had a booth at the UMISC Conference in Lacrosse WI this year that they shared with ISCCW. Jennifer Ricker presented during one of the sessions.

*WePIC Coordinator must complete the Midwest Invasive Species Information Network (MISIN) training modules for Bells honeysuckle, common buckthorn, curly pondweed, Eurasian watermilfoil, European swamp thistle, garlic mustard, glossy buckthorn, Japanese barberry, Japanese knotweed, Morrow's honeysuckle, Phragmites, purple loosestrife, and Tartarian honeysuckle. Completion of the modules is required to enter reports of new infestations in MISIN.*

\*Jennifer Ricker completed the MISIN training modules in 2012.

*Direct WePIC Coordinator to treat 300 acres of invasive plant infestations by 9/30/2016, approximately 75 acres per year. Treat a minimum of four invasive plant species each year. Emphasize garlic mustard, purple loosestrife, Japanese barberry, glossy buckthorn, common buckthorn, and exotic honeysuckle. Acres will count if the WePIC Coordinator or WePIC volunteers under their supervision participated in the work.*

\*Provided to the USFS on October 1<sup>st</sup>, 2016 We have exceeded our objectives.

*Document at least 20 previously-unknown invasive plant infestations every year. At a minimum record the species, specific location, abundance, date observed, and observer name. Provide data to the U.S. Forest Service and enter into the Michigan Invasive Species Information Network (MISIN) map system.*

\*Provided to the USFS on October 1<sup>st</sup>, 2016. The Iron Baraga Conservation District reported 2,314 locations of exotic plants in 2016!

*Provide the U.S. Forest Service with a minimum of 10 photos documenting invasive species activities every year.*

See Attachment #3.

*Write a minimum of four news releases per year concerning invasive species in the WePIC area. Provide news releases to the Iron County Reporter, Ironwood Daily Globe, Ontonagon Herald and local radio (WOBE, WIKB, WUPY, WIMI, WJMS, WUPM, WHRY). Provide copies of news releases, and other outreach documents, to the U. S. Forest Service.*

Provided to the USFS throughout the grant period.

The Iron Baraga Conservation District submitted two invoices in 2016, for a total of \$27,634.94. Just \$1,325.30 remains, which will be invoiced for soon. The final invoice will mark the completion of all work under this agreement. We are working on a new agreement with the US Forest Service, to continue invasive species work from 2017 to 2022.

Attachment #1. Iron Baraga Conservation District 2016 Clean Boats Clean Waters Results.

Date	Waterbody	People	Type of Boat						Other	Boat Washed	
			None	Fish	Canoe	Kayak	Pontoon	Pleasure		YES	NO
4/14/2016	WePIC Meeting/ICLASP	30	30							2	0
5/21/2016	Ottawa Lake	5	3	2						1	1
5/21/2016	Brule Lake	5	3	1	1					2	0
5/21/2016	Haggerman Lake	9	5	2			1		1	2	2
5/24/2016	Ottawa Lake	6	4	2						2	0
5/24/2016	Brule Lake	0	0							0	0
5/24/2016	Haggerman Lake	6	4	1				1		1	1
5/30/2016	Fortune Lake	5	1	3					1	0	4
6/1/2016	MDNR Bewabic Staff	15	15								
6/5/2016	Ottawa Lake	14	10	2			1	1		3	1
6/5/2016	Brule Lake	10	6	3					1	3	1
6/5/2016	Haggerman Lake	5	5							0	0
6/5/2016	Bewabic	10	7	1			1		1	3	0
6/9/2016	Ottawa Lake	5	3	1	1					1	1
6/9/2016	Brule Lake	5	4	1						1	0
6/10/2016	Michigamme	15	10	2	1		1		1	3	2
6/11/2016	Free Fishing Weekend at Bewabic State Park	75	75								
6/11/2016	Fortune Lake	29	19	7				1	2	10	0
6/11/2016	Sunset Lake	48	28	15		3		1	1	20	0
6/11/2016	Peavy Dam	13	9	4						4	0
6/12/2016	Fortune Lake	17	11	2		1	1	1	1	5	1
6/12/2016	Sunset Lake	22	12	8					2	10	0
6/13/2016	Peavy Dam	16	11	3			2			2	3
6/13/2016	Lake Mary	4	3		1					1	0
6/14/2016	Brule Lake	7	4	3						2	1
6/14/2016	Ottawa Lake	13	9	1	1		1		1	3	1
6/15/2016	Township Hall	12	11	1						1	0
6/16/2016	ICLASP AIS Blitz Training	5	5								
6/16/2016	Aspris Women in the Outdoors at Bewabic State Park	42	42								
6/16/2016	Chicagoan Lake	18	13	5						1	4
6/17/2016	Glidden	33	24	9						4	5
6/18/2016	Ottawa Lake	7	4	2	1					3	0
6/18/2016	Brule Lake	8	4	4						3	1
6/18/2016	Camp Lake	0	0							0	0
6/18/2016	Stanley Lake	3	2	1						0	1
6/20/2016	Peavy Dam	16	11	4			1			3	2
6/21/2016	Fortune Lake	15	5	2		7	1			10	0
6/22/2016	Way Dam	9	6	2			1			2	1
6/22/2016	Glidden	0	0							0	0
6/22/2016	Peavy Dam	8	5	3						3	0
6/22/2016	Fortune Lake	4	2	2						2	0
6/23/2016	Fortune Lake	14	8	3	1		1		1	4	2
6/24/2016	Peavy Dam	31	20	4		7				10	1
6/25/2016	Lake Ellen EWM AIS Workshop Hand Pulling and Disinfection and Identification	46	46								
6/25/2016	Chicagoan Lake	10	5	1	1	2	1			3	2
6/27/2016	Fortune Lake	17	11	3	1		1	1		5	1
6/28/2016	Ottawa Lake	2	1	1						1	0
6/28/2016	Brule Lake	1	0	1						1	0
6/30/2016	Fortune Lake	17	10	5	1		1			6	1
7/1/2016	Glidden Lake	6	6							0	0
7/1/2016	Chicagoan Lake	28	17	3	6		2			0	0

Date	Waterbody	People	Type of Boat						Other	Boat Washed	
			None	Fish	Canoe	Kayak	Pontoon	Pleasure		YES	NO
7/1/2016	Fortune Lake	38	38							0	0
7/1/2016	Stager Lake	1	1							0	0
7/2/2016	AIS Booth in Amasa for 125th and Parade	400	400								
7/2/2016	Stager Lake	1	1							0	0
7/2/2016	Glidden Lake	6	6							0	0
7/3/2016	Alpha Parade and AIS Booth	200	200								
7/3/2016	Runkle	1	0			1				0	1
7/4/2016	Gibson	36	33	1	1				1	0	3
7/5/2016	Way Dam	14	9	3			1	1		4	1
7/5/2016	Peavy Dam	10	6	1	1		1	1		3	1
7/7/2016	Ottawa Lake	7	3	2	1				1	4	0
7/7/2016	Brule Lake	4	2	2						2	0
7/8/2016	Peavy Dam	20	11	7	1				1	9	0
7/8/2016	Golden Lake	3	1	2						0	0
7/9/2016	Bass Festival Parade & Booth	300	300								
7/9/2016	Paint River	30	15		15					30	0
7/11/2016	Ottawa Lake	9	5	4						2	2
7/12/2016	Fortune Lake	15	9	4	1			1		5	1
7/13/2016	Chicagoan Lake	11	7	1	1	1	1			4	0
7/14/2016	Way Dam	22	14	2	2	2	1	1		6	2
7/15/2016	Lake Mary	8	4	4						1	3
7/15/2016	Peavy Dam	16	9	3	1	1		1	1	5	2
7/17/2016	Fortune Lake	11	5	2	2	2				6	0
7/19/2016	Chicagoan Lake	16	12	3			1			4	0
7/20/2016	Chicagoan Lake	11	7	4						3	1
7/20/2016	Fortune Lake	12	6	4					2	5	1
7/21/2016	Ottawa Lake	8	5	3						3	0
7/21/2016	Brule Lake	7	5	1			1			1	1
7/22/2016	Rodeo Parade	3000	3000								
7/22/2016	Michigamme	16	9	6	1					5	2
7/22/2016	Peavy Dam	13	8	2	1		1	1		3	2
7/25/2016	Chicagoan Lake	31	21	4	2	1	1	2		10	0
7/27/2016	Fortune Lake	11	7	2	1	1				4	0
7/29/2016	Camp Lake	6	3	3						2	1
7/29/2016	Stanley Lake	8	4	2	1			1		4	0
7/29/2016	Bewabic	12	7	3		2				3	2
7/30/2016	Swan Lake Meeting	16	16								
7/30/2016	Swan Lake	6	3	3						3	0
7/30/2016	Peavy Dam	16	8	5			3			3	5
7/31/2016	Ottawa Lake	28	20	4		1	1	2		4	4
8/1/2016	Peavy Dam	14	8	3	1		1	1		4	2
8/1/2016	Chicagoan Lake	14	9	4			1			2	3
8/2/2016	Michigamme	21	10	5		5	1			9	2
8/3/2016	Snow Kats Meeting	32	32								
8/4/2016	Bewabic	0	0							0	0
8/5/2016	Glidden Lake	4	2	2						1	1
8/5/2016	Ottawa Lake	10	6	2	1		1			4	0
8/5/2016	Brule Lake	11	7	4						2	2
8/6/2016	Way Dam	19	12	4		2	1			3	4
8/6/2016	Chicagoan Lake	25	16	5		1	1	2		8	1
8/8/2016	Chicagoan Lake	8	4	3	1					3	1
8/8/2016	Fortune Lake	8	3	1		3			1	5	0
8/8/2016	Way Dam	0	0							0	0
8/9/2016	Peavy Dam	13	8	3	1				1	3	2
8/9/2016	Lake Mary	9	6	2			1			3	0
8/9/2016	Glidden Lake	6	3	2	1					2	1
8/9/2016	Ottawa Lake	11	7	3				1		2	2

Date	Waterbody	People	Type of Boat						Other	Boat Washed	
			None	Fish	Canoe	Kayak	Pontoon	Pleasure		YES	NO
8/10/2016	Chicagoan Lake	8	4	2	1	1				4	0
8/10/2016	Fortune Lake	16	11	2			1	1	1	4	1
8/11/2016	Iron County Fair	100	100								
8/12/2016	Baraga County Fair	7	7								
8/12/2016	Iron County Fair	300	300								
8/12/2016	Fortune Lake	17	10	3	1	1	1		1	5	2
8/13/2016	Baraga County Fair	19	19								
8/13/2016	Iron County Fair	400	400								
8/14/2016	Baraga County Fair	3	3								
8/14/2016	Iron County Fair	200	200								
8/14/2016	Swan Lake	4	2				1	1		0	2
8/15/2016	Ottawa Lake	8	4	4						3	1
8/15/2016	Brule Lake	4	2	2						2	0
8/15/2016	Chicagoan Lake	14	8	5				1		4	2
8/16/2016	Camp Lake	4	2	2						2	0
8/16/2016	Stanley Lake	6	3	3						3	0
8/16/2016	Stager Lake	3	1	1		1				2	0
8/17/2016	Peavy Dam	14	8	4	1				1	6	0
8/17/2016	Lake Mary	4	2	2						2	0
8/17/2016	Brule Lake	6	1	1		4				4	1
8/17/2016	Stanley Lake	4	0						4	4	0
8/18/2016	ICLASP Meeting	26	26								
8/19/2016	Lake Ellen	7	0			7				7	0
8/19/2016	Way Dam	7	4	3						2	1
8/20/2016	Fortune Lake	6	3	3						2	1
8/22/2016	Way Dam	6	0	4	1	1				4	2
8/23/2016	Peavy Dam	5	0	3		1	1			3	2
8/26/2016	Way Dam	6	0	6						3	3
8/28/2016	Peavy Dam	4	0	4						3	1
8/28/2016	Lake Mary	1	0	1						1	0
9/2/2016	Fortune lake	9	0	4	1	1	1	2		6	3
9/3/2016	Fortune Lake	9	0	5	1	1	1	1		5	4
9/4/2016	Fortune Lake	9	0	5	1	1	1	1		9	0
9/5/2016	Fortune Lake	9	0	3	1	3		2		7	2
9/6/2016	Brule Lake	5	3	2						2	0
9/7/2016	Ottawa Lake	6	6								
9/7/2016	Fortune lake	4	0	3				1		2	2
9/8/2016	Chicagoan Lake	4	2	2						1	1
9/9/2016	Ottawa Lake	1	0	1						0	1
9/9/2016	Chicagoan lake	4	0	4						3	1
9/11/2016	Chicagoan Lake	5	0	2	1		1	1		4	1
9/12/2016	Chicagoan Lake	5	3	1		1				0	1
9/13/2016	Brule Lake	2	2								
9/13/2016	Fortune lake	5	0	1	1	2		1		3	2
9/14/2016	Brule Lake	3	2	1						1	0
9/15/2016	Ottawa Lake	0	1							0	1
9/15/2016	Fortune Lake	4	0	4						3	1
9/16/2016	Chicagoan Lake	6	4	2						0	2
9/16/2016	Peavy Dam	3	0	3						2	1
Date	Waterbody	People	Type of Boat						Other	Boat Washed	
			None	Fish	Canoe	Kayak	Pontoon	Pleasure		YES	NO
		6513	5804	301	60	65	40	29	20	392	125

**Boat Washer Staff Contacted 6513 People about AIS**  
**Boat Washer Staff Came in Contact with 495 Watercraft**  
**Boat Washer Staff Received Permission to Wash 392 Boats**

Attachment #2. Photos



*Figure 1 Sue James, lost in a patch of Giant Knotweed in Gogebic County.*



*Figure 2 Garlic Mustard Pull on Mongohela Road, Iron County.*



Figure 3 Exotic Plant watch at Lake Ellen with Lynn & Bill Fleming.

**CLEAN BOATS CLEAN WATERS**

**Aquatic Invasive Species Landing Blitz**  
July 1<sup>st</sup> to July 10<sup>th</sup> 2016

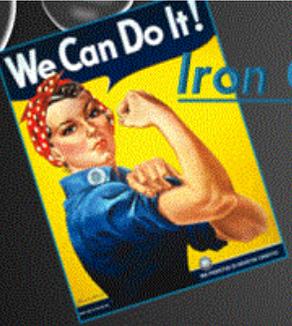
**Don't Miss It!**

Love Your Launch,  
Spread the Word!

**DEQ Department of Environmental Quality**

Kevin Walters  
 Aquatic Biologist – Aquatic Invasive Species  
 MI DEQ Water Resources Division  
 Waltersk3@michigan.gov  
 517-284-5473

Figure 4 Compilation of various CBCW activities.

# Iron County Lakes and Streams Partnership

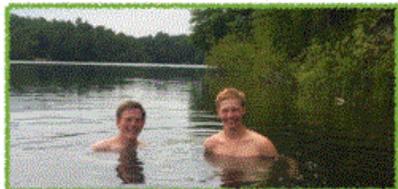


With the help of Rosie the Milfoiler, On June 21<sup>st</sup>, The Women of Iron County Lakes and Streams Partnership, taught “Aspiring Women” at Bewabic State Park, about the many threats that Aquatic Invasives pose to our lakes and streams. Prevention was key, as we flexed our zebra mussels, and shot our bleach solution bottles. As the shifts changed and more women wandered past out station....

The screams grew louder as we chanted: **WE CAN DO IT ! WE CAN DO IT !**

Figure 5 Compilation of Women in the Outdoors Presentation.

## Lake Ellen Eurasian Watermilfoil ID & Hand Pulling Training


**2nd EWM Handpull a Success!**

Skilled in identification and removal, Lake Ellen Camp lifeguards, Jace Stuebs and Scott Peterson hand-pulled **NINE** Eurasian watermilfoil plants off the point by the Lake Ellen Camp’s campfire circle on July 7. The plants were wedged between logs and clustered in a small area. Lynn Fleming monitored and collected the EWM that was pulled from the lake and snapped this candid from her kayak.

**The camp kids got into the act, and Soon a competition was born!**

**Thank you!  
Barb & Bill  
of Many Waters LLC!**

Figure 6 Compilation of Lake Ellen Milfoil and AIS Education at Lake Ellen.

**MISIN** Midwest Invasive Species Information Network

Did you know that every summer WePIC's Partner UPRC&D sends Hank Lotoszinski of MISIN fame to hold a MISIN approved training across the Upper Peninsula of Michigan.

While we can not promise to always have Hank, we can promise that there are multiple MISIN mapping Workshops held by WePIC and other CISMA's each year.

Don't have a GPS? Try the App!

Upper Peninsula  
Resource Conservation  
and Development Council

Figure 7 Compilation of MISIN Mapping workshop help in Iron County.



Figure 8 Garlic Mustard pull on Mongohela Road



Figure 9 Display at the UMISC Conference in La Cross, WI



Figure 10 Tim Bendick JR & Sue James help out with the EWM hand pull at Ellen Lake.



Figure 11 EWM Hand Pull training with Many Waters at Lake Ellen.