

**U.S. Army Corps of Engineers
Fiscal Year 2012
Handshake Program Application**

Please review instructions before completing application!

Corps Lake/Project Name:**Gull Lake Recreation Area**

Handshake Proposal Title:**Invasive Species Wash Station**

Corps POC Name:**Mary Kay Larson**

Telephone:(**218**) **829** - 3334 ext.

E-Mail: **marykay.l.larson@usace.army.mil**

A. Partnership Project Type:

- Challenge Partnership Project**
 SCA Intern/Work Crew Project
 Combined Challenge Partnership and SCA Project
-

B. Handshake Funding Program Request (maximum \$25,000): \$22,000

C. Challenge Partnership Eligibility Checklist (skip if SCA project only):

1. Is the funding going to be spent at Corps facilities and resources that are being maintained at 100% federal expense? **Yes** (eligible) **No** (not eligible)*
2. Is the agreement with a non-federal public or private entity(ies)? **Yes** (eligible) **No** (not eligible)*
3. Is the proposed activity within current authorities and contained in the annual or 5-year work plan in the approved OMP? **Yes** (eligible) **No** (see # 4)
4. If No for #3, when will the OMP be updated and approved? (Example: Sept 11) **

**Proposal cannot be authorized under the Corps' challenge partnership authority.*

*** If date provided in answer to question 4 would come after the commencement of your proposed challenge partnership your activity can not be authorized.*

D. Cooperating Association Agreement Bonus: (skip if SCA project only)

Challenge Partnerships that include an organization (cooperating associations, friends groups) with which your project/district has recently (after January 1, 2009) entered into a Cooperative Agreement are eligible to compete for an additional \$5000. You must include a copy of the signed agreement with your proposal. (Reference Chapter 9 of ER and EP 1130-2-500 for information on cooperating associations).

Date of Cooperating Association Agreement: 28-Sept-11 (must be after January 1, 2009 to be eligible).

E. Incentive Points Categories: Check the box for each category that applies to your partnership project and include an explanation in the project description (Section F.). Qualifying applications will receive bonus points on their evaluation score.

Includes a veteran's and/or military family organization. Groups must be an intended signatory to the agreement in order to qualify for the bonus points.

Americas Great Outdoors – <http://americasgreatoutdoors.gov/> - Contributes to USACE efforts to accomplish USACE action items identified in AGO report: List action item #: .

National Recreation Strategic Plan- <http://corpslakes.usace.army.mil/visitors/strategy.cfm> – Contributes to USACE efforts to accomplish goals and objectives: List objective #: .

F. Describe your partnership and the proposed project:

Your project will be evaluated on the following categories: **Sustainability, Partnership Value, Recreation Benefit, Environmental Stewardship Benefit, Communication and Education Value, and Innovativeness.** Please address each in your description. Also address incentive point categories you have identified in Section E. If the project involves a SCA intern/crew please include the number of SCA volunteers that will be involved and describe what they will be doing.

Description:

Project Description:

The Gull Lake Recreation Area proposes a combined challenge partnership with the Gull Chain of Lakes Association (GCOLA), MN Department of Natural Resources (MNDNR) and the Student Conservation Association (SCA) to purchase a power wash station for use at the Gull Lake Recreation Area boat access. This collaborative effort will help protect the Gull Lake Chain of Lakes from the spread of aquatic invasive species. Trained operators will perform inspections on boats and trailers entering and leaving the lake at Gull Lake Recreation area. If boats meet DNR criteria, the boat and trailer will be decontaminated with 160 degree water to remove the invasive species so they don't spread from lake to lake. All water and materials will be collected in a HazMat pad and disposed of accordingly. The proposed plan is to purchase the power wash station and train the operators so that it can be put into operation the weekend of Minnesota Fishing Opener (May 12, 2012) and remain in operation until Labor Day weekend (September 3, 2012), which encompasses the lakes heaviest boat traffic. The goal is to continue this practice annually.

Sustainability: With the partners assistance this project will be sustainable both financially and environmentally. Future costs will consist mainly of labor in order to utilize the wash station annually . All partners are dedicated to preserving and protecting our water resource by preventing the spread of aquatic invasive species.

Partnership Value: It would be very difficult for this project to become a reality without this assistance through partnering. Through this partnership the Federal, State and local lake association combine resources, education, experience and funds to protect and manage for long-term public access to and use of our water resource.

Environment Stewardship: This project would definitely have a positive impact on our water resources. Although the Gull Lake Chain of Lakes has zebra mussels, there are at least 14 other invasive species not yet found in Gull Lake that are of great concern. It is important to work proactively to keep additional invasive

species from entering the lake and to prevent further spread of existing invasive species. With the vested interest in the protection of our water resource, partners, volunteers and operators can inform the visiting public using the resource of the importance of following the guidelines for not transporting invasive species from one body of water to another.

Communication and Education Value: Education and communication are key in promoting awareness of environmental values and the importance of environmental stewardship, protection, compliance, and restoration practices and this will be conveyed through our operators, literature, volunteers and employees.

Recreational Benefit: Our lakes are a very valuable resource and are critical to Minnesota's 11 billion dollar tourism industry. All our partners are interested in conserving our water resource to provide public recreation opportunities to a wide variety of interests which contribute to the quality of life. The Project Site Area where the wash station would be located received over 60,000 visits in 2010, the majority of which were utilizing the boat ramp.

Innovativeness: The Gull Chain of Lakes Association is the first in the state to purchase and test a boat washing system at a public landing. The MN DNR has subsequently purchased a few of these machines for use statewide on Minnesota's 12,000 lakes. Working in partnership with the Gull Chain of Lakes Association and the MN DNR will produce the first proactive effort to bring nonprofit and governmental entities together to work on preventing the spread of invasive species.

The purchase of a power wash station (decontamination unit) supports the America Great Outdoors efforts through actions #1, 3, 8, 9, 10 by providing jobs for conservation students which are recreation and water stewardship based. It engages federal, state & local partnerships, each taking part ensuring the health of our important water resource for local economic vitality and many recreational opportunities. The one on one contact with the public and the literature that is disseminated at the project site increases the public's awareness of the importance of complying with the state regulations and recommendations in the fight against aquatic invasive species.

This project also contributes to the USACE Recreation Strategic Plan efforts by accomplishing Goals 1, 2 & 3 through increasing public awareness of the value of our water resource stewardship, which enhances our local economy, environment and recreational opportunities for future generations. In this project the Federal, State and non-profit organizations will come together as partners with a shared vision to achieve public awareness, compliance, and a means to help protect and control the spread of aquatic invasive species.

The Corps will:

The Corps of Engineers will purchase and maintain the power wash station, supply fuel for operation and coordinate the location and operation of the wash station. The Corps will also supply the partners with boat washing manuals, provide personal protective equipment needed to operate the power wash station and the necessary signage and brochures in order to educate the public to achieve maximum compliance.

The Partner(s) will:

The Gull Area Lake Association will provide two operators for one day a week from Minnesota Fishing Opener through Labor Day weekend.

The Minnesota Department of Natural Resources will provide operators for 20 hrs per week for 16 weeks from Minnesota Fishing Opener through Labor Day weekend. They will also provide the necessary training needed to operate the equipment and educate operators on identifying the invasive species.

The Student Conservation Association (SCA) will be trained to both operate the power wash station and be the source to disseminate the educational information. The intern will play a key role in public compliance as they educate and direct the users to the power wash station.

Handshake Application Financial Work Sheet

Partner Organization 1: Minnesota Department of Natural Resources

POC Name: Heidi Wolf

Address: 500 Lafayette Rd.

City: St. Paul

State: MN Zip Code: 55155

Telephone: 651-259-5152

Partner Organization 2: Gull Area Lake Association (GCOLA)

POC Name: Rosemary Goff

Address: 8081 CR 78

City: Lake Shore

State: MN Zip Code: 56468

Telephone: 218-963-3542

Partner Organization 3: Student Conservation Association

POC Name: Ray T. Auger

Address: 689 River Road / P.O. Box 550

City: Charlestown

State: MN Zip Code: 03603

Telephone: 603-543-1700

Double click on spreadsheet to access data entry fields:

	Local Corps Office	Handshake Funds	SCA	Partner 1	Partner 2	Partner 3	Total
In-Kind Services	\$1,000	N/A	\$5,350	\$8,640	\$6,120	\$0	\$21,110
Travel	\$0	N/A	\$650	\$0	\$0	\$0	\$650
Materials and Supplies	\$2,000	\$2,000	N/A	\$0	\$0	\$0	\$4,000
Equipment Use	\$0	\$0	N/A	\$0	\$0	\$0	\$0
Funds Contributed	N/A	N/A	N/A	\$0	\$0	\$0	\$0
Personal Property	N/A	N/A	N/A	\$0	\$0	\$0	\$0
Volunteer	N/A	N/A	\$0	\$0	\$0	\$0	\$0
SCA Intern/Crew	\$0	\$0	N/A	\$0	\$0	\$0	\$0
Other (explain below)	\$0	\$14,000	N/A	\$0	\$0	\$0	\$14,000
Total	\$3,000	\$16,000	\$6,000	\$8,640	\$6,120	\$0	\$39,760
Share of Total Cost	8%	40%	15%	22%	15%	0%	100.0%

Explanations: \$14,000 in Handshake funds will be used to purchase the power wash station (decontamination unit). The price also includes the attachments that are used. Attached are specifications and an example of the proposed wash station.

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Environmentally Friendly Mobile Wash and Reclaim System

- 4.7 GPM at 3,500 PSI
- Captures, filters, and recycles wash water for continuous use
- Trans-Heat Technology for better fuel efficiency

■ **Vacuum/Water Reclaim System** with 50 feet of 2-inch vacuum hose and druggable, non-tipping suction head provides continuous suction of wash water.

■ **Multi-Stage Filtering System** includes a 40 gallon holding tank with a 50 mesh/100 micron **Pre-Filter Sock**, a 20 micron **Pleated Cartridge Filter**, a 5 micron **Carbon Filter**, and an **Oil Skimmer Bag**. Clean water is directed to selected tanks for reuse, or can be dumped directly to drain, pending local EPA requirements.

■ **Honda GX660 Engine** and **LANDA LT Pump** with 7-year warranty provide 4.7 GPM at 3500 PSI of cleaning might.

■ **Heavy-Duty 4,000 Watt Generator** produces reliable 120V AC power to the burner and vacuum.

■ **Durable Swing-Away Tongue** (rated for 7,500 lbs) with **2-5/16 inch Ball Coupler**, **7-pin Electrical Trailer Plug** and heavy-duty 2,000 lb. capacity **Swivel Jack**, allows trailer to be stored in smaller area.

■ **Two Hose Reels** hold up to 100 ft. of high-pressure hose and 75 ft. of low-pressure hose.



■ **Patent-Pending Trans-Heat Technology** captures exhaust from the engine to preheat water increasing water temperatures up to 15°F providing better fuel efficiency.

■ **LANDA Duracoil** with stainless steel top wrap and 5-year warranty heats water using high-efficiency **120-volt Burner**.

■ Conveniently placed **Locked Control Panel** includes key start, choke, **Burner On/Off Switch**, **Adjustable Thermostat**, and an **Hour Meter** with low oil indicator. Also includes reclaim pump and vacuum motor switches and **Low Point Drain** for water tanks.

■ **Four Polyethylene Water Tanks** provide 400 gallons of clean water and are linked for even distribution. **Main Control Valve System** includes easy to use valves for controlling water distribution. **Feed Pump** with pressure-sensing switch alleviates wear and tear on main pump.



■ **30 in. x 7 ft. Galley** with removable gate has storage for **Vacuum Hose** underneath the floor.

■ **Insulated, spring-loaded Trigger Gun** and insulated, dual-lance **Variable Pressure Wand** make it easy to switch between detergent wash and rinse modes.

■ **Locked compartment** includes **Dual Fuel Tanks** for gasoline engine (17 gallons) and diesel burner (17 gallons). Also includes space for two detergent buckets.

■ **Safety Features** including redundant devices such as a **Rupture Disk**, and high-temperature shut down to guard against excessive pressure or heat.

■ **Four 15-inch Chrome Steel Wheels** with 205/75/R15 tires on **Tandem Axles** rated at 3,500 lbs each (7,000 lbs total) with **Electric Brakes** on both axles and battery operated **Breakaway Kit** for added safety.

■ **Four Color-Coded Quick-Couple Nozzles** made of hardened stainless steel are mounted near hose reel for ready access.

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ECOS

Environmentally Friendly
Mobile Wash and Reclaim System

- 4.7 GPM at 3,500 PSI
- Captures, filters, and recycles wash water for continuous use
- Trans-Heat Technology for better fuel efficiency



LANDA's revolutionary ECOS Mobile Wash/Reclaim System recovers, cleans and recycles the wash water from pressure washing for safe disposal or reuse—meeting most municipal and environmental regulations.

For a Better Tomorrow... Clean Green with LANDA!

LANDA's revolutionary ECOS Mobile Wash/Reclaim System recovers, cleans and recycles the dirty water from pressure washing for safe disposal or reuse—meeting most municipal and environmental regulations. And the fuel burner savings from the patent-pending Trans-Heat Technology allows for a fast return on investment. Call a LANDA Dealer to learn how your fuel savings can help make your lease payment!

For a Better Tomorrow . . . Clean Green with LANDA!

ECOS-7000 Mobile Wash/Reclaim System Specifications

Part No 1.103-825.0

Pressure Washer System

Volume 4.7 GPM
Pressure 3,500 PSI
Engine Honda GX660, 688cc
Engine Fuel Gasoline (17 gallon tank)
Pump LANDA LT (1360 RPM)
Generator 4,000 watts/120VAC
Wand Assembly Variable pressure wand with 50' hose
Detergent Downstream detergent injector

Heating System

Pre-Heating Patent-pending Trans-Heat Technology
Coil 1/2" Schedule 80
Burner Fuel Diesel/kerosene/fuel oil (17 gallon tank)
BTUs 440,000

Vacuum System

Suction 105 CFM
Hose 50' x 2" diameter

Multi-Stage Filter System

Pre-Filter 50 mesh/100 micron duo-polyester bag
Oil Removal Oil skimmer bag
Sediment 20 micron pleated polyester
Polish 5 micron carbon

Trailer

Water Tank Capacity 400 gallons
Load 7,000 lb. capacity
Trailer Axles Dual, 3,500 lbs. each with electric brakes
Wheels 15-inch wheels, ST205/75/R15 tires
Swing-Away Tongue 7,500 lb. capacity with 2 5/16 inch ball coupler
Swivel Jack 2,000 lb. capacity
Safety Chains Dual 5/16 inch steel link with latching hooks
Lighting DOT Approved Recessed lights, license plate holder
Dimensions 174"L x 75"W x 73.5 "H (with swing-away tongue extended)
Dry Weight 2,865 lbs.
Shipping Dimensions 161"L x 85"W x 82"H (pallet & crate)
Shipping Weight 3,500 lbs.

ACCESSORIES:

Description

20 micron Pleated Filter Cartridge	Additional Hose Reel Mount
5 micron Carbon Filter Cartridge	100 ft. Hose Reel
Drain Covers	100 ft. Tuff-Skin 6000 PSI Hose
Portable Wash Pads	Rear Drop Down Ramp
Water Berms	Ladder Rack

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**COOPERATIVE AGREEMENT BETWEEN THE
U.S. ARMY CORPS OF ENGINEERS AND THE
GULL CHAIN OF LAKES ASSOCIATION
(A MINNESOTA NON-PROFIT CORPORATION)**

This Cooperative Agreement is for the mutual benefit of both parties and is between the United States Army Corps of Engineers, St. Paul District (hereinafter referred to as the "Corps"), and the Gull Chain of Lakes Association (hereinafter referred to as the "Association"), acting through its President.

BACKGROUND

The Gull Lake Recreation Area (the "Project") is situated on the Gull River at the outlet of Gull Lake. The Corps operates the Project for the benefit of the public. To best serve the purposes of the Project, the public requires information and facilities for the safe and appropriate use of Corps projects. This information is conveyed through a variety of interpretive media, such as programs, exhibits, and displays that rely heavily upon the use of audio visual materials, photographs, models, interactive displays, lectures, artifacts, and other materials that illustrate the Corps, its mission and activities in and around the Gull Lake Chain of Lakes, as well as the archeological, natural and cultural history of the region.

The mission of the Association is the restoration and preservation of the highest water quality and environmental standards achievable, promotion of the responsible use of land and water resources, and recreational safety on the Gull Chain of Lakes.

The Corps and the Association mutually recognize there are significant public benefits to providing information about the Gull Lake Chain of Lakes to recreation area guests. The Corps has authority, pursuant to the Federal Water Recreation Act, Public Law 89-72; the National Historic Preservation Act, as amended, Public Law 89-665; The National Environmental Policy Act, Public Law 89-190; and the Archeological Resource Protection Act, as amended, Public Law 96-95, to provide Natural Resources Management programs, activities and interpretive functions. ER 1130-2-500 provides the District with the authority to enter into cooperative agreements to accomplish educational and interpretive functions at water resource projects. The Corps believes the availability of a map of the Gull Chain of Lakes would directly support the Project's purposes by enhancing education regarding the resource of which the Project is a part, and promoting the safe use and enjoyment by Project patrons of the Gull Lake Chain of Lakes.

The Association has the authority to assist the Corps in its presentation to the public of the natural, cultural, historical and Project related features of the Gull Chain of Lakes through programs, exhibits and materials, and desires to offer such assistance to the Corps,

THEREFORE, the Association and the Corps (the "Parties") agree as follows:

1. The Corps authorizes the Association to provide, and the Association agrees to provide, the below described interpretive and educational service to the visiting public.

2. CORPS RESPONSIBILITIES.

A. Use of Government Facilities and Personnel.

1) The Corps agrees to provide a place in its brochure rack at the Gull Lake Recreational Area office and related Visitor Centers to display maps that will be provided by the Association for sale. No fees will be charged by the Corps for the facility space allocated to the Association in connection with this Agreement.

2) Corps personnel, during the course of their normal work, will assist the Association by performing nominal sales duties. If the performance of sales duties interferes with other Corps responsibilities, as determined exclusively by the Corps, the Corps may discontinue performing sales on behalf of the Association. Should this occur, the Corps will secure any remaining maps and return them to the Association.

B. Inventory and Proceeds from the Sale of Maps

1) Map inventory provided by the Association to the Corps will remain the property of the Association and will be considered to be loaned to the Corps while the Corps is in possession of the Inventory.

2) The Corps agrees to collect money on behalf of the Association from the sale of the maps provided by the Association. The Association will set the sales price for maps. Money collected by Corps personnel will be kept separate from, and not mixed with, Corps funds. Corps personnel who perform sales duties will document the sale of Association merchandise and will account for all funds collected.

3) The Corps agrees to use reasonable care in the storage and supervision of Association property and the collection and storage of proceeds from the sale of maps. However, in the event that Association merchandise is lost, stolen, or damaged, or in the event that there is a discrepancy between the number of maps sold and the amount of money collected by the Corps on behalf of the Association, the Corps and Corps employees will not be liable to the Association or its suppliers for the lost, damaged, or stolen maps or for reimbursement of the Association for such loss.

3. ASSOCIATION RESPONSIBILITIES.

A. Interpretive Activities.

The Association will make available a map of the Gull Chain of Lakes that will be sold at Corps facilities at the Project. The Gull Lake Chain map will provide information to recreational area visitors regarding lake depths, boat access locations, lake statistics, fishery information, and other relevant information. The proceeds from the map sales will be used by the Association in furtherance of its mission.

B. Corporate Requirements.

1) The Association's Articles of Incorporation and By-Laws shall comply with the requirements of the State in which the Association is incorporated. Non-profit 501(c)(3) status must be maintained in accordance with State and Federal laws. The Association will make available for inspection, at the request of the Corps, documents demonstrating non-profit status.

2) This agreement will automatically terminate if the Association's non-profit 501(c)(3) status is not maintained.

3) The Association shall save, and hold harmless the United States against all fines, claims, damages, losses, judgments and expenses arising out of, or from any omission, or activity of the Association in connection with, activities under this Agreement.

4) The Association will exercise reasonable care to prevent damage to any Government property used, or occupied pursuant to this Agreement, and shall, insofar as possible, protect all such property.

4. MISCELLANEOUS

A. The Association and the Corps shall each designate, in writing, an Association member and a Corps employee and alternate who will act as points of contact for the purpose of implementing this Agreement.

B.. No transfer or assignment of this Agreement or any part thereof or interest therein, directly or indirectly, voluntary or involuntary, shall be made by the Association unless approved in writing by the Corps.

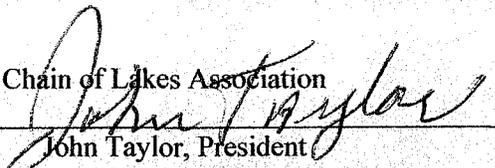
C. Modifications and amendments to this Agreement in the form of Supplemental Agreements may be made from time to time upon the mutual written consent of the District Commander for the Corps and the President of the Association.

D. This Agreement shall be effective for FIVE years commencing on the day following the signature of the Corps representative. This Agreement will be renewable for another five-year period on October 1 of the last year, unless notice of cancellation is given by either party before the date of renewal.

E. The rights and benefits conferred by this agreement shall be subject to the laws of the United States governing the Corps of Engineers and to the rules and regulations promulgated thereunder whether now in force or hereafter enacted or provided; and the mention of specific restrictions, conditions, and stipulations herein shall not be construed as in any way impairing the general powers of supervision, regulation and control by the Corps.

F. The Association agrees that all its activities shall be conducted in accordance with all applicable laws and regulations, both State and Federal.

IN WITNESS WHEREOF, the Association has caused this Agreement to be executed this 18th day of September, 2011.

Gull Chain of Lakes Association
By 
John Taylor, President
Gull Chain of Lakes Association

IN WITNESS WHEREOF, The Corps has caused this Agreement to be ratified this 28th day of September, 2011.

UNITED STATES ARMY CORPS OF ENGINEERS
By 
MICHAEL J. PRICE
COL, EN
St. Paul District Commander