

**MEETING DATE:** June 28, 2018

**TITLE:** Authorization to Purchase Equipment for Carp Management in the SMCHB Subwatershed

**RESOLUTION NUMBER:** 18-061

**PREPARED BY:** Anna Brown

**E-MAIL:** abrown@minnehahacreek.org

**TELEPHONE:** 952-641-4522

**REVIEWED BY:**  Administrator  Counsel  Program Mgr. (Name): \_\_\_\_\_  
 Board Committee  Engineer  Other

**WORKSHOP ACTION:**

<input type="checkbox"/> Advance to Board mtg. Consent Agenda.	<input type="checkbox"/> Advance to Board meeting for discussion prior to action.
<input type="checkbox"/> Refer to a future workshop (date): _____	<input type="checkbox"/> Refer to taskforce or committee (date): _____
<input type="checkbox"/> Return to staff for additional work.	<input type="checkbox"/> No further action requested.
<input checked="" type="checkbox"/> Other (specify): <b>Approval at June 28<sup>th</sup> Board Meeting</b>	

**PURPOSE or ACTION REQUESTED:**

Authorization to purchase equipment to assist in carp removal and monitoring consistent with the Lessard Sams Outdoor Heritage Council Grant Accomplishment Plan, including:

- Up to 15 aeration units
- A backpack electrofisher
- An electrofishing boat
- Up to 80 radiotags

**PROJECT/PROGRAM LOCATION:**

Six Mile Creek Halsted Bay Subwatershed

**PROJECT TIMELINE:**

All materials being purchased will be use throughout the Lessard Sams Grant period, from 2018-2021

**PROJECT/PROGRAM COST:**

Fund name and number: Research and Monitoring 500-5001

Current Budget: \$126,500 (Lessard Sams grant match)

Expenditures to date: \$3,258.00

Requested amount of funding: \$88,286.00 (Cost of radio tags not included as they are grant funded)

**PAST BOARD ACTION:**

17-036 Authorization to Request Funding from Lessard Sams Outdoor Heritage Council

## **SUMMARY:**

In September of 2017, the Lessard Sams Outdoor Heritage Council recommended the Six Mile Creek-Halsted Bay (SMCHB) Habitat Restoration Project for \$567,000 to the Minnesota State Legislature. The funding bill was approved by the legislature and funds will be available July 1, 2018 for project implementation.

The program takes a holistic and comprehensive approach to managing common carp in the SMCHB Subwatershed, consisting primarily of three management strategies:

- Adult biomass removal
- Aeration of shallow lakes to prevent successful carp reproduction
- Barriers to prevent carp movement between waterbodies and assist with removal

Consistent with the accomplishment plan approved by the Lessard Sams Outdoor Heritage Council, the grant funds will be used to pay for the capital cost of barrier installation, utility installation for aeration, and the fish removal contracts. The District match includes equipment for removal and monitoring, the aeration units, and design services for barriers.

Staff are seeking authorization to purchase the following equipment:

### Aeration Units

Staff are recommending the acquisition of up to 15 aeration units, which provides for two per waterbody and three alternates. Deploying two at a time will minimize system failures. No units will be purchased until land rights to install and maintain the units are secured for any given waterbody. The original budget for this work was \$22,000.00 and it is a District expense. The cost of each unit is \$1,230.00 for a not to exceed amount of \$18,450. The model selection is based on best practice in the state, as this model is used by Three Rivers Park District, the DNR, and the City of Eagan for fisheries management. The units are being purchased directly from the manufacturer.

### Electrofishing Backpack

The backpack electrofisher will be used to stun carp in the stream channel and aid in their removal. The District budgeted \$10,000 for this and it is a District expense. Staff requested and received two quotes from vendors. The recommendation is select the low quote from Halltech Aquatic Research, Inc. at a cost of \$7,075.50.

### Electrofishing Boat

An electrofishing boat will be used to provide updated carp population surveys that will track management progress, as well as monitor populations long-term. The District budgeted \$70,000.00 and it is a District expense. Staff requested quotes from three vendors and received two responses. The recommendation is to select to low quote from Smith-Root, Inc. at a cost of \$62,760.48.

### Radio Tags

Radio tags will be used to track carp movement and winter congregation to aid in removal efforts and monitor project effectiveness. The District budgeted \$28,000.00 and this is a grant-eligible expense. Up to 80 new radio tags will be purchased for a total cost of 14,090.00 and will be installed by Carp Solutions, LLC. Radio tags will be a grant reimbursable expense. The tags are being purchased from the manufacturer, Advanced Telemetry Systems, and are compatible with the District's radio tag reader.

**RESOLUTION**

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**RESOLUTION NUMBER:**    18-061

**TITLE:**            **Authorization to Purchase Equipment for Carp Management in the Six Mile Creek-Halsted Bay Subwatershed**

WHEREAS, pursuant to Resolution 14-047 the MCWD Board of Managers has identified the Six Mile Creek-Halsted Bay (SMCHB) Subwatershed as a priority area for focusing District planning activities and coordination efforts with subwatershed partners; and

WHEREAS, on October 10, 2013, the MCWD Board of Managers authorized the execution of a contract with Dr. Peter Sorenson and the University of Minnesota to conduct a three-year carp assessment of the SMCHB subwatershed to identify recruitment, carp census, and management strategies; and

WHEREAS, in May of 2017, the MCWD Board of Managers authorized staff to apply for funding to the Lessard-Sams Outdoor Heritage Council to restore 2,488 acres of deep and shallow lake habitat through carp management;

WHEREAS, at the February 22, 2018 MCWD Planning and Policy Committee meeting, staff presented the Lessard-Sams Outdoor Heritage Council approved accomplishment plan, under which the grant funds capital cost of barrier installation, utility installation for aeration, and the fish removal contracts; and the District match includes equipment for removal and monitoring, the aeration units, and design services for barriers;

WHEREAS, staff solicited competitive quotes for the acquisition of equipment to aid in carp removal, monitoring, and management, consisting of the electrofishing backpack and electrofishing boat, and recommends acquiring the aeration units and radio tags without competitive quotes, because in both cases these models are widely used in carp management throughout the state, and they are being purchased directly from the respective manufacturers of this equipment, and the radio tags are known to be compatible with existing equipment owned by the District;

WHEREAS, consistent with the accomplishment plan, the radio tags will be reimbursed through the grant funding, and the costs of the aeration units, electrofishing backpack, and electrofishing boat will be District match.

**NOW, THEREFORE, BE IT RESOLVED** that the Minnehaha Creek Watershed District Board of Managers authorizes the District Administrator to purchase equipment to facilitate carp management in the Six Mile Creek-Halsted Bay Subwatershed consistent with the Lessard-Sams Outdoor Heritage Council Grant Accomplishment Plan, as follows:

- \$18,450.00 for up to fifteen aeration units from Aeration Industries International
- \$7,075.50 for a backpack electrofisher from Halltech Aquatic Research, Inc.
- \$62,760.48 for an electrofishing boat from Smith-Root, Inc.
- \$14,090.00 reimbursable for radio-transmitters from Advanced Telemetry Systems

Resolution Number 18-061 was moved by Manager \_\_\_\_\_, seconded by Manager \_\_\_\_\_.  
Motion to adopt the resolution \_\_\_ ayes, \_\_\_ nays, \_\_\_ abstentions. Date: \_\_\_\_\_.

\_\_\_\_\_  
Secretary



**Aeration  
Industries  
International**

4100 Peavey Road, Chaska,  
MN 55318, USA

**Date** 19 June 2018  
**Customer** Eric Fieldseth  
**Project Name** Minnehaha Creek Watershed  
**Project Number** 18-4-8783  
**Sales Rep** Marcos Kroupa

Q U O T A T I O N

Bill To	Ship To
Minnehaha Creed Watershed	Client will pick up

Quote ID	Rev	Ship Via	Shipping Method	Payment Terms
QUO-10037-T5B6	0	Pick Up	EXW	PREPAID

Product	Description	Qty	Unit	Unit Price	Ext Amount
5101226	AQUA UNI-FLT 2HP 208-230V 60HZ 1PH 1.15 SF	15.00	EA	\$1,230.00	\$18,450.00

EXCLUSIONS: Installation, duties and taxes are not included. Electrical cabling and controls, and anchoring hardware and cables are not included.

NOTES: Shipment can be made in 4-5 weeks from receipt of payment.

Quotation is valid for 30 days from date at top of this document.

Aeration Industries International reserves the right to re-evaluate the pricing quoted prior to order acceptance.

EX-IM BANK PREMIUMS: Orders with 0-60 day terms insured through EX-IM Bank will be subject to an additional charge of \$0.55 per \$100.00. Orders with 61-120 day terms insured through EX-IM Bank will be subject to an additional charge of \$0.90 per \$100.00.

<b>Total Ext Amount:</b>	<b>\$18,450.00</b>
<b>Freight:</b>	
<b>Tax:</b>	<b>\$0.00</b>
<b>TOTAL:</b>	<b>\$18,450.00</b>

**4100 Peavey Road • Chaska, Minnesota 55318 • USA**

Telephone: (952) 448-6789 • Email: [aiii@aireo2.com](mailto:aiii@aireo2.com) • Facsimile: (952) 448-7293



# QUOTE

129 Watson Road South  
 Guelph, ON N1L 1E4  
 Canada  
 Phone (519) 766-4568  
 Fax: (519) 766-0729

Quote No.: 40969  
 Date: May 09, 2017  
 Page: 1

**Sold To:**

Minnehaha Creek Watershed District  
 15320 Minnetonka Blvd  
 Minnetonka, MN 55345

**Ship To:**

Minnehaha Creek Watershed District  
 Jill Sweet  
 15320 Minnetonka Blvd  
 Minnetonka, MN 55345  
 FED TAX ID REQUIRED

(952) 641-4501

Business No.: 895832509RT0001

Item No.	Qty	Description	Base Price	Disc. %	Amount
775203P	1	HT-2000 Battery Powered Backpack Electro-Fisher S/N ????????	7,695.00	10.00	US\$6,925.50
		includes:			
77523P	1	3 Piece Anode Pole - S/N	450.00	100.00	
77525-11-3P	1	11" Adjustable Anode Ring - 3 PC	95.00	100.00	
77524CT	1	Cathode Tail	200.00	100.00	
77521L	1	29 V 10Ah Lithium Battery - S/N	750.00	100.00	
77522L	1	29.4V 2A li ion charger - S/N	295.00	100.00	
1650-021-110	1	1650NF,WL/NF,BLACK Pelican Case with handle & wheels	400.00	100.00	
		3 Piece Anode Pole may be substituted with a Telescopic Anode Pole at an additional cost of \$125 or a Crutch Style Anode Pole at an additional cost of \$225			
		UPGRADE ALL CONNECTORS TO BAYONET STYLE METAL AMPHENOL			
		Freight			US\$150.00

Prices Valid for 30 days Payment in Advance/30 days net OAC

**Comments**

Sold By: Anderson, Candice M

**Total Amount**

US\$7,075.50



Smith-Root, Inc.  
16603 NE 50th Ave  
Vancouver, WA 98686  
360-573-0202  
360-573-2064 FAX  
www.smith-root.com

Federal ID #91-0843323

# Our Quotation # 013920-01

Quotation Valid Thru : 08/14/2018

Bill To: 012504

MINNEHAHA CREEK WATERSHED DISTRICT  
15320 Minnetonka Blvd

MINNETONKA MN 55345  
United States

Ship To:

MINNEHAHA CREEK WATERSHED DISTRICT  
15320 Minnetonka Blvd

MINNETONKA MN 55345  
United States

Attention : JILL SWEET

Quote Date	Your Request #	FOB	Ship Via	Salesperson
06/14/2018	EMAIL	DESTINATION	TRUCK	JP
Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
001	10289S NS BOAT SR-KANN 16FT CUSTOM ELECTROFISHING BOAT BOAT SR-KANN 16FT CUSTOM ELECTROFISHING BOAT  We are pleased to present our quote for your requested 18ft All Welded Custom Electrofishing boat  ***Quoted as equal or exceeds on all requested specifications. Please note the all welded construction (nothing is pressed) and the rugged/heavy duty material used to create this boat which is thicker and more rugged than other suppliers. The increased side thickness and foam filled hull provides maximum safety and a much greater service life. Couple this with Smith-Root's long lasting and reliable boom/array system, the electrofishing boat quoted herein will exceed your expectations in both reliability and performance.  Please see below and herein for details and specifications.  -3/16in Thick Marine Grade Aluminum Work Boat Hull  -60in Bottom Width, 84in Beam, 24in Side Walls, 20in Transom, Double Hole Bow eye  -Sprayrails welded not pressed  -Smooth interior sidewalls for superior clean out capabilities  -4in false floor, Foam filled and .187in tread plate	1.0000 EA	30,000.00	US\$ 30,000.00

ORIGINAL



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Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
	-Rectangular Gunwale Cap with Rounded edge			
	-1-1/2 drain plug			
	-(2) Bottom rails: 2in x 2in x 10ft angle. Welded, not pressed			
	-Rear sump area			
	-40in bow deck, foam filled, .187in tread plate top with lip and Scupper			
	-36in Stern flotation box in rear corners of boat			
	-Full width bench seat with lockable lid, mounted flush with stern float boxes			
	-Sidemount Steering console (raised 2 inches)			
	-Side mount LED navigation lights (Switch on Console)			
	-Bilge Pump, 500GPH, Auto, Installed			
	-12V Receptacle in console			
	- 6 gange Fuse panel			
	-Marine Grade battery			

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Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
	<p>-Transom bracket</p> <p>Selected upgrades:</p> <p>-Generator Stand: \$300 (YES)</p> <p>-Fully Removable Railing 42in Tall Bow Deck Railing with Removable Front Gate= \$923.00 (YES)</p> <p>-Smith-Root's Rugged Remote footswitchs installed at the bow and steering console.</p> <p>-Electrofishing support system: Swing out electrofishing booms (telescoping) made of Custom UV resistant fiberglass material. Booms are removable and come with heavy duty wiring and strain relief system. Booms will also have removable/adjustable hangers that mount to safety rail and Smith-Root's fully adjustable/lockable clutch system. This clutch system includes custom friction pads which provide a greater service life over previous versions.</p> <p>-Includes (2) ADJUSTABLE UMBRELLA AUA-6 ARRAYS This heavy-duty array is designed for durability and long life. It features six stainless steel dropper cables that expand from six inches to forty-two inches in diameter; also, the droppers are submersible to three feet of water. Folds into a compact package for easy storage and portability. The array is complete with a brass quick connect fitting and safety line. It is compatible</p>			

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Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
002	06661 000 Mercury 60 ELPT 4-Stroke Motor Package Mercury 60hp ELPT 4-Stroke  with all Smith-Root Electrofishing Booms.  -Includes (1) complimentary 10925, Fish Handling glove combo  Includes: -Mercury single engine side mount control -Hydraulic Steering System 2.00 Mercury Control Cables 1.00 1886111-01 Mercury Instrument Harness 1.00 1886070 Mercury Tachometer W/Harness 1.00 Mercury Aluminum Prop 1.00 3900594 Outboard Motor Installation 1.00 3900625 Instrument Installation -6 Gallon Portable Fuel Tank	1.0000 EA	11,306.10	US\$ 11,306.10
003	10905S NS TRAILER SINGLE CUSTOM KANN 16ft 16ft Trailer, Includes 3500# Axle, LED Lights, Winch, 2in coupler, 7 pole light connector, Tongue Jack, Polyethylene Side Bunks, Bow Stop with Safety Chain, Steel Chanel construction, 14in Tires, Painted Black  Includes:	1.0000 EA	5,263.00	US\$ 5,263.00

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Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
004	12038 000 -Mounted Spare tire -Retractable Transom Tie Down Straps  Steel Channel Construction is quoted as it deters the spread of invasive species carried in Trailer tube. ELECTROFISHER SYSTEM APEX CNTRL BOX INCLUDES: #11241 MANUAL #12037 APEX CONTROL BOX #12040 FOOTSWITCH #12042 ANODE CABLE (QTY. 2) #12043 CATHODE CABLE #12044 INPUT POWER CABLE	1.0000 EA	11,975.00	US\$ 11,975.00
005	07254 000 GENERATOR HONDA EU7000iS Compatible with APEX  Smith-Root's system quoted provides an upgraded 7KW generator and generator stand for increased safety and accessibility.	1.0000 EA	4,750.00	US\$ 4,750.00
006	OPTIONS NS OPTIONS AND UPGRADES Below is a list of options and upgrades. Please contact us in the Sales department with your needs and we will be happy to update the quote to reflect any of these available options or others that you are interested in but not listed here:  -Bow Deck Storage= \$330.00 (YES)  -Transducer Mounting Bracket= \$75.00 (YES)	1.0000 EA	2,702.30	US\$ 2,702.30

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Item	Part / Rev / Description	Quantity Quoted	Unit Price	Extended Price
	-Custom Removable Livewell 36x19x22 = \$625.00 (YES)			
	-Upgraded Livewell pump, 800GPH, Installed = \$579.80 (YES)			
	-(4) High Output LED Light, 4in Round, Mounted on Bow, Switch on Console= \$812.50 (YES)			
	-Swivel Seat Base= \$40.00 (YES)			
	-Standard Gray Cushion Seat= \$140.00 (YES)			
	-GPS/Sonar Units Available, Specify Model = CUSTOMER SUPPLIED			
	-Lip and Scupper Option: \$100 (YES)			
	-Delivery to customer location in Minnetonka, MN: \$1,500 (YES)			
007	COMPETI 000 COMPETITOR DISCOUNT	1.0000 EA	-6,300.00	US\$ -6,300.00
008	08529 000 JACK TRANSOM FOR OUTBOARDS	1.0000 EA	1,564.08	US\$ 1,564.08
	Thank you,  Jake Ponce, CES Technical Sales Associate - Biologist Smith-Root, Inc. - Solutions for Aquatic Conservation jponce@smith-root.com - (360) 573-0202 x 2155 - www.smith-root.com		Freight Tax <b>Quote Total</b>	<b>US\$ 61,260.48</b> US\$ 1,500.00 <b>US\$ 62,760.48</b>

ORIGINAL

# QUOTATION

**From:**



470 FIRST AVE NW · ISANTI, MN 55040  
 sales@atstrack.com · www.atstrack.com  
 763-444-9267

**To:**

Eric Fieldseth  
 Minnehaha Creek Watershed District  
 15320 Minnetonka Blvd

Minnetonka MN 55345

EFieldseth@minnehahacreek.org

F.O.B.: Origin

TERMS: Net 30 days Federal ID Number: 41-1399189

<b>Quote Number: 100297</b>	Date: 6/22/2018	Quotations are valid for 90 days
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Line #	Model #	DESCRIPTION	QUANTITY	PRICE	AMOUNT
01	SHIPCHA	Shipping and Handling Charge	1	\$30.00	\$30.00
02	MNSALES	MN Sales Tax	1	\$0.00	\$0.00
03	F1850	Implant Transmitter	80	\$175.75	\$14,060.00
		Weight 25 gr Circuit Mortality Prog. Description			
				<b>Total \$:</b>	<b>\$14,090.00</b>

**Signature** \_\_\_\_\_