

2016 OWF Grant Report for the HFHC Outdoor Classroom Project

After reviewing many outdoor classroom initiatives, we propose to complete ours in three stages. We are proposing to complete stage one and begin stage two of the project this year with this grant.

The first stage of this project is the installation of the sun shade, and mulch and benches for the seating area. This will be followed by a professional planting plan for the wildflower and pollinator gardens that will surround the outdoor classroom and be used in lesson plans.

The basic structure of the classroom will be a semi-circle of wooden benches situated underneath a custom made sun shade that is support by five wooden posts. The benches will face a small elevated stage in the southeast corner where our educators can speak from.

Cedar mulch will be laid under the sun shade and benches to provide a consistent, heavy traffic resistant surface area that requires minimal maintenance.

We received estimates for the custom made sun shade sail, and the planting plan. Quotes are attached. The wooden benches were provided by [Hope Mill](#) in Keane, Ontario. They were built with traditional building techniques using hydro power by volunteers. A verbal quote for 10 benches was provided by Hope Mill at \$60-\$65 each. The benches were delivered on budget in August 2016. A verbal quote of \$50.00 per cubic yard of cedar mulch was provided by [Cedar Rock Distributing](#). The installation of mulch was delayed to assess how the existing grass grows under the shade sail during the fall and spring. We have determined that with the wet weather and lack of sun (by design) under the canopy, mulch will be installed.

The planting plan for the outdoor classroom has been delayed until a 10' x 10' trapper's cabin is installed in August 2017 in the outdoor classroom area that will impact the design of pathways and pollinator gardens.

The completion of stages two and three are planned for 2017 and 2018 respectively. Planned components and budget estimates for each are listed below in the project budget.

Since the installation of the outdoor classroom in August 2016, 1,364 students have used it as a learning environment. Teachers have provided positive feedback about seeing their students being taught outdoors and how it complements the conservation message of our facility.

Project budget:

HFHC Outdoor Classroom						
Revenue						
Ontario Wildlife Foundation Grant 2015						\$ 5,000.00
Ontario Wildlife Foundation Grant 2016						\$ 5,200.00
Other Potential Funding Sources						
McKesson Canada Grant 2017 - unconfirmed						\$ 25,000.00
Echo Foundation 2017 - unconfirmed						\$ 5,000.00
TBD 2017 - unconfirmed						\$ 5,700.00
Total						\$ 45,900.00
Expenses						
Stage 1 (2015/16)						
Item	Quantity	Per Unit Cost	Cost	HST	Total	
Cedar Poles (feet)	117	\$ 3.50				
Delivery and installation of Poles			\$ 4,239.24	\$ 551.10	\$ 4,790.34	
Labour for Poles	16	\$ 25.00				
Congrete (30kg bags)	15	\$ 4.49				
Stage Cedar Planks 8'	10	\$ 10.84	\$ 108.40	\$ 14.09	\$ 122.49	
Custom Shade Sails and Delivery	1		\$ 3,234.00	\$ 420.42	\$ 3,654.42	
Custom Local Wooden Benches (feet)	120	\$ 4.73	\$ 567.77	\$ 73.81	\$ 641.58	
Ground Cover - Mulch	6 cu yds	\$ 50.00	\$ 300.00	\$ 39.00	\$ 339.00	
Stage 1 Total						\$ 9,547.83
Stage 2 (2016/17)						
Planting Plan			\$ 500.00	\$ 65.00	\$ 565.00	
Rain Barrel	1		\$ 40.00	\$ 5.20	\$ 45.20	
4 Directions Triple Mix	14m	\$ 54.00	\$ 756.00	\$ 98.28	\$ 854.28	
4 Directions Heirloom Seeds	4 packs of 50	\$ 2.99	\$ 11.96	\$ 1.55	\$ 13.51	
Pollinator Garden - wildflower/shrubs	3100 square ft		\$ 6,360.00	\$ 826.80	\$ 7,186.80	
Mulch, Soil & Cardboard			\$ 3,300.00	\$ 429.00	\$ 3,729.00	
Garden Labour & Delivery			\$ 12,200.00	\$ 1,586.00	\$ 13,786.00	
Stage 2 Total						\$ 26,179.79
Stage 3 (2017/18)						
Pond	1	264gal	\$ 209.99	\$ 27.30	\$ 237.29	
Solar Pond Pump	1	135gal/h + Pannel	\$ 189.99	\$ 24.70	\$ 214.69	
Pond Labour	8	\$ 25.00	\$ 200.00	\$ 26.00	\$ 226.00	
Outdoor Speakers	1 set	\$ 89.99	\$ 89.99	\$ 11.70	\$ 101.69	
Solar Power System	1	\$ 1,395.99	\$ 1,395.99	\$ 181.48	\$ 1,577.47	
Battery Bank	4	\$ 159.99	\$ 639.96	\$ 83.19	\$ 723.15	
LCD Monitor	1		\$ 250.00	\$ 32.50	\$ 282.50	
Bluetooth Microscope	1		\$ 119.00	\$ 15.47	\$ 134.47	
iPad	1		\$ 419.00	\$ 54.47	\$ 473.47	
iPad Dock	1		\$ 20.00	\$ 2.60	\$ 22.60	
Boardwalk Planks 12'	8	\$ 16.25	\$ 130.00	\$ 16.90	\$ 146.90	
Cedar Fence Post	100	Bundle	\$ 650.00	\$ 84.50	\$ 734.50	
Gazebos	2	\$ 2,319.99	\$ 4,639.98	\$ 603.20	\$ 5,243.18	
Stage 3 Total						\$ 10,117.91
TOTAL EXPENSES						\$ 45,845.54

Figure 1. Project Budget (stages 1-3).

Stage 4 - Ongoing Maintenance		Free Labour	cost w/out free labour
May - mulch, soil purchase		n/a	\$ 1,000.00
May - planting	5 days * 8hrs @ \$25.00/hr	School Groups	\$ 1,000.00
June - weeding	4 days * 8hrs @ \$25.00/hr	School Groups	\$ 800.00
July - weeding	4 days * 8hrs @ \$25.00/hr	Community Groups	\$ 800.00
August - weeding	4 days * 8hrs @ \$25.00/hr	GO Day Camps	\$ 800.00
September - weeding	4 days * 8hrs @ \$25.00/hr	School Groups	\$ 800.00
October - weeding/closure	4 days * 8hrs @ \$25.00/hr	School Groups	\$ 800.00
Annual Total			\$ 6,000.00
With user groups helping with planting and weeding, estimated cost of ongoing maintenance is \$2500/year.			

Figure 2. Ongoing project budget.



Figure 3. Detailed outdoor classroom plan



Figure 4. Posts and Stage Installed



Figure 5. Measuring distances between posts for sun shade sail.

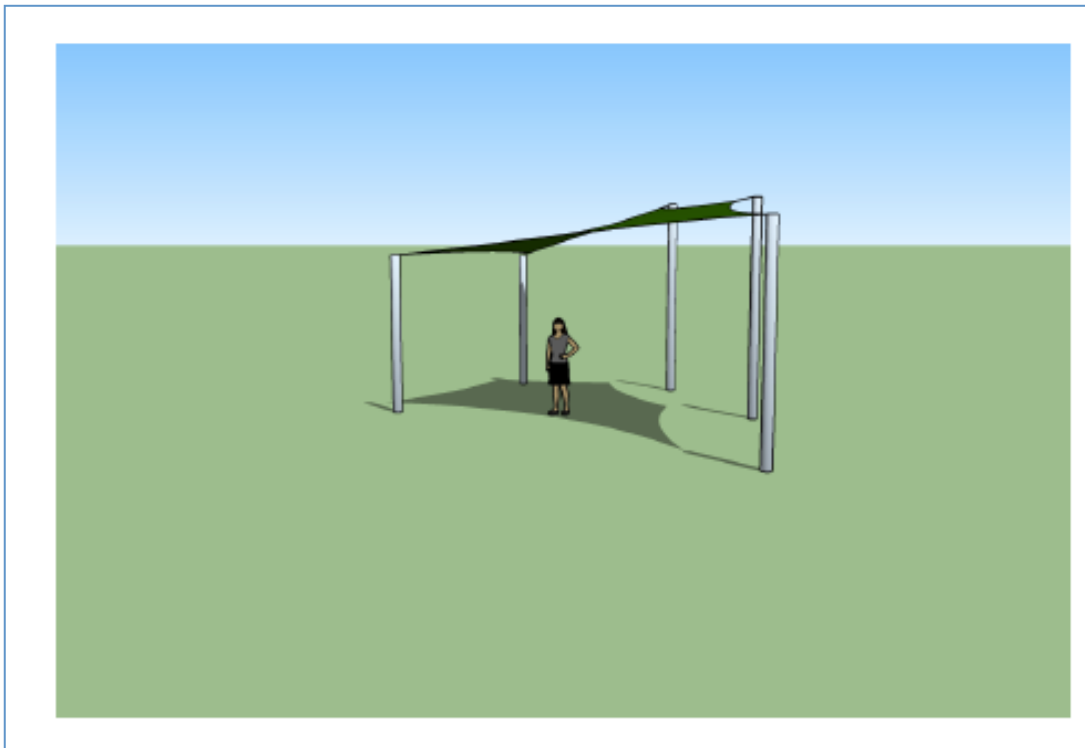


Figure 6. Mock up of sun shade sail provided by Shade Sails Canada.

Shade Sails Canada Inc
PO Box 2940
Revelstoke BC V0E 2S0
(855)899-8290
info@shadesailsCanada.com
www.shadesailsCanada.com
GST Registration No.: 873 893 515

Estimate



ADDRESS

Alex James
Mario Cortellucci Hunting and
Fishing

SHIP TO

Alex James
Mario Cortellucci Hunting and
Fishing

ESTIMATE #	DATE	
1058	17-05-2016	

SHIP VIA
Canada Post

ACTIVITY	QTY	RATE	TAX	AMOUNT
Custom Custom Shade Sail in Monotec, Colour - Green. As per Dimensions Given. Shipping TBD	1	3,234.00	HST ON	3,234.00

Thank you for allowing us to quote your project.

SUBTOTAL 3,234.00
HST (ON) @ 13% 420.42
TOTAL **CAD 3,654.42**

Figure 7. Quote for custom sun shade sail for outdoor classroom.



Sawyer and Canter Item 39 of 41

Figure 8. Hope Mill volunteers at work building wooden projects.



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OFAH

October 24 2015

Attn: Alex James

Quote #: 21450

HST #: 86246469OET001

Labour and Materials	Cost per item	Total
wildflowers 10 cm	3000 @ \$2/each	\$ 6,000.00
wildflowers 1 gallon	40 @ \$5/each	\$ 200.00
Shrubs	20 @ \$8/each	\$ 160.00
Delivery		\$ 200.00
Labour-planting		\$ 12,000.00
Mulch and soil		\$ 3,000.00
Planting plan		\$ 500.00
Cardboard		\$ 300.00

Subtotal	\$22,360.00
HST	\$2,906.80
TOTAL	\$25,266.80

Thank you for your potential business.

Figure 9. Estimate for stage two pollinator gardens.



Figure 10. One of five OFAH Summer Day Camps using the classroom in 2016. 1,364 students used this space between September 2016 and June 2017.