

Cows and Fish

Alberta Riparian Habitat Management Society



Living with Beavers – Cows and Fish Workshops Options

Cows and Fish has emphasised increased awareness about watersheds and riparian health for over 25 years. An integral part of understanding these ecosystems is living with beavers, understanding their role and impacts on the landscape. Below you will find options about our outreach and training opportunities, to help people learn about beavers and their management. Check out <http://www.cowsandfish.org> for written materials, links and partner's work.

What we offer:

All of these workshops and presentations are designed to be suitable for a variety of audiences:

landowners, government staff (municipal, provincial, federal), non-government organisations, general public.

These workshops and presentations are delivered by Cows and Fish staff except the Beaver Management Tools Implementation workshop which is currently delivered in partnership with “The Fur Bearers Association”. If other presenters are desired by the group, we can work with you on the best approach to include them in the agenda.

Overview of options:

- [Introduction to Living with Beavers](#) [Presentation, 1-2 hours, or as little as 30 min]
- [Beavers in our landscape: understanding and living with beavers](#) [Workshop, 4 hours]
- [Beavers in our landscape: understanding and living with beavers including demonstration site tour](#) [Workshop with outdoor Tour; 5-8 hours]
- [Beaver Management Tools Implementation Workshop](#) [1-2 days]
- [Other options include webinars or special sessions - contact us for more info.](#)

Detailed Description on Each Option:

Title: [Introduction to Living with Beavers \[Presentation\]](#)

Overview: Beaver ecology, benefits and challenges of beaver on the landscape and beaver management are all topics potentially included in this presentation. Time for questions and discussion with the audience is included. The level of detail provided on each of the topical areas is dependent upon overall time; including the full 2 hours will result in a much broader and deeper discussion than a shorter presentation, which will cover only one area well, or a couple areas in part.

Setting: Indoor

Length: As little as 30 min (very basic) but better is: 1 - 2 hours including presentation and discussion

Topics:

- **Beaver basics** - ecology, natural history, beaver role in watersheds
- **Beaver challenges** - management, options and alternatives
- **Beaver case studies** – limited introduction to how others are dealing and living with beavers

An small part of the presentation will be discussion about challenges, concerns, and values.

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Cost Estimate: \$350 - \$1500

Cost includes Cows and Fish staff time and expenses for planning, preparation, travel and delivery of the workshop.

Cost varies widely, depending on travel time and expenses to reach the workshop location.

Cost does not include Cows and Fish staff time or expenses for logistics such as finding/booking a venue, taking registrations, providing refreshments and snacks and/or a meal. We ask that the partner organisation looks after these aspects.

Title: [Beavers in our landscape: understanding and living with beavers](#) [Workshop]

Overview: Beaver ecology, benefits and challenges of beaver on the landscape and beaver management are all topics included in this part-day workshop. An integral part of the workshop will be discussion about challenges, concerns, and values.

Setting: Indoor

Length: 4 hours including presentations, breaks and discussion

Topics:

- **Beaver basics** - ecology, natural history, beaver role in watersheds
- **Beaver challenges** - management, options and alternatives
- **Beaver case studies** - how others are dealing and living with beavers
- **Beaver banter** - round table discussion, question & answer period
- **Beaver next steps** - awareness messages, reintroductions, and future management

Cost Estimate: \$500 - \$2000

Cost includes Cows and Fish staff time and expenses for planning, travel and delivery of the workshop. Most often, due to the volume of content and length of the workshop, 2 staff are involved.

Cost varies depending on travel time and expenses to the workshop location.

Cost does not include Cows and Fish staff time or expenses for logistics such as finding/booking a venue, taking registrations, providing refreshments and snacks and/or a meal. We ask that the partner organisation looks after these aspects.

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Title: Beavers in our landscape: understanding and living with beavers including demonstration site tour

[Workshop with outdoor Tour]

Overview: Beaver ecology, benefits and challenges of beaver on the landscape and beaver management are all topics included in this part-day workshop. An integral part of the workshop will be discussion about challenges, concerns, and values. We will also work with you to find suitable sites to visit and discuss beavers and their management in a field setting as part of this workshop.

Setting: Indoor and Outdoor

Length: 5-8 hours including presentations, field site(s) visit, breaks and discussion

Topics:

- **Beaver basics** - ecology, natural history, beaver role in watersheds
- **Beaver challenges** - management, options and alternatives
- **Beaver case studies** - how others are dealing and living with beavers
- **Beaver banter** - round table discussion, question & answer period
- **Beaver next steps** - awareness messages, reintroductions, and future management
- **Beaver management demonstration site tour** – field visits of various sites in the local area to showcase beaver activity, management issues and/or successes, management tools that have been implemented. *Typically 1-4 sites can be visited in a as many hours depending on travel time and logistics of getting to and from the site(s)*

An integral part of the workshop will be discussion about challenges, concerns, and values.

Cost Estimate: \$500 - \$2500

Cost includes Cows and Fish staff time and expenses for planning, preparation, travel and delivery of the workshop. Most often, due to the volume of content and length of the workshop, 2 staff are involved.

Cost varies depending on travel time and expenses to the workshop location.

Cost does not include Cows and Fish staff time or expenses for logistics such as finding/booking a venue, taking registrations, providing refreshments and snacks and/or a meal. We ask that the partner organisation looks after these aspects. It would include some time providing input on field sites (at the lower end of the cost) or involvement in visiting and selecting field sites (at the higher end of the cost).

Cost can also vary depending on Cows and Fish funding availability (i.e. we may have funding to cover Cows and Fish staff time and/or expenses for planning, travel and/or delivery of the workshop).

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Title: Beaver Management Tools Implementation Workshop

Overview: In partnership with The Fur Bearers Association, this workshop involves hands-on learning, constructing and installing 1-3 beaver management tools such as pond levelers, exclusion fences, pond leveler-exclusion fence combos, etc. Representatives from the Fur Bearers (and/or Cows and Fish) will work with you to determine sites and the best options for your situation. By the end of the workshop, 1-3 beaver management tools will be installed in your local area. Because of the limited availability of the Fur Bearers, this can only be offered periodically.

Setting: Outdoor

Length: 8-12 hours including breaks and discussion

Topics:

- **Selecting the right management option/tools** – based on the site(s) of interest what's the best option
- **Materials and tools** – what you need for your project (some of this will also be determined ahead of time as the materials and tools will need to be purchased)
- **Building your project** – hands on construction of the management tool(s) suitable to the site
- **Installing your project** – hands on installation of the management tool(s) suitable to the site
- **Maintenance and Monitoring** – discussion of maintenance needs appropriate to the tool(s) selected and the importance of monitoring

An integral part of the workshop will be discussion about challenges, successful installation techniques and considerations, and troubleshooting.

Cost Estimate: \$2500 - \$6000 Implementation material cost (eg. fencing, pond leveller) are extra, but would be \$500-\$1,500 per site.

Cost includes The Fur Bearer staff time and expenses for planning, preparation, travel and delivery of the workshop as well as input on field site locations.

Cost also includes Cows and Fish staff time and expenses for assistance with planning and preparation for the workshop, as well as help in delivering it and providing input on field site locations.

Cost varies depending on travel time and expenses to the workshop location. Cost can also vary depending on availability of funding (i.e. The Fur Bearers, or Cows and Fish may have funding to cover our staff time and/or expenses for planning, travel and/or delivery of the workshop).

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Cost does not include time or expenses for more than limited input on logistics such as finding/booking a venue or field sites, taking registrations, providing refreshments and snacks and/or a meal. We generally ask that the partner organisation lead many of these aspects, but if you want us to be more involved, that is an option.

Budget Basics:

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Staff Time \$320/day/person [based on 8 hour day] [workshops generally require 2 staff at a minimum to run] Number of hours will vary based on type of workshop requested and partner contributions to planning, registration and other logistics (eg. venue rental, food etc)

See below for details on various aspects and costs components. Whenever possible, Cows and Fish tries to cover some of the cost of our awareness and education work, but our ability to do so is funding dependent. Similarly, Fur Bearers costs are estimated at similar rates but likewise are dependent upon their current funding and ability to cover some costs in-kind.

Living with Beavers Workshop Budget Basics Details Table		Cost information as of 2016-17
Item	Cost	Cost covered by
Planning (poster, media notices, etc)	Will vary depending on local wishes, but minimum 2hrs - \$80 and has gone as high as 10 -12 hrs (newspaper articles, formal media releases, local poster, etc)	Input needed from Partner Organisation; Cows and Fish costs to be covered by one or both organisations, depending upon funding availability. Posting notices locally (eg. online, newspaper) is done by local Partner Organisation
Registration	5-15 hrs, depending on interest and numbers	Generally done by local Partner Organisation
Preparing / Customising presentation	2-6 hours x 2 people = \$160 - \$640	Cows and Fish costs to be covered by one or both the organisations, depending upon funding availability and discussion
Time - setup & delivery of workshop	6 – 16 hours x 2 people = \$480 - \$640 [varies with type of workshop requested] <i>For the Outdoor Installation workshop also consider need for 16 hours x 1 person (Fur Bearers) = \$900</i>	Cows and Fish costs to be covered by one or both the organisations, depending upon funding availability and discussion. Local logistics

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Time - travel	will vary pending location	generally provided by local Partner Organisation Costs for Furbearers may vary.
	x hours x \$40/hr	
Expenses - travel	will vary pending location	
	# km x \$0.50/km or Vehicle Rental & Fuel, approx. \$100-\$350 or Flight, vehicle rental and fuel, approx.. \$300-\$1000 [will vary based on flights and rental rates at time of booking] <i>*all efforts are made to use the most cost effective travel method</i>	
Expenses - meals/accommodation	will vary pending location	
	# supper x \$18	
	# lunch x \$11	
	# breakfast x \$9	
	# nights x approx. \$150/night, but based on specific receipt	
	# nights x 5 per diem	
Hall/Facility Rental	will vary pending location	Partner Organisation
	\$0 - \$250 estimated	
Hospitality - basic refreshments & snacks	can vary pending location, number of attendees and what's offered	Partner Organisation
	estimate \$50-\$200	
Lunch or Dinner - meal	can vary pending location, number of attendees and what's offered	Partner Organisation or registrants may be asked to cover via registration fee
	estimate \$10-20/person and up	