

“MANAGING” TO LIVE WITH BEAVERS

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Smoky Lake County

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Background and Introduction

- Hi I'm Trevor Cameron, owner of Cameron Wildlife Solutions & Smoky Lake County Trapper.
- Why am I here?
 - While beavers are beneficial for creating wetlands and storing water, they become an issue when they affect county infrastructure or flood out seeded crop land.
- How can we deal with these problems?
- Liabilities and responsibilities

What Can We Do?

- Methods for resolving/ preventing issues include:
 - Pond levelers
 - Exclusion Fencing
 - Trapping/Shooting
 - Blasting/ Mechanical Removal
 - Protection fencing
 - **Brushing Creeks**

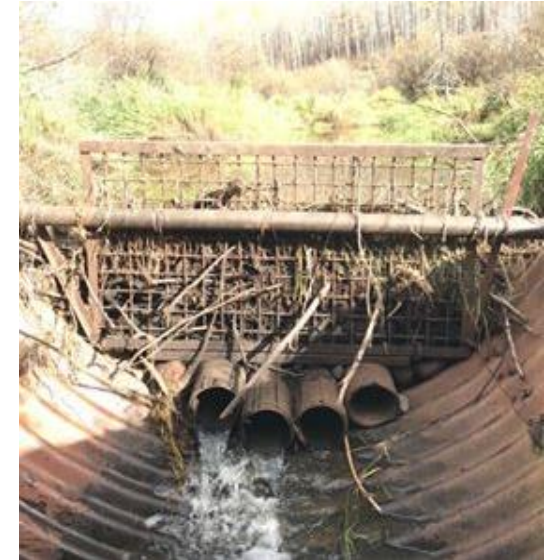
Integrated Management Plan

- An Integrated Management Plan is a multi-tier system that utilizes a number of solutions to resolve a broad variety of issues in the most efficient way.



Pond Levelers

There are a few different styles of Pond leveler out there.



Important To Note – Pond Levelers

- Although pond levelers can be extremely successful in most situations they are not a stand alone solution and will eventually fail.
- Every Installation is a custom job!
- Proper installation is a must. Do it once, do it right!
- Once beavers have figured out your leveler, you are done.
- Monitoring of levelers is required to avoid and detect problems before they fail completely.

Pond levelers Continued

Before



After



Why?



Pond levelers Continued

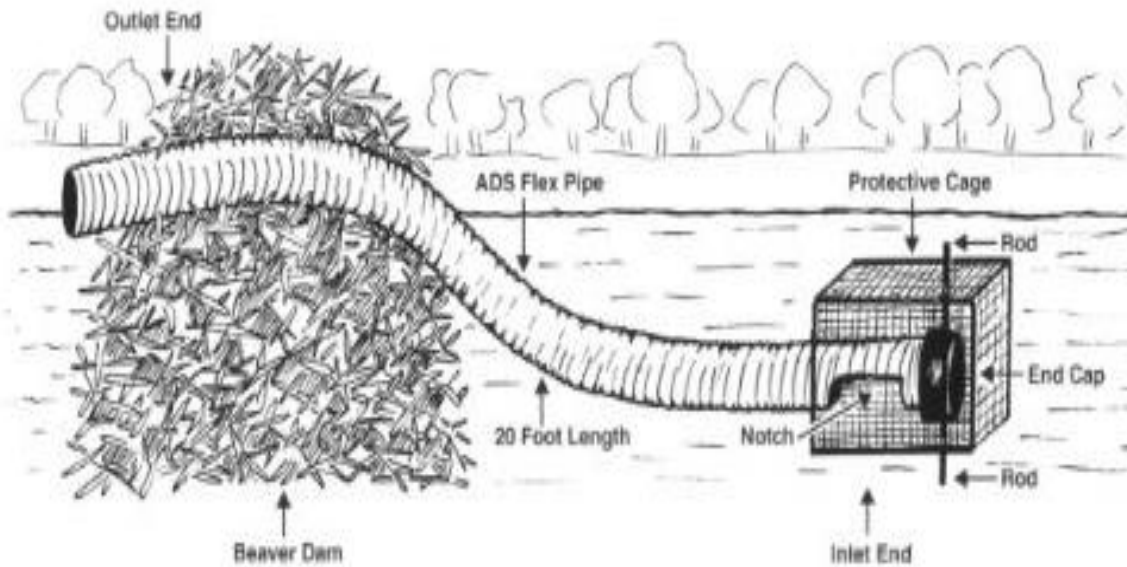


From Start To Finish

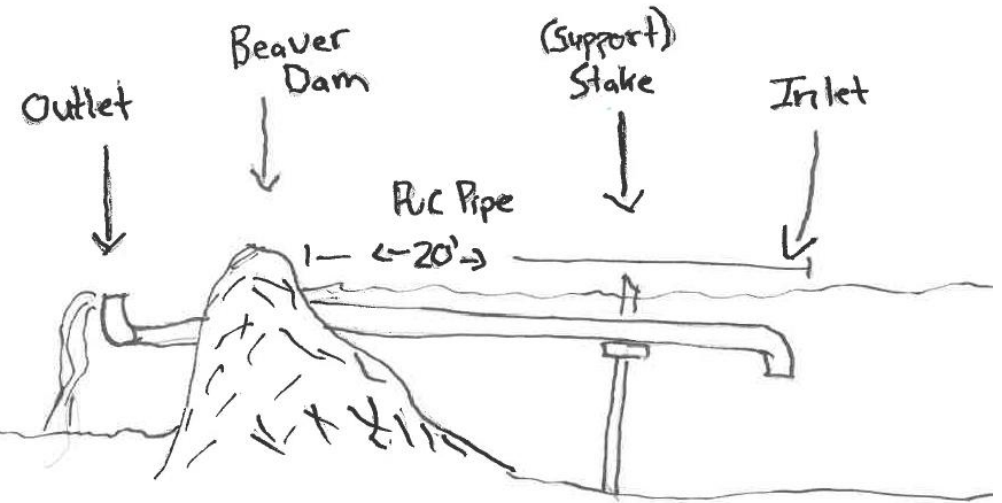


The different pond leveler styles

Flex Pipe Installation



Gizmo Pond Leveler



Pros & Cons

- Flex Pipe Style
 - Once set must be excavated to change water level
 - Heavy/bulky material makes it difficult for one or two people to set
 - Trailer required to transport materials
 - Cost is higher typically
 - **Can be overkill on smaller creeks and ponds**
 - Visible to the public
 - Self flushing
 - **Difficult to fix when plugged**
- Gizmo Style
 - Once set can be adjusted by changing discharge height
 - Light materials make it easy for one person to install
 - Materials can easily fit in 8' truck box
 - Cost is lower typically
 - **Not usually suitable for larger creeks and rivers**
 - Can be made very hidden to avoid public detection
 - **Has a harder time flushing itself when plugged**
 - Easy to work with to fix issues

Exclusion Fencing



Important To Note – Exclusion Fence

- The whole point is to keep the beavers out of the culvert.
- Exclusion fencing allows you to deter beavers from damming, reduce time clearing dams at culverts, and save the culvert from being plugged inside.
- Jail bar grates – no more than **4.5" between rungs**, at least **6" on either side of culvert**.
- Recommend making a lifting hook for easy removal by truck or equipment

Trapping & Shooting

Although not always long term, trapping is an necessary and effective means of resolving most issues.



Employers Risks Associated

- Safety risk of employee
 - Risk of slip/ fall
 - Drowning
 - Puncture or impalement on beaver chew
 - Hypothermia
 - Wildlife attack
 - Caught in trap
 - Pulled muscles from lifting, pushing, pulling
 - Lighting strike
 - Working alone

LIMITATIONS

- Things to be aware of include
 - Are there pets that can be caught?
 - Is there livestock that can be caught?
 - Are there children that can be caught?
 - Is this on a registered trapline? (do you have appropriate permits)
 - Are nearby residents opposed to trapping near their land?
 - Are easements up to date? (has land title changed, people still allowing)
 - What is the risk of incidental catches? (muskrat, mink , otter, Fish, ducks, geese)

Blasting & Mechanical Dam Removal

A costly expense and a temporary fix.



Important To Note - Blasting

- Damages to property as a result of blasting are the legal responsibility of the blaster (and or employer)
 - Livestock breaking fences
 - Injury to livestock/pets
 - Damage to buildings/vehicles and other property from debris
 - Flooding of downstream crops/ property
 - Damage to pipelines and other affected utilities
 - Damage to environment
 - **Public perception**

Protection Fencing

Important!

- Fence must be secured to ground
- Fence must be 6" or more from tree
- Fence must be minimum 4' tall
- Fence must be adjusted yearly
- Not a permanent solution



Brushing Creeks

- It is never a good idea to brush creeks, this practice is not recommended.



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Trapping Responsibilities

Legal Obligation

- AIHTS Certifications
- Easements and Access to Land


Humane Obligation



- Best Trapping Practices
- **Treat Every Animal With Respect**

Fur Institute Of Canada





← → ↻ fur.ca/certified-traps/ ☆ 🌙 ☰

CERTIFIED TRAPS INFO [CLICK HERE](#) | INFOS SUR LES PIÈGES CERTIFIÉS [CLIQUEZ ICI](#) ✕


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AIHTS Certified Traps – Information

			
Certified Trap List FIC August 1 2019 ENG	Identification Sheets AIHTS traps, March 2019, live capture traps	Identification Sheets AIHTS traps, March 2019, killing traps	Best Trapping Practices July 2018

fur-dev.designpreview.ca/wp-content/uploads/2015/10/IDsheets_killingtraps_ENG.pdf

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AIHTS

- Agreement on International Humane Trapping Standards is Implemented by the Canadian Fur Institute.
- Mandates the legal standard set for humane trapping in Canada.

Certified Traps – AIHTS Implementation in Canada Updated August 1 2019

(New additions to this list are highlighted and marked in Bold)

The Canadian Wildlife Directors, Competent Authorities for implementation of the Agreement on International Humane Trapping Standards (AIHTS) have approved a 2-phase process for implementing the AIHTS in Canada. The following list shows the two phases for regulating species-specific traps: (1) the **certified traps** currently regulated for specific species; (2) **certified traps** that are not regulated at this time.

Check with your provincial or territorial government to confirm regulations related to trap uses applicable in your trapping area.

PHASE 1 - KILLING TRAPS - Certified traps currently regulated for use per species

SPECIES	Traps	Traps	Traps	Traps
BEAVER	-Bélisle Classique 330 -Bélisle Super X 280 -Bélisle Super X 330 -B.M.I. 280 Body Gripper -B.M.I. 330 Body Gripper -B.M.I. BT 300	-Bridger 330 -Duke 280 -Duke 330 -LDL C280 -LDL C280 Magnum -LDL C330	-LDL C330 Magnum -Rudy 280 -Rudy 330 -Sauvageau 1000-11F -Sauvageau 2001-8 -Sauvageau 2001-11	-Sauvageau 2001-12 -Species-Specific 330 Dislocator Half Mag -Species-Specific 440 Dislocator Half Mag -Woodstream Oneida Victor Conibear 280 -Woodstream Oneida Victor Conibear 330
CANADA LYNX and BOBCAT	-Bélisle Super X 280 -Bélisle Super X 330 -B.M.I 220 Body Gripper -B.M.I 280 Body Gripper -B.M.I 220 Magnum Body Gripper	-B.M.I 280 Magnum Body Gripper -Bridger 220 -Bridger 280 Mag. Bodygripper -Duke 280	-LDL C220 -LDL C220 Magnum -LDL C280 Magnum -LDL C330 -LDL C330 Magnum	-Rudy 330 -Sauvageau 2001-8 -Sauvageau 2001-11 -Woodstream Oneida Victor Conibear 330
FISHER	-Bélisle Super X 120 -Bélisle Super X 160 -Bélisle Super X 220	-Koro no 2 -LDL C160 Magnum -LDL C220 Magnum	-Rudy 120 Magnum -Rudy 160 Plus -Rudy 220 Plus -Sauvageau 2001-5	-Sauvageau 2001-6 -Sauvageau 2001-7 -Sauvageau 2001-8
MARTEN <i>Martes americana</i> <i>Martes martes</i> <i>Martes zibellina</i>	-Bélisle Super X 120 -Bélisle Super X 160 -B.M.I. 126 Magnum Body Gripper	-LDL B120 Magnum -LDL C160 Magnum -Koro no 1 -Koro no 2	-Northwoods 155 -Oneida Victor Conibear 120-3 MAGNUM Stainless Steel -Rudy 120 Magnum	-Rudy 160 Plus -Sauvageau C120 Magnum -Sauvageau 2001-5 -Sauvageau 2001-6 -KP120 (Russia)
MUSKRAT On Land	-Bélisle Super X 110 -Bélisle Super X 120 -B.M.I. 126 Body Gripper	-Duke 120 -FMB 110 SS (Holland)	-Oneida Victor Conibear 110-3 Stainless Steel	-Rudy 110 -Rudy 120

COYOTE	-Bélisle Footsnare #6 -Bélisle Sélécliff -Duke No 3 Rubber Jaws with an anchoring swivel centre mounted on the base plate -Oneida Victor #1.5 Soft Catch equipped with 2 coil spring -Oneida Victor #1.5 Soft Catch equipped with 4 coil spring -Oneida Victor 1.75 equipped with 3/16-inch offset, double rounded steel jaw laminations (3/16-inch on top side of jaw and 1/4-inch on underside of jaws), with a 4 coil springs -Oneida Victor #3 Soft Catch equipped with 2 coil spring -Oneida Victor #3 Soft Catch equipped with 4 coil springs	-Oneida Victor #3 equipped with 3/16-inch offset, double rounded steel jaw laminations (3/16-inch on top side of jaw and 1/4-inch on underside of jaws), with 2 coil springs -Oneida Victor #3 equipped with 3/16-inch offset, double rounded steel jaw laminations (3/16-inch on top side of jaw and 1/4-inch on underside of jaws), with 4 coil springs. -Bridger #3 equipped with 5/16-inch offset, double rounded steel jaw laminations (3/16-inch on top side of jaw and 1/4-inch on underside of jaws), with 4 coil springs and an anchoring swivel centre mounted on a base plate. -MB 550 Rubber Jaws equipped with 4 coil springs
BEAVER Cage traps	-Comstock 12 X 18 X 39 Swin Through Beaver Cage -Breathe Easy Live Beaver trap -Ezee Set Live Beaver Trap	-Hancock Live Beaver Trap -Koro "Klam" Live Beaver Trap
WOLF	-Bridger Alaskan #5 Offset and Laminated Jaws -Bridger Alaskan #5 Rubber Jaws -Bridger Brawn no 9 Rubber Jaws -MB 750 Alaskan OS (3/8")	-Oneida Victor #3 Soft Catch equipped with 4 coil springs, a minimum 8mm thick base plate and an anchoring swivel mounted on this base plate -Rudy Red Wolf 4 1/2
RACCOON Cage and box traps	-Ramconet DURA-POLY Box Trap -Havahart Cage Trap 1079 -Havahart Cage Trap 1081 -Havahart Cage Trap 1085 -Tomahawk Cage Trap 108 -Tomahawk Cage Trap 108.1 -Tomahawk Cage Trap 108.5 -Tomahawk Cage Trap 108F -Tomahawk Cage Trap 108SS -Tomahawk Cage Trap 108.2SS	-Tomahawk Cage Trap 1010 -Tomahawk Cage Trap 1010F -Tomahawk Cage Trap 1010SS -Tomahawk Cage Trap 1010SS-F -Tomahawk Cage Trap 608 -Tomahawk Cage Trap 608.1 -Tomahawk Cage Trap 608.5 -Tomahawk Cage Trap 608F -Tomahawk Cage Trap 608SS -Tomahawk Cage Trap 608.2SS -Tomahawk Cage Trap 6010 -Tomahawk Cage Trap 6010F -Tomahawk Cage Trap 6010SS
RACCOON <i>Note 1</i>	-Duffer -Bridger T3 -Egg Trap	-Lil' Grizz Get'z -Duke DP Coon Trap

Note 1: The exclusive use of these certified traps is currently mandatory only in Ontario, Québec, New Brunswick

Identifying Your Traps



Best Trapping Practices

Best trapping practices have been improved and modified thoroughly over the last decade and are based upon findings of trappers, researchers, biologists and government officials.

Although these standards are well studied, they will continue to be updated as new traps and techniques are tested.



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"semi-submerged"

Bank hole

330 frame

280 frame

280 and 330 frame

Lure Set "On land"

"On land" also

Double* ✓ ✓ ✓ ✓

* Any combination of thorax ④ and strike location ① or ② or ③.

② Atlanto occipital (neck base)
③ Neck
④ Thorax
① Head

These specifications only apply to killing traps for this species. For a list of certified traps, see:
fur.ca/certified-traps/
mfp.gov.bc.ca/english/publications/online/wildlife/trapping-regulations/devices/aihts.asp

Update: July 1st, 2018

FTGO
Fédération des Trappeurs

Questions?

