Enhancing and Restoring Local Fish Habitat

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Your Lakes. Your Rivers. Your Future

watersheds.ca



- Watersheds Canada
- Examples & steps of successful fish habitat projects
- Tools & resources for your community fish habitat projects





- Located in Perth, Ontario
- Federally incorporated, non-profit organization
- Registered Canadian charity
- Providing programs in communities across Canada since 2002.
- Engage and help shoreline owners enhance and protect the health of lakes and rivers.

- Many threats to freshwater fish
- Focus on maintaining, enhancing and restoring physical habitats



What is the Fish Habitat Enhancement Toolkit?

- Easy to follow step-by-step procedures for planning and implementing a fish habitat project in Ontario
- Videos demonstrating each type of project
- Created for community organizations, lake associations, fish & game clubs

watersheds.ca/our-work/habitat-programs/fish-toolkit/





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Each protocol provides you with detailed written guidelines

 Plus a video demonstrating each project type

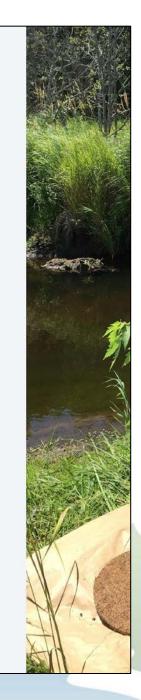




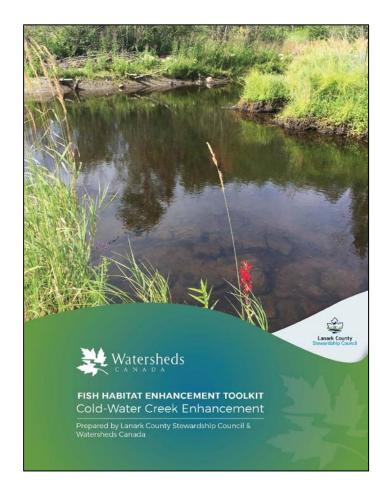
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2 | Fish Habitat Enhancement Toolkit: Cold-Water Creek Enhancement



Cold-Water Creek Enhancement



- Creek that is fed by groundwater
- Flow during dry periods
- Remain cold all year <19°C
- Decline in Ontario
- Brook trout habitat



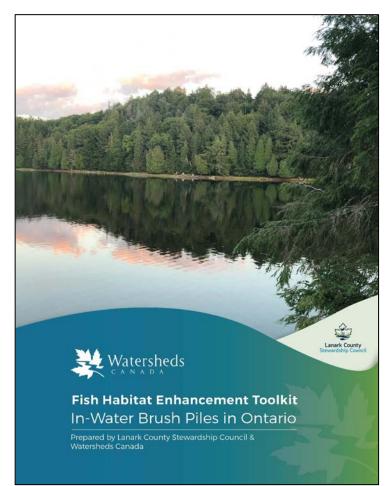




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In-Water Brush Piles (Woody Debris)



- Many terms used for inwater structures - Woody debris, brush pile, brush bundle
- Provides habitat, food source, shaded areas to rest, spawn and escape predators
- Improves water quality by reducing suspended sediments



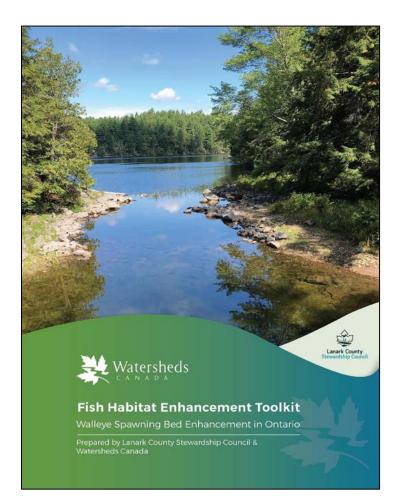


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Walleye Spawning Bed Enhancement



- Walleye spawning beds may need to be enhanced due to the deposit of sediment or algae on the rocks
- Or due to the loss of appropriate rock from high water levels or ice movement
- Walleye are known for returning to historic spawning beds
- Beds can be enhanced in the fall or the winter (depending on location) by adding appropriate sized, washed rock





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February - adding rock on the ice



Trout Spawning Bed Enhancement



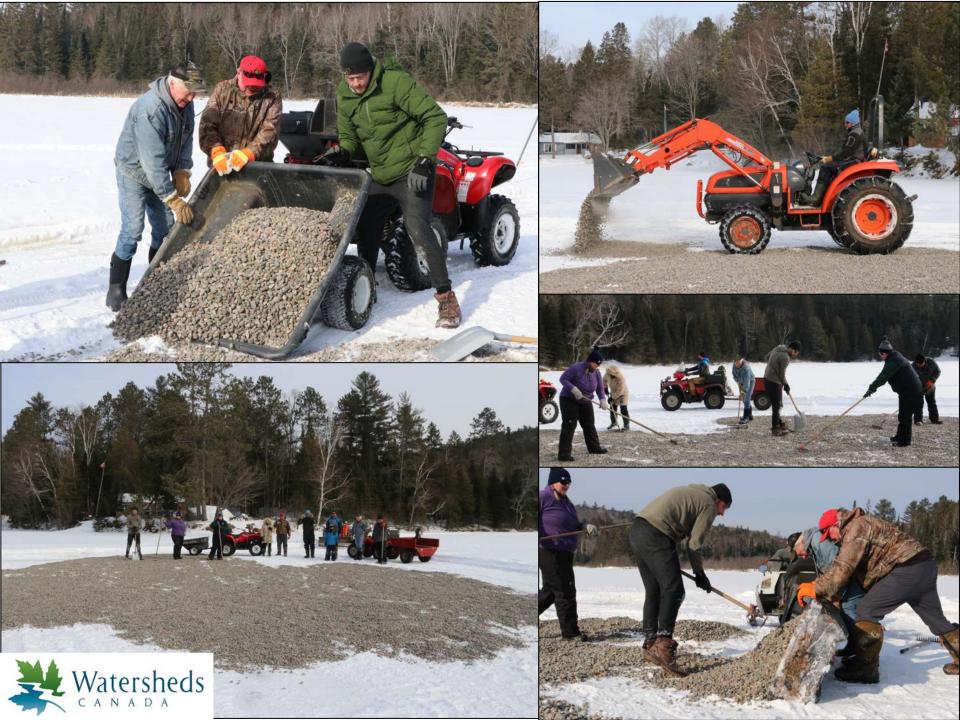


- Trout spawning beds may need to be enhanced due to the deposit of sediment or algae on the rocks
- Or due to the loss of appropriate rock from high water levels or ice movement
- Trout are known for returning to historic spawning beds
- Beds can be enhanced in the fall before September 30th or the winter (depending on location) by adding appropriate sized, washed stone

Washing Trout Spawning Bed

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BEFORE

AFTER





Videos

- Each protocol has an accompanying video created by Pinegrove Productions
- They demonstrate each type of project
- Available on both the Watersheds Canada website and YouTube Channel

https://watersheds.ca/our-work/habitat-programs/fish-toolkit/





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Thank you!

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