

# Training Workshop on the Conservation and Protection of Fish and Fish Habitat

November 5, 6 and 7, 2019

**Odanak Community Hall**  
**58, Waban-Aki Street**  
**Odanak (Quebec) J0G 1H0**

## Objectives

- Gain a basic theoretical understanding of aquatic ecology and fish biology, as well as the regulatory context for the protection of fish and fish habitat;
- Master the techniques for the implementation of fish habitat restoration measures in fresh water;
- Be able to monitor, maintain and assess habitat restoration projects in fresh water.

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## Program

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IDDPNQL



FNQLSDI

## Day 1: November 5, 2019

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8:15 am – 9:00 am Shuttle: Montfort Nicolet Hotel → Odanak Community Hall

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9:00 am – 9:15 am Opening ceremony

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9:15 am – 12:00 pm **Restoration Theory**

1. Introduction to the workshop
  - a. Intro of presenters
  - b. Objectives
  - c. Participant introduction & expectations
2. Aquatic Ecology/Hydrology Basics
  - a. Introduction to basic terms and concepts
3. Fish Biology overview for four target species
  - a. Walleye
  - b. Brook Trout
  - c. Small mouth bass
  - d. Lake Trout
4. Fish population dynamics and management background
5. What is restoration? Why do we do it?
  - a. Examples of types of restoration projects

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12:00 pm – 1:00 pm Lunch

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1:00 pm – 4:30 pm **Planning a Restoration Project**

1. Site assessment objectives and process
  - a. Creating a restoration plan
2. Government session
  - a. Roles and responsibilities of MFFP and DFO
  - b. Request for authorization for a restoration project
  - c. Compensation for loss of fish habitat
  - d. Collaboration and funding opportunities

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4:45 pm – 5:30 pm End of Day 1, Shuttle: Odanak Community Hall → Hall Montfort Nicolet Hotel

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## Day 2: November 6, 2019

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8:15 am – 9:00 am Shuttle: Montfort Nicolet Hotel → Odanak Community Hall

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9:00 am – 12:00 pm **Applying the Theory – Group Case Studies**

1. Presentation of case studies based on actual restoration projects
  - a. Groups will apply their understanding of the theory from Day 1 to do a mock assessment and restoration plan

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12:00 pm – 1:00 pm Lunch

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1:00 pm – 4:00 pm **Applying the Theory – Group Case Studies (continued)**

1. Presentation of the actual restoration work that was completed in each of these case studies

**Monitoring Restoration Projects**

1. Creating a monitoring plan
2. Introduction to the equipment that can be used in the assessment and monitoring phases.
3. Hands on activities

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4:15 pm – 5:00 pm End of Day 2, Shuttle: Odanak Community Hall → Hall Montfort Nicolet Hotel

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## Day 3: November 7, 2019

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8:15 am – 9:00 am Shuttle: Montfort Nicolet Hotel → Odanak Community Hall

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9:00 am – 12:00 pm **Field Trip – Site Assessment Protocol in Practice**

1. Introduction to Canadian Aquatic Biomonitoring Network (CABIN)
2. Three groups to rotate between stations
  - a. Benthic Macroinvertebrates sampling
  - b. Water Quality sampling
  - c. Channel Measurements

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12:00 pm – 1:00 pm Lunch

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1:00 pm – 4:00 pm **Field Trip**

1. Development realized in Odanak: Bureau environnement et terre d'Odanak to present on what the issue was, what was done and observations of the effect on fish population after completion
2. Practice using monitoring equipment to assess various types of fish habitat
3. Workshop Wrap Up & Certificate presentation

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4:15 pm – 5:00 pm End of Day 3, Shuttle: Odanak Community Hall → Hall Montfort Nicolet Hotel

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