

## **McGill Fish & Wildlife Management Professional Development Training Annual Project Report – 2022/23 FY**

**Project Leader:** Natasha Louttit, Wildlife Liaison Officer, Cree Trappers Association (Eeyou Marine Region), 158 Opinaca Rd., Eastmain, QC J0M 1W0

### **Project Summary:**

This professional development training is aimed at community fish and wildlife management for the CTA-EMR department to enhance our scientific competencies related to local fish, wildlife and environmental research over the course of 5 Modules:

1. Principles of Evolution and Ecology
2. Principles and methods in Fish & Wildlife Management
3. Data & the Scientific method
4. Fish & Wildlife Science in the Eeyou Marine Region
5. Understanding Academia and Communicating Science

### **Project objectives:**

Gain familiarity and fluency in the concepts, conventions and applications of scientific research in Eeyou Istchee. To understand the ecological and evolutionary principles of biology, populations, evolutions and variables of our local environments. Manage, analyse, interpret and communicate scientific data, as well as the ethics and protection of intellectual property.

### **Materials and Methods:**

A series of lectures over 5 modules included theory, guest speakers, class sit-in sessions, guided tours of various departments at McGill such as the Redpath Museum, Library, Deans Hall, etc. All theory and lectures led by Murray Humphries, Associate Professor of Wildlife Biology and Director of Centre for Indigenous Peoples Nutrition and Environment (CINE) and Gwyneth Ann MacMillan, PHD, Post-Doctoral researcher, McGill for the Northern Wildlife Knowledges Lab. We also met a host of other leading researchers and executive staff at the university.

Assignments and evaluations were provided online via: CINE MyCourses website. Power point presentations, lecture notes, assignments and module quiz evaluations were made available to each participant on our dashboard. We used this online method to complete and submit our work.

### **Attendance record:**

100%

Sanford Diamond, George Natawapineskum; John Lameboy, Natasha Louttit, Derek Okimaw;

Change of employee, Whapmagoostui: Roy Mamianskum ended January 2021. New Participant – Robert Fireman, has completed Modules 1-5 online assignments since September 2022.

### **Financial Statement:**

Please see attached Financial GL



Faculty of Agricultural  
and Environmental Sciences

Faculté des sciences de  
l'agriculture et de l'environnement

McGill University  
Macdonald Campus

Université McGill  
Campus Macdonald

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Department of Natural  
Resource Sciences

Département des sciences  
des ressources naturelles

21,111 Lakeshore  
Ste-Anne-de-Bellevue  
Quebec, Canada  
H9X 3V9

March 27, 2023

To the Apatisiwin Skills Development (ASD) Programme,

We are pleased to confirm that we have completed all of the planned modules (Modules 1 to 5) of the Professional Development Training Program in Fish & Wildlife Sciences at McGill University with the CTA- Eeyou Marine Region Local Officers. For the final (5<sup>th</sup>) module, the course participants were Officers John Lameboy, George Natawapineskum, Sanford Diamond, Robert Fireman and Derek Okimaw, as well as Natasha Louttit, Eeyou Marine Region Wildlife Liaison Officer.

Course Schedule - Completed

*Module 1 – February 11 to 14, 2020 – In-person at McGill University, Montreal*

*Module 2 – March 6 to 9, 2020 – In-person in Val d'Or*

*Module 3 & 4 – March 14 to 18, 2022 – Online Modules*

*Module 5 – February 27 to March 3, 2023 – In-person at McGill U., Montreal*

We are happy to have successfully completed the Training Program with the Officers and we greatly appreciated the opportunity to organize this program.

Sincerely,

A handwritten signature in blue ink that reads "Murray M. Humphries".

Murray M. Humphries

Associate Professor and Director of Center for Indigenous People's Nutrition and Environment

E-mail: [murray.humphries@mcgill.ca](mailto:murray.humphries@mcgill.ca)

Phone: (514) 398-7885



McGill



Professional Development  
Training Program  
Fish & Wildlife Science



## McGill University Professional Development Training Program in Fish & Wildlife Sciences

Description: This training program consists of a series of training workshops targeted at community fish, wildlife, and environmental professionals with lived experience on the land and inter-generational local knowledge, seeking to enhance their scientific competencies related to local fish, wildlife, and environmental research.

Outcomes: This program is designed to enable community-based stewards, land managers, and land users to:

- Gain familiarity and fluency in the concepts, conventions, and applications of scientific research, especially related to fish and wildlife science.
- Understand the ecological and evolutionary principles underlying wildlife management policies and study designs
- Identify, understand, and communicate the scientific research that is conducted on local fish and wildlife populations and the local environment.
- Manage, analyse, interpret, and communicate scientific data
- Understand research ethics, how to protect intellectual property, and the professional obligations and worldview of scientists.
- Become more adept at two-eyed seeing – *the concept introduced by Mi'kmaw Elder Albert Marshall in 2004 as Etuaptmumk, the ability to see from one eye with the strengths of Indigenous knowledges and ways of knowing, and from the other eye with the strengths of Western knowledges and ways of knowing* – learning to use both these eyes together, the gift of multiple perspective, for the benefit of all.

## Modules

**Module 1:** Principles of Evolution & Ecology – February 11-13, 2020, McGill University

**Module 2:** Fish & Wildlife Populations: Monitoring, Modelling, & Conservation – March 7-9, 2020, Val D'Or

*COVID DELAY*

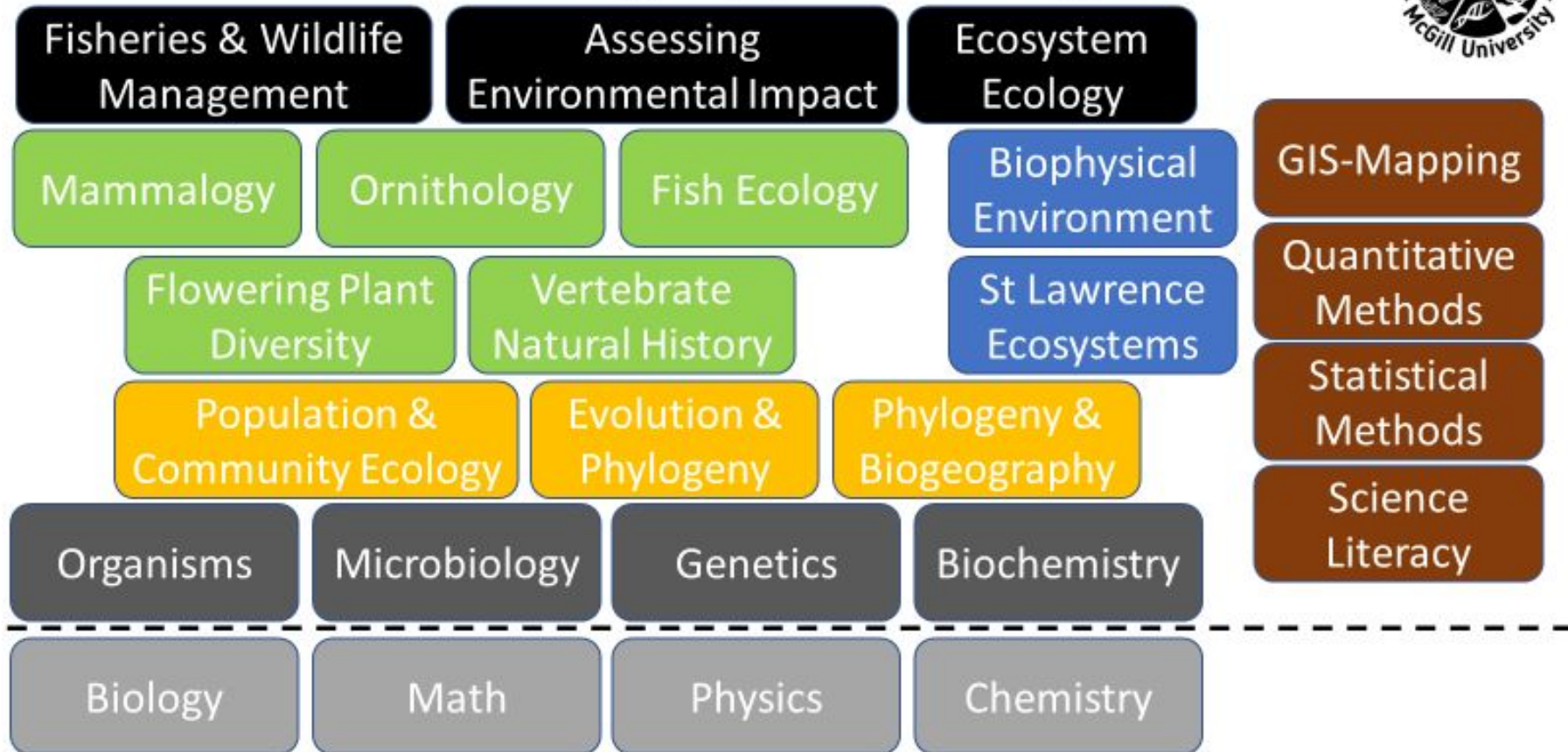
**Module 3:** Data & the Scientific Method November 8, 2022, On-line

**Module 4:** Fish & Wildlife Science in the Eeyou Marine Region – November 9-10, 2022, On-line

**Module 5:** Understanding Academia & Communicating Science – February 27-March 3, 2023, Le Centre Sheraton & McGill University



# Bachelor of Science (Agriculture & Environmental Science), Environmental Biology Major, Wildlife Biology Specialization



Module 1:

Principles of Evolution &  
Ecology

February 11-13, 2020

McGill University

Module 2:

Fish & Wildlife Populations: Monitoring,  
Modelling, & Conservation

March 7-9, 2020

Val D'Or

Module 3:

Data & the Scientific Method

November 8, 2022

On-line

Module 4:

Fish & Wildlife Science in the Eeyou  
Marine Region

November 9-10, 2022

On-line

<b>Module 5</b>	<b>Topic</b>	<b>Location</b>
Monday morning	Module 1 review	Sheraton
Monday afternoon	Module 2 review: Monitoring & GPS field guide	Sheraton
Tuesday morning	-Module 2-4 review: Population Models & EMR Projects -Introduction to Science Communication -Science Communication I: Designing posters	Sheraton
Tuesday afternoon	Global biodiversity & ecosystems	Sheraton & Biodome
Wednesday morning	Online module work time	
Wednesday afternoon	Online module work time	
Thursday morning	The Ivory Tower explained	Sheraton
Thursday afternoon	Meeting with McGill Dean of Students, AVP Research	McGill
Friday morning	Science Communication II. Plotting data	Sheraton
Friday afternoon	McGill Library Tour & Graduation Ceremony	McGill



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# CERTIFICATE OF COMPLETION

This certifies that

George Natawapineskum

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has successfully completed the CTA-EMR-McGill Professional  
Development Training Program in Fish and Wildlife Science

March 3, 2023

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Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University

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Fish & Wildlife Science



# CERTIFICATE OF COMPLETION

This certifies that

John Lameboy

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has successfully completed the CTA-EMR-McGill Professional  
Development Training Program in Fish and Wildlife Science

March 3, 2023

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Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



Department of  
Natural Resource Sciences -  
Agricultural Economics

Département  
des sciences des ressources naturelles -  
Économie agricole

Professional Development  
Training Program  
Fish & Wildlife Science



# CERTIFICATE OF COMPLETION

Awarded to

Natasha Louttit

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for successfully completing and coordinating the CTA-EMR-McGill  
Professional Development Training Program in Fish and Wildlife Science

March 3, 2023

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Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University

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# CERTIFICATE OF COMPLETION

This certifies that

Robert Fireman

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has successfully completed the CTA-EMR-McGill Professional  
Development Training Program in Fish and Wildlife Science

March 3, 2023

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Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University

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# CERTIFICATE OF COMPLETION

Awarded to

Sanford Diamond

for successfully initiating and completing the CTA-EMR-McGill  
Professional Development Training Program in Fish and Wildlife Science

March 3, 2023

Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Professional Development  
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Fish & Wildlife Science



# CERTIFICATE OF COMPLETION

This certifies that

Derek Okimaw

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has successfully completed the CTA-EMR-McGill Professional  
Development Training Program in Fish and Wildlife Science

March 3, 2023

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Dr. Gwyneth MacMillan  
Course Instructor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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Dr. Murray Humphries  
Professor  
Centre for Indigenous Peoples' Nutrition &  
Environment, McGill University



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