

Environmental Managementunder Land Code





Welcome





GUIDELINES & TOOLS





Mute Devices



Recorded Session



Closed Caption



Presentation & Materials



Questions & Comments



AGENDA & OBJECTIVES

DAY ONE - Dec 7, 2022 - Zoom Opens

8:45 AM

| 9:00 AM PST* | Welcoming & Overview - Review of Objectives, Scope & Session | Welcome & Review of Day 1 |
|--------------------|---|---|
| 9:05 AM 40 min | 1.1 Practical Tools for Environmental Management Planning RC presentation by Chantal Kitamura Magnetawan First Nation – Samantha Noganosh Bingwi Neyaashi Anishinaabek - Jessica Hubbard Malahat Nation - Melissa Tokarek | 2.1 ESAs: beyond Phase I RC presentation by Jennifer Predie Sheshegwaning First Nation – Nancy Cada Membertou First Nation – Trevor Bernard |
| 9:45 AM 40 min | 1.2 Environmental Assessment RC presentation by Jennifer Predie Key elements of a good EA process, 10 basic steps to include in an EA process - to assist FNs that are looking to develop their interim EA processes and laws. | 2.2 Enforcement of Environmental Laws RC presentation by Wade Davidson Malahat First Nation – Melissa Tokarek Whitecap Dakota First Nation – Murray Long & Tracey Lafond Haisla Nation – Howard Vroon |
| 10:25 AM | Health Break – 10 min | Health Break – 10 min |
| 10:35 AM 40 min | 1.3 Solid Waste Management RC presentation by Stefanie Recollet CIER Waste Warriors – Shianne McKay North Shore Tribal Council – Bea Rodh Lower Nicola Indian Band – Stephen Jimmie BC Zero Waste Program (IZWTAG) – Emily Chu | 2.3 GIS as an Environmental Management Tool RC presentation by Leeanna Rhodes Temagami First Nation - Victoria Winsor Flying Dust First Nation - Chico Bear Kitselas First Nation - Jason Petho |
| 11:15 AM 40 min | 1.4 Guest Presentations Indigenous Zero Waste Technical Advisory Group (IZWTAG) - Tania Solonas Magnetawan First Nation – Nadine Perran Malahat First Nation – Melissa Tokarek | 2.4 Guest Presentations Wahnapitae First Nation – Anthony Laforge Indigenous Protected and Conserved Areas Toolkit - Kerrie Blaise, Blaise Law |
| 11:55 AM | Networking & Discussion | Networking & Discussion |
| 12:00 PM | End Day One | Close of Workshop |

DAY TWO - Dec 8, 2022 - Zoom Opens

Environmental Management under Land Code

Practical Tools for Environmental Management Planning

Presented by:



Chantal Kitamura

RC Environment & Enforcement Advisor



What is Environmental Management Planning

Environmental Management Planning

Making decisions on how to preserve the quantity and quality of your lands

Identifying key environmental goals

What do you want your community to look like in 10 years, 50 years, 100 years, etc.?









Identifying important environmental issues

What issues are impacting your lands? What is the community concerned about?









Specifying tools to address identified issues

What tools are appropriate/feasible to implement? What will the community support?











Practical Tools for Environmental Management Planning

| Tool | Definition | Benefits | Limitations |
|--------------------------|---|---|---|
| Laws and Regulations | An enforceable direction designed to achieve uniform compliance | Enforceable Authorized by the Framework Agreement and Land Code Helpful where necessary | Costly to draft, implement and enforce |
| Policies | Specific method or course of action to guide government | FlexibleEasy to draftEasily amended | Not legally enforceableShould be consistent with other policies |
| Guidelines and BMPs | A set of instructions offering clear direction to minimize impacts | Provides clear direction for proper conduct of tasks | Not legally bindingCan become complex |
| Monitoring and Reporting | Collection and reporting of information on environmental quality | Establishes a baselineTracks change | Long-term commitment is needed May be difficult to interpret results |
| Engagement and Education | Communication of knowledge to improve awareness of issues and responses | Can result in positive change in attitudes and actions Adaptable | Not enforceableRequires a thorough outreach program |



Softer Approaches

Practical Tips for Environmental Management Planning & Implementation

Environmental Management Planning

Vision | Goals | Ideas

- Develop plans that are realistic and implementation-focused
- Focus on key environmental issues and tools that can be implemented given available resources
- Consider interactions with other plans, policies, laws, etc. that your First Nation might have
- Engage with Members and involve other departments, any Nation-owned entities & corporations, as well as other local governments







Implementation of Environmental Management Tools

Action | Results | Change

- Make someone responsible for implementation activities
- Report on progress to communicate what is being accomplished by your team
- Recognize and overcome any resistance (internal or external)
- Collaborate with other departments, governments and organizations
- Respond to change in environmental issues, staff, politics, budgets, funding



Panel Discussion



Bingwi Neyaashi AnishinaabekJessica Hubbard

Q1 – Describe a tool that your First Nation is using or developing to address an environmental concern?



Magnetawan First Nation
Samantha Noganosh

Q2 – How did you decide what tool was the most appropriate response to an identified environmental issue?



Malahat Nation Melissa Tokarek Q3 - How did you involve the community in making decisions about the environment?

Environmental Management under Land Code

Environmental Assessment

Presented by:



Jennifer Predie
RC Manager, Land Code Governance



What is an EA?

FΔ**

Environmental Assessment

- Predicts the potential environmental, social and cultural effects of a project before the project occurs
- Proposes mitigation measures to reduce or eliminate the predicted effects
- Includes public consultation
- A tool used for decision making by the First Nation



EA's look ahead to predict the environmental effects from a project before it occurs

**Not to be confused with:



ESA's look back at past land uses to determine current environmental conditions

- Identifies, test and remediates areas of environmental concern on First Nation reserve lands
- Typically completed in Phases (Phase I, II and beyond)
- Results of the Phase I ESA contribute to the Individual Agreement with Canada

ESA

Environmental Site Assessment



The Framework Agreement and EA's (Section 25)

- Individual Agreement outlines how to conduct an EA until a First Nation has an EA process in place
- First Nation's EA process consistent with the Canadian Environmental Act (CEAA)*
- First Nation's EA process triggered as early as possible when a First Nation is approving, regulating, funding or undertaking a project on reserve
- Use the First Nation's EA process whenever possible when a federal EA is also required
- Harmonize EA processes with the province when they agree to participate

- 1. EA Process
- 2. Consistency
- 3. EA's Early
- 4. Triggers
- 5. FN's EA
- 6. Harmonization



A Note on Consistency with CEAA



 The Framework Agreement and most Individual Agreements require First Nations' Interim and EA processes be consistent with CEAA.

2. Consistency

- HOWEVER very little details on 'what is CONSISTENCY'.
- ADDITIONALLY future amendments to the Framework Agreement & new Individual Agreement template (will) remove reference to CEAA.
- RC views on CONSISTENCY:



FN EA when
Federal EA
would
likely be
required

Detailed Assessment of Environmental Impacts

Decision on significance of adverse environmental effects



A Note on Harmonization



Harmonization:

- "one project, one study"
- does not mean replacing one EA process with another
- means ensuring the EA process satisfies the requirements of all jurisdictions involved
- could also include sharing results of environmental studies, consultation, etc.
- Even when EA processes are harmonized, each jurisdiction retains the ability to make their own EA determination

It is a good practice to enter into discussions with harmonizing jurisdictions early on to determine how the EA can be conducted to meet everyone's needs

6. Harmonization





Other Common EA Concepts

- Exclude low-risk projects from requiring an EA; ensure high-risk projects undergo a more detailed EA
- Allow for public input into project review and decisionmaking
- Assign costs for EA studies, evaluation and consultation to the project proponent, if necessary
- EA decision: taking into consideration any technically feasible mitigation measures, is project likely to result in adverse environmental effects, and if so, are those effects justified under the circumstances?
- Ability to adopt federal or provincial EAs, but still make an independent EA decision
- Allow for follow-up programs and monitoring to confirm EA decision and effectiveness of mitigation

- 7. Exclusion/
 Inclusion
- 8. Public Consultation
- 9. Proponent Pays
 - 10. Mitigation
- 11. EA Determination
 - 12. Adoption
 - 13. Monitoring & Follow-up



EA Process Development Checklist

Framework Agreement EA Requirements

1. EA Process

2. Consistency

3. EA's Early

4. Triggers

5. FN's EA

6. Harmonization

Other Common EA Concepts

7. Exclusion/Inclusion

8. Public Consultation

9. Proponent Pays

10. Mitigation

11. EA Determination

12. Adoption

13. Monitoring & Follow-up





EA Process Development

Preliminary: First Nation develops an EA Process generally consistent with

federal EA processes.

Note the EA process applies equally to all projects, regardless of the proponent and should be conducted early in the planning stages and before an irrevocable

decision has been made that would allow the project to proceed.

1. EA Process

2. Consistency

3. EA's Early

Project Initiation

1. Proponent submits a project description to First Nation Lands
Department. To assist proponents in preparing a project description, the
First Nation may want to consider developing a template or form that
clearly outlines the information that must be submitted for the project
description.

Is an EA Required?

2. First Nation determines if an EA is required.

The Framework Agreement requires an EA whenever a First Nation is approving, regulating, funding or undertaking a project. However, First Nations may want to develop an 'Exclusion List' for low-risk projects not likely to result in adverse environmental effects.

- a. If the project is on the Exclusion List, no EA is required, and the proponent may proceed.
- b. If the project is not on the Exclusion List, continue to the next step in the process.

4. Triggers



7. Exclusion/Inclusion



Proponent Notification

- 3. First Nation notifies proponent:
 - a. If no EA is required, First Nation notifies proponent that they can proceed with their project.
 - b. If an EA is required, First Nation notifies proponent that an EA is required and proceeds with the EA Process.

Community Consultation on Project

4. First Nation posts public notice notifying membership that a potential on-reserve project is undergoing an EA and that Council will be required to make an EA decision (include project description in the public notice). Notice should instruct Members to contact the First Nation Lands Department if there are any concerns.

EA Criteria

8. Public Consultation

5. First Nation provides the EA criteria (factors to be considered in the EA Report*) to the proponent.

The First Nation may want to develop a 'Major Project List' of high-risk projects that would require a more detailed or project-specific EA. Non-projects that are not exempt may require a 'Screening Level' EA.

- a) For non-Major Projects, the First Nation may want to develop a form or template outlining all the information required for the EA.
- b) For Major Projects, the First Nation may want to develop a project-specific Terms of Reference that lists the type of information and studies that will need to be completed for the EA.



7. Exclusion/Inclusion



*Factors to consider in an EA (Step 5 – EA Criteria)

a) A change to any of the following other components of the environment:

| Surface and Groundwater | Land (clearing, grading, fill deposit or removal) | Plants, Animals, Fish |
|-------------------------|---|--|
| Air and Noise | Socio-economic, cultural & heritage resources | Other (wastes, fuel tanks, explosives) |

- b) Any mitigation measures proposed to reduce or eliminate adverse effects to the above
- c) Comments from community members and the public
- d) Cumulative effects
- e) Climate Change: climate change impacts on the project & project impacts on climate change

**Federal Legislative Requirements

- Federal approvals may be required for projects that may cause impacts to the following:
 - (a) fish and fish habitat (Fisheries Act)
 - (b) listed aquatic and wildlife species and their habitat (Species at Risk Act)
 - (c) migratory birds (Migratory Birds Convention Act, 1994)
- Consider making the proponent responsible for obtaining federal approvals, and for contacting federal agencies to determine if a federal EA is required. If so, you can work with Canada to harmonize your EA process, substitute the federal EA process with the First Nations, or adopt the federal EA.
- It is a good idea to advise the federal department not to issue any permits, approvals, etc. unless the First Nation has made a positive EA decision.

10. Mitigation

6. Harmonization

5. FN's EA

12. Adoption



Proponent Prepares EA Report

6. Proponent, at their own expense, prepares the EA based on the First Nation's EA criteria (proponent may need to contract an environmental consultant to complete the EA) and submits the EA Report to the First Nation for review.

Review of EA Report

9. Proponent Pays

7. First Nation reviews EA report provided by the proponent. If necessary, the First Nation may want to request assistance from a technical specialist to assist in this review (the First Nation may want to consider specifying in their EA process that the proponent is responsible for costs associated with hiring a technical specialist to complete the review).

Request for Additional Information

7.1 If additional information or studies are required, the First Nation should notify the proponent and provide them a list of the outstanding information. The proponent is responsible for gathering that information and updating the EA report, as appropriate.





Community Consultation on EA Report

- 8. First Nation posts a copy of the EA report for community review with a deadline for comments to be submitted.
 - a) If significant concerns are received, the First Nation may advise the Proponent that community meetings will be required to discuss and address those concerns (the First Nation may want to consider specifying in their Interim EA process that the proponent is responsible for costs associated with community consultation).
 - b) A summary of the results of community consultation should be included with the EA report for consideration by Council when making their EA decision.

8. Public Consultation

EA Decision

9. Based on the EA report, results of community consultation and any other recommendations from the First Nation's committees and departments, the First Nation makes an EA determination:

The Proposed Project, taking into account mitigation measures:

- a) is not likely to result in adverse environmental effects;
- b) is likely to result in adverse environmental effects, but those effects are justified under the circumstances; or
- c) is likely to result in adverse environmental effects, and those effects are not justified under the circumstances.

11. EA Determination





Notice of EA Decision

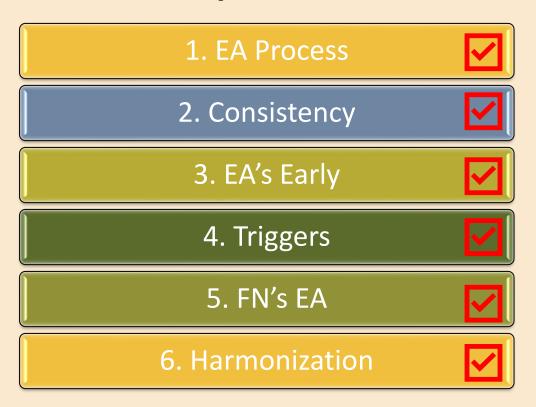
- 10. First Nation advises the proponent and posts public notice to the membership of the EA decision and any conditions for the proponent:
 - a. The proposed project, taking into account mitigation measures, is not likely to result in significant adverse environmental effects. The proponent may proceed with the project as planned, provided they obtain any other necessary permits, approvals, etc. prior to commencing work.
 - b. The proposed project, taking into account mitigation measures, is likely to result in significant adverse environmental effects, but those effects are justified under the circumstances. The proponent may proceed with the project as planned, provided they obtain any other necessary permits, approvals, etc. prior to commencing work.
 - c. The proposed project, taking into account mitigation measures, is likely to result in significant adverse environmental effects, and those effects are not justified under the circumstances. **The proponent may NOT proceed with the project as planned.**

Conduct any follow-up monitoring and reporting as necessary while project proceeds and following completion.



EA Process Development Checklist

Framework Agreement EA Requirements



Other Common EA Concepts





Ensuring EA's are Conducted

EA processes are an important land management tool that allow First Nations to make informed decisions about the potential environmental effects of a project before the project occurs.

How do you ensure an EA is conducted?

- 1. Make EAs a mandatory requirement before any other necessary First Nation permits, approvals, leases, etc. can be issued
- 2. Make an EA Law* that incorporates your EA process
 - In addition to your EA process, your EA law should include:
 - Offences (work before EA, providing false information, etc.)
 - Enforcement powers (search, seizure, inspections, sampling, testing, etc.)
 - Enforcement actions (stop work orders, compliance orders, etc.)
 - Penalties for non-compliance (fines, imprisonment, sufficient to deter non-compliance, etc.)

*Consult with your legal advisor and ensure you are following the law development and enactment procedures in your Land Code







Environmental Management under Land Code

Solid Waste Management

Presented by:



Stefanie RecolletRC Waste Management Specialist



SOLIS WASTE MANAGEMENT PLANNING

Solid Waste Management Planning

Understanding your current waste generation (planning for future waste generation – population growth)

Planning for each waste stream (where will it go, how will it get there, how much will

it cost?)









Hazardous Waste









SOLID WASTE STUDIES & PLANS

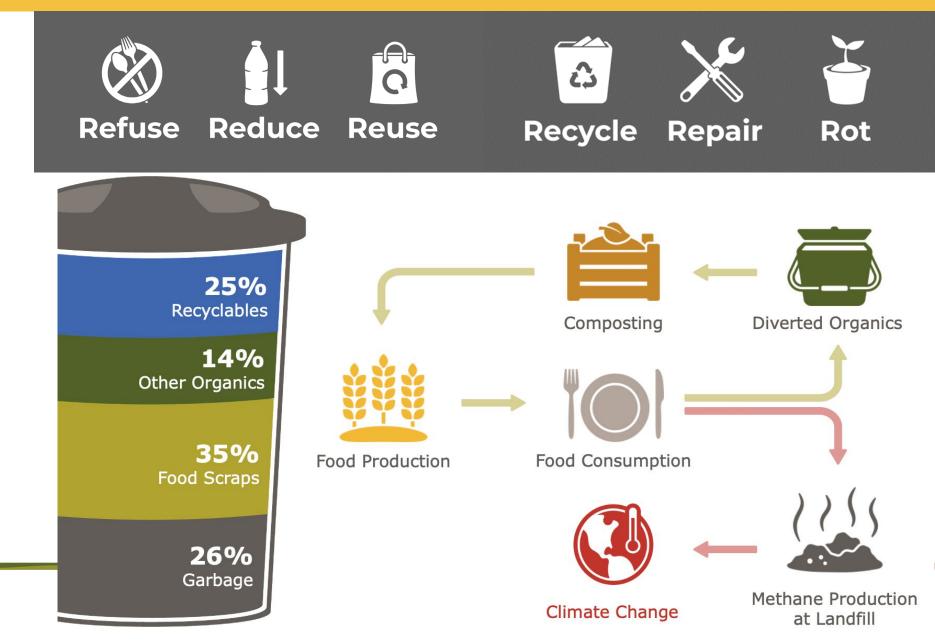
- Feasibility studies Identifies Waste disposal options Direct Haul, Transfer Station,
 Landfill Site selection, Cost projections O&M Etc.
- Design Phase & Engineering Studies Working with the FN's Land Use Plan and Environmental Protection Laws, Federal & Provincial Environmental Regulations, site lay out, etc.
- Landfill Assessments determines the amount of capacity left, groundwater & surface water testing – contamination issues
- Monitoring Plans Surface & groundwater testing, patrolling,
- Operation & Maintenance Plans site management
- **Decommission Plans** site closure



SOLID WASTE PROGRAMS

Programs

- Minimize what goes to the landfill
- Reduce Environmental impacts
- Recover/ reduce costs
- Waste Reduction
- Zero Waste
- Diversion
- EPR & FPR





SOLID WASTE LAWS & REGULATION DEVELOPMENT

Per the Framework Agreement, Land Code First Nations have the power to make environmental laws relating to First Nation land. Furthermore, those laws may be amended or expanded over time as needs and risks change.

Nation land. Land and environmental laws can be developed, as they are deemed necessary by the First Nation

Some Examples of Solid Waste Related Laws

- Anti-littering & Unauthorized disposal
- Soil deposit and transport
- Subdivision, development and servicing
- Outdoor burning
- Unsightly premises
- Nuisances (i.e., noise, dust, odour)
- Derelict Vehicle Removal

RC Support for Environmental Law Development

 We can provide sample laws, review draft laws, assist with enforcement provisions and administration sections.

NOTE: First Nations still need to seek independent legal advice on their laws.



Panel Discussion



CIER Waste Warriors

Shianne McKay



North Shore Tribal Council

Bea Rodh



Lower Nicola Indian Band

Stephen Jimmie



BC Zero Waste (IZWTAG)

Emily Chu

How important is internal capacity development in Solid waste to the First Nations you work with?

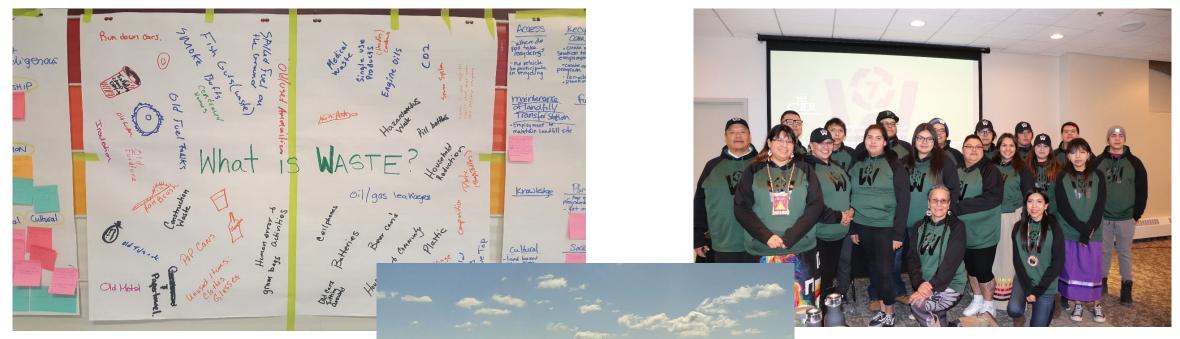
What is the role of solid waste coordinator? And how do they work to improve solid waste management on reserves?

How was your experience with Community Solid Waste Planning and how has it benefitted your community?

What is the principle of zero waste and how can First Nations implement it in their communities?

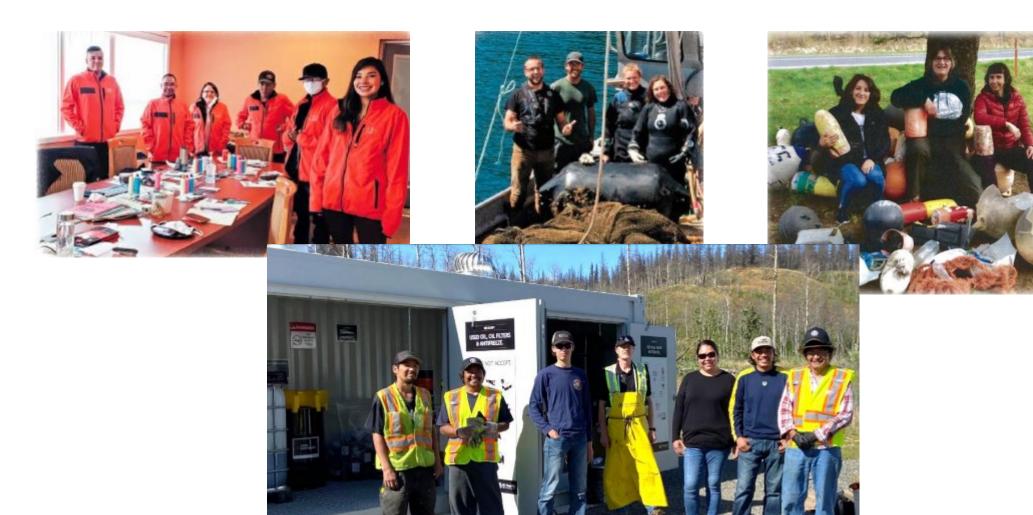
Seventh Generation Waste Warriors







Indigenous Zero Waste Technical Advisory Group – Programs





Environmental Management under Land Code

Guest Presentations



Indigenous Zero Waste Technical Advisory Group (IZWTAG)

Tania Solonas



Magnetawan First Nation

Nadine Perran



Malahat First Nation

Melissa Tokarek









December 2022





Magnetawan First Nation Community Science Initiatives

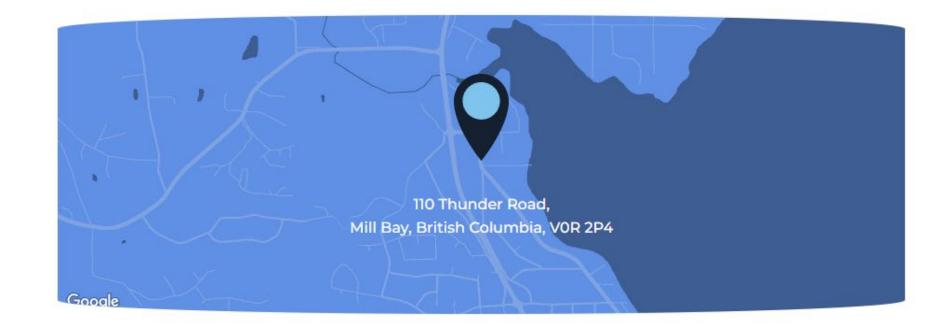


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Operational





Natural Resource Management under Land Code

Networking & Discussion



SUMMARY OF DAY ONE





DAY ONE

Environmental Management Under Land Code

DAY TWO - 9:00 AM PDT 12:00 PM EST Environmental Management Plan

Environmenta Site Assessment **Environmental Assessment**

Enforcement of Environmental Laws

Knowledge Sharing

Solid Waste Management

Environmenta Management Tools



Environmental Management under Land Code

ESAs: Beyond Phase I

Presented by:



Jennifer Predie
RC Manager, Land Code Governance



Environmental Site Assessments

A process that looks at current and past land uses to identify and address areas of environmental concern (contamination)

Completed in Phases (I, II and beyond)

Phase I Environmental Site Assessments and the Framework Agreement on First Nation Land Management

Conducted to fulfil ISC's requirements under the Framework Agreement to provide the First Nation with all information in Canada's possession regarding the environmental condition of the reserve lands

Provides the First Nation and Canada with a snapshot of the existing environmental conditions of the First Nation's reserve lands at a particular point in time, prior to the change in land management jurisdiction.

Phase I ESAs also include recommendations for further study (Phase II ESA), and the results of the Phase I ESA form part of the First Nation's Individual Agreement with Canada Under the Framework
Agreement, Canada remains
responsible for any acts or
omissions in relation to First
Nation land that occurred
before the First Nation's land
code comes into force

ESA Phases







Phase I

Phase II

Next Steps?

Identifies Areas of Potential Environmental Concern (APECs)

Records Review

Site Visit

Community Meetings and Interviews

Confirms Areas of Environmental Concern (AECs)

Environmental Sampling & Analysis

Comparison to federal & provincial environmental standards and guidelines based on land and water use

Managing or Remediating Contamination

Contamination delineation

Exposure pathways, conceptual models & risk assessment

Containment or remediation works, as necessary

Typical Timing of ESA Phases

Land Code and Individual Agreement approved by Community



Phase I ESA



Phase II and next steps (if necessary)

First Nation enters
Developmental Phase under
Framework Agreement

First Nation interested in becoming signatory to the Framework Agreement

ESA Timing

- Phase I ESA occurs during the Developmental Phase
- Phase II ESA (if necessary), occurs during the Operational Phase, typically within one year of ratification, and depending on availability of funding (ISC)
- Next steps (if necessary), occur later, timing depending upon severity of contamination, potential impacts to human health and the environment, and availability of funding (FCSAP, other sources)



Contaminated Sites Management



Laws, Policies & Land Instruments



Risk Management



Education



Land Use



Prevention Programs



Monitoring



Records



Remediation



When Remediation is Necessary...

Next steps and funding sources are determined on a case-by-case basis

Federal Polluter Pays Principle

- Person or organization responsible for causing the contamination is typically held responsible for costs to conduct additional studies and remediation
- If unable to pay or if the third party cannot be identified, federal funding may be available (FSCAP, NRCan, IOGC, DND, etc.)

Federal Contaminated Sites Action Plan (FSCAP)

- Contaminated sites on Federal lands (not just reserve lands) are scored and sites are prioritized for action
- Funding is limited and can be difficult to access
- sites with highest risk for exposure and that the most significant contamination are typically dealt with first
- Funding generally comes from ISC through their Contaminated Sites on Reserve Program, which is funded under FCSAP

Other Funding Sources

- RC Funding Initiatives: Legacy, Solid Waste Management, Environmental Management Plan Development and Implementation
- ISC Funding: Solid Waste, others?
- Links to economic development funding (e.g., clean-up prior to allow for development projects)



Panel Discussion



Sheshewaning First NationNancy Cada



Membertou First Nation
Trevor Bernard

Q1. How did your Phase I ESA inform contaminated sites management on your reserve?

Q2. Could you please share your experiences with contaminated sites remediation?

Q3. What programs or funding sources were you able to access to manage your contaminated sites?

Q4. What do you feel were the biggest challenges and successes of this project? Were there any lessons learned that might be helpful for others?



Environmental Management under Land Code

Enforcement of Environmental Laws

Presented by:



Wade Davidson

RC Enforcement Advisor



Authority for Environmental Law

Framework Agreement on First Nations Land Management – under Land Code

- EP laws have at least the same protection standards and punishments as the province or territory in which they are situated (e.g., in Ontario, the Environmental Protection Act allows for fines to corporations for up to \$10 million and for individuals, up to \$6 million and 5 years less a day imprisonment for some continuing offences)
- Restitution, community service, alternate means for achieving compliance
- Land Code communities have great autonomy and flexibility in enacting environmental laws and the accompanying enforcement





Enforcement Options

Enforcement Activities

- Monitoring
- Inspections
- Investigations

Enforcement Powers

- Search & Seizure
- Sampling, Testing & Taking
 Measurements

Enforcement Actions

- Warnings
- Tickets/Violation Tickets
- Orders
- Injunctions
- Prosecution





Enforcement Alternatives

Reducing the Risk of a Violation

- Community Engagement and Education
- Incorporation of culture, values, traditions
- Make compliance easy

Positive Duties in Law

- Make self-reporting mandatory
- Require permits and approvals be readily available for inspection

Elders, Mediation, Dispute Resolution

 Promotes healing and will typically be more effective than courts

Strong Governance Mechanisms

- Maintain records
- Ensure permits, leases and laws coordinate

Partnerships

- Work with other Indigenous communities to share resources such as inspectors and technical experts
- Consider partnerships with other governments

Deterrence

Potential penalties & the risk of getting caught

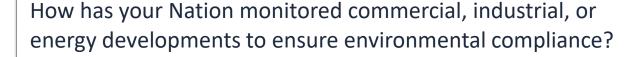


Panel Discussion



Malahat Nation

Melissa Tokarek





Whitecap Dakota First Nation

Murray Long & Tracey Lafond

What successes and challenges has your Nation experienced in ensuring environmental compliance?

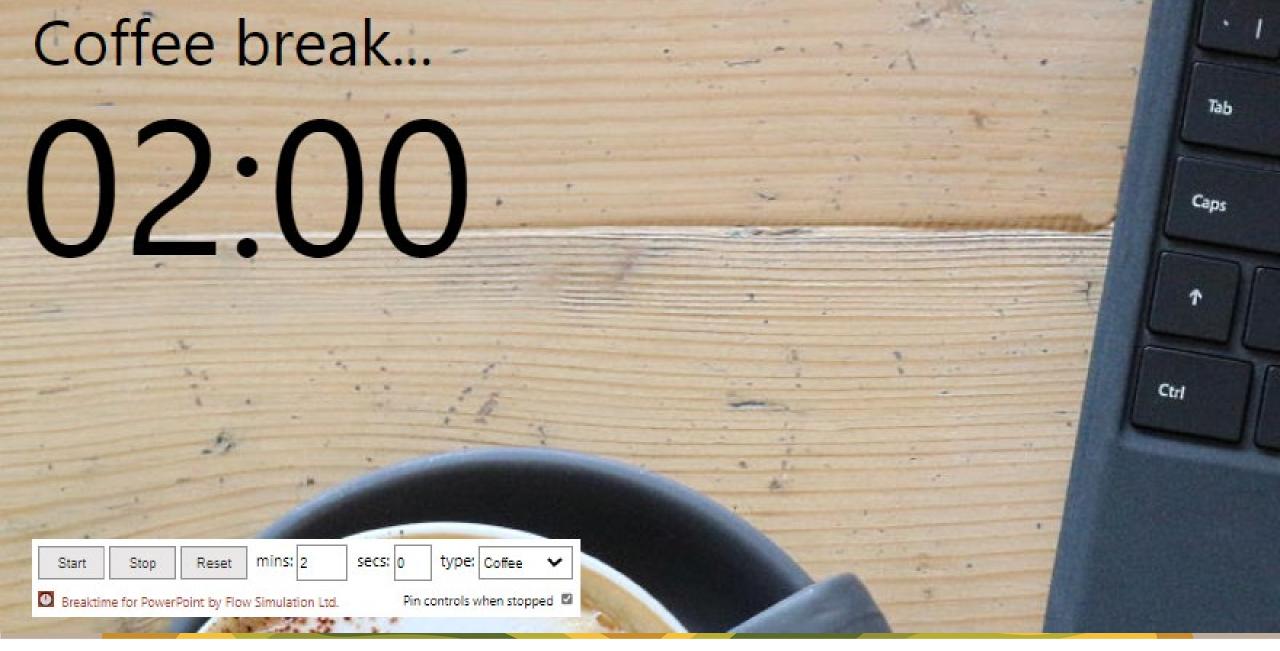


Haisla Nation

Howard Vroon

What does the future of environmental oversight and enforcement look like for your Nation?







Environmental Management under Land Code

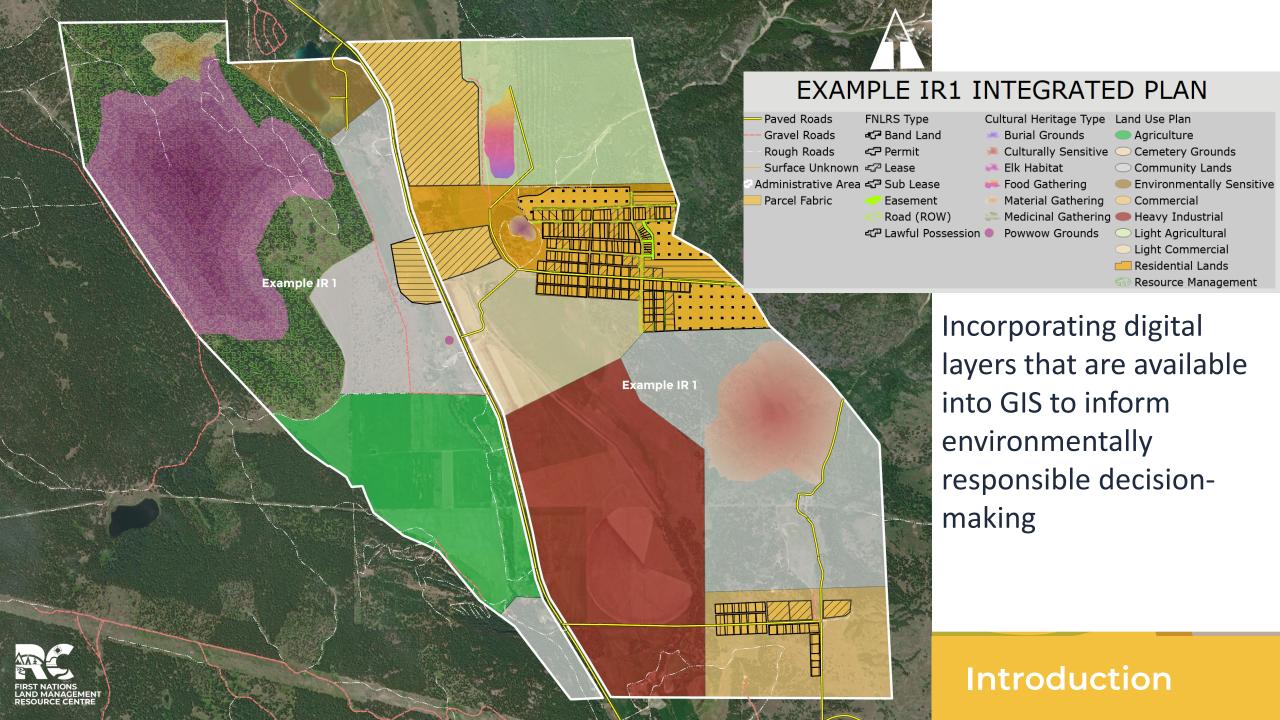
GIS as an Environmental Management Tool

Presented by:



Leeanna RhodesGIS Specialist





Results from ESA form EMP Digital Layers

Mapping the ESA's

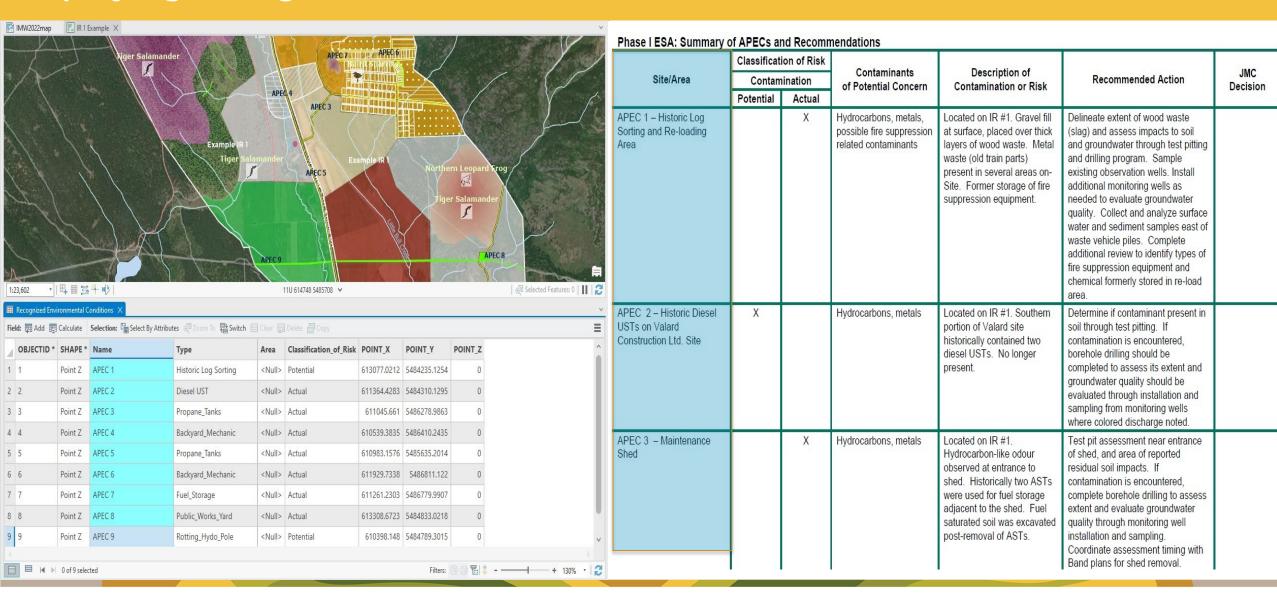
- Acquiring APEC Summary
- Managing data in a spreadsheet
- Analyzing with other environmental layers
- Owning and Customizing by adding community info
- Displaying your maps at public functions and other media, keeping community informed of progress



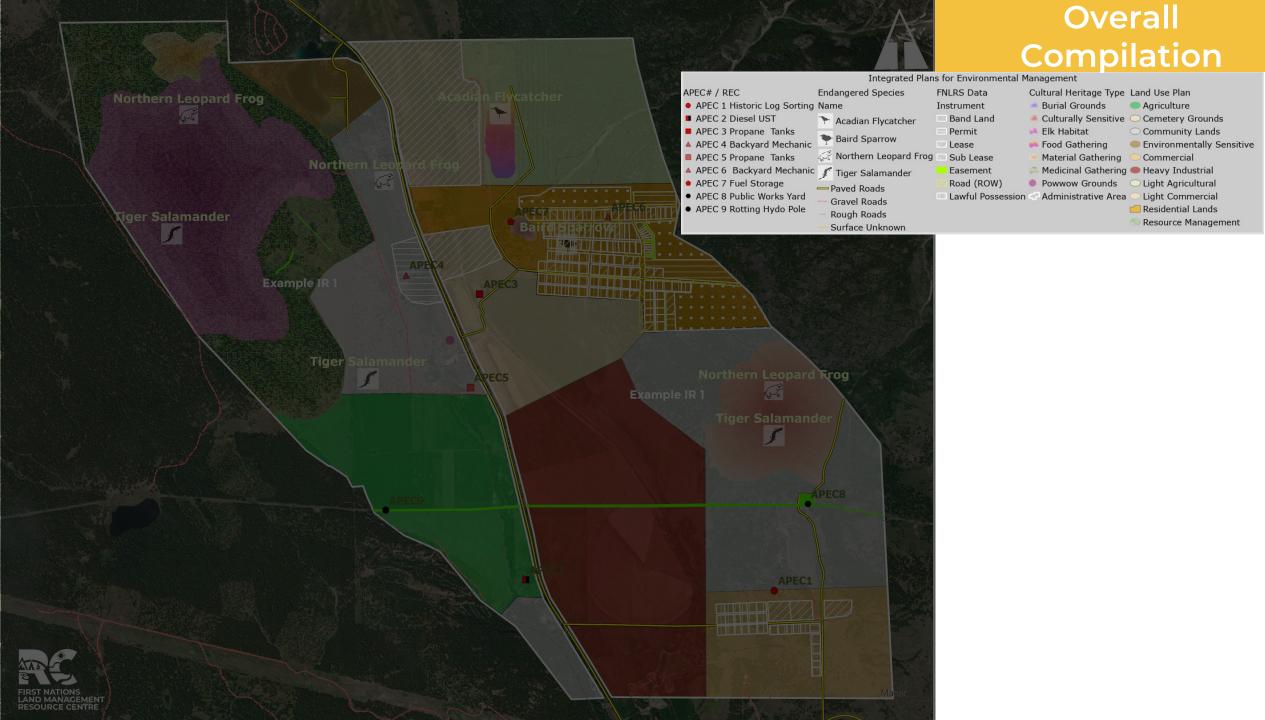




Displaying Recognized Environmental Conditions







Overall Compilation

Integrated Plans for Environmental Management

APEC# / REC

- APEC 1 Historic Log Sorting Name
- APEC 2 Diesel UST
- APEC 3 Propane Tanks
- APEC 4 Backyard Mechanic
- APEC 5 Propane Tanks
- APEC 7 Fuel Storage
- APEC 8 Public Works Yard
- APEC 9 Rotting Hydo Pole

Endangered Species

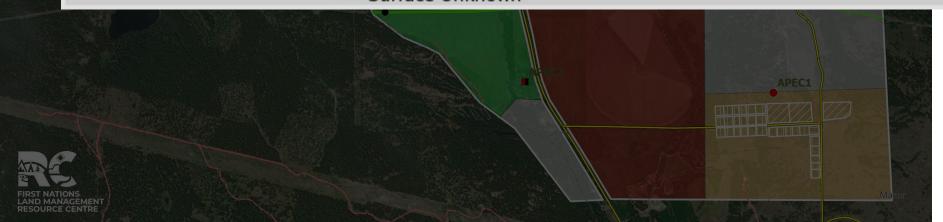
- Acadian Flycatcher
- Baird Sparrow
- Rorthern Leopard Frog
- ▲ APEC 6 Backyard Mechanic 🎢 Tiger Salamander
 - Paved Roads
 - Gravel Roads
 - Rough Roads
 - Surface Unknown

FNLRS Data

- Instrument
- Band Land
- Permit
- Lease
- Sub Lease
- Easement
- Road (ROW)
- Lawful Possession

- Cultural Heritage Type Land Use Plan
- Burial Grounds
- Culturally Sensitive
- Elk Habitat
- Food Gathering
- Material Gathering
- Medicinal Gathering Heavy Industrial
- Powwow Grounds
- Administrative Area

- Agriculture
- Cemetery Grounds
- Community Lands
- **Environmentally Sensitive**
- Commercial
- Light Agricultural
- Light Commercial
- Residential Lands
- Resource Management



Overall Compilation

GIS as a tool for environmental management

- Determines layers needed
- Work schedule assistant
- Protection of cultural and environmental sites

Baird Sparrow

— Paved Roads

Gravel Roads

Rough Roads

Communication

APEC 1 Historic Log Sorting Name

APEC# / REC

■ APEC 2 Diesel UST

■ APEC 3 Propane Tanks

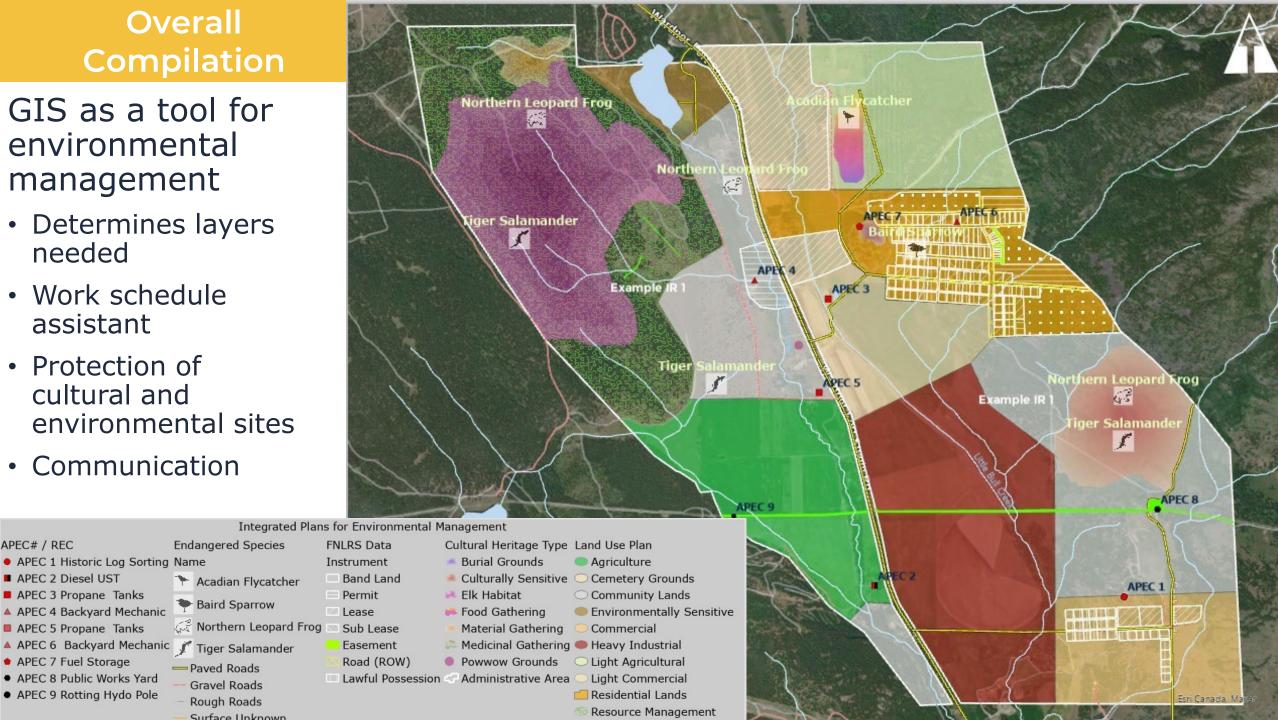
■ APEC 5 Propane Tanks

APEC 7 Fuel Storage

APEC 8 Public Works Yard

• APEC 9 Rotting Hydo Pole

▲ APEC 4 Backyard Mechanic



Panel Discussion



Temagami First Nation

Victoria Winsor – GIS Technician



Kitselas First Nation

Jason Petho – GIS Technician

Q1) Why was it important to you and your First Nation to use GIS? Where do you think, it is going to lead in the future?

Q2) Where do you get your environmental information to add to your GIS?

Q3) How has GIS supported your environmental governance issues and decision making?



Environmental Management under Land Code

Guest Presentations



Wahnapitae First Nation

Sara Lehman



Indigenous Protected and Conserved Areas Toolkit

Kerrie Blaise – Blaise Law





Wahnapitae First Nation Guest Presentation

TMPD Workshop
Anthony Laforge, Lands Director







Mentorships and Relationship Building



Community Engagement

*AFSAR Science North Trip and Magnetawan SAR Presentation

Waste Diversion Transfer Station Project 22-23









Indigenous Services Canada

Services aux Autochtones Canada

Key Focus:

Increased waste diversion
Job opportunities for Members
Risk management
Long-term functionality

Environmental Monitoring

Community Based Water Monitoring Program

Regular residential water sampling

Emergency sampling for sources of concern

Education of well management and small systems



Service Agreements and Monitoring

Weekly Job Site
Assessments – City of
Sudbury and Mining
Companies

Monthly water sampling for mining sites

Technical Support













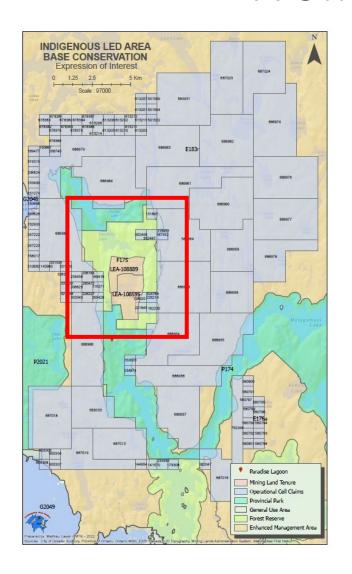




First Nations Environmental Contaminants Grant

Community health research related to consumption of traditional food sources (fish)

Wolf Lake as a Protected Area









Grant Applications for 2023-2024 fiscal

CORDA: Trail System Refurbishment

EJ4Climate: Community Greenhouse and Foodbank

RC Waste Diversion Funding: Upgrades to waste diversion

Species at Risk Stewardship Program: Species at Risk Biologist Funding

Technical Staff Updates

Current positions (5):

Water Resource Technician x1

Environmental Technicians x2

Lead GIS and Mapping Technician

Lead Environmental Technician

Technical Goals:

Species at Risk Focuses

Forestry management technician

Staff personal development

- Conferences and training

2022 Upgrades:

Overall focus on data acquisition using new electronics: Tablets, Drones

Key Focuses:

Data management and staff safety



Advancing Indigenous Rights through Indigenous Protected and Conserved Areas

A Toolkit for Communities and Allies

Kerrie Blaise, <u>Blaise Law</u> December 8, 2022

With thanks to the invitation from the First Nations Land Management



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Natural Resource Management under Land Code

Networking & Discussion





TWO DAY WORKSHOP

Environmental Management under Land Code

Environmental Management Plan

Environmental
Site
Assessment

Environmental Assessment

Enforcement of Environmental Laws

Community Perspectives

Solid Waste Management

Environmental Management Tools





2023 EVENT SCHEDULE

Online Registration: labrc.com/events

Jan 12

Using GIS to Support LUP & SWM



Virtual Webinar Feb 09

Save the Date



Virtual Webinar Mar 8-9

RC Support Services Workshop



Virtual Workshop Apr-May

FNLRS Training Sessions



Regional
Workshops

Mar 30

FNNLR Update

Virtual Workshop



Jun 6-8

LAB-RC Enforcement Conference

Gatineau-Ottawa, QC



LEARNING TOOLS & SUPPORT





Workshops & Webinars

Online Courses

Knowledge Paths Tool

Land Governance Manual

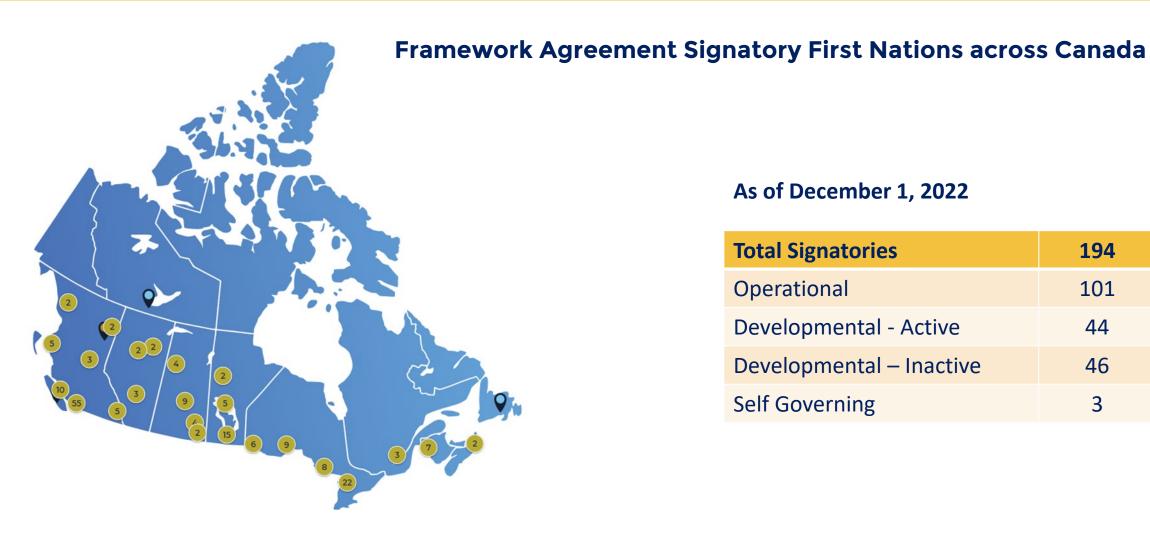
Knowledge Repository

Direct Community Support (1:1)



COMMUNITY OF PRACTICE & SUPPORT



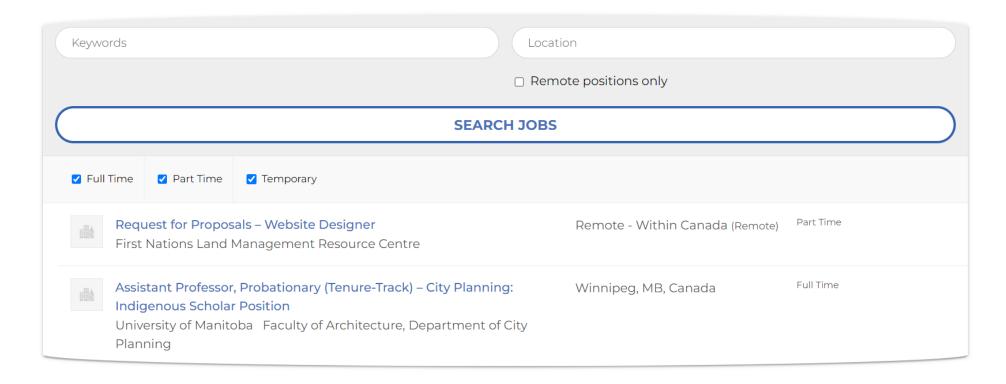


As of December 1, 2022

| Total Signatories | 194 |
|--------------------------|-----|
| Operational | 101 |
| Developmental - Active | 44 |
| Developmental – Inactive | 46 |
| Self Governing | 3 |



Job Opportunities (Internal and External)













resourcecentre_tmpd



vimeo.com/labrc

THANK YOU



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