



Foreshore Integrated Management Planning

Method updates and benefits of re-surveying
Lake Country Council Meeting
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Foreshore Integrated Management Planning

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Land Acknowledgement

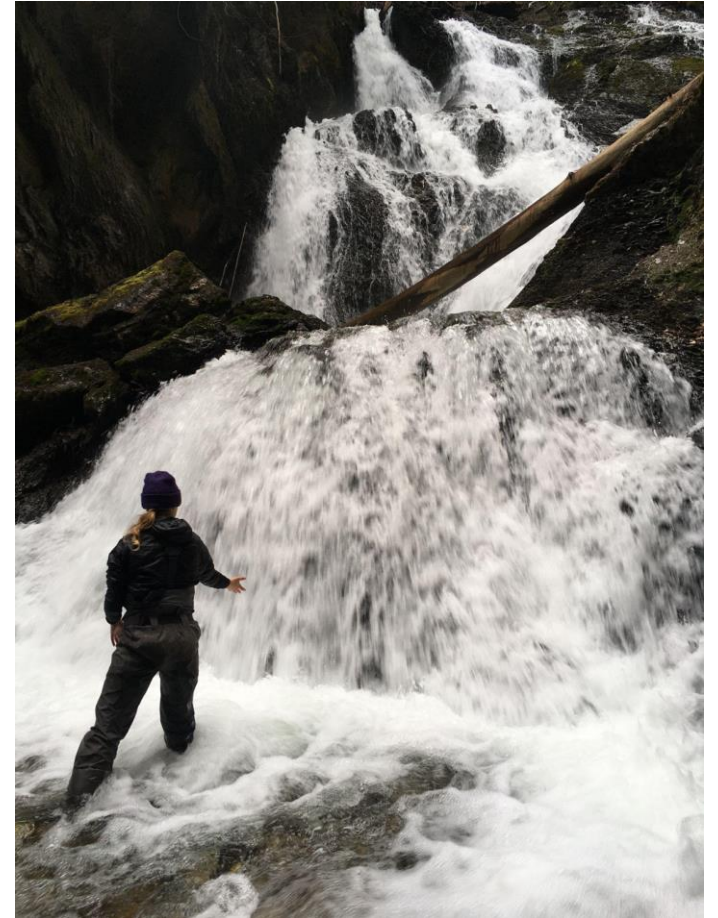
We respectfully acknowledge our water stewardship work originated in the unceded traditional territories of the Ktunaxa, Secwepemc, Sinixt and Syilx Nations who have stewarded these lands for generations.

Our organization also works across the province and country on water stewardship projects in the traditional territories of many nations.



Overview

- FIMP Overview - **F**oreshore **I**ntegrated **M**anagement **P**lanning
- Methodology updates
- Benefits to re-surveying
- Next steps
- Closing & Thank you

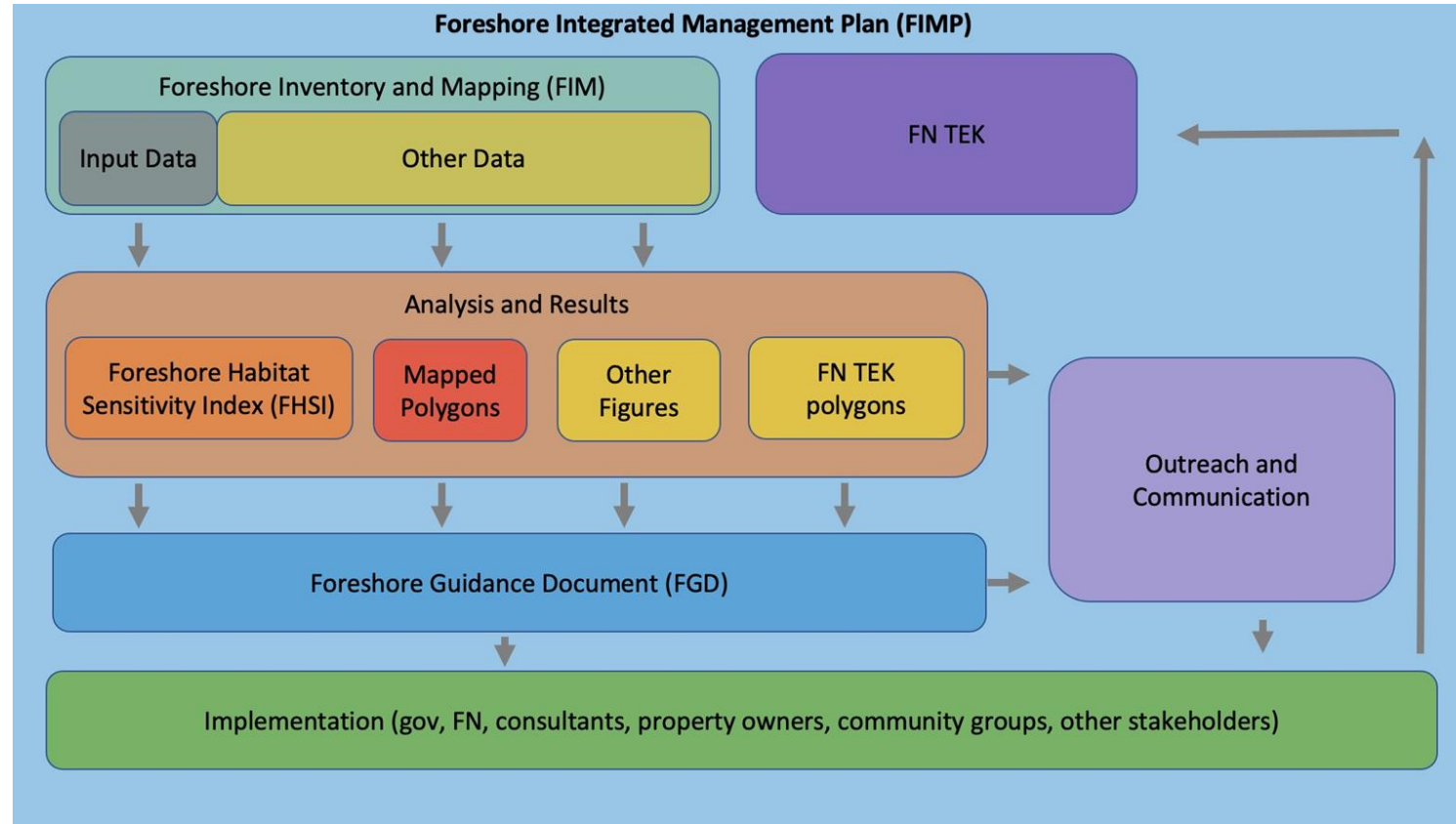


Foreshore Integrated Management Planning (FIMP)

- **Name:** Foreshore Integrated Management Planning
- **Function:** A cumulative impact assessment tool that maps shoreline habitats, assesses habitat value and establishes Foreshore Development Guidelines to conserve ecosystems, support climate resiliency, protect species of conservation concern and provide best management practices.
- **Lead Organization:** Living Lakes Canada
- **Partners:** Many in-kind contributions from First Nations, Local Government, not-for-profits
- **Funding:** Fisheries and Oceans Canada, Fish and Wildlife Compensation Program, Real Estate Foundation of BC, various local sources
- **Objectives:** Reviewing and revising the FIMP methodology and mapping (or re-mapping) priority lakes in British Columbia to assess the rate of change in ecological and urban development parameters.



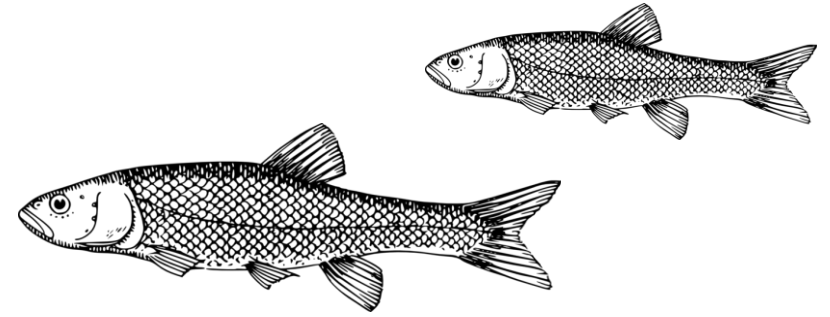
FIMP Methods Outline: Current Approach



FIMP Method Updates

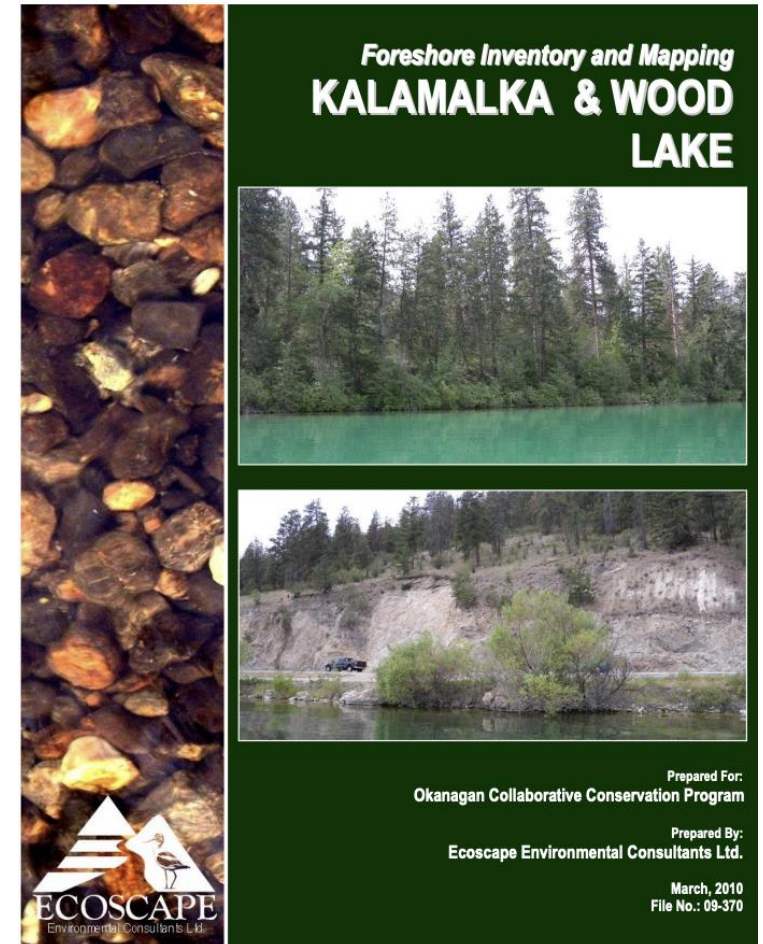
2019-2022

- Technical Committee formed
- First Nations Traditional Ecological Knowledge (TEK)
 - Focus on fish and wildlife information. Not archaeology or other cultural values. Two pathways to include TEK.
- Methods Report Update (2009, 2020)
- Methods tested in 2020-21 on Windermere, Moyie, Whitetail and Whiteswan lakes in Canadian Columbia Basin (B.C.)
- Lakes re-surveyed include Windermere, Moyie, St. Marys, Kootenay, Slocan, and Columbia (Arrow Lakes for the first time)
- Central FIMP Data Repository (hosted by water hub)
- Proposed Climate Scenario Analysis Addendum



Re-FIMP Survey Benefits

- Assess the rate of change in urban development and ecological parameters
- Determine development impacts and potential loss of habitats that may be useful for future lake management
- Re-survey will help enable identification of important management targets, such as reducing the rate of change to 0% or planning for climate resilience and adaptation
- Rates of loss of natural shoreline: Lake Windermere (-0.18%), Lake Okanagan (-0.2%), and Kootenay Lake (-0.29%)
- Consistent rate of loss, despite jurisdiction



Takeaways

- LLC acts as coordinator
- Local steering committee to support project
 - Local government, local stewardship groups, First Nations
- Collaborative funding approach
- Re-surveys ideally take place every 10-15 years
- Estimate for Kal and Wood Lake re-survey: ~ \$100,000
- Customized data layers to be added for specific water quality concerns (for drinking intake protections, based upon field observations and observed turbidity spikes at point of intake)



Contact

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Learn More

livinglakescanada.ca/project/foreshore-integrated-management-planning/

Questions?

