

Municipal Flood Line Mapping Project

NS DEPARTMENT OF MUNICIPAL AFFAIRS AND HOUSING
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SEPTEMBER 5TH, 2019

Agenda

1

Background Information

- What is the Municipal Flood Line Mapping Project?

2

Municipal Flood Line Mapping Project

- Objectives
- Project Outline

3

Test Case – Margaree River

4

General Next Steps

Background Information

- ▶ Why does DMAH care about flooding?
 - ▶ Municipal Government Act
 - ▶ Statements of Provincial Interest
 - ▶ Emergency Management Office (EMO)
 - ▶ Front lines and Disaster Financial Assistance Arrangement (DFAA) Admin
 - ▶ Grants and Infrastructure
 - ▶ Flood Risk Infrastructure Investment Program (FRIIP)

Background Information

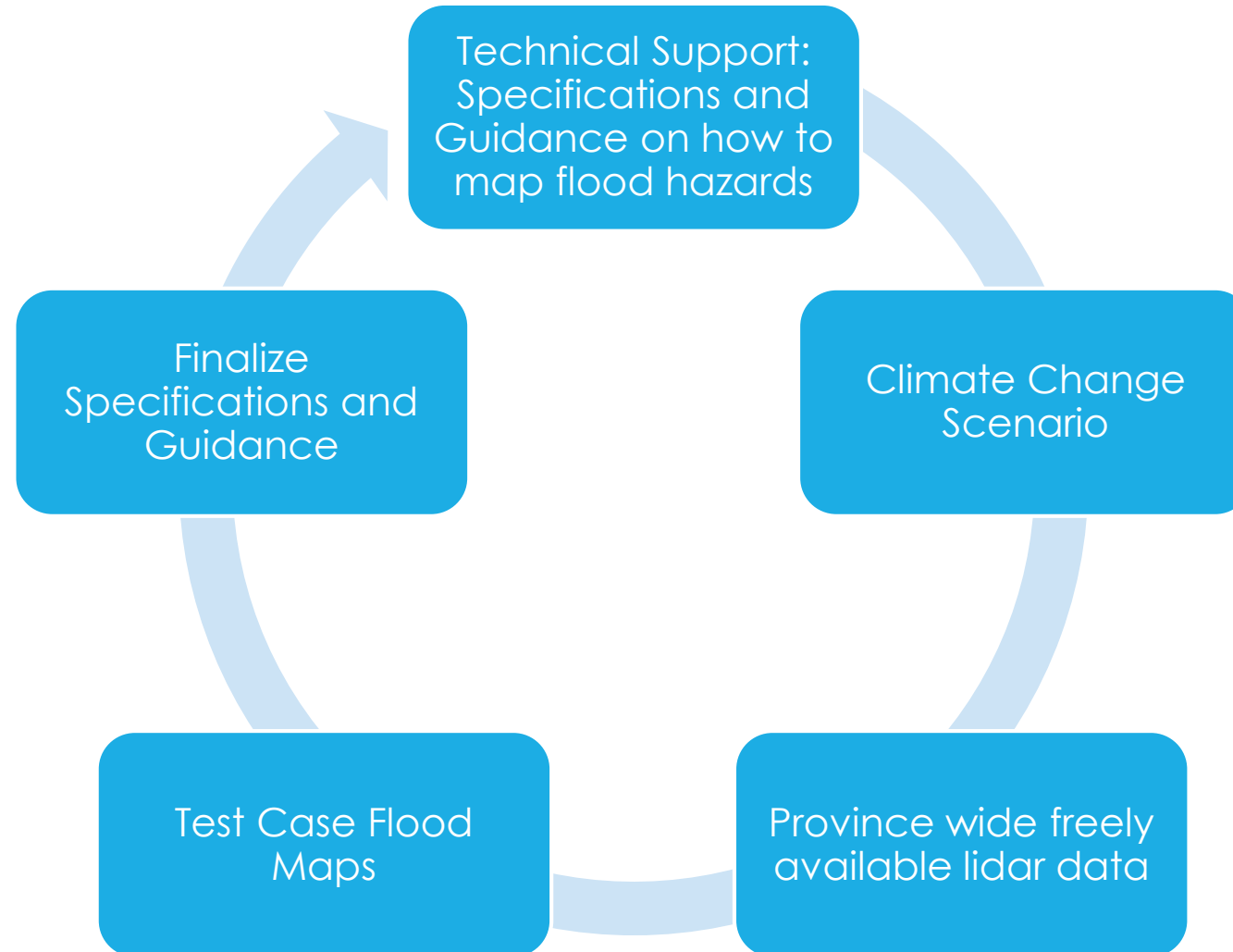
▶ Past Work

- ▶ Gas Tax Transfers to Municipalities
 - ▶ Integrated Community Sustainability Plans (ICSPs)
 - ▶ Climate Change
 - ▶ Municipal Climate Change Actions Plans (MCCAPs)
 - ▶ Flooding was the number one theme across NS
 - ▶ Municipalities need guidance and support to address flooding
- ▶ Municipal Floodline Mapping Project (MFLM)
 - ▶ DMAH with support from Environment and Geonova (Internal Services)

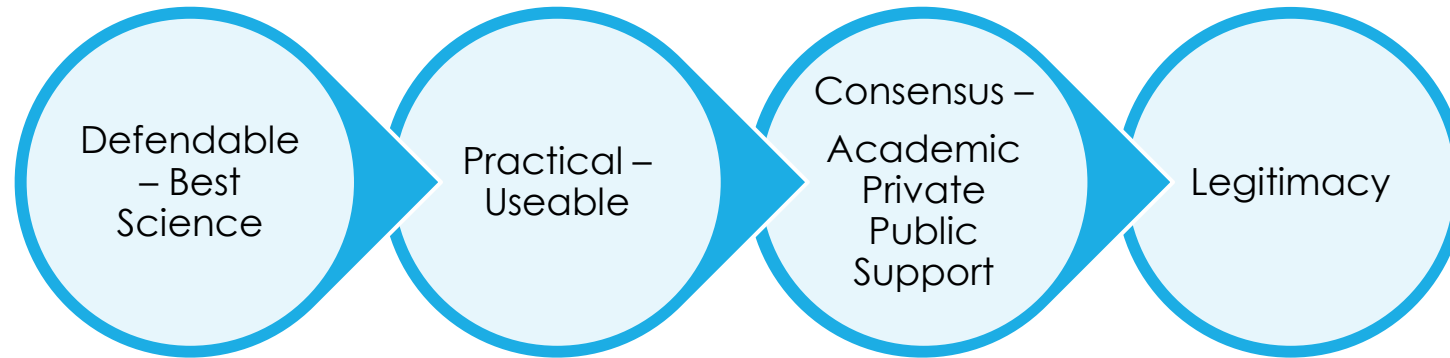
MFLM

- ▶ National Disaster Mitigation Program – Public Safety Canada
 - ▶ Provincially/Federally Cost Shared
 - ▶ 2018/2019 – 2019/2020
 - ▶ \$1.9M
- ▶ Objectives
 - ▶ Remove barrier for Municipalities
 - ▶ Map Flood Hazards to discourage development in unsafe places
 - ▶ Climate Change Adaptation Planning

MFLM – Phase 1



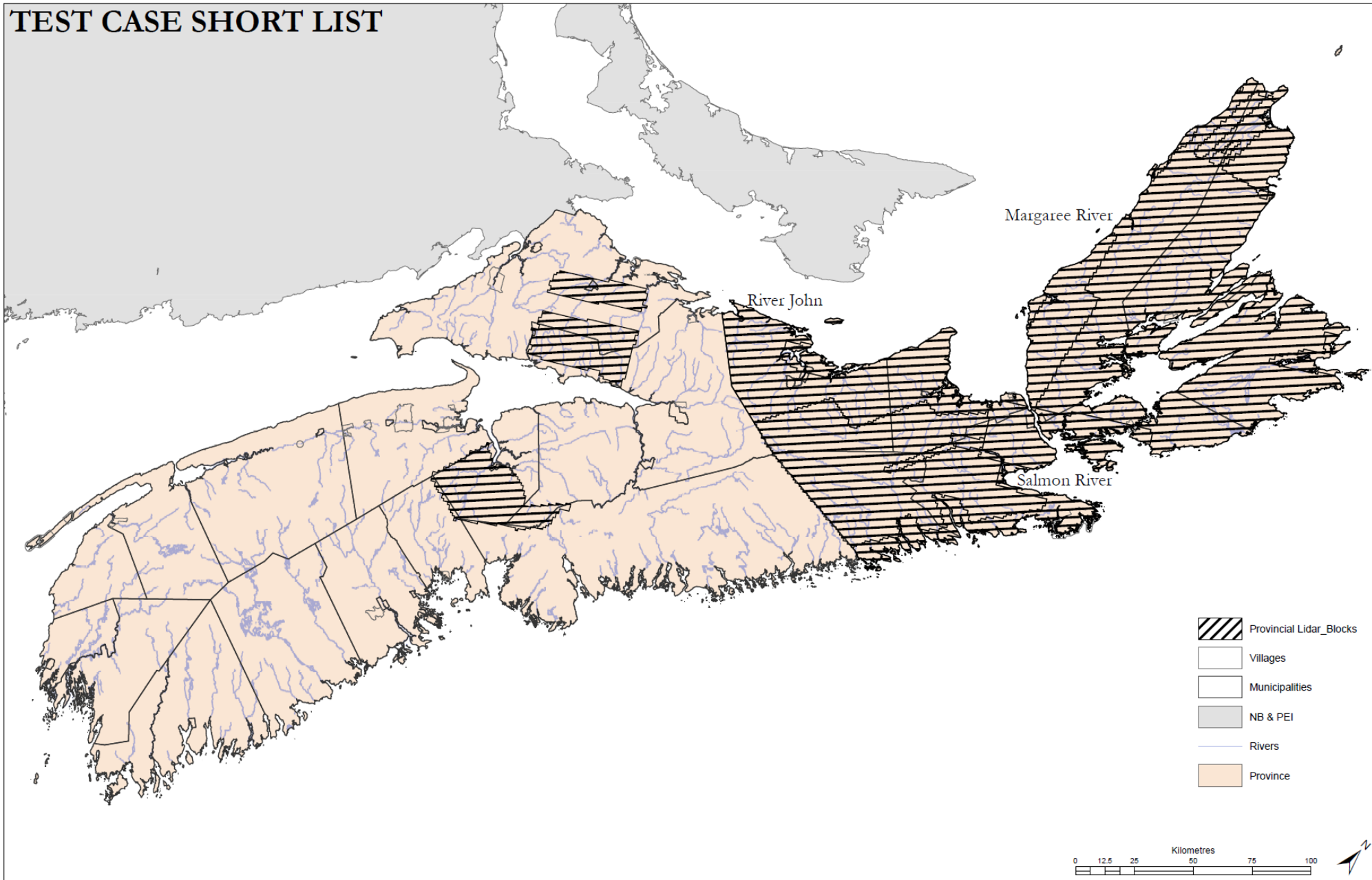
Climate Change



- ▶ Multidisciplinary Approach
- ▶ Interdepartmental Collaboration
- ▶ Academic Working Group
- ▶ Rainfall Changes and Sea Level Rise and Storm surge
 - ▶ Methods and Data
- ▶ Peer Reviewed
- ▶ Next Step is testing scenario

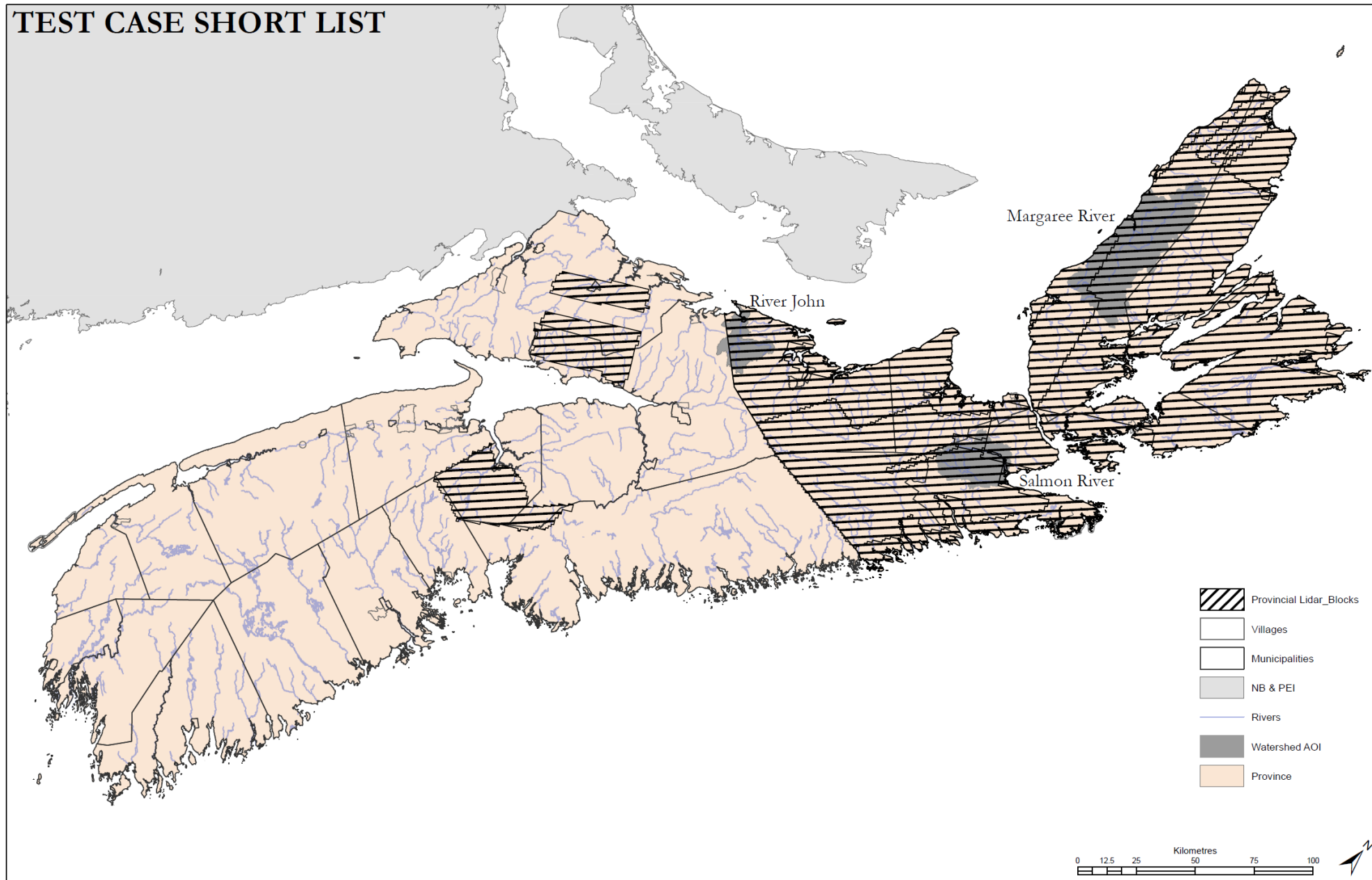


TEST CASE SHORT LIST



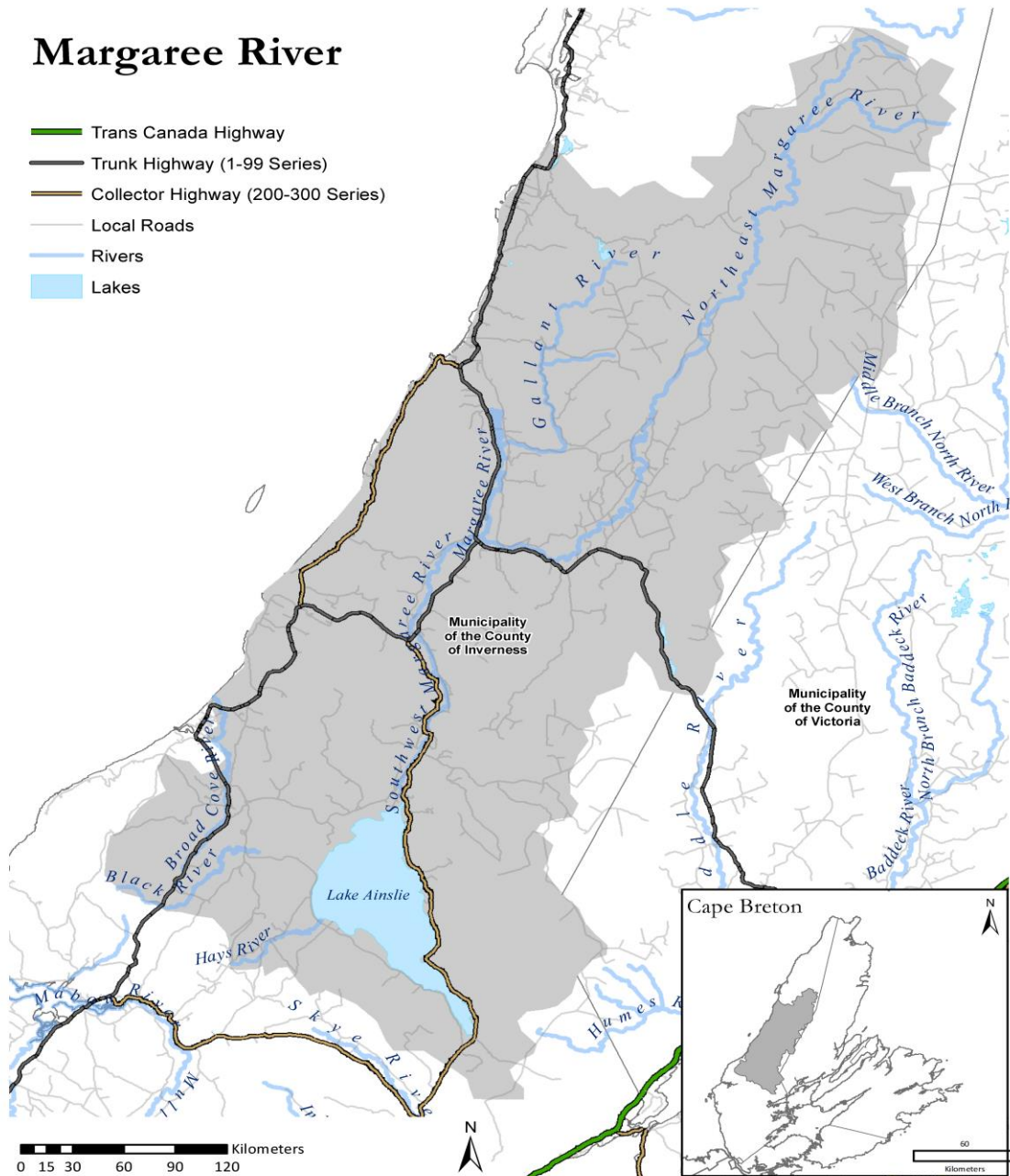
TEST CASE SHORT LIST

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Margaree River

- ▶ RFP for Flood Study - Sept 2019
- ▶ Award in Late -Oct 2019
- ▶ Project End - March 2020
- ▶ Province Funds study
- ▶ Municipal Involvement Key



Next Steps

- ▶ Finalize Participation
- ▶ Point of Contact
- ▶ Background Information for RFP

- ▶ Background/Existing Information:
- ▶ Hydraulic structure information
- ▶ Historical accounts of flooding;
- ▶ Known areas of ice jamming;
- ▶ Any river survey records;
- ▶ Aerial Photography/drone footage;
- ▶ Past studies and associated data files;
- ▶ Existing land use zoning;
- ▶ Future development land use;
- ▶ Any meteorological data (public/private);
- ▶ Coastal observations/records.

Thank You

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