



# Building Flood Resilience in Nova Scotia

Presentation to Atlantic Flood Workshop

June 14, 2018



# Presentation Outline

- Background
  - NSE-Climate Change Unit
  - Flooding challenges in Nova Scotia
  - Flood resilience examples in Nova Scotia
  - What are we learning?

# NSE-Climate

- Reduce greenhouse gas emissions in Nova Scotia



- Build Nova Scotia's resiliency to climate change



# Flood Management Challenges in NS

- Responsibility for flood management lies with a number of provincial departments and several Acts
- No requirement for municipal land use planning
- Lack of resources and capacity in government
- Effective engagement and communication to communities, and within and between government
- Technical uncertainties - which storm event? Which data set? To what risk standard?

# Examples of NS Flood Resilience Work

- Nova Scotia Flood Mitigation Framework
- Municipal Climate Change Action Plans
- Dyke Realignment and flood plain widening
- In development: Flood Plain Mapping and Coastal Protection Act

# Flood Mitigation Framework

- Provincial framework initiative from 2012 - 2017 to reduce the impacts of flooding in vulnerable NS communities
- In response to Truro floods in 2012, funding available for updating flood mapping under the Flood Risk Infrastructure Investment Program (FRIIP)



Truro 2012



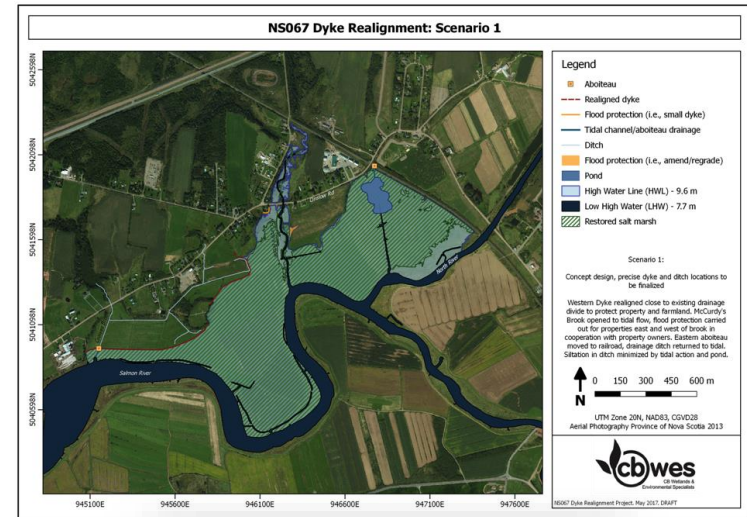
# Municipal Climate Change Action Plans (MCCAP)

- The MCCAP was a Reporting Requirement of the Gas Tax Agreement / Municipal Funding Agreement Programs.
- A description of actions, measures, practices and initiatives undertaken by the municipality in order to adapt and respond to impacts resulting from climate change.



# Dyke Re-alignment and Flood Plain Widening

- Analysis into management of dykes and other infrastructure (e.g., aboideaux)
- Developing management plans that addresses climate change challenges
- Strategic Dyke Re-alignment – collaboration between Ag, TIR, NSE
  - Reduces the amount of dyke infrastructure impacted by SLR and storm surge
  - Restore salt marsh





# In Development

- Municipal Flood Plain Mapping
- Coastal Protection Act



# What are we learning?

- Adaptation is a complex problem
- Multiple and divergent perspectives on problem and solution
- New and emerging problems, require new adaptive paths forward
- Building capacity to navigate complex problems

