

An overview of the development and implementation of the first barrier

Latornell 2025

Behnam Doulatyari

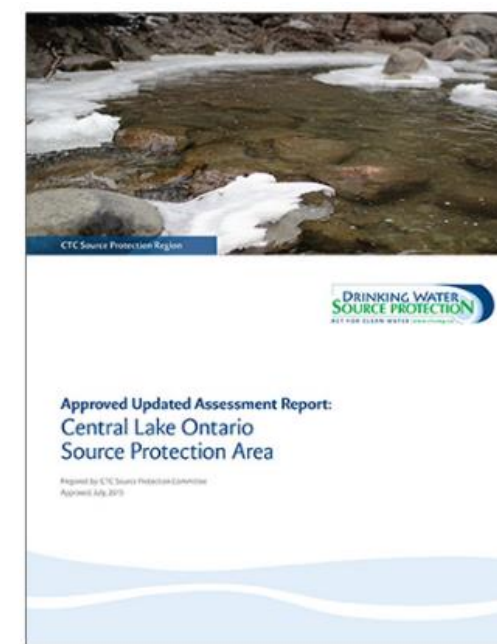
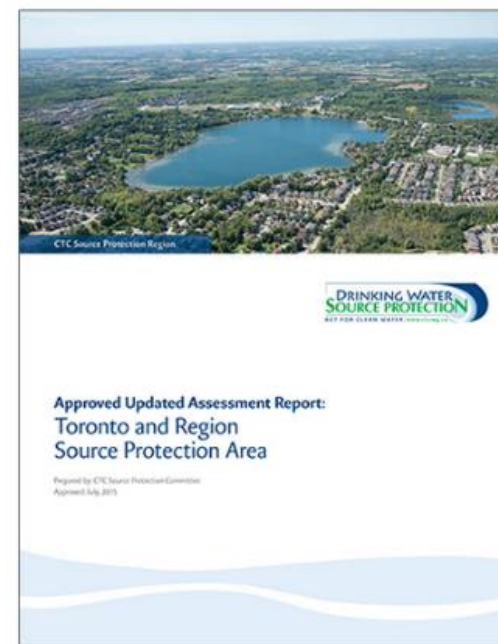
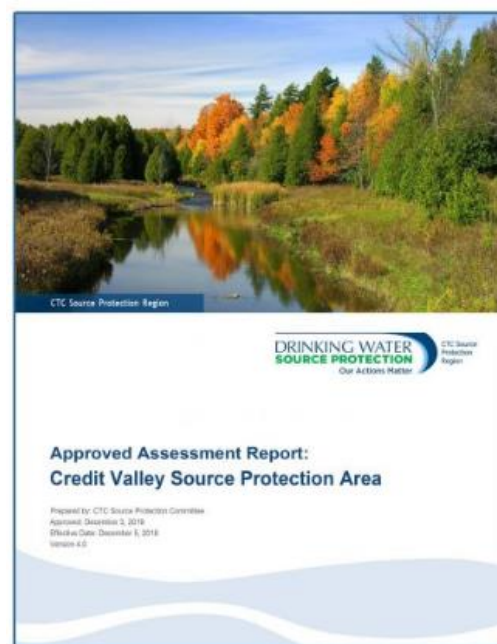
November 3rd, 2025

Clean Water Act

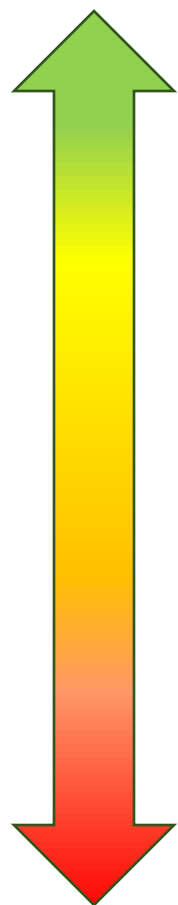
The Clean Water Act (CWA) established a **locally driven, science-based, multi-stakeholder** process to protect municipal residential drinking water sources and designated private drinking water sources. This process is meant to promote the **shared responsibility** of all stakeholders to protect local sources of drinking water from threats to both **water quantity** and **water quality**.

CTC Source Protection Region

- One Source Protection Plan (and Explanatory Document)
- Three Assessment Reports



Clean Water Act



Less
restrictive

- Education and Outreach
- Incentive Programs
- Other
- Land Use Planning Approaches

More
restrictive

- Prescribed Instruments
- Risk Management Plans; Interim RMPs
- Prohibition
- *Restricted Land Uses – only with RMP
and Prohibition*

CWA New - Part IV Powers

Early Stage – Building The Framework



Science-
Based
Foundation

Locally
Driven Policy
Approach

Awareness &
Engagement

Building
Capacity

Accomplishments

“fundamentally a very cool program”

- Provincial investment in technical development
- Empowering stakeholders to set policy
- People affected by the policies developed local plans
- A well-established policy framework, accepted by stakeholders
- Risk Management Plans
- Source Protection Committees

Challenges & Opportunities

Resilience: Program's ability to continue fulfilling its mandate under changing conditions

Program Scope

Complexity

Keeping Up With Growth

Education & Outreach

Stakeholder Engagement

Legislative & Regulatory changes

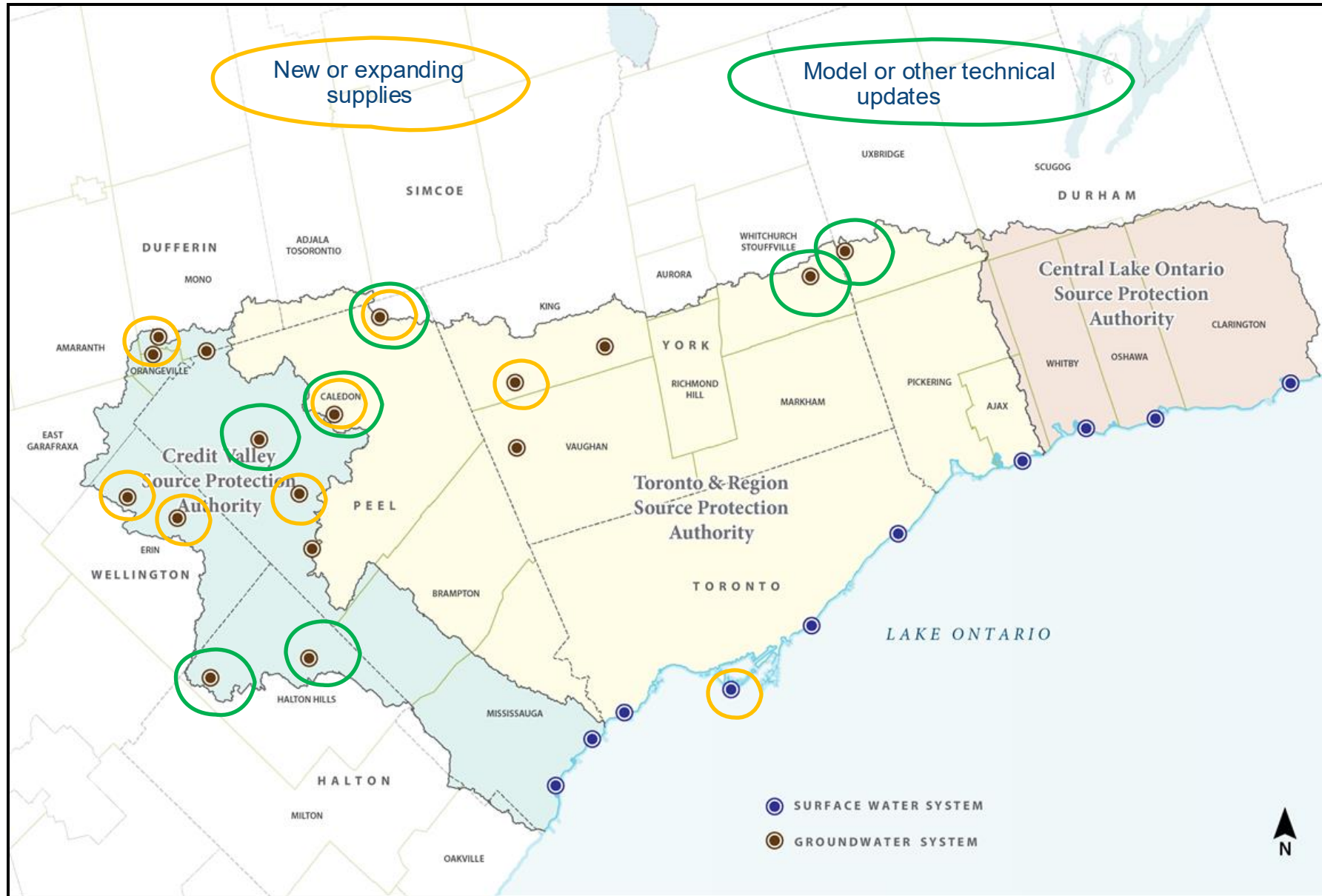
Maintain Institutional Capacity

Maintaining Science-based Decision-Making

Financial Sustainability

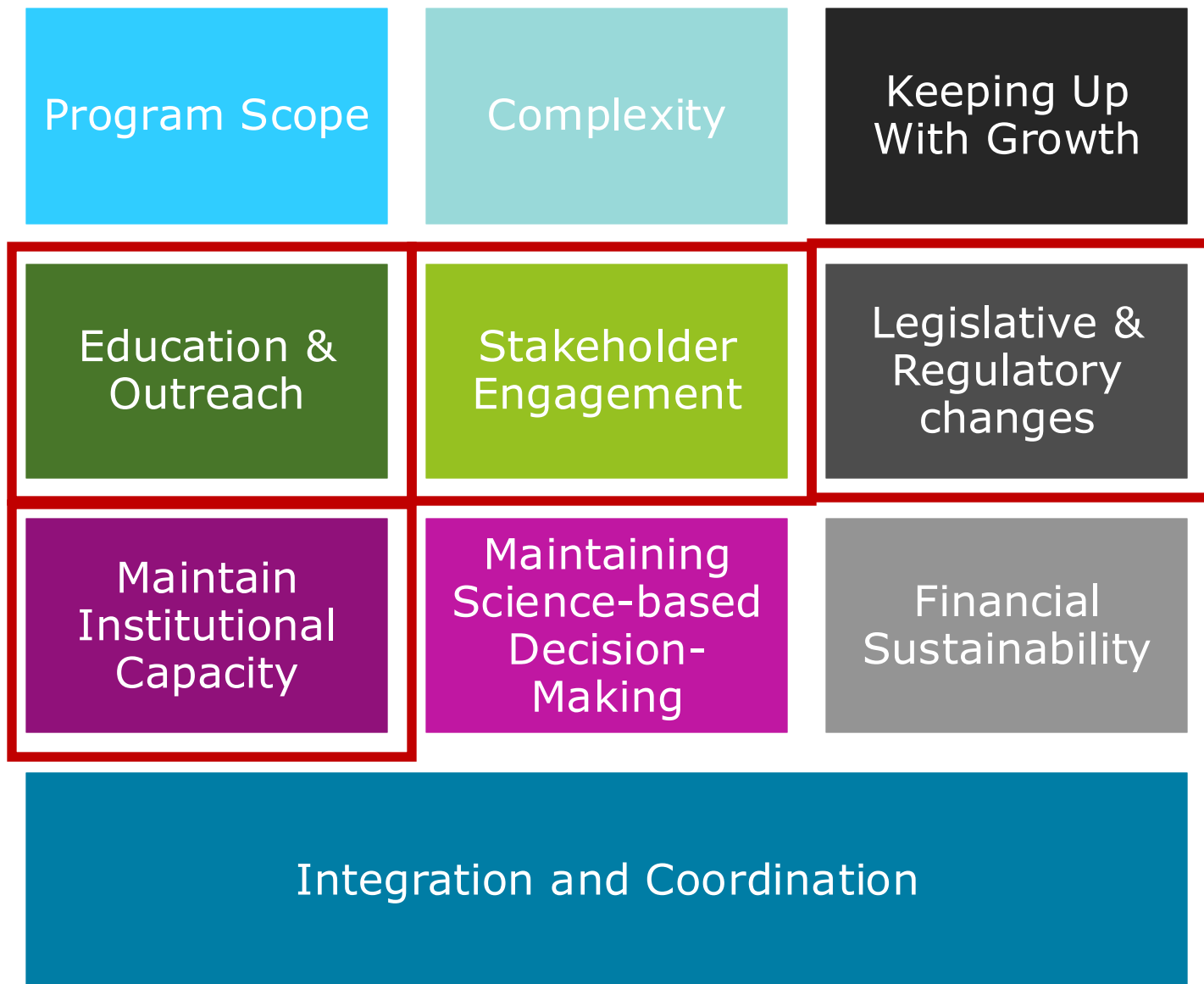
Integration and Coordination

CTC Municipal Systems



Challenges & Opportunities

Resilience: Program's ability to continue fulfilling its mandate under changing conditions



CTC Drinking Water Source Protection Program



Program Manager
Coordinator
Technical (P.Geo, P.Eng)
GIS/Info Management
Planning

Technical (P.Geo, P.Eng)
GIS/Info Management
Planning

Technical (P.Geo, P.Eng)
GIS/Info Management
Planning



Challenges & Opportunities

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Integration and Coordination



We all drink the same water, and a clean glass of water starts long before you turn on the tap.

Questions?
