EXPLORING COLLABORATIVE SOURCE WATER PROTECTION PLANNING BETWEEN FIRST NATIONS AND MUNICIPALITIES

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ABOUT ME…

- Masters candidate in *Rural Planning and Development* in the School of Environmental Design and Rural Development

- BA in Environmental Governance

- URA, Dr. Longboat, 2015, First Nations water rights in Canada

- URA, Dr. Longboat in 2017, *water security planning project with Chippewas of the Thames First Nations* (Deshkan Ziibing).
PRESENTATION OUTLINE

- Water Security defined
- First Nation water context
- Thesis
- Literature Gap
- Research goals
- Case Study
- Research Methods
WATER SECURITY

ECOSYSTEM HEALTH  WATER SECURITY  HUMAN HEALTH
To What Extent?

34% Don’t Meet CGDWQ
27% Under BWA
39% High-Risk Systems

CGDWQ: Canadian Guidelines for Drinking Water Quality
BWA: Boil Water Advisories
High-Risk: Means unequipped to deal with the infiltration of a pollutant
How collaborative source water protection planning involving First Nations, municipalities, and conservation authorities can act as an avenue for enhancing water security on-reserves in southwestern Ontario.
THE APPROACH

• Multi-barrier approach – integrated system to prevent contamination
• Source water protection (SWP) planning
  – Independent SWPs
WHAT ARE WE MISSING?
Collaboration Between First Nations, Municipalities, And Conservation Authorities
OBJECTIVES

1. Assess attitudes, opinions, experiences towards collaboration
2. Identify and investigate collaborative approaches for how they may contribute to community source water protection
3. To generate recommendations towards source water protection planning processes and how to realize the outcomes we aim for
CASE STUDY

- Chippewas of the Thames First Nation
- Upper and Lower Thames, and St. Clair Conservation Authorities
- City of London
# Research Methods

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<th>Stage</th>
<th>Primary Activity</th>
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| Research Design and Engagement             | ✓ Literature Review  
✓ Strengthen relationship with communities  
✓ Complete REB                                                                                 |
| Data Collection and Analysis               | ✓ 20-25 interviews with key informants  
✓ Transcribe interviews  
✓ Code interviews with NVivo software  
✓ Content analysis strategy  
✓ Identify common themes                  |
| Validation and Knowledge Mobilization      | ✓ Present to COTTFN  
✓ Present research at conferences  
✓ Publish policy paper                     |
THANK YOU FOR LISTENING

Questions? Comments?