# Do Water Sharing Arrangements Improve Drinking Water Quality?

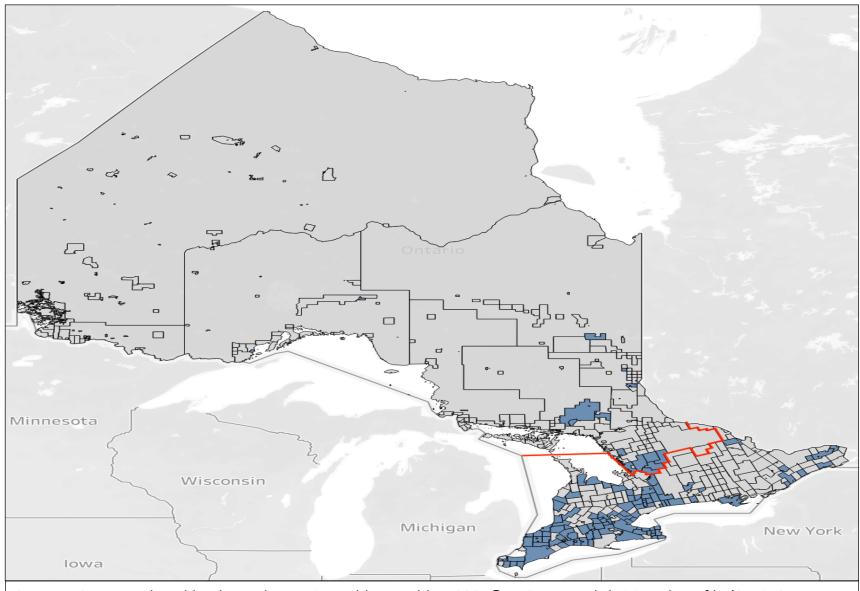
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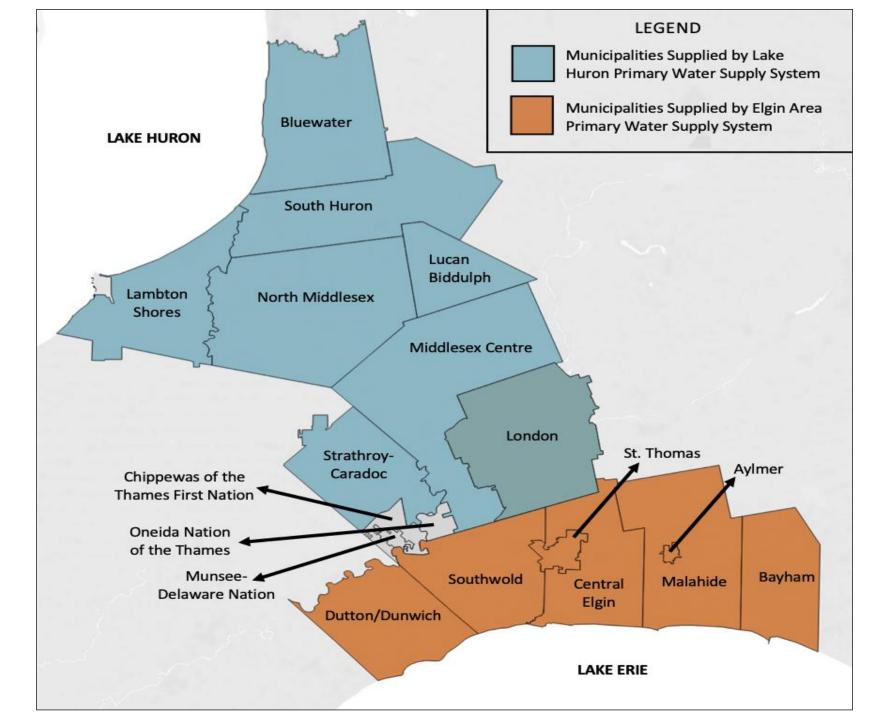
# **Drinking Water Concerns**

- Longstanding<sup>1</sup>
  - In Canada 1-in-8 First Nations communities are under boil water advisory at any given time.
  - Rate of water-borne infections in First Nation communities is 26x the national average.

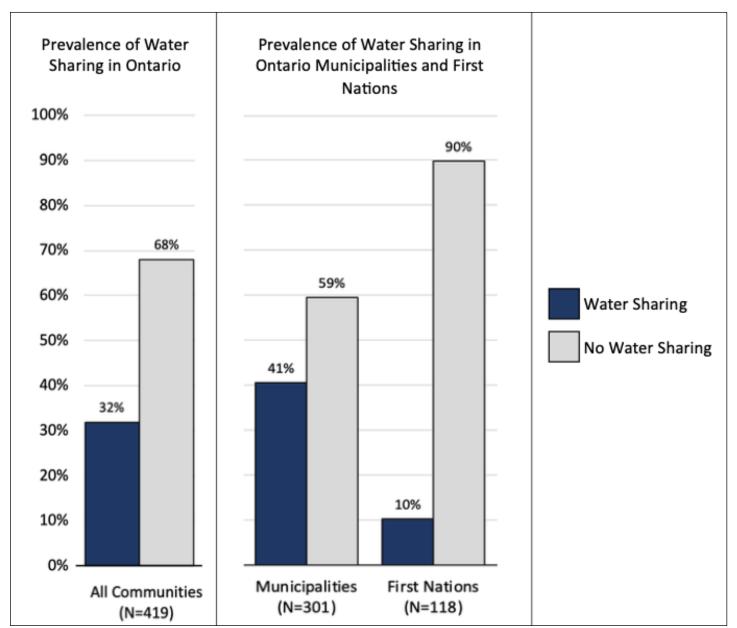
### Water Sharing Arrangements (WSAs) in Ontario (2009/10)



**Source:** Figure produced by the authors using Tableau Public v2021<sup>©</sup>, a Census subdivision shapefile (Statistics Canada 2019), Neegan Burnside (2011), Stager (2011) and municipal documents/contacts.



# Variation in Water Supply in Ontario First Nations and Municipalities (2009-2010)



#### Summary of DWA Prevalence for WSA and non-WSA water Systems – All Data, Municipal Systems, First Nations Systems (2009-2010)

