

# Understanding your local water source

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Elaine Ho | March 19, 2019

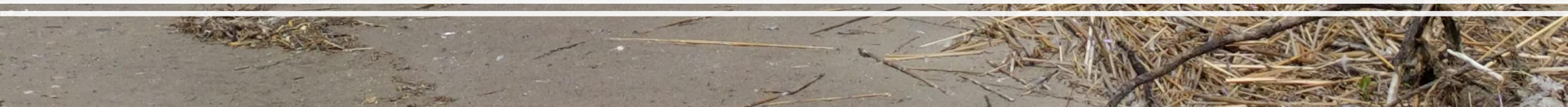
Great Art for Great Lakes  
Norfolk Information Session







Lake Erie





Name comes from Iroquois name *erielhonan* ('long tail')

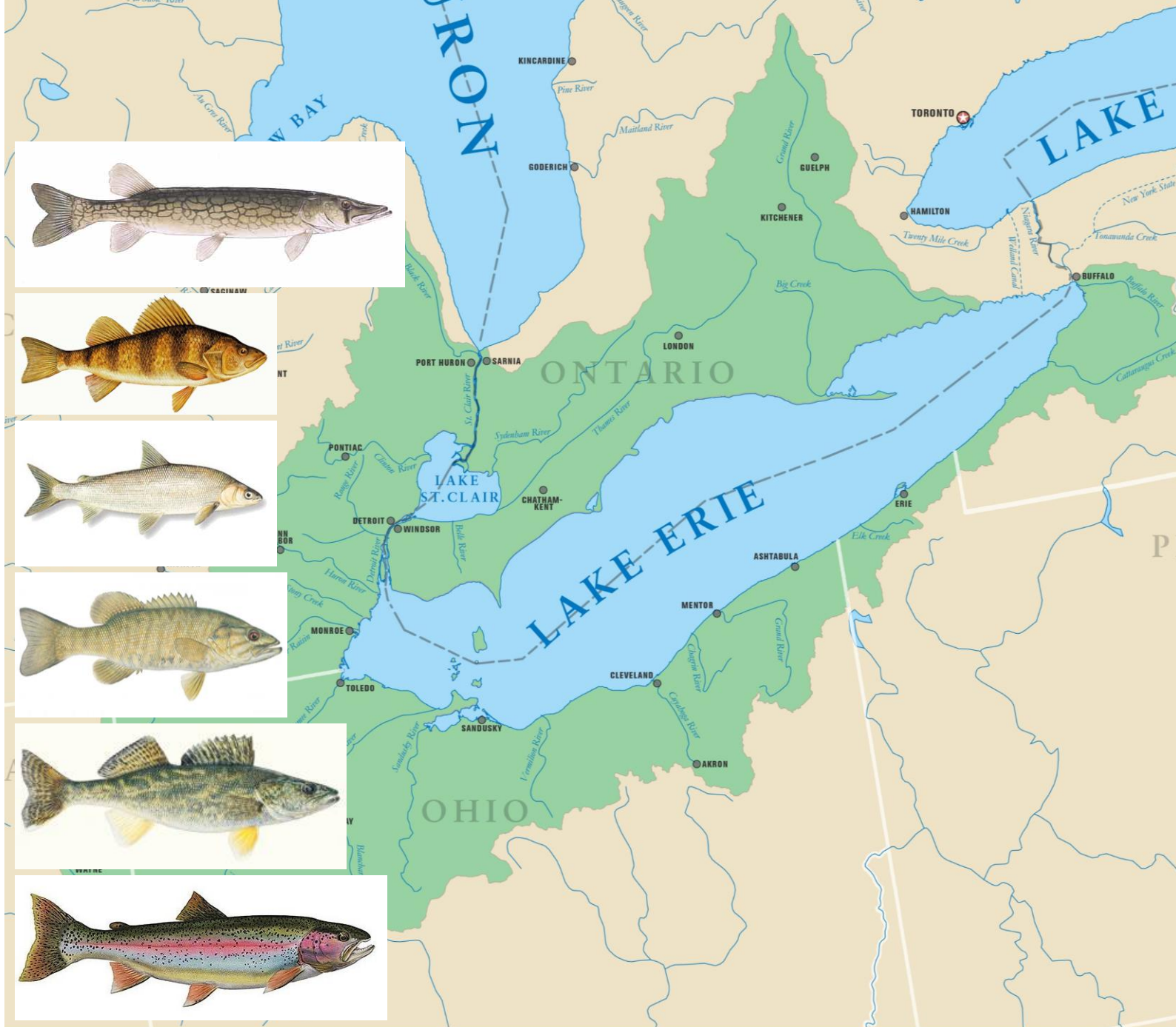
Smallest Great Lake by volume (ave. depth 62')

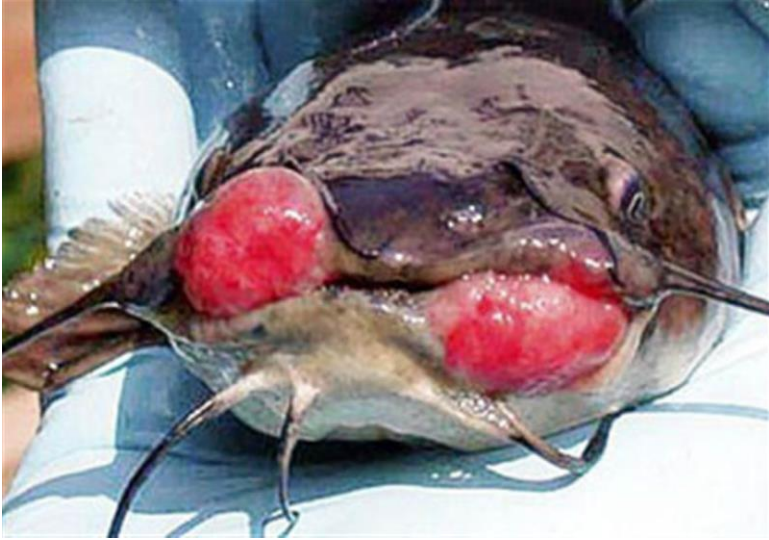
Largest freshwater commercial fishery in the world – about 4 million fish – supporting 800+ jobs

- Yellow perch, whitefish, pickerel... >\$240 million fish value, \$50 million for boats, ~\$200 million fish processing
- Majority in Canadian waters

Recreational fishery attracts anglers from around the world

- Walleye, rainbow trout, bass, yellow perch...
- >\$400 million economy





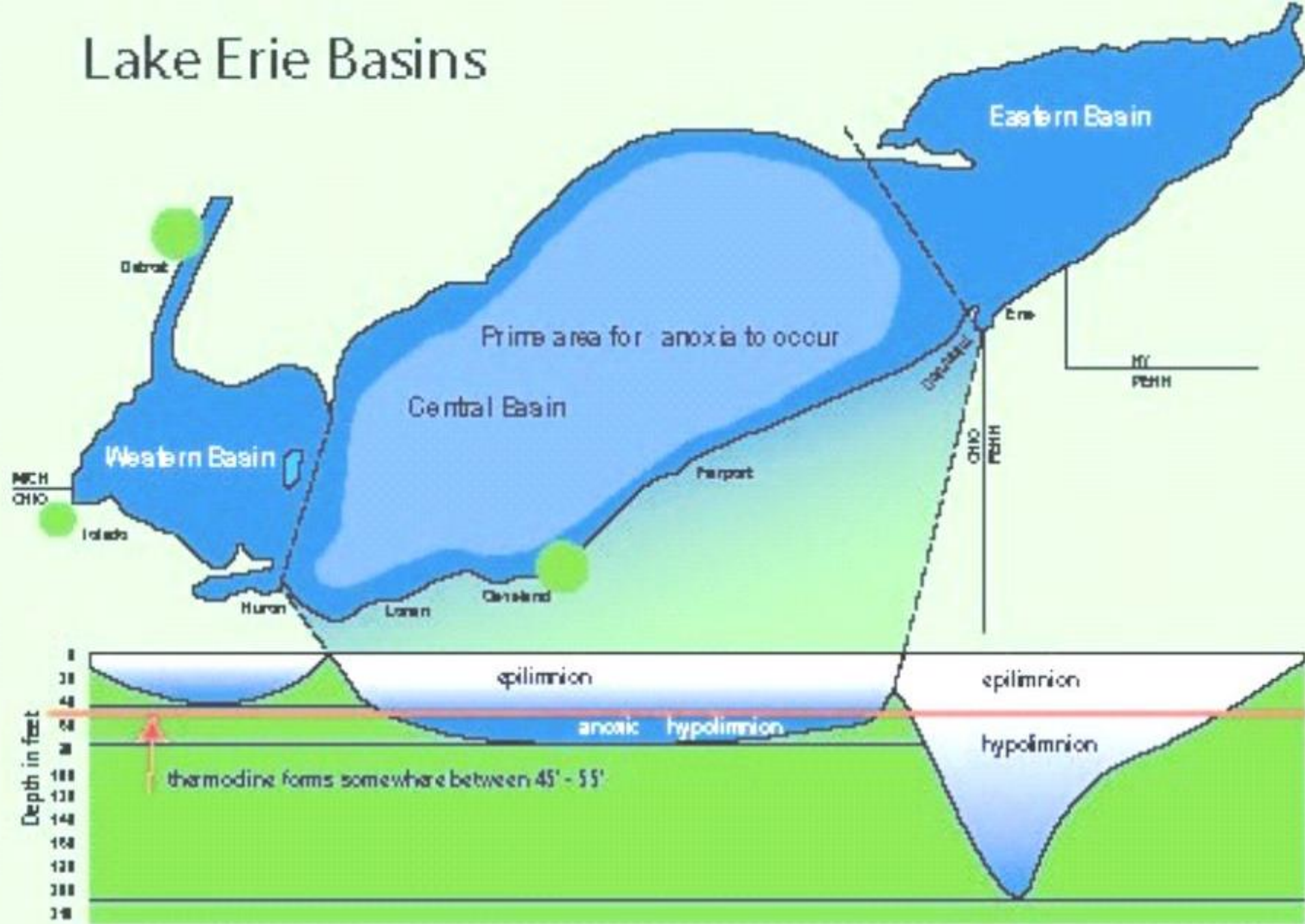
# Erie's big issues

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- Algae and nutrients
- Asian Carp and invasive species
- Water levels (nearshore flooding)
- Changing weather
- Economic impacts (especially fishery)
- Contamination/pollution



# Lake Erie Basins

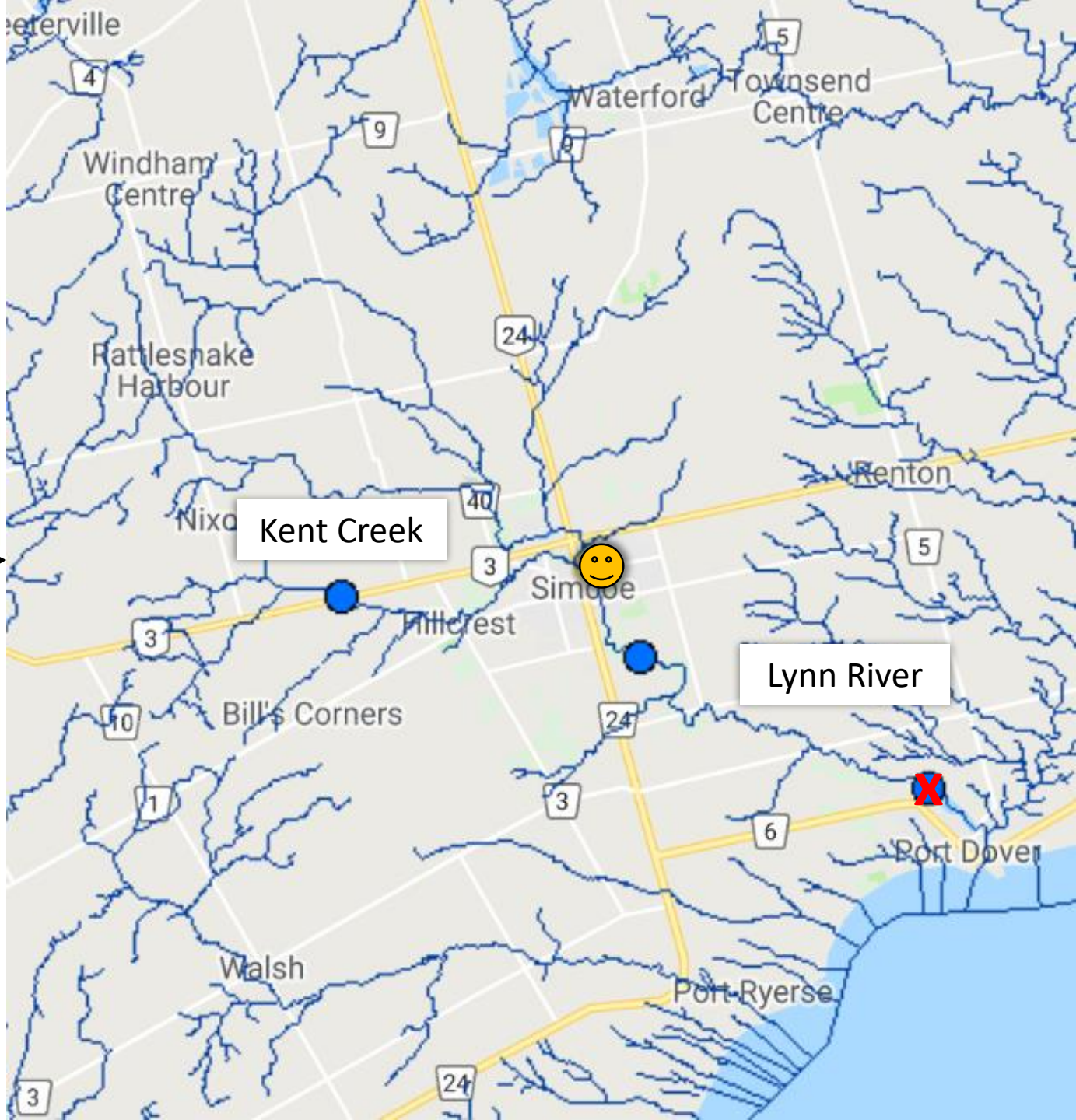
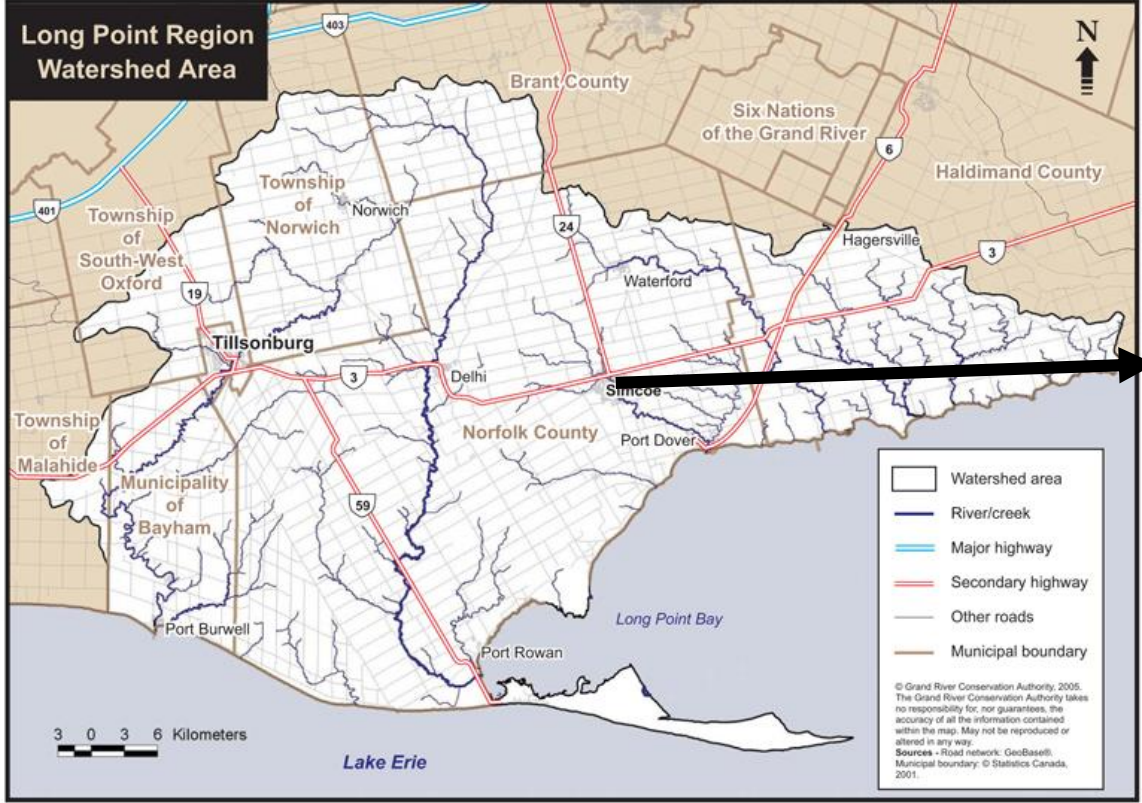




Do you know...

...the name of the nearest river?





# Do you know...

...Where Norfolk's drinking water comes from?





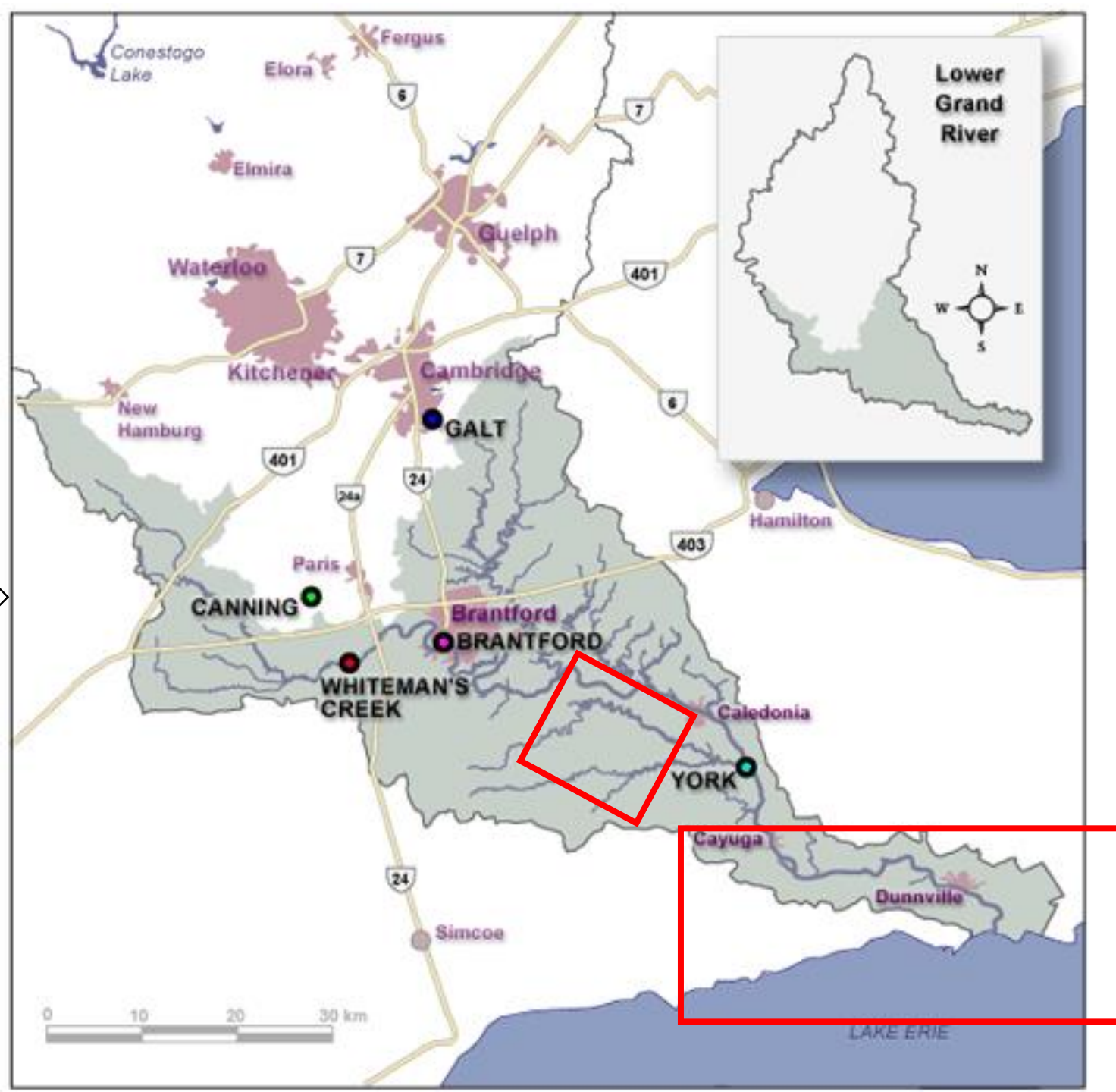
- **Delhi:** 2 wells + surface water intake, provides drinking water to the communities of Delhi and Courtland.
- **Port Dover:** surface water intake (Lake Erie).
- **Port Rowan:** surface water intake (Lake Erie), provides drinking water to the communities of Port Rowan and St. Williams, as well as the Booth's Harbour Private Drinking Water System.
- **Simcoe:** 8 wells + infiltration gallery + 2 reservoirs.
- **Waterford:** 2 wells.





Research







Aquatic laboratory



Invasive species



## Other research

Bobolink recovery



Lake Sturgeon recovery







# Normandale Fish Culture Station



# Long Point Bird Observatory

