

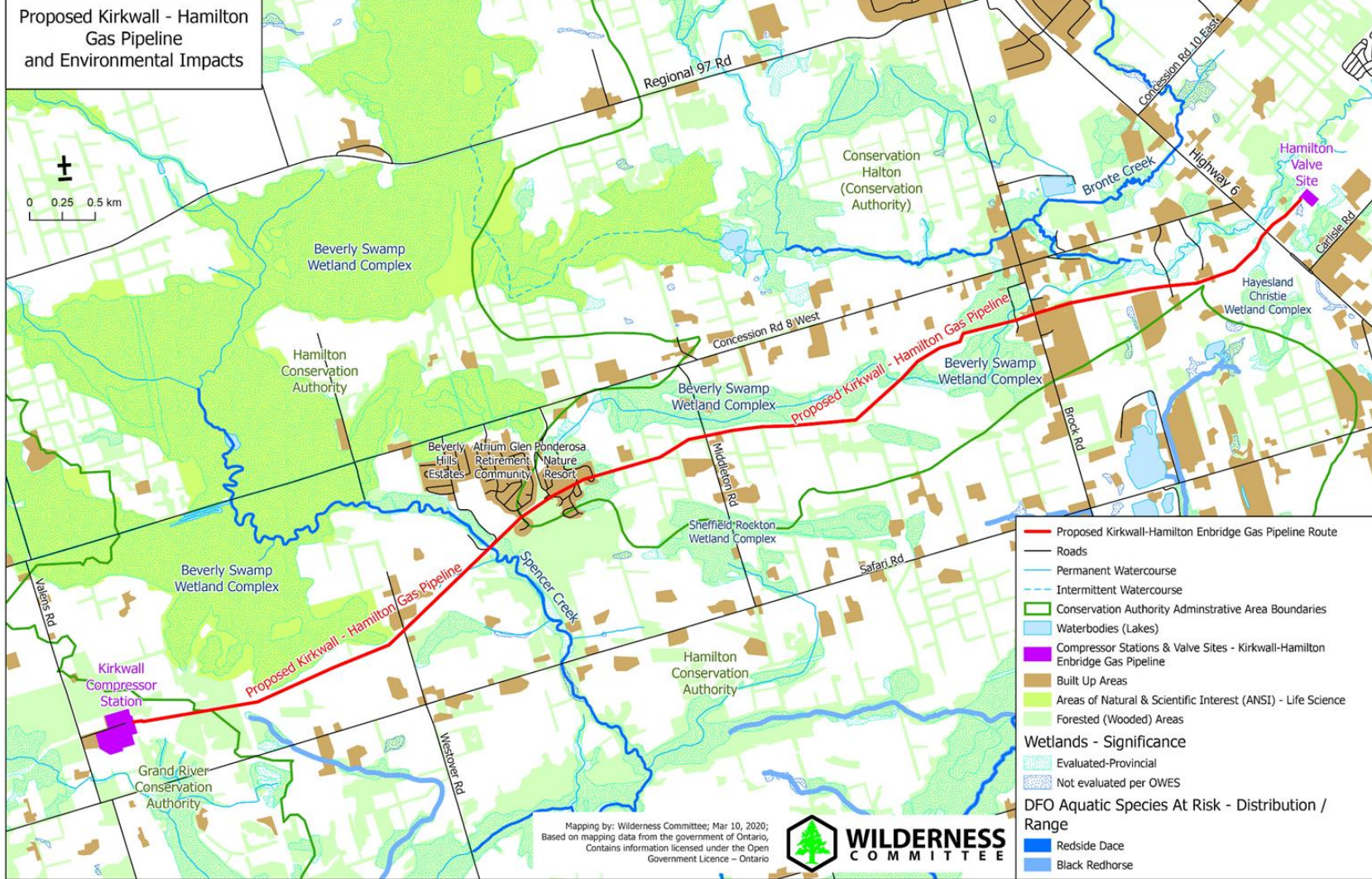
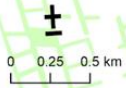
Ecological Impacts

Enbridge Dawn Parkway Pipeline Expansion



WILDERNESS
C O M M I T T E E

Proposed Kirkwall - Hamilton Gas Pipeline and Environmental Impacts



- Proposed Kirkwall-Hamilton Enbridge Gas Pipeline Route
- Roads
- Permanent Watercourse
- Intermittent Watercourse
- Conservation Authority Administrative Area Boundaries
- Waterbodies (Lakes)
- Compressor Stations & Valve Sites - Kirkwall-Hamilton Enbridge Gas Pipeline
- Built Up Areas
- Areas of Natural & Scientific Interest (ANSI) - Life Science
- Forested (Wooded) Areas
- Wetlands - Significance**
- Evaluated-Provincial
- Not evaluated per OWES
- DFO Aquatic Species At Risk - Distribution / Range**
- Redside Dace
- Black Redhorse

Mapping by: Wilderness Committee; Mar 10, 2020;
Based on mapping data from the government of Ontario,
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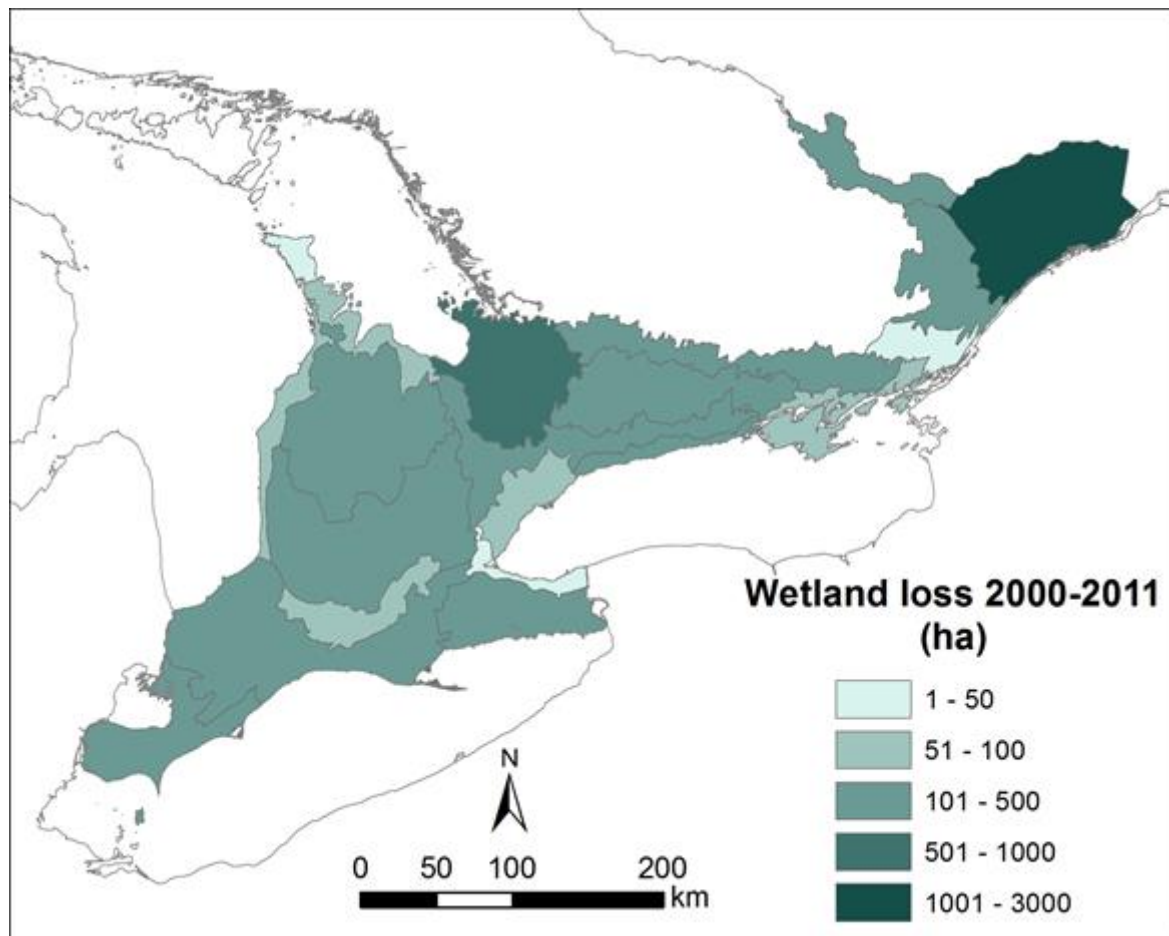
Proposed Kirkwall - Hamilton Gas Pipeline and Environmental Impacts



Beverley Swamp and Spencer Creek PSWs



- Beverly Swamp covers 2,300 hectares/ 920 hectares are owned by the Hamilton Conservation Authority.
- one of largest natural swamps in SW Ontario. Waters flow south into 3 creeks, including Spencer Creek.
- Vital ecological/climate function, acting as a great sponge for the watershed.
- Contains a rich diversity of plant and animal life, 25+ potential species at risk



Construction Impacts



- Right of way for pipeline would be increased from 12 m to 28 metres in width
- Equal to eight lane roadway.



Trench for the new pipe will be 2.5 metres deep and may require bedrock excavation “by means of a hoe-ram and/or blasting”--“noise, vibration, fly rock damage and dust may impact wildlife, residences, water wells and businesses.”

Disturbance to “overburden” may cause soil erosion and watercourse sedimentation during construction and post-construction, particularly in areas of steep slopes.



- The main branch of Spencer Creek contains records for Redside Dace (DFO 2019)
- Endangered under the provincial ESA and federal SARA and therefore receives protection under these Acts



Federal Permits and Approvals

Review/authorization under Fisheries Act (1985)	Fisheries and Oceans Canada (DFO)	DFO review and possible Fisheries Act authorization is required at watercourse crossing containing species protected under the Species at Risk Act (SARA) (2002).
Permitting under the SARA (2002)	DFO	SARA permit is required to capture, handle and relocate SARA Schedule 1 fish or mussel species during construction
Clearing of Vegetation under the Migratory Bird Convention Act (MBCA) (1994)	Environment Canada	No permit necessary; precautions need to be taken so no breeding birds or nests are harmed or destroyed during bird nesting season.

Provincial Permits and Approvals

<p>Public Work Class Environmental Assessment</p>	<p>Infrastructure Ontario</p>	<p>may be required for easements on lands managed by IO.</p>
<p>Development Permits under Conservation Authorities Act (1990)</p>	<p>Conservation Halton Grand River Conservation Authority Hamilton Conservation Authority</p>	<p>Permits required for works within CA Regulated Areas, including shorelines, watercourses, wetlands and hazardous lands (flooding and erosion hazards, and unstable soils and bedrock).</p>
<p>Permit to Take Water (PTTW) or Environmental Activity and Sector Registry (EASR) (surface and groundwater) under the Ontario Water Resources Act (1990)</p>	<p>Ministry of the Environment, Conservation and Parks (MECP)</p>	<p>MECP requires a PTTW for dewatering in excess of 400,000 L/day, and an EASR for dewatering between 50,000 and 400,000 L/day.</p>

<p>Permitting or registration under the Endangered Species Act (ESA) (2007)</p>	<p>MECP</p>	<p>ESA permit or Registration is required for activities that could impact species protected under the ESA. Consultation will occur with MECP to determine ESA permitting requirements.</p>
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Municipal

<p>Noise Control By-Law 11-285</p>	<p>City of Hamilton</p>	<p>Project activities should adhere to the local noise by-law.</p>
<p>Tree on Public Property By-Law 15-125</p>	<p>City of Hamilton</p>	<p>Project activities that may require tree removal should meet the intent of the tree cutting bylaw.</p>
<p>Trees on Private Property in Rural Area Regional By-Law</p>	<p>Hamilton-Wentworth</p>	<p>Project activities that may require tree removal should meet the intent of the tree cutting bylaw.</p>

Power of Conservation Authority?

Not in conservation authorities' mandate to object to oil, gas, mining projects

BUT: Hamilton Conservation Authority (HCA) owns part of the land, meaning in addition to obtaining a permit to develop, Enbridge would need an increased easement along HCA-owned lands

In early Feb, HCA board advised Enbridge (and OEB) they oppose the easement request pending the results of an independent, peer reviewed ecological study

That study won't happen until after OEB approval

Need to support Hamilton Conservation Authority!

Pipeline opposition in New York and New England

We Are Winning This Fight': NY Gov. Cuomo Announces Opposition to Fracked Gas Pipeline

Wednesday, September 25, 2019 by [Common Dreams](#)

[New York's Williams Pipeline is denied \(but not dead\) | Grist](#)

[grist.org](#) › May 16, 2019 - **New York** denied the **pipeline** a permit it needed to begin construction.

Despite Recent Victories, New York Natural Gas Pipes Still Facing Fierce Opposition

[Jamison Cocklin](#) March 27, 2019

Raise awareness of and opposition to Ford governments attack on environmental laws and regulations as “red tape”

Bill 108--“More Homes More Choice”

- gutted Endangered Species Act
- easier for sprawl developers to pave over farmland, forests and wetlands.
- Proposed limiting Conservation Authorities’ powers to protect Ontario’s watershed, cut funding for flood hazard prevention in half.

Bill 132--weakened penalties to environmental polluters




<https://www.wildernesscommittee.org/take-action/tell-doug-ford-ontario-not-sale>

<https://www.wildernesscommittee.org/take-action/gas-pipeline-proposal-pits-ontario>

<https://www.wildernesscommittee.org/take-action/protectconservationauthorities>

Recent Explosions on Enbridge Gas Pipelines...



Kentucky, August 2019



Ohio, Jan 2019



Lheidli T'enneh First Nation (outside Prince George BC) Oct. 2018