

Carbon Sequestration and Biodiversity Management Program



SOLEC 2000

Steve Hounsell

Ontario Power Generation

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Driving Force Behind Program

- 📖 Biodiversity - restoration of forest in southern Ontario
- 📖 Management of greenhouse gases (CO₂)
- 📖 Multiple benefits of program were compelling.

Program Goals

- 📖 Plant 1.6 million native trees and shrubs over next 5 years in southern Ontario;
- 📖 Program directly linked to making tangible progress on greenhouse gas management and the conservation of biodiversity.

What Makes this Program Different?

- 📖 Targets regional scale forest habitat restoration, bulking up key forests and establishing habitat corridors.
- 📖 Responsive to habitat needs of wildlife that are vulnerable to woodland habitat loss and fragmentation.
- 📖 Directed towards enhancing vital ecological services on the landscape.

Project Criteria - a Framework for Success

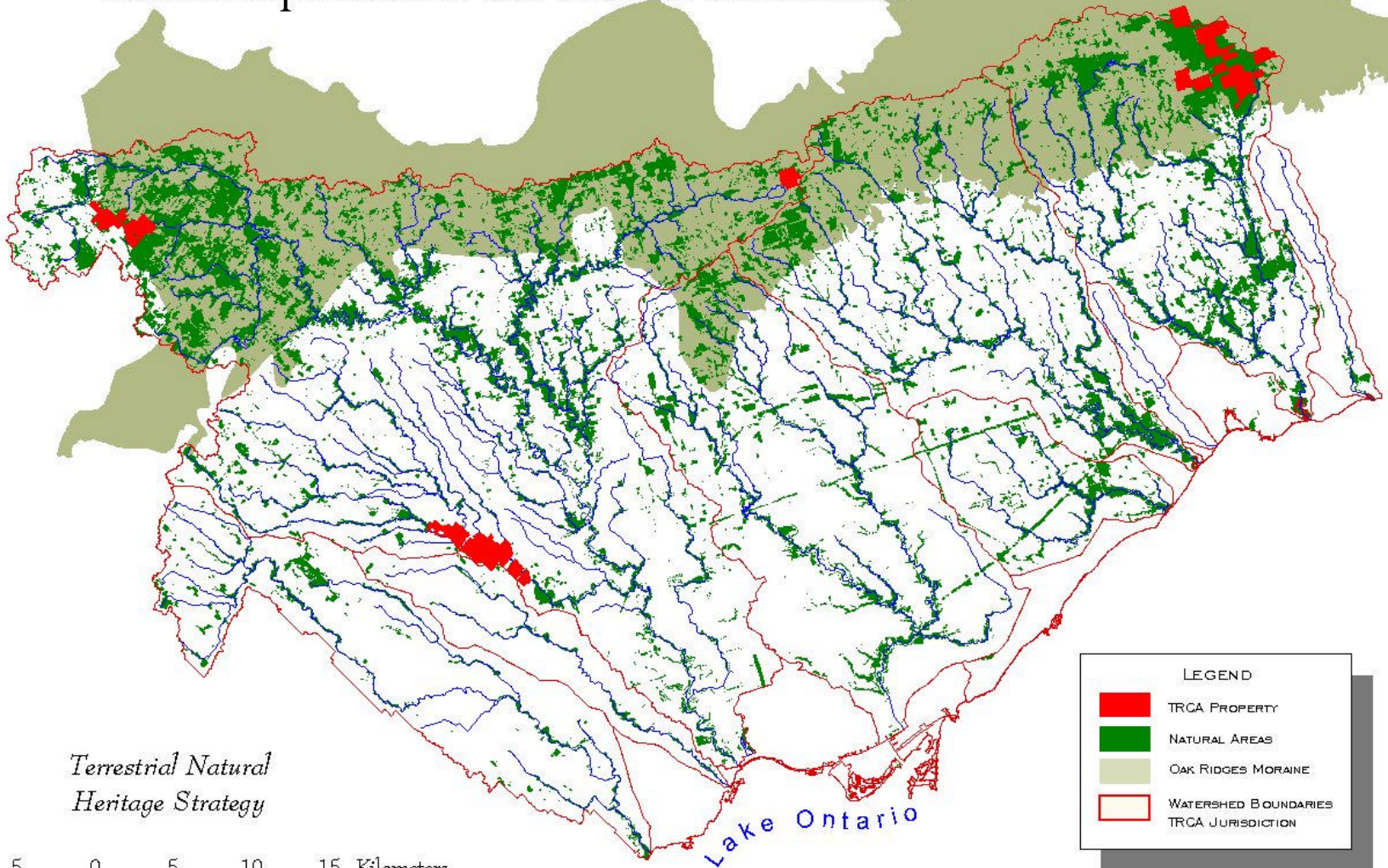
- 📖 Must be in southern Ontario.
- 📖 Use appropriate native plant stock.
- 📖 Address regional scale habitat restoration priorities.
- 📖 Identify biodiversity objectives and measures.
- 📖 Assure protection of land base for forest maturation

Project Criteria - a Framework for Success

- 📖 Assure additionality of forest.
- 📖 Assure on-going management and monitoring within an adaptive management framework.
- 📖 Include opportunities for local stewardship involvement, ownership and education.
- 📖 Build lasting partnerships.

TRCA/OPG

Carbon Sequestration and Habitat Restoration



*Terrestrial Natural
Heritage Strategy*

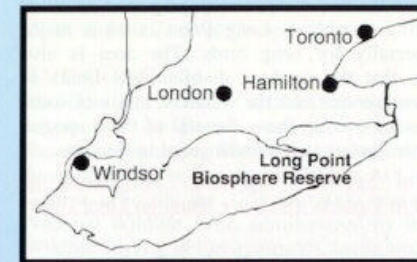
5 0 5 10 15 Kilometers

LEGEND	
	TRCA PROPERTY
	NATURAL AREAS
	OAK RIDGES MORAINÉ
	WATERSHED BOUNDARIES TRCA JURISDICTION

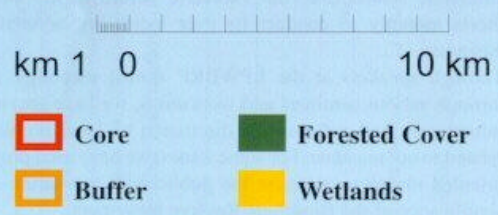
**Map of the Long Point World
Biosphere Reserve**






Proposed Fall 2000-Spring 2001
OPG Carbon Sequestration-Restoration Sites



LEGEND



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-  Forest Biodiversity Monitoring Plots
-  Forest Corridor Restoration Sites
-  Roads

- ① Long Point Region Conservation Au-
- Backus Woods
- ② St. Williams Crown Forest
St. Williams Tract
- ③ St. Williams Crown Forest
Turkey Point Tract
- ④ Big Creek Flood Plain


Future Work:

- 📖 1.4 million trees and shrubs yet to be planted;
- 📖 Several new partnerships emerging, as well as building on existing ones;
- 📖 Genuine excitement about the possibilities and benefits.

Challenges:

- 📖 Availability of genetically appropriate native plant material to meet demand;
- 📖 Permanence - availability of lands in appropriate locations for long term restoration.

Opportunity

 Development of market incentives to attract industry into investing in large scale habitat restoration projects that will also address their business need to offset carbon emissions.

Summary

📖 Exemplifies how industry can act as a catalyst for the enhancement of long-term ecosystem health.