



Baseline Connectivity Mapping for the KNC Landscape



Southern Ontario

Scale 1:5,500,000

Legend

Scale 1:175,000

Connectivity Components

Connectivity Components	Base Features
Cores Areas	Barriers
Aquatic Cores	Urban Areas and Subdivisions
Terrestrial Cores	Rural Homesteads
Terrestrial Core Enhancement Zones	400 Series Highways
Potential Terrestrial Cores	Other
Corridors	Roads
Corridor Pathways	Hydro / Communication Line
Corridors	Persistent Watercourses
Corridor Zones	Intermittent Watercourses
Linkages	Waterbodies
Riparian Linkage Pathways	Natural Cover
Riparian Linkages	
Connected Areas	
Adjacent KNC Selected Areas	

Map Description

The objective of this mapping is to delineate areas that connect or, through restoration, have the potential to connect; the areas identified under the KNC Preferred Scenario. For more information about the KNC Preferred Scenario, please see *The Kawarthas, Naturally Connected - A Natural Heritage System for the Kawarthas Lakes Region, Phase 1 Project Report, 2013*.

Consistent with the *Natural Heritage Reference Manual, Second Edition, OMNR, 2010*, the *SignPoint Wildlife Habitat Technical Guide, OMNR, 2000* and input from wildlife and landscape ecology specialists, criteria were developed that allocated the areas identified under the KNC Preferred Scenario, into a connected system of:

- Aquatic Core Areas** – these include large lakes, > 20 ha in size and river segments > 60m wide.
- Terrestrial Core Areas** – these include the least fragmented of the KNC selected areas that are at least 500 m wide.
- Core Area Enhancement Zones** – these areas represent opportunities to expand and enhance the Terrestrial Core Areas through restoration, where KNC selected areas are more fragmented.
- Potential Core Areas** – these areas represent opportunities to build entirely new Terrestrial Core Areas through restoration, where KNC selected areas are more fragmented.
- Corridors** – these areas connect or have the potential to connect, through restoration, terrestrial and/or aquatic Core Areas together, utilizing as much of the KNC selected areas between Cores as stepping stones.
- Riparian Linkages** – these areas connect or have the potential to connect through restoration, terrestrial and/or aquatic Core Areas together along riparian systems and may also serve as supporting connections between Corridors.
- Adjacent KNC Selected Areas** – these consist of less fragmented KNC preferred scenario selected areas that are located within 100m of any of the other connectivity components described above.

This mapping is provided as a reference to facilitate and support subsequent analysis, mapping and reporting needs in order to inform decisions regarding, for example:

- The identification of strategic restoration and stewardship opportunities
- Land use planning and policy development
- Priorities for conservation land acquisitions
- Development proposal impact assessments
- Climate change adaptation strategies

This mapping in no way represents decisions concerning land use or land use policy. In addition, it is essential that the boundaries delineated on this map be verified using the most recent orthorectified imagery available in conjunction with field visits and any adjustments made to boundaries as appropriate, in particular, prior to any policy and/or resource commitments that may be considered through the use of this map. For additional information or support with this mapping, please contact Steve Voros, Regional Analyst, Resource Information and Analysis Unit, Ministry of Natural Resources and Forestry via phone at (705) 755-3213 or email at steve.voros@ontario.ca, (705) 755-3213.

Map Notes

This map is illustrative only. Do not rely on this map for legal administrative purposes. Do not rely on it as being a precise indicator of routes, locations of features, or as a guide to navigation. This map may contain cartographic errors or omissions.

The thematic data on this map has been designed to meet the needs of individuals with a colour vision deficiency. Both colour and pattern have been used to distinguish each of the Connectivity Components.

Map data compiled from various sources
 Projection: NAD 83 Lambert Conformal Conic
 Datum: GCS North American 1983
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