

Study Site GR-06

Durham Oak Grove

Municipality Town of Grimsby

Formerly Durham Oak Grove

Approximate Area 112 hectares

Watershed This study site flows to the Spring Creek subwatershed.

Ownership Mostly private

General Summary

This study site is located on the border of Lincoln and Grimsby. It is south of Mud Street and north of Dobrindt Road. It is bordered on the west by South Grimsby Road 3 and on the east by Zimmerman Road.

Physical Description

This natural area is situated on the flat, poorly drained, clay and silty clay soils of the Haldimand Clay Plain. It is underlain by the dolostone of the Lockport Formation.

Soils

Soil Type	Percentage of Study Site
ALLUVIUM	1.56
BROOKE - VERY SHALLOW PHASE	1.90
CHINGUACOUSY	17.64
CHINGUACOUSY - LOAMY PHASE	1.74
CHINGUACOUSY - WASHED PHASE	2.82
FARMINGTON	0.43
FARMINGTON - SHALLOW PHASE	0.11
FARMINGTON - VERY SHALLOW PHASE	0.44
FRANKTOWN - VERY SHALLOW PHASE	0.15
JEDDO	2.74
MALTON	0.09
ONEIDA - WASHED PHASE	1.32
PEEL	0.09
TAVISTOCK	0.04
TOLEDO	68.90
TOLEDO - LOAMY PHASE	0.04
WATER	0.00
NOT MAPPED	0.00
Total %	100.00

Ecological Land Classification

Summary

The Deciduous Forest community noted for this site is dominated by Sugar Maple (*Acer saccharum ssp. saccharum*) with Bitternut Hickory (*Carya cordiformis*), Swamp White Oak (*Quercus bicolor*), and Basswood (*Tilia americana*).

The understory was largely the same as the canopy with Hop Hornbeam (*Ostrya virginiana*), Black Cherry (*Prunus serotina*), White Ash (*Fraxinus americana*), and Prickly Ash (*Zanthoxylum americanum*) as associates.

The herbaceous layer was a mix of Garlic Mustard (*Allaria petiolata*), Running Strawberry-bush (*Euonymus obovata*), Herb Robert (*Geranium robertianum*), and Canada Enchanter's Nightshade (*Circaea lutetiana ssp. canadensis*).

A small marsh community dominated by Reed Canary Grass was noted for this site.

Vegetation Communities

There are a total of 76 recorded taxa (unique plant records) for this study site.

Community Series

Deciduous Forest (FOD)
Shallow Marsh (MAS)

Vegetation Type

Dry-Fresh Sugar Maple-Hickory Deciduous Forest Type (FODM5-5)
Reed Canary Grass Mineral Shallow Marsh Type (MASM1-14)

Significant Flora

Species at Risk- None noted.

Provincially Rare Species – None noted.

Points of Interest

Faunal Records:

2 - Reptiles & Amphibians

2 - Mammals

Site Visits

September 1, 1980

Brady, et al

October 30, 2008

T. Staton, S. Mohamed

% of site visited









4.96 % of the total study site was visited by NAI teams.

References Cited

- Brady, R., et al. 1980. *Environmentally Sensitive Areas*. Regional Municipality of Niagara, Brock University, Department of Geography, St. Catharines, Ontario.
- Government of Ontario, Ministry of Natural Resources. 2009. *Deciduous Forest Species at Risk in Ontario*. Retrieved 11/05, 2009, from <http://www.mnr.gov.on.ca/en/Business/Species/2ColumnSubPage/276504.html>
- Natural Heritage Areas Inventory 2006-2009. Unpublished database, Niagara Peninsula Conservation Authority, Welland, Ontario.
- Oldham, M. J., & Brinker, S. R. 2009. Rare Vascular Plants of Ontario (Fourth Edition ed.). Peterborough, Ontario: Natural Heritage Information Centre, Ontario Ministry of Natural Resources.
- Ontario Ministry of Agriculture and Food. 1989. *The Soils of The Regional Municipality of Niagara*, Report No. 60. Ontario Institute of Pedology, Guelph, Ontario.



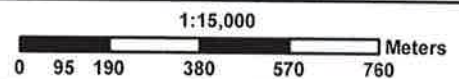
Legend

-  Major Highways
-  Regional Highways
-  Roads
-  Watercourses
-  Waterbodies
-  Municipal Boundaries
-  Study Sites
-  Study Site GR-06



Natural Areas Inventory

Study Site GR-06



Produced by the Niagara Peninsula Conservation Authority, 2009.
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 All Frames: North American Datum 1983, Universal Transverse Mercator 6° Projection, Zone 17N, Central Meridian 81° West



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 Community Series:
 Deciduous Forest (FOD)