APPENDIX C

MNR NATURAL HERITAGE REPORTS

Number of natural areas selected: **4**

LITTLE CATARAQUI CREEK COMPLEX **AREA_ID: 7592**

Significance	Area Type	Size	Centroid UTM	Map #
Provincial	Wetland	359.9 ha	18,379000,4904000	31C/7

Description
A Provincially significant, Coastal wetland complex, made up of three individual wetlands, composed of two wetland types (28% swamp and 72% marsh) (Boxall, 1992).

Vegetation
Dominant Vegetation Forms (Boxall, 1992):
5% deciduous trees, 1% coniferous trees, 23% tall shrub, 9% narrow-leaved emergents, 40% robust emergents, 17% submergents, 5% unvegetated;

Vegetation Communities (Boxall, 1992):
One Form
M1: robust emergents- Typha latifolia;
M6: narrow-leaved emergents- Phalaris arundinacea;
W8: submergents- Potamogeton spp., Myriophyllum spp., Elodea canadensis;

Two Forms
M2: narrow-leaved emergents- Leersia oryzoides, Carex spp., grasses; ground cover- Eupatorium maculatum, Bidens cernua, Alisma triviale;
M3: robust emergents- Typha latifolia; narrow-leaved emergents- Leersia oryzoides, Sparganium spp., Carex spp., grasses;
W4: submergents- Potamogeton spp., Myriophyllum spp.; free-floating plants- Lemna minor;
M9: narrow-leaved emergents- Phalaris arundinacea, Carex spp.; floating plants- Nymphaea odorata;
M10: narrow-leaved emergents- Butomus umbellatus, Phalaris arundinacea, Sparganium spp.; submergents- Elodea canadensis;
S1: tall shrubs- Salix spp.; narrow-leaved emergents- Carex spp., grasses;
S4: tall shrubs- Fraxinus nigra, Salix spp.; robust emergents- Typha latifolia;

Three Forms
M5: robust emergents- Typha latifolia; narrow-leaved emergents- Scirpus spp., Carex spp., grasses; free-floating plants- Lemna minor;
W7: submergents- Potamogeton spp., Myriophyllum spp.; floating plants- Nymphaea odorata; free-floating plants- Lemna minor;
M11: narrow-leaved emergents- Carex spp., grasses; submergents- Elodea canadensis, Potamogeton spp.; robust emergents- Typha latifolia
W13: submergents- Potamogeton spp., Myriophyllum spp.; free-floating plants- Lemna minor; dead shrubs- Salix spp., Cornus spp.;
S2: tall shrubs- Fraxinus nigra, Cornus spp.; low shrubs- Cornus spp., Spiraea alba; narrow-leaved emergents- Carex spp., grasses;
S3: deciduous trees- Fraxinus nigra; tall shrubs- Salix spp.; narrow-leaved emergents- Carex spp., grasses;
S5: tall shrubs- Fraxinus nigra, Salix spp., Cornus spp.; robust emergents- Typha latifolia; narrow-leaved emergents- Phalaris arundinacea;
S7: tall shrubs- Fraxinus nigra, Salix spp., Cornus spp.; low shrubs- Cornus spp., Salix spp.; ground cover- mixed forbes;
S8: tall shrubs- Alnus rugosa, Cornus spp.; narrow-leaved emergents- Carex spp., grasses; ground cover- mixed forbes;
S9: tall shrubs- Ulmus americana, Fraxinus nigra; narrow-leaved emergents- Sparganium spp.; dead coniferous trees- Thuja occidentalis
S10: tall shrubs- Alnus rugosa; robust emergents- Typha latifolia; dead deciduous trees- Fraxinus nigra;

Four Forms
M12: robust emergents- Typha latifolia; narrow-leaved emergents- Scirpus spp., Carex spp., Sparganium spp.; submergents- Potamogeton spp., Myriophyllum spp.; free-floating plants- Lemna minor;
S6: tall shrubs- Salix spp., Fraxinus nigra; low shrubs- Salix spp., Cornus spp., Spiraea alba; ground

cover- mixed forbes; narrow-leaved emergents- Carex spp., grasses;
S11: coniferous trees- Thuja occidentalis; deciduous trees- Fraxinus nigra; tall shrubs- Fraxinus nigra, Thuja occidentalis; ground cover- Impatiens capensis, mixed ferns;
S12: tall shrubs- Salix spp., Cornus spp.; low shrubs- Salix spp., Cornus spp.; narrow-leaved emergents- Carex spp., grasses; robust emergents- Typha latifolia;
S14: deciduous trees- Acer rubrum; tall shrubs- Acer rubrum, Alnus rugosa; ground cover- mixed ferns; narrow-leaved emergents- Carex spp., grasses;

Five Forms
S13: tall shrubs- Alnus rugosa, Salix spp.; low shrubs- Alnus rugosa, Salix spp.; narrow-leaved emergents- Carex spp., grasses; robust emergents- Typha latifolia; ground cover- mixed forbes;

Representation

Landform
Soils (Boxall, 1992): 20% clay/ loam, 60% humic/ mesic, and 20% fibric;
Site Type (Boxall, 1992): 29% palustrine, 44% riverine, 17% riverine at rivermouth, and 10% lacustrine exposed to lake;

References

- Boxall, J. 1992. Southern Ontario Wetland Data Record and Evaluation (August 1992 Draft)- Little Cataraqui Marsh Complex. July 20-22 & August 10, 1992. Consultant. Manuscript. 43 pp + 3 pp.
- Cutler, C., G. Humphreys, A. Bougourd and E. Mallory. 1984. Wetland Data Record and Evaluation- Little Cataraqui Creek. Second Edition. September 5, 1984. Cataraqui Conservation Authority. Manuscript. 22 pp + 1 map + 7 pp supplement.
- Mosquin, T. and J.R. Wilson. 1985. Wetland Data Record and Evaluation- Little Cataraqui Marsh. Second Edition. July 24-25 & August 26, 1985. Mosquin Bio-Information. Manuscript. 12 pp + 1 p supplement.
- Mosquin, T. and J.R. Wilson. 1985. Wetland Data Record and Evaluation- Little Cataraqui Resevoir Complex. Second Edition. July, 1985. Mosquin Bio-Information. Manuscript. 12 pp + 1 p supplement.

LITTLE CATARAQUI CREEK CONSERVATION AREA **AREA_ID: 7613**

Significance	Area Type	Size	Centroid UTM	Map #
	Conservation Authority Area	ha	18,379500,4904500	31C/7

Description

Vegetation

Representation

Landform

References

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CATARAQUI CREEK CLAY RIDGES **AREA_ID: 7937**

Significance	Area Type	Size	Centroid UTM	Map #
Provincial	Earth Science ANSI	0.0 ha	18,379900,4903900	31C/7

Description

Vegetation

Representation

Landform

References

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GREATER CATARAQUI MARSH **AREA_ID: 6230**

Significance	Area Type	Size	Centroid UTM	Map #
Provincial	Wetland	504.0 ha	18,380000,4903000	31C/8

Description
A Provincially significant, Coastal wetland, composed of only one wetland type (100% marsh) (Mudal and Krannitz, 1990).

Vegetation
Vegetation Communities (Mudal and Krannitz, 1990):
One Form
M1: robust emergents- cattail;
M2: narrow-leaved emergents- grasses;
W1: submergents- milfoil;

Two Forms
M3: robust emergents- cattail, bulrush; narrow-leaved emergents- grasses, sedges;
M4: robust emergents- cattail; free-floating plants- Frogbit;
M5: narrow-leaved emergents- grasses; ground cover- mint, jewelweed;
M6: robust emergents- cattail; ground cover- Purple Loosestrife;
M7: narrow-leaved emergents- sedges, grasses; robust emergents- cattail;
M8: narrow-leaved emergents- Reed Canary Grass; tall shrubs- dogwood;
W2: submergents- milfoil; floating plants- waterlilies;
W3: floating plants- waterlilies; submergents- milfoil;
W4: submergents- milfoil; free-floating plants- duckweed;

Three Forms
M9: robust emergents- cattail; free-floating plants- Frogbit; narrow-leaved emergents- grasses;
M10: robust emergents- cattail; narrow-leaved emergents- grasses, sedges; ground cover- joe-pye weed;
M11: robust emergents- cattail; narrow-leaved emergents- grasses, sedges; broad-leaved emergents- arrowhead;
M12: narrow-leaved emergents- grasses; robust emergents- cattail; ground cover- boneset;
M13: narrow-leaved emergents- Sparganium spp.; submergents- milfoil; robust emergents- Typha spp.;

Four Forms
M14: robust emergents- cattail; narrow-leaved emergents- grasses; ground cover- Marsh Fern; mosses;

Representation

Landform
Soils (Mudal and Krannitz, 1990): 20% clays, loams or silts and 80% organic;
Site Type (Mudal and Krannitz, 1990): 100% riverine;

References

- Blancher, P. and L. Deacon. 1983. Wetland Data Record and Evaluation- Greater Cataraqui Marsh. First Edition. November 15, 1983. Biology Department, Queen's University, Kingston. Manuscript. 20 pp + 1 map.

- Muldal, S. and P. Krannitz. 1990. Wetland Data Record and Evaluation- Greater Cataraqui Marsh. Second Edition. July 31 & August 1 and 6, 1990. TNK Environmental Consultants. Manuscript. 11 pp + 1 map + 8 pp supplement.
