

## **5.0 SUMMARY OF INPUT RECEIVED ON ENVIRONMENTAL CONDITIONS AND MTO RESPONSES AND CHANGES**

In the final copy of this document, this section will provide a summary of comments and input received on the draft *Report F (Part 2): Environmental Conditions and Constraints* during the public review period, as well as an explanation of how this feedback was addressed in this version of the report by MTO.

**APPENDIX A**  
**BREEDING BIRD LIST**

Breeding Birds of Hwy 7/8

Common Name	Scientific Name	Status				Area-sensitive <sup>c</sup>	Area-sensitive sources				Date of Visit	
		Species at Risk (national) <sup>a</sup>	Species at Risk (provincial) <sup>a</sup>	Provincially Rare (breeding season SRANK) <sup>b</sup>	Regional Status		A = Area sensitive Species (OMNR <sup>c</sup> )	Freemark & Collins <sup>2</sup>	Couturier <sup>3</sup>	Riffell et al. <sup>4</sup>	5-Jun-09	3-Jul-09
Turkey Vulture	<i>Cathartes aura</i>					A <sup>1</sup>			A		X	X
Red-tailed Hawk	<i>Buteo jamaicensis</i>											X
American Kestrel	<i>Falco sparverius</i>					A <sup>3</sup>			A		X	
Wild Turkey	<i>Meleagris gallopavo</i>										X	
Killdeer	<i>Charadrius vociferus</i>										X	X
Spotted Sandpiper	<i>Actitis macularia</i>					A <sup>3</sup>			A		X	
Ring-billed Gull	<i>Larus delawarensis</i>										X	X
Rock Pigeon	<i>Columba livia</i>										X	X
Mourning Dove	<i>Zenaida macroura</i>										X	X
Belted Kingfisher	<i>Ceryle alcyon</i>											X
Northern Flicker	<i>Colaptes auratus</i>										X	X
Eastern Wood-Pewee	<i>Contopus virens</i>										X	X
Willow Flycatcher	<i>Empidonax traillii</i>										X	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>					A <sup>3</sup>		A			X	X
Eastern Kingbird	<i>Tyrannus tyrannus</i>					A <sup>3</sup>			A	A	X	X
Horned Lark	<i>Eremophila alpestris</i>					A <sup>3</sup>			A		X	
Tree Swallow	<i>Tachycineta bicolor</i>										X	X
N. Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>					A <sup>3</sup>			A		X	X
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>					A <sup>3</sup>			A		X	X
Barn Swallow	<i>Hirundo rustica</i>					A <sup>3</sup>			A		X	X
Blue Jay	<i>Cyanocitta cristata</i>										X	X
American Crow	<i>Corvus brachyrhynchos</i>					A <sup>3</sup>		A			X	X
Black-capped Chickadee	<i>Poecile atricapillus</i>										X	X
Red-breasted Nuthatch	<i>Sitta canadensis</i>					A <sup>3</sup>	A		A		X	
White-breasted Nuthatch	<i>Sitta carolinensis</i>					A <sup>3</sup>	A	A				X
House Wren	<i>Troglodytes aedon</i>										X	X
Wood Thrush	<i>Hylocichla mustelina</i>					A <sup>3</sup>			A		X	X
American Robin	<i>Turdus migratorius</i>										X	X
Gray Catbird	<i>Dumetella carolinensis</i>											X
Cedar Waxwing	<i>Bombicilla cedrorum</i>										X	X
European Starling	<i>Sturnus vulgaris</i>										X	
Warbling Vireo	<i>Vireo gilvus</i>										X	X
Red-eyed Vireo	<i>Vireo olivaceus</i>					A <sup>3</sup>		A			X	X
Yellow Warbler	<i>Dendroica petechia</i>										X	X
Common Yellowthroat	<i>Geothlypis trichas</i>										X	X
Northern Cardinal	<i>Cardinalis cardinalis</i>										X	X
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>					A <sup>3</sup>		A			X	X
Indigo Bunting	<i>Passerina cyanea</i>										X	X
Chipping Sparrow	<i>Spizella passerina</i>										X	X
Savannah Sparrow	<i>Passerculus sandwichensis</i>					A <sup>3</sup>	A		A		X	X
Song Sparrow	<i>Melospiza melodia</i>										X	X
Swamp Sparrow	<i>Melospiza georgiana</i>					A <sup>3</sup>			A	A		X
Bobolink	<i>Dolichonyx oryzivorus</i>					A <sup>3</sup>	A		A		X	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>					A <sup>3</sup>				A	X	X
Eastern Meadowlark	<i>Sturnella magna</i>					A <sup>3</sup>	A		A		X	
Common Grackle	<i>Quiscalus quiscula</i>										X	X
Brown-headed Cowbird	<i>Molothrus ater</i>					A <sup>3</sup>			A		X	X
Baltimore Oriole	<i>Icterus galbula</i>										X	X
American Goldfinch	<i>Carduelis tristis</i>					A <sup>3</sup>			A	A	X	X
House Sparrow	<i>Passer domesticus</i>										X	X

Field Work Conducted On:

- Location 1 -
- Location 2 -
- Location 3 -
- Location 4 -
- Location 5 -
- Location 6 -

Number of Species:

Number of (provincial and national) Species at Risk:

Number of S1 to S3 (provincially rare) Species:

Number of Regionally Rare Species:

Common Name	Scientific Name	Status				Area-sensitive <sup>c</sup>	Area-sensitive sources				Date of Visit	
		Species at Risk (national) <sup>a</sup>	Species at Risk (provincial) <sup>a</sup>	Provincially Rare (breeding season SRANK) <sup>b</sup>	Regional Status		A = Area sensitive Species (OMNR) <sup>e</sup>	Freemark & Collins <sup>2</sup>	Couturier <sup>3</sup>	Riffell et al. <sup>4</sup>	5-Jun-09	3-Jul-09

Number of Area-sensitive Species:

Number of regionally significant OWES species (6):

Number of regionally significant OWES species (7):

Location 1

Number of Species:

Number of (provincial and national) Species at Risk:

Number of S1 to S3 (provincially rare) Species:

Number of Regionally Rare Species:

Number of Area-sensitive Species:

Number of regionally significant OWES species (6):

Number of regionally significant OWES species (7):

#### KEY

<sup>a</sup> National Species at Risk are those listed by COSEWIC = Committee on the Status of Endangered Wildlife in Canada

Provincial Species at Risk are those listed by COSSARO = Committee on the Status of Species at Risk in Ontario

END = Endangered, THR = Threatened, SC = Special Concern

\* Bald Eagle Endangered south of French and Mattawa Rivers and Special Concern to north

<sup>b</sup> SRANK (from Natural Heritage Information Centre) shown for breeding status if: S1 (Critically Imperiled, often < 5 occurrences),

S2 (Imperiled, often <20 occurrences), S3 (Vulnerable, often 80 or fewer), S3S4 (uncertain between S3 and S4),

or T (tracked species) that are S4 or S5; SRANK not shown if: S4 (apparently secure, uncommon), S5 (secure, common).

Area-sensitive sources:

c Ontario Ministry of Natural Resources (OMNR). 2000. Significant Wildlife Habitat Technical Guide (Appendix G). 151 p plus appendices.

2 = Freemark, K. and B. Collins. 1992. Landscape ecology of birds breeding in temperate forest fragments. pp 443 - 451.

In J.M. Hagen and D.W. Johnston (eds.). Ecology and Conservation of Neotropical Migrant Landbirds. The Manomet Bird Observatory. (forest area-sensitive species only)

3 = Couturier, A. 1999. Conservation Priorities for the Birds of Southern Ontario. Unpublished Bird Studies Canada report, 17 pp (plus appendices).

4 = Riffell, S.K., B.E. Keas, and T.M. Burton. 2001. Area and habitat relationships of birds in Great Lakes coastal wet meadows.

Wetlands Vol. 21 (4): 492-507. (wet meadow species only)

<sup>d</sup> Ontario Ministry of Natural Resources (OMNR). 1993 (Revised 1994, 2002 draft). Ontario Wetland Evaluation System, Southern Manual. 3rd Edition. NEST Technical Manual TM

**APPENDIX B**  
**PLANT SPECIES LIST**



# Hwy 7/8 West Region Plants

Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<b><u>PTERIDOPHYTA</u></b>	<b><u>FERNS AND ALLIES</u></b>					
<b><u>DRYOPTERIDACEAE</u></b>	<b><u>WOOD FERN FAMILY</u></b>					
<i>Athyrium filix-femina</i> (L.) Roth	Northeastern Lady Fern		X			
<i>Cystopteris bulbifera</i> (L.) Bern.	Bulblet Fern				X	
<i>Dryopteris carthusiana</i> (Vill.) H.P.Fuchs	Spinulose Wood Fern		X			
<i>Dryopteris cristata</i> (L.) Gray	Crested Wood Fern				X	
<i>Dryopteris marginalis</i> (L.) Gray	Marginal Wood Fern		X			
<i>Matteuccia struthiopteris</i> (L.) Todaro	American Ostrich Fern				X	
<i>Onoclea sensibilis</i> L.	Sensitive Fern		X		X	
<i>Polystichum acrostichoides</i> (Michx.) Schoff	Christmas Fern		X			
<b><u>EQUISETACEAE</u></b>	<b><u>HORSETAIL FAMILY</u></b>					
<i>Equisetum hyemale</i> L.	Scouring-rush		X			
<b><u>OSMUNDACEAE</u></b>	<b><u>ROYAL FERN FAMILY</u></b>					
<i>Osmunda cinnamomea</i> L.	Cinnamon Fern				X	
<b><u>GYMNOSPERMAE</u></b>	<b><u>CONIFERS</u></b>					
<b><u>PINACEAE</u></b>	<b><u>PINE FAMILY</u></b>					
<i>Picea abies</i> (L.) Karst.	Norway Spruce	+		X		
<i>Picea glauca</i> (Moench) Voss	White Spruce		X			
<i>Picea mariana</i> (Mill.) BSP.	Black Spruce			X		
<i>Pinus strobus</i> L.	White Pine				X	
<i>Tsuga canadensis</i> (L.) Carr.	Eastern Hemlock		X		X	
<b><u>LILIOPSIDA</u></b>	<b><u>MONOCOTS</u></b>					
<b><u>ALISMATACEAE</u></b>	<b><u>WATER-PLANTAIN FAMILY</u></b>					
<i>Alisma plantago-aquatica</i> L.	Water-plantain					X
<b><u>ARACEAE</u></b>	<b><u>ARUM FAMILY</u></b>					
<i>Arisaema triphyllum</i> (L.) Schott	Jack-in-the-pulpit		X			
<i>Calla palustris</i> L.	Water-arum				X	
<i>Symplocarpus foetidus</i> (L.) Nutt.	Skunk Cabbage				X	
<b><u>CYPERACEAE</u></b>	<b><u>SEDGE FAMILY</u></b>					
<i>Carex</i> sp.	Sedge		X			
<i>Carex crinita</i> Lam.	Fringed Sedge				X	
<i>Carex intumescens</i> Rudge	Bladder Sedge		X			
<i>Carex lupulina</i> Muhl. ex Willd.	Hop Sedge					X
<i>Carex radiata</i>	Radiating Sedge		X			
<i>Carex retrorsa</i> Schw.	Retorse Sedge				X	
<i>Carex rosea</i> Schk. ex Willd.	Rose-like Sedge				X	
<i>Carex vulpinoidea</i> Michx.	Fox Tail Sedge					X
<i>Scirpus atrovirens</i> Willd.	Black Bulrush				X	
<i>Scirpus cyperinus</i> (L.) Kunth	Wool-grass					X
<b><u>IRIDACEAE</u></b>	<b><u>IRIS FAMILY</u></b>					
<i>Iris versicolor</i> L.	Wild Blue Flag				X	
<b><u>JUNCACEAE</u></b>	<b><u>RUSH FAMILY</u></b>					
<i>Juncus effusus</i> L.	Rush				X	X
<b><u>LEMNACEAE</u></b>	<b><u>DUCKWEED FAMILY</u></b>					
<i>Lemna minor</i> L.	Common Duckweed					X
<b><u>LILIACEAE</u></b>	<b><u>LILY FAMILY</u></b>					
<i>Allium tricoccum</i> Ait.	Wild Leek; Ramps		X			
<i>Lilium philadelphicum</i> L.	Wood Lily				X	
<i>Maianthemum canadense</i> Desf.	Canada Mayflower		X			

Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<i>Maianthemum racemosum</i> (L.) Link	False Solomon's-seal		X			
<i>Maianthemum stellatum</i> (L.) Link	Starry False Solomon's-seal		X			
<b><u>ORCHIDACEAE</u></b>	<b><u>ORCHID FAMILY</u></b>					
<i>Cypripedium reginae</i> Walt.	Showy Lady-slipper				X	
<i>Epipactis helleborine</i> (L.) Crantz	Helleborine	+	X			
<b><u>POACEAE</u></b>	<b><u>GRASS FAMILY</u></b>					
<i>Agrostis gigantea</i> Roth.	Redtop	+				X
<i>Elymus canadensis</i> L.	Canada Wild-rye					X
<i>Elymus hystrix</i> L.	Bottle-brush Grass				X	
<i>Elymus virginicus</i> L.	Virginia Wild-rye				X	
<i>Festuca rubra</i> L.	Red Fescue	+				X
<i>Glyceria striata</i> (Lam.) A.S. Hitchc.	Fowl Manna Grass		X		X	X
<i>Leersia oryzoides</i> (L.) Sw.	Cut Grass		X			X
<i>Phleum pratense</i> L.	Timothy	+				X
<b><u>TYPHACEAE</u></b>	<b><u>CATTAIL FAMILY</u></b>					
<i>Typha latifolia</i> L.	Common Cattail				X	X
<b>MAGNOLIOPSIDA</b>	<b>DICOTS</b>					
<b><u>ACERACEAE</u></b>	<b><u>MAPLE FAMILY</u></b>					
<i>Acer nigrum</i> Michx.	Black Maple				X	
<i>Acer saccharum</i> Marsh.	Sugar Maple		X			
<i>Acer spicatum</i> L.	Mountain Maple				X	
<i>Acer freemani</i>	Hybrid Maple		X		X	
<b><u>ANACARDIACEAE</u></b>	<b><u>CASHEW FAMILY</u></b>					
<i>Rhus radicans</i> L.	Poison-ivy		X		X	
<b><u>APIACEAE</u></b>	<b><u>CARROT FAMILY</u></b>					
<i>Cicuta maculata</i> L.	Spotted Water-hemlock				X	
<i>Daucus carota</i> L.	Wild Carrot, Queen Anne's Lace	+				X
<i>Sium suave</i> Walt.	Water-parsnip				X	
<b><u>AQUIFOLIACEAE</u></b>	<b><u>HOLLY FAMILY</u></b>					
<i>Ilex verticillata</i> (L.) Gray	Winterberry				X	
<b><u>ARALIACEAE</u></b>	<b><u>GINSENG FAMILY</u></b>					
<i>Aralia nudicaulis</i> L.	Wild Sarsaparilla				X	
<i>Aralia racemosa</i> L.	Spikenard				X	
<b><u>ASTERACEAE</u></b>	<b><u>ASTER FAMILY</u></b>					
<i>Aster lanceolatus</i> Willd.	Tall White Aster		X			X
<i>Aster novae-angliae</i> L.	New England Aster					X
<i>Bidens cernua</i> L.	Nodding Beggarticks				X	
<i>Bidens frondosa</i> L.	Devil's Beggarticks				X	
<i>Cirsium arvense</i> (L.) Scop.	Canada Thistle	+				X
<i>Erigeron annuus</i> (L.) Pers.	Daisy Fleabane		X			X
<i>Eupatorium perfoliatum</i> L.	Boneset				X	
<i>Eupatorium rugosum</i> Houtt.	White Snakeroot				X	
<i>Euthamia graninifolia</i> (L.) Nutt.	Narrow-leaf Goldenrod				X	X
<i>Inula helenium</i> L.	Elecampane	+			X	X
<i>Lapsana communis</i> L.	Nipplewort	+			X	
<i>Prenanthes altissima</i> L.	Tall White Lettuce				X	
<i>Rudbeckia laciniata</i> L.	Cut-leaved Coneflower		X			
<i>Solidago canadensis</i> L.	Canada Goldenrod		X			X
<i>Solidago flexicaulis</i> L.	Zig-zag Goldenrod		X			
<i>Solidago gigantea</i> Ait.	Late Goldenrod		X		X	
<i>Solidago patula</i> Muhl.	Rough-leaved Goldenrod					X
<i>Sonchus arvensis</i> L.	Field Sow-thistle	+				X
<i>Taraxacum officinale</i> Weber	Dandelion	+				X

Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<b><u>BALSAMINACEAE</u></b>	<b><u>TOUCH-ME-NOT-FAMILY</u></b>					
<i>Impatiens capensis</i> Meerb.	Spotted Jewelweed		X		X	
<b><u>BERBERIDACEAE</u></b>	<b><u>BARBERRY FAMILY</u></b>					
<i>Caulophyllum thalictroides</i> (L.) Michx.	Blue Cohosh		X			
<i>Podophyllum peltatum</i> L.	May-apple		X			
<b><u>BETULACEAE</u></b>	<b><u>BIRCH FAMILY</u></b>					
<i>Betula papyrifera</i> Marsh.	Paper Birch		X			
<i>Carpinus caroliniana</i> Walt.	Blue Beech				X	
<i>Ostrya virginiana</i> (Mill.) K. Koch	Hop Hornbeam		X			
<b><u>BORAGINACEAE</u></b>	<b><u>BORAGE FAMILY</u></b>					
<i>Myosotis scorpioides</i> L.	True Forget-me-not	+				X
<b><u>BRASSICACEAE</u></b>	<b><u>MUSTARD FAMILY</u></b>					
<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	Garlic Mustard	+	X			
<i>Cardamine pensylvanica</i> Muhl.	Bitter Cress				X	
<i>Nasturtium microphyllum</i> (Boem.) Reichb.	Water Cress	+			X	
<b><u>CAPRIFOLIACEAE</u></b>	<b><u>HONEYSUCKLE FAMILY</u></b>					
<i>Lonicera dioica</i> L.	Wild Honeysuckle		X			
<i>Viburnum lentago</i> L.	Nannyberry				X	
<i>Viburnum trilobum</i> Marsh.	Highbush-cranberry				X	
<i>Viburnum opulus</i> L.	Guelder Rose	+			X	
<b><u>CELASTRACEAE</u></b>	<b><u>STAFF-TREE FAMILY</u></b>					
<i>Euonymus obovatus</i> Nutt.	Running Strawberry-bush		X			
<b><u>CORNACEAE</u></b>	<b><u>DOGWOOD FAMILY</u></b>					
<i>Cornus alternifolia</i> L.f.	Alternate-leaved Dogwood		X			X
<i>Cornus foemina</i> Mill.	Grey Dogwood		X			
<i>Cornus stolonifera</i> Michx.	Red-osier Dogwood		X		X	X
<b><u>FAGACEAE</u></b>	<b><u>BEECH FAMILY</u></b>					
<i>Fagus grandifolia</i> Ehrh.	American Beech		X			
<i>Quercus macrocarpa</i> Michx.	Bur Oak		X			
<i>Quercus rubra</i> L.	Red Oak		X			
<b><u>FABACEAE</u></b>	<b><u>PEA FAMILY</u></b>					
<i>Amphicarpaea bracteata</i> (L.) Fern.	Hog-peanut				X	
<i>Lotus corniculatus</i> L.	Bird-foot Trefoil	+				X
<i>Vicia cracca</i> L.	Bird Vetch	+				X
<b><u>GERANIACEAE</u></b>	<b><u>GERANIUM FAMILY</u></b>					
<i>Geranium robertianum</i> L.	Herb Robert	+	X			
<b><u>GROSSULARIACEAE</u></b>	<b><u>GOOSEBERRY FAMILY</u></b>					
<i>Ribes americanum</i> Mill.	Wild Black Currant		X			
<i>Ribes triste</i> Pall.	Swamp Red Currant				X	
<b><u>JUGLANDACEAE</u></b>	<b><u>WALNUT FAMILY</u></b>					
<i>Carya cordiformis</i> (Wang.) K.Koch	Bitternut Hickory		X			
<i>Juglans nigra</i> L.	Black Walnut			X		
<b><u>LAMIACEAE</u></b>	<b><u>MINT FAMILY</u></b>					
<i>Lycopus uniflorus</i> Michx.	Northern Water-horehound				X	
<i>Nepeta cataria</i> L.	Catnip	+			X	X
<i>Prunella vulgaris</i> L.	Heal-all	+	X			
<b><u>LAURACEAE</u></b>	<b><u>LAUREL FAMILY</u></b>					
<i>Lindera benzoin</i> (L.) Blume	Spicebush				X	
<b><u>LOBELIACEAE</u></b>	<b><u>LOBELIA FAMILY</u></b>					
<i>Lobelia siphilitica</i> L.	Great Lobelia				X	
<b><u>MENISPERMACEAE</u></b>	<b><u>MOONSEED FAMILY</u></b>					
<i>Menispermum canadense</i> L.	Moonseed				X	
<b><u>OLEACEAE</u></b>	<b><u>OLIVE FAMILY</u></b>					



Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<i>Fraxinus americana</i> L.	White Ash		X			
<i>Fraxinus nigra</i> Marsh.	Black Ash				X	
<i>Fraxinus pennsylvanica</i> Marsh.	Red Ash		X			
<b><u>ONAGRACEAE</u></b>	<b><u>EVENING-PRIMROSE FAMILY</u></b>					
<i>Circaea lutetiana</i> L.	Enchanter's Nightshade		X			
<i>Epilobium angustifolium</i> L.	Fireweed					X
<b><u>PAPAVERACEAE</u></b>	<b><u>POPPY FAMILY</u></b>					
<i>Sanguinaria canadensis</i> L.	Bloodroot				X	
<b><u>PRIMULACEAE</u></b>	<b><u>PRIMROSE FAMILY</u></b>					
<i>Lysimachia ciliata</i> L.	Fringed Loosestrife				X	
<b><u>RANUNCULACEAE</u></b>	<b><u>BUTTERCUP FAMILY</u></b>					
<i>Actaea rubra</i> (Ait.) Willd.	Red Baneberry				X	
<i>Caltha palustris</i> L.	Marsh-marigold				X	
<i>Coptis trifolia</i> (L.) Salisb.	Gold Thread				X	
<i>Ranunculus acris</i> L.	Tall Buttercup	+	X			
<i>Thalictrum dioicum</i> L.	Early Meadow Rue		X			
<i>Thalictrum pubescens</i> Pursh	Tall Meadow Rue					X
<b><u>RHAMNACEAE</u></b>	<b><u>BUCKTHORN FAMILY</u></b>					
<i>Rhamnus cathartica</i> L.	Common Buckthorn	+	X			
<b><u>ROSACEAE</u></b>	<b><u>ROSE FAMILY</u></b>					
<i>Agrimonia gryposepala</i> Wallr.	Agrimony		X			
<i>Crataegus monogyna</i> Jacq.	English Hawthorn	+	X			
<i>Crataegus punctata</i> Jacq.	Dotted Hawthorn		X		X	
<i>Crataegus</i> sp.	Hawthorn sp.					
<i>Fragaria virginiana</i> Dene.	Common Strawberry		X			
<i>Geum aleppicum</i> Jacq.	Yellow Avens		X			
<i>Geum canadense</i> Jacq.	White Avens		X			
<i>Geum rivale</i>	Water Avens				X	
<i>Malus pumila</i> Miller	Apple		X		X	
<i>Potentilla norvegica</i> L.	Rough Cinquefoil				X	
<i>Prunus avium</i> L.	Sweet Cherry	+	X			
<i>Prunus serotina</i> Ehrh.	Black Cherry		X			
<i>Prunus virginiana</i> L.	Choke Cherry		X			
<i>Pyrus communis</i> L.	Pear	+		X		
<i>Rubus idaeus</i> L.	Wild Red Raspberry		X			
<i>Rubus occidentalis</i> L.	Black Raspberry		X			
<i>Rubus pubescens</i> Raf.	Dwarf Raspberry		X		X	
<i>Waldsteinia fragarioides</i> (Michx.) Tratt.	Barren Strawberry		X			
<b><u>RUBIACEAE</u></b>	<b><u>MADDER FAMILY</u></b>					
<i>Galium palustre</i> L.	Marsh Bedstraw				X	
<i>Mitchella repens</i> L.	Partridge berry		X			
<b><u>SALICACEAE</u></b>	<b><u>WILLOW FAMILY</u></b>					
<i>Populus balsamifera</i> L.	Balsam Poplar		X			
<i>Populus deltoides</i> Marsh	Cottonwood		X			
<i>Salix alba</i> L.	White Willow	+			X	
<i>Salix amygdaloides</i> Anderss.	Peach-leaved Willow				X	
<i>Salix nigra</i> L.	Black Willow					X
<i>Salix petiolaris</i> Sm.	Slender Willow				X	
<b><u>SCROPHULARIACEAE</u></b>	<b><u>FIGWORT FAMILY</u></b>					
<i>Chelone glabra</i> L.	Turtlehead				X	
<i>Veronica officinalis</i> L.	Common Speedwell	+	X			
<b><u>SOLANACEAE</u></b>	<b><u>NIGHTSHADE FAMILY</u></b>					
<i>Solanum dulcamara</i> L.	Bittersweet Nightshade	+	X			

Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<u><b>TILIACEAE</b></u>	<u><b>LINDEN FAMILY</b></u>					
<i>Tilia americana</i> L.	Basswood		X			
<u><b>ULMACEAE</b></u>	<u><b>ELM FAMILY</b></u>					
<i>Ulmus americana</i> L.	American Elm		X			
<u><b>URTICACEAE</b></u>	<u><b>NETTLE FAMILY</b></u>					
<i>Boehmeria cylindrica</i> (L.) Sw.	False Nettle		X		X	
<i>Laportea canadensis</i> (L.) Wedd.	Wood Nettle		X		X	
<i>Pilea fontana</i> (Lunell) Rydb.	Clearweed		X			
<i>Urtica dioica</i> L. subsp. <i>gracilis</i> (Ait.)	American Stinging Nettle				X	
<u><b>VIOLACEAE</b></u>	<u><b>VIOLET FAMILY</b></u>					
<i>Viola canadensis</i> L.	Canada Violet		X			
<i>Viola conspersa</i> Reich.	Dog Violet		X			
<u><b>VITACEAE</b></u>	<u><b>GRAPE FAMILY</b></u>					
<i>Parthenocissus inserta</i> (A. Kerner) Fritsch	Virginia Creeper		X			X

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# Hwy 7/8 East Region Plants

Family / Species	Common Name	Status	Location			
			FO	CU	SW	MA
<b>PTERIDOPHYTA</b>	<b>FERNS AND ALLIES</b>					
<u><b>DRYOPTERIDACEAE</b></u>	<u><b>WOOD FERN FAMILY</b></u>					
<i>Dryopteris carthusiana</i> (Vill.) H.P.Fuchs	Spinulose Wood Fern		X			
<i>Dryopteris cristata</i> (L.) Gray	Crested Wood Fern				X	
<i>Dryopteris intermedia</i> (Willd.)	Glandular Wood Fern		X			
<i>Dryopteris marginalis</i> (L.) Gray	Marginal Wood Fern		X			
<i>Matteuccia struthiopteris</i> (L.) Todaro	American Ostrich Fern				X	
<i>Polystichum acrostichoides</i> (Michx.) Schoff	Christmas Fern		X			
<u><b>EQUISETACEAE</b></u>	<u><b>HORSETAIL FAMILY</b></u>					
<i>Equisetum arvense</i> L.	Field Horsetail				X	
<u><b>OSMUNDACEAE</b></u>	<u><b>ROYAL FERN FAMILY</b></u>					
<i>Osmunda regalis</i> L.	American Royal Fern				X	
<b>GYMNOSPERMAE</b>	<b>CONIFERS</b>					
<u><b>PINACEAE</b></u>	<u><b>PINE FAMILY</b></u>					
<i>Picea abies</i> (L.) Karst.	Norway Spruce	+	X			
<i>Picea glauca</i> (Moench) Voss	White Spruce		X			
<i>Pinus strobus</i> L.	White Pine		X			
<i>Pinus sylvestris</i> L.	Scots Pine	+	X			
<b>LILIOPSIDA</b>	<b>MONOCOTS</b>					
<u><b>ALISMATACEAE</b></u>	<u><b>WATER-PLANTAIN FAMILY</b></u>					
<i>Alisma plantago-aquatica</i> L.	Water-plantain		X			
<i>Sagittaria latifolia</i> Willd.	Broad-leaved Arrowhead					X
<u><b>ARACEAE</b></u>	<u><b>ARUM FAMILY</b></u>					
<i>Arisaema triphyllum</i> (L.) Schott	Jack-in-the-pulpit		X			
<i>Symplocarpus foetidus</i> (L.) Nutt.	Skunk Cabbage				X	
<u><b>CYPERACEAE</b></u>	<u><b>SEDGE FAMILY</b></u>					
<i>Carex crinita</i> Lam.	Fringed Sedge				X	
<i>Carex lupulina</i> Muhl. ex Willd.	Hop Sedge				X	
<i>Carex pensylvanica</i> Lam.	Pensylvanica Sedge		X			
<i>Carex plantaginea</i> Lam.	Plantain-leaved Sedge		X			
<i>Carex radiata</i>	Radiating Sedge		X			
<i>Carex tribuloides</i> Wahl.	Blunt Broom Sedge				X	
<i>Carex tuckermanii</i> Boott ex Dew.	Tuckerman's Sedge				X	
<i>Cyperus diandrus</i> Torrey	Nut grass				X	
<i>Scirpus atrovirens</i> Willd.	Black Bulrush					X
<i>Scirpus cyperinus</i> (L.) Kunth	Wool-grass				X	X
<u><b>LILIACEAE</b></u>	<u><b>LILY FAMILY</b></u>					
<i>Allium tricoccum</i> Ait.	Wild Leek; Ramps		X			
<i>Clintonia borealis</i> (Ait.) Raf.	Bluebead-lily		X			
<i>Maianthemum canadense</i> Desf.	Canada Mayflower		X			
<i>Maianthemum racemosum</i> (L.) Link	False Solomon's-seal		X			
<i>Maianthemum stellatum</i> (L.) Link	Starry False Solomon's-seal				X	
<i>Trillium grandiflorum</i> (Michx.) Salisb.	White Trillium		X			
<u><b>ORCHIDACEAE</b></u>	<u><b>ORCHID FAMILY</b></u>					
<i>Epipactis helleborine</i> (L.) Crantz	Helleborine	+	X			
<u><b>POACEAE</b></u>	<u><b>GRASS FAMILY</b></u>					
<i>Agropyron repens</i> (L.)	Quack Grass	+			X	
<i>Agrostis gigantea</i> Roth.	Redtop	+				X
<i>Bromus inermis</i> Leys.	Smooth Brome Grass	+				X

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			FO	CU	SW	MA
<i>Festuca obtusa</i> Biehl.	Nodding Fescue		X			
<i>Glyceria striata</i> (Lam.) A.S. Hitchc.	Fowl Manna Grass				X	
<i>Leersia oryzoides</i> (L.) Sw.	Cut Grass				X	
<i>Phalaris arundinacea</i> L.	Reed Canary Grass					X
<b>MAGNOLIOPSIDA</b>	<b>DICOTS</b>					
<b><u>ACERACEAE</u></b>	<b><u>MAPLE FAMILY</u></b>					
<i>Acer negundo</i> L.	Manitoba Maple				X	
<i>Acer saccharum</i> Marsh.	Sugar Maple		X			
<i>Acer freemani</i>	Hybrid Maple				X	
<b><u>ANACARDIACEAE</u></b>	<b><u>CASHEW FAMILY</u></b>					
<i>Rhus radicans</i> L.	Poison-ivy		X			
<b><u>APIACEAE</u></b>	<b><u>CARROT FAMILY</u></b>					
<i>Cicuta maculata</i> L.	Spotted Water-hemlock				X	
<i>Hydrocotyle americana</i> L.	Marsh Pennywort				X	
<i>Sanicula canadensis</i> L.	Black Snakeroot		X			
<i>Sium suave</i> Walt.	Water-parsnip				X	
<b><u>ASCLEPIADACEAE</u></b>	<b><u>MILKWEED FAMILY</u></b>					
<i>Asclepias syriaca</i> L.	Common Milkweed			X		
<b><u>ASTERACEAE</u></b>	<b><u>ASTER FAMILY</u></b>					
<i>Arctium minus</i> (Hill) Bernh.	Common Burdock	+	X			
<i>Aster lateriflorus</i> (L.) Britt.	One-sided Aster		X			
<i>Aster macrophyllus</i> L.	Large-leaved Aster		X			
<i>Aster puniceus</i> L.	Red-stemmed Aster				X	
<i>Bidens cernua</i> L.	Nodding Beggarticks					X
<i>Bidens frondosa</i> L.	Devil's Beggarticks				X	
<i>Cirsium arvense</i> (L.) Scop.	Canada Thistle	+	X			
<i>Eupatorium maculatum</i> L.	Spotted Joe-Pye Weed					X
<i>Eupatorium perfoliatum</i> L.	Boneset				X	
<i>Lapsana communis</i> L.	Nipplewort	+	X			
<i>Prenanthes alba</i> L.	Rattlesnakeroot		X			
<i>Solidago caesia</i> L.	Blue-stem Goldenrod		X			
<i>Solidago canadensis</i> L.	Canada Goldenrod		X			
<i>Solidago flexicaulis</i> L.	Zig-zag Goldenrod		X			
<i>Solidago gigantea</i> Ait.	Late Goldenrod				X	
<i>Tussilago farfara</i> L.	Coltsfoot	+		X	X	
<b><u>BALSAMINACEAE</u></b>	<b><u>TOUCH-ME-NOT-FAMILY</u></b>					
<i>Impatiens capensis</i> Meerb.	Spotted Jewelweed		X		X	X
<b><u>BERBERIDACEAE</u></b>	<b><u>BARBERRY FAMILY</u></b>					
<i>Caulophyllum thalictroides</i> (L.) Michx.	Blue Cohosh		X		X	
<b><u>BETULACEAE</u></b>	<b><u>BIRCH FAMILY</u></b>					
<i>Betula alleghaniensis</i> Britt.	Yellow Birch		X			
<i>Betula papyrifera</i> Marsh.	Paper Birch		X			
<i>Ostrya virginiana</i> (Mill.) K. Koch	Hop Hornbeam		X			
<b><u>BRASSICACEAE</u></b>	<b><u>MUSTARD FAMILY</u></b>					
<i>Alliaria petiolata</i> (Bieb.) Cavara & Grande	Garlic Mustard	+	X			
<i>Nasturtium microphyllum</i> (Boenn.) Reichb.	Water Cress	+				X
<b><u>CAPRIFOLIACEAE</u></b>	<b><u>HONEYSUCKLE FAMILY</u></b>					
<i>Linnaea borealis</i> L.	Twinflower				X	
<i>Lonicera tatarica</i> L.	Tartarian Honeysuckle	+	X			
<i>Sambucus canadensis</i> L.	Common Elder				X	
<i>Sambucus racemosa</i> L.	Red-berried Elder				X	
<i>Viburnum acerifolium</i> L.	Maple-leaved Viburnum		X			
<b><u>CORNACEAE</u></b>	<b><u>DOGWOOD FAMILY</u></b>					

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			FO	CU	SW	MA
<i>Cornus alternifolia</i> L.f.	Alternate-leaved Dogwood		X			
<i>Cornus stolonifera</i> Michx.	Red-osier Dogwood		X			
<b><u>CRASSULACEAE</u></b>	<b><u>ORPINE FAMILY</u></b>					
<i>Penthorum sedoides</i> L.	Ditch Stoncrop				X	
<b><u>CUCURBITACEAE</u></b>	<b><u>GOURD FAMILY</u></b>					
<i>Echinocystis lobata</i> (Michx.) T. & G.	Wild Cucumber				X	
<b><u>EUPHORBIACEAE</u></b>	<b><u>SPURGE FAMILY</u></b>					
<i>Acalypha rhomboidea</i> Raf.	Three-seeded Mercury		X			
<b><u>FAGACEAE</u></b>	<b><u>BEECH FAMILY</u></b>					
<i>Quercus macrocarpa</i> Michx.	Bur Oak				X	
<b><u>FABACEAE</u></b>	<b><u>PEA FAMILY</u></b>					
<i>Robinia pseudoacacia</i> L.	Black Locust	+	X			
<i>Trifolium repens</i> L.	White Clover	+	X			
<b><u>GERANIACEAE</u></b>	<b><u>GERANIUM FAMILY</u></b>					
<i>Geranium robertianum</i> L.	Herb Robert	+	X			
<b><u>GROSSULARIACEAE</u></b>	<b><u>GOOSEBERRY FAMILY</u></b>					
<i>Ribes americanum</i> Mill.	Wild Black Currant		X			
<i>Ribes cynosbati</i> L.	Prickly Gooseberry		X			
<b><u>HYDROPHYLLACEAE</u></b>	<b><u>WATERLEAF FAMILY</u></b>					
<i>Hydrophyllum virginianum</i> L.	Virginia Waterleaf		X			
<b><u>JUGLANDACEAE</u></b>	<b><u>WALNUT FAMILY</u></b>					
<i>Carya cordiformis</i> (Wang.) K.Koch	Bitternut Hickory		X			
<i>Carya ovata</i> (Mill.) K. Koch	Shagbark Hickory		X			
<i>Juglans cinerea</i> L.	Butternut		X			
<i>Juglans nigra</i> L.	Black Walnut		X			
<b><u>LAMIACEAE</u></b>	<b><u>MINT FAMILY</u></b>					
<i>Mentha arvensis</i> L.	Field or Common Mint					X
<i>Prunella vulgaris</i> L.	Heal-all	+	X			
<b><u>LOBELIACEAE</u></b>	<b><u>LOBELIA FAMILY</u></b>					
<i>Lobelia inflata</i> L.	Indian Tobacco		X			
<b><u>MENISPERMACEAE</u></b>	<b><u>MOONSEED FAMILY</u></b>					
<i>Menispermum canadense</i> L.	Moonseed		X			
<b><u>OLEACEAE</u></b>	<b><u>OLIVE FAMILY</u></b>					
<i>Fraxinus americana</i> L.	White Ash		X			
<i>Fraxinus nigra</i> Marsh.	Black Ash		X			
<i>Fraxinus pennsylvanica</i> Marsh.	Red Ash		X			
<b><u>ONAGRACEAE</u></b>	<b><u>EVENING-PRIMROSE FAMILY</u></b>					
<i>Circaea lutetiana</i> L.	Enchanter's Nightshade		X			
<i>Epilobium coloratum</i> Bieh.	Purple-leaved Willowherb				X	
<i>Oenothera biennis</i> L.	Hairy Yellow Evening-primrose					X
<b><u>OXALIDACEAE</u></b>	<b><u>WOOD-SORREL FAMILY</u></b>					
<i>Oxalis acetosella</i> L.	Wood-sorrel		X			
<i>Oxalis stricta</i> L.	Common Yellow Wood-sorrel	+	X			
<b><u>PHRYMACEAE</u></b>	<b><u>LOPSEED FAMILY</u></b>					
<i>Phryma leptostachya</i> L.	Lopseed				X	
<b><u>POLYGONACEAE</u></b>	<b><u>BUCKWHEAT FAMILY</u></b>					
<i>Polygonum hydropiperoides</i> Michx.	Mild Waterpepper				X	
<i>Polygonum lapathifolium</i> L.	Nodding Smartweed				X	
<i>Polygonum persicaria</i> L.	Lady's Thumb	+	X			
<b><u>PRIMULACEAE</u></b>	<b><u>PRIMROSE FAMILY</u></b>					
<i>Lysimachia quadrifolia</i> L.	Whorled Loosestrife		X		X	
<b><u>RANUNCULACEAE</u></b>	<b><u>BUTTERCUP FAMILY</u></b>					
<i>Ranunculus abortivus</i> L.	Small-flowered Buttercup		X			

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<i>Ranunculus acris</i> L.	Tall Buttercup	+	X			
<i>Ranunculus hispidus</i> Michx.	Swamp Buttercup				X	
<b><u>RHAMNACEAE</u></b>	<b><u>BUCKTHORN FAMILY</u></b>					
<i>Rhamnus cathartica</i> L.	Common Buckthorn	+	X			
<b><u>ROSACEAE</u></b>	<b><u>ROSE FAMILY</u></b>					
<i>Crataegus monogyna</i> Jacq.	English Hawthorn	+	X			
<i>Geum aleppicum</i> Jacq.	Yellow Avens		X			
<i>Geum canadense</i> Jacq.	White Avens		X			
<i>Prunus americana</i> Marsh.	Wild Plum			X		
<i>Prunus avium</i> L.	Sweet Cherry	+	X			
<i>Prunus serotina</i> Ehrh.	Black Cherry		X			
<i>Prunus virginiana</i> L.	Choke Cherry		X			
<i>Rubus idaeus</i> L.	Wild Red Raspberry		X			
<i>Rubus occidentalis</i> L.	Black Raspberry		X			
<i>Rubus odoratus</i> L.	Flowering Raspberry		X			
<i>Rubus pubescens</i> Raf.	Dwarf Raspberry				X	
<i>Sorbus aucuparia</i> L.	European Mountain-ash	+	X			
<b><u>RUBIACEAE</u></b>	<b><u>MADDER FAMILY</u></b>					
<i>Galium asprellum</i> Michx.	Rough Bedstraw		X			
<i>Mitchella repens</i> L.	Partridge berry		X			
<b><u>SALICACEAE</u></b>	<b><u>WILLOW FAMILY</u></b>					
<i>Populus tremuloides</i> Michx.	Trembling Aspen		X			
<i>Salix amygdaloides</i> Anders.	Peach-leaved Willow				X	
<i>Salix discolor</i> Muhl.	Pussy Willow				X	
<i>Salix exigua</i> Nutt.	Sandbar Willow					X
<b><u>SAXIFRAGACEAE</u></b>	<b><u>SAXIFRAGE FAMILY</u></b>					
<i>Tiarella cordifolia</i> L.	Foam Flower				X	
<b><u>SCROPHULARIACEAE</u></b>	<b><u>FIGWORT FAMILY</u></b>					
<i>Veronica officinalis</i> L.	Common Speedwell	+	X			
<b><u>SOLANACEAE</u></b>	<b><u>NIGHTSHADE FAMILY</u></b>					
<i>Solanum dulcamara</i> L.	Bittersweet Nightshade	+	X		X	
<b><u>TILIACEAE</u></b>	<b><u>LINDEN FAMILY</u></b>					
<i>Tilia americana</i> L.	Basswood		X			
<b><u>ULMACEAE</u></b>	<b><u>ELM FAMILY</u></b>					
<i>Ulmus americana</i> L.	American Elm		X			
<b><u>URTICACEAE</u></b>	<b><u>NETTLE FAMILY</u></b>					
<i>Boehmeria cylindrica</i> (L.) Sw.	False Nettle				X	
<i>Laportea canadensis</i> (L.) Wedd.	Wood Nettle				X	
<b><u>VERBENACEAE</u></b>	<b><u>VERVAIN FAMILY</u></b>					
<i>Verbena hastata</i> L.	Blue Vervain					X
<i>Verbena urticifolia</i> L.	White Vervain		X			
<b><u>VIOLACEAE</u></b>	<b><u>VIOLET FAMILY</u></b>					
<i>Viola canadensis</i> L.	Canada Violet		X			
<b><u>VITACEAE</u></b>	<b><u>GRAPE FAMILY</u></b>					
<i>Vitis riparia</i> Michx.	Riverbank Grape		X			

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