









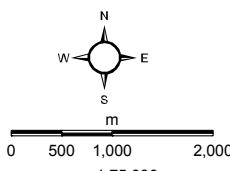


- Legend**
-  On-site Study Area
  -  Current Ottawa WMF Operations
  -  Intermittent Stream
  -  Permanent Stream
  -  Potential Core Areas
  -  Potential Natural Corridor
  -  Core Areas
  -  Natural Corridors
  -  Adjacent Natural Areas
  -  Isolated Core Area

Basemapping from Ontario Ministry of Natural Resources



0 500 1,000 2,000  
m  
1:75,000  
UTM Zone 17N, NAD 83

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Waste Management of Canada Corporation  
West Carleton Environmental Centre

**Landscape Context**

November 2011  
Project 60191228



**Figure 12**



# Appendix A

## South Huntley Creek Photo Log





**Photograph 1 ↑**  
Site 1 – Pool of standing water on the northeast side of William Mooney Road



**Photograph 2 ↑**  
Site 1 – Agricultural ditch on the southwest side of William Mooney Road



**Photograph 3 ↑**  
Site 2 – Looking upstream, stream flows through farm fields including use by animals



**Photograph 4 ↑**  
Site 2 – Looking downstream



**Photograph 5 ↑**  
Flooded ditch near intersection of Richardson Side Road and William Mooney Road, looking upstream



**Photograph 6 ↑**  
Ditch flowing along Richardson Side Road



**Photograph 7 ↑**  
 Site 3 – South Huntley Creek, west side of Carp Road, looking upstream



**Photograph 8 ↑**  
 Site 3 – South Huntley Creek, east side of Carp Road, looking downstream before stream enters quarry property



**Photograph 9 ↑**  
 Site 4 – South Huntley Creek, southeast side of Richardson Side Road, looking upstream



**Photograph 10 ↑**  
 Site 4 – South Huntley Creek, northwest side of Richardson Side Road, looking downstream



**Photograph 11 ↑**  
 Site 6 – South Huntley Creek, west side of Newill Place, looking upstream



**Photograph 12 ↑**  
 Site 6 – South Huntley Creek, east side of Newill Place, looking downstream



**Photograph 13 ↑**  
Site 5 – Huntley Creek, west side of  
Oak Creek Road, looking upstream



**Photograph 14 ↑**  
Site 5 – Huntley Creek, east side of  
Oak Creek Road, looking downstream



**Photograph 15 ↑**  
Mottled Sculpin caught at Site 4



**Photograph 1 ↑**  
 Site 1 – Dry area where pool of standing water used to be on the northeast side of William Mooney Road



**Photograph 2 ↑**  
 Site 1 – Dry area where pool of standing water used to be on the northeast side of William Mooney Road



**Photograph 3 ↑**  
 Site 2 – Looking upstream, stream flows through farm fields before flowing through culvert



**Photograph 4 ↑**  
 Site 2 – Looking downstream, abundant riparian vegetation cover



**Photograph 5 ↑**  
 Site 3 – South Huntley Creek, west side of Carp Road, looking upstream (note: clear water)



**Photograph 6 ↑**  
 Site 3 – South Huntley Creek, east side of Carp Road, looking downstream before stream enters quarry property (note: clear water)



**Photograph 7 ↑**  
 Site 4 – South Huntley Creek, southeast side of Richardson Side Road, looking upstream (note turbid water)



**Photograph 8 ↑**  
 Site 4 – South Huntley Creek, northwest side of Richardson Side Road, looking downstream (note: turbid water, high water levels)



**Photograph 9 ↑**  
 Site 6 – South Huntley Creek, west side of Newill Place, looking upstream (note: low water levels)



**Photograph 10 ↑**  
 Site 6 – South Huntley Creek, east side of Newill Place, looking downstream (note: low water levels)



**Photograph 11 ↑**  
 Site 5 – Huntley Creek, west side of Oak Creek Road, looking upstream



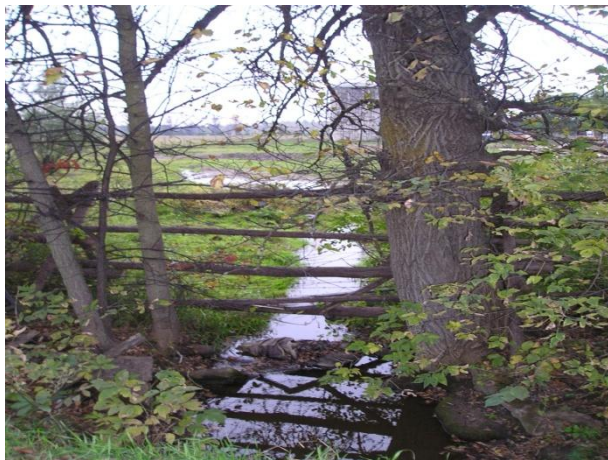
**Photograph 12 ↑**  
 Site 5 – Huntley Creek, east side of Oak Creek Road, looking downstream



**Photograph 1 ↑**  
 Site 1 – Dry area where pool of standing water used to be on the northeast side of William Mooney Road



**Photograph 2 ↑**  
 Site 1 – Dry drainage channel through agricultural fields on southwest side of William Mooney Road



**Photograph 3 ↑**  
 Site 2 – Looking upstream, stream flows through farm fields before flowing through culvert



**Photograph 4 ↑**  
 Site 2 – Looking downstream, abundant riparian vegetation cover



**Photograph 5 ↑**  
 Site 3 – South Huntley Creek, west side of Carp Road, “organic” build-up from upstream farm



**Photograph 6 ↑**  
 Site 3 – South Huntley Creek, west side of Carp Road, close-up of “organic” build-up from upstream farm





**Photograph 7** ↑  
 Site 3 – South Huntley Creek, west side of Carp Road, looking upstream



**Photograph 8** ↑  
 Site 3 – South Huntley Creek, east side of Carp Road, looking downstream before stream enters quarry property



**Photograph 9** ↑  
 Site 6 – South Huntley Creek, west side of Newill Place, looking upstream



**Photograph 10** ↑  
 Site 6 – South Huntley Creek, east side of Newill Place, looking downstream



**Photograph 11** ↑  
 Site 6 – South Huntley Creek, east side of Newill Place, large pool of water



**Photograph 12** ↑  
 Site 6 – South Huntley Creek, west side of Newill Place, stream bottom mainly clay



**Photograph 13 ↑**  
Site 5 – Huntley Creek, west side of  
Oak Creek Road, looking upstream



**Photograph 14 ↑**  
Site 5 – Huntley Creek, east side of  
Oak Creek Road, looking downstream

# Appendix B

## Plant Species Recorded Within the On-site Study Area



# Appendix B. Plant Species List



BOTANICAL NAME	COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat
		Source	Oldham et al.	Oldham et al.	Oldham et al.	Newmaster		Newmaster	Brunton - 2005					
<b>PTERIDOPHYTES</b>	<b>FERNS &amp; ALLIES</b>													
<b>Dennstaedtiaceae</b>	<b>Bracken Fern Family</b>													
<i>Pteridium</i>	<i>aquilinum</i> var. <i>latiusculum</i>	Eastern Bracken-fern	2	3	S5			G5T		√				√
<b>Dryopteridaceae</b>	<b>Wood Fern Family</b>													
<i>Athyrium</i>	<i>filix-femina</i> var. <i>angustum</i>	Northern Lady Fern	4	0	S5			G5T5		√	√		√	
<i>Dryopteris</i>	<i>carthusiana</i>	Spinulose Wood Fern	5	-2	S5			G5		√	√		√	
<i>Dryopteris</i>	<i>crinata</i>	Crested Wood Fern	7	-5	S5			G5	uncommon				√	
<i>Dryopteris</i>	<i>intermedia</i>	Evergreen Wood Fern	5	0	S5			G5		√				
<i>Dryopteris</i>	<i>marginalis</i>	Marginal Wood Fern	5	3	S5			G5		√				
<i>Gymnocarpium</i>	<i>dryopteris</i>	Oak Fern	7	0	S5			G5		√		√		
<i>Matteuccia</i>	<i>struthiopteris</i>	Ostrich Fern	5	-3	S5			G5		√			√	
<i>Onoclea</i>	<i>sensibilis</i>	Sensitive Fern	4	-3	S5			G5		√	√		√	
<b>Equisetaceae</b>	<b>Horsetail Family</b>													
<i>Equisetum</i>	<i>arvense</i>	Field Horsetail	0	0	S5			G5		√	√		√	√
<i>Equisetum</i>	<i>hyemale</i>	Scouring-rush	2	-2	S5			G5T5			√			
<i>Equisetum</i>	<i>scirpoides</i>	Dwarf Scouring-rush	7	-1	S5			G5		√		√	√	
<i>Equisetum</i>	<i>variegatum</i>	Variiegated Horsetail	5	-3	S5			G5T	uncommon		√			
<b>Lycopodiaceae</b>	<b>Clubmoss Family</b>													
<i>Huperzia</i>	<i>lucidula</i>	Shining Fir-moss	7	-1	S5			G5		√		√		
<i>Lycopodium</i>	<i>dendroideum</i>	Prickly Tree Club-moss	7	0	S5			G5		√				
<b>Ophioglossaceae</b>	<b>Adder's Tongue Family</b>													
<i>Botrychium</i>	<i>virginianum</i>	Rattlesnake Fern	5	3	S5			G5		√		√		
<b>Osmundaceae</b>	<b>Royal Fern Family</b>													
<i>Osmunda</i>	<i>regalis</i>	Royal Fern	7	-5	S5			G5T		√			√	
<b>Thelypteridaceae</b>	<b>Marsh Fern Family</b>													
<i>Thelypteris</i>	<i>palustris</i>	Marsh Fern	5	-4	S5			G5T?		√	√		√	
<b>GYMNOSPERMS</b>	<b>CONIFERS</b>													
<b>Cupressaceae</b>	<b>Cedar Family</b>													
<i>Juniperus</i>	<i>communis</i>	Common Juniper	4	3	S5			G5						√
<i>Thuja</i>	<i>occidentalis</i>	Eastern White Cedar	4	-3	S5			G5		√	√	√	√	
<b>Pinaceae</b>	<b>Pine Family</b>													
<i>Abies</i>	<i>balsamea</i>	Balsam Fir	5	-3	S5			G5		√		√		
<i>Larix</i>	<i>laricina</i>	Tamarack	7	-3	S5			G5		√	√		√	
<i>Picea</i>	<i>glauca</i>	White Spruce	6	3	S5			G5		√		√		
<i>Pinus</i>	<i>strobus</i>	Eastern White Pine	4	3	S5			G5		√		√		
<b>DICOTYLEDONS</b>	<b>DICOTS</b>													
<b>Aceraceae</b>	<b>Maple Family</b>													
<i>Acer</i>	<i>negundo</i>	Manitoba Maple	0	-2	S5			G5		√				√
<i>Acer</i> X	<i>freemanii</i>	Freeman's Maple								√			√	
<i>Acer</i>	<i>saccharum</i>	Sugar Maple	4	3	S5			G5T?		√		√		
<i>Acer</i>	<i>saccharinum</i>	Silver Maple	5	-3	S5			G5		√				
<i>Acer</i>	<i>rubrum</i>	Red Maple	4	0	S5			G5		√	√	√	√	
<b>Anacardiaceae</b>	<b>Sumac or Cashew Family</b>													
<i>Toxicodendron</i>	<i>radicans</i> ssp. <i>negundo</i>	Poison-ivy	5	-1	S5			G5T		√	√	√		√
<i>Rhus</i>	<i>hirta</i>	Staghorn Sumac	1	5	S5			G5		√				√

# Appendix B. Plant Species List



BOTANICAL NAME		COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat
<b>Apiaceae</b>		<b>Carrot or Parsley Family</b>													
<i>Daucus</i>	<i>carota</i>	Wild Carrot		5	-2	SE5			G?						√
<i>Osmorhiza</i>	<i>claytonii</i>	Woolly Sweet-cicely	5	4		S5			G5				√		
<i>Sium</i>	<i>suave</i>	Hemlock Water-parsnip	4	-5		S5			G5		√				
<b>Apocynaceae</b>		<b>Dogbane Family</b>													
<i>Apocynum</i>	<i>androsaemifolium</i>	Spreading Dogbane	3	5		S5			G5T?				√		√
<b>Araliaceae</b>		<b>Ginseng Family</b>													
<i>Aralia</i>	<i>nudicaulis</i>	Wild Sarsaparilla	4	3		S5			G5	√		√			
<b>Asclepiadaceae</b>		<b>Milkweed Family</b>													
<i>Asclepias</i>	<i>incarnata ssp. incarnata</i>	Swamp Milkweed	6	-5		S5			G5T5					√	
<i>Asclepias</i>	<i>syriaca</i>	Common Milkweed	0	5		S5			G5						√
<b>Asteraceae</b>		<b>Composite or Aster Family</b>													
<i>Achillea</i>	<i>millefolium var. millefolium</i>	Common Yarrow		3	-1	SE?			G5T?	√					√
<i>Ageratina</i>	<i>altissima var. altissima</i>	White Snakeroot	5	3		S5			G5		√				
<i>Antennaria</i>	<i>neglecta</i>	Field Pussytoes	3	5		S5			G5						√
<i>Arctium</i>	<i>minus</i>	Common Burdock		5	-2	SE5			G?T?	√	√	√			
<i>Bidens</i>	<i>frondosa</i>	Devil's Beggar-ticks	3	-3		S5			G5					√	
<i>Cirsium</i>	<i>arvense</i>	Canada Thistle		3	-1	SE5			G?	√					
<i>Erechtites</i>	<i>hieracifolia</i>	Burnweed	2	3		S5			G5	uncommon	√				
<i>Erigeron</i>	<i>philadelphicus</i>	Philadelphia Fleabane	1	-3		S5			G5T?		√				
<i>Eupatorium</i>	<i>perfoliatum</i>	Boneset	2	-4		S5			G5					√	
<i>Eurybia</i>	<i>macrophylla</i>	Large-leaved Aster	5	5		S5			G5	√		√			
<i>Euthamia</i>	<i>graminifolia</i>	Grass-leaved Goldenrod	2	-2		S5			G5					√	
<i>Lactuca</i>	<i>serriola</i>	Prickly Lettuce				SE5			G5	√					√
<i>Leucanthemum</i>	<i>vulgare</i>	Ox-eye Daisy		5	-1	SE5			G5						√
<i>Prenanthes</i>	<i>altissima</i>	Tall White Lettuce				S5			G5	√		√			
<i>Solidago</i>	<i>canadensis</i>	Canada Goldenrod				S5			G5	√					√
<i>Solidago</i>	<i>nemoralis ssp. nemoralis</i>	Gray Goldenrod	2	5		S5			G5T?						√
<i>Solidago</i>	<i>rugosa</i>	Rough Goldenrod	4	-1		S5			G5T?	√	√				
<i>Symphyotrichum</i>	<i>ciliolatum</i>	Ciliolate Aster	6	4		S5			G5						√
<i>Symphyotrichum</i>	<i>lanceolatum</i>	Panicled Aster				S5			G5	√		√	√		√
<i>Symphyotrichum</i>	<i>puniceum var. puniceum</i>	Purple-stemmed Aster	4			S5			G5T?					√	
<i>Taraxacum</i>	<i>officinale</i>	Common Dandelion		3	-2	SE5			G5	√					√
<b>Balsaminaceae</b>		<b>Touch-me-not Family</b>													
<i>Impatiens</i>	<i>capensis</i>	Spotted Touch-me-not	4	-3		S5			G5	√				√	
<b>Betulaceae</b>		<b>Birch Family</b>													
<i>Alnus</i>	<i>incana ssp. rugosa</i>	Speckled Alder	6	-5		S5			G5T5	√	√		√		
<i>Betula</i>	<i>papyrifera</i>	White Birch	4	2		S5			G5	√	√				
<i>Ostrya</i>	<i>virginiana</i>	Hop Hornbeam - Ironwood	4	4		S5			G5	√					
<b>Boraginaceae</b>		<b>Borage Family</b>													
<i>Echium</i>	<i>vulgare</i>	Vipers Bugloss		5	-2	SE5			G?						√
<i>Lithospermum</i>	<i>officinale</i>	Common Gromwell		5	-1	SE5			G?						√
<b>Caprifoliaceae</b>		<b>Honeysuckle Family</b>													
<i>Diervilla</i>	<i>lonicera</i>	Bush Honeysuckle	5	5		S5			G5			√			
<i>Lonicera</i>	<i>dioica</i>	Glaucous Honeysuckle				S5			G5	uncommon	√	√			

# Appendix B. Plant Species List



BOTANICAL NAME		COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat
<i>Sambucus</i>	<i>racemosa</i>	Red Elderberry				S5			G5		✓				
<i>Sambucus</i>	<i>nigra ssp. canadensis</i>	Common Elderberry	5	-2		S5			G5	uncommon		✓		✓	
<i>Viburnum</i>	<i>lentago</i>	Nannyberry	4	-1		S5			G5		✓	✓			
<b>Caryophyllaceae</b>		<b>Pink Family</b>													
<i>Silene</i>	<i>vulgaris</i>	Catchfly		5	-1	SE5			G?						✓
<i>Stellaria</i>	<i>graminea</i>	Grass-leaved Stitchwort		5	-2	SE5			G?						✓
<b>Cornaceae</b>		<b>Dogwood Family</b>													
<i>Cornus</i>	<i>canadensis</i>	Bunchberry	7	0		S5			G5			✓			
<i>Cornus</i>	<i>sericea</i>	Red-osier Dogwood	2	-3		S5			G5		✓			✓	
<b>Chenopodiaceae</b>		<b>Goosefoot Family</b>													
<i>Kochia</i>	<i>scoparia</i>	Summer Cypress		4	-1	SE5			G?	uncommon	✓				
<b>Fabaceae</b>		<b>Pea Family</b>													
<i>Lotus</i>	<i>corniculatus</i>	Bird's-foot Trefoil		1	-2	SE5			G?		✓				✓
<i>Melilotus</i>	<i>alba</i>	White Sweet-clover		3	-3	SE5			G?		✓				✓
<i>Trifolium</i>	<i>pratense</i>	Red Clover		2	-2	SE5			G?						✓
<i>Trifolium</i>	<i>repens</i>	White Clover		2	-1	SE5			G?						✓
<i>Vicia</i>	<i>cracca</i>	Cow Vetch		5	-1	SE5			G?						✓
<b>Fagaceae</b>		<b>Beech Family</b>													
<i>Fagus</i>	<i>grandifolia</i>	American Beech	6	3		S5			G5		✓				
<i>Quercus</i>	<i>rubra</i>	Red Oak	6	3		S5			G5		✓				
<b>Geraniaceae</b>		<b>Geranium Family</b>													
<i>Geranium</i>	<i>robertianum</i>	Herb-robert		5	-2	SE5			G5		✓				
<b>Grossulariaceae</b>		<b>Currant Family</b>													
<i>Ribes</i>	<i>americanum</i>	Wild Black Currant	4	-3		S5			G5		✓	✓		✓	
<i>Ribes</i>	<i>cynosbati</i>	Prickly Gooseberry	4	5		S5			G5		✓	✓	✓		
<i>Ribes</i>	<i>hirtellum</i>	Smooth Gooseberry	6	-3		S5			G5	uncommon				✓	
<b>Guttiferae</b>		<b>St. John's-wort Family</b>													
<i>Hypericum</i>	<i>perforatum</i>	Common St. John's-wort		5	-3	SE5			G?						✓
<b>Juglandaceae</b>		<b>Walnut Family</b>													
<i>Juglans</i>	<i>cinerea</i>	Butternut	6	2		S3?		END	G4		✓				
<b>Lamiaceae</b>		<b>Mint Family</b>													
<i>Lycopus</i>	<i>americanus</i>	Cut-leaved Water-horehound	4	-5		S5			G5			✓		✓	
<i>Lycopus</i>	<i>uniflorus</i>	Northern Water-horehound	5	-5		S5			G5			✓		✓	
<i>Mentha</i>	<i>arvensis</i>	American Wild Mint	3	-3		S5								✓	
<i>Prunella</i>	<i>vulgaris ssp. vulgaris</i>	Common Heal-all		0	-1	SE3			G5T?				✓	✓	✓
<i>Scutellaria</i>	<i>galericulata</i>	Hooded Skullcap	6	-5		S5			G5			✓			
<b>Lythraceae</b>		<b>Loosestrife Family</b>													
<i>Lythrum</i>	<i>salicaria</i>	Purple Loosestrife		-5	-3	SE5			G5		✓			✓	
<b>Monotropaceae</b>		<b>Indian Pipe Family</b>													
<i>Monotropa</i>	<i>uniflora</i>	Indian-pipe	6	3		S5			G5		✓				
<b>Oleaceae</b>		<b>Olive Family</b>													
<i>Fraxinus</i>	<i>americana</i>	White Ash	4	3		S5			G5		✓				
<i>Fraxinus</i>	<i>nigra</i>	Black Ash				S5			G5					✓	
<i>Fraxinus</i>	<i>pennsylvanica</i>	Red Ash	3	-3		S5			G5		✓	✓		✓	

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<b>Onagraceae</b>	<b>Evening-primrose Family</b>													
<i>Circaea</i>	<i>lutetiana ssp. canadensis</i>	3	3		S5			G5T5		√	√	√		
<i>Ludwigia</i>	<i>palustris</i>	5	-5		S5			G5					√	
<b>Oxalidaceae</b>	<b>Wood Sorrel Family</b>													
<i>Oxalis</i>	<i>stricta</i>	0	3		S5			G5						√
<b>Plantaginaceae</b>	<b>Plantain Family</b>													
<i>Plantago</i>	<i>lanceolata</i>		0	-1	SE5			G5						√
<i>Plantago</i>	<i>major</i>		-1	-1	SE5			G5						√
<i>Plantago</i>	<i>rugelii</i>	1	0		S5			G5						√
<b>Polygalaceae</b>	<b>Milkwort Family</b>													
<i>Polygala</i>	<i>paucifolia</i>	6	3		S5			G5	uncommon			√		
<b>Polygonaceae</b>	<b>Smartweed Family</b>													
<i>Polygonum</i>	<i>cilinode</i>	2	5		S5			G5			√			
<b>Primulaceae</b>	<b>Primrose Family</b>													
<i>Lysimachia</i>	<i>thyrsiflora</i>	7	-5		S5			G5					√	
<i>Trientalis</i>	<i>borealis</i>	6	-1		S5			G5T?		√	√			
<b>Ranunculaceae</b>	<b>Buttercup Family</b>													
<i>Actaea</i>	<i>rubra</i>	5	5		S5			G5		√				
<i>Anemone</i>	<i>canadensis</i>	3	-3		S5			G5		√				√
<i>Clematis</i>	<i>virginiana</i>	3	0		S5			G5		√			√	
<i>Ranunculus</i>	<i>abortivus</i>	2	-2		S5			G5					√	
<i>Ranunculus</i>	<i>acris</i>			-2	SE5			G5					√	√
<i>Ranunculus</i>	<i>sceleratus</i>	2	-5		S5			G5T5	uncommon				√	
<i>Thalictrum</i>	<i>pubescens</i>	5	-2		S5			G5					√	
<b>Rhamnaceae</b>	<b>Buckthorn Family</b>													
<i>Rhamnus</i>	<i>alnifolia</i>	7	-5		S5			G5	uncommon				√	
<i>Rhamnus</i>	<i>cathartica</i>		3	-3	SE5			G?		√	√	√		√
<i>Frangula</i>	<i>alnus</i>		-1	-3	SE5			G?		√	√	√	√	
<b>Rosaceae</b>	<b>Rose Family</b>													
<i>Agrimonia</i>	<i>gryposepala</i>	2	2		S5			G5				√		
<i>Amelanchier</i>	<i>arborea</i>		3		S5			G5	uncommon	√		√		
<i>Fragaria</i>	<i>virginiana</i>	2	1		S5			G5		√				√
<i>Geum</i>	<i>aleppicum</i>	2	-1		S5			G5					√	
<i>Geum</i>	<i>canadense</i>	3	0		S5			G5		√	√	√		
<i>Malus</i>	<i>pumila</i>		5	-1	SE5			G5		√		√		√
<i>Potentilla</i>	<i>argentea</i>		3	-2	SE5			G?						√
<i>Potentilla</i>	<i>recta</i>		5	-2	SE5			G?						√
<i>Prunus</i>	<i>serotina</i>	3	3		S5			G5		√		√		
<i>Prunus</i>	<i>virginiana ssp. virginiana</i>	2	1		S5			G5T?		√	√			
<i>Rosa</i>	<i>blanda</i>	3	3		S5			G5				√		√
<i>Rubus</i>	<i>allegheniensis</i>	2	2		S5			G5			√	√		√
<i>Rubus</i>	<i>idaeus ssp. idaeus</i>	3			SE1			G5T5	uncommon	√	√			√
<i>Rubus</i>	<i>occidentalis</i>	2	5		S5			G5	uncommon	√	√	√		
<i>Rubus</i>	<i>pubescens</i>	4	-4		S5			G5		√	√		√	
<i>Spiraea</i>	<i>alba</i>	3	-4		S5			G5		√			√	

# Appendix B. Plant Species List



BOTANICAL NAME		COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat
<b>Rubiaceae</b>		<b>Madder Family</b>													
<i>Galium</i>	<i>palustre</i>	Marsh Bedstraw	5	-5		S5			G5		√	√		√	
<i>Galium</i>	<i>speciosum</i>	bedstraw species									√				
<i>Galium</i>	<i>triflorum</i>	Sweet-scented Bedstraw	4	2		S5			G5		√	√			
<b>Rutaceae</b>		<b>Rue Family</b>													
<i>Zanthoxylum</i>	<i>americanum</i>	American Prickly-ash	3	5		S5			G5		√	√			√
<b>Salicaceae</b>		<b>Willow Family</b>													
<i>Populus</i>	<i>alba</i>	Silver Poplar		5	-3	SE5			G5		√				
<i>Populus</i>	<i>balsamifera</i>	Balsam Poplar	4	-3		S5			G5T?		√	√		√	
<i>Populus</i>	<i>grandidentata</i>	Large-tooth Aspen	5	3		S5			G5		√				
<i>Populus</i>	<i>tremuloides</i>	Trembling Aspen	2	0		S5			G5		√	√		√	
<i>Populus X</i>	<i>canadensis</i>	Carolina Poplar				-1	SE1		HYB			√			
<i>Salix</i>	<i>bebbiana</i>	Bebb's Willow	4	-4		S5			G5			√		√	
<i>Salix</i>	<i>discolor</i>	Pussy Willow	3	-3		S5			G5			√		√	
<i>Salix</i>	<i>lucida</i>	Shining Willow	5	-4		S5			G5					√	
<i>Salix X</i>	<i>rubens</i>	Hybrid Crack Willow					SE5		G5		√			√	
<i>Salix</i>	<i>petiolaris</i>	Slender Willow	3	-4		S5			G4		√			√	
<b>Saxifragaceae</b>		<b>Saxifrage Family</b>													
<i>Tiarella</i>	<i>cordifolia</i>	Foamflower	6	1		S5			G5		√	√	√		
<b>Scrophulariaceae</b>		<b>Figwort Family</b>													
<i>Veronica</i>	<i>officinalis</i>	Common Speedwell		5	-2	SE5			G5			√	√		
<b>Solanaceae</b>		<b>Nightshade Family</b>													
<i>Solanum</i>	<i>dulcamara</i>	Bittersweet Nightshade		0	-2	SE5			G5		√	√		√	
<b>Tiliaceae</b>		<b>Linden Family</b>													
<i>Tilia</i>	<i>americana</i>	American Basswood	4	3		S5			G5				√		
<b>Thymelaeaceae</b>		<b>Mezereum Family</b>													
<i>Dirca</i>	<i>palustris</i>	Leatherwood	7	0		S4?			G4		√				
<b>Ulmaceae</b>		<b>Elm Family</b>													
<i>Ulmus</i>	<i>americana</i>	White Elm	3	-2		S5			G5?		√		√	√	
<b>Urticaceae</b>		<b>Nettle Family</b>													
<i>Boehmeria</i>	<i>cylindrica</i>	False Nettle	4	-5		S5			G5	uncommon				√	
<i>Urtica</i>	<i>dioica ssp. gracilis</i>	Stinging Nettle	3	-1	-1	SE2			G5T?			√			
<b>Verbenaceae</b>		<b>Vervain Family</b>													
<i>Verbena</i>	<i>hastata</i>	Blue Vervain	4	-4		S5			G5					√	
<b>Violaceae</b>		<b>Violet Family</b>													
<i>Viola</i>	<i>blanda</i>	Sweet White Violet	6	-2		S4S5			G4G5				√		
<i>Viola</i>	<i>conspersa</i>	American Dog Violet	4	-2		S5			G5				√		
<i>Viola</i>	<i>pubescens</i>	Yellow Violet	4	1		S5			G5		√		√		
<i>Viola</i>	<i>sororia</i>	Woolly Blue Violet	4	1		S5			G5		√	√	√		
<b>Vitaceae</b>		<b>Grape Family</b>													
<i>Parthenocissus</i>	<i>inserta</i>	Thicket Creeper	3	3		S5			G5		√	√	√		√
<i>Vitis</i>	<i>riparia</i>	Riverbank Grape	0	-2		S5			G5		√	√	√		√



# Appendix B. Plant Species List



BOTANICAL NAME	COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat	
<b>MONOCOTYLEDONS</b>		<b>MONOCOTS</b>													
<b>Araceae</b>		<b>Arum Family</b>													
<i>Arisaema</i>	<i>triphillum</i>	5	-2		S5			G5T5		√					
<b>Alismataceae</b>		<b>Water-plantain Family</b>													
<i>Alisma</i>	<i>plantago-aquatica</i>	3	-5		S5			G5				√	√		
<b>Cyperaceae</b>		<b>Sedge Family</b>													
<i>Carex</i>	<i>arctata</i>	5	5		S5			G5?		√				√	
<i>Carex</i>	<i>aurea</i>	4	-4		S5			G5	uncommon (locally abundant)					√	
<i>Carex</i>	<i>blanda</i>	3	0		S5			G5?			√				
<i>Carex</i>	<i>crinita</i>	6	-4		S5			G5		√	√				
<i>Carex</i>	<i>eburnea</i>	6	4		S5			G5				√			
<i>Carex</i>	<i>flava</i>	5	-5		S5			G5					√		
<i>Carex</i>	<i>gracillima</i>	4	3		S5			G5			√				
<i>Carex</i>	<i>granularis</i>	3	-4		S5			G5						√	
<i>Carex</i>	<i>hystericina</i>	5	-5		S5			G5					√		
<i>Carex</i>	<i>interior</i>	6	-5		S5			G5					√		
<i>Carex</i>	<i>intumescens</i>	6	-4		S5			G5		√	√		√		
<i>Carex</i>	<i>lacustris</i>	5	-5		S5			G5	uncommon				√		
<i>Carex</i>	<i>pellita</i>	4	-5		S5			G5	uncommon (locally abundant)				√		
<i>Carex</i>	<i>pennsylvanica</i>	5	5		S5			G5		√		√			
<i>Carex</i>	<i>pedunculata</i>	5	5		S5			G5				√			
<i>Carex</i>	<i>radiata</i>	5	5		S5			G5		√		√			
<i>Carex</i>	<i>spicata</i>		5	-1	SE5			G5						√	
<i>Carex</i>	<i>sprengelii</i>	6	0		S5			G5?				√			
<i>Carex</i>	<i>stipata</i>	3	-5		S5			G5			√		√		
<i>Eleocharis</i>	<i>erythropoda</i>	4	-5		S5			G5	uncommon				√		
<i>Scirpus</i>	<i>cyperinus</i>	4	-5		S5			G5					√		
<b>Juncaceae</b>		<b>Rush Family</b>													
<i>Juncus</i>	<i>nodosus</i>	5	-5		S5			G5	uncommon	√					
<b>Iridaceae</b>		<b>Iris Family</b>													
<i>Iris</i>	<i>versicolor</i>	5	-5		S5			G5			√		√		
<i>Sisyrinchium</i>	<i>montanum</i>	4	-1		S5			G5		√				√	
<b>Lemnaceae</b>		<b>Duckweed Family</b>													
<i>Lemna</i>	<i>minor</i>	2	-5		S5			G5		√			√		
<b>Liliaceae</b>		<b>Lily Family</b>													
<i>Allium</i>	<i>tricoccum</i>	7	2		S5			G5	uncommon (local & declining)			√			
<i>Clintonia</i>	<i>borealis</i>	7	-1		S5			G5		√					
<i>Maianthemum</i>	<i>canadense</i>	5	0		S5			G5		√	√	√			
<i>Trillium</i>	<i>grandiflorum</i>	5	5		S5			G5		√					
<b>Orchidaceae</b>		<b>Orchid Family</b>													
<i>Epipactis</i>	<i>helleborine</i>		5	-2	SE5			G?		√					
<b>Poaceae</b>		<b>Grass Family</b>													
<i>Brachyelytrum</i>	<i>erectum</i>	7	5		S4S5			G5	uncommon	√					
<i>Glyceria</i>	<i>striata</i>	3	-5		S5			G5					√		
<i>Phalaris</i>	<i>arundinacea</i>		-4	-2	S5			G5			√		√	√	

# Appendix B. Plant Species List



BOTANICAL NAME		COMMON NAME	Coef. of Conserv.	Wetness Index	Weediness Index	Provincial Status	OMNR Status	COSEWIC Status	Global Status	Ottawa Region Status	Woodlots on Landfill Site	Wetland in North East	West Forest	Goulbourne Wetland	Old Field Habitat
<i>Phragmites</i>	<i>australis</i>	Common Reed	0	-4		S5			G5		√				
<i>Poa</i>	<i>compressa</i>	Canada Blue Grass		2	-2	S5			G?						√
<i>Poa</i>	<i>palustris</i>	Fowl Meadow Grass	5	-4		S5			G5						√
<i>Poa</i>	<i>pratensis</i>	Kentucky Bluegrass		1	-2	S5			G5T						√
<b>Potamogetonaceae</b>		<b>Pondweed Family</b>													
<i>Potamogeton</i>	<i>species</i>	pondweed species									√				
<b>Typhaceae</b>		<b>Cattail Family</b>													
<i>Typha</i>	<i>angustifolia</i>	Narrow-leaved Cattail	3	-5		S5			G5		√			√	
<i>Typha X</i>	<i>glauca</i>	Glaucous Cattail	3	-5		S5			HYB	uncommon	√			√	

## FLORISTIC SUMMARY & ASSESSMENT

### Species Diversity

Total Species:	194	
Native Species:	156	80.41%
Exotic Species:	38	19.59%
Regionally Significant Species:	none Rare but 22 Uncommon	
Species at Risk:	1	
S1-S3 Species:	1	
S4 Species:	0	
S5 Species:	160	

# Appendix C

## Bird Species Recorded Within the On-site Study Area



## Appendix C. Bird Species Recorded Within the On-site Study Area



Common Name	Scientific Name	Species at Risk		Area sensitive	Existing Landfill			North of Landfill		West of Wm Mooney Rd	
		COSEWIC	COSSARO		Site Visit May 3, 2001	BBS* June 3, 2011	BBS June 16, 2011	BBS June 3, 2011	BBS June 16, 2011	BBS June 3, 2011	BBS June 16, 2011
Green Heron	<i>Butorides virescens</i>					1					
Canada Goose	<i>Branta canadensis</i>				10	6	8	70			
Mallard	<i>Anas platyrhynchos</i>				5	1	6	2		1	
Blue-winged Teal	<i>Anas discors</i>				2						
Ring-necked Duck	<i>Aythya collaris</i>				3						
Lesser Scaup	<i>Aythya affinis</i>				1						
Turkey Vulture	<i>Cathartes aura</i>									1	
Red-tailed Hawk	<i>Buteo jamaicensis</i>				1			1	1		1
American Kestrel	<i>Falco sparverius</i>									1	
Wild Turkey	<i>Meleagris gallopavo</i>				3	1			1	2	3
Ruffed Grouse	<i>Bonasa umbellus</i>										1
Virginia Rail	<i>Rallus limicola</i>				1						
Killdeer	<i>Charadrius vociferus</i>							1	1		
Spotted Sandpiper	<i>Actitis macularia</i>				3	2	1	1	1		
Ring-billed Gull	<i>Larus delawarensis</i>				10	20	40				
Mourning Dove	<i>Zenaida macroura</i>									2	1
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>			A			1			1	
Downy Woodpecker	<i>Picoides pubescens</i>									1	
Hairy Woodpecker	<i>Picoides villosus</i>			A			1				
Northern Flicker	<i>Colaptes auratus</i>							1	1	1	
Pileated Woodpecker	<i>Dryocopus pileatus</i>			A		1					
Eastern Wood-Pewee	<i>Contopus virens</i>										2
Alder Flycatcher	<i>Empidonax alnorum</i>									6	2
Least Flycatcher	<i>Empidonax minimus</i>			A		2					
Eastern Phoebe	<i>Sayornis phoebe</i>							1		2	1
Great Crested Flycatcher	<i>Myiarchus crinitus</i>									2	1
Eastern Kingbird	<i>Tyrannus tyrannus</i>					1					
Tree Swallow	<i>Tachycineta bicolor</i>					5	2				
Bank Swallow	<i>Riparia riparia</i>					30 (100 nests)	20				
Barn Swallow	<i>Hirundo rustica</i>	THR				3			1	2	3
Blue Jay	<i>Cyanocitta cristata</i>					1	2			2	2
American Crow	<i>Corvus brachyrhynchos</i>					2	2	1	2	2	2
Common Raven	<i>Corvus corax</i>						2			2	2
Black-capped Chickadee	<i>Poecile atricapillus</i>				5	3			2	1	2
White-breasted Nuthatch	<i>Sitta carolinensis</i>			A						1	
House Wren	<i>Troglodytes aedon</i>									1	
Veery	<i>Catharus fuscescens</i>			A						1	1

## Appendix C. Bird Species Recorded Within the On-site Study Area



Common Name	Scientific Name	Species at Risk		Area sensitive	Existing Landfill			North of Landfill		West of Wm Mooney Rd	
		COSEWIC	COSSARO		Site Visit May 3, 2001	BBS* June 3, 2011	BBS June 16, 2011	BBS June 3, 2011	BBS June 16, 2011	BBS June 3, 2011	BBS June 16, 2011
Wood Thrush	<i>Hylocichla mustelina</i>										2
American Robin	<i>Turdus migratorius</i>					7	3	5	1	9	3
Gray Catbird	<i>Dumetella carolinensis</i>									2	2
Brown Thrasher	<i>Toxostoma rufum</i>					1			1	1	2
Cedar Waxwing	<i>Bombycilla cedrorum</i>							1			
European Starling	<i>Sturnus vulgaris</i>				20	5	5	2	1	9	2
Warbling Vireo	<i>Vireo gilvus</i>					3	1				
Red-eyed Vireo	<i>Vireo olivaceus</i>					3	2	1		3	1
Yellow Warbler	<i>Dendroica petechia</i>					6			1	6	4
Magnolia Warbler	<i>Dendroica magnolia</i>			A						1	
Black-and-white Warbler	<i>Mniotilta varia</i>			A					1	1	2
American Redstart	<i>Setophaga ruticilla</i>			A		3	1	1		2	1
Ovenbird	<i>Seiurus aurocapillus</i>			A		3	1			3	1
Northern Waterthrush	<i>Seiurus noveboracensis</i>			A		1				1	
Mourning Warbler	<i>Oporornis philadelphia</i>					1	1			1	
Common Yellowthroat	<i>Geothlypis trichas</i>					3	1	1		6	3
Northern Cardinal	<i>Cardinalis cardinalis</i>					2					
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>					1				1	
Chipping Sparrow	<i>Spizella passerina</i>							1		1	1
Vesper Sparrow	<i>Pooecetes gramineus</i>					1					
Savannah Sparrow	<i>Passerculus sandwichensis</i>			A		1		4	2	7	2
Song Sparrow	<i>Melospiza melodia</i>				3	13	3	4	2	11	8
Swamp Sparrow	<i>Melospiza georgiana</i>									3	
White-throated Sparrow	<i>Zonotrichia albicollis</i>										1
Red-winged Blackbird	<i>Agelaius phoeniceus</i>				15	17	4	16	6	3	2
Eastern Meadowlark	<i>Sturnella magna</i>	THR		A						5	2
Common Grackle	<i>Quiscalus quiscula</i>				5	1		2	1	2	
Brown-headed Cowbird	<i>Molothrus ater</i>									3	
Baltimore Oriole	<i>Icterus galbula</i>					3		1	2	1	
Purple Finch	<i>Carpodacus purpureus</i>									1	
American Goldfinch	<i>Carduelis tristis</i>					5	1	1		3	1
House Sparrow	<i>Passer domesticus</i>				1					3	
TOTAL SPECIES					16	34	22	21	19	45	32
TOTAL INDIVIDUALS					88	159	108	118	29	121	64

COSEWIC = Committee on the Status of Endangered Wildlife in Canada (2011);  
COSSARO = Committee on the Status of Species at Risk in Ontario (2011)

THR = Threatened  
\* BBS = Breeding Bird Survey