

## APPENDIX C

**TABLE C1: ELC vegetation communities of Wilket Creek floodplain between Eglinton Ave. and Lawrence Ave. E. (TRCA, 2004)**

ELC Community Class	Community Series	Ecosite	Vegetation Type	Code	Vegetation Characteristics	TRCA L-Rank	Area (Ha.)
<b>Beach/Bar</b>	Open Beach / Bar	Mineral Open Beach / Bar	Riparian Sand / Gravel Bar	BBO1-a	-Tree cover < 25%; Shrub cover < 25% -Cover varies from patchy and barren to continuous meadow	L4	0.04
<b>Bluff</b>	Open Bluff	Mineral Open Bluff	No Data Available	BLO1	-Tree cover < 25%; Shrub cover < 25%	L4	0.18
	Treed Bluff	Mineral Treed Bluff	Deciduous Treed Bluff	BLT1-b	-25% < tree cover < 60% -Trembling Aspen, Largetooth Aspen and Staghorn Sumac	L3	0.09
<b>Cultural</b>	Cultural Hedgerow	Mineral Cultural Hedgerow	Treed Hedgerow	CUH1-a	-Tree cover >25%. Treat rows of planted conifers as CUP3.	L5	1.11
	Cultural Meadow	Mineral Cultural Meadow	Exotic Cool-season Grass Old Field Meadow	CUM1-b	-Tree cover < 25%; Shrub cover < 25%	L+	1.11
	Cultural Plantation	Deciduous Plantation	Black Locust Deciduous Plantation	CUP1-c	-Deciduous tree species > 75% of canopy cover	L+	1.08
		Mixed Plantation	Hybrid Poplar - Conifer Mixed Plantation	CUP2-f	-Coniferous tree species > 25% and deciduous tree species > 25% of canopy cover	L+	0.6
		Coniferous Plantation	Mixed Conifer Coniferous Plantation	CUP3-h	-Coniferous tree species > 75% -Blend of native and exotic conifers or all exotic	L5	0.08
	Cultural Savannah	Mineral Cultural Savannah	Sumac Cultural Thicket	CUS1-a1	-25% < tree cover < 35%	L5	0.17
			Exotic Cultural Savannah	CUS1-b	-25% < tree cover < 35%	L+	0.3
			Hawthorn Cultural Savannah	CUS1-1	-25% < tree cover < 35%	L5	0.17
			Exotic Cultural Savannah	CUS1-b	-25% < tree cover < 35%	L+	0.47

**TABLE C1 (continued): ELC vegetation communities of Wilket Creek floodplain between Eglinton Ave. and Lawrence Ave. E. (TRCA, 2004)**

ELC Community Class	Community Series	Ecosite	Vegetation Type	Code	Vegetation Characteristics	TRCA L-Rank	Area (Ha.)
<b>Cultural</b>	Cultural Thicket	Mineral Cultural Thicket	Sumac Cultural Thicket	CUT1-1	-Tree cover < 25%; Shrub cover > 25%	L5	0.58
			Buckthorn Cultural Thicket	CUT1-b	-Tree cover < 25%; Shrub cover > 25% -Eu Buckthorn in morE-or-less pure stands	L+	0.3
	Cultural Woodland	Mineral Cultural Woodland	Native Deciduous Cultural Woodland	CUW1-A3	-35% < tree cover < 60% -Open-grown native trees (not Oak or Hawthorn)	L5	0.39
			Exotic Cultural Woodland	CUW1-b	-35% < tree cover < 60% -Abandoned homesteads and formerly manicured yards	L+	0.37
<b>Forest</b>	Deciduous Forest	Dry - Fresh Deciduous Forest	Dry - Fresh White Ash Deciduous Forest	FOD4-2	-Tree cover > 60% -White Ash dominant. Likely Disturbance - or management-related	L5	0.34
		Dry - Fresh Sugar Maple Deciduous Forest	Dry - Fresh Sugar Maple Deciduous Forest	FOD5-1	-Deciduous tree species > 75% of canopy -Almost entirely dominated by Sugar Maple	L5	2.7
			Dry - Fresh Sugar Maple - Beech Deciduous Forest	FOD5-2	-Deciduous tree species > 75% of canopy	L5	6.28
			Dry - Fresh Sugar Maple - Oak Deciduous Forest	FOD5-3	-Deciduous tree species > 75% of canopy -Sugar maple with Red Oak >> White Oak	L4	13.07
		Fresh - Moist Sugar Maple Deciduous Forest	Fresh - Moist Sugar Maple - Lowland Ash Deciduous Forest	FOD6-1	-Deciduous tree species > 75% of canopy Sugar Maple with Green Ash, Black Ash most common, widespread type	L5	0.94
			Fresh - Moist Sugar Maple - Hardwood Deciduous Forest	FOD6-5	-Deciduous tree species > 75% of canopy -Other more common associations with Sugar Maple on moist soils may include Beech, Basswood, Oak, Hickory, Red Maple and others	L5	0.62

**TABLE C1 (continued): ELC vegetation communities of Wilket Creek floodplain between Eglinton Ave. and Lawrence Ave. E. (TRCA, 2004)**

ELC Community Class	Community Series	Ecosite	Vegetation Type	Code	Vegetation Characteristics	TRCA L-Rank	Area (Ha.)
<b>Forest</b>	Deciduous Forest	Fresh - Moist Lowland Deciduous Forest	Fresh-Moist Manitoba Maple Lowland Deciduous Forest	FOD7-a	-Typically more open canopies - may be < 60% tree cover -Mixture of herbaceous species common to wet sites	L5	0.55
	Mixed Forest	Dry - Fresh White Pine - Maple - Oak Mixed Forest	Dry - Fresh White Pine - Sugar Maple Mixed Forest	FOM2-2	-Conifer tree species > 75% of canopy cover -White Cedar dominant, or shares dominance with White Spruce or Balsam Fir	L5	0.43
		Fresh - Moist Hemlock Mixed Forest	Fresh - Moist Hemlock - Hardwood Mixed Forest	FOM6-1	-Conifer tree species > 25% and deciduous tree species > 25% of canopy cover -Hemlock with Sugar Maple; Sugar Maple > 25% of canopy cover	L4	15.1
		Fresh - Moist White Cedar - Hardwood Mixed	Fresh-Moist White Cedar - Hardwood Mixed Forest	FOM7-2	-White Cedar with Black Ash, Trembling Aspen, White Birch, Yellow Birch and Red Maple -Typically on the moist end of the moisture regime gradient	L4	1.51
<b>Marsh</b>	Meadow Marsh	Mineral Meadow Marsh	Three-square Mineral Shallow Marsh	MAM2-6	-Species less tolerant of prolonged flooding	L4	0.17
			Bur-reed Mineral Shallow Marsh	MAM2-7	-Species less tolerant of prolonged flooding	L3	0.06
			Jewelweed Mineral Meadow Marsh	MAM2-9	-Species less tolerant of prolonged flooding	L4	0.12
	Shallow Marsh	Mineral Shallow Marsh	Cattail Mineral Shallow Marsh	MAS2-1	-Tree and shrub cover < 25%, hydrophytic emergent	L4	0.06
<b>Open Water</b>	Open Aquatic	Turbid Open Aquatic (disturbed)	Turbid Open Aquatic (disturbed)	OAO1-T	-No macrophyte vegetation, no tree or shrub cover, plankton dominated	L+	3.49

**TABLE C1 (continued): ELC vegetation communities of Wilket Creek floodplain between Eglinton Ave. and Lawrence Ave. E. (TRCA, 2004)**

ELC Community Class	Community Series	Ecosite	Vegetation Type	Code	Vegetation Characteristics	TRCA L-Rank	Area (Ha.)
<b>Swamp</b>	Deciduous Swamp	Mineral Deciduous Swamp	Willow Mineral Deciduous Swamp	SWD4-1	-Tree cover > 25%, trees > 25 m in height, deciduous tree species > 75% of canopy cover, dominated by hydrophytic shrubs and tree species, typically fern and sedge rich	L5	0.13
			White Elm Mineral Deciduous Swamp	SWD4-2	-Tree cover > 25%, trees > 25 m in height, deciduous tree species > 75% of canopy cover, dominated by hydrophytic shrubs and tree species, typically fern and sedge rich	L4	0.1
			White Birch - Poplar Mineral Deciduous Swamp	SWD4-3	-Tree cover > 25%, trees > 25 m in height, deciduous tree species > 75% of canopy cover, dominated by hydrophytic shrubs and tree species, typically fern and sedge rich	L4	0.04
			Yellow Birch Mineral Deciduous Swamp	SWD4-4	-Yellow Birch with Red Maple.	L3	0.29
	Thicket Swamp	Mineral Thicket Swamp	Silky Dogwood Mineral Thicket Swamp	SWT2-8	-Tree cover < 25%; hydrophytic shrubs > 25%	L3	0.60
<b>Unclassified</b>				M		n/a	11.44

**TABLE C2: Flora plant species found in Wilket Creek study area in 2000 and 2004 (TRCA, 2004)**

	Scientific Name	Common Name	TRCA L-Rank (2003)
Trees	<i>Abies balsamea</i>	Balsam Fir	L3
	<i>Acer negundo</i>	Manitoba Maple	L+
	<i>Acer platanoides</i>	Norway Maple	L+
	<i>Acer rubrum</i>	Red Maple	L4
	<i>Acer saccharum</i>	Silver Maple	L4
	<i>Acer spicatum</i>	Mountain Maple	L4
	<i>Betula alleghaniensis</i>	Yellow Birch	L4
	<i>Betula papyrifera</i>	Paper Birch	L4
	<i>Carya cordiformis</i>	Bitternut Hickory	L4
	<i>Diervilla lonicera</i>	Northern Bush Honeysuckle	L4
	<i>Fagus grandifolia</i>	American Beech	L4
	<i>Fraxinus americana</i>	White Ash	L5
	<i>Juglans cinerea</i>	Butternut	L3
	<i>Juglans nigra</i>	Black Walnut	L5
	<i>Ostrya virginiana</i>	Ironwood	L5
	<i>Pinus banksiana</i>	Jack Pine	L+
	<i>Picea glauca</i>	White Spruce	L3
	<i>Pinus resinosa</i>	Red Pine	L2
	<i>Pinus strobus</i>	White Pine	L4
	<i>Populus balsamifera</i>	Balsam Poplar	L5
	<i>Populus deltoides</i>	Eastern Cottonwood	L5
	<i>Populus xcanadensis</i>	Carolina Poplar	L+
	<i>Prunus serotina</i>	Black Cherry	L5
	<i>Prunus virginiana</i>	Choke Cherry	L5
	<i>Quercus alba</i>	White Oak	L2
	<i>Quercus macrocarpa</i>	Bur Oak	L4
	<i>Quercus rubra</i>	Red Oak	L4
	<i>Robinia pseudoacacia</i>	Black Locust	L+
<i>Salix xrubens</i>	Hybrid White Willow	L+	
<i>Tilia americana</i>	Basswood	L5	
<i>Tilia cordata</i>	Little-Leaf Linden	L+	
<i>Thuja occidentalis</i>	Eastern White Cedar	L4	
<i>Tsuga canadensis</i>	Eastern Hemlock	L4	
<i>Ulmus pumila</i>	Siberian Elm	L+	
Shrubs	<i>Cornus amomum ssp. obliqua</i>	Silky Dogwood	L3
	<i>Cornus rugosa</i>	Round-leaved Dogwood	L4
	<i>Cornus stolonifera</i>	Red-osier Dogwood	L5
	<i>Crataegus spp.</i>	Hawthorn	n/a
	<i>Hamamelis virginiana</i>	American Witch-hazel	L3
	<i>Lonicera dioica</i>	Glaucous Honeysuckle	L3
	<i>Rhamnus cathartica</i>	European Buckthorn	L+
<i>Rhus typhina</i>	Staghorn Sumac	L5	
Ground	<i>Actaea pachypoda</i>	White Baneberry	L4
	<i>Allium tricoccum</i>	Wild Leek	L4
	<i>Anemone acutiloba</i>	Sharplobe Hepatica	L3
	<i>Anemone quinquefolia var. quinquefolia</i>	Wood Anome	L3
	<i>Aquilegia canadensis</i>	Wild Columbine	L3
	<i>Aralia racemosa ssp. racemosa</i>	American Spikenard	L3
	<i>Arisaema triphyllum</i>	Jack-in-the-Pulpit	L5
	<i>Asarum canadense</i>	Canadian Wild Ginger	L4
	<i>Athyrium filix-femina var. angustum</i>	Common Ladyfern	L5
	<i>Brachyelytrum erectum</i>	Bearded Shorthusk	L3
	<i>Caltha palustris</i>	Yellow Marsh Marigold	L4
	<i>Calystegia spp.</i>	Bindweed Species	L5
	<i>Cardamine diphylla</i>	Two-leaf Toothwort	L4
	<i>Cardamine pensylvanica</i>	Pennsylvania Bittercress	L4
	<i>Carex arcata</i>	Drooping Woodland Sedge	L4
	<i>Carex cephalophora</i>	Oval-leaf Sedge	L3
	<i>Carex communis</i>	Fibrous-root Sedge	L4
	<i>Carex eburnea</i>	Bristle-leaf Sedge	L3
<i>Carex hirtifolia</i>	Pubescent Sedge	L4	
<i>Carex hystericina</i>	Bottlebrush Sedge	L4	

**TABLE C2 (continued): Flora plant species found in Wilket Creek study area in 2000 and 2004 (TRCA, 2004)**

	Scientific Name	Common Name	TRCA L-Rank (2003)
<b>Ground</b>	<i>Carex lacustris</i>	Hairy Sedge	L4
	<i>Carex laevivaginata</i>	Smooth-sheath Sedge	L3
	<i>Carex laxiflora</i>	Broad Looseflower Sedge	L4
	<i>Carex peckii</i>	Peck's Sedge	L4
	<i>Carex pedunculata</i>	Long-stalk Sedge	L4
	<i>Carex plantaginea</i>	Plantain-leaf Sedge	L3
	<i>Carex platyphylla</i>	Broad-leaved Sedge	L3
	<i>Carex scabrata</i>	Eastern Rough Sedge	L4
	<i>Carex sparganioides</i>	Bur-reed Sedge	L4
	<i>Carex trichocarpa</i>	Hairy-fruit Sedge	L3
	<i>Caulophyllum giganteum</i>	Blue Cohosh	L4
	<i>Chelone glabra</i>	White Turtlehead	L3
	<i>Claytonia virginica</i>	Virginia Springbeauty	L3
	<i>Corylus cornuta</i>	Beaked Hazelnut	L4
	<i>Cystopteris bulbifera</i>	Bulblet Bladder Fern	L4
	<i>Desmodium glutinosum</i>	Pointed-leaf Tick-trefoil	L3
	<i>Dirca palustris</i>	Eastern Leatherwood	L3
	<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	L5
	<i>Dryopteris intermedia</i>	Intermediate Wood Fern	L4
	<i>Dryopteris marginalis</i>	Marginal Shield Fern	L4
	<i>Elymus riparius</i>	Riverbank Wild Rye	L4
	<i>Equisetum pratense</i>	Meadow Horsetail	L3
	<i>Equisetum scirpoides</i>	Dwarf Scouringrush	L3
	<i>Equisetum sylvaticum</i>	Woodland Horsetail	L3
	<i>Eupatorium perfoliatum</i>	Common Boneset	L4
	<i>Heracleum lanatum</i>	Cow-parsnip	L5
	<i>Impatiens pallida</i>	Pale Jewelweed	L4
	<i>Maianthemum canadense</i>	Canada Mayflower	L4
	<i>Maianthemum racemosum</i> ssp. <i>racemosum</i>	False Solomon's Seal	L5
	<i>Mitella diphylla</i>	Two-leaf Miterwort	L3
<b>Ground</b>	<i>Monotropa uniflora</i>	Indian Pipe	L3
	<i>Onoclea sensibilis</i>	Sensitive Fern	L5
	<i>Oryzopsis asperifolia</i>	Rough-leaf Rice Grass	L3
	<i>Oryzopsis racemosa</i>	Black-fruited Mountain-Rice	L3
	<i>Osmorhiza longistylis</i>	Aniseroot	L3
	<i>Pilea fontana</i>	Lesser Clearweed	L3
	<i>Podophyllum peltatum</i>	May Apple	L5
	<i>Polygonatum pubescens</i>	Hairy Solomon's Seal	L4
	<i>Polygonum amphibium</i>	Water Smartweed	L4
	<i>Polystichum acrostichoides</i>	Christmas Fern	L3
	<i>Ranunculus hispidus</i> var. <i>caricetorum</i>	Swamp Buttercup	L3
	<i>Ribes triste</i>	Swamp Red Currant	L3
	<i>Sagittaria latifolia</i>	Broadleaf Arrowhead	L4
	<i>Sanguinaria canadensis</i>	Bloodroot	L5
	<i>Schizachne purpurascens</i> ssp. <i>purpurascens</i>	Weak-stalk Bulrush	L4
	<i>Scirpus microcarpus</i>	Panicled Bulrush	L4
	<i>Scirpus</i> spp.	Bulrush Species	L4
	<i>Symplocarpus foetidus</i>	Skunk Cabbage	L4
	<i>Taxus canadensis</i>	Canada Yew	L3
	<i>Thelypteris palustris</i> var. <i>pubescens</i>	Eastern Marsh Fern	L4
	<i>Monotropa uniflora</i>	Indian Pipe	L3
	<i>Onoclea sensibilis</i>	Sensitive Fern	L5
	<i>Oryzopsis asperifolia</i>	Rough-leaf Rice Grass	L3
	<i>Oryzopsis racemosa</i>	Black-fruited Mountain-Rice	L3
	<i>Osmorhiza longistylis</i>	Aniseroot	L3
	<i>Pilea fontana</i>	Lesser Clearweed	L3
	<i>Podophyllum peltatum</i>	May Apple	L5
	<i>Polygonatum pubescens</i>	Hairy Solomon's Seal	L4
	<i>Polygonum amphibium</i>	Water Smartweed	L4
	<i>Polystichum acrostichoides</i>	Christmas Fern	L3
<i>Ranunculus hispidus</i> var. <i>caricetorum</i>	Swamp Buttercup	L3	

**TABLE C2 (continued): Flora plant species found in Wilket Creek study area in 2000 and 2004 (TRCA, 2004)**

	Scientific Name	Common Name	TRCA L-Rank (2003)
<b>Ground</b>	<i>Ribes triste</i>	Swamp Red Currant	L3
	<i>Sagittaria latifolia</i>	Broadleaf Arrowhead	L4
	<i>Sanguinaria canadensis</i>	Bloodroot	L5
	<i>Schizachne purpurascens</i> ssp. <i>purpurascens</i>	Weak-stalk Bulrush	L4
	<i>Scirpus microcarpus</i>	Panicled Bulrush	L4
	<i>Scirpus</i> spp.	Bulrush Species	L4
	<i>Symplocarpus foetidus</i>	Skunk Cabbage	L4
	<i>Taxus canadensis</i>	Canada Yew	L3
	<i>Thelypteris palustris</i> var. <i>pubescens</i>	Eastern Marsh Fern	L4
	<i>Tiarella cordifolia</i>	Heart-leaf Foam Flower	L4
	<i>Trientalis borealis</i> ssp. <i>borealis</i>	Northern Starflower	L3
	<i>Trillium erectum</i>	Red Trillium	L4
	<i>Trillium grandiflorum</i>	Large-flowered Trillium	L4
	<i>Typha latifolia</i>	Broadleaf Cattail	L4
	<i>Viburnum acerifolium</i>	Maple leaf Viburnum	L3
<i>Viola cucullata</i>	Marsh Blue Violet	L3	