

NEWPORT FOREST CHECKLIST OF BIOTA Last update: August 29 2010

The following list contains information on all species observed or collected in Newport Forest since the property was acquired in June of 2000. A few records from prior years are included. We thank the many expert individuals who have assisted us with the ATBI survey.

Each entry consists of a common name, scientific name, and a three-part code that reflects the locale in which the species was observed or collected, the name of the collector (lower case initials) concatenated with the name of the identifier (upper case initials), and the date the species was collected or observed. In cases where the identifier was also the observer/collector, only one name appears. (See the Personnel Codes at end of document.)

Scientific names or portions thereof are placed in square brackets where the identification is uncertain. Typically, this device is used when reference materials are incomplete; the name in square brackets reflecting the species in our references that most closely matched the characters of the specimen observed or collected. It may be assumed that a majority of species so named are named correctly, although assuredly not all of them. The common name is sometimes replaced by a generic name (e.g. Robber fly) when no common name is available or by a made-up common name that is intended to convey an important feature of the species in question or by a letter designation (e.g. sp. A) when a more detailed description is necessary. The latter sort of name is enclosed in single quotes.

Where possible, we have included the provincial (NHIC) S-rankings as an indication of the relative abundance or rarity of species at the provincial level. The rankings range from S1 (rare) to S5 (common).

The current total species count stands at **1656**

By kingdom:	Plantae	458
	Animalia	833
	Protista	140
	Fungi & Lichens	206
	Eubacteria	11

The list is prefaced by a census of the woody plants of Newport Forest, these forming the ecological “backbone” of the supercommunity. The comprehensive checklist begins immediately after that.

Newport Forest Checklist of Woody Species

This checklist has been divided into the standard size classes associated with woody species that favour forested habitats, even though some of them are open-field or sun-intolerant trees or shrubs.

Common name	Scientific name	Locale
Canopy Trees		
Box Elder	<i>Acer negundo</i>	RSF
Black Maple	<i>Acer nigrum</i>	RSF/HBF
Red Maple	<i>Acer rubrum</i>	BCF
Silver Maple	<i>Acer saccharinum</i>	RSF/R/W
Sugar Maple	<i>Acer saccharum</i>	RSF
Bitternut Hickory	<i>Carya cordiformis</i>	RSF
Shagbark Hickory	<i>Carya ovata</i>	FCF/LM
Northern Catalpa	<i>Catalpa speciosa</i>	UM/ER
Hackberry	<i>Celtis occidentalis</i>	RSF
American Beech	<i>Fagus grandifolia</i>	RSF/HB
White Ash	<i>Fraxinus americana</i>	RSF KD
Red Ash	<i>Fraxinus pennsylvanica</i>	BC/E
Blue Ash	<i>Fraxinus quadrangulata</i>	BCF
Black Walnut	<i>Juglans nigra</i>	BCF/ET
Scotch Pine	<i>Pinus sylvestris</i>	TR/blfs
Sycamore	<i>Platanus occidentalis</i>	RSF
Eastern Cottonwood	<i>Populus deltoides</i>	RSF/R
Large-toothed Aspen	<i>Populus grandidentata</i>	HB/N
Quaking Aspen	<i>Populus tremuloides</i>	RBT
Black Cherry	<i>Prunus serotina</i>	HB
White Oak	<i>Quercus alba</i>	HBF
Swamp White Oak	<i>Quercus bicolor</i>	BCF
Bur Oak	<i>Quercus macrocarpa</i>	GF/LM
Chinquapin Oak	<i>Quercus muehlenbergii</i>	HBF
Red Oak	<i>Quercus rubra</i>	HBF
Black Willow	<i>Salix x nigra</i>	BCF
Sassafras	<i>Sassafras albidum</i>	TH
American Basswood	<i>Tilia americana</i>	RSF/HB
Slippery Elm	<i>Ulmus rubra</i>	BCF

Understory (trees)

Common Shadbush	<i>Amelanchier arborea</i>	GF/FC
Eastern Flowering Dogwood	<i>Cornus florida</i>	RB
Blue-Beech	<i>Carpinus caroliniana</i>	HBF
Hawthorn	<i>Crataegus compacta</i>	FCF/LM
Hawthorn	<i>Crataegus crus-galli</i>	FCF/LM
Hawthorn	<i>Crataegus macracantha</i>	RB
Hawthorn	<i>Crataegus mollis</i>	FCN
Hawthorn	<i>Crataegus punctata</i>	RB
Hawthorn	<i>Crataegus succulenta</i>	HB
Autumn Olive*	<i>Eleagnus umbellata</i>	TRB
Eastern Redcedar	<i>Juniperus virginiana</i>	LM/FCF
Crabapple	<i>Malus coronaria</i>	FCF/LM
(Wild) Apple*	<i>Malus domestica</i>	BCF
Domestic Apple	<i>Malus pumila</i>	TH
White Mulberry	<i>Morus alba</i>	FCF/E KD
Ironwood	<i>Ostrya virginiana</i>	HBF
American Plum	<i>Prunus americanus</i>	HB/W
Domestic Pear*	<i>Pyrus communis</i>	UMF
Common Buckthorn*	<i>Rhamnus cathartica</i>	GF
White Willow	<i>Salix alba</i>	RSF/R/W
Sandbar Willow	<i>Salix exigua</i>	SB
Bladdernut	<i>Staphylea trifolia</i>	BCF
Eastern White-cedar	<i>Thuja occidentalis</i>	RL

Understory (vines)

Bittersweet	<i>Celastrus scandens</i>	BCF/ET
Virgin's Bower	<i>Clematis virginiana</i>	BCF
Moonseed Vine	<i>Menispermum canadense</i>	BCF/E
Virginia Creeper	<i>Parthenocissus vitacea</i>	BCF
Climbing Poison Ivy	<i>Toxicodendron radicans</i> (negundo)	RSF
Summer Grape	<i>Vitis aestivalis</i>	BCtr
Riverbank Grape	<i>Vitis riparia</i>	RSF

Shrub Layer

Buttonbush	<i>Cephalanthus occidentalis</i>	BC/E
Gray Dogwood	<i>Cornus racemosa</i>	ER
Red Osier Dogwood	<i>Cornus stolonifera</i>	EW
Spicebush	<i>Lindera benzoin</i>	BCF/HB
Red Honeysuckle	<i>Lonicera dioica</i>	RSF
Trumpet Honeysuckle	<i>Lonicera [sempervirens]</i>	HB
Tatarian Honeysuckle	<i>Lonicera tatarica</i>	RB

White-flowered Honeysuckle	<i>Lonicera</i> sp.	RB
Ninebark	<i>Physocarpus opulifolius</i>	RBT
Pincherry	<i>Prunus pensylvanica</i>	Nk pd/KD
Sand Cherry	<i>Prunus susquehanae</i>	EW/E
Chokecherry	<i>Prunus virginiana</i>	RL
Fragrant Sumac	<i>Rhus aromatica</i>	LM/GF
Staghorn Sumac	<i>Rhus typhina</i>	RSF PD
Prickly Gooseberry	<i>Ribes cynosbati</i>	BCF/LM
Bristly Black Currant	<i>Ribes lacustre</i>	RSF/HB
Multiflora Rose*	<i>Rosa multiflora</i>	RSF
Elderberry	<i>Sambucus canadensis</i>	RSF/N
Maple-leaved Viburnum	<i>Viburnum acerifolium</i>	HB/S
Nannyberry	<i>Viburnum lentago</i>	HB/W
Downy Arrow-wood	<i>Viburnum rafinesquianum</i>	HB
Highbush Cranberry	<i>Viburnum trilobum</i>	BCT
Prickly Ash	<i>Zanthoxylum americanum</i>	HBF

Ground Layer

Running Strawberry	<i>Euonymus obovatus</i>	RSF
Creeping Poison Ivy	<i>Toxicodendron radicans</i> (rydbergii)	BCF

* introduced species

PLANTAE (458)

Common name	Scientific name	Locale/by/date
CONIFEROPHYTA (3)		
Cupressaceae		
Eastern Redcedar	<i>Juniperus virginiana</i>	LM/FCF Nv02/00
Eastern White-cedar	<i>Thuja occidentalis</i>	RL SL Ap03/04
Scotch Pine	<i>Pinus sylvestris</i>	TR/blfs
ANGIOSPERMATOPHYTA (328)		
DICOTYLEDONAE (322)		
Order		
Aceraceae		
Box Elder	<i>Acer negundo</i>	RSF KD Mr07/02
Red Maple	<i>Acer rubrum</i>	BCF/470 KD J110/02
Silver Maple	<i>Acer saccharinum</i>	RSF/R/W KD Oc04/02
Black Maple	<i>Acer saccharum</i> ssp. <i>nigrum</i>	RSF/HBF KD My06/00
Sugar Maple	<i>Acer saccharum</i> ssp. <i>sacharum</i>	RSF KD Sp13/00
Amaranthaceae		
Water Hemp	<i>Amaranthus</i> c.f. <i>tuberculatus</i>	TRblfs JB Sp15/01
Tumbleweed	<i>Amaranthus albus</i>	Nk PD Sp20/08
Pigweed	<i>Chenopodium album</i>	LM PD Au30/04
Anacardaceae		
Climbing Poison Ivy	<i>Rhus radicans</i> ssp. <i>negundo</i>	BCF PD [P-lists]
Ground Poison Ivy	<i>Rhus radicans</i> ssp. <i>rydbergii</i>	BCT PD [P-lists]
Fragrant Sumac	<i>Rhus aromatica</i>	LM/GF KD Ap20/10
Staghorn Sumac	<i>Rhus typhina</i>	RSF PD [P-lists]
Apocynaceae		
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	RL PD [P-lists]
Indian Hemp	<i>Apocynum cannabinum</i>	RL PD J118/03
Apiaceae		
Goutweed	<i>Aegopodium podagraria</i>	RSF PD [P-lists]
Angelica	<i>Angelica atropurpurea</i>	RL
Harbinger of Spring	<i>Erigenia bulbosa</i>	HB PD Mr27/07
Water Hemlock	<i>Cicuta maculata</i>	BC PD date
Honewort	<i>Cryptotaenia canadensis</i>	BCF PD My17/01
Wild Carrot	<i>Daucus carota</i>	UM/ER PD So03/00
Cow Parsnip	<i>Heracleum lanatum</i>	RL PD Je18/00
Wild Parsnip	<i>Pastinaca sativa</i>	RL PD [P-lists]

Clustered Snakeroot	<i>Sanicula gregaria</i>	CPs PD My23/10
Short-styled Snakeroot	<i>Sanicula canadensis</i>	ET FBO Sp14/02
Water Parsnip	<i>Sium suave</i>	BCbd PD [P-lists]
Yellow Pimpernel	<i>Taenidia integerrima</i>	RL WEN My17/01
Golden Alexander	<i>Zizia aurea</i>	WR PD My05/01
Aristolochiaceae		
Wild Ginger	<i>Asarum canadense</i>	FCF/blff JI05/00 PD
Asclepiadaceae		
Swamp Milkweed	<i>Asclepias incarnata</i>	BC/W PD Au07/02
Common Milkweed	<i>Asclepias syriaca</i>	UM/ER PD Sp03/00
Asteraceae		
Yarrow	<i>Achillea millefolium</i>	UM/ER PD Sp03/00
Common Ragweed	<i>Ambrosia artemisiifolia</i>	UM/ER PD Sp03/00
Cat's Foot	<i>Antennaria neglecta</i>	LM
Great Ragweed	<i>Ambrosia trifida</i>	EW/fld PD Nv02/00
Common Burdock	<i>Arctium minus</i>	BCT
Biennial Wormwood	<i>Artemisia biennis</i>	RL PD [P-lists]
Heart-leaved Aster	<i>Aster cordifolius</i>	FCN JP Sp20/01
Heath Aster	<i>Aster ericoides</i>	LM JB Sp26/07
Smooth Aster	<i>Aster laevis</i>	UM
Calico Aster	<i>Aster latuiflora</i>	RSF JB Sp15/01
Side-flowering Aster	<i>Aster lateriflorus</i>	LM PD [P-lists]
Big-leaved Aster	<i>Aster macrophyllus</i>	BCF PD [P-lists]
New England Aster	<i>Aster novae-angliae</i>	UM/ER PD Sp03/00
Hairy Aster	<i>Aster pilosus</i> var. <i>pilosus</i>	LM PD [P-lists]
Pale Purple Wood Aster		WRF PD Oc01/00
Nodding Bur Marigold	<i>Bidens cernua</i>	RB JB Sp15/01
Beggar Tick	<i>Bidens frondosa</i>	RB JB Sp15/01
Swamp Beggar Tick	<i>Bidens tripartita</i>	BCF PD Sp24/00
Oxeye Daisy	<i>Chrysanthemum leucanthemum</i>	UM PD
Scotch Thistle	<i>Cirsium arvense</i>	LM PD
Canada Thistle	<i>Cirsium canadense</i>	UM/ER PD Sp03/00
Bull Thistle	<i>Cirsium vulgare</i>	LM PD Au30/04
Chicory	<i>Cichorium intybus</i>	UM PD
Horseweed	<i>Conzya canadensis</i>	MB JB Sp15/01
Annual Fleabane	<i>Erigeron annuus</i>	BCF PD [P-lists]
Canadian Horseweed	<i>Erigeron canadensis</i>	RSF kd/PD Sp14/08
Marsh Fleabane	<i>Erigeron philadelphicus</i>	RL PD [P-lists]
Robin's Plantain	<i>Erigeron pulchellus</i>	TR/CGB PD Au13/04
White Snakeroot	<i>Eupatorium rugosum</i>	BCF PD JI22/00
Common Boneset	<i>Eupatorium perfoliatum</i>	BCT PD [P-lists]
Joe-pye Weed	<i>Eupatorium maculatum</i>	BCT PD [P-lists]
Purple Joe Pye Weed	<i>Eupatorium purpureum</i>	BCF/T JB Sp15/01

Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	BCT PD [P-lists]
Sneezeweed	<i>Helenium autumnale</i>	RLKD Sp24/00
Black-eyed Susan	<i>Helenium serotina</i>	LM PD J122/00
Woodland Sunflower	<i>Helianthus divaricatus</i>	BCT PD
Tall Sunflower	<i>Helianthus giganteus</i>	BCT PD
Jerusalem Artichoke	<i>Helianthus tuberosus</i>	LM PD
False Sunflower	<i>Heliopsis helianthoides</i>	BCT PD
King Devil	<i>Hieracium caespitosum</i>	RL PD My31/01
Hawkweed	<i>Hieracium vulgatum</i>	ER PD Je10/01
Tall Blue Lettuce	<i>Lactuca biennis</i>	BCT PD [P-lists]
Tall Lettuce	<i>Lactuca canadensis</i>	BCF PD [P-lists]
Prickly Lettuce	<i>Lactuca serriola</i>	RSF JB Sp26/07
Wild Quinine	<i>Parthenium integrifolium</i>	FCF PD Au116/08
White Rattlesnake Root	<i>Prenanthes alba</i>	RL PD [P-lists]
Grey-headed Coneflower	<i>Ratibida pinnata</i>	LM/BCF PD J118/03
Black-eyed Susan	<i>Rudbeckia hirta</i>	LM PD [P-lists]
Cut-leaved Coneflower	<i>Rudbeckia laciniata</i>	LM PD J122/00
Common Groundsel	<i>Senecio vulgaris</i>	RL PD Au27/07
Cup Plant	<i>Silphium perfoliatum</i>	RL PD Je18/00
Tall Goldenrod	<i>Solidago altissima</i>	LM PD [P=lists]
Blue-stemmed Goldenrod	<i>Solidago caesia</i>	HB PD Sp24/00
Canada Goldenrod	<i>Solidago canadensis</i>	UM/ER PD Sp03/00
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	HB PD Sp24/00
Late Goldenrod	<i>Solidago gigantea</i>	RB JB Sp15/01
Early Goldenrod	<i>Solidago juncea</i>	RL PD [P-lists]
Old-field Goldenrod	<i>Solidago nemoralis</i>	UM/ER PD Sp03/00
“Ridged Goldenrod”	<i>Solidago rugosa</i>	TRT/blfs PD Oc31/04
‘Woodland Goldenrod’	<i>Solidago</i> sp.	FCN JP Sp20/01
Spiny-leaved Sow Thistle	<i>Sonchus asper</i>	HBF PD J118/03
Garden Tansy	<i>Tanacetum vulgare</i>	RSF JB Sp26/07
Dandelion	<i>Taraxacum officinale</i>	WR PD My05/01
Coltsfoot	<i>Tussilago farfara</i>	RL PD [P-lists]
Wingstem	<i>Verbesina alternifolia</i>	ET PD Oc01/00
American Brookline	<i>Veronica americana</i>	BCF/sw PD Je17/01
Common Speedwell	<i>Veronica officinalis</i>	RL PD
Thyme-leaved Speedwell	<i>Veronica serpyllifolia</i>	LM PD My16/08
Common Cocklebur	<i>Xanthium chinense</i>	RL PD Sp24/00

Balsaminaceae

Spotted Touch-me-not	<i>Impatiens capensis</i>	RSF PD
Pale Touch-me-not	<i>Impatiens pallida</i>	RSF PD J122/00

Berberidaceae

Blue Cohosh	<i>Caulophyllum thalictroides</i>	BBW KD/PD AU05/09
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May Apple	<i>Podophyllum peltatum</i>	HB/E KD Ap27/01
Betulaceae		
Yellow Birch*	<i>Betula alleghaniensis</i>	LM KD date05
River Birch*	<i>Betula nigra</i>	BCF/ET Sp25/06
Blue-Beech	<i>Carpinus caroliniana</i>	HBF KD Sp13/00
Ironwood	<i>Ostrya virginiana</i>	HBF KD Sp13/00
Boraginaceae		
Viper's Bugloss	<i>Echium vulgare</i>	WM PD J119/03
Virginia Bluebells	<i>Mertensia virginica</i>	RSF KD Ap27/01
Bignoniaceae		
Northern Catalpa	<i>Catalpa speciosa</i>	MRF KD
Brassicaceae		
Garlic mustard	<i>Alliaria petiolata</i>	FCF
Yellow Rocket	<i>Barbarea vulgaris</i>	RSF JB Sp26/07
Black Mustard	<i>Brassica nigra</i>	RL PD J118/03
Field Mustard	<i>Brassica rapa</i>	HBF PD Je08/03
Cut-leaf Toothwort	<i>Cardamine concatenata</i>	FC
Dame's Rocket	<i>Hesperis matronalis</i>	FC JB Sp26/07
Field Cress	<i>Lepidium campestre</i>	LM PD My24/01
Creeping Yellow Cress	<i>Rorippa sylvestris</i>	RL JB Sp26/07
Tumble Mustard	<i>Sisymbrium altissimum</i>	RL PD [P-lists]
Campanulaceae		
Downy Lobelia	<i>Lobelia puberula</i>	BCF PD Sp02/06
Great Blue Lobelia	<i>Lobelia siphilitica</i>	RL PD Au13/01
Cannabaceae		
Common Hop	<i>Humulus lupulus</i>	RSF JB Sp26/07
Caprifoliaceae		
Orange-fruited Horse Gentian	<i>Triosteum aurantiacum</i>	BCF/HB PD Oc22/00
Red Honeysuckle	<i>Lonicera dioica</i>	RSF PD [P-lists]
Tatarian Honeysuckle	<i>Lonicera tatarica</i>	RB PD My13/01
Elderberry	<i>Sambucus canadensis</i>	RSF/N kd/PD Ap28/04
Maple-leaved Viburnum	<i>Viburnum acerifolium</i>	HB/S KD My24/04
Nannyberry	<i>Viburnum lantago</i>	HB PD [P-lists]
European Highbush Cranberry	<i>Viburnum opulus</i>	RL JB Sp26/07
Downy Arrow-wood	<i>Viburnum rafinesqianum</i>	HB PD [P-lists]
Highbush Cranberry	<i>Viburnum trilobum</i>	BCT PD [P-lists]
Caryophyllaceae		
Deptford Pink	<i>Dianthus armeria</i>	loc? JP Sp20/01
Lesser Stitchwort	<i>Stellaria graminea</i>	UM PD [P-lists]
Celastraceae		
Climbing Bittersweet	<i>Celastrus scandens</i>	BCF GJ Au21/00
Running Strawberry	<i>Euonymus obovata</i>	WR PD My05/01
Chenopodiaceae		

Spearscale	<i>Atriplex patula</i>	RL JB Sp26/07
Lamb's Quarters, pigweed	<i>Chenopodium album</i>	RL JB Sp26/07
Convolvulaceae		
Common Dodder	<i>Cuscuta gronovii</i>	BC/W kd/PD Au07/02
Field Bindweed	<i>Convolvulus arvensis</i>	TR/Rp PD J120/09
Hedge Bindweed	<i>Convolvulus sepium</i>	SB PD Au09/04
Cornaceae		
Alternating Dogwood	<i>Cornus alternifolia</i>	Copse KD Sp26/07
Gray Dogwood	<i>Cornus racemosa</i>	ER PD Sp03/00
Eastern Flowering Dogwood	<i>Cornus florida</i>	KD RB My23/06
Red Osier Dogwood	<i>Cornus stolonifera</i>	RBIfs KD
Cruciferae		
Cutleaved Toothwort	<i>Dentaria laciniata</i>	RSF DJ Ap17/01
Cucurbitaceae		
Wild Cucumber	<i>Echinocystis lobata</i>	FC/br PD. Je18/00
Bur Cucumber	<i>Sicyos angulatus</i>	RL PD [P-lists]
Dipsacaceae		
Common Teasel	<i>Dipsacus sylvestris</i>	UM/ER PD Sp03/00
Eliagnaceae		
Russian Olive	<i>Eleagnus angustifolia</i>	TRB PD
'False Chokecherry'	<i>Eleagnus [commutatis]</i>	RL JP Sp20/01
Equisetaceae		
Field Horsetail	<i>Equisetum arvense</i>	RL PD
Ericaceae		
Bearberry	<i>Arctostaphylos uva-ursi</i>	RL PD [P-lists]
Euphorbiaceae		
Three-sided Mercury	<i>Acalypha rhomboidea</i>	RL JB Sp26/07
Cypress Spurge	<i>Euphorbia cyparissias</i>	UM PD
Fabaceae		
Hog Peanut	<i>Amphicarpa bracteata</i>	BCF PDWild J122/00
Groundnut	<i>Apios americana</i>	RL kd/PD Au22/10
Black Medick	<i>Medicago lupulina</i>	LM PD J122/00
Yellow Sweet Clover	<i>Melilotis officinalis</i>	UM/ER PD Sp03/00
Birdsfoot Trefoil	<i>Lotus corniculatus</i>	UM/ER PD Sp03/00
Yellow Sweet Clover	<i>Melilotis officinalis</i>	LM PD [P-lists]
Red Clover	<i>Trifolium pratense</i>	LM PD [P-lists]
White Clover	<i>Trifolium repens</i>	LM PD [P-lists]
Fagaceae		
American Beech	<i>Fagus grandifolia</i>	RSF/HB KD Sp13/00
White Oak	<i>Quercus alba</i>	HBF KD Sp13/00
Swamp White Oak	<i>Quercus bicolor</i>	BCF KD Sp16/00
Bur Oak	<i>Quercus macrocarpa</i>	WRF KD Oc01/00
Chinquapin Oak	<i>Quercus muehlenbergii</i>	HBF KD Oc16/00

Red Oak	<i>Quercus rubra</i>	HBF KD Sp13/00
Fumariaceae		
Dutchman's Breeches	<i>Dicentra cucullaria</i>	FCFPD My06/00
Geraniaceae		
Wild Geranium	<i>Geranium maculatum</i>	FCFPD My06/00
Grossulariaceae		
Wild Black Currant	<i>Ribes americanum</i>	WR PD My05/01
Prickly Gooseberry	<i>Ribes cynosbati</i>	BCT PD [P-lists]
Guttiferae		
Common St. John's-wort	<i>Hypericum perforatum</i>	LM PD
Spotted St Johns Wort	<i>Hypericum punctatum</i>	Ho PD J124/08
Hydrophyllaceae		
Virginia Waterleaf	<i>Hydrophyllum virginianum</i>	HB PD [P-lists]
Juglandaceae		
Bitternut Hickory	<i>Carya cordiformis</i>	RSF KD Sp13/00
Shagbark Hickory	<i>Carya ovata</i>	FCF/LM KD Oc01/00
Butternut	<i>Juglans cinerea</i>	LM KD J117/07
Black Walnut	<i>Juglans nigra</i>	BCF/ET KD Ap09/00
Lamiaceae		
Ground Ivy	<i>Glechoma hederacea</i>	RSF JB Sp26/07
Virginia Bugleweed	<i>Lycopus virginicus</i>	FC/LR PD Au31/08
Northern Bugleweed	<i>Lycopus uniflorus</i>	RSF JB Sp26/07
Wild Mint	<i>Mentha arvensis</i>	RL JB Sp26/07
Wild Bergomont	<i>Monarda fistulosa</i>	LM/ET PD Au05/00
Self-heal	<i>Prunella vulgaris</i>	HB PD Oc22/00
Hairy Skullcap	<i>Scutellaria elliptica</i>	KD HB J110/06
Hedge Nettle	<i>Stachys</i> sp.	BCbd PD [P-lists]
Wood Sage	<i>Teucrium canadense</i>	BCT PD [P-lists]
Linaceae		
Common Flax	<i>Linum usitatissimum</i>	HBF PD Au13/04
Lauraceae		
Spicebush	<i>Lindera benzoin</i>	BCF/HB KD My01/01
Sassafras	<i>Sassafras albidum</i>	TH JB Sp14/02
Limnanthaceae		
False Mermaid	<i>Florkea proserpinacoides</i>	HB/S MA Ap28/01
Lythraceae		
Purple Loosestrife	<i>Lythrum salicaria</i>	RL PD J106/00
Malvaceae		
Velvetleaf	<i>Abutilon theophrasti</i>	RL JB Sp26/07
Magnoliaceae		
Tulip Tree	<i>Liriodendron tulipifera</i>	FC/GF KD Ap06/04
Menispermaceae		
Moonseed	<i>Menispermum canadense</i>	BCT PD

Moraceae		
White Mulberry	<i>Morus alba</i>	FCF/E KD
Oleaceae		
White Ash	<i>Fraxinus americana</i>	RSF KD Sp13/00
Black Ash*	<i>Fraxinus nigra</i>	BCF/ET KD Oc25/06
Red Ash	<i>Fraxinus pennsylvanica</i>	BC/E KD Sp22/06
Blue Ash	<i>Fraxinus quadrangulata</i>	BCF KD J125/00
Onagraceae		
Enchanter's Nightshade	<i>Circaea quadrisulcata</i>	RSF PD J101/00
Willow Herb	<i>Epilobium glandulosum</i>	WM/Rd PD Au24/09

Common Evening Primrose	<i>Oenothera biennis</i>	RL PD J122/00
Orchidaceae		
Hellborine	<i>Epipactis hellborine</i>	RSF PD [P-lists]
Orobanchaceae		
Beech Drops	<i>Epifagus virginiana</i>	RSF/700 JB Sp15/01
Cancer Root	<i>Orobanche uniflora</i>	RL PD [P-lists]
Papaveraceae		
Bloodroot	<i>Sanguinaria canadensis</i>	FCF/blffs PD My06/00
Plantaginaceae		
English Plantain	<i>Plantago lanceolata</i>	LM PD [P-lists]
Common Plantain	<i>Plantago major</i>	LM PD [P-lists]
Platanaceae		
Sycamore	<i>Platanus occidentalis</i>	RSF KD Au19/00
Polimonaceae		
Woodland Phlox	<i>Phlox divaricata</i>	WR PD Myo5/01
Polygalaceae		
Seneca Snakeroot	<i>Polygala senega</i>	RL WEN My17/01
Polygonaceae		
Silver Lace Vine	<i>Polygonum albertii</i>	DT Sp14/02
Common Smartweed	<i>Polygonum hydropiper</i>	PD RL Sp11/04
Nodding Smartweed	<i>Polygonum lapathyfolium</i>	FC JB Sp14/02
Smartweed	<i>Polygonum pensylvanicum</i>	RL JB Sp26/07
Lady's Thumb	<i>Polygonum persicaria</i>	BCbd PD [P-lists]
False Buckwheat	<i>Polygonum scandens</i>	BCT PD [P-lists]
Curled Dock	<i>Rumex crispus</i>	UM/ER PD Sp03/00
Great Water Dock	<i>Rumex orbiculatus</i>	RL JB Sp26/07
Dock	<i>Rumex triangulivalvis</i>	PB/TR JB Je16/07
Great Water Dock	<i>Rumex sp.</i>	VPI PD My08/05
Virginia Knotweed	<i>Tovara virginianum</i>	RSF/N JB Sp15/01
Portulacaceae		
Spring Beauty	<i>Claytonia virginica</i>	FCFPD My06/00
Primulaceae		

Fringed Loosestrife	<i>Lysimachia ciliata</i>	FCF/blf PD J101/01
Moneywort	<i>Lysimachia nummularia</i>	ET WEN My17/01
Pyrolaceae		
Indian Pipe	<i>Monotropa uniflora</i>	HB nm/KD J126/04
Ranunculaceae		
White Baneberry	<i>Actaea pachypoda</i>	FCT/300 PD Au27/01
Goutweed	<i>Aegopodium podagraria</i>	RSF
Canada Anemone	<i>Anemone canadensis</i>	RSF
Wood Anemone	<i>Anemone quinquefolia</i>	FCFPD My06/00
Thimbleweed	<i>Anemone virginiana</i>	BCF
Virgin's Bower	<i>Clematis virginiana</i>	BCF PD Je18/00
Round-lobed Hepatica	<i>Hepatica americana</i>	FCB/GF PD Myo6/00
Small-flowered Crowfoot	<i>Ranunculus abortivus</i>	CP PD My03/09
Tall Buttercup	<i>Ranunculus acris</i>	LM PD [P-lists]
Early Buttercup	<i>Ranunculus fascicularis</i>	RL WEN My17/01
Hairy Buttercup	<i>Ranunculus hispidus</i>	RL PD [P-lists]
Cursed Crowfoot	<i>Ranunculus scleratus</i>	FCF PD My08/05
Early Meadow Rue	<i>Thalictrum dioicum</i>	WR PD My05/01
Tall Meadow Rue	<i>Thalictrum polygamum</i>	RSF PD Je18/00
Hairy Meadow Rue	<i>Thalictrum pubescens</i>	RSF PD [P-lists]
Rhamnaceae		
Common Buckthorn	<i>Rhamnus cathartica</i>	GF/FC KD Sp25/04
Rosaceae		
Tall Agrimony	<i>Agrimonia gryposepala</i>	BCF/LM PD J122/00
Swamp Agrimony	<i>Agrimonia parviflora</i>	HL JB Je16/07
Common Shadbush	<i>Amelanchier arborea</i>	GF/FC KD My/04
Hawthorn	<i>Crataegus punctata</i>	RB JB Sp15/01
Hawthorn	<i>Crataegus compacta</i>	FCF/LM JP Sp20/01
Hawthorn	<i>Crataegus crus-galli</i>	FCF/LM JP Sp20/01
Hawthorn	<i>Crataegus macracantha</i>	RB JP Sp20/01
Hawthorn	<i>Crataegus mollis</i>	FCN JP Sp20/01
Hawthorn	<i>Crataegus pringlei</i>	FC PD [P-lists]
Hawthorn	<i>Crataegus punctata</i>	BCT PD [P-lists]
Hawthorn	<i>Crataegus succulenta</i>	HB JP Sp20/01
Wild Strawberry	<i>Fragaria virginiana</i>	WR PD My05/01
White Avens	<i>Geum canadense</i>	FC/b PDr Je17/01
Rough Avens	<i>Geum laciniatum</i>	BCF PD
Wild Crab	<i>Malus coronaria</i>	BCF/LM PD J122/00
Domestic Apple	<i>Malus pumila</i>	TH JP Sp20/01
Ninebark	<i>Physocarpus opulifolius</i>	RBT KD Je18/00
Silverweed	<i>Potentilla anserina</i>	FC/br PD My24/01
Rough Cinquefoil	<i>Potentilla norvegica</i>	UM/ER PD Sp03/00
Rough-fruited Cinquefoil	<i>Potentilla recta</i>	RL PD [P-lists]

Creeping Cinquefoil	<i>Potentilla repens</i>	RL JB Sp26/07
Common Cinquefoil	<i>Potentilla simplex</i>	LM PD [P-lists]
American Plum	<i>Prunus americanus</i>	HB/W KD My04/03
Goldeneye Lacewing	<i>Chrysopa oculata</i>	LM/ER KD
Black Pine Sawyer Beetle	<i>Monochamus [galloprovincialis]</i>	Tr/GF pd/KD
Pincherry	<i>Prunus pensylvanica</i>	Nk pd/KD
Black Cherry	<i>Prunus serotina</i>	HB nm/KD Sp13/00
Chokecherry	<i>Prunus virginiana</i>	RL gj/KD Au21/00
Domestic Pear	<i>Pyrus communis</i>	UMF PD [P-lists]
Dog Rose	<i>Rosa canina</i>	ESF JB Sp26/07
Pasture Rose	<i>Rosa carolina</i>	ER/GF KD Au27/07
Multiflora Rose	<i>Rosa multiflora</i>	BCF/tr KD [P-lists]
Common Blackberry	<i>Rubus allegheniensis</i>	BCF KD [P-lists]
Black Raspberry	<i>Rubus occidentalis</i>	BCT PD [P-lists]
Meadowsweet	<i>Spirea alba</i>	RL PD [P-lists]
Rubiaceae		
Rough Bedstraw	<i>Galium asprellum</i>	WR PD My05/01
Northern Bedstraw	<i>Galium boreale</i>	RB JB Sp15/01
White Bedstraw	<i>Galium mollugo</i>	RL PD
'Hairy Galium'	<i>Galium pilosum</i>	CP PD Je30/08
Fragrant Bedstraw	<i>Galium triflorum</i>	RL PD Je19/05
Buttonbush	<i>Cephalanthus occidentalis</i>	BC/E PD Oc08/00
Rutaceae		
Prickly Ash	<i>Zanthoxylum americanum</i>	HBF PD Oc08/00
Salicaceae		
Eastern Cottonwood	<i>Populus deltoides</i>	RSF/R KD Mr07/02
Large-toothed Aspen	<i>Populus grandidentata</i>	HB/N KD Fb17/02
Quaking Aspen	<i>Populus tremuloides</i>	RBT PD [P-lists]
White Willow	<i>Salix x alba</i>	RSF/R/W PD Oc04/02
Missouri River Willow	<i>Salix eriocephala</i>	RL JB Sp26/07
Sandbar Willow	<i>Salix exigua</i>	SB PD Au09/04
Black Willow	<i>Salix x nigra</i>	BCF KD Fb03/02
Slender Willow*	<i>Salix petiolaris</i>	TR/Rp PD J119/09
Crack Willow	<i>Salix x rubens</i>	BCF JB Sp26/07
Saxifragaceae		
Ditch Stonecrop	<i>Penthorum sedoides</i>	RB JB Sp26/07
Scrophulariaceae		
Turtlehead	<i>Chelone glabra</i>	ET PD Au26/00
Butter-and-eggs	<i>Linaria vulgaris</i>	LM PD
False Pimpernel	<i>Lindernia dubia</i>	RL JB Sp15/01
Monkey Flower	<i>Mimulus ringens</i>	KD/PD FC/Br
Late Figwort	<i>Scrophularia marilandica</i>	RSF JB Sp26/07
Common Mullein	<i>Verbascum thapsus</i>	WM PD Au24/09

American Brookline	<i>Veronica americana</i>	BC PD [P-lists]
Common Speedwell	<i>Veronica officinalis</i>	RBK PD [P-lists]
Purslane	<i>Veronica peregrina</i>	RB JB Sp26/07
Smilacaceae		
Bristly Greenbriar	<i>Smilax hispida</i>	BC PD [P-lists]

Solanaceae		
Ground Cherry	<i>Physalis [heterophylla]</i>	RB/W JB Sp15/01
Bittersweet Nightshade	<i>Solanum dulcamara</i>	BCT PD [P-lists]
Black Nightshade	<i>Solanum nigrum</i>	HBF JB Sp15/01
Black Nightshade	<i>Solanum ptycanthum</i>	RL JB Sp26/07
Staphyleaceae		
Bladdernut	<i>Staphylea trifolia</i>	BCT KD [P-lists]
Tiliaceae		
American Basswood	<i>Tilia americana</i>	RSF/HB KD Oc16/00
Ulmaceae		
Hackberry	<i>Celtis occidentalis</i>	RSF KD JI01/00
White Elm	<i>Ulmus americana</i>	BCF KD Au12/00
Slippery Elm	<i>Ulmus rubra</i>	BCF DC Au13/00
Urticaceae		
False Nettle	<i>Boehmeria cylindrica</i>	BCbd
Wood Nettle	<i>Laportea canadensis</i>	BCF/t PDr JI22/00
Bog Clearweed	<i>Pilea fontana</i>	BCF JB Sp26/07
Clearweed	<i>Pilea pumila</i>	loc JB? Sp15/01
Stinging Nettle	<i>Urtica dioica</i>	BCF PD Au05/00
Verbenaceae		
Blue Vervain	<i>Verbena hastata</i>	RSF/tr/E PD Oc22/00
White Vervain	<i>Verbena sertifolia</i>	MB JB Sp15/01
Violaceae		
Common Blue Violet	<i>Viola sororia</i>	WR PD My05/01
Downy Yellow Violet	<i>Viola pubescens</i>	WR PD My05/01
Kidney-leaved Violet	<i>Viola renifolia</i>	WR PD My05/01
Cream Violet	<i>Viola striata</i>	RSF WEN My17/01
Vitaceae		
Virginia Creeper	<i>Parthenocissus vitacea</i>	BCF KD Au10/00
Summer Grape	<i>Vitis aestivalis</i>	BCtr PD [P-lists]
Riverbank Grape	<i>Vitis riparia</i>	RSF KD [P-lists]
unplaced:		
Common Buckthorn	<i>Rhamnus cathartica</i>	GF KD Sp25/04

MONOCOTYLEDONAE (114)

Order

Aristolochiaceae		
Wild-ginger	<i>Asarum canadense</i>	FC PD [P-list]
Alismataceae		
Common Arrowhead	<i>Sagittaria latifolia</i>	FC/br PD Au07/02
Common water Plantain	<i>Alisma plantago-aquatica</i>	BC/W PD Au07/02
Gramineae		
Fowl Manna Grass	<i>Glyceria striata</i>	HB PD
Barnyard Grass	<i>Echinochloa cuspalli</i>	FC/br DT Sp14/02
Grass	<i>Echinochloa c.f. muricata</i>	LOC JB Sp15/01
Old Witch Grass	<i>Panicum capillare</i>	LOC JB Sp15/01
Cyperaceae		
Sedge	<i>Carex albursina</i>	FCF pd/JB Je14/03
Sedge	<i>Carex amphibola</i>	H1 pd/JB Je14/03
Sedge	<i>Carex aparganoides</i>	LOC JB Sp26/07
Sedge	<i>Carex aquatilis</i>	RL
Sedge	<i>Carex aurea</i>	HL JB Je16/07
Carey's Sedge	<i>Carex careyana</i>	HBf/FC PD Je08/03
Carex	<i>Carex bebbii</i>	HL JB Je16/07
Sedge	<i>Carex blanda</i>	HB/S JB Je16/07
'Head Sedge'	<i>Carex cephaloidea</i>	LM pd/JB Je14/03
'Convolutated Sedge'	<i>Carex convoluta</i>	H1/BCF pd/JB Je14/03
Sedge	<i>Carex cristatella</i>	LM PD J122/00
Emory's Sedge	<i>Carex emoryi</i>	RB/W JB Sp15/01
Umbrella Sedge	<i>Carex erythrorhizos</i>	LOC JB Sp26/07
Chufa: Umbrella Sedge	<i>Carex esculentus</i>	RL JB Sp26/07
Sedge	<i>Carex granularis</i>	LM PD [P-lists]
Gray's Sedge	<i>Carex grayi</i>	RL PD [P-lists]
'Little Wolf Sedge'	<i>Carex lupulina</i>	BC JB Sp15/01
Sedge	<i>Carex hirtifolia</i>	RSF JB Sp15/01
Sedge	<i>Carex intumescens</i>	RL PD [P-lists]
James' Sedge	<i>Carex jamesii</i>	HB JB Sp26/07
Sedge	<i>Carex lupulina</i>	BCF/BC PD [P-lists]
Sedge	<i>Carex leptalea</i>	2BT JB Je16/07
Sedge	<i>Carex molesta</i>	HL JB Je16/07
'Normal Sedge'	<i>Carex normalis</i>	LM pd/JB Je14/03
Sedge	<i>Carex pennsylvanica</i>	RSF JB Sp15/01
Sedge	<i>Carex projecta</i>	RSF JB Sp15/01
Sedge	<i>Carex radiata</i>	HB/S JB Je16/07
Sedge	<i>Carex rosea</i>	RSF/bnch JB Sp15/01
Inflated Sedge	<i>Carex retrorsa</i>	BCF/sw Je17/01
Sedge	<i>Carex spicata</i>	HL JB Je16/07
Sedge	<i>Carex sparganioides</i>	HB JB Sp26/07
'Sponge Grass'	<i>Carex sponganioides</i>	FCF/br PD Je14/03

Sedge	<i>Carex stricta</i>	FC JB Sp14/02
Sedge	<i>Carex woodii</i>	RSF/T JB Sp15/01
Plantain-leaved Sedge	<i>Carex ---</i>	EW/FC PD My25/03
Sedge	<i>Carex vulpinoidea</i>	LM PD J122/00
Umbrella Sedge	<i>Cyperus erythrorhizos</i>	RL JB Sp26/07
Chufa Sedge	<i>Cyperus esculentus</i>	RL JB Sp26/07
Sedge	<i>Cyperus odoratus</i>	LOC JB Sp15/01
Eleocharis	<i>Eleocharis</i> sp.	MB PD J118/01
Spike-rush	<i>Eleocharis erythropoda</i>	RL JB Sp26/07
Chairmasker's Rush	<i>Scirpus americanus</i>	check with PD
Bulrush	<i>Scirpus atrovirens</i>	RSF JB Sp26/07
Rufous bulrush	<i>Scirpus pendulus</i>	ET/LM JB Je16/07
Three-square Bulrush	<i>Scirpus pungens</i>	RL PD [P-lists]
Barberpole Sedge	<i>Scirpus rubrotinctus</i>	ER PD Je21/09
Araceae		
Jack-in-the-Pulpit	<i>Arisaema atrorubens/triphyllum</i>	FCFPD My06/00
Perennial Wormwood	<i>Artemisia biennis</i>	loc? JB Sp15/01
Skunk Cabbage	<i>Symplocarpus foetidus</i>	BC/bed WEN My17/01
Lemnaceae		
Small Duckweed	<i>Lemna minor</i>	BCF KD Oc27/00
Juncaceae		
Dudley's Rush	<i>Juncus dudleyii</i>	TR PD J101/01
Rush	<i>Juncus effusus</i>	TR PD Je10/01
Path Rush	<i>Juncus tenuis</i>	RSF/600 JB Sp15/01
Liliaceae		
Lily-of-the-valley	<i>Convallaria majalis</i>	LM KD My15/05
Common Trillium	<i>Trillium grandiflorum</i>	RSF PD My05/01
White Trout Lily	<i>Erythronium albidum</i>	FCFblfs KD
Yellow Trout Lily	<i>Erythronium americanum</i>	RSF PD Ap17/01
Nodding Wild Onion	<i>Allium cernuum</i>	RSF WEN My17/01
Wild Leek	<i>Allium tricoccum</i>	RSF PD My04/03
Wild Garlic	<i>Allium canadense</i>	RSF PD [P-lists]
Green Amaranth	<i>Amaranthus hybrida</i>	SB PD Au09/04
Water Hemp	<i>Amaranthus</i> c.f. <i>tuberculatus</i>	RL JB Sp15/01
Canada Lily	<i>Lilium Canadense</i>	FC/S kd/DB Oc16/07
Michigan Lily	<i>Lilium michiganense</i>	RL PD [P-lists]
Canada Mayflower	<i>Maianthemum canadense</i>	RSF PD [P-lists]
False Spikenard	<i>Maianthemum racemosum</i>	RSF PD [P-lists]
Starry False Solomon Seal	<i>Maianthemum stellatum</i>	RL PD My15/09
Smooth Solomon's Seal	<i>Polygonatum pubescens</i>	FCFPD My06/00
Iridaceae		
Stout Blue-eyed grass	<i>Sisyrinchium angustifolium</i>	LM/FCF PD J105/00
Yellow Flag	<i>Iris pseudocorus</i>	RL PD Je07/01

Wild Blue Flag	<i>Iris versicolor</i>	BCT PD [P-lists]
Smilacaceae		
Bristly Greenbrier	<i>Smilax hispida</i>	BCF/W PD Sp24/00
Sparganiaceae		
Common Bur-reed	<i>Sparganium eurycarpum</i>	BC/W nm/PD Au07/02
Poaceae		
Redtop	<i>Agrostis gigantea</i>	LM PD [P-list]
Creeping Bent	<i>Agrostis stolonifera</i>	RL PD [P-list]
Smooth Brome	<i>Bromus inermis</i>	RL/W JB Sp15/01
Ear-leaved Brome	<i>Bromus latiglumis</i>	RSF JB Sp26/07
Japanese Brome	<i>Bromus japonicus</i>	LOC JB Sp14/01
Orchard Grass	<i>Dactylis glomerata</i>	UM PD [P-lists]
Barnyard Grass	<i>Echinochloa crusgalli</i>	RB JB Sp26/07
Quack Grass	<i>Elymus repens</i>	HL JB Je16/07
River Bank Wild Rye	<i>Elymus riparius</i>	RL DT Sp14/02
Silky Wild-rye	<i>Elymus villosus</i>	RB JB Sp26/07
Virginia Wild-rye	<i>Elymus virginicus</i>	BCT PD [P-lists]
Wild-rye	<i>Elymus wiegandii</i>	RSF JB Sp26/07
Sandbar Love Grass	<i>Eragrostis frankii</i>	RL JB Sp26/07
Creeping Love Grass	<i>Eragrostis hynpnoides</i>	loc? JB Sp15/01
Love Grass	<i>Eragrostis pectinacea</i>	RL JB Sp26/07
Tall Fescue	<i>Festuca arundinacea</i>	LM JB Sp26/07
Meadow Fescue	<i>Festuca pratensis</i>	LM/ER JB Sp16/07
Nodding Fescue	<i>Festuca subverticillata</i>	2BT JB Je16/07
Fowl Manna Grass	<i>Glyceria striata</i>	BCF JB Sp26/07
Bottlebrush Grass	<i>Hystrix patula</i>	WRF PD Oc01/00
Rice Cut Grass	<i>Leersia oryzoides</i>	RL DT Sp14/02
White Grass	<i>Leersia virginica</i>	BCF/ET JB Sp15/01
Witch Grass	<i>Panicum capillare</i>	RB JB Sp26/07
Panic Grass	<i>Panicum dichotomum</i>	RL JB Sp26/07
“Gettinger’s Panic Grass”	<i>Panicum gettingeri</i>	RL JB Sp26/07
Panic Grass	<i>Panicum implicatum</i>	RL JB Sp26/07
Reed Canary Grass	<i>Phalaris arundinacea</i>	BC/BCF PD [P-lists]
Timothy Grass	<i>Phleum pratensis</i>	UM/ER PD Sp03/00
Canada Bluegrass	<i>Poa compressa</i>	RB JB Sp15/01
Kentucky Bluegrass	<i>Poa nemoralis</i>	HB/S JB Je16/07
Bluegrass	<i>Poa trivialis</i>	PB/TR JB Je16/07
Annual Rye	<i>Secale cereale</i>	BCT PD [P-lists]
Green Foxtail	<i>Setaria viridis</i>	RL JB Sp26/07
unplaced:		
Muhly (Grass)	<i>Muhlenbergia [mexicana]</i>	RB JB Sp15/01

SPHENOPHYTA (1)

Equisetaceae

Field Horsetail *Equisetum arvense* RB PD Au09/04

BRYOPHYTA (8)

FISSIDENTALES

Fissidentaceae

Fissidens bushii LOC JB Je16/07
Fissidens taxifolius LOC JB Je16/07

DICRANALES

Dicranaceae

Dicranum sp. TRT KD Nv01/04

HYPNOBRYALES

Leskeaceae

Leskea polycarpa LOC JB Je16/07

Brachytheciaceae

Brachythecium reflexum LOC JB Je16/07
Brachythecium salibrosum LOC JB Je16/07

unplaced to order:

Anomodontaceae

Anomodon moss *Anomodon rostratus* WR/W JB Mr25/10

Hypnaceae

Hypnum moss *Hypnum Lindberghii* HB/W JB Mr25/10om

PTERIDOPHYTA (4)

Fragile Fern* *Cysopteris protrusa* HB/E KB Je16/07
Marginal Wood Fern *Dryopteris marginalis* EW/TH PD Je05/03
Intermediate Wood Fern *Dryopteris intermedia* EW/FC PD Je26/03
Sensitive Fern *Onoclea sensibilis* FCFPD My06/00

*rare

EUBACTERIA

Common name	Scientific name	Locale/by/date
Crown Gall of Hickory 'Flexirods'	[<i>Agrobacterium tumefaciens</i>] Elongate swimming bacillus	HB Fb17/02 KD FC KD Au13/04

Filamentous cocci	Swimming Filamentous Bacterium	BCF KD Nv26/04
Vibrio	filamentous cocci* (1-1.5 μ dia)	VP3 KD Dc27/06
Filamentous bacillus	motile vibrio (1-2 μ dia)	VP3 KD Dc27/06
	filam. bac. (1 μ x arb. long)	VP3 KD Dc27/06

CYANOPHYTA

Anabaena	<i>Anabaena</i> sp.	VP4 KD My09/08
Nodularia	<i>Nodularia</i> [<i>spumigena</i>]	BC/ET KD Ap10/02
'Nostoc Lettuce'	<i>Nostoc</i> [<i>Linckia</i>]	HP GT My29/05
Oscillatoria	<i>Oscillatoria</i> [<i>subbrevis</i>]	FC/Br KD Je16/07
Oscillatoria	<i>Oscillatoria angusta</i>	FC/Rp KD Sp16/07

PROTISTA*(140)

*organization follows Margulis et al (1990)

Common name	Scientific name	Locale/by/date
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RHIZOPODA

FILORETICULOSEA

Filida

Cyphoderiidae

Cyphoderia	<i>Cyphoderia ampulla</i>	VP KD Ap10/09
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LOBOSEA

Amoebida

Thecamoebidae

	<i>Thecamoeba</i> sp.	BC KD Mr29/02
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Striamoebidae

Striate Amoeba	<i>Striamoeba striatus</i>	FC KD Au13/04
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Paramoebidae

Mayorella	<i>Mayorella cultura</i>	THR KD Oc22/00
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Saccamoeba	<i>Saccamoeba</i> sp.	FCR KD Nv02/00
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Arcellidae

'Common Arcella'	<i>Arcella vulgaris</i>	VP4 KD My09/08
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Crenelated Arcella	<i>Arcella gibosa</i>	BCF KD Nv29/09
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	<i>Diffugia globulosa</i>	BC Mr29/02 KD
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	<i>Diffugia oblonga</i>	BCF KD Nv26/04
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unplaced

'Star Amoeba' *Dactylamoeba stella* VP3 KD Dc27/06

GAMOPHYTA

Ulotrichales

Ulotrichaceae

'Leaf algae' *Binuclearia tatrana* VP KD Ap22/07

Zygnematales

Zygnemataceae

'Small Mougeotia' *Mougeotia [robusta]* VP2 KD Ap27/08
Mougeotia [tumidula] TS KD Dc11/04
[Spondylosium pulchrum] THR KD Oc22/00
Spirogyra sp. A (1C) BCS KD Oc27/00
Spirogyra sp. B (2C) BC KD Ap10/02
'Giant Spirogyra' *Spirogyra crassa* FC/Br KD Je16/07
'River Spirogyra' *Spirogyra rivularis* FC/Br KD Je16/07
Spirogyra *Spirogyra* sp. gp. A* TR KD Sp28/04
Zygnema *Zygnema [pectinatum]* VP4 KD My09/08
Zygnemopsis sp. BC/ET KD Ap10/02

*Gp. A [3 chlplsts; 40 mu+; 2 turns, incl. *S. stricta*, *dubia*, *triplicata*, *Fuellebornei*]

Desmidiiales

Closteriaceae

Closterium leibleinii FCR KD Nv02/00
C. lunula FCR KD Nv02/00
'Linear Closterium' *Closterium moniliferum* FC KD Je03/10
'Non-linear Closterium' *Closterium [parvulum]* FC KD Je03/10
'Common Cosmarium' *Cosmarium botrytis* FC KD Je03/10
Cosmarium sp. B (wrnk) THR KD Oc22/00

CRYPTOPHYTA

Cryptomonadales

Cryptophyceae

Chilomonas paramecium BC KD Mr29/02

ZOOMASTIGINA

KINETOPLASTEA

Bodonida

Bododinidae

'Jumping Jack' *Bodo saltans* VP2 KD Ap27/08
(*Pleuromonas jaculans*)

EUGLENOPHYTA (classification after Leedale (1967))

Euglenales

	<i>Euglena deses</i>	BC KD Mr29/02
	<i>Euglena pisciformis</i>	BC KD Ap10/02
	<i>Euglena rostifera</i>	BC KD Mr29/02
	<i>Astasia dangeardi</i>	BC KD Ap10/02
‘Pigtail Phacus’	<i>Phacus curvicauda</i>	BCF/VP KD Nv26/04
	<i>Trachelomonas</i> sp.	BCS KD Oc27/00

Sphenomonadales

Anisonema [acinus] BC KD Ap10/02

Heteronematales

Peranema sp. BC/ET Ap10/02
Urceolus cyclostomus FCR KD Nv02/00

ACTINIPODA

‘Sun Actinopod’ *Actinophrys sol* BCS KD Oc27/00
FCR KD Nv02/00

DINOFLAGELLEA

Dinoflagellate *Glenodinium cinctum* BC KD Mr29/02

CHRYSOPHYTA

Tribonematales

Tribonemataceae

Tribonema *Tribonema bombycinum* VP2 KD Ap27/08

Ochromonadales

Ochromonadaceae

Syncrypta *Syncrypta volvox* FC KD Je06/02

Dynobryaceae

Dinobryon *Dinobryon sertularia* BC KD Ap10/02

Synuraceae

Synura *Synura uvella* FCR KD Nv02/00

MYXOMYCOTA

Echinosteliales

Enteridiaceae

Wolf's Milk Slime	<i>Lycogala epidendrum</i>	BCF KD Sp29/01
'Silver Cushion'	<i>Lycogala flavofuscum</i>	HB KD My03/06
'Rose Cushion'	<i>Tubifera ferruginosa</i>	RSF KD Nv11/04
Physerales		
Didymiaceae		
'White Fuzz Slime'	<i>Mucilago crustacea</i>	RSF/HB Oc23/01
Physeraceae		
'Lime-cup Slime'	[<i>Craterium minutum</i>]	BCF33/ss KD Sp25/03
Scrambled Egg Slime	<i>Fuligo septica</i>	LM KD Je16/01
Trichiales		
Trichiaceae		
'Pixie Trees'	<i>Arcyria cinerea</i>	RSF KD JI07/00
'Naked Slime'	<i>Arcyria denudata</i>	FCT pd/GT Je25/09
Stemonitales		
Stemonitaceae		
'Log Hair'	<i>Stemonitis axifera</i>	RSF nm/KD Je24/03

ACRASIOMYCOTA

DICTYOSTELIA

Family?

Coprophagous Cellular Slime [Dictyostelium] sp. LM KD Dc31/04

CILIOPHORA

Note: taxonomy down to the level of order follows Lynn & Small (1990)

KARYORELICTEA

Protostomatida

Trachelocercidae

Trachelocerca sp.* BC KD Mr29/02

SPIROTRICHEA

Heterotrichida

Blepharismidae

Blepharisma steni BCF/VP KD Dc03/04

Spirostomidae

'Slender Spirostomum' *Spirostomum* [*loxodes*] TR KD Nv29/09

Oligotrichida

Haleriidae

'Jumping Jack' *Halteria grandinella* BCF KD Nv29/09

Stichotrichida

Urostylidae

	[<i>Uroleptus longicaudus</i>]	THR KD Oc22/00
Spirofilidae		
‘Acuminate Hypotrich’	[<i>Strongylidium</i>] sp.	TR KD Je24/10
Oxytrichidae		
“Glass Sandals”	<i>Onychodromus grandis</i>	FC KD Oc25/08
Hypotrich	<i>Oxytricha fallax</i>	THR KD Oc22/00
‘Hairy Oxytricha’	<i>Oxytricha setigera</i>	TR KD Sp28/04
Hypotrich	<i>Stylonychia mytilus</i>	THR KD Oc22/00
Choreatrichida		
Strobiliidae		
	<i>Strobilidium gyrans</i>	BC KD Mr29/02
PROSTOMATEA		
Prorodontida		
Colepidae		
	<i>Coleps</i> sp.	THR KD Oc22/00
Prorodontidae		
‘Peanut Ciliate’	<i>Prorodon teres</i>	FC KD Je02/05
LITOSTOMATEA		
Haptorida		
Tracheliidae		
‘Gooseneck Dileptus’	<i>Dileptus anser</i>	BC/ET KD Ap10/02
“Finger Ciliate”	<i>Trachellus Ovum</i>	FC KD Oc25/08
Lacrymariidae		
Swan Tears	<i>Lacrymaria olor</i>	VP3 KD Dc27/06
Pleurostomatida		
Litonotidae		
	<i>Litonotus fasciola</i>	BCF KD Dc03/04
	<i>Litonotus [lamella]</i>	BC KD Ap10/02
‘Ribbon Amphilept’	<i>Litonotus [armillatus]</i>	BCF KD Nv29/09
PHYLLOPHARYNGEA		
Chlamydodontida		
Chilodonellidae		
	<i>Chilodonella cucullulus</i>	FC KD Nv02/00
	<i>Chilodonella</i> sp. A (small)	TR KD Oc22/0
NASSOPHOREA		
Nassulida		
Nassulidae		

	<i>Nassula aurea</i>	FCR KD Nv02/00
Peniculida		
Frontoniidae		
	<i>Frontonia leucas</i>	THR KD Oc22/00
Lembadionidae		
	<i>Lembadion bullinum</i>	THR KD Oc22/00
Paramecidae		
‘Sharp-tailed Paramecium’	<i>Paramecium caudatum</i>	TR KD Nv29/09
‘Giant Paramecium’	<i>Paramecium multimicronucleatum</i>	TR KD Nv29/09
‘Anglehead’	<i>Paramecium trichium</i>	TR KD Nv29/09
Euplotida		
Aspidiscidae		
Hypotrich	<i>Aspidisca lynceus</i>	THR KD Oc22/00
Euplotidae		
Hypotrich	<i>Euplotes patella</i>	THR KD Oc22/00
OLIGOHYMENOPHOREA		
Hymenostomatida		
Glaucomidae		
Glaucoma	<i>Glaucoma scintillans</i>	FC KD Au13/04
Turaniellidae		
‘Long-bodied Colpid’	<i>Colpidium [campylum]</i>	TR KD Nv29/09
Tetrahymenidae		
‘Pear-shaped Tetra’	<i>Tetrahymena pyriformis</i>	TR KD Nv29/09
Urocentridae		
‘Spinner’	<i>Urocentrum turbo</i>	VP3 KD Dc27/06
Cycliidae		
	<i>Cyclidium</i> sp.	BC KD Oc22/00
Sessilida		
Vorticellidae		
	<i>Vorticella campanula</i>	THR KD Oc22/00
‘Yellow Vorticella’	<i>Vorticella convallaria</i>	TR KD Sp28/04
‘Small-mouthed Vorticella’	<i>Vorticella microstoma</i>	TR KD Nv29/09
Stentoridae		
Stentor	<i>Stentor</i> sp. A (sm/clrls)	THR KD Oc22/00
‘Red Stentor’	<i>Stentor igneus</i>	VP# KD Dc21/06
Stentor	<i>Stentor polymorphus</i>	VP2 KD Ap27/08
‘Blue Stentor’	<i>Stentor Coeruleus</i>	VP2 KD Ap27/08

Mobilida

COLPODEA
Colpodida
Colpodidae

<i>Colpoda</i> sp.	FC KD Je02/05
<i>Tillina</i> [<i>canalifera</i>]	LM KD Nv29/09

* Normally a marine genus, this appears to be a freshwater representative.

BACILLARIOPHYTA

Centrales

<i>Melosira granulata</i>	VP2 KD Ap27/08
<i>Melosira varians</i>	THR KD Oc22/00

Pennales

	<i>Amphora</i> sp. A (20mu)	BCS KD Oc27/00
‘Oval Amphora’	<i>Amphora ovalis</i>	FC/LR KD Je03/10
‘Capitate Caloneis’	<i>Caloneis amphisbaena</i>	BCF/VP KD Nv26/04
	<i>Cymatopleura solea</i>	FCR KD Nv02/00
	<i>Cymbella tumida</i>	FCR KD Nv02/00
	<i>Diatoma elongatum</i>	TR KD Oc22/00
	<i>D. vulgare</i>	FCR KD Nv02/00
	<i>Fragilaria brevistriata</i>	BC KD Mr29/02
	<i>Gomphonema olivaceum</i>	TR KD Oc22/00
	<i>Gyrosigma Kutzingii</i>	TR KD Oc22/00
	<i>G. scalproides</i>	TR KD Oc22/00
	<i>Hantzschia amphioxys</i>	BC KD Mr29/02
	<i>Meridion circulare</i>	BC KD Mr29/02
	<i>Navicula bacillum</i>	BC KD Mr31/02
	<i>Navicula canalis</i>	TR KD Oc22/00
	<i>Navicula cuspidata</i>	BCF KD Nv26/04
	<i>Navicula inflexa</i>	BC KD Mr29/02
	<i>Navicula iterrupta</i>	BC KD Mr29/02
	<i>Navicula viridis</i>	BC KD Mr29/02
	<i>Nitzschia acicularis</i>	FCR KD Nv02/00
	<i>N. filiformes</i>	TR KD Oc22/00
	<i>N. sigmoidea</i>	FCR KD Nv02/00
‘Northern Pinnularia’	<i>Pinnularia</i> [<i>borealis</i>]	BCF/VP KD Nv26/04
	<i>Pleurosigma delicatatum</i>	FC/bot KD Oc23/05
‘Rock Horn’	<i>Rhoicosphenia curvata</i>	FCR KD Nv02/00
	<i>Stauroneis phoenicentron</i>	BCF/VP KD Dc03/04
	<i>Synedra</i> [<i>tabellata</i>]	TR KD Oc22/00
	<i>Synedra</i> sp. A (long)	TR KD Oc22/00

Tabellate diatom

Tabellaria sp.

VP2 KD Ap27/08

CHLOROPHYTA

Chlorococcales

Chlorococcaceae

Bracteacoccus sp.

TR KD Oc22/00

Bulbochaete sp.

BC KD Mr29/02

Characium [*debaryanum*]

BC KD Mr29/02

Chlorococcum aquaticum

BC/ET KD Ap10/02

‘Beach Buttons’

Chlorococcum humicola

MB KD Jl20/09

Cladophora [*glomerata*]

FCR KD Nv02/00

‘Treegreen’

Desmococcus viridis

RSF KD Oc20/09

Entransia sp.

VP2 KD Ap27/08

Oedogonium sp.

BC KD Mr29/002

Palmodictyon varium

BC/ET KD Ap10/02

Scenedesmus quadricauda

TR KD Oc22/00

Ulothrix cylindricum

TR KD Oc22/00

Hydrodictyaceae

Pediastrum

Pediastrum duplex

VP4 KD

Chlamydomonadaceae

‘Red Paint Alga’

Haematococcus lacustris

TS KD Dc11/04

ANIMALIA (833)

Common name

Scientific name

Locale/by/date

NEMATOMORPHA [1]

‘Pale Gordian Worm’*

Cl. Gordioidea

LM pd/KD Je19/06

PLATYHELMINTHES [3]

TURBELLARIA

Rhabdocoela

Dalyelliidae

‘Green Flatworm’

Dalyellia [*viridis*]

VP3 KD Ap24./08

Tricladida

Planariidae

‘Brown Flatworm’ *Hymanella retenuova* VP3 KD Ap27/08

Kalyptorhynchia

‘Stylet Flatworm’ *Gyratrix hermaphroditus* VP4 KD My09/08

GASTROTRICHA [1]

Chaetonotus sp. BC/ET KD Ap10/02

ROTIFERA [12]

Rotifer	<i>Cephalodella gibba</i>	FC KD Je06/02
Rotifer	<i>Cephalodella</i> sp. A (Ingspr)	FC KD Nv02/00
Rotifer	<i>Colurella</i> sp.	BCF/VP KD Nv26/04
‘Spiny Rotifer’	<i>Dissotrocha</i> sp.	BCF/VP KD Dc05/04
Rotifer	<i>Euchlanis</i> sp.	FC KD Je06/02
Rotifer	<i>Lepadella patella</i>	BC KD Ap10/02
Rotifer	<i>Monostyla</i> sp.	BCS KD Oc27/00
Rotifer	<i>Philodina</i> sp.	BCS KD Oc27/00
Rotifer	<i>Trichocera</i> sp. A (jntd ft)	TR KD Oc22/00
Rotifer	<i>Trichocera</i> [weberi]	BC KD Ap10/02
Bdelloid rotifer		BC KD Mr29/02
‘Four-spined Brachionus’	<i>Brachionus quadridentata</i>	TR KD Sp28/04

MOLLUSCA [38]

Pelecypoda

Corbiculidae

Fingernail Clam	<i>Musculium securis</i>	BCF/VP RB Je23/04
Fingernail Clam	<i>Pisidium</i> sp.	BCF/VP RB Je23/04
Fingernail Clam	<i>Sphaerium</i> sp.	BCF/VP RB Je23/04

Unionidae

Mucket	<i>Actinonais carinata</i> (S3)	TR/CI pd/KD Je25/01
Ridged Wedge-mussel	<i>Alasmidonta marginata</i> (S3)	TR/CI ac/KD Je25/01
Three-ridge	<i>Amblema plicata</i> (S4)	TR/CI KD Je25/01
Common Floater	<i>Anodonta grandis grandis</i>	TR/BCF KD Ja11/07
Purple Wartyback	<i>Cyclonaias tuberculata</i>	TR/CI PD Au31/08
Spike Clam	<i>Elliptio dilatata</i> (S5)	TR/RL KD Au26/00
Pig Toe	<i>Fusconaia flava</i> (S2-3)	FC KD Au20/00
Pocket Book	<i>Lampsilis ventricosa</i> (S4)	TR/C pd/KDI Je25/01
White Heel-splitter	<i>Lasmigona complanata</i> (S4)	TR/CI ac/KD Je25/00
Brook Lasmigona	<i>Lasmigona compressa</i> (S5)	TR+FC KD Nv12/00

Fluted Shell	<i>Lasmigona costata</i> (S5)	TR/CI ac/KD Je25/01
Fragile Papershell	<i>Leptodea fragilis</i> (S4)	TR KD Au12/00
Black Sand Shell	<i>Ligumia recta</i>	TR/BB KD Au12/01
Threehorn Wartyback	<i>Obliquaria reflexa</i>	TR/CI PD Au31/08
Round Hickorynut	<i>Obovaria subrotunda</i> (S1)	TR/CI ac/KD Au26/00
Pink Heel-splitter	<i>Proptera alata</i> (S-)	TR/CI ac/KD Je25/01
Maple Leaf	<i>Quadrula quadrula</i> (S3)	TR/CI ac/KD Je25/01
Warty-back	<i>Quadrula pustulosa</i> (S3)	TR/RL pd/KD My08/01
Deer Toe	<i>Truncilla truncata</i> (S3)	TR/RL pd/KD Je25/

Gastropoda

Succineidae

Amber Snail *Oxyloma [retusa]* (S-) RSF KD Sp19/01

Arionidae

Slug *Arion* sp. RSF KD JI07/00

Endodontidae

Eastern Forest Snail *Anguispira alternata* (S5) RSF KD JI01/00

Polygyridae

Whitelip Globe *Mesodon thyroidus* (S5) RSF KD

Slitmouth Snail *Stenotrema leai* (S-) RSF KD JI01/00

Northern Three-tooth *Triodopsis tridentata* RSF KD JI01/00

‘Golden Polygyrid’ [*Triodopsis*] sp. (see below) BCF KD JI07/00

Helicidae

European Striped Snail *Cepaea nemoralis* (SE) RSF KD JI01/00

Lymnaidae

Mammoth Lymnaea *Bulimnea megasoma* (S3) FC KD JI05/00

Common Stagnicola *Stagnicola elodes* BCF/KD/My08/04

Physidae

Physa Snail *Physa* sp. BCF/VP RB Je23/04

Pleuroceridae

Flat-sided Horn Snail *Pleurocera acuta* (S2?) TR/CI gj/KD JI08/01

Great Lakes Horn Snail *Goniobasis livescens* (S-) TR/CI gj/KD JI08/01

Planorbidae

Two-ridged Ramshorn *Helisoma anceps* FC KD Au26/08

Discidae

‘Archimedes Snail’ *Discus [patulus]* BCT KD JI18/10

unidentified species descriptions

‘Golden Polygyrid’ [*Triodopsis*] sp.

My best guess for this specimen was *Triodopsis multilineata*, but it had only one spiral band and this followed only half the body-whorl. According to Goodrich, specimens have been found in

Michigan with no spiral bands at all, so it seemed reasonable to assume that intermediate specimens might exist. But this specimen had, in addition, several transverse, weakly-developed dark bands somewhat reminiscent of *Anguispira alternata*. This specimen did not belong to the latter species, however: it had a reflected lip and was narrowly umbilicate. Diameter of shell was 22 mm, somewhat depressed, light horn colour, with dark brown, interrupted bands on upper and lower surfaces of body whorl and (partially) the penultimate whorl. Inner whorls decorated with gold flecking. This was a living specimen, so it was returned to its habitat.

NEMATODA [3]

Annulated nematode	<i>Circonema</i> sp.	LM PJ Ap13/09
Predatory nematode	<i>Helicitylenchu</i> sp.	LM PJ Ap13/09
Predatory nematode	<i>Monochus</i> sp.	LM PJ Ap13/09

ANNELIDA [6]

Dew Worm	<i>Lumbricus terrestris</i>	RSF KD J119/00
Green Worm	<i>Allolobophora chlorotica</i>	RSF KD J119/00
Enchytraeid worm	(see micro-survey)	FCR KD Nv02/00
Woodland Blue Worm	<i>Octolasion cyaneum</i>	LM/BCF KD Ap22/02
Aelosomatid Worm	[<i>Aelosoma</i>] sp.	VP2 KD Ap27/08
Aphanoneura		
Aelosomatidae		
Aelosoma Worm	<i>Aelosoma</i> sp.	FC/rap KD Oc23/05

ARTHROPODA [555]

DIPLOPODA

‘Black and Yellow Milliped’	<i>Aphelesia virginensis</i>	EW Sp18/01 nm/KD
Parajulid Millipede*	Parajulidae sp.	Tr Kd Sp17/06

CHILOPODA

‘Brown Centipede’	<i>Lithobius farficatus</i>	HB nm/KD Ap10/02
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CRUSTACEA

Dercapoda

Chimney Crayfish	<i>Fallicambarus fodiens</i>	BCF KD Oc08/00
Calico Crayfish	<i>Orconectes immunis</i>	TS nm/KD Sp05/02
Northern Clearwater Crfish	<i>Orconectes propinquus</i>	FC/LR KD Au20/08

Copepoda

Harpacticoid copepod	<i>Bryocamptus</i> sp.	BCS KD Oc27/00
Candoniid copepod		BCS KD Oc27/00
‘Common Pond Cyclops’	<i>Eucyclops</i> sp.	VPB KD My20/10

Branchiopoda

Fairy Shrimp	<i>Thamnocephalus</i> sp.	BC KD Ap10/02
Cladocera	Ord. Cladocera	BCF/VP KD Nv26/04
Fairy Shrimp	<i>Eubbranchippus vernalis</i>	BCF/BC KD Mr22/05

ARACHNIDA

Order**Linyphiidae**

Small Line Weaver	<i>Microneta</i> sp.	RL nz/KD Au11/05
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Araneidae

Garden Spider	<i>Araneus diadematus</i>	FCT100 KD Sp09/01
'Small Orb Weaver'	<i>Araneus [miniatus]</i>	GF KD JI02/05
Marbled Orb Weaver	<i>Araneus marmoreus</i>	ET nm/KD Sp09/01
Black-and-Yellow Argiope	<i>Argiope argentata</i>	
Spined Micrathena	<i>Micrathena gracilis</i>	FCT 1400 KD Au30/03
Arrow-shaped Micrathena	<i>Micrathena sagittata</i>	FCT 10 KD JI31/05
Hentz's Orb Weaver	<i>Neoscona crucifera</i>	Tr pd/Kd Au24/09
Spotted Orb Weaver	<i>Neoscona domicillorum</i>	GF pd/KD Sp17/05

Tetragnathidae

Orchard Spider	<i>Laucage venusta</i>	RB KD Au12/08
'Striped Orb Weaver'*	<i>Tetragnatha [straminea]</i>	FC pd/KD
Long-jawed Orb Weaver	<i>Tetragnatha versicolor</i>	RL nz/KD Au11/05

Agelenidae

Grass Spider	<i>Agelenopsis pennsylvanica</i>	RL nz/KD Au21/05
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Lycosidae

Wolf Spider	<i>Lycosa helluo</i>	LM KD Au13/04
Carolina Wolf Spider	<i>Hogna carolinensis</i>	HP hh/TM Sp06/03
'Checkered Wolf Spider'	<i>Pardosa [milvina]</i>	Nk KD Au26/10

Clubionidae

Ant-mimic Spider	[<i>Castianeira</i>] sp.	Tr KD Ap20/08
Small Grass Spider	<i>Trachelas tranquillas</i>	RL nz/KD Au21/05
Tiny Clubionid	<i>Trachelas [deceptus]</i>	RL nz/KD Au21/05

Thomisidae

Goldenrod Crab Spider	<i>Misumena vatia</i>	LM hp/KD JI29/06
Whitebanded Crab spider	<i>Misumenoides formosipes</i>	GF/LM KD Au12/10

Salticidae

Tan Jumping Spider	<i>Metacyrba undata</i>	Tr KD Sp10/09
Audacious Jumping Spider	<i>Phidippus audax</i>	LM/tr KD Je07/01

Corinnidae**Acarina****Isodidae**

Wood Tick	<i>Dermacentor variabilis</i>	ET/BCF KD Je15/02
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Eriophidae		
Basswood Leaf Gall Mite	<i>Eriophyes tiliae</i>	GF KD Sp02/06
Red Spindle Gall Mite	<i>Vasates aceriscrumena</i>	GF pd/KD My23/10
Maple Bladder Gall Mite	<i>Vasates quadripedes</i>	RZ KD My23/10
Parasitidae		
‘Nicrophorus Mite’	<i>Poecilochirus carabi</i>	LM KD Sp11/04
Trombidiidae		
Red Velvet Mite	<i>Trombidium</i> sp.	TR NT My29/05
Pseudoscorpionida		
Pseudoscorpion	fam. Chernetidae	RL nz/KD Au31/05
Phalangida		
Phalangiidae		
Harvestman	<i>Phalangium opilio</i>	RL nz/KD Au11/05
INSECTA (511)		
Archaeognatha		
Machilidae		
Bristetail	[<i>Machilis</i>] sp.	Loc SC Je16/07
Collembola		
Springtail	<i>Lepidocyrtus paradoxus</i>	RL nz/KD Au31/05
Ephemeroptera		
Ephemerellidae		
‘Red Spiny Crawler’	<i>Eurylophella</i> sp.	GF KD Je30/10
Odonata		
Aeshnidae		
Green Darner	<i>Anax junius</i>	BCF KD Oc27/00
Fawn Darner	<i>Boyeria vinosa</i>	RL SC Sp15/01
Swamp Darner	<i>Epiaeschna heros</i>	Loc SC Je16/07
Gomphidae		
Midland Clubtail	<i>Gomphus fraternus</i>	RL JS Je16/07
Dusky Clubtail	<i>Gomphus spicatus</i>	LM PD Je06/04
Libellulidae		
Widow Skimmer	<i>Libellula luctosa</i>	LM PR J113/02
Common Whitetail	<i>Plathemis lydia</i>	FC/br KD Je25
Blue Dasher	<i>Pachydiplax longipennis</i>	LM KD J118/03
White-faced Meadowhawk	<i>Sympetrum obtrusum</i>	LM KD Au20/03
Ruby Meadowhawk	<i>Sympetrum rubicundulum</i>	LM PD J122/00

Eastern Amberwing	<i>Perithemus tenera</i>	LM KD Au20/03
Calopterygidae		
Ebony Jewelwing	<i>Calopteryx maculata</i>	FC PD My25/00
River Jewelwing	<i>Calopteryx aequabilis</i>	FC/Br KD Au12/06
American Rubyspot	<i>Hetaerina americana</i>	PD CI Au15/05
Smoky Rubyspot	<i>Hetaerina titia</i>	TR MO Sp26/07
Coenagrionidae		
Blue-fronted Dancer	<i>Argia apicallis</i>	RL PD Au15/05
Variable Dancer	<i>Argia fumipennis</i>	LM PD Je30/07
Rainbow Bluet	<i>Enallagma antennatum</i>	LM nz/KD J118/05
Tule Bluet	<i>Enallagma carunculatum</i>	NF SM J130/09
Alkali Bluet	<i>Enallagma [clausum]</i>	NF SM J130/10
	<i>Enallagma [vespersum]</i>	NF SM J130/09
Lestidae		
Spotted Spreadwing	<i>Lestes congener</i>	LM nz/KD J118/05
Emerald Spreadwing	<i>Lestes dryas</i>	RL JS Je16/07
Slender Spreadwing	<i>Lestes rectangularis</i>	TR JS Je16/07
Lyre-tipped Spreadwing	<i>Lestes unguiculatus</i>	Tr KD Au12/06
Mantodea		
Mantidae		
Praying Mantis	<i>Mantis religiosus</i>	LM KD Au29/00
Orthoptera		
Tetrigidae		
Grouse Locust	<i>Paratettix cuculatus</i>	RL SC Sp15/01
Acrididae		
Two-striped Grasshopper	<i>Melanoplus bivittatus</i>	Tr KD Au17/10
Differential Grasshopper	<i>Melanoplus differentialis</i>	TS KD Au30/03
Red-legged Grasshopper	<i>Melanoplus femur-rubrum</i>	LM KD Au20/03
American Bird Grasshopper	<i>Schistocerca americana</i>	Tr KD Sp01/03
Seaside Grasshopper	<i>Trimerotropis maritima</i>	RSF?TR KD Oc12/06
Tettigoniidae		
Broad-winged Katydid	<i>Amblycorypha oblongifolia</i>	BCF KD Sp08/01
Fork-tailed Bush Katydid	<i>Scudderia furcata</i>	RL KD J129/01
Katydid	<i>Pterophylla camellifolia</i>	Tr nm/KD Au30/03
Meadow Katydid	<i>Orchelimum vulgare</i>	GF/LM KD Sp22/06
Gryllidae		
Striped Ground Cricket	<i>Allonemobius fasciatus</i>	RL nz/KD Au21/05
Fall Field Cricket	<i>Gryllus pennsylvanicus</i>	Tr KD Sp16/04
Two-spotted Tree Cricket	<i>Neoxabea bipunctata</i>	NF SM J130/09
Snowy Tree Cricket	<i>Oecanthus fultoni</i>	

Black-horned Tree Cricket	<i>Oecanthus nigricornis</i>	LM KD Au22/04
Tridactylidae		
Pygmy Mole Cricket	[<i>Ellipes minutus</i>]	RB NZ My29/05
Phasmatodea		
Phasmidae		
Northern Walkingstick	<i>Diaperomera femorata</i>	TH nm/KD Sp18/01
Plecoptera		
Isoperlidae		
Green-winged Stonefly	<i>Isoperla</i> sp.	RL nz/KD Au11/05
Capniidae		
Small Winter Stonefly	<i>Allocapnia</i> [<i>pygmaea</i>]	LM KD Ja14/01
unplaced		
Summer Stonefly	<i>Classinea subulosa</i>	MB SM J130/09
Dermaptera		
Forficulidae		
Spine-tailed Earwig	<i>Doru aculeatum</i>	LM nz/KD J131/05
European Earwig	<i>Forficula auricularis</i>	LM/BCF KD Au?/03
Hemiptera		
Belostomatidae		
American Toe-biter	<i>Lethocerus americanus</i>	HP nh/KD Ap/01
Gerridae		
Water Strider	<i>Gerris</i> sp.	FC/br KD Sp15/01
Lygaeidae		
Miridae		
‘Electric Plant Bug’	<i>Cylapus tenuicornis</i>	NF SM J130/09
‘Transparent Mirid’	<i>Hyaliodes vitripennis</i>	LM nz/KD J118/05
‘Small Black Mirid’	[<i>Halticus</i>] Sp.	RL nz/KD J118/05
Tarnished Plant Bug	<i>Lygus lineolaris</i>	LM KD J126/04
Tarnished Plant Bug	<i>Lygus lineolaris</i> var. <i>strigulatus</i>	LM nz/KD J118/05
Meadow Plant Bug	<i>Miris dolobratus</i>	LM pd/KD Je15/04
‘Black Angel Bug’	<i>Neoborus pubescens</i>	LM nz/KD J118/05
Four-lined Plant Bug	<i>Poecilocapsus lineata</i>	Loc SC Je16/07
‘Black and Brown Plant Bug’	Miridae Sp. A	RL nz/KD J118/05
‘Small Brown Mirid’	Miridae Sp. B	RL nx/KD J118/05
Enicocephalidae		
Gnat Bug	<i>Systemloderes</i> sp.	RL nz/KD J131/05
Phymatidae		
Euphorbia Bug	<i>Charlesterus antennator</i>	LM KD J121/05

Pennsylvania Ambush Bug	<i>Phymata pennsylvanica</i>	LM KD J128/04
Nabidae		
Common Damsel Bug	<i>Nabis americanoferus</i>	RL nz/KD Au11/05
Coreidae		
Leaf-footed Bug	<i>Acanthocephala terminatus</i>	HBF nm/KD Oc27/00
‘Brown-tailed Coreid’	<i>Acanthocephala terminalis</i>	GF/FC KD Au22/10
Reduviidae		
‘Gold Assassin Bug’	<i>Zelus luridus</i>	GF KD Au26/10
Rhopalidae		
Eastern Boxelder Bug	<i>Leptocoris trivittatus</i>	Tr KD Oc05/03
Pentatomidae		
Green Stink Bug	<i>Acrosternum hilare</i>	LM/tr KD J118/01
‘Red-tailed Stink Bug’	<i>Apateticus bracteata</i>	NF SM J130/09
‘Orange-legged Stink Bug’	<i>Apateticus cynicus</i>	HB/bnch SC Oc18/03
Dimidiata Stink Bug	<i>Banasa dimidiata</i>	HP KD J112/01
Twice-stabbed Stink Bug	<i>Cospmoepala bimaculata</i>	FCN SC Sp15/01
Red-crossed Stink Bug	<i>Elasmostethus cruciatus</i>	LM nz/KD J118/05
Brown Stink Bug	<i>Eustichus variolarius</i>	LM nz/KD J118/05
Two-spotted Stink Bug	<i>Perillus bioculatus</i>	Tr kd/PD Sp20/08

Miridae Species descriptions

Miridae Sp. A: 7mm; head reddish with two dark long. stripes on dorsum; head & scutellum orange/brown with two black spots in ant. half of pronotum, rest black except for reddish mottling near edges of forewing; legs banded brown & yellow, antennae indistinctly banded, first seg finely spinulose.

Miridae Sp. B: 5mm; black head, pronotum, scutellum, rest very dark brown with a weakly tarnished appearance. Brown legs with dark mottling.

Homoptera

Cicadidae		
Dog Day Cicada	<i>Tibicen canicularis</i>	Tr KD Au30/09
Membracidae		
Buffalo Treehopper	<i>Ceresa alta</i>	FC/N KD J108/10
‘Emerald Tree Hopper’	<i>Ceresa basalis</i>	NF SM J130/09
‘Two-spotted Treehopper’	<i>Echenopa binotata</i>	LM nz/KD J118/05
Buffalo Treehopper	<i>Stictocephala bubalus</i>	RL KD J128/04
‘Spined Membracid’	[<i>Telomena</i>] sp.	LM KD Sp10/09
Cercopidae		
European Alder Spittlebug	<i>Aphrophora alni</i>	LM nz/KD J118/05
Alder Spittlebug	<i>Clastoptera obtusa</i>	LM nz/KD J118/05
‘Diamond-back Spittlebug’	<i>Lepryonia quadrangularis</i>	LM nz/KD J118/05

Cicadellidae

Four-spotted Clover Hopper	<i>Agallia quadripunctata</i>	LM nz/KD J118/05
Silver Leafhopper	<i>Athysanus argentarius</i>	LM nz/KD J118/05
Grape Leafhopper	<i>Eurythronera tricincta</i>	LM nz/KD J118/06
Saddled Leafhopper	<i>Coladonus clitellarius</i>	LM nz/KD J118/05
Red-banded Leafhopper	<i>Graphocephala coccinea</i>	Tr PD Au30/04
‘Two-lined Leafhopper’	<i>Idiodonus [kennecottii]</i>	LM nz/KD J118/05
‘Pinstripe Leafhopper’	<i>Limotettix nigrax</i>	LM nz/KD J118/05
‘Reticulate Leafhopper’	<i>Paraphlepsius</i> sp.	LM nz/KD J118/05
‘Ghost Hopper’	<i>Scaphodeus</i> sp.	LM nz/KD J118/05
‘Strawhopper’	[<i>Empoasca</i>] sp.	LM nz/KD J118/05
‘Yellow-throated Hopper’	Fam. Cicadellidae Sp. A	LM nz/KD J118/05
‘Silver Minihopper’	Fam. Cicadellidae Sp. B	LM nz/KD J118/07

Flatidae

‘White Plant Hopper’	<i>Anormenis chloris</i> *	BCG/ET PD Au29/06
New World Planthopper	<i>Anormenis septentrionalis</i>	BCF ec/KD Oc23/04

Derbidae

‘White-spotted Derbid’	<i>Otiocerus degeeri</i>	GF/FC Au26/10
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Cixiidae

‘Black Cixiid’	Fam. Cixiidae Sp. A	LM nz/KD J118/05
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Psyllidae

Jumping Plant Louse	<i>Psylla</i> sp.	FC/N KD J110/03
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Ageldidae

Grape Phylloxera	<i>Daktulosphaira vitifoliae</i>	LM KD J120/08
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Aphididae

Brown Ambrosia Aphid	<i>Uroleucon ambrosiae</i>	NF SM J130/09
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*syn. *Ormenoides venusta* (NF SM J130/09)

Homoptera Species Descriptions:

Cicadellidae Sp. A: 3-4mm body black, head pointed, yellow ventrally; wings lightly speckled.

Cicadellidae Sp. B: ‘Silver Minihopper’ 4.5 mm; ground colour pale yellow, elytra with 6 convergent narrow brown stripes (one double); scutellum with three vague triangular marks; eyes pale, with two black “false eyes” inside these medially and a black dot on front of beak.

Cixiidae Sp A: (body 2mm, wings +1mm) body entirely black, with broad frontal carina, eyes reddish, wings smoky brown, with 6 longitudinal veins at mid-wing, incl. costae. legs brownish.

Neuroptera

Corydalidae

Summer Fishfly	<i>Chauliodes pectinicornis</i>	BCF/E SC Je16/07
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Hemerobiidae

Spotted Brown Lacewing	<i>Hemerobius stigma</i>	HP nh/KD J110/02
Mantispidae		
Brown Mantidfly	<i>Climaciella brunnea</i>	LM pd/KD Au13/04
Chrysopidae		
Goldeneye Lacewing	<i>Chrysopa oculata</i>	LM/ER KD
Coleoptera		
Heteroceridae		
‘Variegated Mud Beetle’	[<i>Neoheterocerus</i>] sp.	NF SM J130/09
Cicindelidae		
Six-spotted Tiger Beetle	<i>Cicindela sexguttata</i>	Tr MC Ap17/02
Carabidae		
Ground Beetle	<i>Calasoma</i> sp.,	FCF/FC KD My29/02
European Ground Beetle	<i>Carabus nemoralis</i>	FCF/FC KD Au02/02
Dingy Ground Beetle	<i>Harpalus pennsylvanicus</i>	LM/BCF KD Au/03
Woodland Ground Beetle	<i>Pterostichus</i> sp.	LM/BCF KD Au/03
Shore Beetle	<i>Chlaenius [sericeus]</i> .	TR/B NZ My29/05
Small Ground Beetle	[<i>Bembidion</i>]* sp.	SB KD Au09/04
Dysticidae		
Dysticid beetle	fam. Dysticidae	BCF KD My08/04
Gyrinidae		
Whirligig	<i>Gyrinus</i> sp.	FC/b SCr Sp15/01
Leiodidae		
small black fungus beetle	<i>Agathidium</i> sp.	NF SM J130/09
Silphidae		
Gold-necked Burying Beetle	<i>Necrophorus tomentosus</i>	Tr KD Sp11/04
American Carrion Beetle	<i>Silpha americana</i>	FCN KD My20/01
Staphylinidae		
‘Dappled Rove Beetle’	[<i>Ontholestes cingulatus</i>]	RL nz/KD Au21/05
Blue-winged Rove Beetle	<i>Philonthus cyanipennis</i>	RL nz/KD Au21/05
‘Large Rove Beetle’	<i>Staphylinus</i> sp.	LM KD Au20/03
‘Hairy Rove Beetle’	<i>Staphylinus maxillosus</i>	LM KD Au20/03
‘Handgrip Rove Beetle’	<i>Stenus</i> sp.	NF SM J130/09
‘Yellow-bellied Rove Beetle’	<i>Trypherus frison</i>	NF SM J130/09
Histeridae		
Short Hister Beetle	<i>Hister abbreviatus</i>	LM KD Au20/03
Scarabaeidae		
Round-necked Burying Beetle	<i>Nicrophorus orbicollis</i>	GF/FC PD J118/03
Russian Leather Beetle	<i>Osmoderma eremicola</i>	GF/FC pd/KD Au09/04
Grapevine Beetle	<i>Pelidnota punctata</i>	KD Tr J129/06
June Beetle	<i>Phyllophaga</i> sp.	RL PD Fb20/01
Hairy Flower Beetle	<i>Trichiotinus piger</i>	GF/ER KD J105/09
Dung Beetle	Fam Scarabaeidae	GF KD Au13/04

Elateridae		
Eastern eyed Click Beetle	<i>Alaus oculatus</i>	HB/bnc KD Je24/03
black click beetle	<i>Aeolus</i> sp.	LM nz/KD J118/05
‘Two-toned Click Beetle’	<i>Ampedus</i> sp.	NF SM J130/09
Buprestidae		
Flat-headed Hardwood Borer	<i>Dicerca divaricata</i>	GF/Tr KD Sp11/08
Lampyridae		
‘Two-striped Firefly’	<i>Photinus</i> [<i>pyralis</i>]	NF SM J130/09
Pennsylvania Firefly	<i>Photurus pennsylvanicus</i>	LM KD Je14/04
‘Small Firefly’	<i>Lucidota</i> sp.	LM nz/KDJ118/05
Cantharidae		
Margined Soldier Beetle	<i>Chauliognathus</i> [<i>marginatus</i>]	RL nz/KD Au21/05
Pennsylvania Leatherwing	<i>Chauliognathus pennsylvanicus</i>	LM KD Au20/03
‘Three-ridged Soldier’	<i>Podabrus tricolorata</i>	NF SM J130/09
Bostrichidae		
	<i>Bostrichus bicornis</i>	Tr SC Au13/02
Heteroceridae		
Mud-loving Beetle	<i>Heterocerus</i> sp.	MB SM J130/09
Nitidulidae		
Bindweed Sap Beetle	<i>Conotelus obscurus</i>	LM JS Je16/07
Picnic Beetle	<i>Glischrochilus quadrisignatus</i>	RL KD J128/04
Cucujidae		
Red Flat Bark Beetle	<i>Cucujus clavipes</i>	Tr/log KD Ap17/04
Coccinellidae		
Two-spotted Lady Beetle	<i>Adalia bipunctata</i>	LM KD Au20/03
Seven-spotted Lady Beetle	<i>Coccinella septempunctata</i>	Tr KD Au08
Asian Lady Beetle	<i>Harmonia axyridis</i>	Tr pd/KD Au23/06
Common Lady Beetle	<i>Hippodamia convergens</i>	LM SM J130/09
‘Four-spotted Ladybeetle’	<i>Hippodamia glacialis</i>	LM KD Au15/09
Tenebrionidae		
‘Black Wood Beetle’	<i>Alobates pennsylvanica</i>	Loc SC Je16/07
Forked Fungus Beetle	<i>Bolitotherus cornutus</i>	RL SC Au13/02
	<i>Cymbiodyta</i> sp.	RL SC Au13/02
‘Small-headed Darkling’	Tenebrionidae Species A	RL nz/KD Au21/05
Melandryidae		
	<i>Dircaea quadrimaculata</i>	RL SC Au13/02
‘Black False Darkling’	[<i>Melandrya striata</i>]	RL nz/KD Au21/05
‘Brown-sided Deacon’	<i>Amblyctis praeses</i> *	RB SM J130/09
Meloidae		
Black Blister Beetle	<i>Epicauta pennsylvanica</i>	LM KD Au20/03
Margined Blister Beetle	<i>Epicauta pestifera</i>	LM KD Au24/6
‘Red-collared Oil Beetle’	<i>Nemognatha nemorensis</i>	RZ KD J115/09
Mordellidae		

‘Blue-lined Tumbler’	[<i>Mordella marginata</i>]	NF SM J130/09
Rhipiphoridae		
wedge-shaped Beetle	<i>Rhipiphorus</i> sp.	RL NZ Sp05/05
Cerambycidae		
Ant-mimic Beetle	<i>Euderces picipes</i>	LM KD J118/10
White-spotted Sawyer	<i>Monochamus scutellatus</i>	Tr/GF pd/KD Je10/10
‘French Longhorn’	<i>Clytus ruricola</i>	NF SM J130/09
Longhorn Beetle	sFam. Cerambycinae poss <i>Xylotochus</i>	Tr KD Au09/04
Longhorn Beetle	sFam. Lepturinae	LM pd/KD Au13/04
Red Milkweed Beetle	<i>Tetraopes tetrophthalmus</i>	RL pd?KD J128/04
‘Yellow-banded Longhorn’	<i>Typocerus veluti</i>	NF SM J130/09
Curculionidae		
‘Green Immigrant Weevil’	<i>Polydrusus sericeus</i>	GF KD My24/10
Chrysomelidae		
Swamp Milkweed Leaf Beetle	<i>Labidomera clivicollis</i>	LM/HF sc/KD Sp24/00
Dogbane Beetle	<i>Chrysochus auratus</i>	RB nm/KD J131/01
Spotted Cucumber Beetle	<i>Diabrotica undecimpunctata</i>	pd?KD Tr Au15/05
Golden Tortoise Beetle	<i>Metriona bicolor</i>	GF pd/KD Je15/04
Bruchidae		
‘Grey Bruchid’	Bruchidae sp. A	RL nz/KD Au21/05
Scolytidae		
Hickory Twig Borer	<i>Scolytus</i> sp.	Tr KD My20/03
Hickory Bark Beetle	<i>Scolytus quadrispinosus</i>	Tr kdAC Je03/04
*spec. 3.5 mm, straw yellow elytra w. 3 black cross-bands		
unplaced		
loosestrife control beetle	<i>Galerucela</i> sp.	MB SM J130/09

*extremely rare: see letter from Darren Pollock to Steve Marshall

species descriptions for Coleoptera

Tenebrionidae sp. A: 7-8 mm; all black, head small (0.5mm wide), rows of punctae on elytra; pronotum stipple-punctate, thorax & abdomen same width at joint.

Bruchidae sp. A: 6-7 mm; black ventrally, brown dorsally, covered with fine, appressed hairs; antennae serate, gradually and slightly clubbed; coxae 3 shiny & black standing out from greyish colour of hairs; two dark maculae on rear of elytra; thorax widest at the middle. (convex)

Trichoptera

Limniphilidae

Northern Caddisfly	fam. Limnephilidae	HP nh/KD Au27/01
Case-making Caddisfly	<i>Hesperophylax</i> sp.	BCF kd/SC Ap12/04

Lepidoptera

Papilionidae

Black Swallowtail	<i>Papilio polyxenes</i>	M AW J105/00
Giant Swallowtail	<i>Papilio cresphontes</i>	BCF PD Au20/00
E. Tiger Swallowtail	<i>Papilio glaucus</i>	FCF AW J105/00

Pieridae

Little Yellow	<i>Eurema lisa</i>	RL MA J103/10
Mustard White	<i>Pieris oleracea</i>	LM J118/05 nz/KD
Cabbage White	<i>Pieris rapae</i>	M AW J105/00
Clouded Sulphur	<i>Colias philodice</i>	LM PD J122/00
Orange Sulphur	<i>Colias eurytheme</i>	LM PD Au13/01

Lycaenidae

Bronze Copper	<i>lycaena hyllis</i>	RL PD Au05/00
Banded Hairstreak	<i>Satyrium calanus</i>	OH GP J106/03
Hickory Hairstreak	<i>Satyrium caryaevorum</i>	GF BP J106/03
Coral hairstreak	<i>Satyrium titus</i>	LM/ER PD Je30/07
Eastern Tailed Blue	<i>Everes comyntas</i>	RL AW J105/00
Spring Azure	<i>Celestrina ladon</i>	LM PD My06/00
Summer Azure	<i>Celastrina neglecta</i>	ET PD J118/01

Libytheidae

American Snout Butterfly	<i>Libytheana carinenta</i>	RL PD J128/04
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Nymphalidae

Hackberry Emperor	<i>Asterocampa celtis</i>	ET jn/GP J102/05
Tawny Emperor	<i>Asterocampa clyton</i>	LM PD J102/05
Aphrodite Fritillary	<i>Speyeria aphrodite</i>	RL nz/KD Sp05/05
Great Spangled Fritillary	<i>Speyeria cybele</i>	LM PD J101/01
Meadow Fritillary	<i>Boloria bellona</i>	LM PD J122/00
Silvery Checkerspot	<i>Chlosyne nycteis</i>	RL PD J101/00
Baltimore Checkerspot	<i>Euphydryas phaeton</i>	LM MP J106/03
Milbert's Tortoiseshell	<i>Nymphalis milberti</i>	ER/Cps KD Au15/09
Pearl Crescent	<i>Phyciodes tharos</i>	RL AW J105/00
Northern Crescent	<i>Phyciodes selenis</i>	ET SC Sp24/00
Question-mark	<i>Polygonia interrigationes</i>	ET DW Sp09/00
Eastern Comma	<i>Polygonia comma</i>	LM/ET PD My31/01
Gray Comma	<i>Polygonia progne</i>	ET BK J105/09
Mourning Cloak	<i>Nymphalis antiopa</i>	FC/blf Ap14/01
American Lady (32)	<i>Vanessa virginiensis</i>	LM/FCF PD My13/01
Red Admiral	<i>Vanessa atalanta</i>	FCFPD My06/00
Common Buckeye	<i>Junonia coenia</i>	LM DW Sp15/01
Red-spotted Purple	<i>Limenitis arthemis</i>	RL PD Au05/00
Viceroy	<i>Limenitis archippus</i>	LM PD Au30/02
Northern Pearly-eye	<i>Enodia anthedon</i>	FCF AW J105/00

Satyridae

Eyed Brown	<i>Satyroides eurydice</i>	ET PD Au05/00
Little Wood Satyr	<i>Megisto cymela</i>	FCF PD JI01/01
Common Ringlet	<i>Coenonympha tullia</i>	LM PD Je30/01
Inornate Ringlet	<i>Coenonympha tullia inornata</i>	LM/HBF
Common Wood-Nymph	<i>Cercyonis pegala</i>	BCF PD JI01/01
Danaidae		
Monarch	<i>Danaus plexippus</i>	RL PD Au05/00
Hesperiidae		
Silver-spotted Skipper	<i>Epargyreus clarus</i>	ET PD JI18/01
Duskywing species	<i>Erynnis</i> sp	RL
Dun Skipper	<i>Euphyes vestris</i>	RL pd/GP JI02/05
Peck's Skipper	<i>Polites peckius</i>	HL/N PD
Little Glassy Wing	<i>Pompeius vema</i>	LM JI18/05 nx/KD
Northern Cloudy-wing	<i>Thorybes pylades</i>	RL AW JI05/00
European Skipper	<i>Thymelicus lineola</i>	LM PD Je17/01
Northern Broken Dash	<i>Wallengrenia egeremet</i>	MB/W BK JI05/09
Sphingidae		
Nessa Sphinx Moth	<i>Amphion nessa</i>	PD Tr JI10/06
Elm Shinx Moth	<i>Ceratomia amyntor</i>	BCF nm/KD JI25/00
Waved Sphinx Moth	<i>Ceratomia undulosa</i>	Br KD/PD JI01/06
Lettered Sphinx Moth	<i>Daedamia inscripta</i>	RSF KD Sp17/06
Virginia Creeper Sphynx Moth	<i>Darapsa myron</i>	HBF/LM PD JI18/03
Pandora Sphinx Moth	<i>Eumorpha pandorus</i>	BCF bc/KD Sp17/08
Hummingbird Moth	<i>Hemaris thysbe</i>	RL PD Au05/00
Small-eyed Sphinx	<i>Paonias myops</i>	BCF/E sc/KD Je16/07
One-eyed Sphinx	<i>Smerinthus cerisyi</i>	BCF wc/KD Je10/09
Hermit Sphynx Moth	<i>Sphynx eremitus</i>	LM JI18/05 nz/KD
Saturniidae		
Luna Moth	<i>Actias luna</i>	Tr KD JI02/05
Polyphemus Moth	<i>Antheraea Polyphemus</i>	KD RSF JI10/06
Io Moth	<i>Automeris io</i>	ET KD Je17/01
Promethea Moth	<i>Callosamia promethea</i>	LM nm/JD Au24/02
Cecropia Moth	<i>Hyalophora cecropia</i>	TR PD JI02/05
Lasiocampidae		
Eastern Tent Caterpillar Moth	<i>Malacosoma americanum</i>	
Arctiidae		
Tiger Moth	<i>Apantesis</i> sp.	UM/ER KD Je10/01
Yellow-collared Scape Moth	<i>Cisseps fulvicollis</i>	GF/FC KD Au17/10
Virginia Ctenucha	<i>Ctenucha virginica</i>	LM PD Je22/02
Dogbane Tiger Moth	<i>Cyenia tenera</i>	RL nz/KD JI31/05
Salt Marsh Moth	<i>Estigmene acrea</i>	UM KD Oc29/01
Milkweed Tussock Moth	<i>Euchaetes egle</i>	RBIf PD Au24/06
Virgin Tiger Moth	<i>Grammia isabella</i>	ET SC Sp24/00

Banded Tussock Moth	<i>Halysidota tessallaris</i>	BCF SC Sp24/00
Lichen Moth	<i>Hypoprepia fucosa</i>	Loc SC Au13/02
Hickory Tussock Moth	<i>Lophocampa caryae</i>	Tr PD Sp21/05
White-marked Tussock Moth	<i>Orgyia leucostigma</i>	KD Tr Au30/04
Isabella Tiger Moth	<i>Pyrrharctia isabella</i>	TH SC Sp15/01
Large Ruby Tiger Moth	<i>Phragmatobia assimilans</i>	LM nz/KD J131/05
Virginian Tiger Moth	<i>Spilosoma virginica</i>	RL pd/KD My15/09
Noctuidae		
Pantheinae		
Black Zigzag	[<i>Panthea acronyctoides</i>]	RL nz/KD Au21/05
Acronictinae		
American Dagger Moth	<i>Acronicta americana</i>	RSF/E KD Au23/03
Connected Dagger Moth	<i>Acronicta connecta</i>	LM nz/KD J131/05
Harris's Three-spot	<i>Harrisimemna tristigmata</i>	RL J131/05 nz/KD
Noctuinae		
Finland Dart	<i>Actebia fennica</i>	RL nz/KD Au11/05
Venerable Dart	<i>Agrotis venerabilis</i>	LM nz/KD J131/05
Pale-banded Dart	<i>Euxoa badinodis</i>	RL nz/KD Au11/05
Rubbed Dart	<i>Euxoa detersa</i>	LM nz/KD J131/05
Divergent Dart	<i>Euxoa divergens</i>	LM J131/05 nz/KD
Reaper Dart	<i>Euxoa [messaria]</i>	RL nz/KD Au11/05
Polished Dart	<i>Euxoa perpolita</i>	LM J118/05 nz/KD
Fillet Dart	<i>Euxoa redimicula</i>	HP nh/KD Sp15/05
Dingy Cutworm Moth	<i>Feltia jaculifera</i>	LM SC Au13/02
'European Underwing'	<i>Noctua pronuba</i>	CP KD Je21/09
Brown-collared Dart	<i>Protolampra bunneicollis</i>	LM J131/05 nz/KD
Hadeninae		
Achatia Moth	<i>Achatia [distincta]</i>	Loc SC Au13/02
Olive Arches	<i>Lacinipolia olivacea</i>	RL nz/KD J131/05
Bridled Arches	[<i>Lacinipolia lorea</i>]	RL nz/KD Au21/05
Small Brown Quaker	<i>Pseudorthodes vecors</i>	RL nz/KD Au11/05
Signate Quaker	<i>Tricholita signata</i>	KD Tr J124/06
Cuculliinae		
Asteroid Moth	<i>Cucullia asteroides</i>	NK KD Sp24/05
Brown-hooded Owlet	<i>Cucullia convexpennis</i>	LM J131/05 nz/KD
Amphipyrenae		
Ignorant Apamea	<i>Apamea indocilis</i>	LM nz/KD J131/05
Three-lined Balsa	<i>Balsa [tristigella]</i>	LM nz/KD J131/05
The Gold Moth	<i>Basilodes pepita</i>	Loc SC Au13/02
Verbena Moth	<i>Crambodes taliformis</i>	RL nz/KD Au21/05
Gray Half-spot	<i>Nedra ramosula</i>	LM J118/05 nz/KD
Black-banded Brocade	<i>Oligia [modica]</i>	RL nz/KD Au21/05
Dusky Groundling	<i>Platysenta vecors</i>	RL nz/KD J131/05

Common Groundling	<i>Platysenta videns</i>	LM JI31/05 nz/KD
Armyworm Moth	<i>Spodoptera dolichos</i>	Tr KD Au14/06
Agaristinae		
Eight-spotted Forester	<i>Alypia octomaculata</i>	KD Tr JI21/06
Heliiothinae		
Acontiinae		
Nolinae		
Sarothripinae		
Euteliinae		
Plusiinae		
Common Looper	<i>Autographa precationis</i>	LM nz/KD JI31/05
Gray Looper Moth	<i>Rachiplusia ou</i>	LM nz/KD JI31/05
Catocalinae		
Short-lined Chocolate Moth	<i>Argyrostromis anilis</i>	BCF/E sc/KD Je16/07
Vetch Looper Moth	<i>Caenurgina chloropha</i>	LM nz/KD JI31/06
Forage Cabbage Looper	<i>Caenurgina erechtea</i>	LM/HBF KD
The Penitent Moth	<i>Catocala piatrix</i>	Loc SC Au13/02
Praeclara Underwing	<i>Catocala praeclara</i>	Loc SC Au13/02
Catocaline Moth	<i>Catocala [fratercula]</i>	Loc SC Au13/02
Maple Zale	<i>Zale galbanata</i>	LM nz/KD JI31/05
'Moon Moth'	<i>Zale lunata</i>	Loc SC Au13/02
Hypeninae		
Baltimore Bomolocha	<i>Bomolocha baltimoralis</i>	RL nz/KD Au21/05
Hypenodinae		
Rivulinae		
Bent-line Tan	<i>Oxycilla malaca</i>	RL nz/KD Au21/05
Herminiinae (placed in new family? Erebiidae)		
Dark Renia	<i>Renia sobrialis</i>	RL nz/KD Sp25/05
Thyatiridae		
Lettered Habrosyne*	<i>Habrosyne scripta</i>	RL nz/KD Au11/05
Geometridae		
Common Gray	<i>Anavitrinella pampinaria</i>	Tr pd/KD Au11/07
The Infant	<i>Archiearis infans</i>	LM nz/KD JI31/05
Pepper-and-salt Geometer	<i>Biston botularia cognataria</i>	LM KD
Cross-lined Wave	<i>Calocythanis amaturaria</i>	RL nz/KD Sp24/05
The Beggar	<i>Eubaphe mendica</i>	Nk KD JI05/08
Snowy Geometer	<i>Eugonobapta nivosaria</i>	Nk KD JI05/08
Chickweed Geometer	<i>Haematopsis grataria</i>	HP nh/KD Au27/05
Lesser Maple Spanworm	<i>Itame pustularia</i>	Nk KD JI05/08
Barred Itame	<i>Itame subcessaria</i>	Tr pd/KD JI02/05
Common Lytrosis	<i>Lytrosis unitaria</i>	BCF/E sc/KD Je16/07
Horned Spanworm	<i>Nematocampa resistaria</i>	Loc SC Je16/07
Large Maple Spanworm	<i>Prochoerodes transversata</i>	RL nz/KD Sp25/05

Soft-lined Wave	<i>Scopula inductata</i>	Tr pd/KD Au09/09
Crocus Geometer	<i>Xanthoypete sospeta</i>	ET/VP KD Je29/09
False Crocus Geometer	<i>Xanthoypete urticaria</i>	Loc SC Au13/02
Choreutidae		
Diana's Choreutis Moth	<i>Choreutis diana</i>	RSF wc/KD J11/10
Ctenuchidae		
Virginia Ctenuchid Moth	<i>Ctenucha virginica</i>	GF KD Je15/04
Lymantriidae		
Gypsy Moth	<i>Lymantria dispar</i>	BCF SC Sp24//00
Tortricidae		
'Roadmap Moth'	Choristoneura rosaceae	NF SM J130/09
Locust Borer	[<i>Megacyllene robiniae</i>]	BCF/ET KD Sp16/00
Coleophoridae		
Case-bearing Moth	fam. Coleophoridae	LM KD J113/02
Notodontidae		
Walnut Caterpillar	<i>Datana integerrima</i>	LM KD Au23/06
Chestnut Schizura	[<i>Schizura badia</i>]	RL nz/KD J131/05
Pyralidae		
8-spotted Goldenrod Moth	<i>Anania funebrii glomeralis</i>	LM J131/05 nz/KD
Grape Leafroller Moth	<i>Desmia funeralis</i>	Tr pd/KD Sp20/08
Grape Leafholder Moth	<i>Desmia maculalis</i>	HP nz/KD Au27/05
Sod Webworm Moth	[<i>Pediasa trisecta</i>]	LM nz/KD J131/05
*uncommon		
Mecoptera		
Bittacidae		
Bristled Hangingfly	<i>Bittacus strigosus</i>	NF SM J130/09
Meropeidae		
Earwigfly*	<i>Merope tuber</i>	RL Au31/05 nz/KD
Panorpidae		
Scorpionfly	<i>Panorpa claripennis</i>	Loc SC Je16/07
*rare		
Psocoptera		
Lepidopsocoptera		
'Spear-winged Barklouse'*	fam. Lepidopsocoptera	RL nz/KD J131/05
Pspocidae		
Tree Cattle	<i>Cerastipsocus venosus</i>	RL Au31/05 nz/KD
Polypsocidae		
Corrupt Bark Louse	<i>Polypsocus corruptus</i>	RL nz/KD J131/05
Myopsocidae		
'Fringed Bark Louse'	<i>Lichenomina</i> sp.	RL Au31/05 nz/KD

Species descriptions for Psocoptera

*Spear-winged Barklouse: length 3.5-4.0 mm, fore wings uniformly smoky and sharply pointed at apex, both wings symmetrically lanceolate, head & thorax dark, light grey abdomen with dark tip, legs banded, tarsi 3-segmented..

Diptera

Tipulidae

'Two-banded Crane Fly'	<i>Limonia cinctipes</i>	RL nz/KD Sp25/05
Crane Fly	<i>Tipula [duplex]</i>	RL nz/KD J131/05
'Dagger Crane Fly'	<i>Tipula caloptera</i>	NF SM J130/09
'Three-striped Crane Fly'	<i>Nephrotoma pedunculata</i>	RL nz/KD J131/05
'Yellow Crane Fly'	[<i>Tipula monticola</i>]	RL nz/KD J131/05

Culicidae

Chironomidae

Midge	<i>Chironomus</i> sp.	FC AK Nv02/00
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Keroplastidae

Fungus Gnat	<i>Keroplastus</i> sp.	NF SM J130/09
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Cecidomyiidae

'Apical Gall Midge'	<i>Asphondylia</i> sp.	SB KD Au22/10
Grape Petiole Gall Gnat	[<i>Neolasioptera vitinea</i>]	KD LM Au28/06
Willow Cone Gall Gnat	<i>Rhabdophaga strobiloides</i>	SB KD J105/06
Goldenrod Gall Gnat	<i>Rhopalomyia solidaginis</i>	LM KD Au09/06

Xylophagidae

Xylophagidae	<i>Coenomyia</i> sp.	nz/DB RL/BCF J118/05
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Tabanidae

Green-headed Horse Fly	<i>Hybomytra lasioptalma</i>	Tr KD J106/03
Striped Horse Fly	<i>Tabanus lineolus</i>	LM nz/KD J118/05
Striped Deer Fly	<i>Chrysops vittatus</i>	HP nh/KD Au13/01
Deer Fly	<i>Chrysops frigidus</i>	LM nz/KD J118/05
Horse Fly	<i>Stonemyia rasa</i>	LM nz/KD J118/05

Therevidae

'Red-bellied Stiletto Fly'	<i>Cyclotelus rufiventris</i>	RL nz/KD 16/06/05
'Bald Stiletto Fly'	[<i>Thereva</i> sp.]	LM nz/KD J118/05
Stiletto Fly	Therevidae sp. A*	RL nz/KD J131/05

Asilidae

Robber Fly	[<i>Efferia</i>] sp.	Tr KD Au13/04
'Black Robber Fly'	sFam. Laphriinae - Sp A*	RL nz/KD J131/05
Robber Fly	<i>Laphria divisor</i>	Tr KD Je19/06
Robber Fly	<i>Laphria index</i>	GF KD Je12/08
Robber Fly	<i>Laphria [virginica]</i>	NF SM J130/09
'Beardless Robber Fly'	<i>Leptogaster [cylindrica]</i>	NF SM J130/09
'Erimine Robber Fly'	[<i>Machimus</i>] sp.	RL nz/KD J131/05

robber fly	<i>Neoitamus [flavofemoratus]</i>	NF SM J130/09
Robber Fly	[<i>Promarchus</i>] sp.	LM KD J118/03
‘Small Black Robber Fly’	sFam. Laphrystiinae	RL nz/KD J118/05
Bombyliidae		
Large Bee Fly	<i>Bombylius</i> sp.	Tr KD My08/04
‘Raccoon Bee Fly’	<i>Bombylius major</i>	RZ KD Au30/09
‘Black Bee Fly’	<i>Anthrax tigrinus</i>	Tr KD Sp01/04
Empididae		
‘Feather-legged Dance Fly’	<i>Rhamphomyia [longicauda]</i>	RL/BCF nz/DB J105/06
‘Three-striped Dance Fly’	<i>Rhamphomyia</i> sp.	LM nz/KD J131/05
Dolichopodidae		
Condylostylid Fly	<i>Condylostylus</i> sp.	nz/DB RL/BCF J118/05
	<i>Neurigona</i> sp.	nz/DB RL/BCF J118/05
Pipunculidae		
Big-headed Fly	Fm. Pipunculidae	LM nz/KD J118/05
Canopidae		
Thick-headed Fly	<i>Zodion</i> sp	NF SM J130/09
Syrphidae		
Yellowjacket Hover Fly	<i>Milesia virginiensis</i>	RSF SM J130/09
American Hover Fly	<i>Metasyrphus americanus</i>	KD LM Au30/04
Blue-winged Flower Fly	<i>Chalcosyrphus chalybeus</i>	loc SM J130/09
‘Small Syrphid’	fam. Syrphidae	LM KD Au20/03
(ID pending)		
Syrphinae		
‘White-banded Hoverfly’	<i>Chrysotoxum pubescens</i>	RL nz/AY J131/05
	<i>Dasysyrphus[albostrigatus]</i>	NF SM J130/09
	<i>Eupeodes latifasciatus</i>	LM nz/AY J118/05
	<i>Eupeodes pomus</i>	RL nz/AY Au11/05
	<i>Melanostoma mellium</i>	RL nz/AY Au21/05
	<i>Ocyrtamus fascipennis</i>	LM nz/AY J131/05
	<i>Ocyrtamus fuscipennis</i>	LM nz/AY J131/05
	<i>Platycheirus immarginatus</i>	LM nz/AY J118/05
	<i>Syrphus knabi</i>	RL nz/AY J131/09
	<i>Syrphus rectus</i>	RL nz/AY J131/05
	<i>Syrphus ribesii</i>	RL nz/AY J131/05
	<i>Toxomerus geminatus</i>	LM nz/AY J118/05
	<i>Toxomerus marginatus</i>	LM nz/Ay J118/05
	<i>Xanthogramma flavipes</i>	RL nz/AY Au11/05
Eristalinae		
	<i>Chalcosyrphus nemorum</i>	LM nz/AY J131/05
	<i>Eristalis transversa</i>	RL nz/AY J131/05
	<i>Helophilus fasciatus</i>	RL nz/AY Sp05/05
	<i>Pterallastes thoracicus</i>	RL nz/AY Au11/05

	<i>Rhingia nasica</i>	RL nz/AY Au11/05
	<i>Sphagina campanulata</i>	RL nz/AY J118/05
	<i>Xylota quadrimaculata</i>	RL nz/AY Au21/05
	<i>Xylota subfasciata</i>	RL nz/AY Au11/05
Micropezidae		
‘Antenna Fly’	<i>Rainieria antennaepes</i>	FC/LR SM J130/09
Diopsidae		
Stalk-eyed Fly**	<i>Sphyracephala brevicornis</i>	FC SM J130/09
Otitidae		
Picture-winged Fly	Fm. Otitidae	RL KD J128/04
‘Three-banded Otitid’	<i>Tritoxa incurva</i>	NF SM J130/09
Tephritidae		
Goldenrod Gall Fly	<i>Eurosta solidaginis</i>	LM KD My21/06
‘Dappled Fruit Fly’	<i>Eutreta novaboracensis</i>	NF SM J130/09
Sunflower Maggot (Fly)	<i>Strauzia longipennis</i>	RL KD Sp13/09
Dryomyzidae		
‘Pale Orange Dryomyzid’	<i>Dryomyza [flaveola]</i>	NF SM J130/09
Sciomyzidae		
Marsh Fly	<i>Tetanocera plebeja</i>	Loc. SC Au13/02
Chloropidae		
‘Red-eyed Frit Fly’	<i>Cetema [cereris]</i>	NF SM J130/09
Anthomyiidae/Sacatophagidae		
Yellow Dung Fly	<i>Scatophaga [stercoraria]</i>	NF SM J130/09
Muscidae		
‘Jade House Fly’	<i>Eudasyphora cyanicolor</i>	NF SM J130/09
Tachinidae		
beelike Tachinid fly*	<i>Bombyliopsis abrupta</i>	HL pd/KD J120/09
‘White-headed Fly’	<i>Epalpus</i> sp.*	RB KD J115/09
‘Yellow-banded Tachinid’	<i>Belvosia</i> sp.	LM SC/kd
Calliphoridae		
Greenbottle Fly	<i>Phaenicia</i> sp.	LM KD Au30/04
‘Big-headed Blow Fy’	<i>Chrysomya [megacephala]</i>	LM nz/KD J118/05
Sarcophagidae		
Friendly Fly	<i>Sarcophaga [aldrichi]</i>	LM nz/KD J118/05
Red-tailed Flesh Fly	<i>Sarcophaga haemorrhoidalis</i>	LM KD Au30/04
Hymenoptera		
Tenthredinidae		
Common Sawfly*	fam. Tenthredinidae	Tr pdKD Je15/04
*black abd. & legs, orange dorsum on th.		
Cimbicidae		
‘Army Sawfly’	[<i>Nematus</i>] sp.	FC SM J130/09
Siricidae		

Pigeon Horntail	<i>Tremex Columba</i>	HB/bnch KD Au14/03
Braconidae		
Braconid Wasp	[<i>Rogas</i> sp.]	RL nz/KD J131/05
‘Red-legged Braconid’	[<i>Dusona</i>] sp.	Tr pd/KD Sp27/09
‘Small Black Braconid’	fam. Braconidae	RL nz/KD J131/05
Ichneumonidae		
‘Long-tailed Ichneumon’	<i>Megarhyssa</i> sp.	RSF/HB SM J130/09
Short-tailed Ichneumon	<i>Ophion</i> sp.	Tr KD Au30/03
‘Black-and-red-banded Inchnemon’	<i>Therion</i> sp.	LM/Rd KD J131/10
Cynipidae		
Hedgehog Gall Wasp	<i>Acraspis erinacei</i>	GF KD Au26/10
Oak Apple Gall Wasp	[<i>Amphibolips</i>] sp.	HB KD Sp17/08
Small Pea Gall Wasp	<i>Cynipis divisa</i>	GH/LM KD Sp11/08
Bedeguar Gall Wasp	<i>Diplolepis rosae</i>	LM/HBF PD Ap27/05
Gasteruptiidae		
Gasteruptiid Wasp	<i>Gasteruption</i> sp.	GF KD Je15/04
Chrysididae		
Cuckoo Wasp	<i>Chrysis [coerulans]</i>	Tr pd/KD J118/03
Tiphiidae		
‘Black Flower Wasp’	s.fam. Tiphiinae	RL nz/KD J131/05
Formicidae		
Black Carpenter Ant	<i>Camponotus pennsylvanicus</i>	GF/FC KD Je15/04
Allegheny Mound Ant	<i>Formica exsecta</i> gp*.	LM KD Au17/10
Black Mound Ant	<i>Formica fusca</i>	LM KD My30/06
Winged Ant (male)	<i>Formica [argentea]</i>	LM nz/KD J131/05
Pompilidae		
‘Red-banded Spider Wasp’	<i>Anoplius semirufus</i>	RL nz/KD J131/05
‘Black Spider Wasp’	[<i>Anoplius</i>] sp. (not sr)	RL nz/KD J131/05
Vespidae		
Potter Wasp	<i>Eumenes fraternus</i>	LM/HF KD Ap18/02
European Paper Wasp	<i>Polistes dominulus</i>	GF/FC KD Au17
Northern Paper Wasp	<i>Polistes fuscatus</i>	LM nm/KD Ap22/01
Bald-faced Hornet	<i>Dolichovespula maculata</i>	LM nz/KD J131/05
Aerial Yellowjacket	<i>Dolichovespula arenaria</i>	LM/tr KD Je30/03
Eastern Yellowjacket	<i>Vespula maculifrons</i>	RL nz/KD J131/05
Common Yellowjacket	<i>Vespula vulgaris</i>	RL nz/KD J118/05
Large Vespid Wasp	Fm. Vespidae	HB KD J129/04
Sphecidae		
Black-and-Yellow Mud Dauber	<i>Sceliphron caementarium</i>	
Blue Mud Wasp	<i>Chlorion californicae</i>	Tr pd/KD J128/04
‘Yellow-striped Digger’	<i>Cerceris</i> sp.	LM/GF KD Au12/10
Mason Wasp	[<i>Euodynerus foraminatus</i>]	RL nz/KD J118/05
Square-headed Wasp	<i>Ectemnius</i> sp.	LM nz/KD J131/05

Thread-wasted Wasp	sFam. Sphecinae	LM KD Au20/03
Small Sphecid Wasp	sFam. Crabroninae	RL KD JI28/04
‘Black Nyssonid Wasp’	Tr. Nyssonini	RL nz/KD JI18/05
Aphid Wasp	Tr. Pemphredonini	RL KD JI28/04
Sand-wasp	[<i>Liris</i> sp.] Larrinae	LM nz/KD JI31/06
‘Caterpillar Wasp’	<i>Ammophila procera</i>	Tr KD Sp11/08
Andrenidae		
Mining Bee	[<i>Andrena</i>] sp.	LM/GF KD JI26/04
Andrenid Bee	[<i>Andrena</i>] sp.] Andreninae	LM nz/KD JI18/05
Halictidae		
Splendid Sweat Bee	<i>Agapostemon splendens</i>	LM nz/KD JI31/05
Apidae		
Digger Bee	[<i>Anthophora</i> sp.]	LM nz/KD JI18/05
Honey Bee	<i>Apis mellifera</i>	LM PD Sp03/00
Black Honey Bee	<i>Apis mellifera mellifera</i>	LM nz/KD JI16/05
‘Pollenbag Leafcutter’	<i>Megachile [frigida]</i>	LM KD Au JI25/10
‘Banded Leaf-cutter’	<i>Megachile</i> sp. A	BCF KD Sp24/00
‘Black Leaf-cutter’	<i>Megachile</i> sp. B	RL nz/KD JI18/05
Bumblebee	<i>Bombus impatiens</i>	LM RG Sp06/01
Bumblebee	<i>Bombus vagans</i>	LM RG Sp06/01
Bumblebee	<i>Bombus perplexus</i>	RSF Sp06/01
Bumblebee	<i>Bombus grisecollis</i>	UM RG Sp06/01
Golden Northern Bumblebee	<i>Bombus fervidus</i>	UM RG Sp06/01
Parasitic Bumblebee	<i>Psithyrus citrinus</i>	LM RG Sp06/01
‘Large Carpenter Bee’	<i>Xylocopa</i> sp.	Tr EC Sp26/04

CHORDATA [206]

OSTEICHTHYES (superclass PISCES)

Lepisosteiformes

Lepisosteidae

Longnose Gar *Lepisosteus osseus* TR/FC DJ Je06/02

Salmoniformes

Salmonidae

Rainbow Trout *Oncorhynchus mykiss* TR CC (My13/01)

Esociformes

Esocidae

Northern Pike *Esox lucius* FC DJ Ap02/10
 Pickerel *Stizistedion vitreum* TR CC (My13/01)

Cypriniformes

Cyprinidae

Brassy Minnow	<i>Hybognathus hankinsoni</i>	FC KD Au07/08
Hornyhead Chub	<i>Nocomis biguttatus</i>	FC dj/KD Sp20/03
Emerald Shiner	<i>Notropis atherinoides</i>	FC/br KD Sp20/03
Bluntnose Minnow	<i>Pimephales notatus</i>	FC sl/KD Au07/08

Catostomidae

White Sucker	<i>Catostomus commersoni</i>	FC/LR KD My20/01
Northern Hogsucker	<i>Hypentelium nigricans</i>	FC dj/KD Ap02/10
Golden Redhorse	<i>Moxostoma erythrurum</i>	TR dj/KD Ap02

Siluriformes

Ictaluridae

Channel Catfish	<i>Ictalurus punctatus</i>	TR DJ Je23/01
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Perciformes

Moronidae

White Bass	<i>Morone chrysops</i>	TR/FC SL Je06/02
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Centrarchidae

Rock Bass	<i>Ambloplites rupestris</i>	mj/KD FC Sp20/03
Smallmouth Bass	<i>Micropterus dolomieu</i>	TR CC (My13/01)
Pumpkinseed	<i>Lepomis gibbosus</i>	TR/FC DJ Je06/02

Percidae

Greenside Darter	<i>Etheostoma blennioides</i>	TR/RP dj/KD Au26/08
Rainbow Darter	<i>Etheostoma caeruleum</i>	FC sl/KD Au07/08
Johnny Darter	<i>Etheostoma nigrum</i>	FC pd/KD Je04/09
Logperch	<i>Percina caprodes</i>	TR/RP dj/KD Au26/08

Sciaenidae

Freshwater Drum	<i>Aplodinotus grunniens</i>	TR DJ Je23/01
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Supplemental

In addition, the following fish were claimed by Delbert Sittler (now deceased), an experienced fisherman who lived by the Thames.. (These are not counted in the biosurvey)

Bluegill	<i>Lepomis macrochirus</i>	TR DS (Sp25/01)
Black Crappie	<i>Pomoxis nigromaculatus</i>	TR DS (Sp25/01)
White Crappie	<i>Pomoxis annularis</i>	TR DS (Sp25/01)
Silver Redhorse*	<i>Moxostoma anisurum</i>	TR DS (Sp25/01)
Yellow Perch	<i>Perca flavescens</i>	TR DS (Sp25/01)
Common Carp	<i>Cyprinus carpio</i>	TR DS (Sp25/01)
Yellow Bullhead	<i>Ameiurus natalis</i>	TR DS (Sp25/01)
Black Bullhead	<i>Ameiurus melas</i>	TR DS (Sp25/01)
Coho Salmon**	<i>Onchorynchus kisatch</i>	TR DS (Sp25/01)

* Also known locally as “Mullet”

** not supposed to be in Ontario

AMPHIBIA (9)

Anura

Bufonidae

American Toad *Bufo Americanus* BCF KD J122/00

Hylidae

Grey Treefrog *Hyla versicolor* TR PD My13/01

Ranidae

Northern Leopard *Rana pipiens* RL PD J122/00

Green Frog *Rana clamitans* LM KD Je18/00

Wood Frog *Rana sylvatica* BCF nm/KD J107/00

Western Chorus Frog *Pseudacris triseriata* BCF KD Ap05/01

Spring Peeper *Pseudacris crucifer* BCF DW Sp09/00

Urodela

Plethodontidae

Redback Salamander *Plethodon cinereus* FCF GT My29/05

Red-spotted Newt *Notophthalmus viridescens virid.* FCF GT My29/05

REPTILIA (4)

Testudines

Chelydridae

Snapping Turtle *Chelydra serpentina* TR MC Je01/03

Trionychidae

Eastern Spiny Softshell *Apalone spinifera spinifera* THR KD J119/00

Squamata

Colubridae

Eastern Garter Snake *Thamnophis sylvaticus sylvaticus* ET KD Oc27/00

Brown Snake *Storeria dekayi* [var. *texana*] LM/BCF KD Je30/01

AVES (138)

Ciconiiformes

Phalacrocoracidae

Double-crested Cormorant *Phalacrocorax auritus* TR PD Au30/02

Anseriformes

Anatidae

Tundra Swan	<i>Cygnus columbidus</i>	UM PD Mr21/01
Canada Goose	<i>Branta canadensis</i>	TR KD Mr04/01
Green-winged Teal	<i>Anas crecca</i>	HP NH Ap03/02
Mallard	<i>Anas platyrhynchos</i>	TR PD My31/01
Wood Duck	<i>Aix sponsa</i>	TR PD My31/01
Bufflehead	<i>Bucephala albeola</i>	FC MB Ap24/02
Hooded Merganser	<i>Lophodytes cucullatus</i>	HP NH Ap03/02
Common Merganser	<i>Mergus merganser</i>	TR KD Jl26/04
Falconiformes		
Cathartidae		
Turkey Vulture	<i>Cathartes aura</i>	LM PD My06/00
Accipitridae		
Cooper's Hawk	<i>Accipiter cooperii</i>	LM JB Sp10/02
Sharp-shinned Hawk	<i>Accipiter striatus</i>	TR PD Nv01/05
Red-tailed Hawk	<i>Buteo jamaicensis</i>	RL KD Jl25/00
Rough-legged Hawk	<i>Buteo lagopus</i>	UM PD Dc2701
Broad-winged Hawk	<i>Buteo platypterus</i>	EW JB Sp14/02
Northern Harrier	<i>Circus cyaneus</i>	UM MC Ap17/02
Merlin	<i>Falco columbarius</i>	HP NH Dc21/02
American Kestrel	<i>Falco sparverius</i>	UM KD Ja30/01
Bald Eagle	<i>Haliaeetus leucocephalus</i>	TR PD Je16/05
Osprey	<i>Pandion haliaetus</i>	TR MC My18/04
Galiformes		
Phasianidae		
Wild Turkey	<i>Meleagris gallopavo</i>	FCF/blf KD Ja30/01
Ruffed Grouse	<i>Bonasa umbellus</i>	HB/N DW Sp09/00
Cirroniformes		
Ardeidae		
Great Blue Heron	<i>Ardea herodias</i>	RL KD Au05/00
Green Heron	<i>Butorides striatus</i>	UM PR Sp17/00
Fruiformes		
Rallidae		
American Coot	<i>Fulica americana</i>	TR/ST DW Oc31/00
Charadriiformes		
Charadriidae		
Killdeer	<i>Charadrius vociferus</i>	RSF/E DW Sp09/00
Scolopacidae		
Solitary Sandpiper	<i>Tringa solitaria</i>	RL MC Au06/01
Spotted Sandpiper	<i>Actitis macularia</i>	RB PD My25/00
American Woodcock	<i>Scolopax minor</i>	HB/E KD Ap24/01
Laridae		
Ring-billed Gull	<i>Larus delawarensis</i>	TR PD Ap17/02
Columbiformes		

Columbidae		
Mourning Dove	<i>Zenaidura macroura</i>	ET NM Ap01/01
Rock Dove	<i>Columba livia</i>	UM/Rd PD Au10
Cuculiformes		
Cuculidae		
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	ER WW Je16/07
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	RSF MC Au14/01
Strigiformes		
Strigidae		
Eastern Short-eared Owl	<i>Asio flammeus</i>	UM wc/KD Oc29/05
Eastern Screech Owl	<i>Otus asio</i>	FCF KD Au12/01
Great Horned Owl	<i>Bubo virginianus</i>	FCF/FC DJ Fb25/01
Caprimulgiformes		
Caprimulgidae		
Common Nighthawk	<i>Chordeiles minor</i>	LM KD My17/03
Apodiformes		
Trochilidae		
Ruby-throated Hummingbird	<i>Archilocus colubris</i>	LM/ET PD Au28/01
Trogoniformes		
Trogonidae		
Belted Kingfisher	<i>Ceryle alcyon</i>	RL PD My06/00
Piciformes		
Picidae		
Red-bellied Woodpecker	<i>Centurus carolinus</i>	FCF/LM My06/00
Northern Flicker	<i>Colaptes auratus</i>	BCF SC Oc24/00
Pileated Woodpecker	<i>Hylatomus pileatus</i>	PD LM/E Ja28/06
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	Tr PD My08/04
Hairy Woodpecker	<i>Picoides villosus</i>	BCF MFN Ap28/01
Downy Woodpecker	<i>Picoides pubescens</i>	EW PD My06/00
Yellow-bellied Sapsucker	<i>Sphyrapicus varius varius</i>	RSF PD
Passeriformes		
Tyrannidae		
Eastern Wood Pewee	<i>Cantopus virens</i>	RSF/E DW Sp09/00
Least Flycatcher	<i>Empidonax minimus</i>	RSF MC Au14/01
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	HB PD Au31/01
Eastern Phoebe	<i>Sayornis phoebe</i>	HP NH date?
Eastern Kingbird	<i>Tyrannus tyrannus</i>	TR PD Je07/01
Hirundinidae		
Horned Lark	<i>Eremophila alpestris</i>	NF/E PD Dc27/05
Barn Swallow	<i>Hirundo rusticus</i>	RL WEN My17/01
Tree Swallow	<i>Iridoprocne bicolor</i>	UM HS Ap13/01
Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	LM JS Je16/07
Purple Martin	<i>Progne subis</i>	TR MC Au14/01

Bank Swallow	<i>Riparia riparia</i>	RL MP Ja07/01
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	
Corvidae		
Blue Jay	<i>Cyanocitta cristata</i>	BCF KD Dc10/00
American Crow	<i>Corvus brachyrhynchos</i>	FCFPD My06/00
Paridae		
Black-capped Chickadee	<i>Parus atricapillus</i>	FCF/LM PD My06/00
Tufted Titmouse	<i>Parus bicolor</i>	LM/FCF PD Fb20/01
Sittidae		
White-breasted Nuthatch	<i>Sitta caroliniensis</i>	FCF/LM PD Oc01/00
Red-breasted Nuthatch	<i>Sitta canadensis</i>	Tr HC Ap13/01
Brown Creeper	<i>Certhia americana</i>	FCF/br PD Ja27/02
Troglodytidae		
House Wren	<i>Troglodytes aedon</i>	LM/HF WEN My17
Mimidae		
Gray Catbird	<i>Dumetella carolinensis</i>	BCF PD JI05/00
Northern Mockingbird	<i>Mimus polyglottos</i>	RSF/RB KD Au27/05
Brown Thrasher	<i>Toxostoma rufum</i>	BCF MFN Ap28/01
Muscicapidae		
American Robin	<i>Turdus migratorius</i>	LM PD My06/00
Wood Thrush	<i>Hylocichla mustelina</i>	BCF DW My11/02
Hermit Thrush	<i>Catharus guttatus</i>	BCF MC Ap17/02
Swainson's Thrush	<i>Catharus ustulatus</i>	RL DW Sp15/01
Veery	<i>Catharus fuscescens</i>	BCF WW My11/02
Eastern Bluebird	<i>Sialia sialis</i>	UM NH Au06/00
Blue-grey Gnatcatcher	<i>Poliophtila caerulea</i>	ET WEN My17/01
Golden-crowned Kinglet	<i>Regulus satrapa</i>	
Ruby-crowned Kinglet	<i>Regulus calendula</i>	
Bombycillidae		
Cedar Waxwing	<i>Bombycilla cedrorum</i>	RL KD Au09/00
Sturnidae		
European Starling	<i>Sturnus vulgaris</i>	FCF/LM KD Dc27/00
Vireonidae		
Northern Shrike	<i>Lanius excubitor</i>	HP nh/PD Nv17/06
Warbling Vireo	<i>Vireo gilvus</i>	BCF MC Je01/05
Red-eyed Vireo	<i>Vireo olivaceus</i>	BCF PD Je16/01
Blue-headed Vireo	<i>Vireo solitarius</i>	ET/BC DW My08/04
Parulidae		
Black and White Warbler	<i>Mniotilta varia</i>	where MC Au14/01
Orange-crowned Warbler	<i>Vermivora celata</i>	BCF PM Sp23/07
Blue-winged Warbler	<i>Vermivora pinus</i>	BCF/W MC My06/01
Tennessee Warbler	<i>Vermivora peregrina</i>	RSF MC My14/01
Nashville Warbler	<i>Vermivora ruficapilla</i>	BCF MC My06/01

Black-throated Blue Warbler	<i>Dendroica caerulescens</i>	BCF PM Sp23/07
Yellow Warbler	<i>Dendroica petechia</i>	BCF/ET PD Je18/00
Magnolia Warbler	<i>Dendroica magnolia</i>	where MC Au14/01
Yellow-rumped Warbler	<i>Dendroica coronata</i>	
Black-throated Green Warbler	<i>Dendroica virens</i>	where MC Au14/01
Yellow-throated Warbler	<i>Dendroica dominica</i>	
Palm Warbler	<i>Dendroica palmarum</i>	ET/BC DW My08/04
Chestnut-sided Warbler	<i>Dendroica pennsylvanicus</i>	BCF/ET DW My11/02
Blackpoll Warbler	<i>Dendroica striata</i>	BCF PM Sp23/07
Ovenbird	<i>Seiurus aurocapillus</i>	BCF/ER MC Je01/03
Common Yellowthroat	<i>Geothlypis trichas</i>	ET? WEN My17/01
Wilson's Warbler	<i>Wilsonia canadensis</i>	BC/E WW My11/02
American Redstart	<i>Setophaga ruticilla</i>	TH JP Sp20/01
Ploceidae		
House Sparrow	<i>Passer domesticus</i>	UM PD My25/03
Icteridae		
Bobolink	<i>Dolichonyx oryzivorus</i>	UM PD J105/00
Eastern Meadowlark	<i>Sturnella magna</i>	LM PD J105/00
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	RL PD Mr21/01
Common Grackle	<i>Quiscalus quiscula</i>	where WEN My17/01
Brown-headed Cowbird	<i>Molothrus ater</i>	FCF/LM KD Ap24/01
Orchard Oriole	<i>Icterus spurius</i>	FCN GP My17/01
Northern Oriole	<i>Icterus galbula</i>	LM PD My06/00
Thraupidae		
Scarlet Tanager	<i>Piranga olivacea</i>	BCF AW J105/00
Fringillidae		
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	ER WW Je16/07
Dark-eyed Junco	<i>Junco hyemalis</i>	FCF/LM PD Dc20/00
Northern Cardinal	<i>Cardinalis cardinalis</i>	FCF/LM KD Dc27/00
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	BCT PD My06/00
Indigo Bunting	<i>Passerina cyanea</i>	BCF/W MC My06/01
American Goldfinch	<i>Cardualis tristis</i>	RSF/E DW Sp09/00
House Finch	<i>Carpodacus mexicanus</i>	FC/EW DW Oc31/05
Purple Finch	<i>Carpodacus purpureus</i>	Tr PD Mr16/05
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	RL PD Ap09/00
Savannah Sparrow	<i>Passerculus sandwichensis</i>	UM HS Ap13/01
Fox Sparrow	<i>Passerella iliaca</i>	LM/HBF PD Nv03/02
Vesper Sparrow	<i>Pooecetes gramineus</i>	FR MC Ap17/02
American Tree Sparrow	<i>Spizella arborea</i>	LM/HF PD Dc27/00
Clay-colored Sparrow	<i>Spizella pallida</i>	UM MC Je01/05
Chipping Sparrow	<i>Spizella passerina passerina</i>	UM HS Ap13/01
Field Sparrow	<i>Spizella pusilla</i>	UM MC Au06/01
White-crowned Sparrow	<i>Zonotrichia albicollis</i>	BCF MC Au14/01

White-throated Sparrow	<i>Zonotrichia leucophrys</i>	BCF PD Oc08/00
Swamp Sparrow	<i>Melospiza georgiana</i>	BCF MC My06/01
Song Sparrow	<i>Melospiza melodia</i>	UM PD My06/00
MAMMALIA (31)		
Didelphimorpha		
Didelphidae		
Virginia Possum	<i>Didelphus virginiana</i>	FCF/LM PD Au28/01
Insectivora		
Soricidae		
Northern Short-tailed Shrew	<i>Blarina brevicauda</i>	LM KD J118/03
Masked Shrew	<i>Sorex cinereus</i>	ER/LM wc/KD Sp03/07
Chiroptera		
Vespertilionidae		
Little Brown Myotis	<i>Myotis lucifugus</i>	Tr KD Au15/05
Lagomorpha		
Leporidae		
Snowshoe Hare	<i>Lepus americanus</i>	Rd JS Je16/07
Eastern Cottontail	<i>Silvilagus floridanus</i>	RL KD Au05/00
European Hare	<i>Lepus europaeus</i>	ER KD Ap209/03
Rodentia		
Sciuridae		
Eastern Chipmunk	<i>Tamias striatus</i>	FCF/blf KD Mr19/01
Groundhog	<i>Marmota monax</i>	RB/R/RSF KD My17/03
Eastern Gray Squirrel	<i>Sciurus carolinensis</i>	BCF KD Oc16/00
Red Squirrel	<i>Tamiasciurus hudsonicus</i>	ER/BCF KD Mr29/03
Southern Flying Squirrel	<i>Glaucomys volans</i>	Tr KD Au30/02
Muridae		
White-footed Mouse	<i>Peromyscus leucopus</i>	HF/E KD Fb20/01
Deer Mouse	<i>Peromyscus maniculatus</i>	Tr pd/KD Au22/10
Meadow Vole	<i>Microtus pennsylvanicus</i>	LM KD Ja30/01
Common Muskrat	<i>Ondatra zibethicus</i>	TR PD Je18/00
House Mouse	<i>Mus musculus</i>	Tr KD Sp22/06
Dipodidae		
Meadow Jumping Mouse	<i>Zapa hudsonius</i>	LM KD My11/05
Carnivora		
Canidae		
Domestic Dog	<i>Canis familiaris</i>	HP
Coyote	<i>Canis latrans</i>	BCF KD Fb02/02
Grey Wolf	<i>Canis lupus</i>	LM KD Ja30/01
Red Fox	<i>Vulpes vulpes</i>	BCF KD Fb17/02
Procyonidae		

Raccoon	<i>Procyon lotor</i>	BCF AC' Sp24/00
Mustelidae		
Striped Skunk	<i>Mephitis mephitis</i>	BCF KD Fb02/02
Mink	<i>Mustela vison</i>	RSF/R GJ Dc17/00
Northern River Otter	<i>Lutra canadensis</i>	
Felidae		
Domestic Cat	<i>Felis catus</i>	ET DJ Dc17/00
Bobcat	<i>Felis rufus</i>	RL KD Au03/04
Cougar	<i>Felis concolor</i>	EW/fld KN 1987
Arteriodactyla		
Cervidae		
White-tailed Deer		BCF DJ Au21/00
Fallow Deer*	<i>Dama dama</i>	FCF/E/KD My03/06
*unconfirmed escapee from local collector		

FUNGI (incl. Lichens) (206)

Common name	Scientific name	Locale/by/date
ZYGOMYCOTA		
“Paper Crust”	<i>Porotheleum fimbriatum</i>	RSF kd/GT Sp03/07
Mushroom Mold	<i>Penicillium</i> sp.	GF/W kd/GT Sp12/07
ASCOMYCOTA		
DISCOMYCETES		
Pezizales		
Hypocreaceae		
“Corn Cobbles”	<i>Trichoderma</i> sp.	HBF GT My29/05
Morchellaceae		
Yellow Morel	<i>Morchella esculenta</i>	RSF/Tr My20/02 KD
Mycosphaerellaceae		
Ash Leaf-spot	<i>Mycosphaerella effigurata</i>	FCF KD AuSp04/05
Sarcosomataceae		
Devil’s Urn	<i>Urnula craterium</i>	BCF/ET KD Mr09/02
Sarcoscyphaceae		
Scarlet Cup	<i>Sarcoscypha coccinea</i>	FCF pd/KD Ap24/04
Stalked Scarlet Cup	<i>Sarcoscypha occidentalis</i>	FCF/Blf KD Je09/02

Pezizaceae

Common Brown Cup	<i>Peziza badio-confusa</i>	NCF/blf KD Oc04/01
Bladder Cup	<i>Peziza vesiculosa</i>	RSF J101/00

Pyronemataceae

'Earth Cap'	<i>Scutellinia umbrorum</i>	RSF KD J119/00
Eyelash Cup	<i>Scutellinia scutellata</i>	TRT/RL KD Nv11/04

Tuberales

Elaphomycetaceae

Adder's Tongue	<i>Cordyceps ophioglossoides</i>	FCT/LM KD J117/02
False Truffle	<i>Elaphomyces granulatus</i>	FCT/LM KD J117/02

Phacidiales

Phacidiaceae

Tar Spot of Maple	<i>Rhytisma acerinum</i>	LM KD Au13/04
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Helotiales

Leotiaceae (need other families?)

Lemon Drops	<i>Bisporina citrina</i>	RSF pdKD J101/00
Adder's Tongue	<i>Cordyceps ophioglossoides</i>	FCT/LM KD J117/02
Purple Jelly-drops	<i>Ascocoryne sacroides</i>	GF pd/KD Oc17/06

Rhytismatales

Rhytismataceae

Shothole Fungus (of Oak)	<i>Coccomyces [hiemalis]</i>	GF KD Au15/05
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PYRENOMYCETES

Sphaeriales

Xylariaceae

Carbon Balls	<i>Daldinia concentrica</i>	RSF Au02/00
'Tar Streak Fungus'	<i>Hypoxyton</i> sp.	RSF kd/GT Nv26/04
Candlesnuff	<i>Xylaria hypoxyton</i>	GF pfKD My30/04
Stalked Xylaria	<i>Xylaria longipes</i>	Tr sl/KD Au30/03
Dead Man's Fingers	<i>Xylaria polymorpha</i>	RSF KD Au02/00

Lulworthiales

Family

Amphibious fungus	<i>Cladosporium</i> sp.	HB/E kd/GT Dc31/03
Amphibious fungus	<i>Lemmoniera</i> sp.	FCR AK Nv02/00

SORDARIOMYCETES

Hypocreales

Hypocreaceae

Lemon Crust	<i>Hypocrea citrina</i>	BCF kd/GT Oc20/09
Nectriaceae		
Nectria Canker	<i>Nectria [galligena]</i>	RSF DC Ap13/09
Xylariales		
Diatrypaceae		
Eutypella Canker	<i>Eutypella parasitica</i>	RSF DC Ap13/09
‘Pink Paint Fungus’	<i>Hypoxyton rubiginosum</i>	FCT pd/GT Je28/09

BASIDIOMYCOTA

HETEROBASIDIOMYCETAE

Uredinales

Pucciniaaceae

Red-edar Rust Gall (add jellies, rusts & smuts here)	<i>Gymnosporangium juniperi-virginianae</i>	GF pd/KD Ap;27/05
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HOMOBASIDIOMYCETAE

Tremallales

Exidiaceae

Black Jelly Roll	<i>Exidia glandulosa</i>	HB KD Oc17/06
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Auriculariaceae

Tree Ear	<i>Auricularia auricula</i>	NCF KD Nv30/00
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Dacrymycetaceae

‘Jelly Horns’	<i>Calocera [cornea]</i>	FCT PD Je29/09
Orange Jelly	<i>Dacymyces palmata</i>	RSF pd/KD J101/00

Tremellaceae

‘Sedge Jelly’	<i>Tremella concrescens</i>	NCF KD J105.00
Leafy Jelly Fungus	<i>Tremella foliacea</i>	FCT/DF KD Oc20/04
Witches Butter	<i>Tremella mesenterica</i>	NCF KD Nv30/00
White Coral Jelly	<i>Tremella reticulata</i>	HB/RSF KD J110/03

Aphylophorales

Cantherellaceae

Chanterelle	<i>Cantherellus cibarius</i>	RSF/HB KD J123/03
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Clavariaceae

‘Crown Coral’	<i>Clavicornia pyxidata</i>	HW KD Au27/01
Cotton-base Coral	<i>Lentaria byssiseda</i>	HB KD My29/02
‘Uniform Ramaria’	<i>Ramaria [concolor]</i>	RB pd/KD Sp22/06
‘Buff Ramaria’	<i>Ramaria primulina</i>	RB/tr KD Au20/03
‘Straight Ramaria’	<i>Ramaria stricta</i>	HB KD Je21/03

Corticaceae

Two-tone Parchment	<i>[Laxitectum bicolor]</i>	RSF nm/KD Mr09/02
Red Tree Brain	<i>Peniophora rufa</i>	FCT/200 Au27/01

Radiating Phlebia	<i>Phlebia radiata</i>	BCF/E bd/KD Oc18/01
‘Wooly Phlebia’	<i>Phlebia tremellosa</i>	RSF KD Oc23/01
Hydnaceae		
Bear’s Head Tooth	<i>Hericium coralloides</i>	HW KD Sp18/01
Bearded Tooth	<i>Hericium [erinaceus]</i>	BCT80 KD Sp01/01
Scaly Hydnum	<i>Sarcodon imbricatus</i>	n/r KD Au13/04
Hymenochaetaceae		
‘Brown Crust’	<i>Hymenochaete</i> sp.	EW/FC Au27/01
Reddish-brown Crust	<i>Hymenochaete badio-ferruginea</i>	NCF Nv30/00
Wooly Velvet Polypore	<i>Inonotus tomentosus</i>	RSF/HB KD Au27/05
‘Pink Thorn-bracket’	<i>Phellinus conchatus</i>	BCF kd/GT
Phellinus bracket	<i>Phellinus</i> sp.	BCF kd/GT Mr25/10
Polyporaceae		
‘Scurfy Polypore’	<i>Albatrellis [elissii]</i>	BCF KD My30/04
‘Porcelain Bracket’	<i>Bjerkandera adusta</i>	FCF/FC KD Oc12/06
Mossy Maze Polypore	<i>Cerrena unicolor</i>	NCF KD Oc29/01
Thin-maze Oak Polypore	[<i>Daedalea quercina</i>]	RL/E KD Fb20/01
Blushing Bracket	<i>Daedaleopsis confragosa</i>	HW KD Au27/01
Hex-pored Polypore	<i>Favolus alveolaris</i>	NCF KD Sp01/01
Ox Tongue	<i>Fistulina hepatica</i>	HB KD Oc17/06
Tinder Polypore	<i>Fomes fomentarius</i>	HB KD Oc28/04
Red-belted Polypore	<i>Fomes pinicola</i>	RSF KD Oc23/01
Artist’s Conk	<i>Ganoderma applanatum</i>	RSF JI07/00
‘Snow Bracket’	<i>Gloeoporus dichrous</i>	RSF KD Oc04/01
Tender Nesting Polypore	<i>Hapalopilus nidulans</i>	BCF KD JI23/03
Milky Tooth Polypore	<i>Irpex lacteus</i>	BC KD Oc08/00
Resinous Polypore	<i>Ischnoderma resinosum</i>	FCF/LM KD Au27/01
Multicolour Gill Polypore	<i>Lenzites betulina</i>	BC/ET KD Nv16/04
‘Sweet Bracket’	<i>Oligoporus caesius</i>	BCF450 KD Oc18/03
‘Browning White Polypore’	<i>Oligoporus tephroleucus</i>	RSF kd/GT Oc07/09
Mossy Maple Polypore	<i>Oxyporus populinus</i>	BCF340/s KD Sp25/03
‘Smooth White Crust’	<i>Perreniporia</i> sp.	GFT KD Oc20/04
‘Velvet Crust’	<i>Phellinus ferruginosus</i>	RSF KD JI07/00
Mustard-yellow P.pore	<i>Phellinus gilvus</i>	BCF nm/KD Oc23/01
Bay-brown Polypore	<i>Polyporus badius</i>	FCT/Br AL/KD Au07/05
Rooted Polypore	<i>Polyporus radicans</i>	TH Sp01/01
Dryad’s Saddle	<i>Polyporus squamosus</i>	
Black-footed Polypore	<i>Polyporus varius</i>	RSF KD Je22/00
Spring Polypore	<i>Polyporus [arcularius]</i>	BCF KD My30/04
Cinnabar Polypore	<i>Pycnoporus cinnabarinus</i>	RSF/HB KD Oc17/06
Little Nest Polypore	<i>Poronidulus conchifer</i>	BCF KD Ap26/04 [name?]
‘White Doily Bracket’	<i>Trametes conchifer</i>	kd/GT RSF/Bnch Au29/06
‘Hairy Trametes’	<i>Trametes hirsuta</i>	TRT/RL KD Oc31/04

'Suave Trametes'	<i>Trametes suaveolus</i>	HB/E kd/GT Dc31/03
Turkey Tail	<i>Trametes versicolor</i>	BCF Nv30/00
Violet-toothed Polypore	<i>Trichaptum bififormis</i>	TRT/HB KD Au30/03
White Cheese Polypore	<i>Tyromyces chioneus</i>	RSF Je22/00
Black-footed Polypore		BCF KD Je25/01
Gloeophyllaceae		
Yellow-red Gill Polypore	<i>Gloeophyllum sepiarium</i>	RSF/TR KD Oc12/06
Schizophyllaceae		
Common Split-gill	<i>Schizophyllum commune</i>	RSF KD Mr09/02
Stereaceae		
'Snow Bracket'	<i>Gloeoporus dichrous</i>	RSF KD Oc04/01
Hairy Parchment	<i>Stereum hirsutum</i>	FC/HBF KD Nv16/04
Crowded Parchment	<i>Stereum complicatum</i>	HW Au27/01
False Turkey-tail	<i>Stereum ostrea</i>	HW KD Fb25/01
Silky Parchment	<i>Stereum striatum</i>	RSF KD Je22/00
Agaricales		
Agaricaceae		
Abruptly-bulbous Agaricus	<i>Agaricus abruptibulbus</i>	RSF KD Sp27/09
Horse Mushroom	<i>Agaricus arvensis</i>	Tr KD Sp10/06
Flat-topped Agaricus	<i>Agaricus platymyces</i>	FG/FC KD Au03/07
Wood Agaricus	<i>Agaricus silvicola</i>	KD FCT/GF Oc01/06
Sharp-scaled Lepiota	<i>Lepiota acutaesquamosa</i>	FCF pd/KD Nv01/05
Shaggy Parasol	<i>Lepiota rhacodes</i>	BCF/ET KD Nv03/02
'Red-eyed Lepiota'	<i>Lepiota rubrocincta</i>	GF KD Oc21/09
Smooth Parasol	<i>Leucoagaricus naucine</i>	UM/FC nm/KD Sp25/3
Giant Lepiota	<i>Megalepiota rhacodes</i>	EW/HBF/N KD Je08/03
Amanitaceae		
'False Grisette'	<i>Amanita ceciliae</i>	HB KD J128/04
Yellow Blusher	<i>Amanita flavorubescens</i>	GF/FC jn/KD J118/03
Fly Agaric	<i>Amanita muscaria</i>	pd/KD GF J129/06
The Panther	<i>Amanita pantherina*</i>	GF KD Oc12/06
Boletaceae		
Ash-tree Bolete	<i>Boletinellus meruloides</i>	HB nm/KD J126/04
Russell's Bolete	<i>Boletus russelli</i>	GF KD Oc05/06
Coprinaceae		
Tippler's Bane	<i>Coprinus atramentarius</i>	FCT/120 Au27/01
Shaggy Mane	<i>Coprinus. comatus</i>	BCF ac/KD Sp24/01
Crumble Cap	<i>Coprinus disseminatus</i>	BCF KD Oc31/04
Common Psathyrella	<i>Psathyrella candolleana</i>	RSF pd/KD Au02/00
'Watery Psathyrella'	<i>Psathyrella [hydrophila]</i>	KD FCT/GF Sp26/06
Weeping Widow	<i>Psathyrella velutina</i>	RSF Au22/00
Cortinariaceae		
Cinnamon Cort	<i>Cortinarius cinnamoneus</i>	BCF KD Oc31/04

‘Teddy Bear’	<i>Cortinarius pholideus</i>	HBItr nm/KD Oc07/03
Deadly Galerina	<i>Galerina autumnalis</i>	RSF KD Nv01/05
Fibre-head	<i>Inocybe fastigiata</i>	TRT/blfs pd/KD Oc31/04
Crepidotaceae		
Flat Crep	<i>Crepidotus applanatus</i>	TH Au27/01
‘Brown Jelly Crep’	<i>Crepidotus mollis</i>	kd/GT HB Au28/06
Variable Crep	<i>Crepidotus [variabilis]</i>	RSF J107/00
‘Soil Crep’	<i>Crepidotus</i> sp.	FC/GF KD Au20/03
Hygrophoraceae		
Witch’s Hat	<i>Hygrophorus conicus</i>	LM pd/KD Sp02/06
‘Slime Cap’	<i>Hygrophorus chlorophanus</i>	NK pd/KD Je30/08
‘White Slimehead’	<i>Hygrophorus eburneus</i>	RB KD Sp22/06
Parrot Mushroom	<i>Hygrophorus psittacina</i>	GF pd/Kd Oc17/06
Entolomataceae		
Sweetbread Mushroom	<i>Clitopilus prunulus</i>	HB KD Au09/04
Pluteaceae		
Fawn Mushroom	<i>Pluteus cervinus</i>	GF/FC kd/GT Oc
Velvet Shield	<i>Pluteus umbrosus</i>	Tr wc/KD J125
Pleurotaceae		
Hohenbuehella	<i>Hohenbuehella atrocaerulea</i>	HB kd/GT J128/04
‘Grey Hohenbuehelia’	<i>Hohenbuehelia atrocaerulea /grisea</i>	FCT/GF kd/GT
Leaflike Oyster	<i>Hohenbuehelia petaloides</i>	RSF KD Sp10/06
Russulaceae		
‘Tasty Milky’	<i>Lactarius deliciosus</i>	KD RBIfs J124/06
‘Ring-cap Milky’	<i>Lactarius fumosus</i>	GF KD Oc05/06
‘Cardboard Mushroom’	<i>Lactarius [imperceptus]</i>	HB KD Au09/04
Peppery Milky	<i>Lactarius piperatus</i>	RSF/HB KD Au20/03
Zoned-cap Milky	<i>Lactarius zonarius</i>	RB/tr KD J123/03
Fragile Russula	<i>Russula [fragilis]</i>	HB/tr KD Oc09/03
Blackish-red Russula	<i>Russula Kromholtzii</i>	HB/RSF KD J106/03
‘Forest Russula’	<i>Russula silvacola</i>	HB KD J123/03
Variable Russula	<i>Russula variata</i>	GF KD Oc05/06
Strophariaceae		
Golden Pholiota	<i>Pholiota aurivella</i>	NCF KD Oc29/01
‘Freckled Pholiota’	<i>Pholiota malicola</i>	BC KD Oc08/00
Tricholomataceae		
Honey Mushroom	<i>Armillariella mellea</i>	RST nm/KD Oc29/02
Blewitt	<i>Clitocybe nuda</i>	HB/tr KD Oc09/03
‘Owlet’	<i>Clitocybula ocula</i>	HW/FCT Je17/01
Velvet Foot	<i>Collybia velutipes</i>	NCF Nv30/00
Wire Mushroom	<i>Crinipellis setipes</i>	FCT/300 Au27/1
‘Brown Hairy-legs’	[<i>Gymnopus subnudus</i>]	GF K1D Sp02/06
Elm Oyster	<i>Hypsizygus tessulatus</i>	HB/RSF KD Oc10/05

Bear Lentinus	<i>Lentinellus ursinus</i>	HB KD Oc12/06
Train Wrecker	<i>Lentinus lepideus</i>	BCF Oc23/01
Fused Marasmius	<i>Marasmius cohaerens</i>	BCF/E KD Sp13/09
‘Tiny Dunce’	<i>Marasmius [olidus]</i>	FCT/300 Au27/1
Fairy Ring Mushroom	<i>Marasmius oreades</i>	LM/FCF Au28/01
Pinwheel Marasmius	<i>Marasmius rotula</i>	BCT jd/KD J131/10
Bleeding Mycena	<i>Mycena haematopus</i>	FCT/200 Au27/1
‘White Mycena’	<i>[Mycena inclinata]</i>	RST KD Au20/03
Orange Mycena	<i>Mycena leaiana</i>	RSF J119/00
‘Leadcap Mycena’	<i>Mycena polygramma</i>	BCF KD Je17/01
‘Rose Mycena’	<i>Mycena rosella</i>	GF pd/KD Sp02/06
‘White Mycena’	<i>Mycena [stylobates]</i>	BC KD Oc08/00
‘Wrinkled Mycena’	<i>Mycena sp.**</i>	RSF/HB KD Oc12/06
Rooted Oudemansiella	<i>Oudemansiella radicata</i>	BCF KD Oc27/01
Late Fall Oyster	<i>Panellus serotinus</i>	NCF KD Oc29/01
Luminescent Panellus	<i>Panellus stipticus</i>	GF KD Sp02/06
‘Orange-gilled Shelf’	<i>Phyllotopsis nidulans*</i>	RSF KD Oc07/09
Oyster Mushroom	<i>Pleurotus ostreatus</i>	EW nm/KD Au16/01
Netted Rhodotus	<i>Rhodotus palmatus</i>	RSF KD J122/00
Platterful Mushroom	<i>Tricholomopsis platyphylla</i>	RSF/upl. KD Je25/02
‘Ghost Parasol’	<i>Xerula megalospora</i>	RSF KD Au21/00

Lycoperdales

Lycoperdaceae

Purple-spored Puffball	<i>Calvatia cyathiformis</i>	Tr KD Sp25/03
Giant Puffball	<i>Calvatia gigantea</i>	FC nm/KD Oc22/02
Curtis’s Puffball	<i>Lycoperdon curtisii</i>	HBF pd/KD Au13/04
Pear-shaped Puffball	<i>Lycoperdon pyriforme</i>	NCF KD Nv30/00

Nidulariales

Nidulariaceae

White-egg Birds Nest	<i>Crucibulum laeve</i>	FCF/FCbg KD Oc12/03
Striate Birds Nest Fungus	<i>Cyathus striatus</i>	RSF pd/KD Au09/04

unplaced

Crimped Gill	<i>Plicaturopsis crispa</i>	GF KD Dc06/06
‘Cottonfoot’	<i>Tubaria furfuracea</i>	ET GT My29/05
‘Dixie Cup’	<i>Cotylidia diaphana*</i>	FCT pd/GT Je28/09
Gold Thread Rot	<i>Phanerochaete chrysorhiza*</i>	BCF kd/GT Sp05/09

Notes and Supplemental Fungal Species

1. The Netted Rhodotus (name from Lincoff) is described by Barron as “widespread but rare.”

2. The “White Mycena” could not be identified with certainty because the bases of the specimens were accidentally destroyed during collection. The presence of disks at the feet would have clinched it.

3. “Black Wire Crinipellis” [Crinipellis sp.] RSF J119/00
Cap: 1 cm dia, light brown, radially wrinkled. Gills: close, yellowish with reddish edges, adnate to free. Stalk: thin (<1 mm), black, hairy, wiry-tough, 4 cm long. Habitat: on dead stick (not listed)

4. “Wax Drops” [Marasmius sp.] RSF Au02/00
Cap: 1-1.5 cm, flat, recurved, faintly radially lined, hint of brown in depressed centre, otherwise, a waxy, translucent white colour, fragile, somewhat rubbery. No particular scent or taste. Gills: close, narrow, waxy white, attached, spore print white. Stalk: 2-3 cm X 2-3 mm, waxy white, sparsely scurfy/scaly. Habitat: fruiting on side of well-rotted log, about a dozen mushrooms

5. “Accordion Fungus” FCT/200m Au27/01
Possibly a fragment: fertile surface folded into tiers or wrinkles, reminiscent of a fleshy, grey accordion. Attached directly to dead wood. Flesh hard. Pores black on grey surface, tiny, well-spaced. About 2 cm x 3 cm. No cap, stalk, or other regular part

6. “Red-dot Slime” FCT/300m Au27/01
An undoubted slime mold with red sporangia (0.5 mm) on short, pale yellow stalks.

7. “Stilt Brownie” FCT/150m Au27/01
A mushroom I should be able to identify, but cannot. Cap: light brown, darker toward the centre, radially lined, about 2 cm in dia. Gills: light buff, distant, attached, stem: 2mm x 20 mm widening near apex, dk brown, lighter toward apex.

8. “Brown Crust” EW Au27/01
The presence of numerous bristles on the upper surface of this crust makes it a Hymenochaete, but the bristles are confined to irregular channels that divide the fertile surface into regions. Pores irregular, mostly polygonal, a few toothlike.

MYCOPHYCOPHYTA (LICHENS 14)

Lemon Lichen	<i>Candelaria concolor</i>	FC/LR KD Nv07/04
Powdery Goldspeck	<i>Candelariella efflorescens</i>	NF BP J101/09
Mealy Pixy-cup	<i>Cladonia chlorophaea</i>	GF KD Oc05/06
Common Powderhorn	<i>Cladonia coniocraea</i>	HB KD Sp16/04
Trumpet Lichen	<i>Cladonia fimbriata</i>	TR/blfs KD Oc28/04
Fence-rail Cladonia	<i>Cladonia parasitica</i>	RL KD Oc31/04
Common Greenshield Lichen	<i>Flavoparmelia caperata</i>	BCF/RL BP Je12/09
Monk’s Hood Lichen	<i>Hypogymnia physodes</i>	BCF/RL BP Je12/09

Fluffy Dust Lichen	<i>Lepraria lonificans</i>	BCF KD Oc16
Mealy Camouflage Lichen	<i>Melanelia [disjuncta]</i>	BCF KD Oc16/04
Orange Shadow Lichen	<i>Phaeophysica rubropulchra</i>	BCF pd/KD Oc20/04
Hoary Rosette Lichen	<i>Physica aipolia</i>	BCF KD Oc20/04
Mealy Rosette Lichen	<i>Physica millegrana</i>	GF KD Je01/.04
Star Rosette Lichen	<i>Physica stellaris</i>	NF BP Nv/09

References used in identification of species and taxonomic arrangement

Arnett, Ross H., Jr. 2000. . (2nd ed.) CRC Press, Boca Raton, FL.

Barron, George. 1999. *Mushrooms of Ontario and Eastern Canada*. Lone Pine Publishing. Edmonton, AB.

Bezener, Andy. 2000. *Birds of Ontario*. Lone Pine Publishing. Edmonton, AB.

Bick, Hartmut. 1972. *Ciliated Protozoa*. World Health Organization, Geneva.

Borer, Donald J. and White, Richard E. 1970. *A Field Guide to Insects - America North of Mexico*. Houghton Mifflin Co. Boston, MA.

Burch JB. 1962. *How to Know the Eastern Land Snails*. Pictured Key Nature Series, Dubuque, IA. Wm. C. Brown Co.

Carmichael, Ian and Vance, Ann. 2003. *Photo Field Guide to the Butterflies of Southern Ontario* St Thomas Field Naturalist Club, St Thomas, ON.

Clarke, Arthur H. 1981. *The Freshwater Molluscs of Canada*. National Museum of Natural Science, Ottawa.

Roger Conant and Joseph T. Collins. 1991. *A Field Guide to the Reptiles and Amphibians* (3rd ed.) The Peterson Field Guide Series, Houghton Mifflin Co. Boston, MA.

Covell, Charles V. Jr. 1984. *A Field Guide to the Moths of Eastern North America*. Houghton Mifflin Co., Boston, MA.

Donner, Josef. 1966. *Rotifers*. (transl. H. G. S. Wright) Frederick Warne & Co. London.

Gary A. Dunn. 1996. *Insects of the Great Lakes Region*. The University of Michigan Press, Ann Arbor, MI.

- C. Goodrich, 1932. *The Mollusca of Michigan*. Michigan Handbook Series No. 5, Ann Arbor, MI. University of Michigan Press [UWO Taylor Library]
- Horst, R. Kenneth. 1990. *Westcott's Plant Disease Handbook*. (5th Ed.) Van Nostrand Reinhold, New York, NY.
- Jahn, Theodore L., Bovee, Eugene C., Jahn, Frances F. 1979. *How to Know the Protozoa*. The Pictured Key Nature Series. Wm. C. Brown Company, Dubuque, IA.
- Leedale, Gordon F. 1967. *Euglenoid Flagellates*. Prentice-Hall, Englewood Cliffs, NJ.
- Lincoff, Gary H. 1991. *The Audubon Society Field Guide to North American Mushrooms*. Alfred A. Knopf, New York, NY.
- Laverty, Terence M. and Harder, Lawrence D. 1988. The Bumble Bees of Eastern Canada, *The Canadian Entomologist*. 120: 965 - 987.
- Lynn, Dennis H., Small, Eugene B. 1990. Phylum Ciliophora in *Handbook of Protozoa* (Margulis et al., eds.) Jones & Bartlett, Boston, 498-523.
- Marshall, Stephen A. 2006. *Insects: Their Natural History and Diversity*. Firefly Books. Richmond Hill, ON.
- Milne, Louis and Margery. 1980. *The Audubon Society Field Guide to North American Insects and Spiders*. Alfred A. Knopf. New York, NY.
- Newmaster, S. G. et al. 1998. *Ontario Plant List*. Ontario (Forest research Paper No. 123) Forest Research Inst. Sault Ste. Marie, ON.
- Newcomb, Lawrence. 1977. *Newcomb's Wildflower Guide*. Little, Brown and Company, Boston.
- Page, F. C. 1988. *A New Key to Freshwater and Soil Gymnamoebae*. Freshwater Biological Association, Ambleside, Cumbria.
- Phillips, Roger. 1991. *Mushrooms of North America*. Little, Brown and Company, Boston, MA.
- Prescott, G. W. 1970. *How to Know the Freshwater Algae*. The Pictured Key Nature Series. Wm. C. Brown Company, Dubuque, IA.
- Pescott, G. W. 1962. *Algae of the Western Great Lakes Area*. Wm. G. Brown Co. Dubuque, IA.
- Reynolds, John W. 1977. *The Earthworms (Lumbricidae and Sparganophilidae) of Ontario*. Life

Sciences Misc. Pubs. Royal Ontario Museum, Toronto, ON.

Stephenson, Steven L. and Stempen, Henry. 1994. *Myxomycetes: A Handbook of Slime Molds*. Timber Press, Portland, OR.

Thorp, James H., Covich, Alan P. 1991. *Ecology and Classification of North American Freshwater Invertebrates*. Academic Press, Inc. New York.

Weber, Cornelius I. 1971. *A Guide to the Common Diatoms at Water Pollution Surveillance System Stations*. U. S. Environmental Protection Agency, National Environmental Research Center. Cincinnati, OH.

White, Richard E. 1983. *A Field Guide to the Beetles of North America*. Houghton Mifflin Co. Boston, MA.

Wolle, Francis. 1894. *Diatomaceae of North America*. The Comenius Press, Bethlehem, PA.

Key to Reproductively Mature Earthworms Found in Canada, Wormwatch, 1998 (ref. incomplete -- this is a one-page ID chart)

Locale codes

Locale codes are often combined to give a more precise location. For example, "LM/BCF" means "in the Lower Meadow next to the Blind Creek Forest." Also directions, as in "HB/E." which means "the east end of the Hogsback."

BC	Blind Creek - in or nearby
BCF	Blind Creek Forest
BCS	Blind Creek Swamp
Br	bridge
BW	Bluebell Woods (part of RSF)
CB	Creek Bluffs
CP	Copse (GF/S)
ER	East Ravine
ET	Edgar's Trail
FC	Fleming Creek - in or nearby
FCF	Fleming's Creek Forest
FCT	Fleming Creek Trail
FR	Furnival Road
GF	Gallery Forest (along upper FC bluffs)

HB	Hogsback
HBF	Harvey's Bean field
HO	The Hole
HP	Hurdle Property
LM	Lower Meadow
LR	Lower rapids on FC
LOC (or loc)	Unspecified location
LR	Lower rapids of Fleming Creek
MB	Mussel Beach
NF	Newport Forest (as a whole)
Nk	The Nook
RB	Thames River Bluffs
RBT	River Bluffs Trail
RL	River Landing
RSF	Riverside Forest
SB	Sand bar
ST	Suckertown
SW	"swamp" as a descriptor
TH	Tower Hill
TR	Thames River
Tr	trailer or trailer feeders
UM	Upper Meadow
UR	Upper rapids of Fleming Creek
VPA-I	Vernal Ponds A to I in the Blind Creek Forest
WR	West Ravine

Personnel Codes

AC	Anita Caveney	
AC'	Ann Cherry	
AY	Andrew Young	entomologist
BB	Big Bend (not on site, but great mussel grounds)	
BD	Barbara Drechsler	
BK	Brenda Kulon	butterfly expert
BP	Bruce Parker	naturalist
CC	Colin Campbell	
DB	Daniel Bickel	entomologist
DC	Donald Craig	conservation officer
DJ	Darren Jacobs	native ecologist
DT	Dorothy Tiedje	bird expert
DW	DaveWake	bird expert
DS	Delbert Sitler	
EC	Erin Carroll	

FBO	Any member of the Field Botanists of Ontario	
GJ	Glen Jacobs	
GP	George Prieksaitis	naturalist
GT	Greg Thorn	mycologist
HC	Ho-Chu	
HS	Ha-Cheol Sung	bird expert
JB	Jane Bowles	botanist
JD	Jonathan Dewdney	
JN	Jordan Newport	
JP	James Phipps	botanist
JS	Jeff Skevington	entomologist
KD	Kee Dewdney	naturalist
KN	Kurt Newport	
MA	Muriel Andreae	naturalist & conservation officer
MC	Michele Carnerie	bird expert
MFN	Any member of the McIlwraith Field Naturalists	
MJ	Manny Jacobs	
MO	Michael Oldham	botanist (Natural Heritage Information Centre)
MP	Marjorie Prieksaitis	naturalist
NH	Nina Hurdle	
NM	Nicholas Mihlik	
NZ	Nina Zitani	entomologist (hymenoptera)
PD	Pat Dewdney	naturalist
PR	Pete Read	bird expert
RG	Rob Gigear	entomologist (bumblebees)
SC	Stan Caveney	entomologist - naturalist
SM	Steve Marshall	entomologist - insect surveys
WC	William Cable	
WEN	Any member of the West Elgin Nature Club	
WW	Winnifred Wake	Bird expert