

Groupings of Organisms & Key Experts
2010 Berkshire BioBlitz, Pittsfield State Forest, June 4 & 5, 2010
Compiled & Reported by Scott LaGreca



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ACKNOWLEDGMENTS

Before listing the nearly 1,000 species discovered at Pittsfield State Forest, acknowledgements must be given. The 2010 Berkshire BioBlitz—the very first, large all-species biological inventory in Berkshire County, Massachusetts—would not have been possible without the help of many organizations and individuals. First and foremost, **Lisa Provencher** of the **MCLA STEM** (Science, Technology, Engineering & Math) team deserves full credit as co-organizer of the BioBlitz. Not only did she advise and assist with every aspect of the scientific survey, she also single-handedly developed the education component of the Blitz for area schoolchildren. The **Berkshire Museum** confidently led our group of partner organizations and made the BioBlitz a success; Executive Director **Stuart Chase** and Director of Interpretation **Maria Mingalone** are especially thanked for always believing in the power of hands-on, experiential natural science education. **Jane Winn** of **BEAT** (Berkshire Environmental Action Team) was our “go-to girl”, ably assisting with all aspects of the Blitz—and sounding the horn which officially kicked off the Blitz at noon on Friday. We are also grateful to BioBlitz partner organization **Massachusetts DCR** (Department of Conservation and Recreation), on whose property the BioBlitz took place. **Mark Todd** (Supervisor of Pittsfield State Forest), **Scott Dean**, **Chris Hookie**, and **Bob Mellace** provided critical advice and logistical support. In addition, **Keith Babuszcak** generously cooked an early breakfast for over a dozen hungry staff and scientists on Saturday morning! **Peter Alden** (Walden Biodiversity Day/ The Walden Woods Project) is warmly thanked for giving me advice regarding running a BioBlitz, and for providing the template for this report. Lastly, I thank our public program presenters—**Aimee Gelinis and Daniel Cohen** (World Music Drum & Song Jam), **René Wendell** (Owl Prowl), **Mark Mello** (Moth Light), **Noreen Mole & Gael Hurley** (Bird Walk), **Holly Brouker** (Fitness Walk), and **Jane Winn** (Asian Long-horned Beetle talk)—for engaging our most important “stakeholders”: the public at large.

Of course, the many scientists (of all sorts) who participated in the BioBlitz deserve untold gratitude for the time they spent getting here (and back home), their time in the field and in the lab, and for their incredible expertise. Most of the scientists also led nature hikes and demonstrations for 3rd and 4th grade students from Pittsfield Public Schools on Friday afternoon, which was a key component of our educational outreach for this BioBlitz. Without our scientists, the 2010 Berkshire BioBlitz truly couldn't have happened. I trust the friendships renewed and made, and the characters and other organisms met along the way, were well worthwhile. The scientists are listed A-Z at the end of this Report and individually acknowledged below in the section after the table “Number of Species by Groupings of Organisms”.

One very important scientist, however, merits upfront acknowledgment here. **Doug Greene**, an excellent amateur lichenologist from Reading, Massachusetts, died on June 13, 2010, just eight days after the 2010 Berkshire BioBlitz. Doug was a major cataloguer of lichen diversity for New England, participating in many BioBlitzes/Biodiversity Days across the region, and maintaining two web-based New England lichen species lists. He

collapsed from heart failure on Block Island, just prior to boarding the ferry back to the mainland. He'd just finished surveying Block Island for lichens as part of the RI Natural History Survey's 2010 BioBlitz there. I met Doug at a Friends of the Farlow annual meeting in 1998; he subsequently learned lichens from me in 1999, sitting elbow-to-elbow at the microscope with me in the Farlow Herbarium at Harvard University (where I was working at the time). Doug is the closest thing I've ever had to a graduate student of my own, and he is greatly missed. This report is dedicated to his memory.

PITTSFIELD STATE FOREST: GEOGRAPHY, HABITATS & NATURAL HISTORY

Pittsfield State Forest is huge—it is one of the Commonwealth's largest state forests. It hugs the border of New York State (the Taconic Mountains) for over 35 miles, ranges about 1,200 feet in elevation, and includes the highest natural body of water in Massachusetts, Berry Pond (2,050 feet in elevation). The highest point is Hownee Mountain, at 2,313 feet; nearby Berry Hill (2,150 feet) is a well-known hawk-watching spot. Vegetation types in the Forest range from bottomland hemlock forest to mesic, northern hardwood forest. There is also an unusual *Sphagnum* moss wetland, Tilden Swamp (2,000 feet), that is home to some species of plants characteristic of bogs; a few dry rock outcrops; and open meadows. The Forest is traversed by Off-Road Vehicle trails; at present, it is one of the few DCR properties that allows ORV use.

As far as I know, the present report is the first attempt at a comprehensive survey of the organisms in Pittsfield State Forest. Some workers have visited the Forest as part of other projects—most notably, Pam Weatherbee's *Flora of Berkshire County* (1996), Massachusetts, an excellent book that includes a number of records from the Forest. There may be other, similar books and projects of which I'm not aware. Obviously, there wasn't time to be able to inventory the entire Forest in 24 hours—ours is a preliminary survey at best. In addition, certain species will be missed by virtue of timing—for example, certain fungi which only fruit in the autumn, or bird species which migrate through the Forest earlier in the season. This report would most accurately be considered a “snapshot” of the biodiversity Pittsfield State Forest, rather than a complete account. In other words, it is a record of all of the observable organisms living in the Forest in a particular 24-hour period in late Spring.

Numbers of Species by Groupings of Organisms	
	TOTAL
Total Species	947
Plants & Fungi	
Fungi (Mushrooms, Slime Molds, etc.)	49
Lichens	119
Freshwater Algae (not surveyed)	0
Mosses & Liverworts	111
Ferns & Fern Allies	18
Conifers	7
Woody Dicots (Trees & Shrubs)	73
Herbaceous Dicots (most Wildflowers)	153
Monocots (Grass, Lilies, Orchids, etc.)	60
Subtotal Plants & Fungi	590
Animal Life	
Non-Insect Invertebrates (not surveyed)	2
Insects (except Lepidoptera)	59
Butterflies	13
Moths	186
Fishes (not surveyed)	0
Herps (Amphibians & Reptiles)	15
Birds	65
Mammals	17
Subtotal All Animal Life	357

Complete species lists are available online:

http://www.mcla.edu/About_MCLA/Community/stempipeline/berkshirebioblitz/

<http://www.berkshirebioblitz.org>

<http://www.draugies.com>

Copies of permits for collecting invertebrates, plants, fungi and lichens, and trapping small mammals, can be provided by the author. Waivers from parents of all of the children featured in photographs in this document can also be provided by the author.

FUNGI – 49 species

Without a formal checklist of fungi of Massachusetts or North America, the taxonomic groups are somewhat arbitrary. Common names have not been standardized, and are lacking for many species. Taxonomic revisions are continuing in many groups. A lack of rain, and the timing of the BioBlitz, limited the number of fungal species. For example, many mushrooms fruit in the autumn, so a fall BioBlitz (especially after heavy rains) would have undoubtedly produced a much higher number of fungal species. Fungi of note include *Exobasidium vaccinii*, which formed balls on the twigs of rhododendron bushes at the summit of Pine Mountain; and *Ganoderma lucidulum*, a red conk fungus held in high esteem by Chinese herbalists for its medicinal properties. Our mycology team consisted of **John Wheeler** (Berkshire Mycological Society) and **Roz Lowen** of Connecticut.



Mycologists Roz Lowen and John Wheeler identifying their fungus specimens

LICHENS – 119 species

Lichens are a fascinating and conspicuous yet oft-neglected feature of rocks, soil, and bark. The number of species we found is not very high relative to other geographic areas of approximately the same size. This is probably due to historic patterns of air pollution in the northeast (lichens are very sensitive to air pollution). **Bob Dirig** (Cornell University), **Doug Greene** (Reading, MA), **James Lendemer** (NY Botanical Garden)

and the author were our lichen experts. Specimens of many species are housed in herbarium NY; a few others are found in the collection of the Berkshire Museum, herbarium CUP, and the author's private herbarium.

My fondest memory from the BioBlitz was an amazing lichenological moment, early Friday evening while I was hurriedly preparing stakes with glow-sticks attached to them (for marking trails for night-time programs). Doug approached me with a lichen specimen in his hand, asking "Do you know this lichen?" I looked at it and shook my head and he said "It's *Peltigera hydrothyria*". This completely shook me out of my administrative "BioBlitz organizer" mode and into "scientist" mode for a few minutes as I examined the specimen, utterly fascinated. This lichen is the only truly aquatic macrolichen in the world, and is a rarity in North America. I'd only seen it once before, on Mount Greylock in 1995; Doug's discovery represents the second record of this species for Berkshire County.

FRESHWATER ALGAE – 0 species

Unfortunately, algae were not surveyed as part of the 2010 Berkshire BioBlitz.

MOSSES & LIVERWORTS – 111 species

Bryophytes were the fourth most speciose group of organisms recorded in the Forest. Most everyone is familiar with these non-vascular plants, common on soil, rocks and tree bark. But who would have guessed that Pittsfield State Forest would be home to so many of them? As with many groups of organisms, the number of species found is directly correlated to the number of surveyors, in this case at least. No less than four experts comprised our bryophyte team: **Sue Williams** (Berkshire County's own resident moss expert, of the Arcadian Shop), **Nancy Slack** (Professor Emeritus at Russel Sage College), **Lloyd Stark** (University of Nevada, Las Vegas), and **Tom Phillips** (Nassau Veterinary Clinic).

FERNS & FERN ALLIES – 18 species

Walter Kittredge (Harvard University Herbaria) and **Claudia Vispo** (Hawthorne Valley's Farmscape Ecology Program) skillfully conducted all of our vascular plant surveys (ferns/fern allies, conifers, dicots, monocots), with assistance from **Bob Dirig** (Cornell University). Walter worked exceptionally hard on his botanical survey, spending long hours traipsing the Forest in search of plants. He noted species as "N" for native or "I" for invasive. Specimens of some species are deposited at herbarium GH.

With regards to pteridophytes, of special note was the beautiful maidenhair fern (*Adiantum pedatum*), which is more common in calcareous soils. One unusual species was the bog-loving *Botrychium virginianum* (rattle-snake fern). With regards to species diversity, five species of clubmoss (*Lycopodium* and its segregates) were recorded.

CONIFERS – 7 species

While seven species of conifers were counted, only two of them (*Pinus strobus* and *Tsuga canadensis*) are native.

TREES & SHRUBS – 73 species

Woody dicots are always well-represented in any temperate forest. The majority are native. Berry Pond Circuit Road, which runs from the bottomlands to the top of Berry Hill, allows you to see many of the common ones: American beech, sugar maple, red maple, yellow birch, and white birch. Common understory trees include striped maple and ironwood, while the shrub layer is dominated by hobblebush and mountain azalea. At the tops of the mountains and hills, in the open meadows, are stands of mountain ash, rhododendrons, and highbush blueberries.

With regards to diversity, two of the more speciose genera of woody plants are *Betula* (birches) and *Viburnum*, with four species each.



Botanists Bob Dirig and Walter Kittredge identifying their collections

DICOT HERBS (Wildflowers) – 153 species

Wildflowers were in full glory due to the rains of April and May. Natives are still holding their ground in the Forest, although many invasives are doing well. Unusual native species include the forest-dwellers *Conopholis americana* (squaw-root, a parasitic plant found on oak roots) and *Streptopus lanceolatus* (rosy twisted-stalk). The most unusual, native plant community is by far Tilden Swamp, located at c. 2,000 feet elevation. Although not technically a bog, some characteristic bog species can be found here among the *Sphagnum* moss, including the ericaceous shrub leatherleaf (*Chamaedaphne calyculata*) and the carnivorous plant *Drosera rotundifolia* (round-leaved sundew).

One state-listed rarity, the goldenrod *Solidago macrophylla* (largeleafed goldenrod), was found in a meadow near Tilden Swamp, between Tower Mountain and Berry Mountain. This observation was reported to the Massachusetts Natural Heritage & Endangered Species Program (MA NHESP). This rare species was the only one found amongst all the groups of plants and animals surveyed during this BioBlitz.

MONOCOTS (Grasses, Sedges, Lilies, Orchids, etc.) – 60 species

Some of these (notably the grasses and sedges) require serious study — their identification is not for the faint-hearted! Luckily, Walter was up to the task: he found 42 species of graminoids (grasses, sedges and rushes), of which 22 were in the genus *Carex* (a notoriously difficult genus of sedge). One species of orchids were found, the naturalized broadleaf helleborine, *Epipactis helleborine*. Interestingly, the pink lady's slipper orchid (*Cypripedium acaule*) was not recorded, although I personally observed it in the Forest on a separate occasion (not during the BioBlitz). Another stunning monocot, *Iris versicolor* (blue-flag iris) was in full bloom in Tilden Swamp.

NON-INSECT INVERTEBRATES (miscellaneous) – 2 species

No invertebrates besides insects were formally surveyed during this BioBlitz. **Tom French** (MA Fish & Wildlife), however, offered to i.d. any slugs or snails that we found, even though he couldn't attend. So I took a photograph of a slug and sent to him. He identified it as *Arion subfuscus*, an invasive species of slug introduced from Europe about 100 years ago. This species, and an unidentified centipede, were the only non-insect invertebrates that we recorded.

NON-LEPIDOPTERAN INSECTS – 59 species

One glaring deficiency in our BioBlitz survey efforts was the lack of non-lepidopteran insect surveyors. Mammal surveyor **Conrad Vispo** ((Hawthorne Valley's Farmscape Ecology Program) quipped, "This is the first BioBlitz I've been to where there were more mammals recorded than beetles!" In the future, we will be inviting more entomologists to participate. Most of the species reported here were found by **Lisa Provencher** (MCLA STEM), who was able to steal a few hours of surveying in the middle of her administrative and organizational work for the BioBlitz.

BUTTERFLIES – 13 species

Thirteen species of butterflies were recorded (mostly in Bishop Field and other meadows) by **Bob Dirig**, **Mark Mello** (Lloyd Center for the Environment), and **René Wendell** (The Trustees of Reservations).

MOTHS – 186 species

186 species of moths were recorded during the BioBlitz by **Mark Mello**. Mark has participated in many BioBlitzes around the region and is an expert moth taxonomist. He set no less than four UV-moth-traps throughout the Forest overnight on Friday. Five species of regionally uncommon moths that are characteristic of northern hardwood and transition forests north and west of Massachusetts, and along the high elevations of the Appalachians to the south, were documented, including the inchworm, *Heterophelps refusaria* (three-patched bigwing) and *Smerinthus cerisyi* (one-eyed sphinx).



A successful night's catch from a moth trap

FISH – 0 species

Fish were not surveyed as part of our BioBlitz. According to René Laubach (1992), however, brook trout can be found in Lulu Brook, while species such as bluegill and brown bullhead reside in Tilden Swamp. He also reports the following fish from Berry Pond: brown trout, brook trout, yellow perch, pumpkin seed, creek chub, golden shiner, brown bullhead, and goldfish (!).

HERPS (AMPHIBIANS & REPTILES) – 15 species

A total of 15 interesting amphibians and reptiles were noted by **Mike Gramacki** (MCLA), **Drew Jones** (Williams College) and **Tom Tynning** (Berkshire Community College), and **Jonathan Pierce**. Perhaps a few more amphibians would have been noted if vernal pools (of which the Forest has a few) had still been active during the time of the BioBlitz. On Friday night I spotted (with some amusement) an enterprising *Anaxyrus americanus* subsp. *americanus* (Eastern American Toad) at Mark Mello's moth light, gobbling up moths and other insects that were attracted to the light. Noteworthy among

the reptiles was the elusive *Diodophis punctatus* subsp. *edwardsii* (ring-necked snake). According to Laubach (1992), the Forest is the place where the most northerly black racer snake was recorded, but none were seen during our BioBlitz.

BIRDS – 65 species

Who doesn't like birds? Berkshire County's longest-running bird club, Hoffmann Bird Club, counted an impressive 65 species. Our hard-working Hoffmann bird team consisted of **Kryon Hanson, Gael Hurley, Chuck Johnson, Carrie Jones, Matt Kelly, Noreen Mole, Daniel Shustack** (MCLA) and **René Wendell**. Bird species don't necessarily need to be seen to be counted; their songs are so diagnostic that they can often be positively identified by their songs alone by an experienced, keen-eared birder. Highlights from the bird inventory include the Barred Owl (spotted by René during his Friday night owl hike), Blackbilled Cuckoo, Pileated Woodpecker, Yellowthroated Vireo, Common Raven, Morning Warbler, and Goshawk. As any naturalist knows, you have to get up pretty early to record most bird species, so I'm especially grateful for the Club's efforts.



Birders Noreen Mole and Kyron Hanson

MAMMALS – 17 species

Some of the best-known and charismatic animals of Pittsfield State Forest are mammals; for example, *Ursus americanus* (American Black Bear) and *Castor canadensis* (North American Beaver). Other mammals, however, are smaller and much more elusive. Our mammal experts were **Conrad Vispo** (Hawthorne Valley's Farmscape Ecology Program) and two of his students, together with **Chris Collins** (SUNY Albany). The latter is a PhD candidate doing research at the NY State Museum in Albany, and an expert on mice, shrews and other small mammals. Our team was intrepid and resourceful, camping overnight at Berry Pond and recording bats (four species), setting pit-traps and camera-traps, and hunting for tracks. Their camera-traps took stunning photographs of the larger mammals, while pit-traps used for recording smaller mammals, including the widely distributed but rarely seen *Sorex cinereus* (Masked Shrew).



Ursus americanus, spectacularly captured by one of Conrad Vispo's camera-traps

Genus	species	Common name
FUNGI		
Schizophyllaceae		
Schizophyllum	commune	Split Gills Common Split Gill
Multi-family		
Crepidotus	herbarum	Gilled Mushrooms A Crep Fungus
Crepidotus	mollis	Jelly Crep (Soft Stumpfoot)
Entoloma	strictum	An Entoloma Mushroom
Galerina	marginata	Marginal Galerina
Laccaria	laccata	Waxy Laccaria
Lentinus	tortulosus	A Lentinus Mushroom
Marasmius	sp.	A Marasmius
Marasmius	rotula	A Pinwheel Marasmius
Megacollybia	platyphylla	Platterful Mushroom
Mycena	delicatella	Delicate Mycena
Mycena	galericulata	Rosy-gill Fairy-helmet
Mycena	haematopus	A Bleeding Mycena
Mycena	inclinata	A Mycena
Mycena	leaiana	Orange Mycena
Parasola	plicatilis	Japanese Umbrella Inky
Pluteus	cervinus	Fawn Mushroom
Xeromphalina	cauticinalis	Fuzzy-foot
Fomes		
Fomes	fomentarius	Polypores Tinder Polypore
Fomitopsis	cajanderi	A Polypore
Ganoderma	applanatum	Artist's Fungus
Ganoderma	lucidum	Lingzhi Varnish-shelf
Inonotus	obliquus	A Polypore
Lenzites	betulina	Multicolor Gill Polypore
Piptoporus	betulinus	Birch Polypore
Trametes	versicolor	Versicolored Turkey-tail
Trichaptum	biformis	Violet Toothed Polypore
Hydnochaete	olivaceum	Brown-toothed Crust
Clavariaceae		
Clavicornia	pyxidata	Coral Fungi Crown-tipped Coral Fungus
Tremellales		
Dacrymyces	palmatum	Jelly Fungi Orange Jelly Fungus
Tremella	foliacea	Jelly Leaf
Stereum		
Stereum	complicatum	Crust & Parchment Fungi Crowded Parchment
Stereum	ostrea	False Turkey-tail
Morganella		
Morganella	pyriformis	Puffballs & Earthstars Pear-shaped Puffball
Helotiales		Earth-tongue Fungi
Mollisia	cinerea	A Fungus
Pezizales		
Chlorociboria	aeruginascens	Morels, Cup & Saucer Fungi Blue-green Stain
Chromelosporium	sp.	Yellow Stain
Scutellinia	scutellata	Reddish Eyelash Cup
Diaporthales		Leaf Spot Fungi
Cryphonectria	parasitica	Chestnut Blight
Pyrenomyces		
Daldinia	concentrica	Flask Fungi Carbon Balls
Kretzschmaria	deusta	Carbon Cushion

Xylaria	hypoxylon	Candle-snuff Flask Fungus
Group unknown		
Exobasidium	vaccinii	Blueberry Galls Flask-Fungus
		Slime Molds
Ceratiomyxa	fruticulosa	Coral Slime
Hemitrichia	sp.	A Slime Mold
Lycogala	epidendrum	Wolf's-milk Slime Mold
Stemonitis	axifera	Chocolate-tube Slime Mold
49 spp. Total		

Genus	species	infraspecific taxon	Common name
LICHENS			
Acarospora	fuscata		Brown Cobblestone Lichen
Agonimia	sp.		A Lichen
Allocetraria	oakesiana		Yellow Ribbon Lichen
Amandinea	milliaria		Black Stipple Lichen
Amandinea	punctata		Gray Stipple Lichen
Anisomeridium	distans		Birch bark Lichen
Arthonia	caesia		Frosted Comma Lichen
Arthonia	helvola		Rim Sunken-disk Lichen
Arthonia	ruana		Cinder Sunken-disk Lichen
Aspicilia	caesiocinerea		A Sunken Disk Lichen
Aspicilia	cinerea		Common Sunken Disk Lichen
Biatora	longispora		A Dot Lichen
Biatora	pontica		A Dot Lichen
Biatora	printzenii		Printzen's Dot Lichen
Bryoria	furcellata		Common Horsehair Lichen
Caloplaca	arenaria		Granite Fire-dot Lichen
Caloplaca	flavovirescens		A Sulphur Rock Fire-dot Lichen
Caloplaca	oxfordensis		A Fire-dot Lichen
Candelaria	concolor		Lemon Candle-flame Lichen
Candelariella	aurella		Hidden Gold-speck Lichen
Candelariella	efflorescens		Powdery Gold-speck Lichen
Candelariella	vitellina		Common Gold-speck Lichen
Catillaria	nigroclavata		A Crustose Lichen
Cladonia	caespiticia		Stubby-stalked Cladonia
Cladonia	chlorophaea		Mealy Pixie-cup Lichen
Cladonia	coniocraea		Powder Horn Lichen
Cladonia	furcata		Many-forked Cladonia
Cladonia	grayi		A Cladonia Lichen
Cladonia	macilenta	var. bacillaris	Lipstick Lichen
Cladonia	ochrochlora		Small-footed Powderhorn
Cladonia	parasitica		Fence-rail Cladonia
Cladonia	pleurota		Red-fruited Pixie-cup
Cladonia	squamosa		Dragon Cladonia
Coenogonium	pineti		Yellow Soot Lichen
Dictyocatenuolata	alba		A Lichen Parasite
Dibaeis	baeomyces		Pink Earth Lichen
Diploschistes	scruposus		Aggressive Crater Lichen
Endocarpon	petrolepideum		A Lichen
Evernia	mesomorpha		Boreal Oakmass Lichen
Flavoparmelia	caperata		Common Greenshield Lichen
Fuscidea	arboricola		A Quilt Lichen
Fuscidea	recensa		A Quilt Lichen
Graphis	scripta		Common Script Lichen
Hypocenomyce	scalaris		Common Clam Lichen
Hypogymnia	physoides		Hooded Tube Lichen
Imshaugia	aleurites		Salted Starburst Lichen
Julella	fallaciosa		A Juliella Lichen
Lecania	croatica		A Crustose Lichen
Lecanora	dispersa		Mortar Rim Lichen
Lecanora	hypocarpa s.l.		Bumpy Rim Lichen
Lecanora	muralis		A Rim Lichen

Lecanora	polytropa		Granite-speck Lichen
Lecanora	pulicaris		A Rim Lichen
Lecanora	srobilina		Mealy Rim Lichen
Lecanora	symmicta		Fused Rim Lichen
Lecanora	thysanophora		Mapledust Rim Lichen
Lecidea	cyrtidia		A Crustose Lichen
Leimonis	erratica		A Crustose Lichen
Lepraria	caesiella		A Dust Lichen
Lepraria	incana		A Dust Lichen
Lepraria	lobificans		Fluffy Dust Lichen
Lepraria	membranacea		A Lobed Dust Lichen
Lepraria	neglecta		A Zoned Dust Lichen
Lepraria	normandinoides		A Dust Lichen
Leptogium	cyanescens		Blue Jellyskin Lichen
Leptogium	lichenoides		Jellyskin Lichen
Melanelixia	fuliginosa		Camouflage Lichen
Melanelixia	subaurifera		Abraided Camouflage Lichen
Muellerella	lichenoides		A Lichen Parasite
Mycocalicium	subtile		A Mycocalicium Lichen
Myelochroa	aurulenta		An Axel-bristle Lichen
Myxobilimbia	sabuletorum		A Dot Lichen
Ochrolechia	arborea		A Powdery Saucer Lichen
Parmelia	squarrosa		Bottlebrush Shield Lichen
Parmelia	sulcata		Hammered Shield Lichen
Parmeliopsis	subcapitata		A Small Shield Lichen
Peltigera	hydrothyria		Water Fan
Peltigera	praetextata		A Dog Lichen
Pertusaria	cf. macounii		Macoun's Wart Lichen
Phaeocalicium	polyporaeum		Polypore Lichen
Phaeophyscia	pusilloides		Pompon Shadow Lichen
Phaeophyscia	rubropulchra		Orange-cored Shadow Lichen
Physcia	adscendens		Hooded Rosette Lichen
Physcia	dubia		Hoary Rosette Lichen
Physcia	millegrana		Mealy Rosette Lichen
Physcia	stellaris		Star Rosette Lichen
Physcia	subtilis		Slender Rosette Lichen
Placynthiella	dasaea		A Tar-spot Lichen
Placynthiella	icmalea		A Tar-spot Lichen
Placynthium	nigrum		A Tar-spot Lichen
Polysporina	subfuscens		A Coal-dust Lichen
Porpidia	albocaerulescens		Smoky-eyed Boulder Lichen
Porpidia	macrocarpa		A Boulder Lichen
Pseudosagedia	aenea		A Dot Lichen
Punctelia	rudecta		Rough Speckle Shield Lichen
Pyrenidium	aggregatum		A Dot Lichen
Pyrrhospora	varians		A Crimson-dot Lichen
Rhizocarpon	grande		A Map Lichen
Rhizocarpon	infernulum	f. sylvaticum	A Map Lichen
Rhizocarpon	obscuratum		A Map Lichen
Rhizocarpon	reductum		A Map Lichen
Rhizocarpon	rubescens		A Map Lichen
Rhizoplaca	chrysoleuca s.l.		Scattered Rock-posy Lichen
Rinodina	efflorescens		A Persian Lambskin Lichen

Sarcogyne	clavus		A Grain-spored Lichen
Sarcogyne	regularis		Frosted Grain-spored Lichen
Sarea	resinae		A sarea Lichen
Scoliciosporum	chlorococcum		City Dot Lichen
Trapelia	glebulosa		Pebble Lichen
Trapelia	placodiodes		A Trapelia Lichen
Trapeliopsis	flexuosa		Board Lichen
Trypethelium	virens		Green Crustose Lichen
Usnea	hirta		Bistly Beard Lichen
Usnea	strigosa	subsp. major	Bushy Beard Lichen
Verrucaria	sp.		A Wart Lichen
Vulpicida	pinastri		Powdery Sunshine Lichen
Xanthoparmelia	conspersa		A Rock Shield Lichen
Xanthoparmelia	plittii		A Rock Shield Lichen
Xanthoparmelia	viriduloumbrina		A Rock Shield Lichen
119 spp. Total			

Genus	species	infraspecific taxon	Common name
BRYOPHYTA			
MOSSES			
Amblystegium	tenax		A Moss
Anacamptodon	splachnoides		A Moss
Anomodon	attenuatus		A Moss
Anomodon	minor		A Moss
Anomodon	rostratus		A Moss
Atrichum	altecristatum		A Spine-leaf Moss
Atrichum	angustatum		A Spine-leaf Moss
Atrichum	crispum		Crispy Spine-leaf Moss
Aulacomnium	palustre		A Moss
Barbula	unguiculata		A Moss
Bartramia	pomiformis		Apple Moss
Brachythecium	laetum		A Moss
Brachythecium	plumosum		A Moss
Brachythecium	reflexum		A Moss
Brachythecium	rivulare		A Moss
Brachythecium	salebrosum		A Moss
Brotherella	recurvans		A Moss
Bryhnia	graminicolor		A Moss
Bryhnia	novae-angliae		A Moss
Bryoandersonia	illecebra		A Moss
Bryum	argenteum		A Silver Moss
Bryum	capillare		A Silver Moss
Bryum	lisae	var. cuspidatum	A Silver Moss
Bryum	pseudotriquetrum		A Silver Moss
Callicladium	haldanianum		A Moss
Campylium	chrysophyllum		Goldenleaved Campylium Moss
Ceratodon	purpureus		Burnt-ground Moss
Climacium	americanum		A Tree Moss
Dichelyma	capillaceum		A Moss
Dicranella	heteromalla		A Moss
Dicranum	flagellare		A Broom Moss
Dicranum	fulvum		A Broom Moss
Dicranum	montanum		A Broom Moss
Dicranum	scoparium		A Broom Moss
Diphyscium	foliosum		Nut Moss
Ditrichum	lineare		A Moss
Drepanocladus	aduncus		A Moss
Encalypta	procera		A Moss
Entodon	cladorrhizans		A Moss
Entodon	seductrix		A Moss
Eurhynchium	hians		A Moss
Eurhynchium	riparioides		A Moss
Fissidens	bryoides		A Moss
Fissidens	bushii		A Moss
Fissidens	dubius		A Moss
Gymnostomum	aeruginosum		VerdigrisTufa-Moss
Hedwigia	ciliata		White-tipped Moss
Herzogiella	striatella		A Moss
Hygrohypnum	eugyrium		A Moss
Hygrohypnum	molle		A Moss

Hypnum	imponens		A Feather Moss
Hypnum	lindbergii		A Feather Moss
Hypnum	pallescens		A Feather Moss
Isopterygium	muellarianum		A Moss
Leskea	gracilescens		A Moss
Leucobryum	glaucum		Pin Cushion Moss
Mnium	hornum		Forest Star Moss
Mnium	marginatum		A Star Moss
Orthotrichum	anomalum		A Moss
Orthotrichum	obtusifolium		A Moss
Orthotrichum	ohioense		A Moss
Orthotrichum	sordidum		A Moss
Orthotrichum	stellatum		A Moss
Orthotrichum	strangulatum		A Moss
Philonotis	fontana		A Moss
Plagiomnium	ciliare		A Moss
Plagiomnium	cuspidatum		A Moss
Plagiothecium	cavifolium		A Slender Moss
Plagiothecium	laetum		A Slender Moss
Plagiothecium	latebricola		A Slender Moss
Platygyrium	repens		A Moss
Pohlia	annotina	var. decipiens	A Moss
Pohlia	nutans		A Moss
Polytrichum	commune		Goldilocks Haircap Moss
Polytrichum	ohioense		A Haircap Moss
Polytrichum	pallidisetum		A Haircap Moss
Polytrichum	piliferum		A Haircap Moss
Pseudotaxiphyllum	elegans		A Moss
Racomitrium	aciculare		A Moss
Rhizomnium	punctatum		A Moss
Rhodobryum	ontariense		A Moss
Rhytidiadelphus	triquetrus		Shaggy Moss
Schistidium	apocarpum		A Moss
Sphagnum	centrale		A Peat Moss
Sphagnum	fimbriatum		A Peat Moss
Sphagnum	magellanicum		A Peat Moss
Sphagnum	subsecundum		A Peat Moss
Taxiphyllum	deplanatum		A Moss
Tetraphis	pellucida		Four-toothed Moss
Thuidium	delicatulum		Delicate Fern Moss
Thuidium	pygmaeum		A Fern Moss
Thuidium	cf. scitum		A Fern Moss
Trematodon	ambiguus		A Moss
Ulota	crispa		A Moss
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HEPATICS			Liverworts
Bazzania	trilobata		Braided Liverwort
Calypogeia	muellariana		A Liverwort
Cephalozia	bicuspidata		Two-horned Pincerwort
Conocephalum	conicum		Snake Liverwort
Diplophyllum	apiculatum		A Liverwort
Frullania	eboracensis		A Liverwort
Lejeunea	cavifolia		A Pouncewort
Lepidozia	reptans		Creeping Fingerwort

Lophocolea	cuspidata	A Liverwort
Lophocolea	heterophylla	A Liverwort
Nowellia	curvifolia	A Liverwort
Odontoschisma	denudatum	A Liverwort
Plagiochila	asplenioides	A Greater Featherwort
Porella	platyphylla	A Porella Liverwort
Ptilidium	pulcherrimum	A Liverwort
Radula	complanata	A Liverwort
Scapania	nemorosa	Common Scapania Liverwort
111 spp. Total		
(94 mosses, 17 liverworts)		

Genus	species	infraspecific taxon	Common name	Native?
Pteridophyta			FERNS & FERN ALLIES	
Equisetaceae			Fern Allies	
			Horsetails	
Equisetum	arvense		Field Horsetail	
Lycopodiaceae			Clubmosses	
Diphasiastrum	digitatum		Southern Ground-cedar	
Huperzia	lucidula		Shining Clubmoss	
Lycopodium	annotinum		Stiff Clubmoss	
Lycopodium	hickeyi		Hickey's Clubmoss	
Lycopodium	obscurum		Tree Clubmoss	
Multi-families			FERNS	
Adiantaceae				
Adiantum	pedatum		Maidenhair Fern	
Dennstaedtiaceae			Bracken Ferns	
Dennstaedtia	punctilobula		Hay-scented Fern	
Pteridium	aquilinum	ssp. latiusculum	Bracken Fern	
Dryopteridaceae			Spleenworts (in part)	
Dryopteris	cartusiana		Spinulose Woodfern	
Dryopteris	marginalis		Marginal Woodfern	
Onoclea	sensibilis		Sensitive Fern	
Polystichum	acrostichoides		Christmas Fern	
Phloglossaceae			Adder's-tongues	
Botrychium	virginianum		Rattlesnake Fern	
Osmundaceae			Royal Ferns	
Osmunda	cinnamomea		Cinnamon Fern	
Osmunda	claytoniana		Interrupted Fern	
Thelypteridaceae			Spleenworts (in part)	
Parathelypteris	noveboracensis		New York Fern	
Thelypteris	palustris	var. pubescens	Marsh Fern	

18 spp. Total

Genus	species	Common name	Native?
Gymnospermae		CONIFERS	
Pinaceae		Pines	
Picea	abies	Norway Spruce wild?	Int
Picea	glauca	White Spruce	Int
Pinus	nigra	Austrian Pine	Int
Pinus	strobus	Eastern White Pine	
Pinus	sylvestris	Scotch Pine wild?	Int
Tsuga	canadensis	Eastern Hemlock	
Taxaceae		Yews	
Taxus	cuspidata	Japanese Yew	Int

7 spp. Total

Genus	species	infraspecific taxon	Common name	
Angiospermae			WOODY DICOTS	
Aceraceae			Maples	
Acer	pensylvaticum		Striped Maple	
Acer	rubrum		Red Maple	
Acer	saccharum		Sugar Maple	
Acer	spicatum		Striped Maple	
Anacardiaceae			Sumacs	
Rhus	hirta		Staghorn Sumac	
Toxicodendron	radicans		Eastern Poison Ivy	
Aquifoliaceae			Hollies	
Ilex	verticillata		Winterberry Holly	
Berberidaceae			Barberries	
Berberis	thunbergii		Japanese Barberry	INV
Berberis	vulgaris		European Barberry	INV
Betulaceae			Birches	
Alnus	incana	ssp. rugosa	Speckled Alder	
Betula	alleghaniensis		Yellow Birch	
Betula	lenta		Black Sweet Birch	
Betula	papyrifera		Paper Birch	
Betula	populifolia		Gray Birch	
Carpinus	caroliniana		American Hornbeam	
Corylus	comuta		Beaked Hazelnut	
Ostrya	virginiana		Eastern Hop Hornbeam	
Caprifoliaceae			Honeysuckles	
Diervilla	lonicera		No. Bush Honeysuckle	
Lonicera	canadensis		Am. Fly Honeysuckle	
Lonicera	xylosteum		European Fly Honeysuckle	INV
Sambucus	nigra	ssp. canadensis	Common Elderberry	
Sambucus	racemosa	ssp. rubens	Red Elderberry	
Viburnum	acerifolium		Maple-leaf Viburnum	
Viburnum	dentatum	var. lucida	Arrow-wood Viburnum	
Viburnum	lantanoides		Hobblebush	
Viburnum	nudum	var. cassinoides	Witherod Viburnum	
Celastraceae			Bittersweets	
Celastrus	orbiculata		Oriental Bittersweet	INV
Euonymus	alata		Winged Burning-bush	INV
Cornaceae			Dogwoods	
Cornus	alternifolia		Pagoda (Alt.-leaf) Dogwood	
Cornus	cf. amomum		Silky Dogwood	
Ericaceae			Heaths	
Chamaedaphne	calyculata		Leather-leaf	
Kalmia	angustifolia		Sheep Laurel	
Lyonia	ligustrina		Maleberry	
Rhododendron	prinophyllum		Mountain Azalea	
Vaccinium	angustifolium		Late Low-bush Blueberry	
Vaccinium	corymbosum		High-bush Blueberry	
Fagaceae			Oaks & Beeches	
Castanea	dentata		American Chestnut	
Fagus	grandifolia		American Beech	
Quercus	rubra		Red Oak	
Grossulariaceae			Currents	
Ribes	cynosbati		Eastern Prickly Gooseberry	Int

Hamamelidaceae		Witch-hazels	
Hamamelis	virginiana	American Witch-hazel	
Juglandaceae		Walnuts	
Carya	ovata	Shagbark Hickory	
Lauraceae		Laurels	
Lindera	benzoin	Spicebush	
Oleaceae		Olives & Ashes	
Fraxinus	americana	White Ash	
Fraxinus	pennsylvanica	Green Ash	
Ranunculaceae		Virgin's Bower	
Clematis	virginiana		
Rhamnaceae		Buckthorns	
Rhamnus	cathartica	Common Buckthorn	INV
Frangula	alnus	Glossy Buckthorn	INV
Rosaceae		Roses	
Amelanchier	sp.	Serviceberry	
Crataegus	macrantha	Fleshy Hawthorn	
Crataegus	sp.	A Hawthorn	Int
Malus	baccata	Siberian Crabapple	Int
Prunus	serotina	Black Cherry	
Prunus	virginiana	Common Chokecherry	
Rosa	multiflora	Multiflora Rose	INV
Rubus	alleghaniensis	Alleghany Blackberry	
Rubus	hispidus	Bristly Dewberry	
Rubus	idaeus	Red Raspberry	
Rubus	occidentalis	Black Raspberry	
Rubus	odoratus	Purple-flowering Raspberry	
Rubus	pensilvanicus	Pennsylvania Blackberry	
Sorbus	aucuparia	European Mountain-ash	Int
Spiraea	alba	Meadowsweet	
Spiraea	tomentosa	Steeplebush	
Salicaceae		Willows & Aspens	
Populus	deltoides	Eastern Cottonwood	Int
Populus	grandidentata	Big-tooth Aspen	
Populus	tremuloides	Quaking Aspen	
Salix	discolor	Large Pussy Willow	
Salix	sericea	Silky Willow	
Tilaceae		Lindens	
Tilia	americana	American Basswood	
Ulmaceae		Elms	
Ulmus	americana	American Elm	
Vitaceae		Grapes	
Parthenocissus	quinquefolia	Virginia Creeper	
Vitis	vinifera	Wine Grape	INV

73 spp. Total

Genus	species	infraspecific taxon	Common name	Native?
Angiospermae			HERBACEOUS DICOTS	
Apiaceae			Carrots & Parsleys (ex Umbelliferae)	
Aegopodium	podgraria		Goutweed	INV
Angelica	atropurpurea		Purplestem Angelica	
Daucus	carota		Queen Anne's Lace	
Hydrocotyle	americana		Swamp Pennywort	
Osmorhiza	claytonii		Clayton's Sweetroot	
Sanicula	marilandica		Black Snakeroot	
Zizia	aurea		Golden Alexanders	
Apocynaceae			Dogbanes	
Vinca	minor		Common Periwinkle	Int
Araliaceae			Ginsengs	
Aralia	nudicaulis		Wild Sarsaparilla	
Aralia	racemosa		American Spikenard	
Aristolochiaceae			Birthworts	
Asarum	canadense		Wild Ginger	
Asclepiadaceae			Milkweeds	
Asclepias	incarnata	ssp. pulchra	Swamp Milkweed	
Asclepias	syriaca		Common Milkweed	
Asteraceae			Asters & Daises (ex Compositae)	
Ageratina	altissima		White Snakeroot	
Ambrosia	artemisifolia		Hayfever Ragweed	
Arctium	lappa		Greater Burdock	Int
Arctium	minus		Common Burdock	Int
Bidens	cf. frondosa		Devil's Beggar-ticks	
Cirsium	arvense		Canadian Thistle	Int
Erigeron	annuus		Eastern Daisy Fleabane	
Erigeron	philadelphicus		Philadelphia Fleabane	
Erigeron	strigosus		Rough Fleabane	
Eutrochium	dubium		Atlantic Joe-Pye-weed	
Eupatorium	perfoliatum		Common Boneset	
Eurybia	divaricata		White Wood Aster	
Eurybia	macrophylla		Big-leaf Aster	
Euthamia	graminifolia		Lance-leaf Flat-top Goldenrod	
Hieracium	caespitosum		Meadow Hawkweed	Int
Hieracium	pilosella		Mouse-ear Hawkweed	Int
Lapsana	communis		Common Nipplewort	Int
Leucanthemum	vulgare		Ox-eye Daisy	Int
Mycelis	muralis		Wall Lettuce	Int
Nabalus	altissimus		Tall Rattlesnake-root	
Nabalus	trifolius		Threelf Rattlesnake-root	
Oclemena	acuminata		Whorled Wood Aster	
Packera	paupercula		Balsam Ragwort	
Rudbeckia	hirta	var. pulcherrima	Coneflower	Int
Solidago	caesia		Blue-stem Goldenrod	
Solidago	canadensis		Canada Goldenrod	
Solidago	gigantea		Late Goldenrod	
Solidago	macrophylla		Largeleaf Goldenrod	
Solidago	rugosa		Rough-stem Goldenrod	
Symphotrichum	lanceolatum		Panicled Aster	
Symphotrichum	novae-angliae		New England Aster	
Symphotrichum	puniceum		Swamp Aster	
Symphotrichum	undulatum		Waxy-leaf Aster	
Taraxacum	officinale		Common Dandelion	Int
Tussilago	farfara		Colt's-foot	INV
Balsaminaceae			Jewelweeds	
Impatiens	capensis		Orange Jewelweed	
Impatiens	pallida		Yellow Jewelweed	
Berberidaceae			Barberries	
Caulophyllum	thalicroides		Blue Cohosh	
Boraginaceae			Borages	
Myosotis	sp.		Forget-me-not	
Brassicaceae (ex Cruciferae)			Mustards	

Allaria	petiola	Garlic Mustard	INV
Barbarea	vulgaris	Common Wintercress	Int
Cardamine	diphylla	Broadleaf Toothwort	
Cardamine	pennsylvanica	Pennsylvania Bittercress	Int
Hesperis	matronalis	Dame's Rocket	INV
Sinapis	arvensis	Charlock Mustard	Int
Sium	suave	Water Parsnip	
Buxaceae		Boxwoods	
Pachysandra	terminalis	Japanese Pachysandra	Int
Caryophyllaceae		Pinks	
Sagina	procumbens	Matted Pearlwort	Int
Stellaria	graminea	Common Stitchwort	Int
Stellaria	media	Common Chickweed	Int
Clusiaceae (ex Guttiferae)		St. John's-worts	
Hypericum	perforatum	Common St. John's-wort	Int
Triadenum	virginicum	Pink St. John's-wort	
Convolvulaceae		Morning-glories	
Calystegia	sepium	Wild Morning-glory	
Crassulaceae		Stonecrops	
Hylotelephium	telephioides	Allegheny Stonecrop	Int
Droseraceae		Sundews	
Drosera	rotundifolia	Round-leaf Sundew	
Euphorbiaceae		Spurges	
Euphorbia	cyparissias	Cypress Spurge	INV
Ericaceae			
Epigaea	repens	Trailing Arbutus	
Gaultheria	procumbens	Wintergreen	
Fabaceae (ex Leguminosae)		Legumes	
Amphicarpaea	bracteata	American Hog Peanut	
Medicago	lupulina	Black Medick	Int
Melilotus	albus	White Sweet Clover	Int
Trifolium	hybridum	Alsike Clover	Int
Trifolium	pratense	Red Clover	Int
Trifolium	repens	White Clover	Int
Vicia	cracca	Cow Vetch	Int
Gentianaceae		Gentians	
Gentiana	sp.	Gentian	
Geraniaceae		Geraniums	
Geranium	maculatum	Wild Geranium	
Geranium	robertianum	Herb Robert	Int
Hydrophyllaceae		Waterleafs	
Hydrophyllum	virginianum	Virginia Waterleaf	
Lamiaceae		Mints	
Glechoma	hederacea	Ground-ivy	Int
Lycopus	uniflorus	Northern Water-horehound	
Prunella	vulgaris	Self-heal (native & Int. vars)	Int
Thymus	pulegioides	Wild Thyme	Int
Monotropaceae		Indian-pipes	
Monotropa	uniflora	Indian-pipe	
Nymphaeaceae		Water Lilies	
Nuphar	variegatum	Yellow Cow Lily	
Onagraceae		Evening-primroses	
Circaea	lutetiana	ssp. canadensis	Com. Enchanters Nightshade
Oenothera	perennis		Little Evening Primrose
Orobanchaceae		Broom-rapes	
Conopholis	americana	American Squaw-root	
Epiphagus	virginiana	Beechdrops	
Oxalidaceae		Wood-sorrels	
Oxalis	montana	Mountain Wood-sorrel	
Oxalis	stricta	Yellow Wood-sorrel	Int
Papaveraceae		Poppies	
Chelidonium	majus	Greater Celandine	INV
Sanguinaria	canadensis	Bloodroot	
Plantaginaceae		Plantains	

Plantago	lanceolata	Narrow-leaf Plantain	Int
Plantago	major	Broad-leaf Plantain	Int
Plantago	rugelii	American Plantain	
Polygonaceae		Buckwheats	
Fallopia	cf. cilinode	Fringed Black Bindweed	Int
Fallopia	japonica	Japanese Knotweed	INV
Persicaria	amphibia	Water Smartweed	
Persicaria	sagittata	Arrow-leaf Tear-thumb	
Rumex	acetosella	Red Sheep Sorrel	Int
Rumex	crispus	Curly-leaf Dock	Int
Rumex	obtusifolius	Bitter Dock	Int
Primulaceae		Primroses	
Lysimachia	ciliata	Fringed Loosestrife	Int
Lysimachia	nummularia	Moneywort	INV
Lysimachia	quadrifolia	Whorled Yellow Loosestrife	
Lysimachia	terrestris	Swamp Candles	
Trientalis	borealis	Eastern Starflower	
Pyrolaceae		Wintergreens	
Pyrola	elliptica	Elliptic Shinleaf	
Ranunculaceae		Buttercups	
Anemone	acutiloba	Sharplobe Hepatica	
Aquilegia	vulgaris	European Columbine	Int
Ranunculus	abortivus	Kidney-leaf Buttercup	
Ranunculus	acris	Tall Buttercup	Int
Ranunculus	bulbosus	Bulbous Buttercup	Int
Ranunculus	recurvatus	Hooked Crowfoot	
Ranunculus	repens	Creeping Buttercup	Int
Thalictrum	dioicum	Early Meadow-rue	
Thalictrum	pubescens	Tall Meadow-rue	
Thalictrum	revolutum	Waxy-leaf Meadow-rue	
Rosaceae		Roses	
Actaea	pachypoda	Baneberry, White	
Actaea	rubra	Baneberry, Red	
Agrimonia	sp.	Agrimony	
Fragaria	vesca	Woodland Strawberry	Int
Fragaria	virginiana	Wild Strawberry	
Geum	canadense	White Avens	
Potentilla	cf. recta	Rough-fruited Cinquefoil	Int
Potentilla	simplex	Old Field Cinquefoil	
Rubiaceae			
Galium	mollugo	Field Madder	Int
Galium	palustre or trifidum	Bedstraw	
Galium	triflorum	Fragrant Bedstraw	
Galium	verum	Yellow Spring Bedstraw	
Houstonia	caerulea	Bluets	
Mitchella	repens	Partridgeberry	
Santalaceae		Sandalwoods	
Comandra	umbellata	Bastard Toadflax	
Saxifragaceae		Saxifrages	
Micranthes	pennsylvanica	Swamp Saxifrage	
Mitella	diphylla	Twoleaf Miterwort	
Tiarella	cordifolia	Foamflower	
Scrophulariaceae		Snapdragons	
Chelone	glabra	White Turtlehead	
Melampyrum	lineare	Narrow-leaf Cow-wheat	
Pedicularis	canadensis	Wood Betony	
Verbascum	thaspus	Common Mullein	Int
Urticaceae		Nettles	
Laportea	canadensis	Canada Woodnettle	
Urtica	dioica	Stinging Nettle	
		var. gracile	
Verbenaceae		Verbenas	
Verbena	urticifolia	White Vervain	
Violaceae		Violets	
Viola	cucullata	Marsh Blue Violet	

Viola
Viola
Viola
Viola

lanceolata
pubescens
rotundifolia
sororia

Lance-leaf Violet
Yellow Violet
Roundleaf Yellow Violet
Common Blue Violet

153 species total

Genus	species	infraspecific tax	Common name	Native?
MONOCOTS				
Araceae				
Arisaema	triphyllum		Jack-in-the-pulpit	
Cyperaceae				
Carex	annectens		Sedge, Yellowfruit	
Carex	atlantica		Sedge, Prickly Bog	
Carex	blanda		Sedge, Eastern Woodland	
Carex	bromoides		Sedge, Brome	
Carex	brunnescens		Sedge, Brownish	
Carex	canescens		Sedge, Silvery	
Carex	cephalophora		Sedge, Oval-leaf	
Carex	comosa		Sedge, Longhair	
Carex	crinita		Sedge, Fringed	
Carex	debilis	var. rudgei	Sedge, White-edge	Int
Carex	gracillima		Sedge, Graceful	
Carex	lasiocarpa	var. americana	Sedge, Woolyfruit	
Carex	lurida		Sedge, Shallow	
Carex	pennsylvanica		Sedge, Pennsylvania	
Carex	plantaginea		Sedge, Plantainleaf	
Carex	radiata		Sedge, Eastern Star	
Carex	rosea		Sedge, Rosy	
Carex	scoparia		Sedge, Broom	
Carex	stipata		Sedge, Owlfruit	
Carex	stricta		Sedge, Tussock	
Carex	swanii		Sedge, Swan's	
Carex	vulpinoidea		Sedge, Fox	
Dulichium	arundinaceum		Three-way Sedge	
Scirpus	atrovirens		Dark Green Bullsedge	
Scirpus	cyperinus		Wool Sedge	
Iridaceae				
Iris	versicolor		Large Blue Flag Iris	
Sisyrinchium	montanum	var. crebrum	Strict Blue-eyed Grass	
Juncaceae				
Juncus	effusus		Common Soft Rush	
Juncus	tenuis		Path Rush	
Luzula	multiflora		Common Wood Rush	
Liliaceae				
Allium	triccoccum		Ramps	
Clintonia	borealis		Yellow Blue-bead Lily	
Convallaria	majalis		Lily-of-the-valley	Int
Erythronium	americanum		Trout Lily	
Hemerocallis	fulva		Orange Day Lily	Int
Maianthemum	canadense		Canadian Mayflower	
Maianthemum	racemosum		False Solomon's-seal	
Medeola	virginiana		Indian Cucumber-root	
Polygonatum	pubescens		Hairy Solomon's-seal	
Streptopus	lanceolatus		Rosy Twisted-stalk	
Trillium	erectum		Red Trillium	
Uvularia	sessifolia		Sessile-leaf Bellwort	
Veratrum	viride		False Hellebore	
Orchidaceae				
Epipactis	helleborine		Helleborine	Int
Poaceae (ex Graminae)				
GRASSES				
Anthoxanthum	odoratum		Sweet Vernalgrass	Int
Calamagrostis	canadensis		Canadian Bluejoint	
Dactylis	glomerata		Orchard Grass	Int
Festuca	ovina		Sheep Fescue	Int
Leersia	oryzoides		Rice Cutgrass	
Leersia	virginica		Floodplain Cutgrass	
Phalaris	arundinacea		Reed Canary Grass	
Poa	annua		Annual Bluegrass	Int
Poa	compressa		Canadian Bluegrass	Int
Poa	nemoralis		Woodland Bluegrass	Int
Poa	palustris		Fowl Meadow Bluegrass	
Poa	pratensis		Kentucky Bluegrass	Int
Triplasis	purpurea		Purple Sand Grass	
Sparganiaceae				
Sparganium	sp.		Bur-reed	
Typhaceae				
Cat-tails				
Typha	latifolia		Broad-leaf Cat-tail	

60 spp. Total

Genus	species	English name
Animalia		ANIMALS
Invertebrata		INVERTEBRATES
Non-Insect Inverts		Non-Insect Inverts
Mollusca		MOLLUSKS
Gastropoda		Gastropods
		Slugs
Arion	subfuscus	Common Dusky Arion Slug
Chilopoda		Centipedes
indet.	sp.	A Centipede
2 spp. Total		

Genus	species	Common name
Insecta		INSECTS ex. Lepidoptera
Odonata		ODONATES
Anisoptera		DRAGONFLIES
Aeshnidae		Darners
Anax	junius	Green Darner
Libellulidae		Skimmers
Libellula	exusta	A Skimmer
Naniaeschora	sp.	A Skimmer
Plathemis	lydia	White-tail Skimmer
Plecoptera		Stoneflies
Family Leuctridae		
indet.	sp.	Roll-winged Stonefly
Coleoptera		BEETLES
Cantharidae		Soldier Beetles
Podabrus	diadema	A Soldier Beetle
Carabidae		Ground & Tiger Beetles
Lebia	fuscata	A Ground Beetle
Cerambycidae		Long-horned Beetles
Anthophylax	attenuatus	A Long-horned Beetle
Centrodera	decolorata	A Long-horned Beetle
Saperda	candida	Round-headed Apple Tree Borer
Elateridae		Click Beetles
Melanotus	sp. 1	A Click Beetle
Melanotus	sp. 2	A Click Beetle
Lampyridae		Fireflies
Photinus	sp.	A Nocturnal Firefly
Lucanidae		Stag Beetles
Ceruchus	piceus	A Stag Beetle
Pyrochroidae		Fire-Colored Beetles
Dendroides	concolor	A Fire-Colored Beetle
Scarabaeidae		Scarab Beetles
Phyllophaga	sp.	Similar to drakii
Silphidae		Carrion Beetles
Nicrophorus	orbicollis	A Carrion Beetle
Trogossitinae		Bark-gnawing Beetles
Airora	cylindrica	A Bark-gnawing Beetle
Hymenoptera		ANTS BEES & WASPS
Formicariidae		Ants
indet.	spp.	An Ant

+ 41 spp. of unidentified insects (i.d.'d only to order-level)

59 spp. Total

Genus	species	English name
Lepidoptera in part		BUTTERFLIES
Papilionidae		Swallowtails
Papilio	glaucus	Eastern Tiger Swallowtail
Pieridae		Whites & Sulphurs
Colias	eurytheme	Orange Sulphur
Pieris	rapae	Cabbage White
Nymphalidae		Brush-foots
Coenonympha	tullia	Common Ringlet
Limnitis	artemis	Red-spotted Purple
Limnitis	archippus	Viceroy
Nymphalis	milberti	Milbert's Tortoiseshell
Phyciodes	tharos	Pearl Crescent
Polygonia	interrogationis	Question Mark
Vanessa	atalanta	Red Admiral
Hesperiidae		Skippers
Erynnis	sp.	A Duskywing
Polites	mystic	Long Dash
Thymelicus	lineola	European Skipper

13 spp. Total

Genus	species	Common name	MONA
Lepidoptera in part		MOTHS	
THYATIRIDAE			
Habrosyne	scripta	A Moth	6235
Pseudothyatira	cymatophoroides	A Moth	6237
DREPANIDAE			
Drepana	arcuata	Arched Hooktip Moth	6251
Drepana	bilineata	A Hooktip Moth	6252
Oreta	rosea	Rose Hooktip Moth	6255
GEOMETRIDAE			
Anagoga	occiduaris	An Angle Moth	6836
Besma	endropiaria	An Angle Moth	6884
Biston	betularia	Pepper & salt Geometrid	6640
Campaea	perlata	Pale Beauty	6796
Caripeta	pinata	No. Pine Looper Moth	6864
Cepphis	armataria	A Scallop Moth	6835
Chlorochlamys	chloroleucaria	An Angle Moth	7071
Ecliptopera	silacea	An Angle Moth	7213
Ectropis	crepuscularia	Small Engrailed Moth	6597
Ennomos	subsignaria	Elm Spanworm Moth	6798
Epirrhoe	alternata	An Angle Moth	7394
Euchlaena	muzaria	An Angle Moth	6725
Euchlaena	tigrinaria	An Angle Moth	6737
Eufidonia	notataria	An Angle Moth	6638
Euphya	unangulata	An Angle Moth	7399
Eupithecia	cretacea	A Eupithecia Moth	7533
Eupithecia	spp.	A Eupithecia Moth	
Eutrapela	clemataria	An Angle Moth	6966
Gueneria	similaria	A Geometer Moth	6815
Heterophleps	refusaria	Three-patched bigwing	7645
Homochlodes	fritillaria	An Angle Moth	6812
Homochlodes	disconventra	An Angle Moth	6813
Hydrelia	inornata	An Angle Moth	7422
Hydriomena	renunciata	An Angle Moth	7236
Hypagyrtis	unipunctata	One-spotted Variant Moth	6654
Iridopsis	vellivolata	An Angle Moth	6582
Iridopsis	larvaria	An Angle Moth	6588
Lomographa	semiclarata	An Angle Moth	6666
Lomographa	vestaliata	White Spring Moth	6667
Macaria	aemulitaria	An Angle Moth	6326
Macaria	ulsterata	An Angle Moth	6330
Macaria	bicolorata	An Angle Moth	6341
Macaria	bisignata	An Angle Moth	6342
Macaria	signaria	An Angle Moth	6344
Macaria	pinistrobata	White Pine Angle Moth	6347
Melanolophia	canadaria	Canadian Melanolophia M	6620
Melanolophia	signataria	An Angle Moth	6621
Mesoleuca	ruficillata	An Angle Moth	7307
Metanema	inatomaria	An Angle Moth	6819
Metarranthus	duaria	Common Metarranthus M	6822
Metarranthus	hypochraria	A Metarranthus Moth	6826
Metarranthus	refractaria	A Metarranthus Moth	6827
Nemoria	mimosaria	An Angle Moth	7048

Orthofidonia	exornata	An Angle Moth	6429
Pero	morrisonaria	A Pero Moth	6755
Phaeoura	quernaria	An Angle Moth	6763
Plagodis	serinaria	An Angle Moth	6840
Plagodis	kuetzingi	An Angle Moth	6841
Plagodis	alcoolaria	An Angle Moth	6844
Probole	alienaria	An Angle Moth	6837
Protoarmia	porcelaria	Porcelain Gray Moth	6598
Rheumaptera	prunivorata	An Angle Moth	7292
Spargania	magnoliata	An Angle Moth	7312
Tetracis	crocallata	An Angle Moth	6963
Tetracis	cachexiata	An Angle Moth	6964
Trichodezia	albovittata	A Moth	7430
Venusia	sp.	A Moth	
Xanthorhoe	ferrugata	An Angle Moth	7388
Xanthorhoe	lacustrata	Toothed Brown Carpet Mo	7390

LASIOCAMPIDAE

Phyllodesma	americana	A Moth	7687
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SATURNIIDAE

Actias	luna	Luna Moth	7758
Anisota	virginiensis	A Saturnid Moth	7723
Dryocampa	rubicunda	A Saturnid Moth	7715

SPHINGIDAE

		Sphinx & Hawk Moths	
Ceratomia	undulosa	A Sphinx Moth	7787
Laothoe	juglandis	A Sphinx Moth	7827
Lapara	bombycoides	Northern Pine Sphinx Motl	7817
Pachysphinx	modesta	A Sphinx Moth	7828
Paonias	excaecatus	Blinded Sphinx Moth	7824
Paonias	myops	Small-eyed Sphinx Moth	7825
Smerinthus	cerisyi	One-eyed Sphinx	7822

NOTODONTIDAE

		Prominent Moths	
Dasylophia	thyatiroides	A Moth	7958
Gluphisia	septentrionis	Common Gluphisia Moth	7931
Heterocampa	guttivitta	A Moth	7994
Heterocampa	biundata	Wavy-lined Heterocampa	7995
Nadata	gibbosa	White-dot Prominent Moth	7915
Notodonta	scitipennis	A Moth	7925
Notodonta	simplaria	A Moth	7928
Peridea	basitriens	A Moth	7919
Peridea	angulosa	Angulose Prominent Moth	7920
Peridea	ferruginea	Chocolate Prominent Motr	7921
Pheosia	rimosa	A Moth	7922
Schizura	ipomoeae	A Moth	8005
Schizura	badia	A Moth	8006
Schizura	unicornis	A Moth	8007
Symmerista	leucitys	A Moth	7953

EREBIDAE

Chytolita	morbidalis	A Moth	8355
Grammia	virguncula	A Moth	8197
Hypena	baltimoralis	A Moth	8442
Hypena	palparia	A Moth	8444
Hypena	atomaria	A Moth	8450
Hyperstrotia	pervertens	A Moth	9037

Idia	americalis	A Moth	8322
Idia	aemula	A Moth	8323
Lascoria	ambigualis	A Moth	8393
Lophocampa	caryae	A Moth	8211
Palthis	angulalis	A Moth	8397
Pangrapta	decoralis	A Moth	8490
Parallelia	bistriaris	A Moth	8727
Phalaenophana	pyramusalis	A Moth	8338
Rivula	propinqualis	A Moth	8404
Spargaloma	sexpunctata	A Moth	8479
Spilosoma	congrua	A Moth	8134
Zale	minerea	A Moth	8697
Zale	unilineata	A Moth	8716
Zale	horrida	A Moth	8717
Zanclognatha	pedipilalis	A Moth	8348
Zanclognatha	cruralis	A Moth	8351
NOLIDAE			
Baileya	ophthalmica	A Moth	8970
Baileya	dormitans	A Moth	8971
Meganola	minuscula	A Moth	8983
NOCTUIDAE			
		Noctuid Moths	
"Orthodes"	goodelli	A Quaker Moth	10289
Acronicta	innotata	Unmarked Dagger Moth	9207
Acronicta	hasta	Speared Dagger Moth	9228
Acronicta	ovata	Ovate Dagger Moth	9243
Acronicta	haesitata	Hesitant Dagger Moth	9245
Acronicta	incretata	Unclear Dagger Moth	9249
Agriopodes	fallax	A Noctuid Moth	9281
Allagrapha	aerea	Unspotted Looper	8898
Apamea	vultuosa	An Ear Moth	9341
Apamea	unanimis	An Ear Moth	
Apamea	sordens	An Ear Moth	9364
Aplectoides	condita	A Noctuid Moth	10999
Autographa	precationis	Common Looper Moth	8908
Balsa	tristrigella	Three-lined Balsa Moth	9663
Balsa	labecula	A Balsa Moth	9664
Callopietria	mollissima	A Noctuid Moth	9631
Cerma	cerintha	A Noctuid Moth	9062
Charadra	deridens	A Noctuid Moth	9189
Chytonix	palliatricula	Cloaked Marvel Moth	9556
Colocasia	flavicornis	A Yellowhorn Moth	9186
Colocasia	propinquinella	Close-band Yellowhorn Moth	9187
Crocigrapha	normani	Norman's Quaker Moth	10501
Elaphria	festivoides	A Noctuid Moth	9681
Euplexia	benesimilis	American Angle Shades	9545
Hyppa	xylinoides	A Noctuid Moth	9578
Lacanobia	grandis	A Woodgrain Moth	10300
Lacinipolia	renigera	Bristly Cutworm Moth	10397
Leucania	phragmatidicola	A Noctuid Moth	10444
Leuconycta	diphtheroides	Green Leuconycta Moth	9065
Lithophane	sp.	A Noctuid Moth	
Morrisonia	latex	A Woodgrain Moth	10291
Mythimna	oxygala	A Noctuid Moth	10436

Noctua	pronuba	Large Yellow Underwing	11012
Ochropleura	implecta	Flame-shouldered Dart Moth	10891
Orthodes	cynica	Cynical Quaker Moth	10587
Panthea	furcilla	A Panthea Moth	9182
Phlogophora	iris	A Noctuid Moth	9546
Plusia	putnami	A Noctuid Moth	8926
Protodeltote	muscosula	A Noctuid Moth	9047
Protodeltote	albidula	A Noctuid Moth	9048
Protorthodes	oviduca	Ruddy Quaker Moth	10563
Raphia	frater	A Noctuid Moth	9193
Spiramater	lutra	A Noctuid Moth	10301
Xestia	c-nigrum	A Noctuid Moth	10942

MICROLEPIDOPTERA

OECOPHORIDAE

Antaeotricha	schlaegeri	A Leaf-tier Moth	1011
Bibarrambla	allenella	A Leaf-tier Moth	911
Psilocorsis	reflexella	A Leaf-tier Moth	957

SESIIDAE

Synanthedon	acerni	A Moth	2554
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TORTRICIDAE

Ancylis	nubeculana	A Leafroller Moth	3354
Ancylis	laciniana?	A Leafroller Moth	3366
Choristoneura	fractivittana	A Leafroller Moth	3632
Clepsis	persicana	A Leafroller Moth	3682
Clepsis	melaleucana	A Leafroller Moth	3686
Decodes	basiplagna	A Leafroller Moth	3573
Epinotia	sp.	A Leafroller Moth	33--
Eucosoma	sp.	A Leafroller Moth	30--
Eulia	ministrana	A Leafroller Moth	3565
Olethreutes	bipartitana	A Leafroller Moth	2848
Olethreutinae	sp.	A Leafroller Moth	
Olethreutinae	sp.	A Leafroller Moth	
Olethreutinae	sp.	A Leafroller Moth	
Platynota	idaeusalis	A Leafroller Moth	3740
Sparganothis	sp.	A Leafroller Moth	36--

LIMACODIDAE

Packardia	geminata	A Slug Caterpillar Moth	4659
Tortricidia	testacea	A Slug Caterpillar Moth	4652
Tortricidia	flexuosa	A Slug Caterpillar Moth	4654

PYRALIDAE

Palpita	magniferalis	A Pyralid Moth	5226
Parapoynx	maculalis	A Pyralid Moth	4759
Phlyctaenia	tertialis	A Pyralid Moth	4953
Phlyctaenia	quebecensis	A Pyralid Moth	4953
Tetralopha	asperatella	A Pyralid Moth	5606

186 spp. Total

Genus	species	Common name
Amphibia		AMPHIBIANS
Caudata		Salamanders
Salamandridae		Newts
Notopthalmus	viridescens	Red-spotted Newt
Ambystomatidae		Mole Salamanders
Ambystoma	maculatum	Spotted Salamander
Plethodontidae		Lungless Salamanders
Desmognathus	fuscus	Northern Dusky Salamander
Plethodon	cinereus	Red-backed Salamander
Anura		Frogs & Toads
Bufonidae		Toads
Anaxyrus	americanus	American Toad
Hylidae		Treefrogs
Hyla	versicolor	Gray Treefrog
Pseudacris	crucifer	Spring Peeper
Ranidae		Frogs
Lithobates	catesbiana	Bull Frog
Rana	clamitans	Green Frog
Rana	palustris	Pickerel Frog
Rana	pipiens	No. Leopard Frog
Rana	sylvatica	Wood Frog
Reptilia		REPTILES
Testudines		Turtles
Emydidae		Pond Turtles
Chrysemys	picta	Eastern Painted Turtle
Squamata		Snakes
Colubridae		Colubrid Snakes
Diadophis	punctatus	Ring-necked Snake
Thamnophis	sirtalis	Common Garter Snake

15 spp. Total

Genus	species	Common name
Aves		BIRDS
Anatidae		Waterfowl
Aix	sponsa	Wood Duck
Phasianidae		Gamebirds
Bonasa	umbellus	Ruffed Grouse
Ardeidae		Hérons
Ardea	herodias	Great Blue Heron
Accipitridae		Hawks & Eagles
Accipiter	gentils	Northern Goshawk
Buteo	platypterus	Broad-winged Hawk
Columbidae		Pigeons & Doves
Zenaida	macroura	Mourning Dove
Cuculidae		Cuckoos
Coccyzus	erythrophthalmus	Black-billed Cuckoo
Strigidae		Owls
Strix	varia	Barred Owl
Trochilidae		Hummingbirds
Archilochus	colubris	Ruby-thrt. Hummingbird
Picidae		Woodpeckers
Picoides	pubescens	Downy Woodpecker
Sphyrapicus	varius	Yellow-bellied Sapsucker
Colaptes	auritus	Northern Flicker
Dryocopus	pileatus	Pileated Woodpecker
Tyrannidae		Tyrant Flycatchers
Contopus	virens	Eastern Wood Pewee
Empidonax	alorum	Alder Flycatcher
Empidonax	minimus	Least Flycatcher
Sayornis	phoebe	Eastern Phoebe
Myiarchus	crinitus	Great Crested Flycatcher
Vireonidae		Vireos
Vireo	flavifrons	Yellow-throated Vireo
Vireo	solitarius	Blue-headed Vireo
Vireo	olivaceus	Red-eyed Vireo
Corvidae		Corvids
Cyanocitta	cristata	Blue Jay
Corvus	brachyrhynchus	American Crow
Hirundinidae		Swallows
Tachycineta	bicolor	Tree Swallow
Paridae		Titmice
Poecile	atricapillus	Black-capped Chickadee
Baeolophus	bicolor	Tufted Titmouse
Sittidae		Nuthatches
Sitta	canadensis	Red-breasted Nuthatch
Sitta	carolinensis	White-breasted Nuthatch
Certhiidae		Creepers
Certhia	americana	Brown Creeper
Regulidae		New World Warblers
Regulus	satrapa	Golden-crowned Kinglet
Turdidae		Thrushes
Catharus	fuscescens	Veery
Catharus	guttatus	Hermit Thrush

Hylocichla	mustelina	Wood Thrush
Turdus	migratorius	American Robin
Mimidae		Mimids
Dumetella	carolinensis	Gray Catbird
Bombycillidae		Waxwings
Bombycilla	cedrorum	Cedar Waxwing
Parulidae		American Warblers
Dendroica	caerulescens	Black-throated Blue Warbler
Dendroica	coronata	Yellow-rumped Warbler
Dendroica	fusca	Blackburnian Warbler
Dendroica	magnolia	Magnolia Warbler
Dendroica	petechia	Yellow Warbler
Dendroica	pensylvanica	Chestnut-sided Warbler
Dendroica	pinus	Pine Warbler
Dendroica	virens	Black-throated Green Warbler
Mniotilta	varia	Black-and-white Warbler
Oporornis	philadelphia	Mourning Warbler
Parkesia	motacilla	Louisiana Waterthrush
Parula	americana	Northern Parula
Setophaga	ruticilla	American Redstart
Seiurus	aurocapillus	Ovenbird
Geothlypis	trichas	Common Yellowthroat
Thraupidae		Tanagers
Piranga	olivacea	Scarlet Tanager
Emberizidae		American Sparrows
Pipilo	erythrophthalmus	Eastern Towhee
Spizella	passerina	Chipping Sparrow
Junco	hyemalis	Dark-eyed Junco
Melospiza	melodia	Song Sparrow
Melospiza	georgiana	Swamp Sparrow
Cardinalidae		Cardinal Grosbeaks
Cardinalis	cardinalis	Northern (Red) Cardinal
Pheucticus	ludovicianus	Rose-breasted Grosbeak
Icteridae		Icterids
Agelaius	phoeniceus	Red-winged Blackbird
Quiscalus	quiscula	Common Grackle
Molothrus	ater	Brown-headed Cowbird
Icterus	galbula	Baltimore Oriole
Fringillidae		Finches
Carduelis	tristis	American Goldfinch
Carpodacus	purpureus	Purple Finch

65 spp. Total

Genus	species	Common name
Mammalia		MAMMALS
Insectivora		Insectivores
Soricidae		Shrews
Sorex	cinereus	Masked Shrew
Talpidae		Moles
Parascalops	breweri	Hairy-tailed Mole
Chiroptera		Bats
Vespertilionidae		Vesper Bats
Eptesicus	fuscus	Big Brown Bat
Lasionycteris	noctivagans	Silver-haired Bat
Lasiurus	cinereus	Hoary Bat
Myotis	lucifugus	Little Brown Bat
Rodentia		Rodents
Tamias	striatus	Eastern Chipmunk
Castoridae		Beavers
Castor	canadensis	Canadian Beaver
Cricetidae		NW Mice & Rats
Clethrionomys	gapperi	Boreal Red-backed Vole
Microtus	pennsylvanicus	Meadow Vole
Peromyscus	sp.	Deer Mouse
Carnivora		Carnivores
Canidae		Canids
Canis	latrans	Coyote
Urocyon	cinereoargenteus	Grey Fox
Vulpes	vulpes	Red Fox
Ursidae		Bears
Ursus	americanus	Black Bear
Procyonidae		Raccoons
Procyon	lotor	Northern Raccoon
Artiodactyla		Even-toed Ungulates
Cervidae		Deer
Odocoileus	virginianus	White-tailed Deer

17 spp. Total

KEY EXPERTS

Name	Specialty	Institutional Affiliation
Amanda Benoit	mammals	Rensselaer County, NY
Chris Collins	mammals	SUNY Albany / NY State Museum
Robert Dirig	vascular plants, insects, lichens	Cornell University
Tom French	mollusks	Mass Fish & Wildlife
Mike Gramacki	insects, mammals, herps, birds	MCLA
Doug Greene	lichens	Harvard University
Kyron Hanson	birds	Hoffmann Bird Club
Gael Hurley	birds	Hoffmann Bird Club
Chuck Johnson	birds	Hoffmann Bird Club
Carrie Jones	birds	Hoffmann Bird Club
Drew Jones	herps, bats	Williams College
Matt Kelly	birds	Hoffmann Bird Club
Walter Kittredge	vascular plants	Harvard University
Scott LaGreca	lichens	Berkshire Museum
James Lendemer	lichens	New York Botanical Garden
Roz Lowen	fungi	Connecticut
Mark Mello	moths, butterflies, beetles	Lloyd Center for the Environment
Noreen Mole	birds	Hoffmann Bird Club
Tom Phillips	bryophytes	Nassau Veterinary Clinic
Jonathan Pierce	all groups	Massachusetts
Lisa Provencher	insects	MCLA
Daniel Shustack	birds	MCLA
Nancy Slack	bryophytes	Russell Sage College
Jeremy Smith	insects, mammals, herps, birds	MCLA
Lloyd Stark	bryophytes	University of Nevada, Las Vegas
Littlefoot Taliaferro	mammals	Maine
Tom Tynning	herps	BCC
Claudia Knab-Vispo	vascular plants	Hawthorne Valley
Conrad Vispo	mammals	Hawthorne Valley
Rene Wendell	all groups	TTOR
John Wheeler	fungi	Berkshire Mycological Society
Sue Williams	bryophytes	Shelburne Falls, MA

REFERENCES

Laubach, R. 1992. A Guide to Natural Places in the Berkshire Hills. Berkshire House Publishers. 260 pp.

Weatherbee, P. 1996. Flora of Berkshire County, Massachusetts. Berkshire Museum. 123+ pp.



Schoolchildren examining pond water with Berkshire Museum Public Program Manager Craig Langlois