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FUNGI/MUSHROOMS 226 species

Roughly follows Mushrooms of Northeastern North America,
Bessette, Bessette and Fischer (BB&F), Syracuse U. Press, 1997.
Chief reporters:
NP = Noble Proctor of Connecticut;
BMC = Boston Mycological Club: (2, 3 and 4BMC = # of areas seen in)
George Riner, Wilbur & Vivian Walworths, and.....
(PA) = Peter Alden suggested modifier or group name invented when no English name found in BB&F, the Peterson or Audubon mushroom guides.

Split Gills		**2 species**
Plicaturopsis crispa	Crimped Gill Fungus	NP
Schizophyllum commune	Common Split Gill	NP
Chanterelles & Allies		**4 species**
Cantharellus cibarius	(Golden, Common) Chantarelle	NP
C. cinnabarinus	Cinnabar-red Chantarelle	CT4, 3BMC, NP
C. ignicolor	Flame-colored Chanterelle	NP
Craterellus fallax	Black Trumpet	NP
Gilled Mushrooms		**98 species**
NO Agaricus reported		
Agrocybe acericola	Maple Agrocybe	NP
A. praecox	Spring Agrocybe	NP
Amanita brunnescens	Cleft-foot Amanita	2BMC, NP
A. cirina	Citron Amanita	NP
A. flavoconia	Yellow Patches (Amanita)	4BMC
A. frostiana	Frost's Amanita	BMC, NP
A. fulva	Tawny Grisette (Amanita)	BMC, NP
A. muscaria	Yellow-orange Fly Agaric	CT4, BMC, NP
A. pantherina	Panther Amanita	BMC, NP
A. rubescens	Blusher Amanita	2BMC, NP
A. spreta	Hated Amanita	BMC, NP
A. vaginata	Common Grisette	NP
A. verna	Fool's Amanita	NP
A. virosa	Destroying Angel	PA, PM
A. volvata	Volvate Amanita	NP
Armillaria mellea	Honey Mushroom	NP
Cantharellula umbonata	Grayling Mushroom	NP
Clitocybe clavipes	Fat-footed Clitocybe	NP
C. geotropa	_____Clitocybe	NP
C. suaveolens	Fragrant Clitocybe	BMC
Clitopilus prunulus	Sweetbread Mushroom	BMC, NP
Collybia alkalivirens	Little Brown Collybia	NP
C. dryophila	Oak-loving Collybia	BMC, NP
C. tuberosa	Tuberous Collybia	NP
Coprinus micaceus	Mica Cap	NP
C. plicatilis	Japanese Umbrella Inky	BMC
Cortinarius cinnamomeus	Cinnamon Cort (PA)	NP
Crepidotus applantus	Flat Crep	BMC, NP
C. mollis	Jelly Crep/Soft Stumpfoot	NP

Enteloma abortivum	Abortive Enteloma	NP
E. conicum	_____ Enteloma	NP
E. murraii	Yellow Unicorn Enteloma	NP
E. salmoneum	Salmon Unicorn Enteloma	NP
E. sinuatum	Lead Poisoner Enteloma	BMC, NP
Galerina autumnalis	Deadly Galerina	NP
Gymnopilus luteus	_____ Gym	NP
G. penetrans	Little Gym	NP
Hebeloma crustuliniforme	Poison Pie	NP
Hygrophoropsis aurantiaca	_____ False Chantarelle	BMC
Hygrophorus coccineus	Scarlet Waxy-cap	NP
H. conicus	Witch's Hat	NP
H. marginatus	Orange-gilled Waxy-cap	NP
H. miniatus	Fading Scarlet Waxy-cap	NP
Inocybe geophylla	White Fiber-head	NP
I. lacera	Torn Fiber-head	NP
I. rimosa	Straw-colored Fiber-head	NP
Laccaria amethystina	Amethyst Tallow-gill	2BMC, NP
L. laccata	Deceiver Laccaria	BMC, NP
L. ochropurpurea	Purple-gilled Laccaria	NP
Lactarius camphoratuus	Aromatic Milky	NP
L. corrugis	Corrugated-cap Milky	BMC, CT4
L. hygrophoroides	Hygrophorus Milky	BMC, NP
L. rufus	Red-hot Milky	NP
L. subserifluus	_____ Milky	NP
L. vinaceorufescens	Yellow Latex Milky	NP
L. volemus	Voluminous-latex Milky	NP
Lentinus strigosus (Panus rudis)	Ruddy Panus	NP
Lycophyllum decastes	Fried Chicken Mushroom	NP
Marasmiellus nigripes	Black-footed Marasmus	NP
Marasmius cohaerens	Fused Mushroom	NP
M. delectans	_____ Mushroom	NP
M. oreades	Fairy Ring Mushroom	NP
M. rotula	Pin-wheel Marasmius	NP
M. scorodonius	Garlic Mushroom	BMC, NP
Megacollybia platyphylla	Platterful (Broad-gill) Mushroom	4BMC, NP
Micromphale foetidum	Fetid Marasmius/Stinking Pinwheel	NP
Mycena alcalina	Stump Fairy Mushroom	NP
M. epipterygia	Yellow-stalked Fairy-helmet	NP
M. galericulata	Rosy-gill Fairy-helmet	NP
M. haematopus	Bleeding Mycena	NP
M. inclinata	_____ Mycena	NP
M. leaiana	Orange Mycena	NP
M. pura	Pink Mycena	NP
Panellus stipticus	Luminescent Panellus	NP
Paxillus atrotomentosus	Velvet-footed Pax	BMC, NP
Pleurocybella (Pleurotus) porrigens	Angel-wing Mushroom	NP
Pleurotus ostreatus	Oyster Mushroom	NP
Pluteus atromarginatus	Black-edged Pluteus	NP
P. cervinus	Fawn (Deer) Mushroom	NP
Psathyrella septentrionalis	Cluster Crumble-cap	NP
Resinomycena rhododendri	Sticky Mushroom (PA)	NP
Resupinatus applicatus	Black Jelly Oyster Mushroom	NP

Rickenella fibula	Orange Moss "Agaric"	NP
Rozites caperata	Gypsy Nightcap	NP
Russula compacta	Firm Russula	NP
R. crustosa	Green Quilt Russula	NP
R. emetica	Emetic Russula (Brittle-gill)	NP
R. fragilis	Fragile Russula	NP
R. krombholzii (atropurpurea)	Blackish-red Russula	NP
R. mariae	Purple-bloom Russula	BMC, NP
R. rosea	Rosy Russula	BMC, NP
R. silvicola	Dry Woods Russula (PA)	NP
R. variata	Variegated Russula (Brittle-gill)	BMC, NP
R. virescens	Green Russula (Brittle-gill)	NP
Tectella patellaris	Veiled Panus	NP
Tricholomopsis rutilans	Plums-and-custard	NP
Xeromphalina campanella	Fuzzy-foot	NP
Xerula furfuracea	Rooted Collybia	NP
Boletes		**29 species**
Boletellus chrysenteroides	_____ Bolete	BMC
Boletus affinis var. maculata	Spotted Bolete	BMC, NP
Boletus auriporus	_____ Bolete	NP
B. badius	Bay Bolete	NP
B. bicolor	Red-and-yellow Bolete	BMC, NP
B. chrysenteron	Red-cracked Bolete	BMC, NP
B. edulis	King Bolete (Porcini)	CT4, BMC, NP
B. impolitus	_____ Bolete	NP
B. ornatipes	Ornate-stalked Bolete	NP
B. pallidus	Pallid Bolete (PA)	NP
B. piperatus	Pepper Bolete	NP
B. rubellus	Oak-and-beech Bolete (PA)	BMC
B. rufocinnamomeus	_____ Bolete	NP
B. subvelutipes	Red-mouth Bolete	3BMC, NP
Gyrodon merulioides	Ash-tree Bolete	2BMC
Gyroporus castaneus	Chestnut Bolete	4BMC, NP
Leccinum aurantiacum	Orange-capped Scaber-stalk	NP
L. scabrum	Birch Scaber-stalk	NP
Phylloporus rhodoxanthus	Gilled Bolete	NP
Stribilomyces confusus	Small-cap Old Man-of-the-woods	NP
Suillus americanus	American Slippery-cap	NP
S. granulatus	Granulated Slippery-cap	3BMC
S. pictus	Painted Suillus	BMC, NP
Tylopilus alboater	Black Velvet Bolete	NP
T. badiceps	_____ Bolete	NP
T. chromapes	Chrome-footed Bolete	NP
T. eximius	Lilac-brown Bolete	NP
T. felleus	Bitter Bolete	NP
T. rubrobrunneus	_____ Bolete	NP
Polypores (PA: listed A-Z by genus; BB&F has 10 subgroups)		**34 sp.**
Bjerkandera adusta	Smoky Polypore	NP
Cerrena unicolor	Mossy Maze Polypore	BMC, NP
Coltricia cinnamomea	Shiny Cinnamon Polypore	2BMC, NP
C. perennis	After-burn Polypore (PA)	NP
Cryptoporus volvatus	Veiled Polypore	NP
Daedalea quercina	Thick-maze Oak Polypore	NP

Daedaleopsis confragosa	Thin-maze Flat Polypore	NP
Fomes fomentarius	Tinder Polypore	BMC, NP
Hapalopilus nidulans	Tender Nesting Polypore	NP
Heterobasidion annosum (Fomes anosus)	Conifer-base Polypore (PA)	NP
Ganoderma applanatum	Artist's Fungus (Conk)	BMC, NP
G. tsugae	Hemlock Varnish-shelf	NP
Gleophyllum sepiarium	Yellow-red Gill Polypore	NP
Irpex lacteus	Milk-white Toothed-Polypore	NP
Laetiporus sulphureus	Sulphur Shelf (Chicken Mushroom)	BMC, NP, PA, E.O. Wilson
Lenzites betulina	Multicolor Gill Polypore	NP
Meriplus sumstinei	Black-staining Polypore	*

* A huge cauliflower -like mass with a diameter of at least the 16" diameter listed as a max in BB&F was brought to the Harrington's evening gathering. Noble Proctor suggested it was *Meriplus giganteus* of ?Eurasia, which is incorrectly listed in place of M. sumsteinei in many US Mushroom field guides. Taxonomic adjustments are a nightmare in most groups.

Oxyporus populinaus	Mossy Maple Polypore	BMC, NP
Phaeolus schweinitzii	Dye Polypore	NP
Phellinus gilvus	Mustard-yellow Polypore	NP
P. igniarius	Flecked-flesh Polypore	NP
Piptoporus betulinus	Birch Polypore	BMC, NP
Polyporus arcularis	Spring Polypore	NP
P. badius	Black-footed Polypore	NP
P. elegans (varius)	Elegant Polypore	NP
P. mori (Favolus alveolaris)	Hexagonal-pored Polypore	BMC, NP
P. radicatus	Rooting Polypore	NP
P. squamosus	Pheasant Polypore	BMC
Poria spissa	Orange Poria	NP
Trametes (Polyporus, Coriolus) hirsuta	_____ Turkey-tail	NP
T. (P., C.) versicolor	_____ Turkey-tail	2BMC, NP
Trichaptum abietinum	Conifer Polypore (PA)	NP
T. biforme	Violet Toothed-Polypore	BMC, NP
Tyromyces chioneus	White Cheese Polypore	NP
Tooth Fungi		**3 species**
Climacodon septentrionale	Northern Footh Fungus	NP
Hydnochaete olivaceum	Brown-toothed Crust	BMC, NP
Hydnum repandum	Sweet Tooth Hedgehog Fungus	BMC
Branched & Clustered Coral Fungi		**5 species**
Clavaria vermicularis	White Worm Coral Fungus	NP
Clavicorona pyxidata	Crown-tipped Coral Fungus	NP
Clavulina cristata	Crested Coral Fungus	3BMC, NP
Ramaria (Clavaria) concolor	Straight-branch Coral Fungus (PA)	NP
R. formosa	Yellow-tipped Coral Fungus	NP
Jelly Fungi		**8 species**
Calocera cornea	Club-like Tuning Fork	NP
Dacrymyces palmatus	Orange Jelly (Witches' Butter)	NP
Exidia glandulosa	Black Jelly Roll	NP
E. nucleata	Granular Jelly Roll	NP
Syzygospora mycetophila	Collybia Jelly	BMC
Tremella foliacea	Jelly Leaf	NP
T. lutescens	Yellow Witches' Butter	NP
Tremellodendron pallidum	Jellied False Coral Fungus	BMC, NP

Crust and Parchment Fungi		**7 species**
Chondrostereum purpureum	Silver-leaf Fungus	NP
Hymenochaete tabacina	Northern Brown Crust (PA)	NP
Laxitextum bicolor	Two-tone Parchment	NP
Stereum complicatum	Crowded Parchment	NP
S. hirsutum	Hairy Parchment	NP
S. ostrea	False Turkey-tail	BMC, NP
Xylobalus fustulatus	Ceramic Parchment	NP
Puffballs, Earthstars & Allies		**5 species**
Astreus hygrometricus	Barometer Earthstar	BMC
Lycoperdon perlatum (gemmatum)	Gem-studded Puffball	BMC, NP
L. pyriforme	Pear-shaped Puffball	BMC, NP
Scleroderma citrinum	Pigskin Poison* Puffball	BMC, NP

PA: Why isn't Poison in the English name of all poisonous mushrooms?

Stinkhorns		**1 species**
Pseudocolus fusiformis	Stinky Squid Fungus	BMC
Bird's-nest Fungi		**1 species**
Crucibulum laeve	White-egg Bird's-nest Fungus	NP

Morels & Allies PA: none reported, common a month earlier.

Cup & Saucer Fungi		**13 species**
Ascocoryne sarcoides	Purple Jelly Drops	NP
Bisporella citrina	Yellow Fairy Cups	NP
Chlorociboria aeruginascens	Blue-green Stain	BMC, NPC
Chlorosplenium chlora?	Yellow Stain (PA)	BMC, NP
Dasycyphus virgineus	Stalked Hairy Fairy Cup	NP
Galiella rufa	Hairy Rubber Cup	NP
Melastiza charteri	Orange False Eyelash Cup	NP
Peziza badia	Yellow Ear Cup	NP
P. phyllogena (badio-confusa)	Common Brown Cup	NP
Rhytisma acerinum	Tar Spot of Maple	NP
Scutellinia erinaceus	Orange Eyelash Cup	NP
S. scutellata	Reddish Eyelash Cup (PA)	BMC
Tarzetta catinus	_____ Cup	NP
Earth Tongues & Allies		**2 species**
Phaeocalicium polyporaeum	Black Matchstick Fungus (PA)	NP
Trichoglossum hirsutum	Velvety Earth-tongue	NP
Flask Fungi & Allies		**7 species**
Apiosporina morbosa	Black Knot of Cherry	NP
Creopus (Hypocrea) gelatinosus	Yellow Cushion Hypocrea	NP
Daldinia concentrica	Carbon Balls	NP
Hypoxylon fragiforme	Red Cushion Fungi	NP
Nectria cinnabarina	Coral Spot Fungus	NP
Ustilina deusta	Carbon Cushion	NP
Xylaria polymorpha	Dead Man's Fingers	NP
Hyper-parasite Fungi		**1 species**
Hypomyces chrysospermus	Bolete Mold	2BMC, NP

Slime Molds **(by Noble Proctor)** **16 species**

Acryia cinerea	Fuligo septica	**Physarum** polycephalum
A. denudata	**Hemitrichia** calyculata	P. viride
Brefeldia maxima	H. serpula	**Stemonitis** fusca
Ceratorium fruticulosa*(vars flexuosa & poroides)		S. splendens
Dictydium cancellatum	Leocarpus fragilis	Trichia scabra
Didymium iridis	Lycogala epidendrum	

FRESHWATER ALGAE — 13 species

Note: Genera only; not examined to species level; w/o microscopic forms. Mostly by Noble Proctor of CT; No English names.

Amphizomenon
Batrachospermum
Chaetophora
Chara (Walden divers ?)
Melosira
Oedognium
Pleurococcus
Spirogyra
Trebouxia
Trentipohilia
Tribonema
Vaucheria
Zygnema

LICHENS — 109 species

Note: Identified and reported chiefly by Elizabeth Kneiper and Phil May. Sequence is A-Z by scientific name; not by crustose, foliose or fruticose life form. English names a new issue: those given gathered from 3 sources. Surface upon which living has been noted by E. Kneiper in report.

Acarospora fuscata	Chip Lichen	boulder, rock wall
A. glaucocarpa	_____ Cracked Lichen	discarded mortar
Amandinea punctata	Gray Stipple Lichen	bark
Anisomeridium nyssigenum	_____ Lichen	birch bark
Arthonia caesia	Code (Dot) Lichen	ash trunk
Aspicilia caesiocinerea	_____ Rim Lichen	boulder, rock wall
A. cinerea	Ashen Stud Lichen	boulder, rock wall
Bacidina inundata	_____ Lichen	cement in wall
Buellia polyspora	_____ Disk Lichen	aspen
B. stillingiana	_____ Disk Lichen	aspen
Caloplaca arenaria	_Orange Lichen (Fire Dots)	marble tombstones
C. cerina	Amber Lichen	marble tombstones
C. citrina	Mortar Lichen	marble tombstones
C. feracissima	_Orange Lichen (Fire Dots)	cement in wall
C. flavovirescens	_Orange Lichen (Fire Dots)	cement in wall
Candelaria concolor	____ Lemon Lichen	maple trunks, tombst.
Candelariella aureola	____ Egg (Yolk) Lichen	tombstone
C. efflorescens	____ Egg (Yolk) Lichen	aspen, maple
Cladina arbuscula	_ Reindeer Lichen (ex Moss)	sandy soil
C. rangiferina	_ Reindeer Lichen (ex Moss)	sandy soil
C. subtenuis	_ Reindeer Lichen (ex Moss)	sandy soil
Cladonia atlantica	_____ Cladonia	sandy soil
C. caespiticia	Bank Lichen	soil, lignin
C. coniocraea	Powder Horn Lichen	shady grass
C. cristatella	__ Red-crest Lichen (Brit. Soldiers)	sand, lignin
C. cylindrica	_____ Cladonia	old lignin
C. floerkeana	_____ Cladonia	sandy soil
C. furcata	Forked Shrublet Lichen	sandy soil, in lawn
C. gracilis	_____ Cladonia	sandy soil
C. grayi	_____ Cladonia	sandy soil, boulder
C. macilenta var.?	White Pin Lichen	sandy soil, lignin
C. macilenta var. bacillaris	Smaller Pin Lichen	sandy soil, lignin - 0
C. ochroclora	_____ Cladonia	lawn
C. pleurota	Red-tipped Goblet Lichen	sandy soil
C. rei	_____ Cladonia	sandy soil, lignin

Lichens (cont.)

Cladonia (cont.) sobolescens	_____ Cladonia	sandy soil
C. unicialis	Thorn Lichen	moss bank
Dibaeis baeomyces	Pink Earth Lichen	sandy soil
Dimelaena oriena	Mountain Stud Lichen	boulders, granite tomb.
Endocarpon pusillum	_____ Lichen	wall mortar
Evernia mesomorpha	Flabby (Antler) Lichen	base of aspen
Flavoparmelia baltimorensis	__ Yellow Shield	granite tombstones
F. caperata	Wrinkled Shield Lichen	various trees
Fuscidea arboricola	_____ Lichen	various trees
Graphis scripta	_____ Script Lichen	tree bark
Hypocenomyces scalaris	___ Coccle-shell Lichen	pine, maple
Hypogymnia physoides	Puffed Shield Lichen	bark, rocks, tombstones
Imshaugia aleurites	Grizzly Shield Lichen	pine bark
Lecanora dispersa	_____ Lichen	marble tomb., mortar
L. hybocarpa	_____ Lichen	aspen
L. pulicaris	_____ Lichen	bark
L. strobilina	_____ Lichen	bark
L. symmicta	Fused Stud Lichen	bark
L. thysanophora	_____ Lichen	bark
Leparia caesioalba	____ Zoned Lichen	rock wall
L. neglecta	____ Zoned Lichen	rock wall
Leparia, species	____ Zoned Lichen	bark, rock
Melanelia subaurifera	__ Camouflage Lichen	var. trees, tomb.
Micarea erratica	Rock Tar Lichen	pebbles, tombstones
M. prasina	Leek Lichen	weatered log
Ochrolechia androgyna	_____ Lichen	granite tombstones
O. arborea	_____ Lichen	var. tree bark
Parmelia rudecta	_____ Shield Lichen	-- noted by CT 4
P. saxatilis	_____ Shield Lichen	rock walls, tombs.
P. squarrosa	_____ Shield Lichen	oak bark
Parmelia (continued) sulcata	_____ Shield Lichen	aspen, var. trees
Peltigera didactyla	_____ Lichen	soil
Phaeocalicium polyporaeum	Polypore Lichen	old polypore fungi
Phaeophyscia adiastola	_____ Lichen	tombstones
P. rubropulchra	____ Wreath Lichen	var. trees
Physcia adscendens	____ Rosette Lichen	marble tombstones
P. millegrana	____ Rosette Lichen	tree bark, tombstones
P. stellaris	____ Rosette Lichen	bark of var. trees
P. subtilis	____ Rosette Lichen	tombstones
P. tenella	____ Rosette Lichen	tombstones
Physciella chloantha	____ Cryptic Rosette	marble tombstones
Placynthiella icmalea	_____ Lichen	lignin, woody polypore
P. oligotropha	_____ Lichen	soil
P. uliginosa	Tar Lichen	sandy soil
Polysporina simplex	_____ Lichen	tombstone base
Porpidia crustulata	_____ Lichen	boulder
Psilolechia lucida	Yellow Bead Lichen	rock wall
Punctelia rudecta	Rough Shield Lichen	rock, bark, tombstones
Pyrrhospora varians	Variable Bead Lichen	aspen, ash
Rhizocarpon hochstetteri	_____ Map Lichen	rocks
R. obscuratum	Small Toad Lichen	boulder
R. rubescens	_____ Lichen	?

Lichens (cont.)

Rhizoplaca subdiscrpans	_Rimmed Naval Lichen	tombstones
Rimularia gibbosa	_____ Lichen	rocks
Rinodina milliaria	__ Persian Lambskin Lichen	bark of var. trees
R. subminuta	__ Persian Lambskin Lichen	bark of var. trees
Ropalospora chlorantha	_____ Lichen	bark
R. viridis	_____ Lichen	bark
Sarcogyne clavus	Rock Button	sandstone
S. privigna	_____ Lichen	old mortar
Scoliciosporum chlorococcum	Green Needle Lichen	aspen
Strangospora moriformis	_____ Lichen	pitch pine bark
Thelidium decipiens	_____ Lichen	old mortar
Trapelia involuta	_____ Lichen	pebbles
T. placodiodes	_____ Lichen	boulders in wall
Trapeliopsis flexuosa	Board Lichen	lignin, pine bark scales
T. granulosa	Gray Earth Lichen	soil
T. viridescens	Green Smear Lichen	old log
Tuckermannopsis fendleri	Fendler's Shield Lichen	pitch pine
Usnea, species	_____Usnea Lichen	bark
Verrucaria muralis	_____ Lichen	old mortar
V. species	_____ Lichen	rock wall
Xanthoparmelia angustiphylla	_____ Lichen	rock wall
X. conspersa	_____ Boulder Lichen	rock wall, tombstones
X. somloensis	_____ Lichen	rock wall

MOSSES — 65 species

Note: Main list for Concord/Lincoln area created by Ray Abair (RA). Hard-to-find info on where each grows was modified from longer notes provided w/ Ray Abair's 40 species list. The team of Noble Proctor (NP), Wayne Petersen, Dotsie Long, and Kathleen Anderson noted 43 species. Several teams noted the Goldilocks/Haircap Moss and the White Cushion Moss.

(who? = ticked with blue ink pen circle, on sheets; other workers?)

Amblystegium varium ?	_____ Moss	many habs.
Andreaea rupestris	_____ Moss	
Anomodon attenuatus	_____ Moss	base of trees; who?
A. rostratus	_____ Moss	base of trees; who?
Atrichium angustatum or undulatum	____ Spine-leaf Moss	humic moist shade
A. crispum	_____ Moss	
Aulacomnium palustre	_____ Moss	most swamps
Bartramia pomiformis	Apple Moss	moist shaded rocks/soil
Brachythecium reflexum	_____ Moss	
Bryum argenteum	Silver Moss	dry, disturbed sites
Buxbaumia aphylla	Elf Cap Moss	shaded soilbanks
Calicladium haldanianum	_____ Moss	rotten logs, stumps
Ceratodon purpureus	Burned-ground (Roof-top) Moss	dry open sterile
Climacium americanum	_____ Tree Moss	shady swamps
C. dendroides	_____ Tree Moss	
Dicranella heteromalla	Silky Fork Moss	Soil of shaded banks
Dicranum flagellare	_____ Moss	var. of habitats
D. montanum	_____ Moss	base of trees
D. polysatum	_____ Moss	who?
D. scoparium	Broom Moss	
Diphyscium foliosum	Nut Moss	shaded soil banks

Mosses (cont.)

Ditrichum pallidum	_____ Moss	dry open,part-shade soils
Eutodon seductric	_____ Moss	who ?
Fissidens adiantoides	Water Fern Moss	
Fontinalis antipyretica	____ Water Moss	var., also below streams
Funaria hygrometrica	Cord Moss	disturbed habitats
Grimmia, species	Rock Moss	who ?
Hedwigia cilata	White-tipped Moss	rocks in dry open woods
Helodium paludosum	_____Moss	wet grassy pastures
Herzogiella striatella	_____Moss	moist/wet tree bases
Hypnum imponens	____Feather Moss	rotten logs, rocks
H. pallescens var. pallescens	__ Feather Moss	base of trees
Leucobryum glaucum	White Cushion Moss	humus of moist forest
Mnium homum	Forest Star Moss	moist soil, rocks.
M. marginata	_____ Star Moss	
Neckera pennata	Feather Moss	
Orthotrichum sordidum	_____Moss	hardwood trunks
Philonotis fontana	_____Moss	on soil, wet seeps
Physcomitium pyroforme	_____ Urn Moss	wet, disturbed soils
Plagiomnium cuspidatum (+ cilare?)	____ Moss	wet shady sites
Plagiothecium denticulatum	____ Slender Moss	wet habitats
Platygyrium repens	_____Moss	on bark
Pleurozium schreberi	Big Red-stem Moss	wet/dry humus/soil
Pogonatum pensilvanicum	False Haircap Moss	new open clay or soil
Pohlia nutans	_____Moss	stumps, logs, tree base
Polytrichum commune	Goldilocks Haircap Moss	most moist habitat
P. juniperinum	Juniper Hair-cap Moss	dry woods, pastures
P. ohioensis	_____ Haircap Moss	
P. piliferum	_____ Haircap Moss	dry open disturbed sites
Pottia truncata	_____Moss	
Rhizomnium punctatum	_____Moss	
Sphagnum cuspidatum	___ Sphagnum Moss (Peat)	bogs, shaded swamps
S. fallax	___ Sphagnum Moss (Peat)	bogs, shaded swamps
S. palustre	___ Sphagnum Moss (Peat)	bogs, shaded swamps
S. russowi	___ Sphagnum Moss (Peat)	bogs, shaded swamps
S. squarrosum	___ Sphagnum Moss (Peat)	bogs, shaded swamps
S. tenellum	___ Sphagnum Moss (Peat)	bogs, shaded swamps
Tetraphis pellucida	Four-toothed Moss	rotten stumps
Thelia hirtella	_____ Moss	on trees
Thuidium delicatulum	Delicate Fern Moss	moist base of trees
T. recognitum	_____ Fern Moss	
Tortula ruralis	Wall Twisted Moss	
Ulota crispa	_____ Moss	on trees
U. hutchinsiae	_____ Moss	on rocks
Weissia controversa	_____ Moss	on rocks, disturbed soil

LIVERWORTS (mostly by Noble Proctor) **13 species**

Bazzania trilobata (Braided Liverwort); Calypogeia, species; Cephalozia bicuspidata **Frullania** oakesiana and F. species); Lophocolea, species; Marchantia polymorpha (Lung (Common) Liverwort) (SC); Nowellia curvifolia; Pallavicinia lyellii (Common Scale Liverwort); Porella platyphylla (Porella Liverwort); Ptilidium ciliare; Scapania nemorosa (Common Scaponia Liverwort).

HIGHER PLANTS of Concord & Lincoln, Mass.

 p 11

Includes only those species recorded on Biodiversity Day, July 4, 1998

adapted from state list on Internet by Peter Alden, August 7, 1998;

Sequence of families within 6 groupings:

1) Fern Allies	**(in taxonomic sequence*)**	**7 species**	**p 11**
2) Ferns	**(A-Z by scientific fam. name)**	**21 species**	**p 11-12**
3) Gynosperms (conifers; all woody)	**(A-Z by scientific fam. name)**	**10 sp. (+ 9 planted)**	**p 12**
4) Woody Dicots (broad-leafs)	**(in taxonomic sequence*)**	**132 sp. (+ 52 planted)**	**p 13-17**
5) Herbaceous Dicots (wildflowers)	**(in taxonomic sequence*)**	**365 sp. (+ 7 planted)**	**p 18-26**
6) Monocots (none woody, ex. Yucca)	**(in taxonomic sequence*)**	**181 species**	**p 27-30**

TOTAL of Higher (Vascular) Plants = 716 species (plus 68 planted (chiefly woody) species.

*** = Family sequence generally follows Gleason & Cronquist, 2nd ed., Manual of Vascular Plants of Northeastern U.S. and adj. Canada, N. Y. B. G., 1991.**

Sequence of species within families:
A to Z by genus, and by species within genera

Recorder symbols include initials of lead recorder of party; check = species checked on board, observer unknown; few = 2 parties; many = 3 or (many) more parties reporting it.

FERNS & FERN ALLIES

Fern Allies

Lycopodiaceae	Club-moss (Ground-pine) Family	
Huperzia (Lycopodium) lucidula	Shining Club-moss	many
Lycopodium clavatum	Staghorn (Running) Club-moss	many
Lycopodium digitatum (complanatum)	Southern Club-moss	DC, FG, PS
Lycopodium obscurum	Rare Club-moss	many
Lycopodium tristachyum	Deep-root (Wiry) Club-moss	SC, NP
Equisetaceae	Horsetail Family	
Equisetum arvense	Field Horsetail	many
Equisetum pratense	Meadow Horsetail	SC

Ferns (A-Z by scientific Family name)

(Much confusion in family limits)

Aspleniaceae	**Spleenwort Fern Family A**	
Asplenium platyneuron	Ebony Spleenwort	many
Blechnaceae	**Chain-Fern Family**	
Woodwardia virginica	Virginia Chain-Fern	SC, BW
Dennstaedtiaceae	**Bracken Fern Family**	
Dennstaedtia punctilobula	Eastern Hay-scented Fern	many
Pteridium aquilinum	Bracken Fern	many

Dryopteridaceae	**Spleenwort Fern Family B**	
Athyrium filix-femina	Common Ladyfern	many
Cystopteris fragilis	Brittle Bladderfern	NP
Dryopteris carthusiana (spinulosa)	Spinulose Woodfern	NP, TR
Dryopteris cristata	Crested Woodfern	many
Dryopteris internedia	Fancy (European) Woodfern	JG
Dryopteris marginalis	Marginal Woodfern	many
Matteuccia struthiopteris	Ostrich Fern	many
Onoclea sensibilis	Sensitive Fern	many
Polystichum acrostichoides	Christmas Fern	many
Ophioglossaceae	**Adder's-tongue Fern Family**	
Botrychium virginianum	Rattlesnake Fern	NP
Osmundaceae	**Royal Fern Family**	
Osmunda cinnamomea	Cinnamon Fern	many
Osmunda claytoniana	Interrupted Fern	many
Osmunda regalis var. spectabilis	Royal Fern	many
Polypodiaceae	**Polypody Fern Family**	
Polypodium virginianum	Rock (Common) Polypody	many
Thelypteridaceae	**Spleenwort Fern Family**	
Thelypteris noveboracensis	New York Fern	many
Thelypteris palustris	Marsh Fern	many
Thelypteris simulata	Bog (Massachusetss) Fern	many

GYMNOSPERMS (CONIFERS)

(indented species are planted and have not become invasive)

Cupressaceae	**Cypress Family**	**WOODY**
Chamaecyparis thyoides	Atlantic White-Cedar	(checked, who?)
Juniperus communis	Common Juniper	many
Juniperus virginiana	Eastern Red-cedar (Juniper)	many
Thuja occidentalis	Atl. White-cedar (E. Arborvitae)	SC, NP
Pinaceae	**Pine Family**	**WOODY**
Abies balsamea	Balsam Fir	(planted-SC)
Abies fraseri	Fraser Fir	(planted-SC)
Larix decidua	European Larch	(planted-many)
Larix laricina	American Larch (Tamarack)	SC, RH
Picea abies	Norway Spruce	(planted-many)
Picea mariana	Black Spruce	many
Picea pungens	Blue Spruce	(planted-many)
Picea rubens	Red Spruce	(planted-RH)
Pinus resinosa	Red Pine	many
Pinus rigida	Pitch Pine	many
Pinus strobus	Eastern White Pine	many
Pinus sylvestris	Scotch Pine	(planted-many)
Tsuga canadensis	Eastern Hemlock	many
Taxaceae	**Yew Family**	**WOODY**
Taxus baccata (+ others)	English Yew	(planted-many)
Taxus canadensis	Canada Yew	DC, FG, AR

p 13

WOODY TREES, SHRUBS and VINES (DICOT A)

(indented species are planted and have not become invasive (not counted))

Magnoliaceae	**Magnolia Family**	**WOODY**
Liriodendron tulipifera	Tuliptree	(planted-many)
Magnolia tripetala (+ others)	Umbrella Magnolia	(planted-many)
Lauraceae	**Laurel Family**	**WOODY**
Lindera benzoin	Northern Spicebush	many
Sassafras albidum	Sassafras	many
Berberidaceae	**Barberry Family**	**WOODY**
Berberis thunbergii	Japanese Barberry	many
Berberis vulgaris	Common Barberry	SC, NP
Lardizabalaceae	**Lardizabala Family**	**WOODY**
Akebia quinata	Chocolate Vine	(planted-SC, CD)
Cercidiphyllaceae	**Katsura Family**	**WOODY**
Cercidiphyllum japonicum	Katsura tree	(planted-BP)
Platanaceae	**Sycamore Family**	**WOODY**
Platanus occidentalis	American Sycamore	(planted-many)
Platanus Xhybrida	London Plane-tree	(planted-many)
Hamamelidaceae	**Witch-hazel Family**	**WOODY**
Hamamelis virginiana	American Witch-hazel	many
Liquidamber styraciflua	Sweet(Red) Gum	(planted-JH, RH, GT)
Ulmaceae	**Elm Family**	**WOODY**
Celtis occidentalis	Common Hackberry	(planted-many)
Ulmus americana	American Elm	many
Ulmus rubra	Slippery Elm	many
Moraceae	**Mulberry Family**	**WOODY**
Morus alba	White Mulberry	(planted-BP, BW)
Morus rubra	Red Mulberry	(planted-NP, BC)
Juglandaceae	**Walnut & Hickory Family**	**WOODY**
Carya glabra	Pignut Hickory	many
Carya ovata	Shagbark Hickory	many
Carya tomentosa (alba)	Mockernut Hickory	many
Juglans cinerea	Butternut (Walnut)	many
Juglans nigra	Black Walnut	(planted-SC, CD)
Myricaceae	**Bayberry Family**	**WOODY**
Comptonia peregrina	Sweet-fern	many
Myrica gale	Sweetgale	NP, TR
Myrica pensylvanica	Northern Bayberry	SC
Fagaceae	**Beech & Oak**	**WOODY**
Castanea dentata	American Chestnut	many
Castanea japonica	Japanese Chestnut	(planted)
Fagus grandifolia	American Beech	many
Fagus sylvatica	European Beech	(planted)
Quercus alba	White Oak	many
Quercus bicolor	Swamp White Oak	many
Quercus coccinea	Scarlet Oak	many
Quercus ilicifolia	Bear Oak	SC, TR
Quercus macrocarpa	Bur Oak	DC, FG
Quercus palustris	Pin Oak	SC, CD, NP

Quercus prinoides	Chinkapin Scrub-Oak	SC, others
Quercus prinus	Chestnut Oak	many
Quercus rubra	Northern Red Oak	many
Quercus velutina	Black Oak	many
Betulaceae	**Birch Family**	**WOODY**
Alnus incana ssp. rugosa	Speckled (Common) Alder	many
Alnus serrulata	Hazel (Common) Alder	NP, TR
Betula alleghaniensis	Yellow Birch	many
Betula lenta	Sweet (Black) Birch	many
Betula nigra	River Birch	many
Betula papyrifera	Paper (American White) Birch	many
Betula pendula	European White Birch	(planted)
Betula populifolia	Gray Birch	many
Carpinus caroliniana	American Hornbeam	SC, PS
Corylus americana	American Hazelnut	many
Corylus cornuta	Beaked Hazelnut	many
Ostrya virginiana	Eastern Hop-hornbeam (Ironwood)	many
Tiliaceae	**Linden Family**	**WOODY**
Tilia americana	American Basswood	many
Tilia X europaea (cordata ?)	European Linden	(planted-SC, NP, PS)
Salicaceae	**Willow Family**	**WOODY**
Populus deltoides	Eastern Cottonwood	(planted-NP,TR)
Populus grandidentata	Big-tooth Aspen	many
Populus tremuloides	Quaking Aspen	many
Salix babylonica	Weeping Willow	(planted-many)
Salix bebbiana	Bebb Willow	checked
Salix discolor	Pussy Willow	many
Salix fragilis	Crack Willow	(planted-many)
Salix humilis	Dwarf Prairie Willow	SC
Salix nigra	Black Willow	many
Clethraceae	**Clethra Family**	**WOODY**
Clethra alnifolia	Coastal Sweet Pepperbush	many
Empetraceae	**Crowberry Family**	**WOODY**
Empetrum nigrum	Common Crowberry	(planted)
Ericaceae	**Heath Family**	**WOODY**
Chamaedaphne calyculata	Leather-leaf	TR
Gaultheria procumbens	Wintergreen (Checkerberry, E. Teaberry)	many
Gaylussacia baccata	Black Huckleberry	many
Gaylussacia dumosa	Dwarf Huckleberry	BW
Gaylussacia frondosa	Blue Huckleberry (Dangleberry)	NP
Kalmia angustifolia	Sheep Laurel	many
Kalmia latifolia	Mountain Laurel	many
Kalmia polifolia	Bog Laurel	SC, other
Lyonia ligustrina	Maleberry	many
Rhododendron canadense	Rhodora	SC, MSC
Rhododendron maximum	Great Laurel	(planted)
Rhododendron periclymenoides (nudiflorum)	Pink Azalea	NP
Rhododendron viscosum	Swamp (Clammy) Azalea	many
Vaccinium angustifolium	Late Low-bush Blueberry	many
Vaccinium corymbosum	High-bush Blueberry	many
Vaccinium pallidum (vacillans)	Early Lowbush Blueberry	many

Hydrangeaceae	**Hydrangea Family**	**WOODY**
Deutzia scabra	__ Hydrangea	(planted)
Grossulariaceae	**Currant (Gooseberry) Family**	**WOODY**
Ribes cynosbati	Eastern Prickly Gooseberry	SC
Ribes sativum	Garden Red Currant	(planted)
Rosaceae	**Rose Family**	**WOODY**
Amelanchier arborea	Common Serviceberry	(planted-JH)
Amelanchier canadensis	Canadian Serviceberry	BP, TR
Amelanchier laevis	Pink-leaf Shadbush	(planted-SC)
Aronia (Pyrus) arbutifolia	Red Chokeberry	BP
Aronia (Pyrus) melanocarpa	Black Chokeberry	RH, NP
Aronia (Pyrus) floribunda	Hybrid Chokeberry	(planted)
Crataegus, species	__ Hawthorn	NP, TR, PS
Crataegus pruinosa	Frosted Hawthorn	(planted-SC)
Malus (Pyrus) baccata (+ others)	Siberian ? Crabapple	(planted)
Malus pumila (Pyrus malus)	Cultivated Apple	(planted-many)
Potentilla fruticosa (Pentaphylloides floribunda)	Shrubby Cinquefoil	NP
Prunus pensylvanica	Pin (Bird) Cherry	many
Prunus serotina	Black Cherry	many
Prunus virginiana	Common Chokecherry	many
Rhodotypos scandens	Jetbead	(planted-BP)
Rosa carolina	Carolina (Pasture) Rose	many
Rosa multiflora	Multiflora Rose	many
Rosa palustris	Swamp Rose	many
Rosa rugosa	Rugosa Rose	(planted-many)
Rosa virginiana	Virginia Rose	many
Rubus allegheniensis	Allegheny Blackberry	JH, TR
Rubus flagellaris	Northern Dewberry (Low-running Blackberry)	many
Rubus hispidus (novanglicus)	Bristly Dewberry (N. E. Blackberry)	many
Rubus idaeus	Red Raspberry	many
Rubus occidentalis	Black Raspberry (Thimbleberry)	many
Rubus odoratus	Purple-flowering Raspberry	few
Sorbaria sorbifolia	False Spiraea	(planted-SC)
Sorbus aucuparia	European Mountain-ash	(planted)
Spiraea tomentosa	Steeple-bush	many
Fabaceae (ex Leguminosae)	**Pea (Bean, Legume) Family**	**WOODY**
Amorpha fruticosa	Indigobush (False Indigo)	(planted)
Cladrastis lutea	Yellow-wood	(planted-SC)
Cytisus scopariu	Scotch Broom	(planted)
Gleditsia triacanthos	Honeylocust	(planted-many)
Gymnocladus dioicus	Kentucky Coffee-tree	(planted)
Robinia pseudoacacia	Black Locust	(naturalized-many)
Robinia viscosa	Clammy Locust	(planted-DC, FG)
Wisteria sinensis	Chinese Wisteria	(planted-DC, FG)
Elaeagnaceae	**Oleaster Family**	**WOODY**
Elaeagnus angustifolia	Russian-olive (R. Oleaster)	(planted)
Elaeagnus umbellata	Autumn-olive	(planted-many)

Cornaceae (incl. Nyssaceae)	**Dogwood Family**	**WOODY**
Nyssa sylvatica	Black Tupelo (Blackgum)	many
Cornus alternifolia	Alternate-leaf Dogwood	many
Cornus amomum	Silky Dogwood	many
Cornus canadensis	Bunchberry (Dwarf) Dogwood	many
Cornus florida	Flowering Dogwood	(planted-many)
Cornus racemosa	Gray (Red-panicled) Dogwood	many
Cornus rugosa	Round-leaf Dogwood	PS
Cornus sericea (stolonifera)	Red-osier Dogwood	many
Celastraceae	**Bittersweet (Staff-tree)**	**WOODY**
Celastrus orbiculata	Asian (Oriental) Bittersweet	(invasive-many)
Euonymus alata	Winged Burning-bush	(planted)
Euonymus europaea	European Spindle-tree	(planted-many)
Aquifoliaceae	**Holly Family**	**WOODY**
Ilex verticillata	Common Winterberry (Black-alder)	many
Nemopanthus mucronatus	Catberry (Mountain Holly)	BP
Rhamnaceae	**Buckthorn Family**	
Ceanothus americanus	New Jersey-tea	few
Rhamnus cathartica L.	European Buckthorn	(invasive-many)
Rhamnus frangula	Glossy Buckthorn	(invasive-many)
Vitaceae	**Grape Family**	**WOODY**
Ampelopsis brevipedunculata	Amur Peppervine (Porcelainberry)	(pl)
Parthenocissus quinquefolia	Virginia-creeper	many
Vitis aestivalis	Summer (Silver) Grape	many
Vitis labrusca	Fox Grape	many
Vitis riparia	Riverbank Grape	many
Hippocastanaceae	**Buckeye Family**	**WOODY**
Aesculus hippocastanum	Horse-chestnut	(planted-many)
Aceraceae	**Maple Family**	**WOODY**
Acer ginnala	Siberian (Amur) Maple	(planted)
Acer negundo	Boxelder	(planted-many)
Acer nogrum	Black Maple	(planted-RH)
Acer pensylvanicum	Striped Maple	PA
Acer platanoides	Norway Maple	(invasive-many)
Acer pseudoplatanus	Sycamore Maple	(planted)
Acer rubrum	Red Maple	many
Acer saccharinum	Silver Maple	many
Acer saccharum	Sugar Maple	many
Anacardiaceae	**Cashew & Sumac Fam.**	**WOODY**
Rhus copallinum	Winged (Flame-leaf) Sumac	(planted)
Rhus glabra	Smooth Sumac	many
Rhus hirta	Staghorn Sumac	many
Toxicodendron radicans	Eastern Poison Ivy	many
Toxicodendron vernix	Poison Sumac	few
Simaroubaceae	**Quassia Family**	**WOODY**
Ailanthus altissima	Ailanthus	(invasive-many)
Rutaceae	**Citrus (Rue) Family**	**WOODY**
Phellodendron amurense	Amur Corktree	(planted-many)
Ptelea trifoliata	Common Hoptree	(invasive-many)

Woody Trees, Shrubs and Vines (cont.)

Oleaceae	**Olive Family**	**WOODY**
Forsythia suspensa	Weeping Forsythia	(planted-many)
Fraxinus americana	White Ash	many
Fraxinus nigra	Black Ash	RH
Fraxinus pennsylvanica	Green Ash	many
Ligustrum vulgare	European Privet	(planted-many)
Syringa amurensis	Japanese Tree Lilac	(planted)
Syringa vulgaris	Common Lilac	(planted-many)
Bignoniaceae	**Bignonia Family**	**WOODY**
Catalpa bignonioides	Southern Catalpa	(planted, invasive)
Catalpa speciosa	Northern Catalpa	(planted, invasive)
Rubiaceae	**Madder (Bedstraw) Family**	**WOODY**
Cephalanthus occidentalis	Common Buttonbush	many
Caprifoliaceae	**Honeysuckle Family**	**WOODY**
Diervilla lonicera	Northern Bush Honeysuckle	many
Lonicera canadensis	American Fly Honeysuckle	CD, SC
Lonicera japonica	Japanese Honeysuckle	(invasive-many)
Lonicera morrowii	Morrow's Honeysuckle	(invasive-many)
Lonicera sempervirens	Trumpet Honeysuckle	few
Lonicera tatarica	Tatarian Honeysuckle	(planted)
Sambucus canadensis	Common (Am.) Elder	many
Viburnum acerifolium	Maple-leaf Viburnum	many
Viburnum lentago	Nannyberry	many
Viburnum nudum	Possumhaw (Wild Raisin)	many
Viburnum opulus (trilobum)	American Cranberry Viburnum	SC, BP
Viburnum rafinesquianum	Downy Arrowwood	SC
Viburnum recognitum	Northern Arrow-wood	many

HERBACEOUS WILDFLOWERS (DICOT B)

(indented species are planted and have not (yet) become invasive (not counted))

Nelumbonaceae	**Lotus-lily Family**	
Nelumbo lutea	American Lotus	many (GM)
Nymphaeaceae	**Water-lily Family**	
Nuphar lutea ssp. advena	Yellow Pondlily	many
Nymphaea odorata	Fragrant (Am. White) Waterlily	many
Cabombaceae	**Water-shield Family**	
Brasenia schreberi	Water-shield	GT/BC
Cabomba caroliniana	Carolina Fanwort	checked
Ceratophyllaceae	**Hornwort Family**	
Ceratophyllum demersum	Coon's-tail Hornwort	few
Ranunculaceae	**Buttercup Family**	
Actaea pachypoda	White Baneberry	SC
Actaea rubra	Red Baneberry	PS
Anemone canadensis	Canadian Anemone	SC
Anemone quinquefolia	Wood Anemone	many
Anemone virginiana var. riparia	Tall (Riparian) Thimbleweed	NP,
Anemonella (Thalictrum) thalictroides	Rue-Anemone	many
Aquilegia canadensis	Wild Columbine	SC, PS
Caltha palustris	Yellow Marsh-marigold	many
Coptis trifolia (groenlandica)	Three-leaf Goldthread	many
Hepatica nobilis var. obtusa	Round-lobed Hepatica	checked
Ranunculus acris	Tall Buttercup	many
Ranunculus bulbosus	Bulbous Buttercup	NP
Ranunculus fascicularis	Early Buttercup	SC,
Ranunculus recurvatus	Hooked Crowfoot (Blisterwort)	SC, NP
Ranunculus repens	Creeping Buttercup	many
Thalictrum dasycarpum	Purple Meadow-rue	(planted)
Thalictrum dioicum	Early Meadow-rue	SC, CD
Thalictrum pubescens (polygamum)	Tall Meadow-rue	many
Berberidaceae	**Barberry Family**	
Caulophyllum thalictroides	Blue Cohosh	NP
Podophyllum peltatum L.	Mayapple	SC
Papaveraceae (incl. Fumariaceae)	**Poppy Family (incl. Fumitory)**	
Chelidonium majus	Greater Celandine	many
Sanguinaria canadensis L.	Bloodroot	few
Corydalis sempervirens	Rock Harlequin	NP
Dicentra cucullaria	Dutchman's breeches	SC
Dicentra eximia	Wild Bleeding-heart	(planted)
Cannabaceae	**Hemp Family**	
Humulus lupulus	Common Hop	(planted)
Urticaceae	**Nettle Family**	
Boehmeria cylindrica	Small-spike False-Nettle	few
Pilea pumila	Canadian Clearweed	many
Urtica dioica (prosera)	Stinging Nettle	many
Phytolaccaceae	**Pokeweed Family**	
Phytolacca americana	American Pokeweed	many
Chenopodiaceae	**Goosefoot Family**	
Chenopodium album	Lamb's-quarters (Pigweed)	many
Chenopodium botrys	Jerusalem Oak Goosefoot	TR
Amaranthaceae	**Amaranth Family**	
Amaranthus hybridus	Slim Amaranth	NP

Amaranthus retroflexus	Red-root Amaranth (Pigweed)	many
Portulacaceae	**Purslane Family**	
Portulaca oleracea	Com. Purslane (Little Hogweed)	many
Molluginaceae	**Carpet-weed Family**	
Mollugo verticillata	Green Carpet-weed	many
Caryophyllaceae	**Pink Family**	
Cerastium arvense	Field Chickweed	NP
Cerastium fontanum ssp. vulgare	Big Chickweed	TR
Dianthus armeria	Deptford Pink	many
Paronychia canadensis	Smooth-forked Nailwort	PS/HW
Scleranthus annuus	German Knotgrass (Per. Knawl)	NP, TR, PS
Silene caroliniana	Sticky Catchfly	check, rare
Silene latifolia (Lychnis alba)	White Campion	many
Silene noctiflora	Night-flowering Silene (Ev. Ly.)	EB
Silene vulgaris (cucubalus)	Bladder Campion (Maiden's-tears)	few
Spergularia rubra	Red Sand-spurry	TR, BC/GT
Stellaria graminea	Grass-like Starwort (C. Stitchwort)	many
Stellaria media	Common Chickweed (Stitchwort)	many
Polygonaceae	**Smartweed (Buckwheat) Family**	
Polygonum amphibium	Water Knotweed (Smartweed)	many
Polygonum arifolium	Halberd-leaf Tear-thumb	JH, check
Polygonum aviculare	Prostrate Knotweed	few
Polygonum convolvulus	Black "Bindweed"	checked
Polygonum cuspidatum	Japanese Knotweed	(invasive-many)
Polygonum hydropiperoides	Swamp Smartweed (Mild Water-pep.)	check
Polygonum lapathifolium	Curly-top Knotweed (Pale Sm.-w.)	DC, FG
Polygonum pensylvanicum	Pennsylvania Smartweed	many
Polygonum persicaria	Spotted Lady's-thumb	many
Polygonum sagittatum	Arrow-leaf Tear-thumb	many
Polygonum scandens	Climbing False Buckwheat	many
Polygonum (Antenoron) virginianum	Jumpseed	BP
Rumex acetosella	Common Sheep Sorrel	many
Rumex crispus	Curly Dock	many
Rumex obtusifolius	Broadleaf (Bitter) Dock	many
Rumex patientia	Patience Dock	JH-new MC
Elatinaceae	**Waterwort Family**	
Elatine americana	American Waterwort	SC
Clusiaceae	**St. John's-wort Family**	
Hypericum canadense	Lesser Canadian St. John's-wort	TR
Hypericum ellipticum	Pale St. John's-wort	BC/GT
Hypericum gentianoides	Orange-grass St. John's-wort	TR
Hypericum mutilum	Dwarf St. John's-wort	SC, PS
Hypericum perforatum	Common St. John's-wort	many
Triadenum virginicum	Pink St. John's-wort	PM, MSC, PS
Malvaceae	**Mallow Family**	
Abutilon theophrasti	Velvet-leaf	SC
Sarraceniaceae	**Pitcherplant Family**	
Sarracenia purpurea	Purple Pitcherplant	check ?
Cistaceae	**Rock-rose Family**	
Helianthemum canadense	Long-branch Frostweed	TR, others
Lechea intermedia	Large-pod Pinweed	TR

Violaceae	**Violet Family**	
Viola blanda (incognita)	Sweet White Violet	many
Viola brittoniana	Britton's (Northern Coastal) Violet	KH, BP
Viola canadensis	Canadian White Violet	SC
Viola cucullata	Marsh Blue Violet	TR, PS
Viola macloskeyi ssp. pallens	Smooth (Northern) White Violet	SC
Viola pedata	Bird's-foot Violet	many
Viola pubescens var. pubescens	Smooth (Downy) Yellow Violet	NP, others
Viola sagittata (fimbriatula)	Arrow-leaf Violet	BP, TR, PS
Viola sororia (sept., papilio.)	Common Blue Violet	SC, JH, NP
Viola striata	Striped Cream Violet	check, ?
Viola tricolor	Johnny jump-up	(planted-SC)
Brassicaceae (ex Cruciferae)	**Mustard Family**	
Alliaria petiolata (officinalis)	Garlic Mustard	many
Arabidopsis thaliana	Mouse-ear Cress	TR
Arabis canadensis	Sicklepod	BP
Arabis glabra	Tower Rockcress (Mustard)	check
Arabis laevigata	Smooth Rockcress	EB/RC
Armoracia rusticana	Horseradish	check
Barbarea verna	Wintercress (Early Yellowrocket)	SC, AR
Barbarea vulgaris	Wintercress (Garden Yellowrocket)	many
Berteroa incana	Hoary Alyssum (False Madwort)	many
Brassica nigra	Black Mustard	check
Brassica rapa var. rapa	Field Mustard (Birdrape)	NP
Capsella bursa-pastoris	Shepherd's Purse	TR, others
Cardamine pratensis	Cuckoo-flower	PA, SC
Erysimum cheiranthoides	Worm-seed Mustard (Wallflower)	check ?
Lepidium campestre	Field Pepperweed (Peppergrass)	many
Lepidium ruderale	Roadside Pepperweed	JH
Lepidium virginicum	Va. Pepperweed (Poor-man's Pepper)	many
Lunaria annua	Annual Honesty	NP
Raphanus raphanistrum	____ Wild Radish	(escapes)
Rorippa islandica (or other?)	Yellowcress	check
Rorippa nasturtium-aquaticum	(Nast. offic.) Watercress	check
Thlaspi arvense	Field Pennycress (Stinkweed)	NP, others
Pyrolaceae (in Ericaceae?)	**Wintergreen (Shinleaf) Family**	
Chimaphila maculata	Striped (Spotted) Wintergreen	many
Chimaphila umbellata ssp. cisatlantica	Pipsissewa	many
Pyrola elliptica	Wax-flower Shinleaf	SC, NP
Pyrola rotundifolia	Rounded Shinleaf (Pyrola)	many
Monotropaceae (in Ericaceae?)	**Indian-pipe Family**	
Monotropa hypopithys	Pinesap	TR
Monotropa uniflora	Indian-pipe	many
Primulaceae	**Primrose & Loosestrife Family**	
Anagallis arvensis	Scarlet Pimpernel	EB/RC
Lysimachia ciliata	Fringed Loosestrife	NP, BC/GT
Lysimachia nummularia	Creeping Jenny (Moneywort)	PA, EB/RC
Lysimachia quadrifolia	Whorled Yellow Loosestrife	many
Lysimachia terrestris	Swamp (Candles) Yellow Loosestrife	many
Trientalis borealis	Eastern (American) Starflower	many
Crassulaceae	**Stonecrop Family**	
Sedum sarmentosum	Stringy Stonecrop	BC/GT

Saxifragaceae	**Saxifrage Family**	
Chrysosplenium americanum	American Golden Saxifrage	TR
Mitella nuda	Naked Miterwort	DC, FG-new MC
Saxifraga virginiensis	Early (Alaska) Saxifrage	SC, others
Rosaceae	**Rose Family**	
Agrimonia gryposepala	Tall Hairy Agrimony	many
Fragaria vesca	Woodland Strawberry	JH, NP
Fragaria virginiana	Virginia Strawberry	many
Geum canadense	White Avens	many
Geum laciniatum	Rough Avens	EB
Potentilla argentea	Silver Cinquefoil	many
Potentilla arguta	Tall Cinquefoil	many
Potentilla canadensis	Dwarf Cinquefoil	many
Potentilla norvegica	Rough (Norwegian) Cinquefoil	many
Potentilla palustris	Marsh Cinquefoil	check
Potentilla recta	Sulphur (Rough-fruited) Cinquefoil	many
Potentilla simplex	Common (Old Field) Cinquefoil	many
Spiraea alba var. latifolia	White Meadowsweet	many
Fabaceae (ex Leguminosae)	**Pea (Bean or Legume) Family**	
Amphicarpaea bracteata	American Hog-peanut	many
Apios americana	Groundnut	many
Baptisia tinctoria	False Wild Indigo (Horsefly-weed)	many
Coronilla varia	Purple Crown-vetch	many
Desmodium canadense	Showy Tick-trefoil	many
Desmodium glutinosum	Pointed-leaf Tick-trefoil	TR, PS
Desmodium paniculatum	Panicled-leaf Tick-trefoil	TR, PS
Lespedeza capitata	Round-head Bush-Clover	many
Lespedeza hirta	Hairy Bush-Clover	BP
Lespedeza intermedia	Intermediate (Wand-like) Bush-Clover	few
Lespedeza virginica	Slender Bush-Clover	few
Lotus corniculatus	Bird's-foot Trefoil	many
Lupinus perennis	Wild (Sundial) Lupine	ID?
Medicago lupulina	Black Medick	many
Medicago sativa ssp. falcata	Alfalfa	check
Meliolotus albus	White Sweetclover	many
Melilotus officinalis	Yellow Sweetclover	check
Trifolium arvense	Rabbit's-foot Clover	many
Trifolium aureum (agrarium)	Golden Hop Clover	many
Trifolium hybridum	Alsike Clover	many
Trifolium pratense	Red Clover	many
Trifolium repens	White Clover	many
Vicia cracca	Cow (Bird, Tufted) Vetch	many
Vicia hirsuta	Hairy (Tiny) Vetch	NP, others
Vicia tetrasperma	Lentil (Four-seed) Vetch	TR, others
Haloragaceae	**Water-milfoil Family**	
Myriophyllum heterophyllum	Two-leaf Water-milfoil	few
Lythraceae	**Loosestrife Family**	
Decodon verticillatus	Swamp Loosestrife (Water-willow)	many
Lythrum salicaria	Purple Loosestrife	many
Trapaceae	**Water-chestnut Family**	
Trapa natans	Water-chestnut	many

Onagraceae	**Evening-primrose (Sundrop) Family**	
Circaea lutetiana (quadrisculata)	Broad-leaf Enchanter's-nightshade	many
Epilobium coloratum	Purple-leaf Willowherb	SC
Ludwigia palustris	Marsh Seedbox (Water-purslane)	check
Oenothera biennis	Common Evening-primrose	many
Oenothera perennis	Small Evening-primrose (Sundrops)	check
Melastomataceae	**Melastome Family**	
Rhexia virginica	Virginia (Wing-stem) Meadow-beauty	check
Santalaceae	**Sandalwood Family**	
Comandra umbellata	Bastard Toadflax	many
Buxaceae	**Boxwood Family**	
Pachysandra terminalis	Pachysandra	(planted)
Euphorbiaceae	**Spurge (Euphorbia)**	
Acalypha virginica var. rhomboidea	Rhombic Copperleaf (Va. 3-seed Mercury)	NP
Euphorbia cyparissias	Cypress Spurge	(escaped-many)
Polygalaceae	**Milkwort Family**	
Polygala paucifolia	Gay-wings (Fringed Polygala)	SC, others
Polygala sanguinea	Field (Purple) Milkwort	EB/RC
Oxalidaceae	**Wood-Sorrel Family**	
Oxalis corniculata	Creeping Wood-Sorrel	many
Oxalis stricta	Common Yellow Wood-Sorrel	many
Geraniaceae	**Geranium Family**	
Geranium maculatum	Spotted (Wild) Geranium	many
Geranium pusillum	Small Geranium	EB/RC
Geranium robertianum	Herb Robert	check
Geranium sanguineum	Bloody Crane's-bill	(Walden-escape)
Balsaminaceae	**Jewelweed (Touch-me-not) Family**	
Impatiens capensis	Orange Jewelweed (Spotted Touch-me-not)	many
Araliaceae	**Ginseng Family**	
Aralia hispida	Bristly Sarsaparilla	many
Aralia nudicaulis	Wild Sarsaparilla	many
Apiaceae (ex Umbelliferae)	**Carrot (Parsley) Family**	
Cicuta bulbifera	Bulblet-bearing Water-hemlock	TR
Cicuta maculata	Spotted (Com.) Water-hemlock	BC/GT/JH
Daucus carota	Queen Anne's Lace (Wild Carrot)	many
Heracleum maximum	Common Cow-Parsnip	JH
Hydrocotyle americana	American Marsh-pennywort	JH, TR
Peucedanum palustre	Hog-fennel (Milk Parsley)	BP
Sanicula marilandica	Maryland Black Snakeroot	SC, +
Zizia aurea	Golden Alexanders	JH
Gentianaceae	**Gentian Family**	
Gentiana andrewsii	Prairie Closed-Gentian (Bottle-G.)	check
Gentiana clausa	Meadow Closed-Gentian (B.-G.)	check
Apocynaceae	**Dogbane Family**	
Apocynum androsaemifolium	Spreading Dogbane	few
Apocynum cannabinum	Indian-hemp	RH, TR
Vinca minor	Common Periwinkle	(escapes-many)
Asclepiadaceae	**Milkweed Family**	
Asclepias amplexicaulis	Clasping Milkweed	DC, FG
Asclepias exaltata	Poke Milkweed	PS
Asclepias incarnata	Swamp Milkweed	many
Asclepias syriaca	Common Milkweed	many

Herbaceous Wildflowers: Milkweed (cont.)

Asclepias tuberosa	Butterfly Milkweed	GT/BC/MM
Cynanchum (Vince.) nigrum	Black Swallowwort	many
Solanaceae	**Nightshade Family**	
Physalis heterophylla (subglabrata)	Clammy Ground-cherry	SC
Solanum carolinense	Carolina Horse-nettle	many
Solanum dulcamara	Bittersweet (Climbing) Nightshade	many
Convolvulaceae	**Morning-glory Family**	
Calystegia sepium	Hedge False Bindweed	many
Convolvulus arvensis	Field Bindweed	many
Cuscutaceae	**Dodder Family**	
Cuscuta gronovii	Common Dodder	PA, NP
Menyanthaceae	**Buckbean Family**	
Nymphoides cordata	Little Floating-heart	BW
Boraginaceae	**Forget-me-not (Borage) Family**	
Myosotis scorpioides	True Forget-me-not	(escape)
Verbenaceae	**Verbena (Vervain) Family**	
Verbena hastata	Swamp (Blue) Verbena	many
Verbena urticifolia	White Vervain	JH, check
Lamiaceae (ex Labiatae)	**Mint Family**	
Ajuga reptans	Common Bugle	(escapes-SC)
Galeopsis tetrahit (bifida)	Brittle-stem Hemp-nettle	SC, PS
Glechoma hederacea	Ground-ivy	PA, SC, PS
Lamium purpureum var. incisum	Purple (Red) Dead-nettle	EB/RC
Leonurus cardiaca	Common Motherwort	many
Lycopus uniflorus	Northern Bugleweed	few
Lycopus virginicus	Virginia Water-horehound	PM, TR
Mentha arvensis	Wild Mint	many
Nepeta cataria	Catnip	NP
Prunella vulgaris	Common Selfheal (Heal-all)	many
Pycnanthemum tenuifolium	Narrow-leaf Mountain-Mint	check
Pycnanthemum virginianum	Virginia Mountain-Mint	NP
Scutellaria galericulata (epilobiifolia)	Marsh Skullcap	few
Scutellaria lateriflora	Blue Skullcap	TR
Stachys tenuifolia var. tenuifolia	Rough Hedge-nettle	many
Thymus serpyllum (pulegioides)	Wild Thyme	TR, PS
Trichostema dichotomum	Forked Blue-curls	TR
Callitrichaceae	**Water-starwort Family**	
Callitriche heterophylla	Two-headed Water-starwort	SC, TR
Callitriche palustris	Vernal Water-starwort	check
Plantaginaceae	**Plantain Family**	
Plantago aristata	Large-bracted Plantain	TR
Plantago lanceolata	English (Narrow-leaf) Plantain	many
Plantago major	Broad-leaf (Common) Plantain	many
Plantago rugelii	Black-seed (Red-stem) Plantain	few
Scrophulariaceae	**Snapdragon (Figwort) Family**	
Agalinis purpurea (paupercula)	Purple False-Foxglove	SC
Aureolaria (Gerardia) pedicularia	Fern-leaf Yellow False-Foxglove	SC, PS
Chaenorrhinum minus	Dwarf Snapdragon	TR, PS
Chelone glabra	White Turtlehead	many
Cymbalaria muralis	Kenilworth Ivy	(escapes-EB/RC)
Gratiola neglecta	Clammy Hedge-hyssop	check
Linaria (Nuttallanthus) canadensis	Blue (Canada) Toadflax	many

Linaria vulgaris	Butter-and-eggs	many
Melampyrum lineare	Narrow-leaf Cow-wheat	many
Mimulus ringens	Allegheny Monkey-flower	SC
Pedicularis canadensis	Canadian Lousewort	check
Penstemon digitalis	Talus-slope Penstemon	(escapes)
Verbascum blattaria	Moth Mullein	SC
Verbascum thapsus	Common Mullein	many
Veronica chamaedrys	Germander (Bird's-eye) Speedwell	SC
Veronica officinalis	Common Speedwell (Gypsyweed)	many
Veronica serpyllifolia	Thyme-leaf Speedwell	TR
Veronicastrum virginicum	Culver's-root	MM
Orobanchaceae	**Broom-rape Family**	
Epifagus virginiana	Beechdrops (Cancer-root)	BC/GT
Lentibulariaceae	**Bladderwort Family**	
Utricularia cornuta	Horned Bladderwort	check
Utricularia macrorhiza (vulgaris)	Common Bladderwort	NP, TR
Campanulaceae	**Bellflower Family**	
Campanula aparinoides	Marsh Bellflower	BC/GT
Campanula rapunculoides	Creeping (Rover) Bellflower	EB/RC
Lobelia cardinalis	Cardinal-flower	MM
Lobelia inflata	Indian Tobacco	SC
Lobelia spicata	Spiked (Pale-spike) Lobelia	SC
Triodanis specularia (perfoliata)	Clasping Venus's Looking-glass	BC/GT, TR
Rubiaceae	**Madder (Bedstraw) Family**	
Galium aparine	Cleavers (Sticky-willy)	SC
Galium asprellum	Rough Bedstraw	EB/RC, TR
Galium boreale	Northern Bedstraw	JH
Galium circaezans	Licorice Bedstraw	SC, BP, PS
Galium lanceolatum	Lance-leaf Wild Licorice	PS
Galium mollugo	Wild Madder (False Baby's-breath)	many
Galium pilosum	Hairy Bedstraw	BC/GT
Galium tinctorium	So. Three-lobed Bedstraw	SC, JH
Galium trifidum	Three-petal (Small) Bedstraw	SC
Galium triflorum	Fragrant Bedstraw	EB/RC, JH
Hedyotis (Houstonia) caerulea	Azure Bluets	many
Mitchella repens	Partridgeberry	many
Caprifoliaceae	**Honeysuckle Family**	
Triosteum aurantiacum	Horse-gentian	PS
Dipsacaceae	**Teasel Family**	
Dipsacus fullonum	Fuller's Teasel	SC
Dipsacus laciniatus	Cut-leaf Teasel	EB/RC

Hieracium aurantiacum	Orange Hawkweed	EB/RC, MSC
Hieracium caespitosum (pratense)	Meadow Hawkweed (Yel. King Devil)	many
Hieracium canadense	Canadian Hawkweed	BP
Hieracium gronovii	Queen-devil	JH, others
Hieracium lachenalii (vulgatum)	European (Com.) Hawkweed	many
Hieracium paniculatum	Allegheny Hawkweed	TR
Hieracium pilosella	Mouse-ear Hawkweed	many
Hieracium scabrum	Rough Hawkweed	TR
Krigia virginica	Virginia Dwarf-Dandelion	many
Lactuca biennis	Tall Blue Lettuce	many
Lactuca canadensis	Canada (Wild) Lettuce	many
Lapsana communis	Common Nipplewort	BC/GT
Leontodon autumnalis	Fall Dandelion	DC, DC, FG
Leucanthemum vulgare (Chrysanthemum l.)	Ox-eye Daisy	many
Matricaria matricariodes (Chamomilla suaveolens)	Pineapple-weed	many
Prenanthes alba	White Rattlesnake-root	BC/GT, +
Prenanthes altissima	Tall Rattlesnake-root	TR, PS
Prenanthes trifoliolata	Low Rattlesnake-root (Gall-of-the-earth)	few
Rudbeckia hirta (serotina)	Black-eyed Susan	many
Senecio vulgaris	Common Groundsel	NP
Silphium perfoliatum	Cup-plant (Compass-plant)	(escape)
Solidago bicolor	White Goldenrod	TR
Solidago caesia	Blue-stem (Wreath) Goldenrod	many
Solidago canadensis	Canada Goldenrod	check
Solidago gigantea	Giant Goldenrod	SC, check
Solidago juncea	Early Goldenrod	many
Solidago nemoralis	Gray Goldenrod	NP
Solidago odora	Anise-scented Goldenrod	DC/FG
Solidago puberula	Downy Goldenrod	TR
Solidago rugosa	Rough-stem (Wrinkle-leaf) Goldenrod	many
Sonchus arvensis	Field Sow-Thistle	NP, +
Sonchus asper	Spiny Sow-Thistle	SC, +
Tanacetum vulgare	Common Tansy	BC/GT, NP
Taraxacum officinale	Common Dandelion	many
Tragopogon pratensis	Yellow Goat's-beard (Meadow Salsify)	JH, TR
Tussilago farfara	Colt's-foot	NP, BP
Vernonia noveboracensis	New York Ironweed	NP, MM, +

Alismataceae	**Arrowhead (Water-plantain) Family**	
Sagittaria latifolia	Broad-leaf Arrowhead	many
Hydrocharitaceae	**Frog's-bit Family**	
Elodea canadensis	Canadian Waterweed	check
Elodea nuttallii	Western Waterweed	JH
Araceae	**Arum Family**	
Arisaema triphyllum	Jack-in-the-pulpit	many
Calla palustris	Water Arum	SC, TR
Peltandra virginica	Green Arrow Arum	many
Symplocarpus foetidus	Skunk Cabbage	many
Lemnaceae	**Duckweed Family**	
Lemna minor	Lesser Duckweed	many
Spirodela polyrrhiza	Greater Duckweed (Water Flaxseed)	ID?
Wolffia brasiliensis (papulifera)	Brazilian Watermeal	FHL, PS
Wolffia columbiana	Colombian Watermeal	NP, PS
Commelinaceae	**Spiderwort Family**	
Commelina communis	Asian Dayflower	SC, NP
Juncaceae	**Rush Family**	
Juncus bufonius	Toad Rush	JH, +
Juncus canadensis	Canadian Rush	BB/FC
Juncus effusus	Common Rush	many
Juncus tenuis	Poverty Rush	many
Luzula multiflora	Heath Wood-rush	many
Cyperaceae	**Sedge Family**	
Bulbostylis capillaris	Thread-leaf Beakseed	NP, TR
Carex argyrantha	Hay Sedge	BB/FC
Carex atlantica ssp. atlantica	Atlantic Sedge	BB/FC
Carex blanda	Blanda's Sedge	BB/FC
Carex brevior (merritt. fernaldii)	Fescue Sedge	BB/FC ?
Carex bullata	Button Sedge	PS
Carex canescens	Silvery Sedge	TR
Carex cephalophora	Oval-leaf Sedge	BB/FC, TR
Carex crinita	Fringed Sedge	BB/FC, JH
Carex debilis	White-edge Sedge	BB/FC, TR
Carex echinata (cephalantha)	Star Sedge	BB/FC
Carex flava	Yellow Sedge	JH, NP
Carex folliculata	Northern Long Sedge	check
Carex gracillima	Graceful Sedge	BB/FC
Carex gynandra	"Gynandra" Sedge	many
Carex intumescens	Greater Bladder Sedge	NP, TR
Carex lanuginosa (pellita)	Colonial (Vigorous) Sedge	check
Carex lasiocarpa	Woolly-fruit Sedge	many
Carex laxiflora	Broad Loose-flower Sedge	NP
Carex lurida	Shallow Sedge	BB/FC
Carex nigra	Smooth Black Sedge	BB/FC
Carex normalis	Greater Straw Sedge	BB/FC
Carex pallescens	Pale Sedge	BB/FC
Carex panicea	Grass-like Sedge	BB/FC
Carex pensylvanica (lucorum)	Pennsylvania Sedge	many
Carex plantaginea	Plantain-leaf Sedge	NP
Carex pseudocyperus	Cypress-like Sedge	BB/FC

Carex rosea	Rosy Sedge	many
Carex rostrata	Beaked Sedge	TR
Carex scabrata	Eastern Rough Sedge	TR
Carex scoparia	Broom Sedge	many
Carex spicata	"Spicata" Sedge	BB/FC
Carex stipata	Owl-fruit Sedge	BB/FC, TR
Carex stricta	Tussock Sedge	many
Carex swanii	Swan's Sedge	BB/FC, TR
Carex tenera	Quill Sedge	BB/FC
Carex trisperma	Three-seeded Sedge	BB/FC, NP
Carex umbellata	Parasol Sedge	TR
Carex vesicaria	Blister Sedge	BB/FC
Carex vestita	Velvet Sedge	many
Carex virescens	Ribbed Sedge	NP, TR
Carex vulpinoidea	Fox Sedge	many
Cyperus esculentus	Chufa Flatsedge	check
Cyperus filiculmis	"Filiculmis" Sedge	JH, TR
Dulichium arundinaceum	Three-way Sedge	TR
Eleocharis acicularis	Needle Spikerush (Sp.-Sedge)	PS, TR
Eleocharis ovata (obtusa)	Ovate Spikerush (Sp.-Sedge)	PS, TR
Eleocharis palustris	Common Spikerush (Sp.--Sedge)	check
Eleocharis tenuis	Slender Spikerush (Sp.--Sedge)	BB/FC
Eriophorum virginicum	Tawny Cottongrass (C.-Sedge)	BW
Rhynchospora capitellata	Brownish Beak-Sedge	TR, PS
Scirpus atrovirens	Green Bulrush (Bulsedge)	many
Scirpus cyperinus	Wool-"grass" (Woolsedge)	many
Scirpus (Bolboschoenus) fluviatilis	River Bulrush (Bulsedge)	check
Scirpus microcarpus (rubrotinctus)	Panicled Bulrush (Bulsedge)	BB/FC

Poaceae (ex Gramminae) Grass Family

Agrostis canina	Velvet Bentgrass	BB/FC
Agrostis capillaris	Colonial Bentgrass	BB/FC
Agrostis gigantea (alba)	Redtop	BB/FC, TR
Agrostis hyemalis	Winter Bentgrass	many
Agrostis perennans	Upland Bentgrass	TR, +
Alopecurus pratensis	Meadow Foxtail	BB/FC
Andropogon gerardii	Big Bluestem	check
Anthoxanthum odoratum	Sweet Vernalgrass	many
Arrhenatherum elatius	Tall Oatgrass	BB/FC
Avena sativa	Common Oat	NP
Brachyelytrum erectum	Bearded Shorthusk	NP
Bromus arvensis	Field Brome	NP
Bromus inermis	Smooth Brome	many
Bromus tectorum	Cheatgrass (June Grass)	BB/FC, TR
Calamagrostis canadensis	Bluejoint	BB/FC, TR
Cinna arundinacea	Sweet Woodreed	TR
Dactylis glomerata	Orchard Grass	many
Danthonia compressa	Flattened Oatgrass	BB/FC, TR
Danthonia spicata	Poverty Grass	many

Dichanthelium (below) often in genus Panicum)

Dichanthelium acuminatum	Tapered Rosette Grass	TR
Dichanthelium clandestinum	Deer-tongue Panic-Grass	many
Dichanthelium columbianum	"Columbian" Panic-Grass	BB/FC
Dichanthelium commutatum	Variable Panic-Grass	TR
Dichanthelium depauperatum	Starved Panic-Grass	BB/FC, TR
Dichanthelium dichotomum	Cypress Panic-Grass	TR
Dichanthelium lanuginosum	__ Panic-Grass	BB/FC
Dichanthelium leucothrix	__ Panic-Grass	check
Dichanthelium oligosanthes	Heller's Rosette-Grass	BB/FC
Dichanthelium villosissimum	White-hair Rosette-Grass	BB/FC
Digitaria sanguinalis	Hairy Crabgrass	many
Echinochloa crus-galli	Common Barnyard-Grass	SC
Echinochloa muricata	Rough Barnyard-Grass	BB/FC
Eleusine indica	Indian Goose-Grass	NP
Elymus hystrix	Eastern Bottle-brush Grass	NP, PS
Elymus virginicus	Virginia Wild-Rye	BB/FC
Elytrigia (Agropyron) repens	Quackgrass (Witch Grass)	many
Eragrostis spectabilis	Purple (Tumble) Love-Grass	JH
Festuca elatior (arundinacea)	Tall Fescue	BB/FC, PS
Festuca filiformis (capillata)	"European" Fescue	BB/FC, PS
Festuca ovina	Sheep Fescue	DC/FG, +
Festuca pratensis	Meadow Fescue	BB/FC, PS
Festuca rubra	Red Fescue	BB/FC, DC
Glyceria canadensis	Rattlesnake Mannagrass	BB/FC, TR
Glyceria grandis	American Mannagrass	BB/FC, TR
Glyceria striata	Fowl Mannagrass	many
Holcus lanatus	Common Velvetgrass	many
Leersia oryzoides	Rice Cutgrass	many
Lolium perenne ssp. multiflorum	Italian Rye-Grass	many
Muhlenbergia frondosa	Wire-stem Muhly	NP, SC
Panicum capillare	Witch Grass	SC
Panicum rigidulum var. pubescens	Red-top Panic-Grass	BB/FC
Paspalum setaceum	Thin Paspalum	BB/FC
Phalaris arundinacea	Reed Canary-Grass	many
Phleum pratense	Common Timothy Grass	many
Phragmites australis (communis)	Phragmites (Common Reed)	many
Poa annua	Annual Bluegrass	many
Poa compressa	Canada Bluegrass	many
Poa nemoralis	Wood Bluegrass	BB/FC, TR
Poa palustris	Fowl Bluegrass	BB/FC
Poa pratensis	Kentucky Bluegrass	many
Poa trivialis	Rough Bluegrass	SC
Schizachyrium (Andropogon) scoparium	Little Bluestem	BB/FC, TR
Secale cereale	Cultivated Rye	check
Setaria glauca	Yellow Foxtail-Grass	BB/FC
Vulpia myuros	Rat-tail Fescue	BB/FC
Zizania aquatica	Annual Wild-Rice	AR, AV
Sparganiaceae	**Bur-reed Family**	
Sparganium americanum	American (Lesser) Bur-reed	BC/GT, PS
Sparganium chlorocarpum	Green-fruit Bur-reed	BW
Sparganium eurycarpum	Giant (Broad-fruit) Bur-reed	check

Typhaceae	**Cat-tail Family**	
Typha angustifolia	Narrow-leaf Cat-tail	many
Typha latifolia	Broad-leaf Cat-tail	many
Pontederiaceae	**Water-hyacinth Family**	
Pontederia cordata	Pickerel-weed	many
Liliaceae	**Lily Family**	
Allium canadense	Meadow Garlic	NP
Asparagus officinalis	Garden Asparagus	BC/GT, TR
Clintonia borealis	Yellow Blue-bead Lily	RH, JH
Convallaria majalis	European Lily-of-the-valley	many
Erythronium americanum	American Trout-Lily	SC, NP
Hemerocallis fulva	Orange Day-Lily	many
Hosta japonica	Japanese Plantain-Lily	DC/FG, NP
Hypoxis hirsuta	C. Goldstar (Yellow Star-grass)	NP, +
Lilium canadense	Canadian Lily	SC, +
Lilium philadelphicum	Wood Lily	SC, +
Lilium superbum	Turk's-cap Lily	check
Maianthemum canadense	Canada Mayflower	many
Maianthemum racemosum	False Solomon's-seal	many
Medeola virginiana	Indian Cucumber-root	many
Ornithogalum umbellatum	Star-of-Bethlehem	check
Polygonatum biflorum	King (Great) Solomon's-seal	many
Polygonatum pubescens	Hairy Solomon's-seal	many
Streptopus amplexifolius	Clasp-leaf Twisted-stalk	EB/RC
Trillium cernuum	Nodding Trillium	SC, AR
Trillium erectum	Red Trillium	NP
Uvularia sessilifolia	Sessile-leaf Bellwort (Wild-oats)	many
Veratrum viride	American False White Hellebore	NP, TR, +
Iridaceae	**Iris Family**	
Iris pseudacorus	Pale Yellow Iris	(escaped, many)
Iris versicolor	Large Blue-flag Iris	many
Sisyrinchium angustifolium	Narrow-leaf (Stout) Blue-eyed-grass	many
Sisyrinchium atlanticum	Eastern Blue-eyed-grass	JH, +
Smilacaceae	**Greenbrier Family**	
Smilax glauca	Cat Greenbrier	BC/GT, RH
Smilax herbacea	Smooth Carrion-flower	NP, +
Smilax rotundifolia	Round-leaf Greenbrier	many
Orchidaceae	**Orchid Family**	
Cypripedium acaule	Pink Lady's-slipper	many
Epipactis helleborine	Helleborine	many
Goodyera pubescens	Downy Rattlesnake-plantain	many
Isotria verticillata	Purple Five-leaf Orchid (Larger Whorled Pogonia)	SC
Platanthera lacera	Ragged (Green) Fringed-Orchid	BC/GT
Platanthera (Habenaria) psycodes	Lesser Purple Fringed-Orchid	check
Pogonia ophioglossoides	Rose Pogonia (Snake-mouth Orchid)	check

Some specialists of freshwater inverts were: Henry Barbour (HB), Frances Garretson (FG), Brian Reid (BR), Doug Smith (DS), Bryan Windmiller (BW).

Phylum Porifera	**SPONGES**	
Spongillidae	**Freshwater Sponge**	
Anheteromeyenia ryderi ?	__ Freshwater Sponge	DS
Eunipius fragilis	__ Freshwater Sponge	DS
Spongilla lacustris	__ Freshwater Sponge	DS
Phylum Annelida	**SEGMENTED WORMS**	
Lumbricus terrestris	__ Earthworm	CT4
Potamothrix, species	Tubificid Worm	BW, CT4
Glossiphonidae	**Freshwater Leeches**	
Erpobdella, species	__ Leech	BW
Glossiphonia, species	__ Leech	BW
Phylum ?		
_____	unsegmented worm	GT, BC
Phylum Mollusca	**MOLLUSKS**	**19 species**
Gastropoda Order		
Lymnaeidae	**Pond Snails**	
Pseudosuccinea columella	__ Pond Snail	BW
Physidae	**Pouch Snails**	
Physella, 2 sp. incl. heterostrotha	__ Air-breathing Snail	DS, FG, BC
Planorbidae	**Wheel Snails**	
Gyraneus parvus	__ Freshwater Snail	FG
Heliosoma ansepts	__ Air-breathing Snail	DS
H. trivolvis	Ram's Horn Air-breathing Snail	BW, DS
Promenectus exacuous	__ Freshwater Snail	FG
Viviparidae	**Mystery Snails**	
Campeloma decisum	Apple Snail	DS, BC
Cipangopaludina chinensis ?	Chinese Mystery Snail	GT, BC
C. japonica	Japanese Pond Snail	
Several slug families	**Slugs**	
Arion ater rufus ?	Rufous Garden Slug ?	PA
Limax, species	__ Slug	CT4
Bivalve Order		
Sphaeriidae		
Musculium lacustre/securis	__ Finger-nail Clam	DS, FG-sp
Pisidium casteranum?	__ Finger-nail Clam	BW
Unionidae	**Freshwater Mussels**	
Alasmidonta undulata	Triangle Floater	HB, BR
Elliptio complanata	Eastern Elliptio Mussel	common
Lampsilus radiata	Eastern Lamp Mussel	HB, BR
Ligumia nasuta	Eastern Pond Mussel	HB, BR
Pyganodon cataracta	Eastern Floater	DS

Phylum Arthropoda	ARTHROPODS	
Crustacea	**Crustaceans**	
Cladocera Order; Daphnidae	**Water-fleas**	
Daphnia 2 sp., 1 magna	Water-flea (1/15")	FG
Isopoda Order		
Caecidotea communis	__ Isopod	DS, BW, FG-ok?
Isopoda Order: Asellidae	**Pillbugs and Sowbugs**	
Oniscus, species	__ Sowbug	WP
Porcellio scaber	__ Sowbug	BW
Amphipoda Order; Gammaridae	**Amphipods**	
Gammarus fasciatus	__ Freshwater Amphipod	DS
Hyalella azteca ?	__ Amphipod	BW, FG
Decapoda Order: Cambaridae	**Crayfish**	
Orconectres limosus	__ Crayfish	FG
Lynceus brachyurus	Clam Shrimp	BW-ad
Diploda	**Millipedes**	
Julus, species	__ Millipede	WP, KH, BC, GT
Chilopoda	**Centipedes**	
Scutigera, species	Brown Centipede	PA, WP

Arachnida	ARACHNIDS	49 species
Pseudoscorpiones	**Psuedo-scorpions**	
genus ?	Pseudo-scorpion (1/4")	WP, NP
Opilones	**Daddy-long-legs (Harvestmen)**	
Leiobunum, species	__ Daddy Long-legs	JW
Opilio, species	__ Daddy Long-legs	JW
Phalangiidae	**Harvesters**	
Phalangium opilio	Brown Daddy Long-legs	WP, CT4, JH
Araneae	**Spiders**	
Agelenidae	**Grass Spiders**	JW
Araneidae	**Orb Weaver Spiders**	
Argiope, species	"small" Argiope	JW
Argiope aurantia ?	Black-and-yellow Argiope	JW
Micrathena gracilis ?	Spiny Box Spider	WP/NP
Clubioidae	**Two-clawed Hunting Spiders**	JW
Dictynidae	**Dictynid Spiders**	JW-2 sp.
Gnaphosidae	**Gnaphosid Spiders**	JW
Linyphiidae	**Sheet-web Spiders**	
Frontinella pyramitela	Bowl and Doily Spider	JW, PM
Neriene radiata	Filmy Dome Spider	JW
2 other species	Sheet-web Spiders	JW
Lycosidae	**Wolf Spiders**	
Lycosa cardosa	__ Wolf Spider	PM, WP
Salticidae	**Jumping Spiders**	
Audax, species	__ Jumping Spider	WP
Habrocestum ?, species	__ Jumping Spider	JW
2 other species	__ Jumping Spider	JW
Tetragnathidae	**Tetragnathid Spiders**	
Tetragnatha extensa	Long-jawed Orb Weaver	JW
Theridiidae	**Comb-footed (Cobweb) Spiders**	
Achaearanea tepidariorum	American House Spider	PM
Enoplognatha ovata	__ Cobweb Spider	JW
2 other species	Comb-footed Spiders	JW

Thomasidae	**Crab Spiders**	
Misumena vatia	Goldenrod Crab Spider	WP, JW
Xysticus, species	__ Crab Spider	JW
Acari (Acarina)	**Mites & Ticks**	
Acaridae	**Acarid Mites**	
genus ?	Acarid Mite	GJ-Lab
Anoetidae	**Anoetid Mites**	
genus ?	Anoetid Mite	GJ-Lab
Eylaidae	**Aquatic Mites**	
Eylais, species	Water Mite	FG
Glycyphagidae	**Glycyphagid Mites**	
Dermacarus hylandi	Glycyphagid Mite	GJ-Lab
D. hypudaei	Glycyphagid Mite	GJ-Lab
Orycteroxenus soricis	Glycyphagid Mite	GJ-Lab
Laelapidae	**Laelapid Mites**	
Androlaelaps fahrenholzi	Laelapid Mite	GJ-Lab
Eulaelaps stabularis	Laelapid Mite	GJ-Lab
Haemogamasus, species	Laelapid Mite	GJ-Lab
Hirstionyssus blarinae	Laelapid Mite	GJ-Lab
H. isabellinus	Laelapid Mite	GJ-Lab
H. utahensis	Laelapid Mite	GJ-Lab
Laelaps, species	Laelapid Mite	GJ-Lab-imm
Ixodidae	**Hard-backed Ticks**	
Dermacenter variabilis	Brown Dog (Wood) Tick	GJ, CT4, WP
Ixodes dammini	Eastern Deer Tick	GJ
Listrophoridae	**Listrophorid Mites**	
Listrophorus mexicanus	Listrophorid Mite	GJ-Lab
Mycoptidae	**Mycoptid Mites**	
Myocoptes, species	Mycoptid Mite	GJ-Lab
Pygmephoridae	**Pygmephorus Mites**	
Bakerdania, species	Pygmephorus Mite	GJ-Lab
Pygmephorus, species	Pygmephorus Mite	GJ-Lab
Family ?		
Oligonychus ilicius	Red Spider Mite	CT4, JH
Ornithonyssus bacoti		GJ-Lab
Trombidium, species	Red Velvet Mite	JW, WP

Insecta — INSECTS — 504 species

Collembola	**Springtails**	
Collembola Family	Common Springtail	WP, NP
Sminthuridae Family	Globular Springtail	WP, NP

Ephemeroptera	**Mayflies** (not sorted to family)	
Acerpenna, species	__ Mayfly	FG-nym
Caenis diminuta	__ Mayfly	FG-nym
Siphlonuris, species	__ Mayfly	BW-lar
Stenonema, species*	__ Mayfly	FG-nym

* on rock in Walden; Les Kaufman has on video.

Odonata — **Dragonflies & Damselflies** — **43 species**

Specialists included: Brian Cassie, Frank Gallo, John Himmelman, Bill Loughran, Paul Miliotis, Peter Trimble, Guy Tudor, and Dick Walton.

Zygoptera p 34

Calopterygidae

Calopteryx aequabilis
C. maculata

Lestidae

Lestes forcipatus
L. inaequalis
L. rectangularis
L. vigilax

Coenagrionidae

Argia fumipennis
Chromagrion conditum
Enallagma aspersum
E. ebrium
E. exsulans
E. geminatum
E. signatum
E. vesperum
Ischnura posita
I. verticalis

Anisoptera

Aeshnidae

Aeshna mutata
A. umbrosa
Anax junius

Gomphidae

Dromogomphus spinosus
Gomphus exilis

Cordulegastridae

Cordulegaster, species

Macromiidae

Macromia illinoisensis

Corduliidae

Epitheca cynosura
E. princeps

Libellulidae

Celithemis elisa
C. fasciata
Erythemis simplicicollis
Leucorrhina frigida
L. intacta
Libellula auripennis
L. cyanea
L. incesta
L. luctuosa
L. lydia
L. pulchella
L. quadrimaculata
Pachydiplax longipennis
Pantala hymenaea
Perithemis tenera
Sympetrum obtrusum
S. rubricundulum
Tramea lacerata

Damselflies p 34

Broad-winged Damselflies

River Jewelwing
Ebony Jewelwing

Spread-winged Damselflies

Sweetflag Spreadwing
Elegant Spreadwing
Slender Spreadwing
Swamp Spreadwing

Narrow-winged Damselflies

Variable Dancer
Aurora Damsel
Azure (Swamp) Bluet
Marsh Bluet
Stream Bluet
Skimming Bluet
Orange Bluet
Vesper Bluet
Fragile Forktail
Eastern Forktail

Dragonflies

Darners

Spatterdock Darner who?-nym
Shadow Darner
Common Green Darner

Clubtails

Black-shouldered Spinyleg
Lancet Clubtail

Spiketails

__ Spiketail

Belted & River Cruisers

Illinois River Cruiser

"Emeralds" (used in birds)

Common Basket-tail
Prince Basket-tail

"Skimmers" (used in birds)

Calico Pennant
Banded Pennant
Eastern Pondhawk
Frosted Whiteface
Dot-tailed Whiteface
Golden-winged Skimmer
Spangled Skimmer
Slaty Skimmer
Widow Skimmer
Common Whietail (Skimmer)
Twelve-spotted Skimmer
Four-spotted Skimmer
Blue Dasher
Spot-winged Glider
Eastern Amberwing
White-faced Meadowhawk nymph
Ruby Meadowhawk
Black Saddlebags

Plecoptera	**Stoneflies**	
Perlidae	**Common Stoneflies**	GT/BC
Perla, species	__ Common Stonefly	WP/NP
2nd species	__ Stonefly	PG
Orthoptera	**Grasshoppers, Crickets & Katydids**	**8 sp.**
Acrididae	**Grasshoppers**	
Melanopus, species	__ Grasshopper	CT4
genus ?, 2nd species	__ Grasshopper	GT/BC
genus ?	__ Locust	WP, NP
Gryllidae	**Crickets**	
Acheta domestica	House Cricket	
Allenemobiurus fasciatus?	__ Ground Cricket	CT4
Gryllus pennsylvanicus	Northern Field Cricket	WP, NP
Nemobius, species	__ Ground Cricket	BW
Oecanthus fultoni	Snowy Tree Cricket	
Blattodea	**Cockroaches**	
Blatella germanica	German Cockroach	
Parcoblatta pennsylvanica	Pennsylvania Wood Roach	BW
Periplaneta, species	__ Cockroach	NP, WP
genus ?	Mediterranean Cockroach	KH
Mantodea	**Mantises (Mantids)**	
genus ?	__ Mantid	PG
Dermaptera	**Earwigs**	
Euborellia, species	__ Earwig	WP, NP
Forficula auricularia	European Earwig	
Isoptera	**Termites**	
Reticulitermes flavipes	Subterranean Termite	BC/GT, JH, CT4
Anoplura	**Sucking Lice**	
Hoplopleura hesperomydis	__ Sucking Louse	GJ-Lab
Thysanoptera	**Thrips**	
Thripidae	**Common Thrips**	
genus ?	Common Thrip	WP, NP
Hemiptera Bugs	**(Heteroptera in 1989)**	**18 sp**
Belastomatidae	**Giant Water Bugs**	
Belostoma flumineum	__ Giant Water Bug	BW
Belastoma, other species	__ Giant Water Bug	FG-nym
Coreidae	**Leaf-footed Bugs**	
genus ?	__ Leaf-footed Bug	BW, GT/BC
Corixidae	**Water Boatmen**	JH, CT4
Hesperocorixa interrupta ?	__ Water Boatman	BW
Sigara atropodonta ?	__ Water Boatman	BW, +
Gerridae	**Water Striders**	
Gerris marginatus	__ Water Strider	GT, BC, CT4
G. remigus ?	__ Water Strider	BW, WP
G. species	__ Water Strider	FG-nymph
Hydrometridae	**Water Treaders**	
Mesovelia, species	Water Treader	BW

INSECTS: Bugs (cont.)

Lygaeidae	**Lygaeid (Seed) Bugs**	
Lygaeus kalmii	Small Eastern Milkweed Bug	WP, NP, RH
Miridae	**Plant Bugs**	JS-1
Notonectidae	**Backswimmers**	
Buenoa, species	__ Backswimmer	FG-nym
Notonecta irrorata	__ Backswimmer	BW, FG
N. undulata	__ Backswimmer	BW
Pentatomidae	**Stink Bugs**	
Acrostemum hilare	Green Stinkbug	NP, WP
Phymatidae	**Ambush Bugs**	
	__ Ambush Bug	JS, GT/BC
Pleidae	**Pygmy Backswimmers**	
Neoplea striola	Pygmy Backswimmer	BW (Noto.?)
Veliidae	**Broad-shld. Water-Striders**	
Microdelia, species	__ Broad-shld. Water-Strider	BW

Homoptera — Aphids, Planthoppers & Scale Insects — 8 sp.

Aphididae	**Aphids**	
Aphis, species	__ Aphid	JS
Aphid, other species	__ Aphid	CT4
Cercopidae	**Froghoppers/Spittlebugs**	
Philaemus spumarius	Meadow Spittlebug	NP, WP
Cicadidae	**Cicadas**	
Tibicen canicularis	Dogday Harvestfly	WP, NP
Cicidellidae	**Leafhoppers**	
Graphocephala coccinea	Scarlet-and-green Leafhopper	WP
Membricidae	**Treehoppers**	
Sticto cephala	Buffalo Treehopper	WP
Psyllidae	**Psyllids**	
genus ?	__ Psyllid	JS
Family?	**Scale Insects**	
Parthenolecanium fletcheri	Fletcher Scale Insect	CT4

Neuroptera — Nerve-wings — 4 sp.

(incl. Megaloptera, Sialodea, Planipen., Raphid.)
(incl. lacewings, dobsonflies, snakeflies, antlions)

Chrysopidae	**Green Lacewings**	
Chrysoptera arnia	Green Lacewing	WP
Corydalidae	**Dobsonflies**	
Corydalus cornutus	Eastern Dobsonfly	BW, PA
Myrmeleontidae	**Antlions**	
Myrmeleon, species	__ Antlion	JS, MM, PA
Sialidae	**Alderflies**	
Sialis, species	__ Alderfly	FG-nym

Mecoptera — Scorpionflies — 2 sp.

Bittacidae	**Hangingflies**	
Bittacus stigmaterus ?	Eastern Woodland Hangingfly	NP/WP
Panorpidae	**Common Scorpionflies**	
genus ?	___ Scorpionfly	GT/BC

Trichoptera p 37	**Caddisflies**	**8 sp.** p 37
Diplectrona modesta	__ Caddisfly	FG-lar
Frenesia difficilis	__ Caddisfly	FG-lar
Hydropsyche hageni	__ Caddisfly	FG-lar
Limnephilus, 2 species	Northern Casemakers	BW-lar
Molanna, species	__ Caddisfly	FG-egg case
Ptilistomis ocellifera ?	Giant Casemaker Caddisfly	BW-lar
8 species (so add 2)		PG

Lepidoptera — Butterflies, Skippers & Moths — 208 sp.

Butterflies, Skippers — 30 sp.

Note: Sequence of butterflies & skippers follows 1995 NABA "Checklist & English Names of North American Butterflies" by Brian Cassie, Jeffrey Glassberg, Paul Opler, R. Robbins and Guy Tudor. List weak due to very hot early spring, many species came out early; heavy rains (12") and clouds in June; second hatchings hadn't taken place.

Among reporters were Brian Cassie, John Himmelman + team, Vernon Laux, Bill Loughran, Blair Nikula, Peter Trimble, Guy Tudor, and Dick Walton.

Papilionidae	**Swallowtails**
Papilio glaucus	Eastern Tiger Swallowtail
P. triolus	Spicebush Swallowtail
Pieridae	**Whites & Sulphurs**
Pieris rapae	Cabbage White
Colias eurytheme	Orange Sulphur
C. philodice	Clouded Sulphur
Lycaenidae	**Gossamer-wing Butterflies**
Lycaena phlaeas	American Copper
Satyrium calanus	Banded Hairstreak
S. liparops	Striped Hairstreak
Everes comyntas	Eastern Tailed-Blue
Celastrina ladon neglecta	Summer Spring Azure
Nymphalidae	**Brush-footed Butterflies**
Speyeria cybele	Great Spangled Fritillary
Boloria selene	Silver-bordered Fritillary
Phyciodes tharos	Pearl Crescent
Euphydryas phaeton	Baltimore Checkerspot
Polygonia interrogationis	Question Mark
P. comma	Eastern Comma
Vanessa virginiensis	American Lady
V. cardui	Painted Lady
V. atalanta	Red Admiral
Limenitis arthemis astyanax	Red-spotted Purple
Satyrodes appalachia	Appalachain Brown
Megisto cymela	Little Wood Satyr
Cercyonis pegala	Common Wood-Nymph
Danaus plexippus	Monarch
Hesperiidae	**Skippers**
Epargyreus clarus	Silver-spotted Skipper
Thorybes pylades	Northern Cloudywing
Ancyloxypha numitor	Least Skipper
Thymelicus lineola	European Skipper
Wallengrenia egeremet	Northern Broken-Dash
Pompeius verna	Little Glassywing

NOTE: Paul Goldstein said they had 120 large moths, 65+ micromoths = 185+. The sequence (unlike butterflies) is A-Z by scientific family name and A-Z by genus within families. Many species and genera have no English name yet. List prepared by Mark Mello, Paul Goldstein and John Himmelman. Specimens have been kept of most for better id when needed. I have 178 here.

Arctiidae	**Tiger Moths**
Apantesis phalerata	Harnessed Tiger Moth
Cisseps fulvicollis	Yellow-collared Scape Moth
Ctenucha virginica	Virginia Ctenucha Day Moth
Cycnia tenera	Delicate Cycnia Moth
Halysidota tesselllaris	Banded Tussock Moth
Haploa lecontei	Leconte's Haploa Moth
Holomelina opella	Tawny Holomelina Moth
Pyrrarctica isabella	Isabella Woolly-bear Tiger Moth
Spilosoma congrua	Agreeable Tiger Moth
S. virginica	Yellow Bear Moth
Blastobasidae	**Blastobasid Moths (not in 1989 book)**
Glyphidocera, species	_____ Moth
genus ?	_____ Moth
Cossidae	**Leopard Moths & Carpenter-worms**
Zeuzera pyrina	_____ Leopard Moth
Drepanidae	**Hooktip Moths**
Drepana arcuata	Arched Hooktip Moth
Oreta rosea	Rose Hooktip Moth
Gelechiidae	**Gelechiid Moths**
Trichotaphe flavocostella	_____ Moth
genus ?	_____ Moth
Geometridae	**Geometrid Moths/Measuring-worms**
Aethalura intertexta	Four-barred Gray Moth
Biston betularia cognataria	Pepper-and-salt Geometrid Moth
Cepphis decoloraria	_____ Moth
Chloroclystis rectangulata	_____ Moth
Ectropis crepuscularia	Small Engrailed Moth
Ennomos subsignaria	Elm Spanworm Moth
Euclana serrata	Saw-wing Moth
Eucleana irraria	Least-marked Eucleana Moth
Eugonobapta nivosaria	Snowy Geometer Moth
Eulithis diversilineata	Lesser Grapevine Looper Moth
E. explanata	White Eulithis Moth
Eupithecia, species	_____ Moth
Eusarca confusaria	Confused Eusarca Moth
Hypagyrtis esther	Esther Moth
H. unipunctata	One-spotted Variant Moth
Itame postularia	Lesser Maple Spanworm Moth
Lytrosis unitaria	Common Lytrosis Moth
Melanolopha canidaria	Canadian Melanophora Moth
Metarranthis hypocharia	Common Metarranthis Moth
Nematocampa resistaria	Horned Spanworm Moth
Nemoria rubrifrontaria	Red-faced Emerald Moth
Patalene olyzonaria	Juniper Geometer Moth
Protoboarmia porcelaria	Porcelain Gray Moth
Scopula caecuminaria	Frosted Tan Wave Moth
S. limboundata	Large Lace-border Moth

Semiothisa fissinotata	Hemlock Angle Moth	
S. granitata	Granite Moth	
S. ocellinaria	Faint-spotted Angle Moth	
S. transitoria	Blurry Chocolate Angle Moth	
Synchlora aerata liquoraria	Wavy-lined Emerald Moth	
Xanthorhoe lacustrata	Toothed Brown Carpet Moth	
Gracillaridae	**Leaf-blotch Miner Moths**	
Cameraria ?, species	Oak Leafminer Moth	
Lasiocampidae	**Tent Caterpillar Moths**	
Malacosoma americanum	Eastern Tent Caterpillar Moth	
M. disstria	Forest Tent Caterpillar Moth	
Limacodidae	**Slug Caterpillar Moths**	
Euclea delphinii	Spiny Oak-slug Moth	
Lithacodes fasciola	_____ Moth	
Prolimacodes badia	Skiff Moth	
Lymantridae	**Tussock (& Gypsy) Moths**	
Lymantria dispar	Gypsy Moth	RH-ad
Noctuidae	**Underwings & Owlet Moths**	
Acronicta haesitata	Hesitant Dagger Moth	
A. noctivaga	Wandering Dagger Moth	
Allagrapha aerea	Unspotted Looper Moth	
Amolita fessa	Feeble Grass Moth	
Apamea amputatrix	Yellow-headed Cutworm Moth	
Apamea ? ophiogramma	_____ Moth	
Autographa precationis	Common Looper Moth	
Baileya australis	Small Baileya Moth	
Balsa tristrigella	Three-lined Balsa Moth	
Bleptina carandrinalis	Bent-winged Owlet Moth	
Caenurgina erechtea	Forage Looper Moth	
Capis curvata	_____ Moth	
Chytolita petrealis	_____ Moth	
Chytonix palliatricula	Cloaked Marvel Moth	
Colocasia propinquilinea	Close-banded Yellowhorn Moth	
Conservula anadonta	_____ Moth	
Cosmia calami	American Dun-bar Moth	
Epidelta metonalis	Pale Epidelta Moth	
Eudryas unio	Pearly Wood-nymph Moth	
Euxoa tessellata	Tesselate Dart Moth	
Gabara subnivosella	_____ Moth	
Heptagrotis phyllophora	_____ Moth	
Hyperstotia villificans	White-lined Graylet Moth	
Idia aemula	Common Idia Moth	
I. americalis	American Idia Moth	
I. diminuendis	Orange-spotted Idia Moth	
I. lubricalis	Glossy Black Idia Moth	
I. rotundalis	Round Idia Moth	
Lacinipolia lorea	Bridled Arches Moth	
L. renigera	Bristly Cutworm Moth	
Lascoria ambigualis	Ambiguous Moth	
Leucania insueta	_____ Moth	
L. latiscula	_____ Moth	
L. pseudargyia	_____ Moth	

Insects: Moths (cont.)

Leuconycta diphtheroides	Green Leuconycta Moth
Lithacodia albidula	_____ Lithacodia Moth
L. bellicula	Bog Lithacodia Moth
L. carneola	Pink-barred Lithacodia Moth
L. muscosula	Large Mossy Lithacodia Moth
L. synochitis	Black-dotted Lithacodia Moth
Macrochilo hypocritalis	_____ Moth
M. litophora	_____ Moth
Melanchra assimilis	Black Arches Moth
Metalectra discalis	Common Fungus Moth
Noctua pronuba	Large Yellow Underwing
Oligia exhausta	_____ Moth
Orthodes cynica	Cynical Quaker Moth
Paectes oculatrix	Eyed Paectes Moth
Palthis angularis	Dark-spotted Palthis Moth
Panopoda rufimargo	Red-lined Panopoda Moth
Panthea pallescens	_____ Moth
Phalaenostola larentioides	Black-banded Owlet Moth
Polia detracta	Disparaged Arches Moth
Protorthodes oviduca	Ruddy Quaker Moth
Pseudorthodes vecors	Small Brown Quaker Moth
Renia salusalis	_____ Moth
Rhynchagrotis	_____ Moth
Rivula propinqualis	Spotted Grass Moth
Tarachidia candefacta	Olive-shaded Bird-dropping Moth*
(Favorite of John Himmelman; in Boston Globe/Concord Journal)	
Xylomoia chagnoni	_____ Moth
Zanclognatha cruralis	Early Moth
Z. jacchusalis	_____ Moth
Z. lituralis	Lettered Moth
Z. martha	Barrens Moth
Z. protumnusalis	_____ Moth
Notodontidae	**Notodontid (Prominent) Moths**
Datana drexilii	Drexel's Datana
Gluphisia septentrionis	Common Gluphisia Moth
Hyperaeschra georgica	Georgian Prominent Moth
Lochmaeus bilineata	Double-lined Prominent Moth
Macrurocampa marthesia	Mottled Prominent Moth
Nadata gibbosa	White-dotted Prominent Moths
Oecophoridae	**Oecophorid Moths**
Agonopteryx robinella	_____ Moth
Psilocorsis querciella	_____ Moth
genus ?	_____ Moth
genus ?	_____ Moth
Plutellidae	**Diamondback Moths**
Plutella xylostella	_____ Diamondback Moth
Psychidae	**Bagworm Moths**
Thyridopteryx ephemeraeformis	Evergreen Bagworm Moth
Pterophoridae	**Plume Moths**
genus ?	_____ Plume Moth

Insects: Moths (cont.)

Pyralidae	**Pyralid (Grass & Wax) Moths**	
Aglossa cuprina	_____ Moth	
Anageshna primordialis	_____ Moth	
Apogeshna stenialis	_____ Moth	
Chrysoteuchia topiara	_____ Moth	
Condylolomia participalis	_____ Moth	
Donacaula "melinella" complex	_____ Moth	
D. "longirostrella" complex	_____ Moth	
Eufernaldia, sp. near agitatellus	_____ Moth	
E. bidens	_____ Moth	
E. laqueatellus	_____ Moth	
E. leuteolus	_____ Moth	
Euruma densella	_____ Moth	
Eustixia pupula	_____ Moth	
Glyptocera consobrinella	_____ Moth	
Herculia binodulalis	_____ Moth	
H. olinalis	_____ Moth	
Herpetogramma aegealis	_____ Moth	
Pantographa limata	Basswood Leafroller Moth	
Parapediasia decorella	_____ Moth	
Peoria approximella	_____ Moth	
Plodia interruptans	Asiatic Meal Moth	BW
Pyrausta, species	_____ Moth	
Tetralopha robustella	_____ Moth	
Udea rubigalis	_____ Moth	
Urola nivalis	_____ Moth	
Phycitinae Subfamily	_____ Moth	
Sesiidae	**Clearwing Moths**	
Synanthedon acerni	Maple Callus Borer Moth	
Sphingidae	**Sphinx (& Hawk) Moths**	
Lapara bombycoides	Northern Pine Sphinx Moth	
Paonias astylus	Huckleberry Sphinx Moth	
P. excaecatus	Blinded Sphinx Moth	
P. myops	Small-eyed Sphinx Moth	
Tortricidae	**Leafroller (Tortricid) Moths**	
Choristoneura pinus	_____ Moth	
Croesia curvalana	_____ Moth	
Cydia pomonella	____ Coddling Moth	
Epinotia transmissana	_____ Moth	
Eucosoma, species	_____ Moth	
Melissopus latiferreanus	_____ Moth	
Olethreutes appendicea	_____ Moth	**(4 sp)**
O. fasciatana	_____ Moth	
O. permundana	_____ Moth	
Petrova comstockiana	_____ Moth	
Sparganothis pettitana	_____ Moth	
S. unifasciana	_____ Moth	
Yponomeutidae	**Ermine Moths**	
Yponomeuta, species	_____ Ermine Moth	
Zygaenidae	**Leaf Skeletonizer Moths**	
Harrisina americana	Grapeleaf Skeletonizer Moth	

Bruchidae	**Seed Beetles**	JS-1
Cantharidae	**Soldier Beetles**	PG-1+
Chauliognathus, sp.	__ Soldier Beetle	WP, NP
Carabidae (incl. Cicindelidae)	**Ground & Tiger Beetles**	PG-9 sp.
Cicindela sexguttatus	__ Tiger Beetle	JS, NP, WP
C. punctulata	__ Tiger Beetle	JS
Calosoma scrutator	Fiery Searcher	WP, NP
Pterostochine, species	__ Woodland Ground Beetle	JS
Cerambycidae	**Long-horned Beetles**	PG-1
Anoplodera cordifera	__ Flower Longhorn	JS
A. vittata	__ Flower Longhorn	JS
Desmoceris palliatus	Elderberry Borer Beetle	BW
Evodinus, sp.	Long-horned Flower Beetle	NP, WP
Leptura lineola	__ Flower Longhorn	JS
Prionus laticollis	Broad-necked Root Borer	on list
Tetraopes tetrophthalmus	Red Milkweed Beetle	JS, NP/WP
Typocerus lugubris	__ Flower Longhorn	JS
T. velutinus	__ Flower Longhorn	JS
Chrysomelidae	**Leaf Beetles**	
Alticinae Subfamily; genus ?	Flea Beetle	NP, WP
Chrysochus auratus	Goldsmith (Dogbane) Beetle	NP, WP
Crioceris asparagi	Asparagus Beetle	JS
Colaspis brunnea	Grape Colaspis Beetle	JS
Graphops, species	__ Beetle	JS
Pachybrachys, species	__ Cylindrical Leaf Beetle	JS
Cleridae	**Checkered Beetles**	
Trichodes nuttalli	Nuttall's Shaggy Beetle	JS
Coccinellidae	**Lady Beetles (Bugs)**	
Adalia bipunctata	Two-spotted Lady Beetle	
Anatis quindecimpunctatus	__ Lady Beetle	
Harmonia convergens	__ Lady Beetle	
Hippodamia convergens	__ Lady Beetle	
H. triderimpunctata	__ Lady Beetle	JS
Cryptophagidae	**Silken Fungus Beetles**	
Toramus, sp	Silken Fungus Beetle	NP, WP
Curculionidae	**Weevils & Snout Beetles**	3- sp
Curculio rectus	Acorn Weevil	NP, WP
Rhynchaenus, species	__ Flea Weevil	JS
Dytiscidae	**Predaceous Diving Beetles**	
Acilus, species	__ Diving Beetle	FG-lar
Agabus, species	__ Diving Beetle	FG-lar
Dytiscus harrisii	__ Diving Beetle	BW
Hydroporus, 2 species	__ Diving Beetle	BW
Dytiscidae	**Predaceous Diving Beetles (cont)**	
Laccophilus, species	__ Diving Beetle	BW
Uvarus, species	__ Diving Beetle	FG
Elateridae	**Click Beetles & Wireworms**	
Melanotus communis ?	__ Click Beetle	GT/BC
genus ?	__ Click Beetle	PG: 3 sp
Erotylidae	**Pleasing Fungus Beetles**	
Triplax festiva ?	Soft Bracket Fungi Beetle	NP, WP

Gyrinidae	**Whirligig Beetles**	
Dineutus nigrior	__ Whirligig Beetle	FG
Gyrinus, 2 species	__ Whirligig Beetle	BW, FG1
Haliplidae	**Crawling Water Beetle**	
Haliplus immaculicollis	__ Crawling Water Beetle	FG
H. semifasciatus ?	__ Crawling Water Beetle	BW
H. triopsis	__ Crawling Water Beetle	FG
Hydraenidae	**Minute Moss Beetles**	
Hydraena, sp.	__ Minute Moss Beetle	NP, WP
Hydrophilidae (incl. Helophoridae)	**Water Scavenger Beetles**	
Enochrus, species	__ Water Scavenger Beetle	FG
Helophorus, species	__ Water Scavenger Beetle	FG
Hydrochaera, species	__ Water Scavenger Beetle	FG-lar
Lampyridae*	**Lightningbugs/Fireflies/Flash Beetles**	
(Sara Lewis of Tufts Univ. worked w/ 3 students: Christopher Cratsley, Jennifer Rooney, and Ben Michel on these.)		
Ellychania corrusca	__ Diurnal Firefly	SL, NP/WP
Lucidota atra	__ Diurnal Firefly	SL, BW, NP
Photinus aquilonius	__ Nocturnal Firefly	SL team
P. greeni	__ Nocturnal Firefly	SL team
P. ignitus	__ Nocturnal Firefly	SL team
P. marginellus	__ Nocturnal Firefly	SL team
Photuris pennsylvanicus	? Pennsylvania Firefly	JS ?
P. versicolor	__ Nocturnal Firefly	SL team
P., species	__ Nocturnal Firefly	SL team
Pyractomena angulata	__ Nocturnal Firefly	SL team
Leiodidae	**Round Fungus Beetles**	
Leiodes, sp.	Round Fungus Beetle	NP, WP
Lucanidae	**Stag Beetles**	
Pseudolucanus capreolus	Stag Beetle*	JS, NP, WP
(* in Concord & Lincoln Journal photographs)		
Lycidae	**Net-wing Beetles**	JS
Mordellidae	**Blister Beetles**	JS-2 sp
Mordellistena, species	__ Blister Beetle	JS
Phengodidae	**Glow-worm Beetles**	
Phengodes plumosa ?	Phengodes Beetle	NP, WP
Ptinidae	**Spider Beetles**	
Gibbium psylloides ?	__ Spider Beetle	WP, NP
Scarabaeidae	**Scarab Beetles**	PG-12 sp.
Anomela orientalis ?	Oriental ? Beetle	JS
Macrodactylus subspinosus	Rose Chafer Beetle	JS
Pelidnota punctata	Spotted Grapevine Beetle	JS, NP, WP
Phyllophaga rugosa	May Beetle	BW
Popillia japonica	Japanese Beetle	JS, CT 4
Staphylidae	**Rove Beetles**	PG-1 sp.
Anotylus, sp.	__ Rove Beetle	WP, NP
Bledius, species	__ Rove Beetle	JH/CT4
Tenebrionidae	**Darkling Beetles**	PG-1 sp.

Agromyzidae	**Leafminer Flies**	PG-1
genus ?	Locust Leafminer	
Anthomyidae	**Anthomyiid Flies**	PG-2
Scatophaga stercoraria	Yellow Dung Fly	WP, NP
Asillidae	**Robber Flies**	
Efferia, species	__ Robber Fly	CT4
Laphria, species	__ Bee Hunter	WP/NP
Tolmerus, species	__ Robber Fly	JS, WP, NP
Bombyliidae	**Bee Flies**	PG-2
Anthrax, species	__ Bee Fly	SO/BS
Bombylris, species	__ Bee Fly	NP, WP
Calliphoridae	**Blow Flies**	
Calliphora, species	__ Blow Fly	JS, PG, SO
Ceratopogonidae	**Biting Midges**	PG-1
Chaoboridae	**Phantom Midges**	
Chaoborus punctipennis	__ Phantom Midge	FG-lar
Chironomidae	**Midges**	
Chironomus, species	__ Midge (hemoglobin type)	BW-lar
Conopidae	**Thick-headed Flies**	
Physocephala tibialis	Thick-headed Fly	SO/BS
Culicidae	**Mosquitoes**	PG-4 sp.
Aedes cinereus	__ Mosquito	FG-larv, CT4
Anopheles, species	__ Mosquito	CT-4
Culex apicalis	__ Mosquito	FG-larv, CT4
Dolicopididae	**Long-legged Flies**	
Condylostylus chrysopasi	__ Long-legged Fly	JS, NP, WP
Empididae	**Dance Flies**	PG-1
Muscidae	**House Flies**	
Musca domestica	House Fly	
Otitidae	**Picture-winged Flies**	JS-1
Pipunculidae	**Big-headed Flies**	PG-1
Ptychopteridae (Not in 1989 Com. Names Insects)		PG-1
Rhagionidae	**Snipe Flies**	PG-1
Sciaridae	**Dark-winged Fungus Gnats**	JS-1
Simulidae	**Black Flies**	
Simulium, species	__ Black Fly	WP, N
Sarcophagidae	**Flesh Flies**	
Senotainia trilineata	__ Flesh Fly	SO/BS; JS
Syrphidae	**Hover (Flower)Flies**	JS-3
Metasyrphus americanus	American Hover Fly	GT/BC, CT
Tabanidae	**Deer & Horse Flies**	
Chrysops vittatus	__ Deer Fly	GJ, NP/WP
Tabanus, species	__ Deer Fly	CT4
Tachinidae	**Tachinid Flies**	NP,SO/BS
Tephritidae	**Fruit Flies**	
Drosophila, species	__ Fruit Fly	WP, NP
Tipulidae	**Crane Flies**	BW-3 sp.
Bittacomorpha clavipes	Phantom Crane Fly	NP, WP
Tipula, species	__ Crane Fly	WP, NP, GT

Siphonaptera — Fleas — 3 species

Ctenopthalmus pseudagyrtes	__ Flea	GJ-Lab
Doratopsyla blarinae	__ Flea	GJ-Lab
Orchopeas leucopus	__ Flea	GJ-Lab

Hymenoptera — Ants, Bees and Wasps — 110 sp.

(many wasps and bees are from Steve Orzack & Bill Stubblefield)

Andrenidae	**Andrenid Bees**	
Andrena, species	__ Bee	SO/BS
A. spiraena	__ Bee	SO/BS
A. wilkella	__ Bee	SO/BS
Anthophoridae	**Cuckoo, Digger & Carpenter Bees**	
incl. Xylocopidae* (not a family in 1989 Com. Names of Insects...)		
Ceratina, species	__ Carpenter Bee	SO/BS; JS
Xylocopa virginica	__ Carpenter Bee	SO/BS
Apidae	**Typical Bees**	
Apis mellifera	Honey Bee	
Bombus affinis	__ Bumble Bee	SO/BS
B. fervidus	__ Bumble Bee	SO/BS
B. impatiens	__ Bumble Bee	SO/BS
Mellissodes (Apomelissodes) apicata	__ Bee	SO/BS
Braconidae	**Braconid Wasps**	SO/BS-1
Chalcididae	**Chalcidid Wasps**	on sheets
Chrysididae	**Cuckoo Wasps**	
Hedychrum confusum	__ Cuckoo Wasp	SO/BS; JS-sp
Cynipidae	**Gall Wasps**	
Neuroterus clavensis	Oak Apple Gall Wasp	WP, NP
galls on cherry, oak, maple, hickory, elm and blueberry- 6 sp? GT/BC		
Evaniidae	**Ensign Wasps**	
Evania, species	__ Ensign Wasp	SO/BS-1
Formicidae	**Ants (incl. Sidewalk, Lemon & Yellow Ants)**	
(from Edward O. Wilson, Stefan Cover et al; without English names)		
Acanthmyops claviger	__ Ant	EOW/SC
Amblyopone pallipes	__ Ant	EOW/SC
Aphaenogaster fulva	__ Spine-waisted Ant	EOW/SC
A. rudis	__ Spine-waisted Ant	EOW/SC
Camponotus americanus	__ Carpenter Ant	EOW/SC
C. chromaides	__ Carpenter Ant	EOW/SC
C. nearcticus	__ Carpenter Ant	EOW/SC
C. novoboracensis	__ Carpenter Ant	EOW/SC
C. pennsylvanicus	__ Carpenter Ant	WP, NP, PG
Crematogaster cerasi	__ Acrobatic Ant	EOW/SC
C. lineolata	__ Acrobatic Ant	EOW/SC
Dolichoderus plagiatus	__ Ant	EOW/SC
Formica argentea	__ Ant (Red/Crater/Mound)	EOW/SC
F. fusca	__ Ant	EOW/SC
F. incerta	__ Ant	EOW/SC
F. nepticula	__ Ant	EOW/SC
F. nitidiventris	__ Ant	EOW/SC
F. querquetulana	__ Ant	EOW/SC
F. rubicunda	__ Ant	EOW/SC
F. schaufussi	__ Ant	EOW/SC
F. subsericea	__ Ant	EOW/SC

F. (microgyne grp.) sp.	__ Ant	EOW/SC
Lasius alienus	__ Ant	EOW/SC
L. nearcticus	__ Ant	EOW/SC
L. neoniger	__ Ant	EOW/SC
Leptothorax curvispinosus	__ Ant	EOW/SC
L. longispinosus	__ Ant	EOW/SC
Monomorium emarginatum	Little Black ? Ant	EOW/SC
Myrmecina americana	__ Ant	EOW/SC
Myrmica pinetorum	__ Ant	EOW/SC
M. punctiventris	__ Ant	EOW/SC
Myrmica undescribed species .1	__ Ant	EOW/SC
Myrmica undescribed species .2	__ Ant	EOW/SC
Pheidole pennsylvanica	__ Ant	EOW/SC
Prenolepis imparis	Honey Ant	EOW/SC
Solenopsis molesta	__ Fire Ant	EOW/SC
Tapinoma sessile	__ Ant	EOW/SC
Tetramorium caespitum	__ Ant	EOW/SC
Halictidae	**Sweat (Halictid) Bees**	
Agaposteunon virescens	__ Bee	SO/BS; JS
Augochlora, species	Green Metallic Bee	WP, NP
Halictus ligatus	__ Bee	SO/BS
H. (Seladonia) confusus	__Bee	SO/BS
Lasioglossum (Dialictus) cressonii	__ Bee	SO/BS
L. (D.) nymphaearum	__ Bee	SO/BS
L. (D.) pilosus	__ Bee	SO/BS
L. (D.) tegularis	__ Bee	SO/BS
L. (Evylaeus) pectinatus	__ Bee	SO/BS
L. (E.) pectoralis	__ Bee	SO/BS
L. (L.) coriaceum	__ Bee	SO/BS
Ichneumonidae	**Ichneumon Wasps**	PG-5 sp.
Metopius, species	__ Wasp	SO/BS
Megachilidae	**Leaf-cutting Bees**	
Heriades (Physostetha) carinata	__ Bee	SO/BS
Megachile (Eutrichareae) ritundata	__ Leaf-cutting Bee	SO/BS
M. montivaga	__ Leaf-cutting Bee	SO/BS
Osmia, species	__ Mason Bee	on list
Mutillidae	**Velvet Ants**	
Dasymutilla nigripes	__ Velvet Ant (?)	SO/BS
Pompilidae	**Spider Wasps**	
Anoplius, species	__ Spider Wasp	SO/BS
other genus	__ Spider Wasp	SO/BS
Scoliidae	**Scoliid Wasps**	
Scolia dubia	Digger Wasp	WP, NP
Sphecidae	**Sphecid Wasps**	
(incl. Crabronidae, Nyssonidae, Pemphredonidae and Philanthidae)		
Ammophila, species	__ Thread-waisted Wasp	JS/SC/BS
A. procera	__ Thread-waisted Wasp	SC/BS
Anacrabro ocellatus	__ Crabronid Wasp	SO/BS
Bembix americana spinolae	Eastern Sand Wasp	SO/BS
Bicyrtes quadrifasciata	__ Nyssonid Wasp	SO/BS
B. bicinctus	__ Nyssonid Wasp	On sheets

Cerceris fumipennis	__ Philanthid Wasp	SO/BS
C. halone	__ Philanthid Wasp	SO/BS
C. nigrescens	__ Philanthid Wasp	SO/BS
C. prominens	__ Philanthid Wasp	SO/BS
Chlorion aerarium	__ Cricket Hunter Wasp	SO/BS
Ectimnius, species	__ Crabronid Wasp	SO/BS
Isodontia mexicana	__ Wasp	SO/BS
Oxybelus, species	__ Crabronid Wasp	SO/BS
Pemphredon species	__ Pemphredonid Wasp	SO/BS
Philanthus gibbosus	__ Philanthid Wasp	SO/BS
P. sanbornii	__ Philanthid Wasp	SO/BS
Sphex ichneumoneus	__ Wasp	SO/BS; JS sp
Tenthredinoidea	**Tenthredinid Sawflies**	SO/BS/NP-1
Tiphiidae	**Tiphiid Wasps**	
Tiphia, species	__ Wasp	SO/BS-2 sp
Vespidae	**Vespid Wasps**	
Monobia quadridens	__ Wasp	SO/BS
Parancistrocerus pedestris	__ Wasp	SO/BS
Polistes dominulus	__ Paper Wasp	SO/BS
P. fuscatus	__ Paper Wasp	NP, SO, JH
Vespa crabro	Giant Hornet	WP, NP
Vespula germanica	German Wasp (PA)	PA, KH
Vespula maculata	Bald-faced Hornet	
Vespula maculifrons	Eastern Yellowjacket	SO/BS, WP

Phylum Bryozoa — BRYOZOANS

Pectinella magnifica	a Freshwater Bryozoan (12" in diameter) KH, PP, VL

VERTEBRATES

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171 species

Fish 16 sp.,
Amphibians 11 sp.,
Reptiles 9 sp.,
Birds 110 sp.,
Mammals 25 sp.

FISH — 16 species

(Some key reporters were Karsten Hartel, Vernon Laux, Les Kaufman, Monty Montgomery, Al Robichaud and several members of the Musketaquid Sportmens Club. List weak due to major flooding (12" rain in June) and high waterlevels.

Cyprinidae	**Carp & Minnows**	
Cyprinus carpio	Common Carp	GT/BC, AR
Notemigonus crycoleucas	Golden Shiner* (4" imm. has black side stripe)	KH, MSC
Catostomidae	**Suckers**	
Erimyzon oblongus	Creek Chubsucker	KH,
Ictaluridae	**Catfish**	
Ameiurus nebulosus	Brown Bullhead Catfish	KH, AR
Esocidae	**Pickerel**	
Esox americanus	Redfin Pickerel	AR, MSC
Esox niger	Chain Pickerel	AR, MSC
Fundulidae	**Killifish**	
Fundulus diaphanus	Banded Killifish	KH
Moronidae	**Temperate Bass Family**	
Morone americana	White Perch	VL, AR
Centrarchidae	**Sunfish & Bass**	
Enneacanthus obesus	Banded Sunfish	KH
Lepomis gibbosus	Pumpkinseed	NP, AR
Lepomis macrochirus	Bluegill	MSC, AR
Micropterus dolomieu	Small-mouthed Bass	LK, AR
Micropterus salmoides	Large-mouthed Bass	MSC
Pomoxis nigromaculatus	Black Crappie	MSC
Percdae	**Darter & Perch**	
Etheostoma fusiforme	Swamp Darter	KH
Perca flavescens	Yellow Perch	MSC, AR

AMPHIBIANS & REPTILES

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(Some key reporters were Brian Cassie, Richard Hildreth, Steve Orzack, Bill Stubblefield, Tom Tyning and Brian Windmiller)

Class Amphibia		**11 sp.**	
Order Caudata	**SALAMANDERS**	**3 sp.**	
Salamandridae	**Newts**		
Notopthalmus viridescens	Eastern (Red-spotted) Newt		AR
Ambystomatidae	**Mole Salamanders**		
Ambystoma maculatum	Spotted Salamander		TT
Plethodontidae	**Lungless Salamanders**		
Plethodon cinereus	Red-backed Salamander		GT/BC, AR,
Order Anura	**FROGS & TOADS**	**8 sp.**	
Bufonidae	**Toads**		
Bufo americanus	American Toad		many
Hylidae	**Treefrogs (Hylids)**		
Hyla versicolor	Gray Treefrog		many
Pseudacris (Hyla) crucifer	Sping Peeper		BW,
Ranidae	**Frogs**		
Rana catesbiana	Bull Frog		many
R. clamitans	Green Frog		many
R. palustris	Pickerel Frog		many
R. pipiens	No. Leopard Frog		many
R. sylvatica	Wood Frog		PA, BW, TT
Class Reptilia	**REPTILES**	**9 sp.**	
Order Testudines	**TURTLES**	**5 species**	
Kinosternidae	**Mud & Musk Turtles**		
Sternotherus odoratus	Musk Turtle (Stinkpot)		TT
Chelydridae	**Snapping Turtles**		
Chelydra serpentaria	Common Snapping Turtle		TT
Emydidae	**"Emydid" Turtles**		
Chrysemys picta	Painted Turtle		many
Clemmys guttata	Spotted Turtle		AR
Emydoidea blandingi	Blanding's Turtle		TT
Order Squamata (Suborder Serpentes)	**Snakes**		**4 species**
Colubridae	**"Colubrid" Snakes**		
Diadophis punctatus	Ring-necked Snake		TT
Lampropeltis triangulum	Milk Snake		SO
Natrix sipedon	Northern Water Snake		many
Thamnophis sirtalis	Common Garter Snake		many

BIRDS 110 species

Phalacrocoracidae	**Cormorants**	
Phalacrocorax auritus	Double-crested Cormorant	few
Ardeidae	**Herons**	
Botaurus lentiginosus	American Bittern	RH - one
Ardea herodias	Great Blue Heron	some
Ardea alba	Great Egret	GT, BC
Butorides virescens	Green Heron	few
Nycticorax nycticorax	Black-crowned Night-Heron	few
Cathartidae	**American Vultures (now adj. storks)**	
Cathartes aura	Turkey Vulture	few
Anatidae	**Waterfowl**	
Branta canadensis	Canada Goose	many
Aix sponsa	Wood Duck	some
Anas platyrhynchos	Mallard	many
A. rubripes	American Black Duck	few
Accipitridae	**Hawks & Eagles**	
Accipiter cooperi	Cooper's Hawk	few
A. gentilis	Northern Goshawk	MR
Buteo lineatus	Red-shouldered Hawk	GL
B. platypterus	Broad-winged Hawk	few
B. jamaicensis	Red-tailed Hawk	few
Falconidae	**Falcons**	
Falco sparvarius	American Kestrel	few
Phasianidae	**Partridges**	
Phasianus colchicus	Ring-necked (Field) Pheasant	few
Bonasa umbellus	Ruffed Grouse	RH, MR
Meleagris gallopavo	Wild Turkey	increasing
Rallidae	**Rails**	
Rallus limicola	Virginia Rail	few
Fulica americana	American Coot	GT, BC
Charadriidae	**Plovers**	
Charadrius vociferus	Killdeer	some
Scolopacidae	**Sandpipers**	
Tringa solitaria	Solitary Sandpiper	VL
Actitis macularia	Spotted Sandpiper	few
Bartramia longicauda	Upland Sandpiper	MR
Calidris minutilla	Least Sandpiper	VL, BC, GT
Scolopax minor	American Woodcock	TR, RH
Laridae	**Gulls & Terns**	
Larus delawarensis	Ring-billed Gull	few
L. argentatus	Herring Gull	few
Columbidae	**Pigeons & Doves**	
Columba livia	Rock Pigeon (Dove)	many
Zenaida macroura	Mourning Dove	many
Cuculidae	**Cuckoos**	
Coccyzus erythropthalmus	Black-billed Cuckoo	RH, AR
C. americanus	Yellow-billed Cuckoo	who ?
Strigidae	**Owls (missed E. Screech!)**	
Bubo virginianus	Great Horned Owl	BW
Strix varia	Barred Owl	KH
Apodidae	**Swifts**	
Chaetura pelagica	Chimney Swift	many

	Trochilidae	**Hummingbirds**
Archilochus colubris		Ruby-throated Hummingbird PA, RC, GL
	Alcedinidae	**Kingfishers**
Ceryle alcyon		Belted Kingfisher few
	Picidae	**Woodpeckers**
Melanerpes carolinus		Red-bellied Woodpecker few
Picoides pubescens		Downy Woodpecker many
P. villosus		Hairy Woodpecker few
Colaptes auratus		Peterson's (Northern) Flicker many
Dryocopus pileatus		Pileated Woodpecker BW, KH
	Passeriformes	**SONGBIRDS**
	Tyrannidae	**Tyrant Flycatchers**
Contopus virens		Eastern Wood-Pewee many
Empidonax traillii		Willow Flycatcher RH, WB
E. minimus		Least Flycatcher few
Sayornis phoebe		Eastern Phoebe many
Myiarchus crinitus		Great Crested Flycatcher many
Tyrannus tyrannus		Eastern Kingbird many
	Vireonidae	**Vireos (new placement before crows)**
Vireo solitarius		Blue-headed (Solitary) Vireo RC, KH, VL
V. gilvus		Warbling Vireo many
V. olivaceus		Red-eyed Vireo many
	Corvidae	**Crows & Jays**
Cyanocitta cristata		Blue Jay many
Corvus brachyrhynchos		American Crow many
	Hirundinidae	**Swallows (new placement after crows)**
Tachycineta bicolor		Tree Swallow many
Stelgidopteryx serripennis		Northern Rough-winged Swallow some
Riparia riparia		Bank Swallow some
Hirundo rustica		Barn Swallow many
	Paridae	**Tits (new genera)**
Poecile (Parus) atricapillus		Black-capped Chickadee many
Baeolophus (Parus) bicolor		Tufted Titmouse many
	Sittidae	**Nuthatches**
Sitta canadensis		Red-breasted Nuthatch GT, BC
S. carolinensis		White-breasted Nuthatch many
	Certhiidae	**Creepers**
Certhia americana		Brown Creeper few
	Troglodytidae	**Wrens**
Thryothorus ludovicianus		Carolina Wren many
Troglodytes aedon		House Wren many
T. troglodytes		Winter Wren some
Cistothorus palustris		Marsh Wren many
	Sylviidae	**Old World Warblers**
Polioptila caerulea		Blue-gray Gnatcatcher few
	Turdidae	**Thrushes**
Sialia sialis		Eastern Bluebird some
Catharus fuscescens		Veery some
C. guttatus		Hermit Thrush. some
Hylocichla mustelina		Wood Thrush some
Turdus migratorius		American Robin many

Mimidae	**Mockingbirds**	
Dumetella carolinensis	Gray Catbird	many
Mimus polyglottos	Northern Mockingbird	many
Toxostoma rufum	Brown Thrasher	WB-declining
Sturnidae	**Starlings**	
Sturnus vulgaris	European Starling	too many
Bombcillidae	**Waxwings**	
Bombycilla cedrorum	Cedar Waxwing	some
Parulidae	**American Warblers**	
Vermivora pinus	Blue-winged Warbler	W B
Dendroica petechia	Yellow Warbler	many
D. pensylvanica	Chestnut-sided Warbler	one
D. virens	Black-throated Green Warbler	BW,
D. pinus	Pine Warbler	RH-some
D. discolor	Prairie Warbler	some, local
Mniotilta varia	Black-and-White Warbler	one
Setophaga ruticilla	American Redstart	many
Seiurus aurocapillus	Ovenbird (Teacherbird)	many
Geothlypis trichas	Common Yellowthroat	many
Thraupidae	**Tanagers**	
Piranga olivacea	Scarlet Tanager	many
Emberizidae	**American Sparrows**	
Pipilo erythropthalmus	Eastern (Rufous-sided) Towhee	few-declining
Spizella passerina	Chipping Sparrow	many
S. pusilla	Field Sparrow	one
Passerculus sandwichensis	Savannah Sparrow	local-common
Ammodramus savannarum	Grasshopper Sparrow	DD, MR
Melospiza melodia	Song Sparrow	many
M. georgiana	Swamp Sparrow	local-common
Cardinalidae	**Cardinals & Grosbeaks**	
Cardinalis cardinalis	Northern (Red) Cardinal	many
Pheucticus ludovicianus	Rose-breasted Grosbeak	many
Passerina cyanea	Indigo Bunting	many
Icteridae	**Blackbirds**	
Dolichonyx oryzivorus	Bobolink	local
Ageliaus phoeniceus	Red-winged Blackbird	common
Sturnella magna	Eastern Meadowlark	JH, CT4-local
Quiscalus quiscula	Common (Eastern) Grackle	many
Molothrus ater	Brown-headed Cowbird	too many
Icterus galbula	Baltimore (Northern) Oriole	many
Fringillidae	**Finches**	
Carpodacus purpureus	Purple Finch	who ?
C. mexicanus	House Finch	many
Carduelis tristis	Amerian Goldfinch	many
Passeridae	**Old World Sparrows**	
Passer domesticus	House Sparrow	too many

Mammals

p 53

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Marsupialia Order	**Marsupials**	
Didelphidae	**Opossums**	
Didelphis virginiana	Virginia Opossum	common
Insectivore Order	**Insectivores**	
Soricidae	**Shrews**	
Blarina brevicauda	Northern Short-tailed Shrew	GJ, JH, NP
Talpidae	**Moles**	
Parascalops breweri	Hairy-tailed Mole	BW
Primates Order	**Primates**	
Pongidae	**Apes**	
Homo (Pan) sapiens	Man (& Woman)*	(*present 12,000+ years in area)
Chiroptera Order	**Bats**	
Vespertilionidae	**Vespertilionid Bats**	
Myotis lucifugus	Little Brown Bat	TK
Eptesicus fuscus	Big Brown Bat	TK
Lagomorpha Order	**Lagomorphs**	
Leporidae	**Hares & Rabbits**	
Sylvilagus floridanus	Eastern Cottontail	common
Rodentia Order	**Rodents**	
Sciuridae	**Squirrels**	
Tamias striatus	Eastern Chipmunk	common
Marmota monax	Woodchuck (Eastern Marmot)	common
Sciurus carolinensis	Eastern Gray Squirrel	common
Tamiasciurus hudsonicus	American Red Squirrel	common
Castoridae	**Beavers**	
Castor canadensis	"Canadian" Beaver	DG, GJ-increase
Cricetidae	**New World Rats & Mice**	
Peromyscus leucopus	White-footed Mouse	GJ
Clethrionomys gapperi	Boreal Red-backed Vole	GJ
Microtus pennsylvanicus	Meadow Vole	GJ, NP, RH
Ondatra zibethicus	Muskrat	common
Erethizontidae	**American Porcupines**	
Erethizon dorsatum	American Porcupine	BW
Carnivora Order	**Carnivores**	
Canidae	**Dogs & Foxes (missed Coyote!)**	
Vulpes vulpes	Red Fox	few
Ursidae	**Bears**	
Ursus americanus	Black Bear	MR, TR-new
Procyonidae	**Raccoons**	
Procyon lotor	Northern Raccoon	common
Mustelidae	**Weasels, Skunks & Otters**	
Mustela erminea	Short-tailed Weasel (Ermine)	road kill
Mustela vison	American Mink	BW
Mephitis mephitis	Striped Skunk	common
Lutra canadensis	River Otter	few
Artiodactyla Order	**Even-toed Ungulates**	
Cervidae	**Deer**	
Odocoileus virginianus	White-tailed Deer	common

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