

Berkshire Biodiversity Day 2022 – Plants: 130 Species

Flowering Plants (55 species)

- *Ageratina altissima*
- *Agalinis tenuifolia*
- *Alliaria petiolata*
- *Apocynum cannabinum*
- *Aralia nudicaulis*
- *Arctium* spp.
- *Asclepias syriaca*
- *Berteroa incana*
- *Bidens* spp.
- *Campanula* spp.
- *Chelone glabra*
- *Cicuta bulbifera*
- *Cirsium vulgare*
- *Coptis trifolia*
- *Daucus carota*
- *Erigeron* spp.
- *Eutrochium* spp.
- *Eupatorium perfoliatum*
- *Fallopia japonica*
- *Galium* spp.
- *Gentiana* spp.
- *Hydrocotyle americana*
- *Impatiens pallida*
- *Leonurus cardiaca*
- *Lepidium virginicum*
- *Lemna minor*
- *Lythrum salicaria*
- *Lysimachia borealis*
- *Lysimachia nummularia*
- *Maianthemum canadense*
- *Mitchella repens*
- *Monotropa uniflora*
- *Nuphar lutea*
- *Oenothera* spp.
- *Oxalis montana*
- *Oxalis* spp.
- *Parthenocissus quinquefolia*
- *Persicaria capitata*
- *Phragmites* spp.
- *Plantago major*
- *Potentilla* spp.
- *Prunella vulgaris*
- *Rosa multiflora*
- *Rosa* spp.
- *Rubus occidentalis*
- *Securigera varia*
- *Solanum emulans*
- *Solidago rugosa*
- *Toxicodendron* spp.
- *Trifolium pratense*
- *Typha* spp.
- *Verbascum thapsus*
- *Vicia cracca*
- *Viola* spp.
- *Vinca minor*

Trees & Shrubs (32 species)

- *Acer negundo*
- *Acer rubrum*
- *Acer saccharum*
- *Betula alleghaniensis*
- *Betula lenta*
- *Betula papyrifera*
- *Betula populifolia*
- *Celastrus orbiculatus*
- *Cornus amomum*
- *Fagus grandifolia*
- *Frangula alnus*

Trees & Shrubs (cont.)

- *Fraxinus pennsylvanica*
- *Hamamelis virginiana*
- *Lonicera maackii*
- *Pinus strobus*
- *Populus deltoides*
- *Populus tremuloides*
- *Prunus serotina*
- *Prunus virginiana*
- *Quercus bicolor*
- *Quercus macrocarpa*
- *Quercus rubra*
- *Rhamnus cathartica*
- *Rhus typhina*
- *Salix bebbiana*
- *Salix discolor*
- *Salix lucida*
- *Syringa vulgaris*
- *Tsuga canadensis*
- *Ulmus americana*
- *Vaccinium corymbosum*
- *Viburnum dentatum*

Bryophytes (65 species)

Mosses

- *Atrichum angustatum*
- *Atrichum crispulum*
- *Aulacomnium palustre*
- *Barbula unguiculata*
- *Brachythecium campestre*
- *Brachythecium rivulare*
- *Bryhnia novae-angliae*
- *Bryum argenteum*
- *Callicladium haldanianum*
- *Calliergon cordifolium*
- *Calliergon giganteum*
- *Campylium chrysophyllum*
- *Ceratodon purpureus*
- *Climacium americanum*
- *Dicranella heteromalla*
- *Dicranum flagellare*
- *Dicranum fulvum*
- *Dicranum montanum*
- *Dicranum polysetum*
- *Dicranum scoparium*
- *Dicranum viride*
- *Ditrichum pusillum*
- *Entodon cladorrhizans*
- *Entodon seductrix*
- *Eurhynchium pulchellum*
- *Helodium paludosum*
- *Herzogiella striatella*
- *Hypnum imponens*
- *Hypnum lindbergii*
- *Hypnum pallescens*
- *Leptodictyum riparioides*
- *Leskea cf. gracillescens*
- *Leucobryum glaucum*
- *Orthotrichum obtusifolium*
- *Orthotrichum ohioense*
- *Orthotrichum sordidum*
- *Orthotrichum stellatum*
- *Physcomitrium pyriforme*
- *Plagiomnium cuspidatum*
- *Plagiomnium ellipticum*
- *Plagiothecium latebricola*
- *Platygyrium repens*
- *Pleurozium schreberi*
- *Pohlia nutans*
- *Polytrichum commune*
- *Polytrichum pallidisetum*
- *Pseudobryum cinclidioides*
- *Sphagnum capillifolium*
- *Sphagnum fimbriatum*
- *Sphagnum girgensohnii*
- *Sphagnum imbricatum*

- *Sphagnum palustre*
- *Tetraphis pellucida*
- *Thuidium delicatulum*
- *Ulota crispa*

Liverworts

- *Bazzania trilobata*
- *Cephalozia connivens*
- *Fossombronia cf. foveolata*
- *Frullania eboracensis*
- *Lophocolea heterophylla*
- *Nowellia curvifolia*
- *Odontoschisma denudata*
- *Ptilidium pulcherrimum*
- *Radula complanata*
- *Riccardia palmata*

Ferns & Allies (10 spp.)

- Bracken fern (*Pteridium aquilinum*)
- Cinnamon fern (*Osmundastrum cinnamomeum*)
- *Dryopteris carthusiana*
- Equisetaceae (horsetails)
- Intermediate wood fern (*Dryopteris intermedia*)
- Lady fern (*Athyrium filix-femina*)
- New York fern (*Parathelypteris noveboracensis*)
- *Onoclea sensibilis*
- Ostrich fern (*Matteuccia struthiopteris*)
- Royal fern (*Osmunda regalis*)

Berkshire Biodiversity Day 2022 – Birds: 66 Species

Waterfowl & Waterbirds

- Belted Kingfisher

Doves

- Mourning Dove

Game Birds

- American Woodcock

Raptors

- American Kestrel
- Barred Owl
- Broad-winged Hawk
- Cooper's Hawk
- Northern Harrier
- Short-eared Owl
- Turkey Vulture

Woodpeckers

- Downy Woodpecker
- Hairy Woodpecker
- Northern Flicker (Yellow-shafted)
- Red-bellied Woodpecker
- Yellow-bellied Sapsucker

Flycatchers

- Alder/Willow Flycatcher (Traill's Flycatcher)
- Eastern Phoebe
- Eastern Wood-Pewee
- Least Flycatcher
- Olive-sided Flycatcher
- Yellow-bellied Flycatcher

Vireos

- Philadelphia Vireo

Jays, Crows & Allies

- American Crow
- Blue Jay

Chickadees, Titmice & Nuthatches

- Black-capped Chickadee
- Tufted Titmouse
- White-breasted Nuthatch

Wrens

- Carolina Wren
- House Wren
- Winter Wren

Thrushes & Allies

- American Robin
- Eastern Bluebird
- Gray Catbird

Waxwings

- Cedar Waxwing

Sparrows

- Chipping Sparrow
- Lincoln's Sparrow
- Savannah Sparrow
- Song Sparrow
- Swamp Sparrow
- White-throated Sparrow

Finches & Allies

- American Goldfinch
- House Finch
- Purple Finch
- Rose-breasted Grosbeak

Blackbirds

- Common Grackle

Warblers

- American Redstart
- Bay-breasted Warbler
- Blackburnian Warbler
- Black-and-white Warbler
- Blackpoll Warbler
- Black-throated Green Warbler
- Common Yellowthroat
- Magnolia Warbler
- Northern Parula

- Northern Waterthrush
- Palm Warbler
- Tennessee Warbler
- Yellow-rumped Warbler

Cardinals & Tanagers

- Northern Cardinal
- Scarlet Tanager

Introduced Species

- European Starling
- House Sparrow

Berkshire Biodiversity Day 2022 – Arthropods: 137 Species

Springtails (8 species)

- *Entomobrya assuta*
- *Entomobrya clitellaria*
- *Entomobrya nivalis*
- *Homidia socia*
- *Lepidocyrtus paradoxus*
- *Pogonognathellus spp.*
- *Ptenothrix unicolor*
- *Tomocerus vulgaris*

Insects (104 species)

Ants, Bees & Wasps (Hymenoptera)

- *Aphaenogaster spp.*
- *Ammophila spp.*
- *Apis mellifera* (Western Honey Bee)
- *Bombus impatiens* (Common Eastern Bumble Bee)
- *Ceratina spp.*
- Chalcidoidea (superfamily)
- *Epeolus scutellaris*
- Exoristinae (tribe)
- *Lasioglossum* (genus)
- *Lasius americanus*
- *Lasius aphidicola*
- *Myrmica rubra*
- *Polistes fuscatus* (Northern Paper Wasp)
- *Prenolepis imparis* (Winter Ant)
- Tanytarsini (tribe)
- *Temnothorax longispinosus*
- *Amphibolips cookii* (gall wasp)

Beetles (Coleoptera)

- *Amara spp.*
- *Atomaria spp.*
- Contacyphon (family)

- *Corticaria spp.*
- *Cucujus clavipes*
- *Diabrotica undecimpunctata*
- *Enochrus spp.*
- *Harmonia axyridis* (Asian Lady Beetle)
- *Heterocerus fenestratus*
- *Labidomera clivicollis*
- *Megacyllene robiniae* (Locust Borer)
- *Sciaphilus asperatus*
- *Trirhabda borealis*

Butterflies & Moths (Lepidoptera)

- *Agriphila vulgivaagella*
- *Artias habes pascuellus* (identification uncertain)
- *Ctenucha virginica*
- *Coenonympha tullia* (Common Ringlet)
- *Colias eurytheme* (Orange Sulphur)
- *Colias philodice* (Clouded Sulphur)
- *Danaus plexippus* (Monarch)
- *Ectoedemia opulella*
- *Endria inimica*
- *Epiblema scudderiana*
- *Feltia jaculifera*
- Gelechiidae (family)
- *Hypercompe scribonia* (Giant Leopard Moth)
- *Idia aemula*
- *Noctua pronuba* (Large Yellow Underwing)
- *Parrhasius m-album* (White-M Hairstreak)
- *Phyllocnistis populiella*
- *Pieris rapae* (Cabbage White)
- *Pyrausta rubicalis*

- *Pyrractomena* spp.
- *Pyrrharctia isabella* (Isabella Tiger Moth)
- *Xestia c-nigrum*
- *Xestia smithii*
- Hummingbird moth (*Hemaris* spp.)
- Mourning Cloak (*Nymphalis antiopa*)

Dragonflies & Damselflies (Odonata)

- Common Green Darner (*Anax junius*)
- *Ischnura verticalis*
- Shadow Darner (*Aeshna umbrosa*)
- Autumn Meadowhawk (*Sympetrum vicinum*)

True Bugs (Hemiptera)

- *Acanalonia bivittata*
- *Ambrysellus curtisii*
- *Banasa calva*
- *Banasa dimidiata*
- *Boisea trivittata* (Boxelder Bug)
- *Chinavia hilaris* (Green Stink Bug)
- *Graphocephala gothica*
- *Hesperocorixa lobata*
- *Lepyronia* spp.
- *Lepyronia quadrangularis*
- *Longistigma caryae*
- *Lygaeus kalmii*
- *Monalocoris americanus*
- *Philaenus spumarius* (Meadow Spittlebug)
- *Populicerus* spp.
- *Publilia concava*
- *Ribautiana* spp.
- *Scaphoideus acutus*
- *Zelus luridus*

Flies (Diptera)

- Aphididae (family)

- Cecidomyiinae (subfamily)
- *Chaoborus punctipennis*
- *Coenosia* spp.
- *Drosophila* spp.
- *Eucoliae* spp.
- Limoniidae (family)
- *Lonchoptera* spp.
- *Lucilia* spp.
- *Pedicia albivitta*
- *Tipulas* spp.
- Tanypodinae (subfamily)
- *Eurosta solidaginis* (Goldenrod Gall Fly)
- *Rabdophaga strobiloides* (gall midge)
- *Rhopalomyia solidaginis* (gall midge)

Lacewings (Neuroptera)

- Hemerobiiformia (identification uncertain)

Caddisflies (Trichoptera)

- *Hydropsyche* spp.
- *Hydroptila* spp.
- *Triaenodes* spp.

Leafhoppers, Treehoppers & Cicadas

- Cicadoidea (superfamily)
- *Publilia concava*
- *Graphocephala gothica*
- *Ribautiana* spp.

Grasshoppers & Crickets (Orthoptera)

- *Allonemobius* spp.

Earwigs (Dermaptera)

- *Forficula auricularia* (European Earwig)

Barklice (Psocodea)

- Psocodea spp.

Arachnids (24 species)

Harvestmen (Order Opiliones)

- *Odiellus pictus*
- *Phalangium opilio*

Funnel Weavers (Family Agelenidae)

- *Agelenopsis utahana*

Orbweavers (Family Araneidae)

- *Araniella displicata*
- Araneidae (unidentified)

Meshweb Weavers (Family Dictynidae)

- *Emblyna annulipes*
- *Emblyna sublata*

Sheet Weavers (Family Linyphiidae)

- *Drapetisca alteranda*
- *Frontinella pyramitela*
- *Hypselistes florens*
- *Pityohyphantes pyramitela*
- Linyphiidae (unidentified)

Nursery Web Spiders (Family Pisauridae)

- *Pisaurina mira*

Long-jawed Orbweavers (Family Tetragnathidae)

- *Leucauge venusta*
- *Tetragnatha straminea*

Crab Spiders (Family Thomisidae)

- *Mecaphesa asperata*
- *Tmarus oblongatus*
- Thomisidae (unidentified)

Jumping Spiders (Family Salticidae)

- *Pelegriana galathea*
- *Synemosyna formica*
- Salticidae (unidentified)

Hackled Orbweavers (Family Uloboridae)

- *Hyptiotes cavaticus*

Mites (Family Chelicerata)

- *Eriphyes emarginatae* (gall mite)

Myriapods (1 species)

Millipedes

- *Petaserpes cryptocephalus* (Order Polyzoziida)

Berkshire Biodiversity Day 2022 – Fungi & Lichen: 81 Species

Fungi (63 species)

Ascomycetes

- *Hyalorbilia inflatula*
- *Hyalorbilia xanthostigma*
- *Peziza* spp.
- *Phaeocalicium polyporaeum* (Fairy Pin)
- *Stegophora ulmea* (Black Spot of Elm)

Boletes

- *Boletellus chrysenteriodes* (Cracked Cap Bolete)
- *Boletellus merulioides* (Ash Tree Bolete)
- *Boletus bicolor* (Two Colored Bolete)
- *Boletus* spp.
- *Leccinum* spp.
- *Suillus granulatus* (Dotted Stalk Suillus)

Coral Mushrooms

- *Clavicornia pyxidata* (Crown Tipped Coral)
- *Ramariopsis kunzei* (White Coral)

Crust Fungi

- *Stereum hirsutum* (Hairy False Turkey Tail)
- *Stereum lobatum* (False Turkey Tail)

Gilled Mushrooms

- *Armillaria mellea* (Honey Mushroom)
- *Cortinarius albobolaceus* (Silvery Violet Cort)
- *Cortinarius sphaerosporus*
- *Cortinarius* spp.
- *Crepidotus applanatus* (Common Crep)
- *Crepidotus mollis* (Jelly Crep)
- *Entoloma strictius* (Straight Stalked Entoloma)
- *Gymnopus* spp.
- *Hygrocybe* spp.
- *Hypholoma fasciculare* (Sulfur Tuft)
- *Inocybe albodisca* (White Disc Fiber Head)
- *Inocybe* spp.

- *Laccaria bicolor*
- *Laccaria laccata* (Deceiver)
- *Laccaria longipes* (Long Stalked Deceiver)
- *Lactarius gerardii* (Gerard's Milky)
- *Lactarius piperatus* (Peppery Milky)
- *Lactarius* spp.
- *Marasmius cohaerens* (Fused Marasmius)
- *Marasmius* spp.
- *Mycena galericulata* (Common Mycena)
- *Mycena leaiana* (Orange Mycena)
- *Mycena* spp.
- *Oxyporus populinus* (Mossy Maple Polypore)
- *Panellus stipticus* (Night Light)
- *Paxillus involutus* (Poison Pax)
- *Pluteus cervinus* (Deer Mushroom)
- *Psathyrella hydrophila* (Clustered Psathyrella)
- *Rhodocollybia maculata* (Spotted Collybia)
- *Russula brevipes* (Short Stalked Russula)
- *Russula mariae*
- *Russula* spp. (1)
- *Russula* spp. (2)

Other Fungi

- *Hypomyces chrysosperma* (Bolete Butcher)
- *Puccinia* spp. (Rust Fungus)
- *Hesperomyces virescens* (parasitic fungus on Lady Beetle)

Polypores

- *Ceriporia reticulata*
- *Cerioporus squamosus* (Dryad's Saddle)
- *Daedaleopsis confragosa* (Thin Maze Polypore)
- *Fomes fomentarius* (Tinder Polypore)
- *Fomitopsis betulinus* (Birch Polypore)
- *Ganoderma applanatum* (Artist's Conk)
- *Ganoderma tsugae* (Hemlock Varnish Conk)
- *Inonotus quercustris*
- *Irpex lacteus* (Milk White Tooth Polypore)
- *Picipes badius* (Black Footed Polypore)
- *Porodisculus conchifer* (Little Nest Polypore)

- *Trametes versicolor* (Turkey Tail)
- *Trichaptum biforme* (Violet Tooth Polypore)
- *Tyromyces chioneus* (Cheese Polypore)
- *Tyromyces fumidiceps*
- *Tyromyces* spp.

Puffballs

- *Scleroderma cepa* (Hard Ball)

Tooth Fungi

- *Mucronella* spp.
- *Radulomyces copelandii* (Asian Beauty)
- *Steccherinum ochraceum* (Spreading Yellow Tooth)

Lichens (18 spp.)

- *Buellia stillingiana* (uncertain identification)
- *Caloplaca feracissima* or *lithophila* (uncertain identification)
- *Caloplaca holocarpa* or *ahtii* (uncertain identification)
- *Candelaria concolor*
- *Cladonia caespiticia*
- *Cladonia chlorophaea* (uncertain identification)
- *Cladonia coniocraea*
- *Cladonia ochrochlora*
- *Cladonia* spp.
- *Flavoparmelia caperata*
- *Heterodermia*/*Imshaugia*/*Phaeophysica* (uncertain identification)
- *Lecanora circumborealis* (uncertain identification)
- *Lecanora dispersa* (uncertain identification)
- *Lecanora strobilina* (uncertain identification)
- *Parmelia sulcata*
- *Phaeophysica rubropulchra*
- *Physcia aipolia* (uncertain identification)
- *Physcia stellaris*

Berkshire Biodiversity Day 2022 – Herptiles: 4 Species

Amphibians

- Wood frog
- Leopard frog
- Red-backed Salamander

Reptiles

- Garter snake

Berkshire Biodiversity Day 2022 – Mammals: 4 Species

Mammals

- White-tailed deer
- Grey squirrel
- Eastern chipmunk
- Meadow vole