

2019

Berkshire BioBlitz Report



Introduction

A small, yet mighty, group of experts and local citizens gathered to celebrate the 10th annual Berkshire BioBlitz biodiversity survey. To mark the event the monarch butterflies were out in full force. The Berkshire Bioblitz took place on September 14-15 at [Springside Park](https://www.pittsfieldma.gov/2019/09/14/springside-park/), 874 North Street, Pittsfield MA. Springside Park is a 237.5 acre city park on the north side of the city.



The park is open year round to the public. Most of the park is wooded and open to hiking and walking, some parts have recreational areas, such as ballparks, playgrounds and bike paths. There is a building known as the Springside House constructed c. 1856. The house and park are listed on the National Register of Historic Places. The Herbert Arboretum, a formal flower garden and small ornamental tree orchard have been on the property since the 1960s. The arboretum also supports a teaching garden with vegetables and flowers. The central location of this park makes it ideal for many birds, both native and migratory. Year round bird watchers can be found wandering throughout the park.

More recently, in 2014 the park became the first of several Massachusetts communities to host a seedling orchard for the almost extinct American Chestnut tree. This species of tree was nearly wiped out in the early 1900s by an Asian bark blight. The American Chestnut Foundation is the impetus behind these efforts to bring back this native tree species. Local residents have come together to work on this project. More information can be found by contacting [The American Chestnut Foundation](#).

Species of Interest



The most exciting species observed at the 2019 Berkshire BioBlitz was hands down the Monarch Butterfly, *Danaus plexipus*. This is not a new species to our survey, but the numbers of this species were in the hundreds, much more than in the past years. According to Journey North, a citizen science partnership between experts in North America and Mexico that tracks the migration of the monarch butterfly; 2019 was an amazing year for these insects. Citizen science data submitted reported high numbers for eggs, larva and migrating adults mainly in the northeastern quarter of the U.S. and southern Canada. These numbers are the

highest seen in over a decade. They offer two reasons for this phenomenon; First there was a record number of adults in the overwintering sites in Mexico. And second, as the breeding season started in the northeast, the temperature and weather conditions were perfect for the milkweed host plants, this in turn allowed for quick development of the butterflies.

Springside Park is home to a little known, delicate perennial vascular plant called the American Hog Peanut, *Amphicarpaea bracteata*. Yes, it can be eaten. It produces two types of seeds, one at ground level, that eventually falls to the ground and grows a new plant, and another higher up the plant that produces pods similar to pea plants. Both of these seeds are edible, but not highly producing. Good for a snack, but not a meal. These plants have a symbiotic relationship with specific soil bacteria that form nodules on the roots that fix atmospheric nitrogen like all peanut plants.



The Pine Tree Spur-throated grasshopper *Malanoplus punctulatus* is a rarely seen insect. This is due to its cryptic coloration and his choice of habitat-on the sides of pine trees. An interesting tidbit is this grasshopper crawls rather than jumps. Not much research has been reported on this grasshopper and more studies are needed.

Species Survey



The 2019 Berkshire Bioblitz Tally:

Amphibians: 4
 Vascular Plants: 237
 Trees: 43
 Slime Molds: 2
 Insects: 55
 Ferns: 8
 Mollusks: 2
 Fungi: 29
 Annelid: 1
 Arachnid: 1
 Birds: 72
 Mammals: 5

TOTAL: 459

Berkshire Bioblitz 2019					
Scientist Name	Genus	Species	Notes	Number	General Group
Amphibians (4)					
Karen Murray	Plethodon	cinereus	red-backed salamander	1	amphibian
The McKays	Lithobates	sylvaticus	Wood frog	5	amphibian
Zack Adams	Pseudacris	crucifer	spring peeper	1	amphibian
Lisa Provencher	Anaxyrus	americanus	American toad	1	amphibian

Berkshire Bioblitz 2019					
Scientist Name	Genus	Species	Notes	Number	General Group
Vascular Plants (242)					
Rene Wendell	Gentianopsis	crinita	fringed gentian		vascular
Rene Wendell	Spiranthes	cernua	ladies tresses		vascular
Jeff Turner	Alliaria	petiolata	Garlic mustard - Gone to seed	2	Vascular
Jeff Turner	Lonicera	maackii	Honeysuckle species	12	Vascular
Jeff Turner	Euonymus	alatus	Burning bush	1	vascular
Jeff Turner	Rosa	multiflora	Multiflora rosa	1	vascular
Jeff Turner	Celastrus	orbiculatus	Oriental bittersweet	1	vascular
Charles Ducette	Linaria	vulgaris	Toadflax or bread and butter	1	vascular
Eric Doucette & Paige Howard	Abutilon	theophrasti	velvetleaf Indian-mallow		vascular
Eric Doucette & Paige Howard	Acalypha	rhomboidea	common three-seeded-Mercury		vascular
Eric Doucette & Paige Howard	Achillea	millefolium	common yarrow		vascular
Eric Doucette & Paige Howard	Actaea	×ludovici	hybird baneberry		vascular
Eric Doucette & Paige Howard	Actaea	pachypoda	white baneberry		vascular
Eric Doucette & Paige Howard	Actaea	rubra	red baneberry		vascular
Eric Doucette & Paige Howard	Aegopodium	podagraria	bishop's goutweed		vascular
Eric Doucette & Paige Howard	Agrimonia	gryposepala	common agrimony		vascular
Eric Doucette & Paige Howard	Agrimonia	striata	roadside agrimony		vascular
Eric Doucette & Paige Howard	Agrostis	capillaris	Rhode Island bentgrass		vascular

Eric Doucette & Paige Howard	Agrostis	gigantea	redtop bentgrass		vascular
Eric Doucette & Paige Howard	Agrostis	perennans	autumn bentgrass		vascular
Eric Doucette & Paige Howard	Agrostis	scabra	rough bentgrass		vascular
Eric Doucette & Paige Howard	Ajuga	reptans	carpet bugle		vascular
Eric Doucette & Paige Howard	Alisma	subcordatum	southern water-plantain		vascular
Eric Doucette & Paige Howard	Alliaria	petiolata	garlic-mustard		vascular
Eric Doucette & Paige Howard	Ambrosia	artemisiifolia	common ragweed		vascular
Eric Doucette & Paige Howard	Amelanchier	arborea	downy shadbush		vascular
Eric Doucette & Paige Howard	Ampelopsis	glandulosa	Amur peppervine		vascular
Eric Doucette & Paige Howard	Amphicarpaea	bracteata	American hog-peanut		vascular
Eric Doucette & Paige Howard	Anaphalis	margaritacea	pearly everlasting		vascular
Eric Doucette & Paige Howard	Andropogon	gerardi	big bluestem		vascular
Eric Doucette & Paige Howard	Anemone	americana	blunt-lobed hepatica		vascular
Eric Doucette & Paige Howard	Anemone	virginiana	tall windflower		vascular
Eric Doucette & Paige Howard	Antennaria	parlinii	Parlin's pussytoes		vascular
Eric Doucette & Paige Howard	Anthoxanthum	odoratum	large sweet grass		vascular
Eric Doucette & Paige Howard	Apocynum	androsaemifolium	spreading dogbane		vascular
Eric Doucette & Paige Howard	Aquilegia	canadensis	red columbine		vascular
Eric Doucette & Paige Howard	Aralia	nudicaulis	wild sarsaparilla		vascular
Eric Doucette & Paige Howard	Arctium	minus	common burdock		vascular
Eric Doucette & Paige Howard	Arisaema	triphyllum	Jack-in-the-pulpit		vascular
Eric Doucette & Paige Howard	Artemisia	vulgaris	common wormwood		vascular

Eric Doucette & Paige Howard	Asarum	canadense	Canada wild ginger		vascular
Eric Doucette & Paige Howard	Asclepias	syriaca	common milkweed		vascular
Eric Doucette & Paige Howard	Asplenium	platyneuron	ebony spleenwort		vascular
Eric Doucette & Paige Howard	Barbarea	vulgaris	garden yellow-rocket		vascular
Eric Doucette & Paige Howard	Berberis	thunbergii	Japanese barberry		vascular
Eric Doucette & Paige Howard	Bidens	cernua	nodding beggar-ticks		vascular
Eric Doucette & Paige Howard	Bidens	frondosa	Devil's beggar-ticks		vascular
Eric Doucette & Paige Howard	Brachyelytrum	erectum	southern long-awned wood grass		vascular
Eric Doucette & Paige Howard	Bromus	inermis	smooth brome		vascular
Eric Doucette & Paige Howard	Bromus	kalmii	Kalm's brome		vascular
Eric Doucette & Paige Howard	Calystegia	sepium	hedge false bindweed		vascular
Eric Doucette & Paige Howard	Cardamine	impatiens	narrow-leaved bitter-cress		vascular
Eric Doucette & Paige Howard	Cardamine	pensylvanica	Pennsylvania bitter-cress		vascular
Eric Doucette & Paige Howard	Cardamine	pratensis	pink cuckoo bitter-cress		vascular
Eric Doucette & Paige Howard	Carex	debilis	white-edged sedge		vascular
Eric Doucette & Paige Howard	Carex	flava	yellow-green sedge		vascular
Eric Doucette & Paige Howard	Carex	hystericina	porcupine sedge		vascular
Eric Doucette & Paige Howard	Carex	lurida	sallow sedge		vascular
Eric Doucette & Paige Howard	Carex	pallescent	pale sedge		vascular
Eric Doucette & Paige Howard	Carex	plantaginea	plantain-leaved sedge		vascular
Eric Doucette & Paige Howard	Carex	platyphylla	broad-leaved sedge		vascular
Eric Doucette & Paige Howard	Carex	scoparia	pointed broom sedge		vascular

Eric Doucette & Paige Howard	Carex	swanii	Swan's sedge		vascular
Eric Doucette & Paige Howard	Caulophyllum	thalictroides	blue cohosh		vascular
Eric Doucette & Paige Howard	Celastrus	orbiculatus	Asian bittersweet		vascular
Eric Doucette & Paige Howard	Centaurium	pulchellum	branched centaury		vascular
Eric Doucette & Paige Howard	Cerastium	arvense	field chickweed		vascular
Eric Doucette & Paige Howard	Chelone	glabra	white turtlehead		vascular
Eric Doucette & Paige Howard	Chenopodium	album	white goosefoot		vascular
Eric Doucette & Paige Howard	Cichorium	intybus	chicory		vascular
Eric Doucette & Paige Howard	Cicuta	maculata	spotted water-hemlock		vascular
Eric Doucette & Paige Howard	Circaea	canadensis	broad-leaved enchanter's-nightshade		vascular
Eric Doucette & Paige Howard	Cirsium	vulgare	common thistle		vascular
Eric Doucette & Paige Howard	Clinopodium	vulgare	wild basil		vascular
Eric Doucette & Paige Howard	Convallaria	majalis	European lily-of-the-valley		vascular
Eric Doucette & Paige Howard	Crataegus	fretalis	Long Island Sound hawthorn		vascular
Eric Doucette & Paige Howard	Crepis	tectorum	narrow-leaved hawk's-beard		vascular
Eric Doucette & Paige Howard	Cryptotaenia	canadensis	Canada honewort		vascular
Eric Doucette & Paige Howard	Dactylis	glomerata	orchard grass		vascular
Eric Doucette & Paige Howard	Danthonia	spicata	poverty oatgrass		vascular
Eric Doucette & Paige Howard	Daucus	carota	wild carrot		vascular
Eric Doucette & Paige Howard	Dendrolycopodium	hickeyi	Hickey's tree-clubmoss		vascular
Eric Doucette & Paige Howard	Dichanthelium	sphaerocarpon	round-fruited rosette-panicgrass		vascular
Eric Doucette & Paige Howard	Digitaria	sanguinalis	hairy crabgrass		vascular

Eric Doucette & Paige Howard	Echinochloa	crus-galli	common barnyard grass		vascular
Eric Doucette & Paige Howard	Echinocystis	lobata	wild cucumber		vascular
Eric Doucette & Paige Howard	Echinops	sphaerocephalus	greater globe-thistle		vascular
Eric Doucette & Paige Howard	Eleocharis	acicularis	needle spikesedge		vascular
Eric Doucette & Paige Howard	Eleocharis	obtusa	blunt spikesedge		vascular
Eric Doucette & Paige Howard	Elymus	hystrix	eastern bottle-brush grass		vascular
Eric Doucette & Paige Howard	Epifagus	virginiana	beech-drops		vascular
Eric Doucette & Paige Howard	Epilobium	ciliatum	fringed willow-herb		vascular
Eric Doucette & Paige Howard	Epipactis	helleborine	broad-leaved helleborine		vascular
Eric Doucette & Paige Howard	Equisetum	arvense	field horsetail		vascular
Eric Doucette & Paige Howard	Eragrostis	pectinacea	tufted lovegrass		vascular
Eric Doucette & Paige Howard	Erechtites	hieraciifolius	American burnweed		vascular
Eric Doucette & Paige Howard	Erigeron	annuus	annual fleabane		vascular
Eric Doucette & Paige Howard	Erysimum	cheiranthoides	wormseed wallflower		vascular
Eric Doucette & Paige Howard	Eupatorium	perfoliatum	boneset thoroughwort		vascular
Eric Doucette & Paige Howard	Euphorbia	cyparissias	cypress spurge		vascular
Eric Doucette & Paige Howard	Euphorbia	maculata	spotted sandmat		vascular
Eric Doucette & Paige Howard	Eurybia	divaricata	white wood-aster		vascular
Eric Doucette & Paige Howard	Eurybia	macrophylla	large-leaved wood-aster		vascular
Eric Doucette & Paige Howard	Euthamia	graminifolia	common grass-leaved-goldenrod		vascular
Eric Doucette & Paige Howard	Eutrochium	maculatum	spotted Joe-Pye weed		vascular
Eric Doucette & Paige Howard	Fragaria	virginiana	Virginian strawberry		vascular

Eric Doucette & Paige Howard	Galium	mollugo	whorled bedstraw		vascular
Eric Doucette & Paige Howard	Gentianopsis	crinita	greater fringed-gentian		vascular
Eric Doucette & Paige Howard	Geranium	robertianum	mountain crane's-bill		vascular
Eric Doucette & Paige Howard	Geum	rivale	water avens		vascular
Eric Doucette & Paige Howard	Gnaphalium	uliginosum	brown cudweed		vascular
Eric Doucette & Paige Howard	Hedera	helix	English-ivy		vascular
Eric Doucette & Paige Howard	Helianthus	decapetalus	thin-leaved sunflower		vascular
Eric Doucette & Paige Howard	Hesperis	matronalis	dame's-rocket		vascular
Eric Doucette & Paige Howard	Hieracium	caespitosum	yellow king-devil		vascular
Eric Doucette & Paige Howard	Hieracium	scabrum	rough hawkweed		vascular
Eric Doucette & Paige Howard	Hydrophyllum	virginianum	eastern waterleaf		vascular
Eric Doucette & Paige Howard	Impatiens	capensis	spotted touch-me-not		vascular
Eric Doucette & Paige Howard	Impatiens	pallida	pale touch-me-not		vascular
Eric Doucette & Paige Howard	Iris	pseudacorus	yellow iris		vascular
Eric Doucette & Paige Howard	Iris	versicolor	blue iris		vascular
Eric Doucette & Paige Howard	Juncus	acuminatus	sharp-fruited rush		vascular
Eric Doucette & Paige Howard	Juncus	brachycephalus	small-headed rush		vascular
Eric Doucette & Paige Howard	Juncus	dudleyi	Dudley's rush		vascular
Eric Doucette & Paige Howard	Juncus	effusus	common soft rush		vascular
Eric Doucette & Paige Howard	Juncus	tenuis	path rush		vascular
Eric Doucette & Paige Howard	Lactuca	canadensis	tall lettuce		vascular
Eric Doucette & Paige Howard	Lapsana	communis	common nipplewort		vascular

Eric Doucette & Paige Howard	Leucanthemum	vulgare	ox-eye daisy		vascular
Eric Doucette & Paige Howard	Linaria	vulgaris	butter-and-eggs toadflax		vascular
Eric Doucette & Paige Howard	Lobelia	inflata	bladder-pod lobelia		vascular
Eric Doucette & Paige Howard	Luzula	multiflora	common wood rush		vascular
Eric Doucette & Paige Howard	Lycopus	uniflorus	northern water-horehound		vascular
Eric Doucette & Paige Howard	Lysimachia	nummularia	creeping yellow-loosestrife		vascular
Eric Doucette & Paige Howard	Lythrum	salicaria	purple loosestrife		vascular
Eric Doucette & Paige Howard	Maianthemum	racemosum	feathery false Solomon's-seal		vascular
Eric Doucette & Paige Howard	Matricaria	discoidea	rayless chamomile		vascular
Eric Doucette & Paige Howard	Medicago	lupulina	black medick		vascular
Eric Doucette & Paige Howard	Melilotus	albus	white sweet-clover		vascular
Eric Doucette & Paige Howard	Mentha	×piperita	Peppermint		vascular
Eric Doucette & Paige Howard	Mollugo	verticillata	green carpetweed		vascular
Eric Doucette & Paige Howard	Monarda	fistulosa	wild bee-balm		vascular
Eric Doucette & Paige Howard	Muhlenbergia	sylvatica	woodland muhly		vascular
Eric Doucette & Paige Howard	Myosoton	aquaticum	giant-chickweed		vascular
Eric Doucette & Paige Howard	Nabalus	altissimus	tall rattlesnake-root		vascular
Eric Doucette & Paige Howard	Ostrya	virginiana	hop-hornbeam		vascular
Eric Doucette & Paige Howard	Oxalis	stricta	common yellow wood sorrel		vascular
Eric Doucette & Paige Howard	Packera	aurea	golden groundsel		vascular
Eric Doucette & Paige Howard	Panicum	capillare	witch panicgrass		vascular
Eric Doucette & Paige Howard	Parthenocissus	quinquefolia	Virginia-creeper		vascular

Eric Doucette & Paige Howard	Pastinaca	sativa	wild parsnip		vascular
Eric Doucette & Paige Howard	Patis	racemosa	black-seeded mountain-rice grass		vascular
Eric Doucette & Paige Howard	Persicaria	hydropiper	water-pepper smartweed		vascular
Eric Doucette & Paige Howard	Persicaria	hydropiperoide s	false water-pepper smartweed		vascular
Eric Doucette & Paige Howard	Persicaria	punctata	dotted smartweed		vascular
Eric Doucette & Paige Howard	Persicaria	virginiana	jumpseed		vascular
Eric Doucette & Paige Howard	Phleum	pratense	common Timothy		vascular
Eric Doucette & Paige Howard	Phragmites	australis	common reed		vascular
Eric Doucette & Paige Howard	Physocarpus	opulifolius	Atlantic ninebark		vascular
Eric Doucette & Paige Howard	Phytolacca	americana	American pokeweed		vascular
Eric Doucette & Paige Howard	Pilea	pumila	Canada clearweed		vascular
Eric Doucette & Paige Howard	Plantago	lanceolata	English plantain		vascular
Eric Doucette & Paige Howard	Plantago	major	common plantain		vascular
Eric Doucette & Paige Howard	Plantago	rugelii	Rugel's plantain		vascular
Eric Doucette & Paige Howard	Poa	palustris	fowl blue grass		vascular
Eric Doucette & Paige Howard	Poa	pratensis	Kentucky blue grass		vascular
Eric Doucette & Paige Howard	Polygonum	aviculare	dooryard knotweed		vascular
Eric Doucette & Paige Howard	Potentilla	simplex	old-field cinquefoil		vascular
Eric Doucette & Paige Howard	Prunella	vulgaris	common selfheal		vascular
Eric Doucette & Paige Howard	Ranunculus	abortivus	kidney-leaved crowfoot		vascular
Eric Doucette & Paige Howard	Ranunculus	fascicularis	early crowfoot		vascular
Eric Doucette & Paige Howard	Reynoutria	japonica	Japanese knotweed		vascular

Eric Doucette & Paige Howard	Rorippa	palustris	common yellow-cress		vascular
Eric Doucette & Paige Howard	Rosa	multiflora	rambler rose		vascular
Eric Doucette & Paige Howard	Rubus	allegheniensis	common blackberry		vascular
Eric Doucette & Paige Howard	Rubus	canadensis	smooth blackberry		vascular
Eric Doucette & Paige Howard	Rubus	flagellaris	northern blackberry		vascular
Eric Doucette & Paige Howard	Rubus	occidentalis	black raspberry		vascular
Eric Doucette & Paige Howard	Rudbeckia	hirta	black-eyed coneflower		vascular
Eric Doucette & Paige Howard	Rumex	acetosella	sheep dock		vascular
Eric Doucette & Paige Howard	Rumex	crispus	curly dock		vascular
Eric Doucette & Paige Howard	Rumex	obtusifolius	bitter dock		vascular
Eric Doucette & Paige Howard	Salix	alba	white willow		vascular
Eric Doucette & Paige Howard	Salix	discolor	pussy willow		vascular
Eric Doucette & Paige Howard	Salix	eriocephala	heart-leaved willow		vascular
Eric Doucette & Paige Howard	Salix	lucida	shining willow		vascular
Eric Doucette & Paige Howard	Salix	petiolaris	meadow willow		vascular
Eric Doucette & Paige Howard	Schedonorus	pratensis	meadow rye grass		vascular
Eric Doucette & Paige Howard	Schoenoplectus	tabernaemontani	soft-stemmed bulrush		vascular
Eric Doucette & Paige Howard	Scirpus	atrovirens	dark-green bulrush		vascular
Eric Doucette & Paige Howard	Scirpus	hattorianus	mosquito bulrush		vascular
Eric Doucette & Paige Howard	Scorzoneroideis	autumnalis	fall-dandelion		vascular
Eric Doucette & Paige Howard	Senecio	vulgaris	common ragwort		vascular
Eric Doucette & Paige Howard	Setaria	pumila	yellow foxtail		vascular

Eric Doucette & Paige Howard	Silene	vulgaris	bladder campion		vascular
Eric Doucette & Paige Howard	Silphium	perfoliatum	cup-plant rosinweed		vascular
Eric Doucette & Paige Howard	Solanum	dulcamara	climbing nightshade		vascular
Eric Doucette & Paige Howard	Solidago	altissima	tall goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	arguta	forest goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	bicolor	white goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	caesia	axillary goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	canadensis	Canada goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	flexicaulis	ziz-zag goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	gigantea	smooth goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	hispida	hairy goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	juncea	early goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	nemoralis	gray goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	patula	rough-leaved goldenrod		vascular
Eric Doucette & Paige Howard	Solidago	rugosa	common wrinkle-leaved goldenrod		vascular
Eric Doucette & Paige Howard	Sorghum	halepense	Johnson grass		vascular
Eric Doucette & Paige Howard	Spiraea	alba	white meadowsweet		vascular
Eric Doucette & Paige Howard	Stellaria	graminea	grass-leaved stitchwort		vascular
Eric Doucette & Paige Howard	Swida	alternifolia	alternate-leaved dogwood		vascular
Eric Doucette & Paige Howard	Swida	sericea	red-osier dogwood		vascular
Eric Doucette & Paige Howard	Symphotrichum	ciliolatum	Lindley's American-aster		vascular
Eric Doucette & Paige Howard	Symphotrichum	cordifolium	heart-leaved American-aster		vascular

Eric Doucette & Paige Howard	Symphyotrichum	ericoides	heath American-aster		vascular
Eric Doucette & Paige Howard	Symphyotrichum	lanceolatum	lance-leaved American-aster		vascular
Eric Doucette & Paige Howard	Symphyotrichum	novae-angliae	New England American-aster		vascular
Eric Doucette & Paige Howard	Symphyotrichum	pilosum	awl American-aster		vascular
Eric Doucette & Paige Howard	Symphyotrichum	puniceum	purple-stemmed American-aster		vascular
Eric Doucette & Paige Howard	Tanacetum	vulgare	common tansy		vascular
Eric Doucette & Paige Howard	Taraxacum	officinale	common dandelion		vascular
Eric Doucette & Paige Howard	Thalictrum	dioicum	early meadow-rue		vascular
Eric Doucette & Paige Howard	Thymus	pulegioides	lemon thyme		vascular
Eric Doucette & Paige Howard	Torilis	japonica	erect hedge-parsley		vascular
Eric Doucette & Paige Howard	Toxicodendron	rydbergii	western poison-ivy		vascular
Eric Doucette & Paige Howard	Trifolium	aureum	palmate hop clover		vascular
Eric Doucette & Paige Howard	Trifolium	pratense	red clover		vascular
Eric Doucette & Paige Howard	Trifolium	repens	white clover		vascular
Eric Doucette & Paige Howard	Tussilago	farfara	coltsfoot		vascular
Eric Doucette & Paige Howard	Typha	angustifolia	narrow-leaved cat-tail		vascular
Eric Doucette & Paige Howard	Typha	latifolia	broad-leaved cat-tail		vascular
Eric Doucette & Paige Howard	Uvularia	perfoliata	perfoliate bellwort		vascular
Eric Doucette & Paige Howard	Verbena	urticifolia	white vervain		vascular
Eric Doucette & Paige Howard	Veronica	officinalis	common speedwell		vascular
Eric Doucette & Paige Howard	Viburnum	dentatum	smooth arrowwood		vascular
Eric Doucette & Paige Howard	Viburnum	lentago	nannyberry		vascular

Eric Doucette & Paige Howard	Vicia	cracca	bird vetch		vascular
Eric Doucette & Paige Howard	Viola	sororia	woolly blue violet		vascular
Eric Doucette & Paige Howard	Vitis	aestivalis	summer grape		vascular
Eric Doucette & Paige Howard	Zizia	aurea	common golden Alexanders		vascular

Berkshire Bioblitz 2019					
Scientist Name	Genus	Species	Notes	Number	General Group
Trees (46)					
Jeff Turner	Crataegus	monogyna	Hawthorne - fruiting	1	Tree
Jeff Turner	Acer	palmatum	Japanese maple	1	Tree
Jeff Turner	Cornus	kousa	Kousa dogwood	2	Tree
Jeff Turner	Acer	saccharinum	Silver maple	12	Tree
Jeff Turner	Acer	saccharum	Sugar maple	3	Tree
Zack Adams	Pinus	strobus	White pine	1	Tree
Zack Adams	Betula	populifolia	Gray birch	1	Tree
Eric Doucette and Paige Howard	<i>Betula</i>	alleghaniensis	yellow birch		tree
Eric Doucette and Paige Howard	<i>Betula</i>	lenta	cherry birch		tree
Eric Doucette and Paige Howard	<i>Betula</i>	papyrifera	paper birch		tree
Eric Doucette and Paige Howard	<i>Betula</i>	populifolia	gray birch		tree
Eric Doucette and Paige Howard	<i>Carpinus</i>	caroliniana	American hornbeam		tree
Eric Doucette and Paige Howard	<i>Carya</i>	cordiformis	bitternut hickory		tree
Eric Doucette and Paige Howard	<i>Carya</i>	glabra	pignut hickory		tree
Eric Doucette and Paige Howard	<i>Elaeagnus</i>	umbellata	autumn-olive		tree
Eric Doucette and Paige Howard	<i>Euonymus</i>	alatus	winged spindle-tree		tree
Eric Doucette and Paige Howard	<i>Fagus</i>	sylvatica	European beech		tree
Eric Doucette and Paige Howard	<i>Frangula</i>	alnus	glossy false		tree

			buckthorn		
Eric Doucette and Paige Howard	<i>Fraxinus</i>	americana	white ash		tree
Eric Doucette and Paige Howard	<i>Fraxinus</i>	pennsylvanica	green ash		tree
Eric Doucette and Paige Howard	<i>Hamamelis</i>	virginiana	American witch-hazel		tree
Eric Doucette and Paige Howard	<i>Juglans</i>	cinerea	white walnut		tree
Eric Doucette and Paige Howard	<i>Lindera</i>	benzoin	northern spicebush		tree
Eric Doucette and Paige Howard	<i>Lonicera</i>	morrowii	Morrow's honeysuckle		tree
Eric Doucette and Paige Howard	<i>Malus</i>	pumila	cultivated apple		tree
Eric Doucette and Paige Howard	<i>Picea</i>	rubens	red spruce		tree
Eric Doucette and Paige Howard	<i>Pinus</i>	strobus	eastern white pine		tree
Eric Doucette and Paige Howard	<i>Pinus</i>	sylvestris	Scotch pine		tree
Eric Doucette and Paige Howard	<i>Populus</i>	alba	white poplar		tree
Eric Doucette and Paige Howard	<i>Populus</i>	deltoides	necklace poplar		tree
Eric Doucette and Paige Howard	<i>Populus</i>	tremuloides	quaking poplar		tree
Eric Doucette and Paige Howard	<i>Prunus</i>	pensylvanica	pin cherry		tree
Eric Doucette and Paige Howard	<i>Prunus</i>	serotina	black cherry		tree
Eric Doucette and Paige Howard	<i>Prunus</i>	virginiana	choke cherry		tree
Eric Doucette and Paige Howard	<i>Quercus</i>	rubra	northern red oak		tree
Eric Doucette and Paige Howard	<i>Rhamnus</i>	cathartica	European buckthorn		tree
Eric Doucette and Paige Howard	<i>Rhus</i>	typhina	staghorn sumac		tree
Eric Doucette and Paige Howard	<i>Robinia</i>	pseudoacacia	black locust		tree
Eric Doucette and Paige Howard	<i>Tilia</i>	americana	American linden		tree
Eric Doucette and Paige Howard	<i>Tilia</i>	cordata	small-leaved linden		tree
Eric Doucette and Paige Howard	<i>Ulmus</i>	americana	American elm		tree
Eric Doucette and Paige Howard	<i>Viburnum</i>	opulus	highbush-cranberry		tree
Eric Doucette and Paige Howard	<i>Acer</i>	platanooides	Norway maple		tree
Eric Doucette and Paige Howard	<i>Acer</i>	rubrum	red maple		tree
Eric Doucette and Paige Howard	<i>Acer</i>	saccharinum	silver maple		tree
Eric Doucette and Paige Howard	<i>Acer</i>	saccharum	sugar maple		tree

Berkshire Bioblitz 2019					
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Slime Molds (2)					
John Wheeler	Ceratiomyxa	fruticulosa	coral slime		slime
John Wheeler	Trichia	varia	white slime mold		slime mold

Berkshire Bioblitz 2019					
Scientist Name	Genus	Species	Notes	Number	General Group
Insects (55)					
Lisa Provencher	Gyrinus	sp?	whirlygig beetle		Coleoptera
Lisa Provencher	Acrilius	sp?	predacious diving beetle (larva)		Coleoptera
Lisa Provencher	Phalacridae	sp?	shining flower beetle		Coleoptera
Lisa Provencher	Staphylinaea	sp?	rove beetle		Coleoptera
Lisa Provencher	Curculio	sp?	weevil		Coleoptera
Lisa Provencher	Leptocletes	sp?	net-winged beetle		Coleoptera
Lisa Provencher	Mordelliade	sp?	tumbling flower beetle		Coleoptera
Lisa Provencher	Forficula	auricularia	European earwing		Dermaptera
Lisa Provencher	Toxomerus	sp?	Syrphidae Drone fly		Diptera
Lisa Provencher	Tachinidae	sp?	tachinid fly		Diptera
Lisa Provencher	Eristalis	dimidiata	syrphid flower fly		Diptera
Lisa Provencher	muscidae	sp?	muscid fly		Diptera
Lisa Provencher	Tipulinae	sp?	green eyed crane fly		Diptera

Lisa Provencher	Chiromidae	sp?	gnat larva		Diptera
Lisa Provencher	Graphomya	sp?	muscid fly		Diptera
Lisa Provencher	Gymnocheta	sp?	Green Tachinidae fly		Diptera
Lisa Provencher	Eurosta	solidaginis	goldenrod gall fly		Diptera
Lisa Provencher	Sarcophaga	aldrichi	friendly fly		Diptera
Karen Murray	elmidae	sp?	midge larva		Diptera
Lisa Provencher	Graphocephala	coccinea	red banded leaf hopper		Hemiptera
Lisa Provencher	Acanthocephala	terminalis	leaf footed bug		Hemiptera
Lisa Provencher	Anasa	tristis	squash bug		Hemiptera
Lisa Provencher	Corixidae	sp?	water boatman		Hemiptera
Lisa Provencher	Hesperocorixa	lobata	water boatman		Hemiptera
Lisa Provencher	Coelidia	olitoria	leaf hopper		Hemiptera
Karen Murray	Gerris	sp?	water strider		Hemiptera
Karen Murray	undulata	sp?	backswimmer bug		Hemiptera
Lisa Provencher	Villa	sp?	beefly		hymenoptera
Lisa Provencher	Apis	mellifera	honey bee		Hymenoptera
Lisa Provencher	Xylocopa	virginica	carpenter bee		Hymenoptera
Lisa Provencher	Camponotus	novaeboracensis	carpenter ant		Hymenoptera
Lisa Provencher	Polistes	fuscatus	Northern paper wasp		Hymenoptera
Lisa Provencher	Dolichovesula	maculata	bald-faced hornet		Hymenoptera
Lisa Provencher	Eumeninae	sp?	mason wasp		Hymenoptera
Lisa Provencher	Lucilia	sericata	common green bottle fly		Hymenoptera
Lisa Provencher	Bombus	impatiens	common eastern bumble bee		Hymenoptera
Lisa Provencher	Cecidomyiidae	sp?	gall on New England Aster		Hymenoptera
The McKays	Lophocampa	caryae	Hickory tussock moth		Lepidoptera
Lisa Provencher	Euchaetes	egle	milkweed tussock caterpillar		Lepidoptera
Lisa Provencher	Pyrrhantia	isabella	Isabella Tiger moth caterpillar		Lepidoptera
Lisa Provencher	Noctua	pronuba	large yellow underwing		Lepidoptera
Lisa Provencher	Campaea	perlata	pale beauty moth		Lepidoptera

Rene Wendell	Danaus	plexippus	monarch butterfly		Lepidoptera
Rene Wendell	Vanessa	atalanta	red admiral butterfly		Lepidoptera
Rene Wendell	Vanessa	cardui	painted lady butterfly		Lepidoptera
Lisa Provencher	Panorpa	sp?	scorpion fly		Mecoptera
Lisa Provencher	Sialidae	sp?	Alderfly		Megaloptera
Lisa Provencher	libellula	quadrimaculata	4 spotted skimmer dragonfly		Odonata
Karen Murray	Ashnindae	sp?	darnier dragonfly		Odonata
Karen Murray	Libellula	sp?	skimmer dragonfly		Odonata
Karen Murray	Gomphus	sp?	clubtail dragonfly		Odonata
Lisa Provencher	Melanoplus	punctualatus	grizzled spur-throated grasshopper		Orthoptera
Lisa Provencher	Orphulella	speciosa	pasture grasshopper		Orthoptera
Lisa Provencher	Gryllus	pennsylvanicus	fall field cricket		Orthoptera
Lisa Provencher	Melanoplus	femurubium	red-legged grasshopper		Orthoptera

Berkshire Bioblitz 2019					
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Ferns (8)					
Eric Doucette and Paige Howard	Adiantum	pedatum	northern maidenhair fern		fern
Eric Doucette and Paige Howard	Athyrium	angustum	northern lady fern		fern
Eric Doucette and Paige Howard	Botrychium	virginianum	rattlesnake fern		fern
Eric Doucette and Paige Howard	Dryopteris	intermedia	evergreen wood fern		fern
Eric Doucette and Paige Howard	Dryopteris	marginalis	marginal wood fern		fern

Eric Doucette and Paige Howard	Parathelypteris	noveboracensis	New York fern		fern
Eric Doucette and Paige Howard	Thelypteris	palustris	marsh fern		fern

Berkshire Bioblitz 2019					
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Mollusks (2)					
Jason Crockwell	Arion	subfuscus	common slug		mollusk
Jason Crockwell	Arion	ater	black slug		mollusk

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Mushrooms (29)					
John Wheeler	Bisporella	citrina			Fungi
John Wheeler	Marasmius	rotula	Horsehair on oak leaves		Fungi
John Wheeler	Phlebia	radiata			Fungi
John Wheeler	Stereum	complicatum	on maple		Fungi
John Wheeler	Trametes	versicolor	turkey tail		Fungi
John Wheeler	Trichaptum	biforme	violet tooth		Fungi
John Wheeler	Ganoderma	applanatum	artist's conch		Fungi
John Wheeler	Irpex	lacteus	milk tooth		Fungi
John Wheeler	Fomitopsis (formerly Piptoporus)	betulinus	birch polypore		Fungi
John Wheeler	Oxyporus	populinus	mossy maple polypore		Fungi

John Wheeler	Daldinia	concentrica	carbon balls		Fungi
John Wheeler	Cerrena	unicolor	info from mushroom expert.com		Fungi
John Wheeler	Oudemansiella	megalaspora			Fungi
John Wheeler	Tyromyces	chioneus	white cheese polypore		Fungi
John Wheeler	Tricholoma	odorum	info from muchroom expert.com		Fungi
John Wheeler	Armillaria	gallica	honey mushroom		Fungi
John Wheeler	Cyathus	striatus	bird's nest fungus		Fungi
John Wheeler	Psathyrella	conissans			Fungi
John Wheeler	Gymnopilus	penetrans	common rustgill		Fungi
John Wheeler	Coprinus	sp			Fungi
John Wheeler	Laccaria	laccata	info from mushroom expert.com		Fungi
John Wheeler	Pluteus	cervinus	info from mushroom expert.com		Fungi
John Wheeler	Polyporus	varius	info from mushroom expert.com		Fungi
John Wheeler	Russula	sp			Fungi
John Wheeler	Mycena	sp			Fungi
John Wheeler	Marasmius	sp			Fungi
John Wheeler	Clitocybe	sp			Fungi
John Wheeler	Xeromphalina	kaufmanii			Fungi
John Wheeler	Entoloma	sp			Fungi

Berkshire Bioblitz 2019					
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Worms					
Lisa Provencher	<i>Lumbricus</i>	<i>terrestris</i>	common Earth worm		Annelid

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Aracnids (1)					
Lisa Provencher	Argiope	aurantia	garden spider		Arachnid

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Birds (72)					
Charles Ducette	Corvus	brachyrhynchos	American Crow	6	Bird
Charles Ducette	Turdus	migratorius	American robin - working berry bushes	15-20	Bird
Charles Ducette	Colaptes	auratus	Northern flicker - working berry bushes	4-6	Bird
Charles Ducette	Poecile	atricapillus	Black-capped Chickadee	2	Bird
Charles Ducette	Cyanocitta	cristata	Blue jay	3	Bird
Charles Ducette	Dumetella	carolinensis	Gray Catbird	3	Bird
Charles Ducette	Melospiza	melodia	Song sparrow	6	Bird
Charles Ducette	Geothlypis	trichas	Common yellowthroat	3	Bird
Charles Ducette	Sayornis	phoebe	Eastern phoebe	1	Bird
Charles Ducette	Troglodytes	aedon	House wren -	2	Bird
Charles Ducette			Warbler Species	1	Bird

Charles Ducette			Woodpecker Species	1	Bird
Zack Adams	Vireo	olivaceus	Red eyed vireo	1	Bird
Zack Adams			Cardinal	1	Bird
Rene Wendell	Branta	canadensis	Canada goose		bird
Rene Wendell	Zenaida	macrooura	Mourning dove		bird
Rene Wendell	Archilochus	colubris	ruby throated hummingbird		bird
Rene Wendell	Cathartes	aura	turkey vulture		bird
Rene Wendell	Accipiter	cooperii	cooper's hawk		bird
Rene Wendell	Buteo	platypterus	broadwind hawk		bird
Rene Wendell	Buteo	jamaicensi	red tail hawk		bird
Rene Wendell	Sphyrapicus	varius	yellowbellied sapsucker		bird
Rene Wendell	Dryocopus	pileatus	pileated woodpecker		bird
Rene Wendell	Picoides	pubescens	downy woodpecker		bird
Rene Wendell	Leuconotopicus	villosus	hairy woodpecker		bird
Rene Wendell	Colaptes	auratus	Northern flicker		bird
Rene Wendell	Contopus	virens	Eastern wood-pewee		bird
Rene Wendell	Sayornis	phoebe	Eastern phoebe		bird
Rene Wendell	Vireo	flavifrons	yellow-throated vireo		bird
Rene Wendell	Vireo	solitarius	blue-headed vireo		bird
Rene Wendell	Vireo	gilvus	warbling vireo		bird
Rene Wendell	Vireo	olivaceus	red-eyed vireo		bird
Rene Wendell	Cyanocitta	cristata	blue jay		bird
Rene Wendell	Corvus	brachyrhynchos	american crow		bird
Rene Wendell	Poecile	atricapillus	Black-capped chickadee		bird
Rene Wendell	Baculophus	bicolor	Tufted titmouse		bird
Rene Wendell	Regulus	calendula	ruby-crowned kinglet		bird
Rene Wendell	Sitta	carolinensis	White-breasted nuthatch		bird
Rene Wendell	Troglodytes	aedon	House wren		bird
Rene Wendell	Dumetella	carolinensis	grey catbird		bird
Rene Wendell	Toxostoma	rufum	brown thrasher		bird

Rene Wendell	Catharus	ustulatus	swainson's thrush		bird
Rene Wendell	Hylocichla	mustelina	wood thrush		bird
Rene Wendell	Turdus	migratorius	American robin		bird
Rene Wendell	Bombycilla	cedrorum	cedar waxwing		bird
Rene Wendell	Haemorphous	mexicanus	house finch		bird
Rene Wendell	Spinus	tristis	American goldfinch		bird
Rene Wendell	Spizella	pusilla	field sparrow		bird
Rene Wendell	Melospiza	melodia	song sparrow		bird
Rene Wendell	Melospiza	lincolnii	lincoln's sparrow		bird
Rene Wendell	Pipilo	erythrophthalmus	Eastern towhee		bird
Rene Wendell	Vernivora	cyanoptera	blue-winged warbler		bird
Rene Wendell	Mniotilta	vario	black and white warbler		bird
Rene Wendell	Leiothlypis	peregrina	tennessee warbler		bird
Rene Wendell	Geothlypis	trichas	common yellowthroat		bird
Rene Wendell	Setophaga	ruticilla	American redstart		bird
Rene Wendell	Setophaga	tigrina	cape may warbler		bird
Rene Wendell	Setophaga	americana	northern parula		bird
Rene Wendell	Setophaga	magnolia	magnolia warbler		bird
Rene Wendell	Setophaga	pensylvanioa	chestnut-sided warbler		bird
Rene Wendell	Cardellina	canadensis	canada warbler		bird
Rene Wendell	Piranga	olivacea	scarlet tanager		bird
Rene Wendell	Cardinalis	cardinalis	Northern cardinal		bird
Rene Wendell	Passerina	cyanea	indigo bunting		bird
The McKays	Sayornis	phoebe	Eastern phoebe		bird
The McKays	Melospiza	melodia	Song sparrow		bird
The McKays	Poecile	atricapillus	Black-capped chickadee		bird
The McKays	Passerina	cyanea	Indigo bunting		bird
The McKays	Dumetella	carolinensis	Gray catbird		bird
The McKays	Bombycilla	cedrorum	Cedar Waxwing		bird
The McKays	Turdus	migratorius	American robin		bird
Matt Kelly	Corvus	corax	Common raven		bird

Berkshire Bioblitz 2019					
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Mammals (5)					
Charles Ducette	Tamias	striatus	Chipmunk - near dwelling	1	Mammal
Charles Ducette	Scuirus	carolinensis	Grey squirrel	1	Mammal
Charles Ducette	Odocoileus	virginianus	White tailed deer - doe	1	Mammal
Zack Adams	Sylvilagus	sp?	Cottontail	1	Mammal
Zack Adams	Marmota	monax	Woodchuck	1	Mammal

Acknowledgments

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This report was compiled by Lisa Provencher of the Nature Academy of the Berkshires.

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