



[www.clevelandmetroparks.com/Main/Reservations-Partners/Bradley-Woods-Reservation-3.aspx](http://www.clevelandmetroparks.com/Main/Reservations-Partners/Bradley-Woods-Reservation-3.aspx)

# *Native Plant Society of Northeastern Ohio*

Bradley Woods Reservation

Field Trip

7 September 2013

Greetings Everyone,

What a fabulous time we had on a lovely Saturday September afternoon walking through parts of Bradley Woods and learning about this gem of a reservation. Many thanks and appreciation to our hosts from Cleveland Metroparks, Wendy Weirich, Bethany Majeski, and Valerie Fetzer for sharing their time, knowledge, and enthusiasm which makes learning fun! While not a complete list of all observed or heard during our walk, the following list does illuminate the diversity that can be found in nature in the space and time of a couple of hours. Experiencing the beauty of nature with all of you was a joy!

The Native Plant Society has more walks and activities scheduled for fall and we look forward to your company again! Please visit our website, <http://www.nativeplantsocietyneohio.org/> to learn more about native plants, our Society, and other resources that can help you with your curiosity and your quest to learn about our natural world.

Kind regards to all,

*Lisa K. Schlag*

Native Plant Society of NE Ohio Treasurer

13.ix.13

## Plant List – Herbaceous

### Common Names

### Botanical Names

Doll's Eyes .....	<i>Actaea pachypoda</i>	
White Baneberry		
Garlic Mustard .....	<i>Alliaria officinalis</i> .....	<b>invasive!</b> threatens native plant habitat
The West Virginia White butterfly, <i>Pieris virginiensis</i> , mistakenly lays eggs on this plant instead of its larval hosts toothworts, <i>Dentaria</i> spp. The caterpillars that emerge from eggs cannot survive on garlic mustard. If not food for another creature, they will likely die from starvation or possible toxicity from plant.		
Dogbane.....	<i>Apocynum cannabinum</i> .....	butterfly nectar source
Indian Hemp		
Jack-in-the-pulpit .....	<i>Arisaema triphyllum</i> .....	wildlife fruit source
Comon Milkweed .....	<i>Asclepias syriaca</i> .....	butterfly/insect nectar source & larval host
Flat-topped Aster .....	<i>Doellingeria umbellata</i> .....	butterfly/insect nectar source & larval host
Turtlehead.....	<i>Chelone glabra</i> .....	butterfly larval host
Beechdrops .....	<i>Epifagus virginiana</i>	
Willow Herb .....	<i>Epilobium</i> sp.	
Pilewort.....	<i>Erechtites hieracifolia</i>	
Fireweed		
Joe-pye Weed .....	<i>Eupatorium</i> sp. ....	butterfly/moth/insect nectar source
Boneset .....	<i>Eupatorium perfoliatum</i> .....	butterfly/insect nectar source
Thoroughwort		
Jewelweed.....	<i>Impatiens capensis</i> .....	hummingbird nectar source
Spotted Touch-me-not		
Indian Tobacco .....	<i>Lobelia inflata</i>	
Canada Mayflower (fruit) .....	<i>Maianthemum canadense</i>	
Wild Lily-of-the-valley		
Partridgeberry .....	<i>Mitchella repens</i> .....	wildlife fruit source
Clearweed .....	<i>Pilea pumila</i>	
Cinquefoil .....	<i>Potentilla</i> sp.	
Selfheal .....	<i>Prunella vulgaris</i> .....	butterfly/insect nectar source
Heal-all		
Goldenrods.....	<i>Solidago</i> sp. ....	wildlife nectar/pollen/insect/plant source; wildlife larval host
Blue-stemmed Goldenrod .....	<i>Solidago caesia</i> .....	wildlife nectar/pollen/seed source
Wreath Goldenrod		
Nettle .....	<i>Urtica</i> sp.....	butterfly larval host
Woodland Sedge.....	species not identified	

## Plant List – Woody

### Common Names

### Botanical Names

Alder (non-native).....	<i>Alnus</i> sp.	
Ash .....	<i>Fraxinus</i> sp. ....	butterfly/moth larval host
Holly (evergreen).....	<i>Ilex</i> sp. ....	bird & wildlife fruit source
Spice-bush .....	<i>Lindera benzoin</i> .....	butterfly/moth larval host; bird fruit source
Black Gum.....	<i>Nyssa sylvatica</i> .....	bird fruit source
Tupelo		
Black Cherry.....	<i>Prunus serotina</i> .....	butterfly nectar source & larval host; fruit, seeds, & bark useful to wildlife
Buckthorn (non-native).....	<i>Rhamnus</i> sp.....	<b>invasive!</b> threatens native plant habitat

## Plant List – Ferns

### Common Names

### Botanical Names

Grape Fern.....	<i>Botrychium</i> sp.	
Marginal Wood Fern.....	<i>Dryopteris marginalis</i> .....	wildlife cover
Sensitive Fern .....	<i>Onoclea sensibilis</i> .....	wildlife cover
Cinnamon Fern .....	<i>Osmunda cinnamomea</i> .....	young fiddlehead “fuzz” nesting material for birds; wildlife cover
Interrupted Fern .....	<i>Osmunda claytoniana</i> .....	wildlife cover
New York Fern .....	<i>Thelypteris noveboracensis</i> .....	wildlife cover
Netted Chain Fern.....	<i>Woodwardia areolata</i> .....	wildlife cover

## Plant List – Vines

### Common Names

### Botanical Names

Japanese Honeysuckle .....	<i>Lonicera japonica</i> .....	<b>invasive!</b> threatens native plant habitat
Virginia Creeper .....	<i>Parthenocissus quinquefolia</i> .....	bird fruit source & cover; sphinx spp. moth larval host
Poison-ivy.....	<i>Toxicodendron radicans</i> .....	bird fruit source & cover
Grape vine .....	<i>Vitis</i> sp.....	bird fruit source, cover, & nesting; sphinx spp. moth larval host

## Plant List – Fungi

### Common Names

### Botanical Names

Inky Caps.....	<i>Coprinus</i> sp.	
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## Other Observations

### Vernal Pools

Berea Sandstone

### Insects Observed on Milkweed Plant

#### **Milkweed Bugs:**

Species observed during walk not identified. Two species likely to be found:

Large Milkweed bug.....*Oncopeltus fasciatus*

Small Milkweed bug.....*Lygaeus kalmii*

Brightly colored insects with several generation stages present on plant at same time.

#### **Aphids:**

Species observed during walk not identified.

These insects ingest plant juices and expel a sugary liquid substance called honeydew. Some ant spp. feed upon it and it's also a good growth medium for **Sooty Mold** which was observed on plant during walk.

**Sooty Mold** is a superficial dark charcoal-gray mycelial growth caused by nonparasitic plant fungi that develop on honeydew produced by certain insects, in this case aphids, and *is not treatable* with a fungicide.

#### **Lady Beetles:**

Species observed during walk not identified.

Most larval and adult stages beneficial and voracious predators of aphids.

### Plant Disease Observed on Milkweed Plant

#### **Powdery Mildew:**

It is a plant pathogen that is plant specific and is usually found on upper leaves and stems.

### Insect Observed in Meadow Field

Tussock caterpillar

### Bird Heard in Woodland Forest

Carolina Wren.....*Thryothorus ludovicianus*

## Bibliography

- A Field Guide to Eastern Forests (Peterson Field Guide Series)*, John Kricher/Gordon Morrison  
*Bringing Nature Home: How Native Plants Sustain Wildlife in Our Gardens*, Douglas W. Tallamy  
*Butterflies of Ohio Field Guide*, Jaret C. Daniels  
*Kaufman Field Guide to Birds of North America*, Kenn Kaufman  
*Kaufman Field Guide to Insects of North America*, Kenn Kaufman  
*Newcomb's Wildflower Guide*, Lawrence Newcomb  
*Trees of the Eastern and Central United States and Canada*, William H. Harlow

<http://www.wildflower.org/plants>

<http://www.ipm.ucdavis.edu/PMG/PESTNOTES/pn74108.html>

OH State Univ. Fact Sheet: Sooty Molds on Trees and Shrubs: [www.ohioline.osu.edu/hyg-fact/3000/3046.html](http://www.ohioline.osu.edu/hyg-fact/3000/3046.html)



Doll's Eyes, *Actaea pachypoda*<sup>1</sup>

Photographer: Lisa K. Schlag, 2013



Turtlehead, *Chelone glabra*<sup>1</sup>

Photographer: Lisa K. Schlag, 2013



Boneset, *Eupatorium perfoliatum*<sup>2</sup>

Photographer: Lisa K. Schlag, 2013



Canada Mayflower (fruit), *Maianthemum canadense*

Photographer: Lisa K. Schlag, 2013



Indian Tobacco, *Lobelia inflata*

Photographer: Lisa K. Schlag, 2013



Blue-stemmed Goldenrod, *Solidago caesia*<sup>1</sup>

Photographer: Lisa K. Schlag, 2013





Grape Fern, *Botrychium* sp.

Photographer: Lisa K. Schlag, 2013



Interrupted Fern, *Osmunda claytoniana*<sup>1</sup>

Photographer: Lisa K. Schlag, 2013



Netted Chain Fern, *Woodwardia areolata*

Photographer: Lisa K. Schlag, 2013



Inky Caps, *Coprinis* sp.

Photographer: Lisa K. Schlag, 2013



Large Milkweed Bugs, *Oncopeltus fasciatus*  
Milkweed seedpod

Photographer: Lisa K. Schlag, 2004  
Shaker Heights, Cuyahoga County



Sooty Mold  
Upper leaf surface of Milkweed plant  
(arrow indicating aphid presence)

Photographer: Lisa K. Schlag, 2006  
Holden Arboretum, Lake County

All photographs were taken at Bradley Woods Reservation in Cuyahoga County except those captioned and the following which serve as visual references of observations during walk:

<sup>1</sup> Holden Arboretum, Lake County

<sup>2</sup> Herrick Fen, Portage County