RESULTS OF THE LOBLOLLY MARSH WETLAND PRESERVE BIOBLITZ, JAY COUNTY, INDIANA

Table of Contents

Table of Contents. ................................................................. 1
Introduction................................................................. 2
Habitat Types and Map.................................................. 3-5
Table 1: Birds.............................................................. 6-7
Table 2: Dragonflies and Damselflies............................. 8-9
Table 3: Amphibians and Reptiles................................. 10-12
Table 4: Fungi............................................................... 13
Table 5: Sciomyzid Flies................................................. 14-15
Table 6: Butterflies and Moths........................................ 16-17
Table 7: Plants.............................................................. 18-26
Table 8: Miscellaneous Species...................................... 27
BioBlitz Participants...................................................... 28
On June 19-20, 2009, a 24-hour BioBlitz was held at the Loblolly Marsh Wetland Preserve (part of the Limberlost Swamp) in Jay County, Indiana. The event was held to honor the one-hundredth year anniversary of the publication of *A Girl of the Limberlost* by Gene Stratton-Porter, an Indiana native whose concern regarding the ecological consequences of deforestation and wetland drainage foreshadowed the environmental movement of today. The event was organized by Jamie Faller, Program Developer, Limberlost State Historic Site and Anne Fairchild, Eastern Region Program Manager, Indiana State Museum and Historic Sites in collaboration with a number of partners, including the Indiana State Museum and Historic Sites, Limberlost State Historic Site, the Indiana Department of Natural Resources, Ken Brunswick, Northeastern Indiana Regional Ecologist, Indiana Department of Natural Resources, the Jay County Soil & Water Conservation District, Jay County REMC, Adams County Community Foundation, Friends of the Limberlost, the Rivers Institute at Hanover College, and the Biodiversity and Natural Areas Committee of the Indiana Academy of Sciences.

The results of the BioBlitz are presented in Tables 1-8. The bioblitz at Loblolly Marsh Wetland Preserve recorded a total of 545 species, including two bees, 55 birds, 24 butterflies and moths, 29 dragonflies and damselflies, one fish, 25 fungi, 15 reptiles and amphibians, two insects (miscellaneous), five mammals, 376 plants, and 11 sciomyzid flies.
Habitat Types at the Loblolly Marsh Preserve in Jay County Indiana

The Loblolly Marsh is divided into 4 areas by Jay County Road 250W (North/South) and Loblolly Creek (East/West). If you find the acreage numbers don’t add up, it’s because the different areas tend to transition into each other at various points.

**North East 82 acres**

- Two miles of hiking trails explore this area.
- The twenty five acres of woodland was harvested in 1995 before the area was signed into the Wetland Reserve Program and DNR purchased the area.
- The two acre woodland on the north has mature trees and a building site.
- Five acres of 4 year old tree plantation
- Sixteen acres of natural regeneration prairie with wind blown seed from other areas. Some plug plantings were included in the area. Invasive Teasel has been nearly eradicated in this area.
- The three emergent wetlands include:
  - a one acre depression in the open natural regeneration area that retains water in fifty percent of the years dependant on weather conditions during the summer.
  - a three acre depression (Woodie Retreat) surrounded by forest on three sides and natural regeneration on the west. This wetland retains water yearly.
  - a thirty acre wetland with Loblolly Creek on the south and natural regeneration on the north. This wetland was planted with plugs of various obligate species during 2005 to 2008. Invasive Reed Canary was removed before the various plantings. This wetland has had some recent drainage problems due to some old drainage tiles.

**North West 188 acres**

- One quarter mile hiking trail explores the north east corner of this area.
- The riparian corridor of the Loblolly Creek on the south has mature trees.
- Two open streams entering from the north and draining into the Loblolly Creek.
- Twenty acres of a 4 year old tree plantation are located on the west end of this area.
- Ten acres of natural regeneration trees along the Loblolly Creek.
- 60 acres of wet meadow plantings and 15 acres of upland prairie plantings.
- Forty five acres of natural regeneration prairie with wind blown seed from other areas. Some plug plantings were included in the area. Invasive Teasel has been nearly eradicated in this area.
- The three emergent wetlands include:
  - One and one half acre depression in the open natural regeneration area that retains water in twenty five percent of the years dependant on weather conditions during the summer.
• Eight acre natural regeneration wetland that does not hold water more than two weeks after precipitation.
• Nine acre depression surrounded by natural regeneration. This wetland retains water twenty five percent of the years, but will improve after a tile is removed in 2010.
• Thirty acre wetland with Loblolly Creek on the south and natural regeneration on the north. This wetland was planted with plugs of various obligate species during 2005 to 2008. Invasive Reed Canary was removed before the various plantings. A small part of this wetland holds water all year, but 95% of it is at or below the surface most of the summer.

South East 92 acres

• Five acres of 4 year old tree plantation
• Six acre upland prairie plantation
• Twenty-five acres of natural regeneration wet mesic prairie with wind blown seed from other areas. Some plug plantings were included in this area. Invasive Teasel and Reed Canary has been nearly eradicated in this area.
• Twenty acres of wet prairie and mesic prairie with wind blown seed from other areas. Some plug plantings were included in this area. Invasive Teasel and Reed Canary has been nearly eradicated in this area.
• The two emergent wetlands include:
  • One acre depression in the open natural regeneration area that dries every year.
  • Thirty-five acre emergent wetland. This wetland was planted with plugs of various obligate species during 2005 to 2008. Invasive Reed Canary was removed before the various plantings. This wetland is saturated near or above the soil’s surface during the summer.

South West 80 acres

• Twenty-five acres of 4 year old tree plantation
• Six acre upland prairie plantation
• Twenty-five acres of natural regeneration wet mesic prairie with wind blown seed from other areas. Some plug plantings were included in this area. Invasive Teasel and Reed Canary has been nearly eradicated in this area.
• Ten acres of wet prairie and mesic prairie with wind blown seed from other areas and purchased seed of local genotype planted. Some plug plantings were included in this area. Invasive Teasel and Reed Canary has been nearly eradicated in this area.
• The one fourteen acre emergent wetland. Invasive Reed Canary was removed before the various plantings. 50% of this wetland is emergent during the summer. 50% of this wetland is saturated near or above the soil’s surface during the summer.
Aerial photograph of Loblolly Marsh Preserve. The preserve is outlined in yellow.
Table 1. List of the Birds (55) Recorded at the Loblolly Marsh Wetland BioBlitz, 19-20 June 2009.

Team Leader: Kirk Roth
Volunteers: Bill Murphy, Chris Reidy, Molly Reidy, Andrew Hoffman, Bill Hubbard Beth Pinette, Steve Antrim, Jack Leonard, Karen Leonard, Jean Moore-Palm, Pam Oleson, Peter Oleson

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agelaius phoeniceus</td>
<td>Red-winged Blackbird</td>
</tr>
<tr>
<td>Aix sponsa</td>
<td>Wood Duck</td>
</tr>
<tr>
<td>Anas platyrhynchos</td>
<td>Mallard</td>
</tr>
<tr>
<td>Archilocus colubris</td>
<td>Ruby-throated Hummingbird</td>
</tr>
<tr>
<td>Ardea herodias</td>
<td>Great Blue Heron</td>
</tr>
<tr>
<td>Baeolophus bicolor</td>
<td>Tufted Titmouse</td>
</tr>
<tr>
<td>Bombycilla cedrorum</td>
<td>Cedar Waxwing</td>
</tr>
<tr>
<td>Branta canadensis</td>
<td>Canada Goose</td>
</tr>
<tr>
<td>Butoptes virescens</td>
<td>Green Heron</td>
</tr>
<tr>
<td>Cardinalis cardinalis</td>
<td>Northern Cardinal</td>
</tr>
<tr>
<td>Cathartes aura</td>
<td>Turkey Vulture</td>
</tr>
<tr>
<td>Charadrius vociferus</td>
<td>Killdeer</td>
</tr>
<tr>
<td>Coccozyus americanus</td>
<td>Yellow-billed Cuckoo</td>
</tr>
<tr>
<td>Colaptes auratus</td>
<td>Northern Flicker</td>
</tr>
<tr>
<td>Columba livia</td>
<td>Rock Pigeon</td>
</tr>
<tr>
<td>Corvus brachyrhynchos</td>
<td>American Crow</td>
</tr>
<tr>
<td>Cyanocitta cristata</td>
<td>Blue Jay</td>
</tr>
<tr>
<td>Dendroica petechia</td>
<td>Yellow Warbler</td>
</tr>
<tr>
<td>Dolichonax oryzivorus</td>
<td>Bobolink</td>
</tr>
<tr>
<td>Dumetella carolinensis</td>
<td>Gray Catbird</td>
</tr>
<tr>
<td>Empidonax traillii</td>
<td>Willow Flycatcher</td>
</tr>
<tr>
<td>Empidonax virescens</td>
<td>Acadian Flycatcher</td>
</tr>
<tr>
<td>Falco sparverius</td>
<td>American Kestrel</td>
</tr>
<tr>
<td>Geothlypis trichas</td>
<td>Common Yellowthroat</td>
</tr>
<tr>
<td>Hirundo rustica</td>
<td>Barn Swallow</td>
</tr>
<tr>
<td>Hylocichla mustelina</td>
<td>Wood Thrush</td>
</tr>
<tr>
<td>Icterus galbula</td>
<td>Baltimore Oriole</td>
</tr>
<tr>
<td>Icterus spurius</td>
<td>Orchard Oriole</td>
</tr>
<tr>
<td>Melospiza melodia</td>
<td>Song Sparrow</td>
</tr>
<tr>
<td>Molothrus ater</td>
<td>Brown-headed Cowbird</td>
</tr>
<tr>
<td>Myiarchus crinitus</td>
<td>Great Crested Flycatcher</td>
</tr>
<tr>
<td>Nycticorax nycticorax</td>
<td>Black-crowned Night-heron</td>
</tr>
<tr>
<td>Passerina cyanea</td>
<td>Indigo Bunting</td>
</tr>
<tr>
<td>Scientific Name</td>
<td>Common Name</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Picoides pubescens</td>
<td>Downy Woodpecker</td>
</tr>
<tr>
<td>Piranga olivacea</td>
<td>Summer Tanager</td>
</tr>
<tr>
<td>Piranga rubra</td>
<td>Scarlet Tanager</td>
</tr>
<tr>
<td>Porzana carolina</td>
<td>Sora</td>
</tr>
<tr>
<td>Quiscalus quiscula</td>
<td>Common Grackle</td>
</tr>
<tr>
<td>Sayornis phoebe</td>
<td>Eastern Phoebe</td>
</tr>
<tr>
<td>Scolopax minor</td>
<td>American Woodcock</td>
</tr>
<tr>
<td>Sitta carolinensis</td>
<td>White-breasted Nuthatch</td>
</tr>
<tr>
<td>Spinus tristis</td>
<td>American Goldfinch</td>
</tr>
<tr>
<td>Spiza americana</td>
<td>Dickcissel</td>
</tr>
<tr>
<td>Spizella passerina</td>
<td>Chipping Sparrow</td>
</tr>
<tr>
<td>Spizella pusilla</td>
<td>Field Sparrow</td>
</tr>
<tr>
<td>Stelgidopteryx serripennis</td>
<td>Northern Rough-winged Swallow</td>
</tr>
<tr>
<td>Sturna vulgaris</td>
<td>European Starling</td>
</tr>
<tr>
<td>Tachycineta bicolor</td>
<td>Tree Swallow</td>
</tr>
<tr>
<td>Toxostoma rufum</td>
<td>Brown Thrasher</td>
</tr>
<tr>
<td>Troglodytes aedon</td>
<td>House Wren</td>
</tr>
<tr>
<td>Turdus migratorius</td>
<td>American Robin</td>
</tr>
<tr>
<td>Tyrannus tyrannus</td>
<td>Eastern Kingbird</td>
</tr>
<tr>
<td>Vireo flavifrons</td>
<td>Yellow-throated Vireo</td>
</tr>
<tr>
<td>Vireo griseus</td>
<td>White-eyed Vireo</td>
</tr>
<tr>
<td>Zenaida macroura</td>
<td>Mourning Dove</td>
</tr>
</tbody>
</table>
Table 2. List of Dragonflies and Damselflies (29) (Odonata) Collected at the Loblolly Marsh Wetland BioBlitz, 19-20 June 2009.

Team Leader: Paul McMurray
Volunteers: Dr. Jack Leonard, Sam Amstutz, Greg Buuck, the Bird Team (Kirk Roth, Bill Murphy, Chris Reidy, Molly Reidy, Andrew Hoffman, Bill Hubbard, Beth Pinette, Steve Antrim, Jack Leonard, Karen Leonard, Jean Moore-Palm), the Butterfly Team (Randy Lehman, Sandra Sutton, Claire Sutton, Jess Sutton)

NOTES: A total of 29 odonate species were collected or observed, including 17 new Jay County records (Abbott 2007, Curry 2001). The flight season of one species, *Sympetrum vicinum* Hagen, was extended by nearly two weeks, and two species, listed as "Uncommon" and "Rare" for Indiana by Curry (2001), were collected.

On June 19 four participants (including myself) collected from 4:15 - 6:45 (2.5 hrs). I collected from 9:30 - 3:00 on June 20 (5.5 hrs). The Bird Team and the Butterfly Team collected on June 20.

A green aerial net (BioQuip 7218GR and 7303X, www.bioquip.com) was used to collect adult dragonflies. Both of the large marshes/ponds and two ditches flowing through the area were sampled.

### DAMSELFIES

**Family Lestidae (Spreadwing Damselflies)**
- *Lestes congener* Hagen: Spotted Spreadwing
- *Lestes disjunctus* Selys: Northern Spreadwing * X
- *Lestes rectangularis* Say: Slender Spreadwing
- *Lestes uinguiculatus* Hagen: Lyre-tipped Spreadwing * X

**Family Coenagrionidae (Narrow-Winged Damselflies)**
- *Argia apicalis* (Say): Blue-fronted Dancer *
- *Argia fumipennis* (Burmeister): Variable Dancer
- *Enallagma civile* (Hagen): Familiar Bluet *
- *Enallagma ebrium* (Hagen): Marsh Bluet *
- *Enallagma traviatum* (Selys): Slender Bluet * X
- *Ischnura hastata* (Selys): Citrine Forktail *
- *Ischnura posita* (Hagen): Fragile Forktail *
- *Ischnura verticalis* (Say): Eastern Forktail * 

### NEW JAY COUNTY RECORD

---

8
## Dragonflies

**Family Aeshnidae (Darners)**

*Anax junius* (Drury)  
Common Green Darner *

**Family Gomphidae (Clubtails)**

*Arigomphus villosipes* (Selys)  
Unicorn Clubtail *

**Family Corduliidae (Emeralds)**

*Epitheca princeps* (Hagen)  
Prince Baskettail *

**Family Libellulidae (Skimmers)**

*Erythemis simplicicollis* (Say)  
Common Pondhawk *

*Libellula luctuosa* Burmeister  
Widow Skimmer *

*Libellula pulchella* Drury  
Twelve-spotted Skimmer *

*Libellula vibrans* Fabricius  
Great Blue Skimmer *

*Pachydiplax longipennis* (Burmeister)  
Blue Dasher *

*Perithemis tenera* (Say)  
Eastern Amberwing *

*Plathemis lydia* (Drury)  
Common Whitetail *

*Sympetrum corruptum* (Hagen)  
Variegated Meadowhawk * (Rare) *

*Sympetrum rubicundulum* (Say)  
Ruby Meadowhawk *

*Sympetrum semicinctum* (Say)  
Band-winged Meadowhawk *

*Sympetrum vicinum* Hagen  
Autumn Meadowhawk *

*Tramea lacerata* Hagen  
Black Saddlebags *

*Tramea onusta* Hagen  
Red Saddlebags (Uncommon) *

* Voucher taken

+ The identification of *Enallagma ebrium* (Hagen) was based on examination of the cerci.


Table 3: Amphibian and Reptile (15) Survey, Loblolly Marsh Wetland Preserve, 19-20 June 2009

The Amphibian and Reptile Team observed a total of 15 species: 9 amphibians and 6 reptiles.

Participants:

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Hoffman</td>
<td>Hanover College</td>
</tr>
<tr>
<td>Daryl R. Karns, Team Leader</td>
<td>Biology Department, Rivers Institute,</td>
</tr>
<tr>
<td>Vicky Meretsky</td>
<td>Indiana University</td>
</tr>
<tr>
<td>Clint Cunningham</td>
<td>Hoosier Herpetological Society</td>
</tr>
<tr>
<td>Jim Horton</td>
<td>Hoosier Herpetological Society</td>
</tr>
<tr>
<td>Roger Carter</td>
<td>Hoosier Herpetological Society</td>
</tr>
<tr>
<td>4 members of a local Girl Scout</td>
<td>Volunteers</td>
</tr>
</tbody>
</table>

Effort:

On Friday, June 19, four “experts” and 4 to 7 volunteers surveyed from 4 pm to 10 pm with a dinner break. On Saturday, June 20, five experts and 4 volunteers worked from 8:30 to 2:30 pm. The team made a presentation at the closing program.

Habitat Types Sampled:

- **Ephemeral Ponds** – Small, pothole wetlands that likely dry up for part of the year and fish are often absent. (sampled by dip net and walk and observe methods)
- **Permanent Wetlands** – Large, extensive wetland marshes that hold water year round and generally have fish. (sampled by dip net, hoop trap, road survey, and walk and observe methods)
- **Upland Woods** (sampled by cover object turning and walk and observe methods)
- **Upland Grasslands** (sampled by road survey and walk and observe methods)
Loblolly Wetland Preserve Species List

Note: Roman Numerals refer to the habitat-types listed above. For simplicity, the nomenclature used here follows Minton (2001), the standard reference on the amphibians and reptiles of Indiana. Based on molecular data, there have been a number of taxonomic revisions made in recent years that affect the names of amphibian and reptile genera (e.g., \textit{Rana} $\rightarrow$ \textit{Lithobates}), but these names are not yet in widespread public use.

**AMPHIBIA**

**Caudata (Salamanders):**
- \textit{Ambystoma tigrinum} (Eastern Tiger Salamander) --- I,III,IV
- \textit{Ambystoma laterale} X \textit{jeffersonianum} (Hybrid Ambystomatid Salamander) --- III

**Anura (Frogs and Toads):**
- \textit{Bufo americanus americanus} (Eastern American Toad) --- I,II,III,IV
- \textit{Acris crepitans} (Northern Cricket Frog) --- II
- \textit{Pseudacris triseriata} (Western Chorus Frog) --- IV
- \textit{Hyla versicolor} (Eastern Gray Treefrog) --- I,II,III
- \textit{Rana clamitans melanota} (Green Frog) --- I,II
- \textit{Rana catesbeiana} (American Bullfrog) --- I,II
- \textit{Rana pipiens} (Northern Leopard Frog) --- I,II,III,IV

**REPTILIA**

**Chelonia (Turtles):**
- \textit{Chelydra serpentina} serpentina (Eastern Snapping Turtle) --- II
- \textit{Chrysemys picta marginata} (Midland Painted Turtle) --- I,II

**Squamata (Lacertilia) Lizards:**
- \textit{Eumeces fasciatus} (Five-lined Skink) --- III,IV
Squamata (Serpentes) Snakes:

- *Thamnophis sirtalis sirtalis* (Eastern Gartersnake) --- IV
- *Nerodia sipedon sipedon* (Northern Watersnake) --- 1
- *Storeria dekayi wrightorum* (Midland Brownsnake) --- IV – County Record

Comments:

Initially, based on a field observation, we included *Bufo fowleri* (Fowler’s Toad) on our list, but this individual was not captured for a photographic voucher. Until a better record can be obtained we have excluded it from the final list. A number of species we observed have been reported from the county, but it is likely that a formal voucher specimen or photograph has not been officially recorded.

Both *Acris crepitans* (Northern Cricket Frog) and *Rana pipiens* (Northern Leopard Frog) were abundant at the Loblolly site. This observation is of interest because these two species have been the center of attention in recent years in northern Indiana due to apparent dramatic declines in populations. *Rana pipiens* was the most frequently encountered amphibian at Lobolly; dozens of juvenile *Rana pipiens* would scatter across the water as we waded into wetland areas and, after dark, the newly metamorphosed juveniles literally covered the main road through the preserve. *Acris* also seemed to be quite abundant and could be heard chorusing from all of the major wetlands. This suggests that the preserve serves as an important refuge for amphibians and is potentially a strong source population for these two species, and possibly others, that are declining elsewhere.

Team Leader: Donald G. Ruch, Ball State University  
Volunteers: Steve Antrim, Ken Brunswick, Josh Key, Scott Namestnik, Chris Reidy, Molly Reidy, Kirk Roth, Byron Torke, Kevin Tungesvick

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASCOMYCETES</strong></td>
<td></td>
</tr>
<tr>
<td><em>Galiella rufa</em> (Schwein.) Nannf. &amp; Korf</td>
<td>Hairy Rubber Cup</td>
</tr>
<tr>
<td><em>Sarcoscypha coccinea</em> (Jacquin:Fr.) Lambotte</td>
<td>Scarlet Cup</td>
</tr>
<tr>
<td><strong>BASIDIOMYCETES</strong></td>
<td></td>
</tr>
<tr>
<td><em>Bjerkandera adjusta</em> (Willd.:Fr.) Karst.</td>
<td>Smoky Polypore; Big Smoky Bracket</td>
</tr>
<tr>
<td><em>(Artomyces pyxidata</em> (Pers. : Fr.) Doty</td>
<td>Crown-Tipped Coral</td>
</tr>
<tr>
<td><em>(Psathyrella velutina</em> (Pers.) Sing.)</td>
<td></td>
</tr>
<tr>
<td><em>Marasmius siccus</em> (Schwein.) Fr.</td>
<td>Orange Pinwheel Marasmius</td>
</tr>
<tr>
<td><em>Marsamius rotula</em> (Scop.:Fr.) Fr.</td>
<td>Pinwheel Marasmius</td>
</tr>
<tr>
<td><em>Mycena galericulata</em> (Scop.:Fr.) Gray</td>
<td>Common Mycena; Common Bonnet</td>
</tr>
<tr>
<td><em>Pluteus articapillus</em> (Batsch) Fr.</td>
<td>Deer Mushroom; Fawn Pluteus</td>
</tr>
<tr>
<td><em>(Pluteus cervinus</em> (Schaeff.:Fr.) P. Kumm.)</td>
<td></td>
</tr>
<tr>
<td><em>Pluteus granularis</em> Pk.</td>
<td>Granulose Pluteus</td>
</tr>
<tr>
<td><em>Polyporus alveolaris</em> (DC.:Fr.) Bondartsev</td>
<td>Hexagonal-Pored Polypore</td>
</tr>
<tr>
<td><em>(Favolus alveolaris</em> (DC.:Fr.) Quel.)</td>
<td>Mayapple Rust</td>
</tr>
<tr>
<td><em>Puccinia podophylli</em></td>
<td>Fire-Cap Marasmius</td>
</tr>
<tr>
<td><em>Rhizomarasmius pyrrocephalalus</em> (Berk.) R.H. Petersen</td>
<td>Fire-Cap Marasmius</td>
</tr>
<tr>
<td><em>(Marasmius pyrrocephalalus</em> Berk.)</td>
<td></td>
</tr>
<tr>
<td><em>Rhodotus palmatus</em> (Bull.:Fr.) Maire</td>
<td>Netted Rhodotus</td>
</tr>
<tr>
<td><em>Schizophyllum commune</em> Fr.</td>
<td>Split-Gill Mushroom</td>
</tr>
<tr>
<td><em>Stereum ostrea</em> (Blume &amp; Nees:Fr.) Fr.</td>
<td>False Tukey-Tail; Golden Curtin Crust</td>
</tr>
<tr>
<td><em>Trametes conchifer</em> (Schwein.:Fr.) Pilát</td>
<td>Little Nest Polypore</td>
</tr>
<tr>
<td><em>Trametes elegans</em> (Spreng.:Fr.) Fr.</td>
<td>White-Maze Polypore</td>
</tr>
<tr>
<td><em>Trametes versicolor</em> (L.:Fr.) Pilát</td>
<td>Turkey-Tail; Many-Zoned or Banded Polypore</td>
</tr>
<tr>
<td><em>Trichaptum biforme</em> (Fr. in Klotzch) Ryv.</td>
<td>Violet-Toothed Polypore</td>
</tr>
<tr>
<td><em>Xerula furfuracea</em> (Pk.) Ryv.</td>
<td>Rooted Collybia</td>
</tr>
</tbody>
</table>

TOTAL = 25 species reported
Table 5. List of Sciomyzid Flies (11) (Family Sciomyzidae) Recorded at the Loblolly Marsh Wetland Preserve BioBlitz, 19-20 June 2009.

Team Leader: Bill Murphy, Retired Smithsonian Entomologist

NOTE: Jay County, West Liberty (Loblolly Marsh), 40°33.318'N 85°1.902'W, 19-June-2009.

**Family Sciomyzidae** (Marsh Flies)
- *Dictya expansa* Steyskal – 1 (abundant)
- *Dictya pictipes* Loew – 1 (uncommon)
- *Dictya sabroskyi* Steyskal – 1 (uncommon)
- *Dictya* spp. female (unidentifiable) - 3
- *Ditaeniella parallela* (Walker) – 80 (unprecedented number; usually 1 or 2 per day; found at accumulation of putrefying snails)
- *Ditaeniella trivitatta* (Cresson) – 2 (only 3 previous specimens for Indiana, 2 of which I reared from snail shells)
- *Limnia boscii* Robineau-Desvoidy – 1 (abundant)
- *Pherbellia nana nana* Fallén – 1 (uncommon; possibly overlooked because very small)
- *Pherbellia seticoxa* Steyskal – 18 (rare; also found at accumulation of putrefying snails)
- *Sepedon armipes* Loew – 11 (abundant)
- *Sepedon fuscipennis* Loew – 3 (abundant)
- *Tetanocera loewi* Steyskal – 4 (common)

**TOTAL = 11 species**

See Photo Below.
Sciomyzid Flies. (From left to right, and top to bottom.)
1. Some of the dead snails.
2. Close-up of *Planorbella trivolvis* (Say).
3. A sciomyzid pupa inside a snail shell.
4. Sciomyzid pupae.
5. Emerged adult *Pherbellia seticoxa* Steyskal.

Team Leader: Jean Moore-Palm  
Volunteers: Randy Lehman, Sandra Sutton, Claire Sutton, Jess Sutton, and the bird team (Kirk Roth, Bill Murphy, Chris Reidy, Molly Reidy, Andrew Hoffman, Bill Hubbard, Kurt Oliver, Beth Pinette, Steve Antrim, Jack Leonard, Karen Leonard)

NOTE: Most species were documented via photographs.

**Butterflies**

Family Danaidae  
* Danaus plexippus  
  Monarch

Family Hesperiidae  
* Epargyreus clarus  
  Silver Spotted Skipper

Family Limenitidinae  
* Limenitis archippus  
  Viceroy
* Limenitis arthemis astyanax  
  Red-Spotted Purple

Family Lycaenidae  
* Celastrina argiolus  
  Spring Azure (Common Blue)
* Celastrina neglecta  
  Summer Azure
* Everes comynatas  
  Eastern Tailed Blue
* Lycaena hyllus  
  Bronze Copper
* Satyrium liparops  
  Striped Hairstreak

Family Nymphalidae  
* Asterocampa celtis  
  Hackberry Emperor
* Euphydryas gilletti  
  Baltimore Checkerspot
* Nymphalis antiopa  
  Mourning Cloak
* Phyciodes tharos  
  Pearl Crescent
* Polygonia comma  
  Comma
* Polygonia interrogationis  
  Question Mark
* Speyeria cybele  
  Great Spangled Fritillary
* Vanessa atalanta  
  Red Admiral

Family Papilionidae  
* Papilio cresphontes  
  Giant Swallowtail
* Papilio glaucus  
  Tiger Swallowtail
Family Pieridae

*Colias eurytheme*  Orange Sulphur
*Colias philodice*  Clouded Sulphur
*Pieris rapae*  Cabbage White

Family Satyridae

*Megisto cymela*  Little Wood Satyr

**Moths**

Family Lymantriidae

*Orgyia leucostigma*  White-Marked Tussock Caterpillar

Team Leaders: Scott Namestnik, JFNew & Donald Ruch, Ball State University
Volunteers: Steve Antrim, Ken Brunswick, Josh Key, Chris Reidy, Molly Reidy, Kirk Roth, Byron Torke, Kevin Tungesvick

NOTES: Species in capital letters are exotics, i.e., non-native species. The list contains one state endangered species (Carex leptonervia Fernald) and three species on the state watch list (Carex trichocarpa, Hydrastis canadensis L., and Tripsacum dactyloides (L.) L.). The Tripsacum was most likely accidentally introduced when the part of the site was seeded as a restored prairie. Species in capital letters are exotic (=introduced).

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>COMMON NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABUTILON THEOPHRasti Medik.</td>
<td>Velvetleaf, Buttonweed</td>
</tr>
<tr>
<td>Acer negundo L.</td>
<td>Boxelder</td>
</tr>
<tr>
<td>Acer saccharinum L.</td>
<td>Silver Maple</td>
</tr>
<tr>
<td>Acer saccharum Marshall</td>
<td>Sugar Maple</td>
</tr>
<tr>
<td>Achillea millefolium L.</td>
<td>Common Yarrow</td>
</tr>
<tr>
<td>Actaea pachypoda Elliott</td>
<td>Doll's-Eyes</td>
</tr>
<tr>
<td>Aesculus glabra Willd.</td>
<td>Ohio Buckeye</td>
</tr>
<tr>
<td>Agastache nepetoides (L.) Kuntze</td>
<td>Yellow Giant Hyssop</td>
</tr>
<tr>
<td>Ageratina altissima (L.) King &amp; H. Rob.</td>
<td>White Snakeroot</td>
</tr>
<tr>
<td>Agrimonia pubescens Wallr.</td>
<td>Downy Agrimony</td>
</tr>
<tr>
<td>Alisma subcordatum Raf.</td>
<td>Common Water Plantain</td>
</tr>
<tr>
<td>ALLIARIA PETIOLATA (M. Bieb.) Cavara &amp; Grande</td>
<td>Garlic Mustard</td>
</tr>
<tr>
<td>Allium canadense L.</td>
<td>Wild Garlic</td>
</tr>
<tr>
<td>ALLIUM VINEALE L.</td>
<td>Field Garlic</td>
</tr>
<tr>
<td>Aloepecturus carolinianus Walter</td>
<td>Annual Foxtail</td>
</tr>
<tr>
<td>AMARANTHUS RETROFLEXUS L.</td>
<td>Rough Pigweed</td>
</tr>
<tr>
<td>Amaranthus tuberculatus (Moq.) J.D. Sauer</td>
<td>Common Water-Hemp</td>
</tr>
<tr>
<td>Ambrosia artemisiifolia L.</td>
<td>Common Ragweed</td>
</tr>
<tr>
<td>Ambrosia trifida L.</td>
<td>Giant Ragweed</td>
</tr>
<tr>
<td>Andropogon gerardii Vitman</td>
<td>Big Bluestem</td>
</tr>
<tr>
<td>Apocynum cannabinum L.</td>
<td>Dogbane</td>
</tr>
<tr>
<td>Apocynum sibiricum Jacq.</td>
<td>Prairie Indian Hemp</td>
</tr>
<tr>
<td>ARCTIUM MINUS (Hill) Bernh.</td>
<td>Common Burdock</td>
</tr>
<tr>
<td>Arisaema triphyllum (L.) Schott.</td>
<td>Jack-in-the-Pulpit</td>
</tr>
<tr>
<td>Aristolochia serpentaria L.</td>
<td>Virginia Snakeroot</td>
</tr>
<tr>
<td>Asarum canadense L.</td>
<td>Canada Wild Ginger</td>
</tr>
<tr>
<td>Asclepias incarnata L.</td>
<td>Swamp Milkweed</td>
</tr>
<tr>
<td>Asclepias syriaca L.</td>
<td>Common Milkweed</td>
</tr>
<tr>
<td>Asclepias tuberosa L.</td>
<td>Butterfly Weed</td>
</tr>
<tr>
<td>Baptisia alba (L.) Vent. var. macrophylla (Larisey) Isely</td>
<td>White Wild Indigo</td>
</tr>
<tr>
<td>BARBAREA VULGARIS R. Br.</td>
<td>Yellow Rocket</td>
</tr>
<tr>
<td>Bidens cernua L.</td>
<td>Nodding Bur Marigold</td>
</tr>
<tr>
<td>Bidens connata Muhl. ex Willd.</td>
<td>Purple-Stemmed Tickseed</td>
</tr>
</tbody>
</table>
Bidens frondosa L.
Bidens tripartita (L.) [B. comosa]
Boehmeria cylindrica (L.) Sw.
Botrychium virginianum (L.) Sw.
BRASSICA JUNCEA (L.) Czernj.
BROMUS ARVENSIS L.
BROMUS COMMUTATUS Schrader
BROMUS INERMIS Leysser
Bromus nottowayanus Fernald
Bromus pubescens Willd.

Calamagrostis canadensis (Michx.) P. Beav.
Calystegia sepium (L.) R. Br.
Camassia scilloides ( Raf.) Cory
Campanulastrum americanum Small
Campsis radicans (L.) Seem.
CAPSELLA BURSA-PASTORIS (L.) Medik.
Carex amphibia Staedt.
Carex annectens E.P. Bicknell
Carex blanda Dewey
Carex cephalophora Willd.
Carex cristatella Britton
Carex davisii Schwein. & Torr.
Carex festucacea Willd.
Carex frankii Kunth
Carex granularis Willd.
Carex hirtifolia Mack.
Carex jamesii Schwein
Carex lacustris Willd.
Carex laxiculmis Schwein. var. copulata (L.H. Bailey) Fernald
Carex laxiculmis Schwein. var. laxiculmis
Carex leptonervia Fernald
Carex lupulina Willd.
Carex lurida Wahlenb.
Carex molesta Bright
Carex normalis Mack.
Carex pensylvanica Lam.
Carex radiata (Wahlenb.) Small
Carex rosea Schkuhr.
Carex shortiana Dewey
Carex sparganioides Willd.
Carex stricta Lam.
Carex tribuloides Wahlenb.
Carex trichocarpa Schkuhr.
Carex vulpinoidea Michx.
Carpinus caroliniana Walter ssp. virginiana (Marsh.) Furlow
Carya cordiformis (Wangenh.) K. Koch
Carya glabra (Mill.) Sweet
Carya ovata (Miller) K. Koch
Caulophyllum thalictroides (L.) Michx.

Common Beggar’s-Ticks
Three-Parted Beggar’s-Ticks
False Nettle
Rattlesnake Fern
Indian Mustard
Field Brome
Hairy Chess
Smooth Brome
Nottoway Valley Brome
Woodland Brome

Blue-Joint Grass
Common Hedge Bindweed
Wild Hyacinth
American Bellflower
Trumpet Creeper
Shepherd's Purse
False Gray Sedge
Large Yellow Fox Sedge
Common Wood Sedge
Short-Headed Bracted Sedge
Crested Oval Sedge
Awned Graceful Sedge
Fescue Oval Sedge
Bristly Cattail Sedge
Pale Sedge
Hairy Wood Sedge
Grass Sedge
Common Lake Sedge
Spreading Sedge
Weak-Stemmed Wood Sedge
Few-Nerved Wood Sedge
Common Hop Sedge
Bottlebrush Sedge
Field Oval Sedge
Spreading Oval Sedge
Common Oak Sedge
Straight-Styled Wood Sedge
Curly-Styled Wood Sedge
Short’s Sedge
Loose-Headed Bracted Sedge
Common Tussock Sedge
Awl-Fruited Oval Sedge
Hairy-fruited Lake Sedge
Brown Fox Sedge
Musclewood
Bitternut Hickory
Pignut Hickory
Shagbark Hickory
Blue Cohosh
Celastrus scandens L.
Celtis occidentalis L.
Cephalanthus occidentalis L.
CERASTIUM FONTANUM Baumg. ssp. VULGARE (Hartm.) Greuter & Burdet
Cercis canadensis L.
Chamaecrista fasciculata (Michx.) Greene
CHAMAESYCE NUTANS (Lag.) Small
CHENOPODIUM ALBUM L.
CHIERIUM INTYBUS L.
Cicuta maculata L.
Cimma arundinacea L.
Circaea lutetiana L. var. canadensis L.
Cirsium altissimum (L.) Spreng.
CIRSIUM ARVENSE (L.) Scop.
Cirsium discolor (Muhl.) Sprengel
CIRSIUM VULGARE (Savi) Tenore
Collinsonia canadensis L.
CONIUM MACULATUM L.
CONVOLVULUS ARvensis L.
Conyza canadensis (L.) Cronquist
Coreopsis lanceolata L.
Cornus drummondii C.A. Meyer
Cornus florida L.
Corylus americana Walter
Crataegus mollis (T. & G.) Scheele
Cryptotaenia canadensis (L.) DC.
Cuscuta gronovii Willd.
Cyperus esculentus L. var. leptostachyus Boeckeler

DACTYLIS GLOMERATA L.
Dasistoma macrophylla (Nutt.) Raf.
DAUCUS CAROTA L.
Desmodium glutinosum (Willd.) A.W. Wood
DIANTHUS ARMERIA L.
Dichanthelium acuminatum (Sw.) Gould & C.A. Clark
var. fasciculatum (Torr.) Freckmann
Dichanthelium clandestinum (L.) Gould
Dichanthelium latifolium (L.) Gould & C.A. Clark
Dioscorea villosa L.
DIPSACUS FULLONUM L.
DIPSACUS LACINIATUS L.

Echinacea purpurea (L.) Moench.
Echinochloa crusgalli (L.) P. Beauv.
ELAEAGNUS UMBELLATA Thunb.
Eleocharis erythropoda Steud.
Eleocharis obtusa (Willd.) Schult.
Eleocharis palustris (L.) Roem. & Schult.
(including Eleocharis smallii Britton)

Climbing Bittersweet
Northern Hackberry
Buttonbush
Common Mouse-Ear Chickweed
Redbud
Golden Cassia
Nodding Spurge
Lamb’s Quarters
Chicory
Water Hemlock
Common Wood Reed
Enchanter’s Nightshade
Tall Thistle
Canada Thistle
Field Thistle
Bull Thistle
Citronella Horse Balm
Poison Hemlock
Field Bindweed
Horseweed
Lance-Leaved Coreopsis
Rough-Leaved Dogwood
Flowering Dogwood
American Filbert
Downy Hawthorn
Honewort
Common Dodder
Field Nut Sedge

Orchard Grass
Mullein Foxglove
Queen Anne’s Lace
Pointed Tick-Trefoil
Deptford Pink
Old-Field Panic Grass

Deer-Tongue Grass
Broad-Leaved Panic Grass
Common Wild Yam
Common Teasel
Cut-Leaved Teasel

Purple Coneflower
Barnyard-Grass
Autumn Olive
Red-Rooted Spike Rush
Blunt Spike Rush
Great Spike Rush
Elymus canadensis L.
Elymus hystrix L.
ELYMUS REPENS (L.) Gould
Elymus villosus Willd.
Elymus virginicus L.
Epilobium coloratum Biehler
Erechtites hieraciifolia (L.) Raf.
Erigeron annuus (L.) Pers.
Erigeron philadelphicus L.
Eryngium yuccifolium Michx.
Euonymus atropurpureus Jacq.
Eupatorium perfoliatum L.
Eupatorium purpureum L.
Euthamia graminifolia (L.) Nutt.

Festuca subverticillata (Pers.) E. Alexeev.
Fragaria virginiana Duchesne
Frasera caroliniensis Walter
Fraxinus americana L.
Fraxinus pennsylvanica Marshall

Galium aparine L.
Galium caeruleum Michx.
Galium concinnum Torr. & A. Gray
Galium triflorum Michx.
Geranium maculatum L.
Geum canadense Jacq.
Geum laciniatum Murray
Geum vernum (Raf.) T. & G.
Gleditsia triacanthos L.
Glyceria striata (Lam.) Hitchc.
Gratiola neglecta Torr.

Hackelia virginiana (L.) I.M. Johnst.
Helianthus divaricatus L.
Helianthus struosus L.
Helianthus tuberosus L.
Heliopsis helianthoides (L.) Sweet
HEMEROCLIS FULVA (L.) L.
Heuchera americana L.
HORDEUM JUBATUM L.
Hordeum pusillum Nutt.
Humulus lupulus L. var. pubescens E. Small
Hydrastis canadensis L.
Hydrophyllum macrophyllum Nutt.
Hydrophyllum virginianum L.

Impatiens capensis Meerb.
Ipomea L. sp.
Iris virginica L. var. shrevei (Small) E. Anderson

Canada Wild Rye
Eastern Bottlebrush Grass
Quack Grass
Hairy Wild Rye
Virginia Wild Rye
Cinnamon Willow Herb
White Fireweed
Annual Fleabane
Marsh Fleabane
Rattlesnake Master
Wahoo
Common Boneset
Purple Joe Pye Weed
Common Flat-Topped Goldenrod

Nodding Fescue
Wild Strawberry
American Columbo
White Ash
Red Ash

Cleavers, Stickywilly
Smooth Wild Licorice
Shining Bedstraw
Sweet-Scented Bedstraw
Wild Geranium
White Avens
Rough Avens
Spring Avens
Honey Locust
Fowl Manna Grass
Clammy Hedge Hyssop

Stickseed
Woodland Sunflower
Pale-Leaved Sunflower
Jerusalem Artichoke
False Sunflower
Orange Day Lily
Tall Alumroot
Foxtail Barley
Little Barley
American Hops
Golden Seal
Large-Leaved Waterleaf
Virginia Waterleaf

Spotted Touch-Me-Not
Blue Flag
Juglans nigra L.  
Juncus dudleyi Wiegand  
Juncus effusus L.  
Juncus interior Wiegand  
Juncus tenuis Willd.  
Juniperus virginiana L.  
Lactuca canadensis L.  
Lactuca floridana (L.) Gaertn.  
LACTUCA SERRIOLA L.  
LAMIUM AMPEXICAULE L.  
Laportea canadensis (L.) Wedd.  
Leersia oryzoides (L.) Swartz  
Leersia virginica Willd.  
Lemna minor L.  
LEONURUS CARDIACA L.  
LEPIDIUM CAMPESTRE (L.) R. Br.  
Lepidium virginicum L.  
LEUCANTHEMUM LACUSTRE (Brot.) Samp.  
LEUCANTHEMUM VULGARE Lam.  
Liatris spicata (L.) Willd.  
Lindera benzoin (L.) Blume  
Lithospermum latifolium Michx.  
Ludwigia alternifolia L.  
Ludwigia palustris (L.) Elliott  
Ludwigia polycarpa Short & R. Peter  
Lycopus americanus Muhl.  
Lysimachia ciliata L.  
LYSIMACHIA NUMMULARIA L.  
Maianthemum racemosum (L.) Link  
Malus coronaria (L.) Mill.  
MEDICAGO LUPULINA L.  
MELILOTUS ALBA Medikus  
MELILOTUS OFFICINALIS (L.) Pallas  
Menispermum canadense L.  
Mimulus ringens L.  
Moehringia lateriflora (L.) Fenzl  
Monarda fistulosa L.  
MORUS ALBA L.  
Muhlenbergia schreberi J.F. Gmel.  
NEMETA CATARIA L.  
Oenothera biennis L.  
Oenothera speciosa Nutt.  
Osmorhiza claytonii (Michx.) C.B. Clarke  
Osmorhiza longistylys (Torr.) DC.  
Ostrya virginiana (Mill.) K. Koch  
Black Walnut  
Dudley’s Rush  
Common Rush  
Inland Rush  
Path Rush  
Eastern Red Cedar  
Wild Lettuce  
Woodland Lettuce  
Prickly Lettuce  
Purple Dead Nettle  
Canada Wood Nettle  
Rice Cut Grass  
White Grass  
Small Duckweed  
Motherwort  
Field Peppergrass  
Poor Man’s Pepper  
Portuguese Daisy  
Ox-Eye Daisy  
Marsh Blazing Star  
Hairy Spicebush  
American Gromwell  
Seedbox  
Marsh Purslane  
False Loosestrife  
Common Water Horehound  
Fringed Loosestrife  
Moneywort  
Feathery False Solomon’s Seal  
Wild Sweet Crab  
Black Medic  
White Sweet Clover  
Yellow Sweet Clover  
Moonseed  
Monkey Flower  
Blunt-Leaf Sandwort  
Wild Bergamot  
White Mulberry  
Nimblewill  
Catnip  
Common Evening Primrose  
Showy Evening Primrose  
Hairy Sweet Cicely  
Aniseraoot  
Hop Hornbeam
Oxalis stricta L.  

Packera glabella (Poir.) C. Jeffrey  
Packera obovata (Muhl. ex Willd.) W.A. Weber & A. Löve  
Panicum virgatum L.  
Parietaria pensylvanica Willd.  
Parthenocissus quinquefolia (L.) Planchon  
PASTINACA SATIVA L.  
Penstemon laevigatus Aiton  
Penthorum sedoides L.  
PHALARIS ARUNDINACEA L.  
PHLEUM PRATENSE L.  
Phlox divaricata L.  
Phryma leptostachya L.  
Physalis longifolia Nutt. var. subglabrata (Mackenzie & Bush) Cronq.  
Phytolacca americana L.  
Pilea pumila (L.) A. Gray  
PLANTAGO LANCEOLATA L.  
Plantago rugelii Decne.  
Platanus occidentalis L.  
POA ANNUA L.  
POA COMPRESSA L.  
POA PRATENSIS L.  
Poa sylvestris A. Gray  
Podophyllum peltatum L.  
Polemonium reptans L.  
Polygonatum biflorum (Walter) Elliott var. biflorum  
Polygonum amphibium L.  
POLYGONUM AVICULARE L.  
POLYGONUM CUSPIDATUM Siebold & Zucc.  
POLYGONUM HYDROPIPER L.  
Polygonum lapathifolium L.  
Polygonum pensylvanicum L.  
POLYGONUM PERSICARIA L.  
Polygonum scandens L.  
Polygonum virginianum L.  
Populus deltoides Marshall  
Populus grandidentata Michx.  
Potamogeton L. sp.  
Potentilla norvegica L.  
POTENTILLA RECTA L.  
Potentilla simplex Michx.  
Prenanthes altissima L.  
Prunella vulgaris L. ssp. lanceolata (W. Bartram) Hultén  
Prunus americana Marshall  
Prunus serotina Ehrh.  
Ptelea trifoliata L.  

QUERCUS ACUTISSIMA Carruthers  
Quercus alba L.  

Common Wood Sorrel  
Butterweed  
Round-Leaved Ragwort  
Switch Grass  
Pennsylvania Pellitory  
Virginia Creeper  
Wild Parsnip  
Smooth Beard Tongue  
Ditch Stonecrop  
Reed Canary Grass  
Timothy  
Woodland Phlox  
Lopsseed  
Long-Leaved Groundcherry  
Pokeweed  
Canada Clearweed  
English Plantain  
American Plantain  
Sycamore  
Annual Bluegrass  
Canada Bluegrass  
Kentucky Bluegrass  
Woodland Bluegrass  
May Apple  
Jacob's Ladder  
Smooth Solomon’s Seal  
Water Smartweed  
Common Knotweed  
Japanese Knotweed  
Water Pepper  
Dock-Leaved Smartweed  
Pennsylvania Smartweed  
Lady’s-Thumb  
Climbing False Buckwheat  
Woodland Knotweed  
Eastern Cottonwood  
Big-Tooth Aspen  
Pondweed  
Rough Cinquefoil  
Sulfur Cinquefoil  
Common Cinquefoil  
Tall White Lettuce  
Selfheal  
American Plum  
Wild Black Cherry  
Smooth Wafer Ash  
Saw-Toothed Oak  
White Oak
Quercus bicolor Willd.  
Quercus macrocarpa Michx.  
Quercus palustris Münchh.  
Quercus rubra L.  

Swamp White Oak  
Bur Oak  
Pin Oak  
Northern Red Oak  

Ranunculus abortivus L.  
Ranunculus hispidus Michx. var. nitidus (Chapm.) T. Duncan  
Ranunculus sceleratus L.  
Ratibida pinnata (Vent.) Barnhart  
Ribes cynosbati L.  
Rorippa palustris (L.) Besser var. fernaldiana (Butters & Abbe) Stuckey  
Rosa carolina L.  
ROSA MULTIFLORA Thunb.  
Rosa setigera Michx.  
Rubus allegheniensis Porter  
Rubus occidentalis L.  
Rubus pensylvanicus Poiret  
Rudbeckia hirta L. var. pulcherrima Farw.  
Rudbeckia laciniata L.  
Ruellia strepens L.  
Rumex altissimus A. Wood  
RUMEX CRISPUS L.  

Small-Flowered Buttercup  
Smooth Swamp Buttercup  
Cursed Crowfoot  
Yellow Coneflower  
Prickly Wild Gooseberry  
Common Yellow Cress  
Pasture Rose  
Multiflora Rose  
Illinois Rose  
Common Blackberry  
Black Raspberry  
Pennsylvania Blackberry  
Black-Eyed Susan  
Cut-Leaf Coneflower  
Wild Petunia, Smooth Ruellia  
Pale Dock  
Curly Dock  

Sagittaria latifolia Willd.  
Salix amygdaloides Andersson  
Salix interior Rowlee  
Salix nigra Marshall  
Sambucus nigra L. ssp. canadensis (L.) R. Bolli  
Sanguinaria canadensis L.  
Sanicula odorata (Raf.) K.M. Pryer & L.R. Phillippe  
SAPONARIA OFFICINALIS L.  
SCHEDONORUS PHOENIX (Scop.) Holub  
[Festuca elatior, F. arundinacea]  
Schizachyrium scoparium (Michx.) Nash  
Schoenoplectus fluviatilis (Torr.) M.T. Strong  
[Bolboschoenus fluviatilis (Torr.) Soják]  
Schoenoplectus tabernaemontani (Gmel.) Palla  
Scirpus atrovirens Wildl.  
Scirpus cyperinus (L.) Kunth.  
Scirpus pendulus Muhl.  
Scutellaria incana Biehler  
Scutellaria ovata Hill  
Senna hebecarpa (Fernald) Irwin & Barneby  
SETARIA FABERI R. Herrm.  
Sicyos angulatus L.  
Silene stellata (L.) W.T. Aiton  
Silene virginica L.  
Silphium terebinthinaceum Jacq.  
SISYMBRIUM OFFICINALE (L.) Scop.  
Sium suave Walter  

Common Arrowhead  
Peach-Leaved Willow  
Sandbar Willow  
Black Willow  
American Black Elderberry  
Bloodroot  
Clustered Black Snakeroot  
Bouncing Bet  
Tall Fescue  

Little Bluestem  
River Bulrush  

Softstem Bulrush  
Dark Green Bulrush  
Woolgrass  
Red Bulrush  
Downy Skullcap  
Heart-Leaved Skullcap  
Wild Senna  
Giant Foxtail  
Bur Cucumber  
Starry Campion  
Fire Pink  
Prairie Dock  
Common Hedge Mustard  
Water Parsnip
Smilax lasioneura Hook.
Smilax tamnoides L. [S. hispida]
Solamun carolinense L.
Solidago caesia L.
Solidago canadensis L.
Solidago juncea Aiton
SONCHUS ASPER (L.) Hill
Sorghastrum nutans (L.) Nash
Sparganium eurycarpum Engelm.
Spartina pectinata Link
Sphenopholis obtusata (Michx.) Scribn.
Sphondelma polryhiza (L.) Schleid.
Stachys tenuifolia Willd. [Stachys hispida]
Staphylea trifolia L.
Symphyotrichum cordifolium (L.) G.L. Nesom
Symphyotrichum lancelatum (Willd.) G.L. Nesom
Symphyotrichum lateriflorum (L.) A. Löve & D. Löve
Symphyotrichum novae-angliae (L.) G.L. Nesom
Symphyotrichum panicum (L.) A. Löve & D. Löve
Symphyotrichum sagittifolium (Wedemeyer ex Willd.) G.L. Nesom

Teucrium canadense L. var. canadense
Thalictrum dioicum L.
Thalictrum revolutum DC.
Thaspium trifoliatum (L.) A. Gray var. aureum (L.) Britton
THASPI ARVENSE L.
Toxicodendron radicans (L.) Kuntze var. negundo (Greene) Reveal
Tradescantia subaspera Ker Gawler
Tradescantia virginiana L.
Tridens flavus (L.) A. Hitchc.
TRIFOLIUM HYBRIDUM L.
TRIFOLIUM PRATENSE L.
TRIFOLIUM REPENS L.
Trillium flexipes Raf.
Trillium sessile L.
Triodanis perfoliata (L.) Nieuwl. [Specularia perfoliata]
Triosteum aurantiacum E.P. Bicknell
Tripsacum dactyloides (L.) L.
TYPHA ANGUSTIFOLIA L.
Typha latifolia L.

Ulmus americana L.
ULMUS PUMILA L.
Ulmus rubra Muhl.
Urtica dioica L. subsp. gracilis (Aiton) Selander
Uvularia grandiflora Sm.

Valerianella umbilicata (Sull.) Wood
VERBASCUM BLATTARIA L.
VERBASCUM THAPSUS L.

Common Carrion Flower
Bristly Greenbrier
Horse Nettle
Bluestem Goldenrod
Canada Goldenrod
Early Goldenrod
Spiny Sow Thistle
Indian Grass
Common Bur Reed
Prairie Cord Grass
Prairie Wedge Grass
Great Duckweed
Marsh Hedge Nettle
Bladdernut
Common Heart-Leaved Aster
Panicled Aster
Goblet Aster
New England Aster
Bristly Aster
Arrow-Leaved Aster

American Germander
Early Meadow Rue
Waxy Meadow Rue
Yellow Meadow Parsnip
Penny Cress
Common Poison Ivy
Broad-Leaved Spiderwort
Virginia Spiderwort
Purpletop Tridens
Alsike Clover
Red Clover
White Clover
Nodding Trillium
Sessile Trillium
Venus’ Looking Glass
Early Horse Gentian
Eastern Gama Grass
Narrow-Leaved Cattail
Broad-Leaved Cattail

American Elm
Siberian Elm
Slippery Elm
Tall Stinging Nettle
Large-Flowered Bellwort

Corn Salad
Moth Mullein
Woolly Mullein
Verbena hastata L.  | Blue Vervain
Verbena urticifolia L.  | White Vervain
Verbesina alternifolia (L.) Britton ex Kearney  | Wingstem
Vernonia gigantea (Walter) Trel.  | Tall Ironweed
VERONICA ARVENSIS L.  | Corn Speedwell
Veronica peregrina L.  | Purslane Speedwell
Veronicastrum virginicum (L.) Farw.  | Culver's-Root
Viburnum acerifolium L.  | Maple-Leaved Arrowwood
Viburnum dentatum L.  | Nannyberry
Viburnum prunifolium L.  | Black Haw
Viburnum rafinesqueanum Schult.  | Downy Arrowwood
Viola pubescens Aiton  | Downy Yellow Violet
Viola sororia Willd.  | Woolly Blue Violet
Vitis aestivalis Michx.  | Summer Grape
Vitis riparia Michx.  | Riverbank Grape

Xanthium strumarium L.  | Rough Cocklebur

Zanthoxylum americanum Miller  | Prickly Ash
Table 8. List of Miscellaneous Species (10) Reported at the Loblolly Marsh Wetland BioBlitz, 19-20 June 2009.

Team Leader: Kirk Roth  
Volunteers: Bill Murphy, Chris Reidy, Molly Reidy, Andrew Hoffman, Bill Hubbard, Beth Pinette, Steve Antrim, Jack Leonard, Karen Leonard, Jean Moore-Palm, Scott Namestnik, Don Ruch

**Mammals**

*Didelphis virginiana*  
Opossum

*Microtus pennsylvanicus*  
Meadow Vole

*Odocoileus virginicus*  
White-tailed Deer

*Scalopus aquaticus*  
Eastern Mole

*Sciurus niger*  
Fox Squirrel

**Bees**

*Apis mellifera*  
European Honey Bee

*Xylocopa virginiana*  
Eastern Carpenter Bee

**Miscellaneous Insects**

*Boisea trivittata*  
Box Elder Bug

*Mycetophila* sp.  
Mushroom Gnat

**Fish**

*Cyprinus carpio*  
Common Carp
BioBlitz Participants – Staff, Scientists, Naturalists & Volunteers

Sam Amstutz
Steve Antrim
Andrew Beck
Cara Bluhm
Rose Bryan
Greg Buuck
Roger Carter
Dave Cramer
Clint Cunningham
Patti Davis
Steve Happe
Ezekiel Heffelfinger
Gabriella Heffelfinger
Sam Heffelfinger
Andrew Hoffman
James Horton
Becca James
Amy Johnson
Daryl Karns
Josh Key
Tabby Knapp
Karen Leonard
Jack Leonard
Paul McMurray
Vicky Meretsky
Jade Moles
Jean Moore-Palm
Theresa Morgan
Bill Murphy
Scott Namestnik
Pam Oleson
Peter Oleson
Kurt Oliver
Adam Patrick
Denita Patrick
Tim Patrick
Beth Pinette
Desiree Pinette
Chris Reidy
Molly Reidy
Kirk Roth
Donald Ruch
Toby Schwartz
Claire Sutton
Jesse Sutton
Sandra Sutton
Byron Torke
Kevin Tungesvick
Elizabeth Wells
Ashleigh Ziegler

STAFF
Ken Brunswick
Anne Fairchild
Jamie Faller
Martha Ferguson
Dave Fox
Bill Hubbard
Randy Lehman
Michelle Padilla
Tasha Welch