

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

**Table of Contents**

<b>Table of Contents.</b> . . . . .	<b>1</b>
<b>Introduction.</b> . . . . .	<b>2</b>
<b>Habitat Types and Map.</b> . . . . .	<b>3-5</b>
<b>Table 1: Birds.</b> . . . . .	<b>6-7</b>
<b>Table 2: Dragonflies and Damselflies.</b> . . . . .	<b>8-9</b>
<b>Table 3: Amphibians and Reptiles.</b> . . . . .	<b>10-12</b>
<b>Table 4: Fungi.</b> . . . . .	<b>13</b>
<b>Table 5: Sciomyzid Flies.</b> . . . . .	<b>14-15</b>
<b>Table 6: Butterflies and Moths.</b> . . . . .	<b>16-17</b>
<b>Table 7: Plants.</b> . . . . .	<b>18-26</b>
<b>Table 8: Miscellaneous Species.</b> . . . . .	<b>27</b>
<b>BioBlitz Participants.</b> . . . . .	<b>28</b>

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

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.

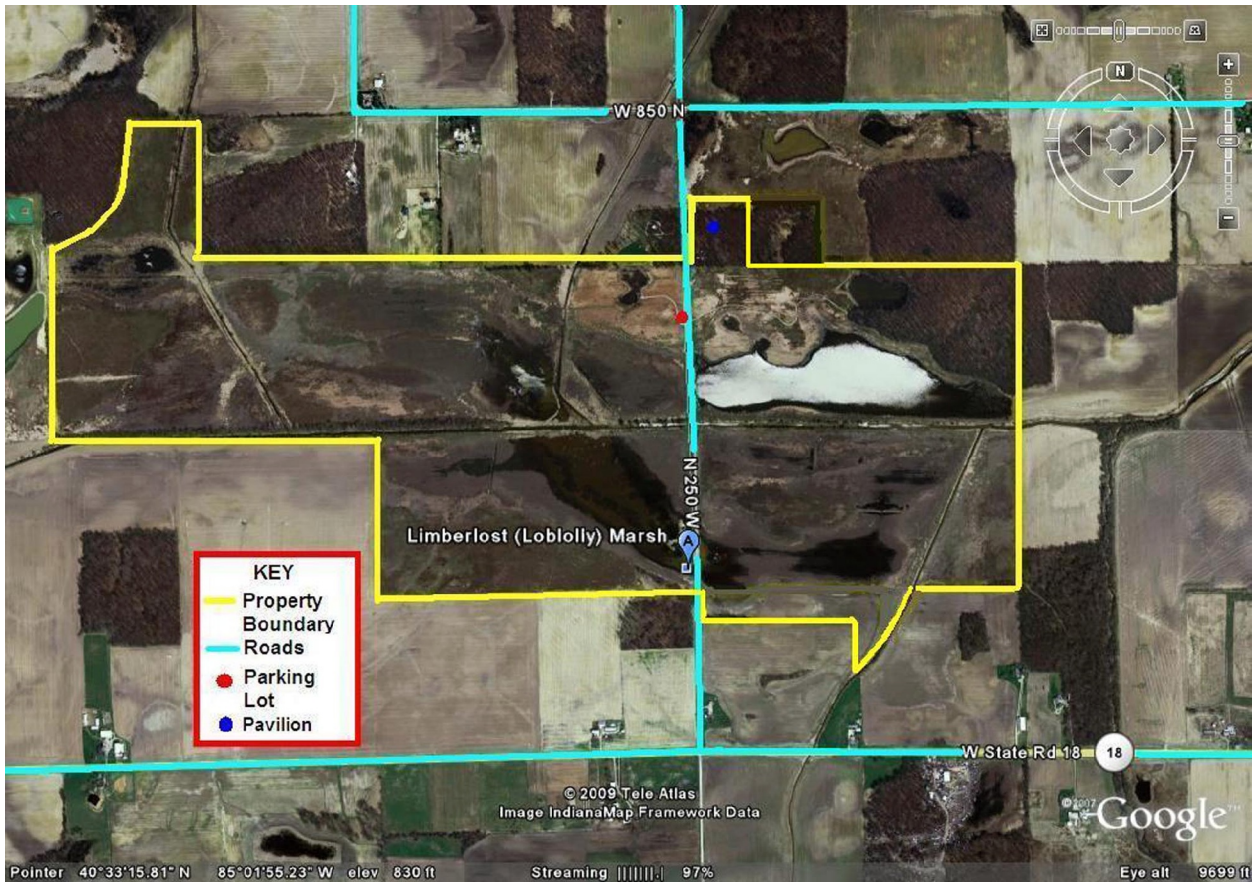
- Eight acre natural regeneration wetland that does not hold water more than two weeks after precipitation.
- Nine acre depression surrounded by natural regeneration. This wetland retains water twenty five percent of the years, but will improve after a tile is removed in 2010.
- Thirty acre wetland with 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

---

<u>Scientific Name</u>	<u>Common Name</u>
<i>Agelaius phoeniceus</i>	Red-winged Blackbird
<i>Aix sponsa</i>	Wood Duck
<i>Anas platyrhynchos</i>	Mallard
<i>Archilocus colubris</i>	Ruby-throated Hummingbird
<i>Ardea herodias</i>	Great Blue Heron
<i>Baeolophus bicolor</i>	Tufted Titmouse
<i>Bombycilla cedrorum</i>	Cedar Waxwing
<i>Branta canadensis</i>	Canada Goose
<i>Butorides virescens</i>	Green Heron
<i>Cardinalis cardinalis</i>	Northern Cardinal
<i>Cathartes aura</i>	Turkey Vulture
<i>Charadrius vociferus</i>	Killdeer
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo
<i>Colaptes auratus</i>	Northern Flicker
<i>Columba livia</i>	Rock Pigeon
<i>Corvus brachyrhynchos</i>	American Crow
<i>Cyanocitta cristata</i>	Blue Jay
<i>Dendroica petechia</i>	Yellow Warbler
<i>Dolichonyx oryzivorus</i>	Bobolink
<i>Dumetella carolinensis</i>	Gray Catbird
<i>Empidonax traillii</i>	Willow Flycatcher
<i>Empidonax virescens</i>	Acadian Flycatcher
<i>Falco sparverius</i>	American Kestrel
<i>Geothlypis trichas</i>	Common Yellowthroat
<i>Hirundo rustica</i>	Barn Swallow
<i>Hylocichla mustelina</i>	Wood Thrush
<i>Icterus galbula</i>	Baltimore Oriole
<i>Icterus spurius</i>	Orchard Oriole
<i>Melospiza melodia</i>	Song Sparrow
<i>Molothrus ater</i>	Brown-headed Cowbird
<i>Myiarchus crinitus</i>	Great Crested Flycatcher
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron
<i>Passerina cyanea</i>	Indigo Bunting

<i>Picoides pubescens</i>	Downy Woodpecker
<i>Piranga olivacea</i>	Summer Tanager
<i>Piranga rubra</i>	Scarlet Tanager
<i>Porzana carolina</i>	Sora
<i>Quiscalus quiscula</i>	Common Grackle
<i>Sayornis phoebe</i>	Eastern Phoebe
<i>Scolopax minor</i>	American Woodcock
<i>Sitta carolinensis</i>	White-breasted Nuthatch
<i>Spinus tristis</i>	American Goldfinch
<i>Spiza americana</i>	Dickcissel
<i>Spizella passerina</i>	Chipping Sparrow
<i>Spizella pusilla</i>	Field Sparrow
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow
<i>Sturna vulgaris</i>	European Starling
<i>Tachycineta bicolor</i>	Tree Swallow
<i>Toxostoma rufum</i>	Brown Thrasher
<i>Troglodytes aedon</i>	House Wren
<i>Turdus migratorius</i>	American Robin
<i>Tyrannus tyrannus</i>	Eastern Kingbird
<i>Vireo flavifrons</i>	Yellow-throated Vireo
<i>Vireo griseus</i>	White-eyed Vireo
<i>Zenaida macroura</i>	Mourning Dove

**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.

NEW JAY COUNTY RECORD

**DAMSELFLIES**

Family Lestidae (Spreadwing Damselflies)

<i>Lestes congener</i> Hagen	Spotted Spreadwing	
<i>Lestes disjunctus</i> Selys	Northern Spreadwing *	X
<i>Lestes rectangularis</i> Say	Slender Spreadwing	
<i>Lestes unguiculatus</i> Hagen	Lyre-tipped Spreadwing *	X

Family Calopterygidae (Broad-Winged Damselflies)

<i>Calopteryx maculata</i> (Beauvois)	Ebony Jewelwing	X
---------------------------------------	-----------------	---

Family Coenagrionidae (Narrow-Winged Damselflies)

<i>Argia apicalis</i> (Say)	Blue-fronted Dancer *	X
<i>Argia fumipennis</i> (Burmeister)	Variable Dancer	
<i>Enallagma civile</i> (Hagen)	Familiar Bluet *	
<i>Enallagma ebrium</i> (Hagen)	Marsh Bluet <sup>+</sup>	X
<i>Enallagma traviatum</i> (Selys)	Slender Bluet *	X
<i>Ischnura hastata</i> (Say)	Citrine Forktail *	X
<i>Ischnura posita</i> (Hagen)	Fragile Forktail *	X
<i>Ischnura verticalis</i> (Say)	Eastern Forktail *	



## DRAGONFLIES

Family Aeshnidae (Darners)		
<i>Anax junius</i> (Drury)	Common Green Darner *	X
Family Gomphidae (Clubtails)		
<i>Arigomphus villosipes</i> (Selys)	Unicorn Clubtail *	X
Family Corduliidae (Emeralds)		
<i>Epithea princeps</i> (Hagen)	Prince Baskettail *	X
Family Libellulidae (Skimmers)		
<i>Erythemis simplicicollis</i> (Say)	Common Pondhawk *	
<i>Libellula luctuosa</i> Burmeister	Widow Skimmer *	
<i>Libellula pulchella</i> Drury	Twelve-spotted Skimmer *	
<i>Libellula vibrans</i> Fabricius	Great Blue Skimmer	X
<i>Pachydiplax longipennis</i> (Burmeister)	Blue Dasher *	
<i>Perithemis tenera</i> (Say)	Eastern Amberwing *	
<i>Plathemis lydia</i> (Drury)	Common Whitetail *	X
<i>Sympetrum corruptum</i> (Hagen)	Variegated Meadowhawk * (Rare)	X
<i>Sympetrum rubicundulum</i> (Say)	Ruby Meadowhawk	
<i>Sympetrum semicinctum</i> (Say)	Band-winged Meadowhawk	X
<i>Sympetrum vicinum</i> Hagen	Autumn Meadowhawk *	
	(Flight Date Extension)	
<i>Tramea lacerata</i> Hagen	Black Saddlebags *	X
<i>Tramea onusta</i> Hagen	Red Saddlebags (Uncommon) *	X

---

\* Voucher taken

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

Abbott, J.C. 2007. OdonataCentral: An online resource for the distribution and identification of Odonata. Texas Natural Science Center, The University of Texas at Austin. Available at <http://www.odonatacentral.org>. (Accessed: October 02, 2009).

Curry, J. R. 2001. Dragonflies of Indiana. Indiana Academy of Science, Indianapolis, Indiana. 259 pp.

**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:**

Andrew Hoffman	Hanover College
Daryl R. Karns, Team Leader	Biology Department, Rivers Institute,
Vicky Meretsky	Indiana University
Clint Cunningham	Hoosier Herpetological Society
Jim Horton	Hoosier Herpetological Society
Roger Carter	Hoosier Herpetological Society
4 members of a local Girl Scout	Volunteers

**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., *Rana* → *Lithobates*), but these names are not yet in widespread public use.

### AMPHIBIA

#### Caudata (Salamanders):

- *Ambystoma tigrinum* (Eastern Tiger Salamander) --- I,III,IV
- *Ambystoma laterale X jeffersonianum* (Hybrid Ambystomatid Salamander) --- III

#### Anura (Frogs and Toads):

- *Bufo americanus americanus* (Eastern American Toad) --- I,II,III,IV
- *Acris crepitans* (Northern Cricket Frog) --- II
- *Pseudacris triseriata* (Western Chorus Frog) --- IV
- *Hyla versicolor* (Eastern Gray Treefrog) --- I,II,III
- *Rana clamitans melanota* (Green Frog) --- I,II
- *Rana catesbeiana* (American Bullfrog) --- I,II
- *Rana pipiens* (Northern Leopard Frog) --- I,II,III,IV

### REPTILIA

#### Chelonia (Turtles):

- *Chelydra serpentina serpentina* (Eastern Snapping Turtle) --- II
- *Chrysemys picta marginata* (Midland Painted Turtle) --- I,II

#### Squamata (Lacertilia) Lizards:

- *Eumeces fasciatus* (Five-lined Skink) --- III,IV

### **Squamata (Serpentes) Snakes:**

- *Thamnophis sirtalis sirtalis* (Eastern Gartersnake) --- IV
- *Nerodia sipedon sipedon* (Northern Watersnake) --- I
- *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 Lobolly 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 metamorphed 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.

**Table 4. List of Fungi (25) Recorded at the Loblolly Marsh Wetland Preserve BioBlitz, 19-20 June 2009.**

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 Tunesvick

Scientific Name	Common Name
<b>ASCOMYCETES</b>	
<i>Galiella rufa</i> (Schwein.) Nannf. & Korf	Hairy Rubber Cup
<i>Sarcoscypha coccinea</i> (Jacquin:Fr.) Lambotte	Scarlet Cup
<b>BASIDIOMYCETES</b>	
<i>Bjerkandera adjusta</i> (Willd.:Fr.) Karst.	Smoky Polypore; Big Smoky Bracket
<i>Clavicornia pyxidata</i> Pers. : Fr.) Doty ( <i>Artomyces pyxidata</i> (Pers. : Fr.) Jülich)	Crown-Tipped Coral
<i>Ganoderma applanatum</i> (Pers.) Pat.	Artist's Conk
<i>Gloeoporus dichrous</i> (Fr.) Bres.	Gelatinous-Pored Polypore
<i>Gymnopus dryophilus</i> (Bull.) Murrill	Common Collybia; Oak-Loving Collybia
<i>Lacrymaria velutina</i> (Fr.) Pat. ( <i>Psathyrella velutina</i> (Pers.) Sing.)	Weeping Widow; Velvety Psathyrella
<i>Marasmius siccus</i> (Schwein.) Fr.	Orange Pinwheel Marasmius
<i>Marsamius rotula</i> (Scop.:Fr.) Fr.	Pinwheel Marasmius
<i>Mycena galericulata</i> (Scop.:Fr.) Gray	Common Mycena; Common Bonnet
<i>Mycena haematopus</i> (Pers.) P. Kumm.	Bleeding Mycena
<i>Pluteus articapillus</i> (Batsch) Fr. ( <i>Pluteus cervinus</i> (Schaeff.:Fr.) P. Kumm.)	Deer Mushroom; Fawn Pluteus
<i>Pluteus granularis</i> Pk.	Granulose Pluteus
<i>Polyporus alveolaris</i> (DC.:Fr.) Bondartsev ( <i>Favolus alveolaris</i> (DC.:Fr.) Quel.)	Hexagonal-Pored Polypore
<i>Puccinia podophylli</i>	Mayapple Rust
<i>Rhizomarasmius pyrrocephalus</i> (Berk.) R.H. Petersen ( <i>Marasmius pyrrocephalus</i> Berk.)	Fire-Cap Marasmius
<i>Rhodotus palmatus</i> (Bull.:Fr.) Maire	Netted Rhodotus
<i>Schizophyllum commune</i> Fr.	Split-Gill Mushroom
<i>Stereum ostrea</i> (Blume & Nees:Fr.) Fr.	False Tukey-Tail; Golden Curtin Crust
<i>Trametes conchifer</i> (Schwein.:Fr.) Pilát	Little Nest Polypore
<i>Trametes elegans</i> (Spreng.:Fr.) Fr.	White-Maze Polypore
<i>Trametes versicolor</i> (L.:Fr.) Pilát	Turkey-Tail; Many-Zoned or Banded Polypore
<i>Trichaptum biforme</i> (Fr. in Klotzch) Ryv.	Violet-Toothed Polypore
<i>Xerula furfuracea</i> (Pk.) Redhead, Ginns & Shoemaker	Rooted Collybia

**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.

**Table 6. Butterflies and Moths (24) Recorded at the Loblolly Marsh Wetland Preserve BioBlitz, 19-20 June 2009.**

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 Hesperidae

*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 comyntas* Eastern Tailed Blue  
*Lycaena hyllus* Bronze Copper  
*Satyrrium 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 cressphontes* Giant Swallowtail  
*Papilio glaucus* Tiger Swallowtail



Family Pieridae

*Colias eurytheme*

*Colias philodice*

*Pieris rapae*

Orange Sulphur

Clouded Sulphur

Cabbage White

Family Satyridae

*Megisto cymela*

Little Wood Satyr

**MOTHS**

Family Lymantriidae

*Orgyia leucostigma*

White-Marked Tussock Caterpillar

**Table 7. List of Plants (375) Recorded at the Loblolly Marsh Wetland Preserve BioBlitz, June 19-20, 2009.**

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 Tungsveck

NOTES: Species in capital letters are exotics, i.e., non-native species. The list contains one state endangered species (*Carex leptoneuria* 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).

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

<i>Bidens frondosa</i> L.	Common Beggar's-Ticks
<i>Bidens tripartita</i> (L.) [ <i>B. comosa</i> ]	Three-Parted Beggar's-Ticks
<i>Boehmeria cylindrica</i> (L.) Sw.	False Nettle
<i>Botrychium virginianum</i> (L.) Sw.	Rattlesnake Fern
<i>BRASSICA JUNCEA</i> (L.) Czernj.	Indian Mustard
<i>BROMUS ARVENSIS</i> L.	Field Brome
<i>BROMUS COMMUTATUS</i> Schrader	Hairy Chess
<i>BROMUS INERMIS</i> Leysser	Smooth Brome
<i>Bromus nottowayanus</i> Fernald	Nottoway Valley Brome
<i>Bromus pubescens</i> Willd.	Woodland Brome
<i>Calamagrostis canadensis</i> (Michx.) P. Beauv.	Blue-Joint Grass
<i>Calystegia sepium</i> (L.) R. Br.	Common Hedge Bindweed
<i>Camassia scilloides</i> (Raf.) Cory	Wild Hyacinth
<i>Campanulastrum americanum</i> Small	American Bellflower
<i>Campsis radicans</i> (L.) Seem.	Trumpet Creeper
<i>CAPSELLA BURSA-PASTORIS</i> (L.) Medik.	Shepherd's Purse
<i>Carex amphibola</i> Steud.	False Gray Sedge
<i>Carex annectens</i> E.P. Bicknell	Large Yellow Fox Sedge
<i>Carex blanda</i> Dewey	Common Wood Sedge
<i>Carex cephalophora</i> Willd.	Short-Headed Bracted Sedge
<i>Carex cristatella</i> Britton	Crested Oval Sedge
<i>Carex davisii</i> Schwein. & Torr.	Awned Graceful Sedge
<i>Carex festucacea</i> Willd.	Fescue Oval Sedge
<i>Carex frankii</i> Kunth	Bristly Cattail Sedge
<i>Carex granularis</i> Willd.	Pale Sedge
<i>Carex hirtifolia</i> Mack.	Hairy Wood Sedge
<i>Carex jamesii</i> Schwein	Grass Sedge
<i>Carex lacustris</i> Willd.	Common Lake Sedge
<i>Carex laxiculmis</i> Schwein. var. <i>copulata</i> (L.H. Bailey) Fernald	Spreading Sedge
<i>Carex laxiculmis</i> Schwein. var. <i>laxiculmis</i>	Weak-Stemmed Wood Sedge
<i>Carex leptonevia</i> Fernald	Few-Nerved Wood Sedge
<i>Carex lupulina</i> Willd.	Common Hop Sedge
<i>Carex lurida</i> Wahlenb.	Bottlebrush Sedge
<i>Carex molesta</i> Bright	Field Oval Sedge
<i>Carex normalis</i> Mack.	Spreading Oval Sedge
<i>Carex pennsylvanica</i> Lam.	Common Oak Sedge
<i>Carex radiata</i> (Wahlenb.) Small	Straight-Styled Wood Sedge
<i>Carex rosea</i> Schkuhr.	Curly-Styled Wood Sedge
<i>Carex shortiana</i> Dewey	Short's Sedge
<i>Carex sparganioides</i> Willd.	Loose-Headed Bracted Sedge
<i>Carex stricta</i> Lam.	Common Tussock Sedge
<i>Carex tribuloides</i> Wahlenb.	Awl-Fruited Oval Sedge
<i>Carex trichocarpa</i> Schkuhr.	Hairy-fruited Lake Sedge
<i>Carex vulpinoidea</i> Michx.	Brown Fox Sedge
<i>Carpinus caroliniana</i> Walter ssp. <i>virginiana</i> (Marsh.) Furlow	Musclewood
<i>Carya cordiformis</i> (Wangenh.) K. Koch	Bitternut Hickory
<i>Carya glabra</i> (Mill.) Sweet	Pignut Hickory
<i>Carya ovata</i> (Miller) K. Koch	Shagbark Hickory
<i>Caulophyllum thalictroides</i> (L.) Michx.	Blue Cohosh

<i>Celastrus scandens</i> L.	Climbing Bittersweet
<i>Celtis occidentalis</i> L.	Northern Hackberry
<i>Cephalanthus occidentalis</i> L.	Buttonbush
<i>CERASTIUM FONTANUM</i> Baumg. ssp. <i>VULGARE</i> (Hartm.) Greuter & Burdet	Common Mouse-Ear Chickweed
<i>Cercis canadensis</i> L.	Redbud
<i>Chamaecrista fasciculata</i> (Michx.) Greene	Golden Cassia
<i>CHAMAESYCE NUTANS</i> (Lag.) Small	Nodding Spurge
<i>CHENOPODIUM ALBUM</i> L.	Lamb's Quarters
<i>CICHORIUM INTYBUS</i> L.	Chicory
<i>Cicuta maculata</i> L.	Water Hemlock
<i>Cinna arundinacea</i> L.	Common Wood Reed
<i>Circaea lutetiana</i> L. var. <i>canadensis</i> L.	Enchanter's Nightshade
<i>Cirsium altissimum</i> (L.) Spreng.	Tall Thistle
<i>CIRSIUM ARVENSE</i> (L.) Scop.	Canada Thistle
<i>Cirsium discolor</i> (Muhl.) Sprengel	Field Thistle
<i>CIRSIUM VULGARE</i> (Savi) Tenore	Bull Thistle
<i>Collinsonia canadensis</i> L.	Citronella Horse Balm
<i>CONIUM MACULATUM</i> L.	Poison Hemlock
<i>CONVOLVULUS ARVENSIS</i> L.	Field Bindweed
<i>Conyza canadensis</i> (L.) Cronquist	Horseweed
<i>Coreopsis lanceolata</i> L.	Lance-Leaved Coreopsis
<i>Cornus drummondii</i> C.A. Meyer	Rough-Leaved Dogwood
<i>Cornus florida</i> L.	Flowering Dogwood
<i>Corylus americana</i> Walter	American Filbert
<i>Crataegus mollis</i> (T. & G.) Scheele	Downy Hawthorn
<i>Cryptotaenia canadensis</i> (L.) DC.	Honewort
<i>Cuscuta gronovii</i> Willd.	Common Dodder
<i>Cyperus esculentus</i> L. var. <i>leptostachyus</i> Boeckeler	Field Nut Sedge
<i>DACTYLIS GLOMERATA</i> L.	Orchard Grass
<i>Dasistoma macrophylla</i> (Nutt.) Raf.	Mullein Foxglove
<i>DAUCUS CAROTA</i> L.	Queen Anne's Lace
<i>Desmodium glutinosum</i> (Willd.) A.W. Wood	Pointed Tick-Trefoil
<i>DIANTHUS ARMERIA</i> L.	Deptford Pink
<i>Dichanthelium acuminatum</i> (Sw.) Gould & C.A. Clark var. <i>fasciculatum</i> (Torr.) Freckmann	Old-Field Panic Grass
<i>Dichanthelium clandestinum</i> (L.) Gould	Deer-Tongue Grass
<i>Dichanthelium latifolium</i> (L.) Gould & C.A. Clark	Broad-Leaved Panic Grass
<i>Dioscorea villosa</i> L.	Common Wild Yam
<i>DIPSACUS FULLONUM</i> L.	Common Teasel
<i>DIPSACUS LACINIATUS</i> L.	Cut-Leaved Teasel
<i>Echinacea purpurea</i> (L.) Moench.	Purple Coneflower
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	Barnyard-Grass
<i>ELAEAGNUS UMBELLATA</i> Thunb.	Autumn Olive
<i>Eleocharis erythropoda</i> Steud.	Red-Rooted Spike Rush
<i>Eleocharis obtusa</i> (Willd.) Schult.	Blunt Spike Rush
<i>Eleocharis palustris</i> (L.) Roem. & Schult. (including <i>Eleocharis smallii</i> Britton)	Great Spike Rush

<i>Elymus canadensis</i> L.	Canada Wild Rye
<i>Elymus hystrix</i> L.	Eastern Bottlebrush Grass
<i>ELYMUS REPENS</i> (L.) Gould	Quack Grass
<i>Elymus villosus</i> Willd.	Hairy Wild Rye
<i>Elymus virginicus</i> L.	Virginia Wild Rye
<i>Epilobium coloratum</i> Biehler	Cinnamon Willow Herb
<i>Erechtites hieraciifolia</i> (L.) Raf.	White Fireweed
<i>Erigeron annuus</i> (L.) Pers.	Annual Fleabane
<i>Erigeron philadelphicus</i> L.	Marsh Fleabane
<i>Eryngium yuccifolium</i> Michx.	Rattlesnake Master
<i>Euonymus atropurpureus</i> Jacq.	Wahoo
<i>Eupatorium perfoliatum</i> L.	Common Boneset
<i>Eupatorium purpureum</i> L.	Purple Joe Pye Weed
<i>Euthamia graminifolia</i> (L.) Nutt.	Common Flat-Topped Goldenrod
<i>Festuca subverticillata</i> (Pers.) E. Alexeev.	Nodding Fescue
<i>Fragaria virginiana</i> Duchesne	Wild Strawberry
<i>Frasera caroliniensis</i> Walter	American Columbo
<i>Fraxinus americana</i> L.	White Ash
<i>Fraxinus pennsylvanica</i> Marshall	Red Ash
<i>Galium aparine</i> L.	Cleavers, Stickywilly
<i>Galium circaezans</i> Michx.	Smooth Wild Licorice
<i>Galium concinnum</i> Torr. & A. Gray	Shining Bedstraw
<i>Galium triflorum</i> Michx.	Sweet-Scented Bedstraw
<i>Geranium maculatum</i> L.	Wild Geranium
<i>Geum canadense</i> Jacq.	White Avens
<i>Geum laciniatum</i> Murray	Rough Avens
<i>Geum vernum</i> (Raf.) T. & G.	Spring Avens
<i>Gleditsia triacanthos</i> L.	Honey Locust
<i>Glyceria striata</i> (Lam.) Hitchc.	Fowl Manna Grass
<i>Gratiola neglecta</i> Torr.	Clammy Hedge Hyssop
<i>Hackelia virginiana</i> (L.) I.M. Johnst.	Stickseed
<i>Helianthus divaricatus</i> L.	Woodland Sunflower
<i>Helianthus strumosus</i> L.	Pale-Leaved Sunflower
<i>Helianthus tuberosus</i> L.	Jerusalem Artichoke
<i>Heliopsis helianthoides</i> (L.) Sweet	False Sunflower
<i>HEMEROCALLIS FULVA</i> (L.) L.	Orange Day Lily
<i>Heuchera americana</i> L.	Tall Alumroot
<i>HORDEUM JUBATUM</i> L.	Foxtail Barley
<i>Hordeum pusillum</i> Nutt.	Little Barley
<i>Humulus lupulus</i> L. var. <i>pubescens</i> E. Small	American Hops
<i>Hydrastis canadensis</i> L.	Golden Seal
<i>Hydrophyllum macrophyllum</i> Nutt.	Large-Leaved Waterleaf
<i>Hydrophyllum virginianum</i> L.	Virginia Waterleaf
<i>Impatiens capensis</i> Meerb.	Spotted Touch-Me-Not
<i>Ipomea</i> L. sp.	
<i>Iris virginica</i> L. var. <i>shrevei</i> (Small) E. Anderson	Blue Flag

<i>Juglans nigra</i> L.	Black Walnut
<i>Juncus dudleyi</i> Wiegand	Dudley's Rush
<i>Juncus effusus</i> L.	Common Rush
<i>Juncus interior</i> Wiegand	Inland Rush
<i>Juncus tenuis</i> Willd.	Path Rush
<i>Juniperus virginiana</i> L.	Eastern Red Cedar
<i>Lactuca canadensis</i> L.	Wild Lettuce
<i>Lactuca floridana</i> (L.) Gaertn.	Woodland Lettuce
<i>LACTUCA SERRIOLA</i> L.	Prickly Lettuce
<i>LAMIUM AMPLEXICAULE</i> L.	Purple Dead Nettle
<i>Laportea canadensis</i> (L.) Wedd.	Canada Wood Nettle
<i>Leersia oryzoides</i> (L.) Swartz	Rice Cut Grass
<i>Leersia virginica</i> Willd.	White Grass
<i>Lemna minor</i> L.	Small Duckweed
<i>LEONURUS CARDIACA</i> L.	Motherwort
<i>LEPIDIUM CAMPESTRE</i> (L.) R. Br.	Field Peppergrass
<i>Lepidium virginicum</i> L.	Poor Man's Pepper
<i>LEUCANTHEMUM LACUSTRE</i> (Brot.) Samp.	Portuguese Daisy
<i>LEUCANTHEMUM VULGARE</i> Lam.	Ox-Eye Daisy
<i>Liatris spicata</i> (L.) Willd.	Marsh Blazing Star
<i>Lindera benzoin</i> (L.) Blume	Hairy Spicebush
<i>Lithospermum latifolium</i> Michx.	American Gromwell
<i>Ludwigia alternifolia</i> L.	Seedbox
<i>Ludwigia palustris</i> (L.) Elliott	Marsh Purslane
<i>Ludwigia polycarpa</i> Short & R. Peter	False Loosestrife
<i>Lycopus americanus</i> Muhl.	Common Water Horehound
<i>Lysimachia ciliata</i> L.	Fringed Loosestrife
<i>LYSIMACHIA NUMMULARIA</i> L.	Moneywort
<i>Maianthemum racemosum</i> (L.) Link	Feathery False Solomon's Seal
<i>Malus coronaria</i> (L.) Mill.	Wild Sweet Crab
<i>MEDICAGO LUPULINA</i> L.	Black Medic
<i>MELILOTUS ALBA</i> Medikus	White Sweet Clover
<i>MELILOTUS OFFICINALIS</i> (L.) Pallas	Yellow Sweet Clover
<i>Menispermum canadense</i> L.	Moonseed
<i>Mimulus ringens</i> L.	Monkey Flower
<i>Moehringia lateriflora</i> (L.) Fenzl	Blunt-Leaf Sandwort
<i>Monarda fistulosa</i> L.	Wild Bergamot
<i>MORUS ALBA</i> L.	White Mulberry
<i>Muhlenbergia schreberi</i> J.F. Gmel.	Nimblewill
<i>NEPETA CATARIA</i> L.	Catnip
<i>Oenothera biennis</i> L.	Common Evening Primrose
<i>Oenothera speciosa</i> Nutt.	Showy Evening Primrose
<i>Osmorhiza claytonii</i> (Michx.) C.B. Clarke	Hairy Sweet Cicely
<i>Osmorhiza longistylis</i> (Torr.) DC.	Aniseroot
<i>Ostrya virginiana</i> (Mill.) K. Koch	Hop Hornbeam

<i>Oxalis stricta</i> L.	Common Wood Sorrel
<i>Packera glabella</i> (Poir.) C. Jeffrey	Butterweed
<i>Packera obovata</i> (Muhl. ex Willd.) W.A. Weber & A. Löve	Round-Leaved Ragwort
<i>Panicum virgatum</i> L.	Switch Grass
<i>Parietaria pensylvanica</i> Willd.	Pennsylvania Pellitory
<i>Parthenocissus quinquefolia</i> (L.) Planchon	Virginia Creeper
<i>PASTINACA SATIVA</i> L.	Wild Parsnip
<i>Penstemon laevigatus</i> Aiton	Smooth Beard Tongue
<i>Penthorum sedoides</i> L.	Ditch Stonecrop
<i>PHALARIS ARUNDINACEA</i> L.	Reed Canary Grass
<i>PHLEUM PRATENSE</i> L.	Timothy
<i>Phlox divaricata</i> L.	Woodland Phlox
<i>Phryma leptostachya</i> L.	Lopseed
<i>Physalis longifolia</i> Nutt. var. <i>subglabrata</i> (Mackenzie & Bush) Cronq.	Long-Leaved Groundcherry
<i>Phytolacca americana</i> L.	Pokeweed
<i>Pilea pumila</i> (L.) A. Gray	Canada Clearweed
<i>PLANTAGO LANCEOLATA</i> L.	English Plantain
<i>Plantago rugelii</i> Decne.	American Plantain
<i>Platanus occidentalis</i> L.	Sycamore
<i>POA ANNUA</i> L.	Annual Bluegrass
<i>POA COMPRESSA</i> L.	Canada Bluegrass
<i>POA PRATENSIS</i> L.	Kentucky Bluegrass
<i>Poa sylvestris</i> A. Gray	Woodland Bluegrass
<i>Podophyllum peltatum</i> L.	May Apple
<i>Polemonium reptans</i> L.	Jacob's Ladder
<i>Polygonatum biflorum</i> (Walter) Elliott var. <i>biflorum</i>	Smooth Solomon's Seal
<i>Polygonum amphibium</i> L.	Water Smartweed
<i>POLYGONUM AVICULARE</i> L.	Common Knotweed
<i>POLYGONUM CUSPIDATUM</i> Siebold & Zucc.	Japanese Knotweed
<i>POLYGONUM HYDROPIPER</i> L.	Water Pepper
<i>Polygonum lapathifolium</i> L.	Dock-Leaved Smartweed
<i>Polygonum pensylvanicum</i> L.	Pennsylvania Smartweed
<i>POLYGONUM PERSICARIA</i> L.	Lady's-Thumb
<i>Polygonum scandens</i> L.	Climbing False Buckwheat
<i>Polygonum virginianum</i> L.	Woodland Knotweed
<i>Populus deltoides</i> Marshall	Eastern Cottonwood
<i>Populus grandidentata</i> Michx.	Big-Tooth Aspen
<i>Potamogeton</i> L. sp.	Pondweed
<i>Potentilla norvegica</i> L.	Rough Cinquefoil
<i>POTENTILLA RECTA</i> L.	Sulfur Cinquefoil
<i>Potentilla simplex</i> Michx.	Common Cinquefoil
<i>Prenanthes altissima</i> L.	Tall White Lettuce
<i>Prunella vulgaris</i> L. ssp. <i>lanceolata</i> (W. Bartram) Hultén	Selfheal
<i>Prunus americana</i> Marshall	American Plum
<i>Prunus serotina</i> Ehrh.	Wild Black Cherry
<i>Ptelea trifoliata</i> L.	Smooth Wafer Ash
<i>QUERCUS ACUTISSIMA</i> Carruthers	Saw-Toothed Oak
<i>Quercus alba</i> L.	White Oak

<i>Quercus bicolor</i> Willd.	Swamp White Oak
<i>Quercus macrocarpa</i> Michx.	Bur Oak
<i>Quercus palustris</i> Münchh.	Pin Oak
<i>Quercus rubra</i> L.	Northern Red Oak
<i>Ranunculus abortivus</i> L.	Small-Flowered Buttercup
<i>Ranunculus hispidus</i> Michx. var. <i>nitidus</i> (Chapm.) T. Duncan	Smooth Swamp Buttercup
<i>Ranunculus sceleratus</i> L.	Cursed Crowfoot
<i>Ratibida pinnata</i> (Vent.) Barnhart	Yellow Coneflower
<i>Ribes cynosbati</i> L.	Prickly Wild Gooseberry
<i>Rorippa palustris</i> (L.) Besser var. <i>fernaldiana</i> (Butters & Abbe) Stuckey	Common Yellow Cress
<i>Rosa carolina</i> L.	Pasture Rose
<i>ROSA MULTIFLORA</i> Thunb.	Multiflora Rose
<i>Rosa setigera</i> Michx.	Illinois Rose
<i>Rubus allegheniensis</i> Porter	Common Blackberry
<i>Rubus occidentalis</i> L.	Black Raspberry
<i>Rubus pensilvanicus</i> Poiret	Pennsylvania Blackberry
<i>Rudbeckia hirta</i> L. var. <i>pulcherrima</i> Farw.	Black-Eyed Susan
<i>Rudbeckia laciniata</i> L.	Cut-Leaf Coneflower
<i>Ruellia strepens</i> L.	Wild Petunia, Smooth Ruellia
<i>Rumex altissimus</i> A. Wood	Pale Dock
<i>RUMEX CRISPUS</i> L.	Curly Dock
<i>Sagittaria latifolia</i> Willd.	Common Arrowhead
<i>Salix amygdaloides</i> Andersson	Peach-Leaved Willow
<i>Salix interior</i> Rowlee	Sandbar Willow
<i>Salix nigra</i> Marshall	Black Willow
<i>Sambucus nigra</i> L. ssp. <i>canadensis</i> (L.) R. Bolli	American Black Elderberry
<i>Sanguinaria canadensis</i> L.	Bloodroot
<i>Sanicula odorata</i> (Raf.) K.M. Pryer & L.R. Phillippe	Clustered Black Snakeroot
<i>SAPONARIA OFFICINALIS</i> L.	Bouncing Bet
<i>SCHEDONORUS PHOENIX</i> (Scop.) Holub	Tall Fescue
[ <i>Festuca elatior</i> , <i>F. arundinacea</i> ]	
<i>Schizachyrium scoparium</i> (Michx.) Nash	Little Bluestem
<i>Schoenoplectus fluviatilis</i> (Torr.) M.T. Strong	River Bulrush
[ <i>Bolboschoenus fluviatilis</i> (Torr.) Soják]	
<i>Schoenoplectus tabernaemontani</i> (Gmel.) Palla	Softstem Bulrush
<i>Scirpus atrovirens</i> Willd.	Dark Green Bulrush
<i>Scirpus cyperinus</i> (L.) Kunth.	Woolgrass
<i>Scirpus pendulus</i> Muhl.	Red Bulrush
<i>Scutellaria incana</i> Biehler	Downy Skullcap
<i>Scutellaria ovata</i> Hill	Heart-Leaved Skullcap
<i>Senna hebecarpa</i> (Fernald) Irwin & Barneby	Wild Senna
<i>SETARIA FABERI</i> R. Herrm.	Giant Foxtail
<i>Sicyos angulatus</i> L.	Bur Cucumber
<i>Silene stellata</i> (L.) W.T. Aiton	Starry Campion
<i>Silene virginica</i> L.	Fire Pink
<i>Silphium terebinthinaceum</i> Jacq.	Prairie Dock
<i>SISYMBRIUM OFFICINALE</i> (L.) Scop.	Common Hedge Mustard
<i>Sium suave</i> Walter	Water Parsnip



<i>Smilax lasioneura</i> Hook.	Common Carrion Flower
<i>Smilax tamnoides</i> L. [ <i>S. hispida</i> ]	Bristly Greenbrier
<i>Solanum carolinense</i> L.	Horse Nettle
<i>Solidago caesia</i> L.	Bluestem Goldenrod
<i>Solidago canadensis</i> L.	Canada Goldenrod
<i>Solidago juncea</i> Aiton	Early Goldenrod
SONCHUS ASPER (L.) Hill	Spiny Sow Thistle
<i>Sorghastrum nutans</i> (L.) Nash	Indian Grass
<i>Sparganium eurycarpum</i> Engelm.	Common Bur Reed
<i>Spartina pectinata</i> Link	Prairie Cord Grass
<i>Sphenopholis obtusata</i> (Michx.) Scribn.	Prairie Wedge Grass
<i>Spirodela polyrhiza</i> (L.) Schleid.	Great Duckweed
<i>Stachys tenuifolia</i> Willd. [ <i>Stachys hispida</i> ]	Marsh Hedge Nettle
<i>Staphylea trifolia</i> L.	Bladdernut
<i>Symphyotrichum cordifolium</i> (L.) G.L. Nesom	Common Heart-Leaved Aster
<i>Symphyotrichum lanceolatum</i> (Willd.) G.L. Nesom	Panicled Aster
<i>Symphyotrichum lateriflorum</i> (L.) A. Löve & D. Löve	Goblet Aster
<i>Symphyotrichum novae-angliae</i> (L.) G.L. Nesom	New England Aster
<i>Symphyotrichum puniceum</i> (L.) A. Löve & D. Löve	Bristly Aster
<i>Symphyotrichum sagittifolium</i> (Wedemeyer ex Willd.) G.L. Nesom	Arrow-Leaved Aster
<i>Teucrium canadense</i> L. var. <i>canadense</i>	American Germander
<i>Thalictrum dioicum</i> L.	Early Meadow Rue
<i>Thalictrum revolutum</i> DC.	Waxy Meadow Rue
<i>Thaspium trifoliatum</i> (L.) A. Gray var. <i>aureum</i> (L.) Britton	Yellow Meadow Parsnip
THLASPI ARVENSE L.	Penny Cress
<i>Toxicodendron radicans</i> (L.) Kuntze var. <i>negundo</i> (Greene) Reveal	Common Poison Ivy
<i>Tradescantia subaspera</i> Ker Gawler	Broad-Leaved Spiderwort
<i>Tradescantia virginiana</i> L.	Virginia Spiderwort
<i>Tridens flavus</i> (L.) A. Hitchc.	Purpletop Tridens
TRIFOLIUM HYBRIDUM L.	Alsike Clover
TRIFOLIUM PRATENSE L.	Red Clover
TRIFOLIUM REPENS L.	White Clover
<i>Trillium flexipes</i> Raf.	Nodding Trillium
<i>Trillium sessile</i> L.	Sessile Trillium
<i>Triodanis perfoliata</i> (L.) Nieuwl. [ <i>Specularia perfoliata</i> ]	Venus' Looking Glass
<i>Triosteum aurantiacum</i> E.P. Bicknell	Early Horse Gentian
<i>Tripsacum dactyloides</i> (L.) L.	Eastern Gama Grass
TYPHA ANGUSTIFOLIA L.	Narrow-Leaved Cattail
<i>Typha latifolia</i> L.	Broad-Leaved Cattail
<i>Ulmus americana</i> L.	American Elm
ULMUS PUMILA L.	Siberian Elm
<i>Ulmus rubra</i> Muhl.	Slippery Elm
<i>Urtica dioica</i> L. subsp. <i>gracilis</i> (Aiton) Selander	Tall Stinging Nettle
<i>Uvularia grandiflora</i> Sm.	Large-Flowered Bellwort
<i>Valerianella umbilicata</i> (Sull.) Wood	Corn Salad
VERBASCUM BLATTARIA L.	Moth Mullein
VERBASCUM THAPSUS L.	Woolly Mullein

<i>Verbena hastata</i> L.	Blue Vervain
<i>Verbena urticifolia</i> L.	White Vervain
<i>Verbesina alternifolia</i> (L.) Britton ex Kearney	Wingstem
<i>Vernonia gigantea</i> (Walter) Trel.	Tall Ironweed
<i>VERONICA ARVENSIS</i> L.	Corn Speedwell
<i>Veronica peregrina</i> L.	Purslane Speedwell
<i>Veronicastrum virginicum</i> (L.) Farw.	Culver's-Root
<i>Viburnum acerifolium</i> L.	Maple-Leaved Arrowwood
<i>Viburnum lentago</i> L.	Nannyberry
<i>Viburnum prunifolium</i> L.	Black Haw
<i>Viburnum rafinesqueanum</i> Schult.	Downy Arrowwood
<i>Viola pubescens</i> Aiton	Downy Yellow Violet
<i>Viola sororia</i> Willd.	Woolly Blue Violet
<i>Vitis aestivalis</i> Michx.	Summer Grape
<i>Vitis riparia</i> Michx.	Riverbank Grape
<i>Xanthium strumarium</i> L.	Rough Cocklebur
<i>Zanthoxylum americanum</i> 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**

<i>Didelphus virginiana</i>	Opossum
<i>Microtus pennsylvanicus</i>	Meadow Vole
<i>Odocoileus virginicus</i>	White-tailed Deer
<i>Scalopus aquaticus</i>	Eastern Mole
<i>Sciurus niger</i>	Fox Squirrel

**BEEES**

<i>Apis mellifera</i>	European Honey Bee
<i>Xylocopa virginiana</i>	Eastern Carpenter Bee

**MISCELLANEOUS INSECTS**

<i>Boisea trivittata</i>	Box Elder Bug
<i>Mycetophila</i> sp.	Mushroom Gnat

**FISH**

<i>Cyprinus carpio</i>	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  
Gabiella 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