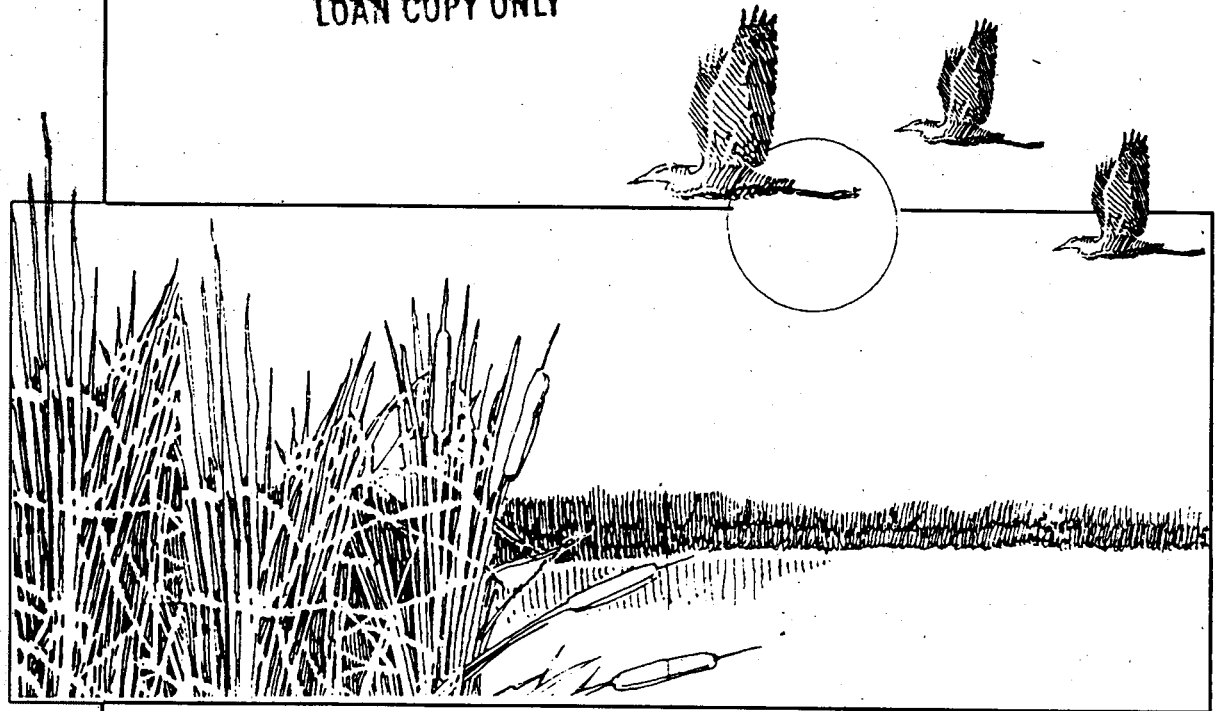


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Old Woman Creek National Estuarine Research Reserve
& State Nature Preserve

**TECHNICAL
REPORT
No. 12**

**Catalogue of the Invertebrate Fauna of
Old Woman Creek Estuary, Watershed, and
Adjacent Waters of Lake Erie**



by
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Old Woman Creek Site Profile - Contribution No. 3

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Catalogue of the Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie

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Catalogue of the Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie

INTRODUCTION

Although much of Ohio's Lake Erie shoreline is highly developed, a few areas with significant natural features remain relatively undisturbed. One of these is a freshwater estuary located at the mouth of Old Woman Creek, about 5 km east of the city of Huron, Ohio. On the south shore of Lake Erie, this estuary lies near the southernmost point of the Great Lakes system. The Ohio Department of Natural Resources began the process of acquiring the property surrounding this estuary in 1975 and applied to the National Oceanic and Atmospheric Administration for financial assistance to protect this unique natural area. In 1980 Old Woman Creek estuary received National Estuarine Research Reserve (NERR) designation. The NERR system is a network of federal, state, and community partnerships which serve to promote informed management of our nation's estuarine and coastal habitats through linked programs of scientific understanding, public education, and stewardship. The 230-hectare Old Woman Creek National Estuarine Research Reserve and State Nature Preserve (hereafter referred to as the Reserve) serves as a field laboratory where scientists can study naturally functioning systems and is a place where students and the public can learn about estuarine ecology in a natural setting.

As a transition zone between land and water, Old Woman Creek estuary and its immediate environs contain several distinct habitats, including woodlands, a prairie remnant, creek valley, swamp forest, marshes, wooded coves, open waters of the estuary, an island, barrier beach, and nearshore Lake Erie (Figure 1). The estuary is the drowned mouth of a relatively small tributary to Lake Erie. Estuarine wetlands, consisting of 60 hectares, extend 2 km south of the Lake Erie shore. As the result of wave action and littoral drift, a barrier beach has formed at the mouth which bars off the estuary for extended periods. The barrier is periodically broken by storm flow from the watershed, but occasionally Lake Erie storm surges spill over the bar and into the estuary.

Old Woman Creek drains 69 km² of primarily agricultural land (Figure 2). The headwater tributaries of Old Woman Creek originate on the till plain surface at an elevation of approximately 270 m above sea level. The creek empties into Lake Erie 24 km downstream, dropping 96 m as it flows over the rolling till plain, through the high Berea escarpment, and down the gentle lake plain. Two main branches, east and west, originate in the till plain, cut independently through the sandstone escarpment, and join on the lake plain about 2 km south of the estuary. Floral habitats within the watershed include hardwood forests, meadows, ravines, sandstone hills, abandoned beach ridges, creek banks, floodplains, active and old agricultural fields, and rights-of-way margins.

INVERTEBRATES

Invertebrate is the name given to any of the animals or animal-like organisms without backbones as contrasted with the vertebrates (e.g. fish, amphibians, reptiles, birds, and mammals); all of which have a vertebral column. Taxonomically, invertebrates are grouped into some 37 phyla in two kingdoms: Protista and Animalia. Representatives of 13 of the invertebrate phyla have been identified in Old Woman Creek estuary and watershed, and adjacent waters and tributaries of Lake Erie. Altogether, a total of 1,352 taxa of aquatic and terrestrial invertebrates documented from the study area are listed in the catalogue.

PROTISTA: PROTOZOANS

Protozoans consist of a large group of unicellular animals that have adapted their cell to serve as the entire body. Classified as a subkingdom of the Kingdom Protista, protozoans are not simple organisms because within a single cell they must perform all of the body functions for which higher animals have many organ systems. Protozoans live under almost all natural conditions where moisture is found (Jahn et al. 1979). Within Old Woman Creek estuary and watershed researchers have identified 318 taxa of these microscopic creatures.

The locomotor organelles of Protozoa are used to separate them into major taxonomic groups. These organelles include: (1) undulipodia, which possess cilia or flagella and (2) pseudopodia, which are elongated extensions of the body formed by protoplasmic flows. Undulipodia produce rotary, undulatory, and helical wave motions that propel the cell, whereas pseudopodia create flowing motions (Pearse et al. 1987). The protozoans identified at Old Woman Creek are of the following types (taxa reported):

SUBKINGDOM PROTOZOA	<u>UNDULIPODIA</u>		<u>PSEUDOPODIA</u>
PHYLUM SARCOMASTIGOPHORA (198)	<u>CILIA</u>	<u>FLAGELLA</u>	
Subphylum Mastigophora (145)		•	
Class Dinoflagellata (2)		•	
Class Phytomastigophora (48)		•	
Class Euglenea (60)		•	
Class Zoomastigophora (35)		•	
Subphylum Sarcodina (53)			•
Class Lobosa (33)			•
Class Filosa (4)			•
Class Granuloreticulosa (2)			•
Class Heliozoa (14)			•
PHYLUM CILIOPHORA (120)	•		
Class Kinetofragminophora (53)	•		
Class Oligohymenophora (28)	•		
Class Polyhymenophora (39)	•		

PHYLUM SARCOMASTIGOPHORA

The sarcomastigophorans include both flagellated and amoeboid protozoans, thus the phylum is divided into two subphyla based on the type of locomotion organelles. The mastigophorans possess flagella, whereas the sarcodines utilize pseudopodia.

Subphylum Mastigophora

Mastigophorans are protozoans that have one or more flagella. Some are plant-like and contain green chloroplasts (chromatophores), such as the dinoflagellates, phytomastigophores, and euglenoids. Other are more animal-like and lack chloroplasts, such as the zoomastigophores. Many of the species in this subphylum are considered algae and are also listed in *Catalogue of Algal Flora and Lower Plants* [Old Woman Creek Technical Report No. 13: Site Profile Contribution No. 4].

Class Dinoflagellata. Dinoflagellates differ from other mastigophores in having a transverse groove or “girdle” holding a circumferential flagella. The groove typically has a posterior extension which has another (longitudinal) flagella. The body is commonly armored with thick cellulose plates ranging in color from reddish-brown to yellow. The forward part of an armored cell is referred to as the epitheca and the behind part is the hypotheca. Dinoflagellates are a major food source for aquatic organisms. The genus *Gymnodinium*, which is a benthic inhabitant of the estuary, has green chloroplasts but lacks a protective cellulose case (theca).

Class Phytomastigophora. Three orders of this class comprise common benthic groups in the estuary: cryptomonads, chrysomonads, and volvoceans. Cryptomonads are very small, flattened protozoans with distinct reservoir pockets and yellow to brownish-green chloroplasts. Chrysomonads are also very small protozoans that possess a variety of features including spines, pallmella (group of cells in a gelatinous matrix), lorica (loose fitting sheath), branched stalk, and colonial arrangements. Volvoceans are larger solitary or colonial protozoans with cellulose walls through which 2 to 8 flagella extend from each cell.

Class Euglenea. Euglenoids are flagellates that typically have grassy green chloroplasts and reddish sigma (eyespot with photoreceptive function). They store carbohydrates as granules in an anterior reservoir (Ruppert and Barnes 1994). The family Trachelomonadidae consists of euglenoids that are each housed in a self-secreted lorica of various shapes. The order Peranemida are colorless euglenoids that obtain their nutrition by absorbing dissolved food through the cell membrane (saprobic) or by the ingestion of organic material as animals must do (holozoic). They exhibit a distinct gullet in contrast to the indistinct gullet of the pigmented euglenoids.

The organisms known as “euglenoids” constitute a controversial group in terms of the traditional plant versus animal debate. Most euglenoids are chlorophyll-bearing (chlorophytes), protozoa-like organisms of the Protista, and as such the chlorophytes can be considered members of the algae, Division Euglenophyta (Taft and Taft 1971).

Class Zoomastigophora. These mastigophorans lack chloroplasts and stigma. Members of the family Codonosigidae typically have a transparent, ovoid body with a protruding collar that encircles a flagellum. Some individuals resemble collared cells lining the incurrent channels of sponges, suggesting an evolutionary relationship. Codonosigids are solitary or colonial, some with lorica, and some are stalked. The other common family in Old Woman Creek, Bodonidae, has two flagella and kinetoplasts (a replicating structure located near the base of the flagella). Nutrition is holozoic or coprozoic (ingestion fecal pellets that have enriched by microbial activity).

Subphylum Sarcodina

Sarcodina are distinguished by their movement, which is induced protoplasmic flow, and their pseudopodia which are temporary cytoplasmic extensions. Pseudopodia can be long and thin (axopodia), tapered and branched (filopodia), granular and interweaving or “anastomosing” (granuloreticulopodia), large and finger-like (lobopodia), and polytubular (myxopodia). In addition to locomotion, pseudopodia are used to capture food. Four classes of these protozoans have been identified in Old Woman Creek estuary.

Class Lobosa. This large group contains the protozoans more commonly known as “amoebas” and their close relatives which form tests or shells. Amoebas typically form lobopodia of various types which facilitate locomotion. The family Diffugiidae, represented by several benthic species in the estuary, form shells composed of mineral particles that are ingested by these protozoans and embedded in a secreted matrix (Ruppert and Barnes 1994).

Class Filosa. Members of this class found in Old Woman Creek feed on algae. *Vampyrella lateritia* has a round bright orange body, the color imparted by carotinoid granules derived from algal food. Using filopodia that resemble suctorial tentacles, these protozoans enter algal cells by digesting a hole in the cellulose wall of the alga, insert pseudopodia and digest the internal protoplasm, and then move to the next cell to repeat the process (Jahn et al. 1979). *Vampyrella* is responsible for the destruction of much filamentous algae, such as the green alga *Mougeotia*.

Class Granuloreticulosa. Most of the protozoans in this group form a calcareous test from which, through small pores, the granuloreticulopodia are extended in bundles that branch and form interweaving networks around the body (Jahn et al. 1979). In Old Woman Creek estuary, this class is represented by *Biomyxa vagans* in the order Athalamida and *Diplophrys archeri* in the order Foraminiferida.

Class Heliozoa. These delicate protozoans have spherical bodies with many radiating axopodia giving rise to their common name, “sun animalcule.” *Actinophrys sol*, found in Old Woman Creek, is a typical freshwater form of this group. Some members, such as the genus *Heterophrys*, have skeletons composed of silica secreted by the organism and embedded in an outer gelatinous covering.

PHYLUM CILIOPHORA

The ciliates propel their bodies and food with short cilia (undulipodia). Many species have two types of nuclei, large ones (macronuclei) and small ones (micronuclei). Many ciliates have cilia in rows on the body or in tufts, but no specialized cilia around the mouth. Other ciliates have cilia grouped in or around the mouth, besides in rows over the body.

Class Kinetofragminophora. Members of this class lack cilia as special organelles around or in the mouth. However, some members of the order Prostomatida do have club-shaped tactile cilia around the mouth. Representative of this group in the estuary, *Coleps octospina* has a barrel-shaped body with eight posterior spines. Ciliates in the order Haptorida found in the estuary are rapacious carnivores, such as *Didinium nasutum* which preys on *Paramecium*. Members of the order Suctorida only have cilia as larvae; adults are sessile with sucking and piercing tentacles used to catch prey and extract the cytoplasm. The suctorean *Acineta*, has a short stalk which is commonly attached to algae on the carapaces of turtles.

Class Oligohymenophora. These ciliates have a series of cilia or an undulating membrane that curves counter-clockwise along the rim of the mouth cavity. The common, and extensively studied, aquatic genera *Paramecium* and *Tetrahymena* are members of this class and are residents of the estuary. These ciliates possess water expelling vesicles to eliminate excess water engulfed during the feeding process. Members of the suborder Sessilina of the order Peritrichida, such as *Vorticella campanula*, are often attached by a self-produced stalk to a variety of substrates in aquatic habitats, but large peritrichs have been reported in western Lake Erie plankton (Herdendorf and Monaco 1983). Planktonic *Vorticella* are commonly associated with colonies of the blue green alga *Anabaena flos-aqua*.

Class Polyhymenophora. These ciliates all have a band of membranelles (fused rows of cilia) arranged clockwise around or leading to the mouth. Members of the order Hypotrichida scuttle about on their ventral cirri (tufts of cilia fused together to form stiff, motile structures) as if they had tiny legs. In the estuary, *Stylonychia* is typical of this order with distinct frontal, ventral, anal, and caudal cirri (Kudo 1939). In the family Tininnidae of the order Oligotrichida, the transparent body of *Tinntinnidium fluviatile* is attached inside a trumpet-shaped lorica. The lorica is commonly impregnated with an agglomeration of sediment particles and is attached to submerged vegetation in the estuary.

ANIMALIA

Invertebrate animals differ most importantly from plants in that these animals are heterotrophs, that is they must obtain energy in the form of organic food produced by other organisms. Most of the distinctive characteristics of animals are associated with the requirements of finding, engulfing, and digesting food (Parker 1982). Animalia invertebrates from the following 11 phyla have been identified in the Old Woman Creek study area, altogether yielding 1,034 species (taxa reported):

- PHYLUM PORIFERA:** Class Demospongiae (horny sponges) (2)
- PHYLUM CNIDARIA:** Class Hydrozoa (hydras) (2)
- PHYLUM PLATYHELMINTHES:** Class Turbellaria (flatworms) (5)
- PHYLUM GASTROTRICHA:** Class Chaetonotida (gastrotrichs) (2)
- PHYLUM ROTIFERA** (rotifers) (34)
 - Class Bdelloidea (3)
 - Class Monogononta (31)
- PHYLUM NEMATODA:** Class Adenophorea (roundworms) (3)
- PHYLUM MOLLUSCA:** (33)
 - Class Gastropoda (snails) (11)
 - Class Bivalvia (clams) (22)
- PHYLUM ANNELIDA:** (46)
 - Class Hirudinea (leeches) (4)
 - Class Oligochaeta (segmented worms) (42)
- PHYLUM ARTHROPODA:** (901)
 - Class Arachnida: (77)
 - Order Araneae (spiders) (74)
 - Order Acriformes (water mites) (3)
 - Class Crustacea: (83)
 - Subclass Branchiopoda: (39)
 - Order Cladocera (water fleas) (39)
 - Subclass Ostracoda (seed shrimps) (9)
 - Subclass Copepoda (water-hoppers): (25)
 - Order Calanoida (9)
 - Order Harpacticoida (4)
 - Order Cyclopoida (12)
 - Subclass Branchiura: Order Arguloida (fish lice) (1)
 - Subclass Malacostraca: (9)
 - Order Isopoda (sow bugs) (2)
 - Order Amphipoda (scuds) (4)
 - Order Decapoda (crayfishes & shrimps) (3)
 - Class Insecta: (741)
 - Subclass Entognatha: (4)
 - Orders Collembola & Diplura (springtails & diplurans) (4)
 - Subclass Ectognatha: (737)
 - Order Thysanura (bristletails) (1)
 - Order Ephemeroptera (mayflies) (18)
 - Order Odonata (damselflies & dragonflies) (49)
 - Orders Blattaria & Mantodea (cockroaches & mantids) (4)
 - Order Isoptera (termites) (1)
 - Order Orthoptera (grasshoppers & crickets) (15)
 - Order Dermaptera (earwigs) (4)
 - Order Plecoptera (stoneflies) (14)
 - Order Thysanoptera (thrips) (3)
 - Order Hemiptera (true bugs) (78)
 - Order Homoptera (cicadas, leafhoppers & aphids) (32)
 - Order Neuroptera (nerve-wing insects) (11)
 - Order Coleoptera (beetles) (178)
 - Orders Mecoptera & Siphonaptera (scorpionflies & fleas) (3)
 - Order Diptera (true flies) (126)
 - Order Trichoptera (caddisflies) (65)
 - Order Lepidoptera (butterflies & moths) (83)
 - Order Hymenoptera (ants, bees & wasps) (52)
 - PHYLUM TARDIGRADA:** Class Eutardigada (water bears) (1)
 - PHYLUM BRYOZOA:** Class Phylactoaemata (bryozoans) (5)

PHYLUM PORIFERA

This phylum includes small freshwater sponges that are occasionally found in freshwater wetlands. They live in colonies, forming finger-like lobes, cushion-shaped masses, or encrusting patches. Because sponges do not require sunlight, they often live on the underside of submerged logs and other objects, commonly in association with bryozoan colonies and zebra mussels. Sponges of the estuary, Family Spongillidae, do not have specialized organs and are made up of a loose network of cells supported by siliceous spicules embedded in a collagen binder known as spongin (Thorp and Covich 1991). The chief food sources for sponges are very fine particulate matter and planktonic organisms suspended in the water column. As sedentary animals, they obtain their food by filtering the water that surrounds them through a series of pores located on the outer surface of their body.

PHYLUM CNIDARIA

This phylum, also known as Coelenterata, is primarily composed of marine members and has been relatively unsuccessful in adapting to freshwater except for the class Hydrozoa. In Old Woman Creek watershed two species of this class have been identified, the brown hydra (*Hydra americana*) from the estuary and a freshwater jellyfish (*Craspedacusta sowerbyi*) from an abandoned sandstone quarry pit (Baillie Quarry) 3.4 km northeast of Berlin Heights. The polyps of hydras are common on many hard, submerged surfaces, while the medusoid jellyfish are rare and can be seemingly absent for a number of years. The body wall of cnidarians is characterized by three layers, a thin acellular gel (mesoglea) sandwiched between two thicker cellular layers (ectoderm and endoderm) that surround a central body cavity. These animals capture most of their invertebrate prey with ectodermal batteries of stinging or sticky nematocysts.

PHYLUM PLATYHELMINTHES

In Old Woman Creek estuary this phylum is represented by 5 species in three orders of the class Turbellaria. Two of the orders (Catenulida and Neorhabdocoela) are considered microturbellarians and members are typically less than 1 mm in length, whereas individuals of the other order (Tricladida) can reach up to 20 mm and are considered macroturbellarians. Triclads, also known as planarians, have been the subject of more study than the smaller orders. Turbellarians are unsegmented flatworms that live in benthic and epiphytic environments. Most flatworms scavenge bacteria, algae, and protozoans, although triclads are predatory on other invertebrates. These animals were never found in great numbers in the estuary, but they were widespread in the sediment and on plants.

PHYLUM GASTROTRICHA

Gastrotrichs are microscopic, elongated animals that colonize sediments and submerged plant stems and leaves. One genus, *Chaetonotus*, has been identified in Old Woman Creek estuary. *Chaetonotus* feeds on organic debris, algae, protozoans, and bacteria which are swept into its terminal mouth by the beat of four ciliated tufts which are arranged in pairs on either side of the head (Kershaw 1983). The body wall is covered by a cuticle secreted by the epidermis and the dorsal surface bears a series of spines and scales. Gastrotrichs have a relatively short life span—usually between 3 to 21 days.

PHYLUM ROTIFERA

Rotifers are small (<1 mm long) but active members of the aquatic community. The head characterized by a crown of feeding cilia (corona) that gives the appearance of revolving wheels—hence the group's scientific name "Rotifera" and the common name "wheel animalcules"—and a muscular pharynx with a set of hard jaws, the mastax. The cilia of the head region are also used for locomotion. Most species are transparent and many have a thickened, sometimes armored, body wall (lorica) that tapers to a tail-like projection called a foot. The foot contains glands that can secrete an adhesive material used to anchor the rotifer during feeding (Pearse et al. 1987). Thus these animals can be either planktonic or sessile. Some 34 taxa of rotifers have been identified for Old Woman Creek estuary and the adjacent waters of Lake Erie, in 2 classes, 3 orders, and 10 families. Rotifers occur in a variety of aquatic habitats, both benthic and planktonic. As a group, rotifers are considered generalist suspension feeders, consuming a wide variety of small animal prey and plants. However, certain species have highly specific food habits. Most rotifers are females—the male being diminutive and short-lived.

PHYLUM NEMATODA

Nematodes, commonly known as roundworms because of their circular cross-section, are a diverse group of animals that can occur in great numbers within a small area. Three genera (*Tobrilus*, *Dorylaimus*, and *Criconemoides*) in 3 orders and in 3 families of the class Adenophorea have been identified in Old Woman Creek estuary. Nematodes are small invertebrates (generally less than 1 cm long) that occur in most benthic and epiphytic habitats in the estuary and at times they are very abundant. Roundworms totally lack cilia and flagella. They move by undulatory propulsion in which sinusoidal waves pass backwards along the body length. This strategy is particularly suitable for movement in a fluid medium. The genus *Tobrilus* feeds on small microfauna, including other nematodes, *Dorylaimus* is adapted for harvesting algae and other microflora, and *Criconemoides* is an ectoparasite that commonly attacks plant roots which in turn form galls which then become preferred feeding sites for others of their kind (Parker 1982).

PHYLUM MOLLUSCA

These soft-bodied animals, often with hard calcareous shells, include two familiar freshwater classes: Gastropoda (snails) and Bivalvia (clams). Their fleshy mantle secretes a shell which consists of a protein matrix reinforced by crystalline calcium carbonate in the form of either calcite or aragonite. Respiratory gills (ctenidia) are located in a posterior cavity formed by folds in the mantle.

Class Gastropoda. Snails possess a single shell (or valve) that is either flatly coiled or spiraled into a cone-like shape. In the estuary, the shells are typically drab-colored and range in size from a few millimeters for the small physids to over 50 mm for the Japanese mystery snail (*Cipangopaludina japonicus*). Part of the soft body protrudes from the shell aperture and bears a distinctive head with a pair of tentacles, often containing photosensitive eyes. Ten species of aquatic snails, in 2 orders and 5 families, have been identified in Old Woman Creek estuary, as well as one terrestrial species in the watershed. Most of the snails are benthic organisms that move slowly over the sediments of the estuary. Many feed on encrusted growths of algae, while others are detritivores or omnivores. Some burrow into the soft muds or detritus during dry periods or when habitats become frozen solid in winter. The land snail, *Mesodon thyroideus* in the family Polygyridae, prefers the humid woodlands surrounding the estuary. Members of this family live under dead wood, leaves, and stones. They are mainly active nocturnally or during rain, and chiefly feed on mold and fungi (Parker 1982).

Class Bivalvia. Clams and mussels possess a two-piece shell, made up of 2 valves, thus the name "bivalve." The two opposing valves are connected by a hinge and are opened and closed with powerful muscles. Clam shells are commonly oval shaped, range in color from yellow to brown or green, and possess concentric, annular growth lines. Zebra and quagga mussels (*Dreissena polymorpha* and *Dreissena bugensis*), recent invaders of Lake Erie, have distinctive strips and litter the barrier beach at the estuary mouth. Unlike the snails, the protruding soft body parts of the bivalves lack head, eyes, and tentacles. Bivalves generally feed by filtering planktonic microorganisms out of the water, but some burrowing forms feed on organic matter strained from the substrate. Eight species of bivalves, in 2 orders and 3 families, have been found in Old Woman Creek estuary and an additional 14 species are found in the adjacent nearshore waters and tributaries of Lake Erie. Four of the bivalves reported for the nearshore waters of Lake Erie in the vicinity of the Reserve are listed by the Ohio Division of Wildlife (1992) as threatened (T) or of special interest (S); no other invertebrates found within the study area appear on the State list:

- Black sandshell (*Ligumia recta*) (T)
- Fawnsfoot (*Truncilla donaciformis*) (T)
- Deertoe (*Truncilla truncata*) (S)
- Purple wartyback (*Cyclonaiastuberculata*) (S)

PHYLUM ANNELIDA

The most obvious trait of annelids is their body plan which consists of an elongated and segmented tube. Each segment is essentially the same and divided from the next segment by a ring-like marking. Two classes are found in the estuary, the leeches (Hirudinea) and aquatic and terrestrial earthworms (Oligochaeta).

Class Hirudinea. Leeches are flattened, segmented worms—often patterned and brightly colored. They possess both anterior (front) and posterior (rear) suckers, which are variously used for attachment, feeding, or locomotion. The leeches found in the estuary are either predators of other macroinvertebrates or temporary ectoparasites of fishes, amphibians, turtles, or water birds. Of the 4 species of leeches documented for the estuary, *Batracobdellaphalera*, a fish parasite, is the most common.

Class Oligochaeta. Aquatic earthworms are generally elongated, cylindrical worms that bear a few short bristles or hairs (chaeta) on each body segment. The silty bottom sediments and algal mats of the estuary have yielded 42 species of oligochaets in 2 orders and 4 families. Many are deposit feeders on the soft sediments of the estuary, utilizing the organic components for their nutrient source. Others feed primarily on periphyton or detritus, and a few are carnivorous, such as *Chaetogaster* spp.

PHYLUM ARTHROPODA

This phylum is the most successful in terms of numbers and diversity of terrestrial invertebrate animals and one of the most prominent freshwater taxa. Three of the classes are diverse and important components of the Old Woman Creek estuary and watershed: Arachnida (spiders and water mites); Crustacea (cladocerans, copepods, amphipods, and crayfishes); and Insecta (flies, bugs, and beetles). As a group, most members are characterized by a chitinous exoskeleton and ridged, jointed appendages which have been modified as legs, mouthparts, and antennae.

Class Arachnida

This class includes spiders, scorpions, ticks, and mites. In general, they are terrestrial arthropods that have their body divided into two main regions: (1) a cephalothorax (fused head and thorax) bearing 6 pair of appendages, of which 4 pairs are walking legs, and (2) an abdomen that bears no locomotive appendages. The 4 pairs of walking legs and the absence of antennae serve as a simple way to distinguish arachnids from insects which have 3 pairs of walking legs and prominent antennae. The two arachnid orders that contain spiders and mites are represented in the watershed.

Order Araneae. In spiders the cephalothorax is covered by a carapace shield which usually contains 8 simple eyes. The abdomen generally has 3 pairs of silk spinnerets. The proteinaceous fluid silk which issues from these appendages polymerizes under tension forming a hardened

thread (Pearse et al. 1987). The tips of the spinnerets have a battery of minute spinning tubes that connect with several kinds of silk glands which produce different types of silk for such purposes as constructing various parts of a web, producing adhesive threads, making a protective cocoon, and binding the prey. All spiders spin silk, but relatively few weave the spiraling orb webs (family Araneidae) found in the uplands surrounding the estuary. Within the Old Woman Creek watershed, 74 species of spiders, in 16 families, have been identified.

Order Acriformes. Mites differ from spiders in having their cephalothorax and abdomen fuse into an unsegmented, ovoid body. Only members of the suborder Hydrachnida have become adapted to aquatic environments. Most water mites are brightly colored—commonly dark red, scarlet, or orange. They breath air but spend extended periods on the mud bottom and submerged plants of the estuary searching for prey. Like spiders, water mites are carnivorous feeders, clutching their prey and sucking the body juice. Three genera of water mites have been identified in Old Woman Creek estuary.

Class Crustacea

Crustaceans are characterized by bodies that are divided into linear segments which are grouped into a head, thorax, and abdomen. They possess paired, joined appendages; and have an exoskeleton—a hard, durable, and protective body covering. The sclerotization of the covering (stiffening facilitated by chitinous plates) is interrupted at the joints which insures mobility. The exoskeleton is molted at intervals to permit growth of the individual. Nine orders of crustaceans are found in the Old Woman Creek study area, including cladocerans, ostracods, copepods (calanoids, harpacticoids, and cyclopoids), arguloids, isopods, amphipods, and decapods.

Subclass Branchiopoda. Order Cladocera (water fleas) consist of small crustaceans, 0.2 to 3.0 mm in length, that swim in rapid jerks caused by the beating of branched second antennae. Cladocerans are the preferred food of many young and adult estuary fishes. They have a distinct head with vision organs, usually consisting of a compound eye and a smaller light sensitive eye or ocellus (Ruppert and Barnes 1994). The body is covered by a protective bivalve carapace. Complex movements of thoracic legs produce a constant current of water between the valves which facilitates the filtering of food particles, such as bacteria, algae, protozoans, and organic detritus from the water. In Old Woman Creek, its estuary, and the adjacent nearshore waters of Lake Erie, a total of 39 species, in 8 families, have been identified.

Subclass Ostracoda. Commonly known as seed shrimp, these small crustaceans are distinguished by a bivalved carapace which envelops their soft body. They are typically herbivores or detritivores that live in benthic habitats. Nine species of ostracods, in 5 separate families, have been found in the estuary.

Subclass Copepoda. Copepods are another group of small crustaceans—subdivided into three orders: Calanoida, Harpacticoida, and Cyclopoida. Copepods have been estimated as the most numerous multicellular animal in the world (Pearse et al. 1987). They are voracious consumers of phytoplankton and small invertebrates and are in turn fed on by a variety of larger invertebrates and fishes. The copepod body is shrimp-like and ranges from 0.3 to 3.0 mm in length. They appear to glide rapidly and smoothly through the water by using thoracic appendages (calanoids) or the second antennae (cyclopoids). Harpacticoids are more benthic in nature and tend to crawl over the bottom. Identification of the three orders is based mainly on morphological details of appendages and feeding habits. Calanoid copepods feed largely by filtration of plankton. Their second antennae are used as screws to produce a current from which phytoplankton is either filtered or seized by the mouth. Cyclopoid copepods (so named for a single eye spot in the front of the head) do not filter feed but use mandibles to capture a variety of small animals, including mosquito larvae. Harpacticoid copepods inhabit macrophytes and littoral sediments, and feed mainly by scraping organic matter from submerged surfaces. A total 25 copepod species, in 4 families, have been reported from the estuary.

Subclass Branchiura. In the estuary, this subclass is represented by one genus, *Argulus*, in the order Arguloida. As the common name “fish lice” suggests, these small crustaceans are ectoparasites and attach themselves to the gills of fish. Their mandibles have been modified to form a pair of hooks and their maxillules have become large suckers. In *Argulus* the mandibles are incorporated into a specialized proboscis and a sheathed, hollow spine is used to pierce the skin of the host fish and extract body fluids (Thorp and Covich 1991).

Subclass Malacostraca. This subclass contains three important orders which are represented in Old Woman Creek estuary: Isopoda (aquatic sow bugs), Amphipoda (scuds), and Decapoda (crayfishes and shrimps). Isopods are dorsoventrally flattened and well adapted for crawling. As the name of the order implies, their walking-leg appendages are all similar in design. Most isopods are detritus feeders, such as *Caecidotea racovitzai*. Amphipods are more compressed laterally and tend to swim on their sides. Their first three pleopods (abdominal appendages) are modified as swimmerets. Two common amphipods in the estuary are *Gammarus fasciatus* and *Hyaella azteca*. Decapods are the largest arthropods in the estuary and are represented by two crayfishes (*Cambarus diogenes* and *Orconectes rusticus*) and a glass shrimp (*Palaemonetes kadiakensis*).

Class Insecta

Insects, the largest class of invertebrates found in the Old Woman Creek watershed, consist of two subclasses: Entognatha, primitive insects represented by springtails and diplurans, and Ectognatha, true insects represented by 22 orders. Altogether, 741 taxa of insects have been identified from the study area.

Orders Collembola & Diplura. These orders include the springtails and diplurans. These primitive insects are small, wingless, and usually blind. Springtails have an abdominal jumping organ and well-developed legs. Diplurans have a v-shaped tail formed by two caudal filaments at the end of their abdomen. These insects live in damp leaf humus, decomposing wood, and soil beneath stones and fallen trees in the upland woodlots surrounding the estuary and throughout the watershed.

Order Thysanura. This order includes the silverfish. These fast-running insects have three narrow, elongated appendages at the end of the abdomen. Unlike the more primitive entognathan insects which occupy similar natural habitats, silverfish have compound eyes. These silver-gray insects can be domestic pests, feeding on the starch in books and textiles.

Order Ephemeroptera. This order includes the mayflies. These winged insects have medium-sized, elongated soft bodies with usually three long threadlike tails. Mayflies are unique insects in that a fully winged terrestrial life stage (subimago) precedes the sexually mature adult stage. The adult mouthparts are reduced and useless, thus they are short-lived as their "ephemeral" order name implies. Mayflies spend nearly all of their lives as nymphs in the waters of the creek, estuary, and lake. Aquatic nymphs of some 18 species have been found in the estuary, Old Woman Creek, and adjacent tributaries. The burrowing mayfly, *Hexagenia limbata*, has only two tails and is noteworthy because it emerges in enormous numbers from Lake Erie, piling up along the shore and in the streets of lakeside towns. Up until the middle 1950s this frequently happened along the shores of the lake, but environmental degradation in Lake Erie dramatically reduced the numbers of these insects for four decades. With improved the Lake Erie water quality in the 1990s, mayflies have experienced a resurgence.

Order Odonata. This order includes the damselflies and dragonflies. Within the Old Woman Creek study area, 25 species of damselflies and another 24 species of dragonflies have been identified. These relatively large, beautifully colored insects spend most of their time in flight. Their immature stages are aquatic (breathing by means of gills) and the adults are most often found near water. Both nymphs and adults are predaceous on various other insects and invertebrates, but they are harmless to humans in that they neither bite nor sting. The gills of damselfly nymphs are in the form of three leaflike structures at the end of the abdomen, while dragonfly gills are internal within the rectum. Dragonflies draw water in through the anus, extract dissolved oxygen, and expel it through the same organ. To escape predation, they can expel water rapidly yielding a type of jet propulsion. Adults of both groups have four elongated, many-veined, and membranous wings, but can be distinguished by the position of the wings while at rest—damselflies fold their wings close together vertically over their backs, while dragonflies hold their wings straight out horizontally from the body.

Orders Blattaria and Mantodea. These orders include the cockroaches and mantids. Cockroaches are relatively large, flattened, oval-shaped, and fast-running insects with long hair-like antennae and numerous leg spines. Their head is concealed under a triangular shield (pronotum). They have an unpleasant odor and feed at night, hiding in crevices during the day. The Oriental cockroach (*Blatta orientalis*) and the American cockroach (*Periplaneta americana*) commonly invade houses within the watershed, while the small, wood cockroach (*Parcoblatta*) is more often found in woodlots under dead logs and stones.

Mantids are large, elongated, and slow-moving insects that are striking in appearance because their front legs are bent in an upraised or "praying" position. They are predaceous on a variety of insects, usually laying in wait for their prey in this attitude. They are colored a protective green and brown that makes them difficult to see in foliage. Although strong fliers, they are rarely observed on the wing. The Chinese mantid (or praying mantis) (*Tenodera aridifolia sinensis*), now relatively common in the watershed, was introduced to the United States about 100 years ago near Philadelphia (Borror and DeLong 1971).

Order Isoptera. This order includes the termites. These social insects, sometimes called white ants, live in colonies that have a caste system with reproductive males and females, sterile workers, and sterile soldiers. Termites are destructive in that they feed entirely on wood, which is digested by protozoan living in their gut. The eastern subterranean termite (*Reticulitermes flavipes*) is found in the watershed. This termite eats the soft spring growth of wood, hollowing out the sapwood along the length of the grain and leaving only brown specks of excrement behind. As they consume living trees or wood buildings, they maintain contact with the ground by means of earthen tubes connecting the feeding galleries with the ground (Swan and Papp 1972).

Order Orthoptera. This order includes the grasshoppers, katydids, and crickets. These insects are noted for their powerful hind legs which are adapted for jumping by greatly enlarged third segments of the leg (femora). They usually have two pairs of long, narrow, many-veined wings. Crickets and katydids produce a characteristic sound, or song, by rubbing specialized parts of their forewings together, while band-winged grasshoppers snap hind wings in flight. Males generally do the singing; songs function mainly in getting the sexes together. Most members of this order are plant feeders, some very destructive to cultivated plants. Within the watershed, 6 grasshopper, 2 katydid, and 7 cricket species have been identified.

Order Dermaptera. This order includes the earwigs. These are medium-sized insects, typically brown in color, with short leathery forewings and long membranous hindwings that fold straight back under the front pair. Some species are wingless, such as the ring-legged earwig (*Euborellia annulipes*) which occasionally invades dwellings feeding on foodstuffs and house plants. A distinctive feature of earwigs is a pair of curved, pincer-like cerci at the hind end of insect that are used in defense, such as grasping an attacking ant. The wings of the European earwig

(*Forficula auricularia*) are not strong enough to take off from the ground or for sustained flight and they can only fly by taking off from a high place. The order is represented by at least 3 species in the watershed.

Order Plecoptera. This order includes the stoneflies. The common name of these insects comes from the fact that they spend most of their life as nymphs (2-3 years) crawling among stones in streams, and as adults (15-20 days) they often rest on rocks near the water. They are poor fliers and are seldom found far from water. Stonefly nymphs are similar in appearance to mayfly nymphs, but they only have two tail filaments. Because stonefly nymphs lack extensive gills, obtaining oxygen from by diffusion through the body cuticle in many species, they occur only in oxygen-rich water. Thus, the presence of stonefly nymphs in a stream is an indicator of good water quality conditions. Most of the 14 stonefly species identified for the study are were found in Old Woman Creek upstream of the estuary or in nearby Mill Hollow on the Vermilion River. The green-winged stonefly (*Isoperla duplicata*) feeds on the pollen of foliage along the banks of Old Woman Creek.

Order Thysanoptera. This order includes the thrips. They are mostly small, inconspicuous insects with two pairs of wings fringed with eyelash-like hairs. Although small, their bodies are well armored (sclerotized) and solid brown, black, or yellow in color. They can be found in most blossoms and feed by sucking juices from plants. A common thrips (family Thripidae), a three-tailed thrips (family Phlaeothripidae), and a banded thrips (family Aeolothripidae) have been observed in the watershed.

Order Hemiptera. This order includes the true bugs. These insects have widely differing sizes, shapes and habits. Their wings are usually thickened at the base and membranous at the tip. The main unifying characteristic of this order is the structure of the piercing-sucking beak (rostrum) and mouthparts which is common to all members. During piercing, the rostrum, richly supplied with organs of smell and touch, does not enter the tissue of the food organism, but guides a bundle of hollow, barbed stylets to the a favorable spot for the bite. Juices are most often sucked from the sieve tubes in the vascular bundles of plants. The order contains aquatic bugs such as water scorpions (*Nepa* and *Ranata*), giant water bugs (*Belostoma*), water boatmen (*Trichocorixa*), backswimmers (*Notonecta*), and water striders (*Gerris*), as well diverse terrestrial bugs including lace bugs (*Corythuca*), plant bugs (*Lygus*), assassin bugs (*Sinea*), seed bugs (*Lygaeus*), and stink bugs (family Pentatomidae), all of which have representatives in the study area. Unlike their land-based, plant eating counterparts, many water bugs attack any animal which they can manage, large or small, including small fish. Altogether, 78 species of bugs in 28 families have been identified in the vicinity of Old Woman Creek.

Order Homoptera. This order includes the cicadas, leafhoppers, and aphids. These insects are closely related to the true bugs, except homopteran wings are similar along their length and not

divided into a thickened, stronger base and a more fragile tip as they are in the order Hemiptera. All homopterans are terrestrial and vegetarians; most of them suck the juices from vascular plants. Many members of this order are serious pests of cultivated plants, causing damage by feeding and by serving as vectors of plant diseases. Common representatives in the study area include spittlebugs (*Philaenus*), cicadas (*Tibicen*), leafhoppers (*Graphocephala*), and aphids (*Aphis*). A total of 32 species of homopterans in 10 families have been found in the watershed.

Order Neuroptera. This order includes the nerve-wing insects, such as dobsonflies, alderflies, and lacewings. Members of this order have many veins in their delicate wings. The nymphs of dobsonflies (*Corydalus*) are aquatic; known as hellgrammites, they are extremely predacious and cannibalistic during this 2-to-3-year phase in streams such as Old Woman Creek. The larvae of the spongilla fly (*Climacia*) are parasitic on and live in the cavities of freshwater sponges. These larvae move onto land in summer where they weave a cocoon, covered with hexagonal meshed net, on vertical objects near the shore. Here transformation to a pupa takes place before they emerge as flying adults. The green lacewing known as golden eye (*Chrysopa oculata*) appears in autumn in the watershed as a greenish shimmering insect with sparkling gold eyes and transparent wings that look as fragile as glass. Within the watershed, 11 species of neuropterans in 6 families have been identified.

Order Coleoptera. This order includes the beetles and weevils. The extraordinary variety in their forms has made the beetles the insect order with by far the greatest number of species. In Old Woman Creek watershed 178 species of beetles in 39 families have been reported. This is a small number, however, compared with the nearly 350,000 species of beetles that have been described world wide. The name of the order means sheathed wings, referring to the hardened forewings that cover the membranous hindwings. Most beetles are herbivorous, but some families that live in Old Woman Creek and the estuary are hunters, such as the predaceous diving beetles (*Dytiscus* and *Laccophilus*), while other water beetles are scavengers (*Berosus* and *Hydrophilus*). Most of the beetle families are terrestrial and have the ability to fly, but most often only to reach low vegetation. Land beetles eat leaves, bark, dung, and some textiles. The larvae, called grubs, can be either predacious or vegetarians. Although some species attack plants and food stores, others eat plant pests and pollinate flowers.

Orders Mecoptera and Siphonaptera. These orders include the scorpionflies and fleas. The slender bodies of scorpionflies are amber-colored with dark spots or bands on their four membranous wings. The common name for these insects is derived from the male genitalia which looks like the upward curved sting organ of a scorpion. The common scorpionfly, *Panorpa helena*, occurs in the watershed and inhabits woods and ravines with dense vegetation. They feed chiefly on dead or injured insects.

Fleas are small wingless insects that feed on the blood of birds and mammals. The genus *Ctenocephalides* includes the cat flea (*C. felis*) and the dog flea (*C. canis*) that are common pests of cats and dogs in the watershed and also occur in buildings where these domestic animals are kept. The dog flea serves as the intermediate host of the dog tapeworm (*Dipylidium caninum*).

Order Diptera. This order includes the true flies. Common in all habitats, flies are easily distinguished from other insects because they only have one pair of complete wings. Most flies have large compound eyes and mouthparts that are modified for piercing, lapping, or sucking. The larvae, called maggots, of many species are soft, legless, headless, and often white. The aquatic larvae of mosquitoes (*Aedes* and *Culex*), midges (*Chironomus* and *Procladius*), and crane flies (*Tipula*), found in the estuary, are slender and have distinct heads. Many of the chironomid larvae are blood red in color. These "bloodworms" have hemoglobin in their circulatory system that allows them to store oxygen and survive at near anoxic conditions. A total of 126 species of flies, in 38 families, have been identified within the study area, 54 species of which are in the midge family (Chironomidae).

Order Trichoptera. This order includes the caddisflies. Trichopterans are an advanced order of insects, closely related to the order Lepidoptera (butterflies and moths), but adapted for aquatic life in the immature stages. Adult caddisflies are similar to moths except their wings usually possess hairs rather than the scales typical of moth wings. Caddisflies are usually brownish, inconspicuous, small, and moth-like insects that are most active at night. Like mayflies, the adults have reduced mouthparts and seldom, if ever, eat. The head and thorax of the aquatic larvae are sclerotized and pigmented, while the abdomen is soft and color light brown to a brilliant green. Their 3 pairs of legs are prominent and directed forward. Many larvae construct portable cases of various natural objects, such as grains of sand and gravel, leaves, or twigs, which are fastened together with a gluelike substance or with silk. Larval cases vary considerably, both in shape and in the materials employed, but each species makes a characteristic type of case, including tube-makers (*Polycentropus*), log-cabin makers (*Limnephilus*), and sailcase makers (*Helicopsyche*). Larvae of some species construct silken nets (*Hydropsyche*) and feed on material caught in the nets. Most larvae feed on plant material, but a few non-case makers (*Rhyacophila* and *Phryganea*) are predaceous. Within the estuary and adjacent streams tributary to Lake Erie, a total of 65 species of caddisflies, in 9 families, have been identified.

Order Lepidoptera. This order includes the butterflies and moths. As noted earlier, these insects have 4 large membranous wings that are covered with scales. When handled some of these scales easily rub off. Moths and butterflies are separated on the basis of certain head structures, while individual families are further divided on the basis of wing venation. Moths have threadlike or plumose antennae and a bristle (frenulum) at the front base of the hind wing, whereas butterflies have knobbed antennae and lack a frenulum. Lepidopterans feed principally on nectar and other

liquid foods, and are commonly associated with flowers. Their flight is somewhat erratic, but relatively fast. A few butterflies, such as the monarch (*Danaus plexippus*), migrate great distances. The larvae of this particular species feeds on milkweed. Lepidopteran larvae, commonly called caterpillars, are cylindrical in shape with well developed heads, 3 pairs of thorax legs, and 5 pairs of abdominal prolegs. Many larvae pupate in silken cocoons. A total of 83 moths and butterflies, in 25 families, have been found in the watershed.

Order Hymenoptera. This order includes the ants, bees, and wasps. From a human standpoint, this order is regarded as the most beneficial of all the insects, for it contains food producers (honeybees), plant pollinators, and parasites or predators of various insect pests. The insects in this order also exhibit a great diversity of habits and complexity of behavior culminating in elaborate social organizations. The winged members have four membranous wings, with the hindwing smaller than the forewing. In flight, a tiny set of hooks are employed to attach the two sets of wings together. Ants, bees, and wasps have a constricted "waist" or pedicel between the thorax and the abdomen, whereas sawflies and horntails (*Tremex*) do not. Larvae have well-developed heads and mouthparts, but are legless except for sawflies. Most species are solitary, but ants and some bees and wasps have a complex social organization with sterile workers. Investigators have identified 52 species of hymenopterans, in 21 families, within the Old Woman Creek watershed.

PHYLUM TARDIGRADA

Tardigrades, or water bears, are near microscopic animals that live in the film of water surrounding mosses, algae, and rooted aquatic plants. The body has a somewhat bear-like appearance and consists of a distinct head and trunk with four pairs of leg-like projections, each bearing four claws. They crawl over vegetation, using their claws to grasp, while they feed on algal filaments and plant leaflets by sucking out cellular fluids. The tardigrades collected in the estuary belong to the family Macrobiotidae.

PHYLUM BRYOZOA

Bryozoans are aquatic animals that occur in colonies. The individual animals (zooids) grow in a non-living case. They have a unique tentacular food collecting organ called the lophophore. In the estuary, *Pectinatella magnifica* creates massive gelatinous colonies, *Plumatella casmiana* forms more honeycomb masses, *Lophopodella carteri* is found in small sac-like masses, and *Plumatella repens* occurs in branching and threadlike colonies. Called "moss animals" bryozoan colonies often look like mossy masses on lily pads or encrustation on floating twigs and branches. When the colonies disintegrate in the fall, most species produce a large number of oval winter buds (statoblasts). Similar to the gemmules of a sponge, individuals produced from these buds form new colonies in the spring.

CATALOGUE

This catalogue comprises Contribution No. 3 to the Reserve Site Profile and contains a listing of all the known invertebrate animals in the environs of Old Woman Creek estuary and in its watershed. The diversity of habitats present within the Reserve, Old Woman Creek watershed, and the adjacent nearshore waters of Lake Erie contribute to a variety of plant and animal communities—each comprised of a distinctive invertebrate fauna. A total of 318 protozoan, 4 sponge and hydroid, 7 flatworm and gastrotrich, 34 rotifer, 3 nematode, 33 mollusk, 46 annelid worm and leech, 77 spider and water mite, 83 crustacean, 741 insect, and 6 tardigrade and bryozoan species have been identified in the Reserve, watershed, and adjacent tributaries and waters of Lake Erie; nearly 60% of these taxa are found within the boundaries of the Reserve.

This catalogue consists of four appendices. Appendix A contains of a complete phylogenetic (evolutionary relationship) listing of all the invertebrate taxa identified in Old Woman Creek estuary and watershed, and adjacent tributaries and waters of Lake Erie. Elements of the list include: (1) taxonomic classification, (2) scientific name, (3) describer (author of scientific name), and (4) common name, as well as codes for (5) data sources, (6) locations within the study area, and (7) habitat preferences. The data for this appendix were compiled from publications and reports prepared by some 35 scientists and naturalists who have conducted research in the Reserve, watershed, and environs. The individual source documents are cited at the end of Appendix A.

Appendix B is a checklist of the invertebrates in the study area, also arranged phylogenetically by phylum, class, and order, but abbreviated to include only the scientific name, common name, family, and general location (e.g. estuary, Old Woman Creek above the estuary, Lake Erie, and adjacent tributaries). Appendix C consists of an alphabetized list, by scientific name, of all the invertebrates known for the study area, followed by the common name, phylum, and general locations for each species. Appendix D is a similar list, but alphabetized by common name, followed by the scientific name, phylum, and general locations for each species. In general, arrangement of classes, orders, families, and subfamilies follows the classification synopsis of Parker (1982). Data sources, references, and keys for codes designations are given at the end of appropriate appendices.

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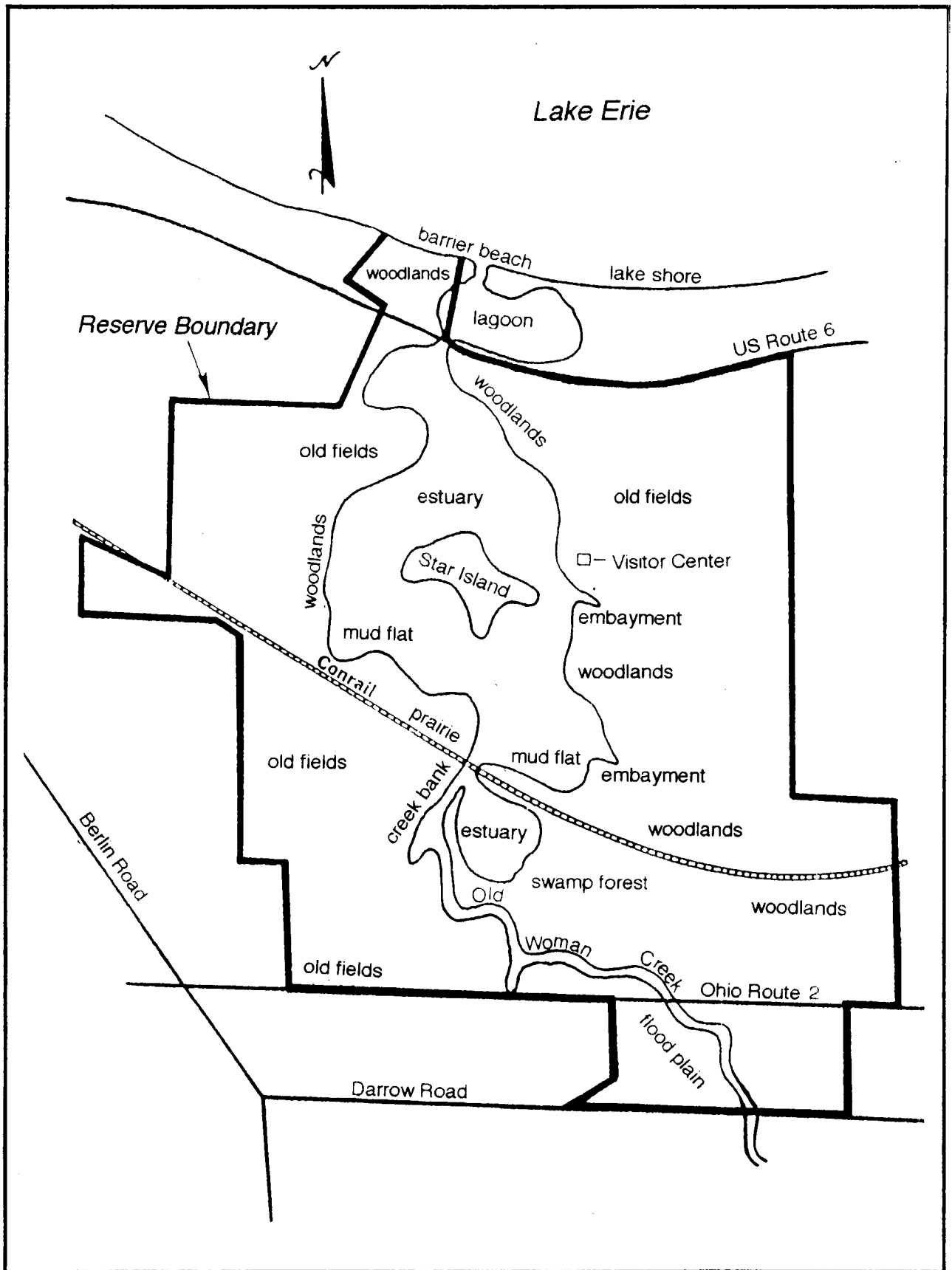


Figure 1. Old Woman Creek National Estuarine Research Reserve showing habitats.

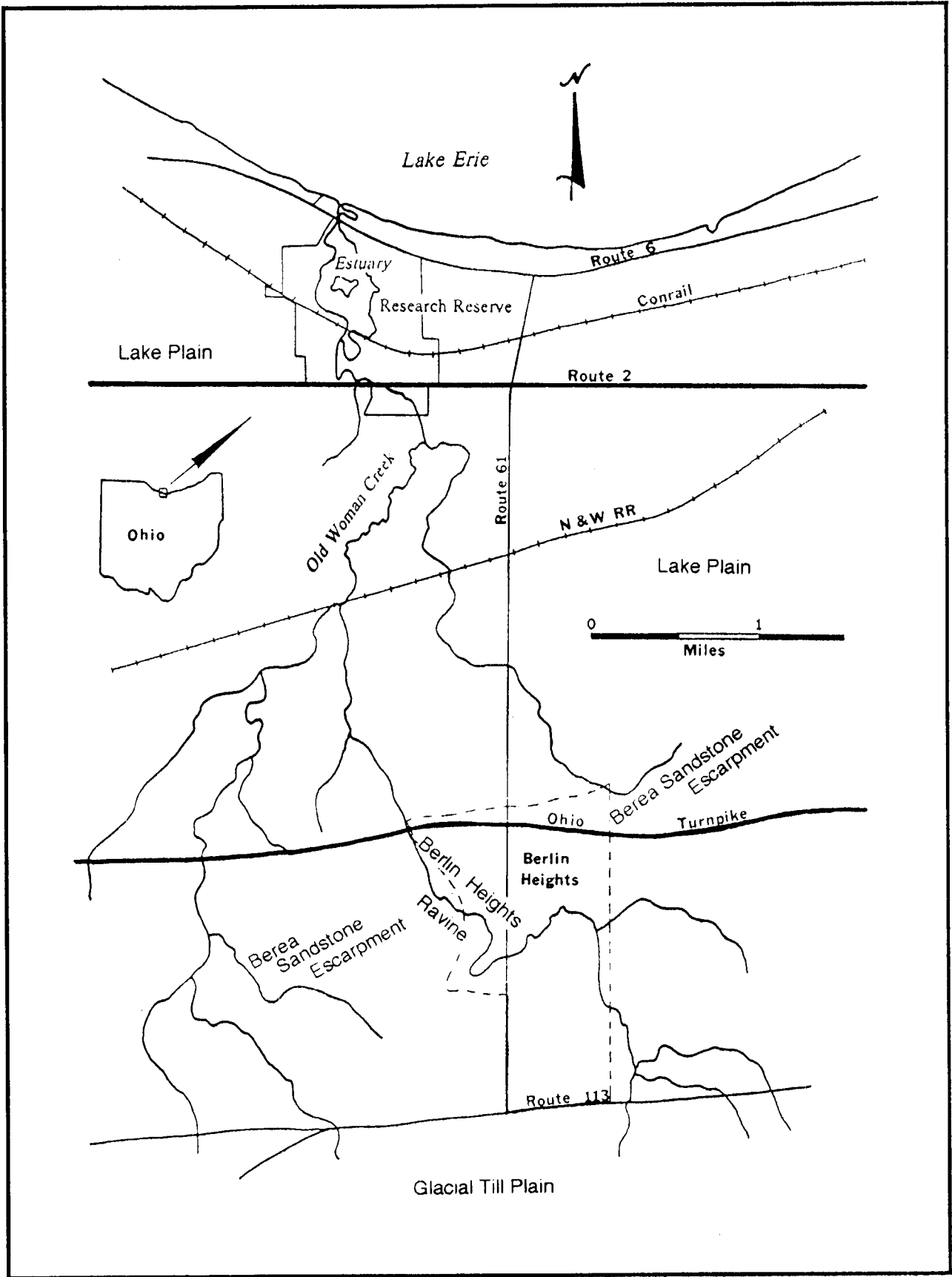


Figure 2. Old Woman Creek watershed showing tributary pattern.

Appendix A

Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie

**INVERTEBRATE FAUNA OF OLD WOMAN CREEK ESTUARY, WATERSHED,
AND ADJACENT WATERS OF LAKE ERIE**

**SUBKINGDOM PROTOZOA
PHYLUM SARCOMASTIGOPHORA
SUBPHYLUM MASTIGOPHORA**

CLASS DINOFLAGELLATA

ORDER GYMNODINIDA

Family Gymnodiniidae

	SOURCE	LOCATION	HABITAT
• <i>Gymnodinium fungiforme</i> Anisimova * dinoflagellate	5	ES	LEB
• <i>Gymnodinium</i> sp. Stein * dinoflagellate	5	ES	LEB

CLASS PHYTOMASTIGOPHORA

ORDER CRYPTOMONADIDA

Family Hemiselmidae [=Planonephridae]

• <i>Planonephros parvula</i> (Skuja) [= <i>Sennia p.</i>] * cryptomonad p.	5	ES	LEB
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Family Cryptomonadidae

• <i>Chilomonas</i> sp. Ehrenberg * cryptomonad protozoan	5	ES	LEB
• <i>Chroomonas norstedtii</i> Hansgirg * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas compressa</i> Pascher * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas erosa</i> Ehrenberg * cryptomonad protozoan	5,6	ES	LEB, LEP
• <i>Cryptomonas obovata</i> Skuja * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas ovata</i> Ehrenberg * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas reflexa</i> Skuja * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas tenuis</i> Pascher * cryptomonad protozoan	5	ES	LEB
• <i>Cryptomonas</i> sp. Ehrenberg * cryptomonad protozoan	5,6	ES	LEB, LEP
• <i>Cyathomonas truncata</i> Ehrenberg * cryptomonad protozoan	5	ES	LEB
• <i>Cyathomonas</i> sp. Fromental * cryptomonad protozoan	5	ES	LEB
• <i>Rhodomonas lacustris</i> Pascher & Ruttner * cryptomonad p.	5	ES	LEB
• <i>Rhodomonas lens</i> Pascher & Ruttner * cryptomonad protozoan	5	ES	LEB
• <i>Rhodomonas minuta</i> Skuja * cryptomonad protozoan	5,6	ES	LEB, LEP
• <i>Rhodomonas</i> sp. Karsten * cryptomonad protozoan	5	ES	LEB

ORDER CHRYSOMONADIDA

Family Chromulinidae

• <i>Chromulina nana</i> * chrysomonad protozoan [=? <i>C. nannos</i> Naumann or <i>Chroomonas nana</i> Butcher]	11	ES	LEP
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• <i>Oikomonas termo</i> (Ehrenberg) * chrysomonad protozoan	5	ES	LEB
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Family Mallomonadidae

• <i>Mallomonas elegans</i> Lemmermann * chrysomonad protozoan	5	ES	LEB
• <i>Mallomonas intermedia</i> Kisseler * chrysomonad protozoan	5	ES	LEB

Family Chrysococcidae

• <i>Microglena</i> sp. Ehrenberg * chrysomonad protozoan	5	ES	LEB
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Family Ochromonadidae

• <i>Monas guttula</i> Ehrenberg * chrysomonad protozoan	5	ES	LEB
• <i>Monas socialis</i> (Kent) * chrysomonad protozoan	5	ES	LEB
• <i>Monas</i> sp. Müller * chrysomonad protozoan	5	ES	LEB
• <i>Ochromonas ludibunda</i> Pascher * chrysomonad protozoan	5	ES	LEB
• <i>Ochromonas</i> sp. Wyssotzki * chrysomonad protozoan	5,11	ES	LEB, LEP
• <i>Physomonas vestita</i> Kent * chrysomonad protozoan	5	ES	LEB
• <i>Spumella</i> sp. Cienkowski * chrysomonad protozoan	11	ES	LEP

	SOURCE	LOCATION	HABITAT
Family Dinobryonidae			
• <i>Dinobryon bavaricum</i> Imhof * chrysomonad protozoan	5	ES	LEB
• <i>Dinobryon sertularia</i> Ehrenberg * chrysomonad protozoan	5	ES	LEB
• <i>Stokesiella</i> sp. Lemmermann * chrysomonad protozoan	5	ES	LEB
Family Anthophysidae			
• <i>Anthophysa steinii</i> Senn * chrysomonad protozoan	5	ES	LEB
• <i>Anthophysa vegetans</i> (Müller) * chrysomonad protozoan	5	ES	LEB
ORDER VOLVOCIDA			
Family Chlamydomonadidae			
• <i>Chlamydomonas excavata</i> Conrad * volvocean protozoan	5	ES	LEB
• <i>Chlamydomonas globosa</i> Snow * volvocean protozoan	5	ES	LEB
• <i>Chlamydomonas gracilis</i> Snow * volvocean protozoan	5	ES	LEB
• <i>Chlamydomonas monadina</i> Stein * volvocean protozoan	5	ES	LEB
• <i>Chlamydomonas reinhardtii</i> Dangeard * volvocean protozoan	5	ES	LEB
• <i>Chlamydomonas subasymetrica</i> Pascher * volvocean p.	5	ES	LEB
• <i>Chlamydomonas</i> sp. Ehrenberg * volvocean protozoan	5	ES	LEB
• <i>Chlorogonium elongatum</i> (Dangeard) Dangeard * volvocean p.	5	ES	LEB
• <i>Chlorogonium euchlorum</i> Ehrenberg * volvocean protozoan	5	ES	LEB
• <i>Chlorogonium hyalinum</i> * volvocean protozoan	5	ES	LEB
Family Phacotidae			
• <i>Phacotus lenticularis</i> Ehrenberg * volvocean protozoan	5	ES	LEB
• <i>Pteromonas</i> sp. Seligo * volvocean protozoan	5	ES	LEB
Family Carteriidae			
• <i>Carteria globosa</i> Korschikoff * volvocean protozoan	5	ES	LEB
Family Volvocidae			
• <i>Pandorina morum</i> (Müller) Ehrenberg * volvocean protozoan	5	ES	LEB
• <i>Pandorina</i> sp. Bory de St. Vincent * volvocean protozoan	5	ES	LEB

CLASS EUGLENEA

ORDER EUGLENIDA (green euglenas)

Family Euglenidae

• <i>Astasia klebsii</i> Lemmermann * euglenoid protozoan	5	ES	LEB
• <i>Astasia</i> sp. Dujardin * euglenoid protozoan	6	ES	LEB
• <i>Euglena acus</i> Ehrenberg * euglenoid protozoan	5,6	ES	LEB
• <i>Euglena deses</i> Ehrenberg * euglenoid protozoan	5	ES	LEB
• <i>Euglena ehrenbergii</i> Klebs * euglenoid protozoan	5	ES	LEB
• <i>Euglena gracilis</i> Klebs * euglenoid protozoan	5,6	ES	LEB
• <i>Euglena oxyuris</i> Schmarda * euglenoid protozoan	6	ES	LEB
• <i>Euglena oxyuris</i> var. <i>minor</i> Deflandre * euglenoid protozoan	6	ES	LEB
• <i>Euglena pisciformis</i> Klebs * euglenoid protozoan	5	ES	LEB
• <i>Euglena tripteris</i> (Dujardin) Klebs * euglenoid protozoan	5	ES	LEB
• <i>Euglena vermiformis</i> Carter * euglenoid protozoan	5	ES	LEB
• <i>Euglena</i> sp. Ehrenberg * euglenoid protozoan	5,6,9	ES	LEB, VES
• <i>Lepocinclis</i> sp. Perty * euglenoid protozoan	5,6	ES	LEB
• <i>Menoidium gibbum</i> Skuja * euglenoid protozoan	5	ES	LEB
• <i>Phacus acuminatus</i> Stokes * euglenoid protozoan	6	ES	LEB
• <i>Phacus arnoldi</i> Swirenko * euglenoid protozoan	6	ES	LEB
• <i>Phacus helikoides</i> Pochman * euglenoid protozoan	6	ES	LEB
• <i>Phacus pleuronectes</i> (Müller) Dujardin * euglenoid protozoan	5	ES	LEB

	SOURCE	LOCATION	HABITAT
Family Euglenidae (continued)			
• <i>Phacus pseudoonordstedii</i> Pochmann * euglenoid protozoan	6	ES	LEB
• <i>Phacus tortus</i> (Lemmermann) Skvortzow * euglenoid protozoan	5	ES	LEB
• <i>Phacus</i> sp. Nitzsch * euglenoid protozoan	5,6	ES	LEB
• <i>Rhabdomonas</i> sp. Fresenius * euglenoid protozoan	5	ES	LEB
• <i>Scytomonas</i> sp. Stein * euglenoid protozoan	5	ES	LEB
Family Trachelomonadidae			
• <i>Ascoglena vaginicola?</i> Stein * euglenoid protozoan	6	ES	LEB
• <i>Strombomonas gibberosa</i> (Playfair) Deflandre * euglenoid protozoan	6	ES	LEB
• <i>Trachelomonas armata</i> Lemmermann * euglenoid protozoan	5	ES	LEB
• <i>Trachelomonas hispida</i> (Perty) * euglenoid protozoan	5	ES	LEB
• <i>Trachelomonas horrida</i> Palmer * euglenoid protozoan	5	ES	LEB
• <i>Trachelomonas spiralis</i> Skvortzow * euglenoid protozoan	5	ES	LEB
• <i>Trachelomonas superba</i> (Swir) Deflandre * euglenoid protozoan	6	ES	LEB
• <i>Trachelomonas varians</i> (Lemmermann) Deflandre * euglenoid p.	6	ES	LEB
• <i>Trachelomonas volvocina</i> Ehrenberg * euglenoid protozoan	5,6	ES	LEB
• <i>Trachelomonas volvocina</i> var. <i>minuta</i> Fritsch * euglenoid p.	5	ES	LEB
• <i>Trachelomonas</i> sp. Ehrenberg * euglenoid protozoan	5,6	ES	LEB
• <i>Urceolus ovatus</i> Roskin * euglenoid protozoan	5	ES	LEB
• <i>Urceolus sabulosus</i> Stokes * euglenoid protozoan	5	ES	LEB
ORDER PERANEMIDA (colorless euglenas)			
Family Petalomonadidae			
• <i>Petalomonas mediocanella</i> Stein * colorless euglena	5	ES	LEB
• <i>Petalomonas minuta</i> Hollande * colorless euglena	5	ES	LEB
• <i>Petalomonas quadrilineata</i> Penard * colorless euglena	5	ES	LEB
• <i>Petalomonas</i> sp. Stein * colorless euglena	5	ES	LEB
Family Peranemidae			
• <i>Heteronema klebsii</i> Senn * colorless euglena	5	ES	LEB
• <i>Heteronema</i> sp. Dujardin * colorless euglena	5	ES	LEB
• <i>Peranema asperum</i> Playfair * colorless euglena	5	ES	LEB
• <i>Peranema inflexum</i> Skuja * colorless euglena	5	ES	LEB
• <i>Peranema trichophorum</i> (Ehrenberg) * colorless euglena	5	ES	LEB
• <i>Peranema</i> sp. Dujardin * colorless euglena	5,9	ES	LEB, VES
Family Anisonemidae			
• <i>Anisonema acinus</i> Dujardin * colorless euglena	5	ES	LEB
• <i>Anisonema emarginatum</i> Stokes * colorless euglena	5	ES	LEB
• <i>Anisonema ovale</i> Klebs * colorless euglena	5	ES	LEB
• <i>Anisonema strenuum</i> Skuja * colorless euglena	5	ES	LEB
• <i>Anisonema truncatum</i> Stein * colorless euglena	5	ES	LEB
• <i>Anisonema</i> sp. Dujardin * colorless euglena	5	ES	LEB
• <i>Entosiphon obliquum</i> Klebs * colorless euglena	5	ES	LEB
• <i>Entosiphon ovatum</i> Stokes * colorless euglena	5	ES	LEB
• <i>Entosiphon polyalux</i> Skuja * colorless euglena	5	ES	LEB
• <i>Entosiphon sulcatum</i> (Dujardin) * colorless euglena	5	ES	LEB
• <i>Notosolenus apocampatus</i> Stokes * colorless euglena	5	ES	LEB
• <i>Notosolenus obicularis</i> Stokes * colorless euglena	5	ES	LEB
• <i>Notosolenus sinuatus</i> Stokes * colorless euglena	5	ES	LEB
• <i>Notosolenus</i> sp. Stokes * colorless euglena	5	ES	LEB

CLASS ZOOMASTIGOPHORA

ORDER CHOANOFLLAGELLIDA

Family Codonosigidae

	SOURCE	LOCATION	HABITAT
• <i>Codonosiga</i> sp.? Stein [= <i>Codosiga</i> sp.] * choanoflagellate	5	ES	LEB
• <i>Codonosigopsis</i> sp. Senn * choanoflagellate	5	ES	LEB
• <i>Codosiga</i> sp. James-Clark, 1867 * choanoflagellate	5	ES	LEB
• <i>Desmarellasp.</i> Kent * choanoflagellate	5	ES	LEB
• <i>Diplosiga</i> sp. Frenzel * choanoflagellate	5	ES	LEB
• <i>Monosiga ovata</i> Kent * choanoflagellate	5	ES	LEB
• <i>Monosiga robusta</i> Stokes * choanoflagellate	5	ES	LEB
• <i>Monosiga</i> sp. Kent * choanoflagellate	5	ES	LEB
Family Salpingoecidae			
• <i>Poteriodendron petiolatum</i> Stein * choanoflagellate	17	ES	LEP
• <i>Salpingoeca elegans</i> (Bachmann) Lemmermann * choanoflag.	5	ES	LEB
• <i>Salpingoeca</i> sp. James-Clark * choanoflagellate	5	ES	LEB

ORDER KINETOPLASTIDA

Family Bodonidae

• <i>Bodo alexeiiffii</i> Lemmermann, 1914 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo amoebinus</i> (Stokes) Lemmermann, 1910 * kin. protozoan	5	ES	LEB
• <i>Bodo angustus</i> Hänel [= <i>Bodo saliens</i> Larsen & Patterson] * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo caudatus</i> (Dujardin) Stein, 1878 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo celer</i> Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo edax</i> (Kent) Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo fusiformis</i> (Stokes) Lemmermann, 1910 * kin. protozoan	5	ES	LEB
• <i>Bodo globosa</i> Stein, 1878 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo minimus</i> Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo obovatus</i> Lemmermann, 1914 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo ovatus</i> (Dujardin) Stein, 1878 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo repens</i> Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo rostratus</i> (Kent) Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo saltans</i> Ehrenberg, 1839* kinetoplastid protozoan	11	ES	LEP
• <i>Bodo triangularis</i> (Stokes) Lemmermann, 1910 * kin. protozoan	5	ES	LEB
• <i>Bodo uncinatus</i> (Kent) Klebs, 1893 * kinetoplastid protozoan	5	ES	LEB
• <i>Bodo variabilis</i> (Stokes) Lemmermann, 1910 * kin. protozoan	5	ES	LEB
• <i>Bodo</i> sp. Ehrenberg, 1838 * kinetoplastid protozoan	5	ES	LEB
• <i>Cercobodo</i> sp. Krassilotschick * kinetoplastid protozoan	5	ES	LEB
• <i>Cercomonas crassicauda</i> Dujardin * kinetoplastid protozoan	5	ES	LEB
• <i>Cercomonas longicauda</i> Dujardin * kinetoplastid protozoan	5	ES	LEB
• <i>Colponema loxodes</i> Stein * kinetoplastid protozoan	5	ES	LEB
• <i>Pleuromonas jaculans</i> Perty * kinetoplastid protozoan	5	ES	LEB
• <i>Rhynchomonas nasuta</i> (Stokes) * kinetoplastid protozoan	5	ES	LEB

SUBPHYLUM SARCODINA
CLASS LOBOSA

ORDER AMOEBIDA

Family Amoebidae

• <i>Amoeba</i> sp. Ehrenberg * amoeboid protozoan	9	ES	VES
• <i>Trichamoeba</i> sp. Fromentel * amoeboid protozoan	5	ES	LEB

	SOURCE	LOCATION	HABITAT
Family Hartmannellidae			
• <i>Cashia limacoides</i> (Page) Page * amoeboid protozoan	5	ES	LEB
• <i>Hartmannella vermiformis</i> Page * amoeboid protozoan	5	ES	LEB
• <i>Hartmannella</i> sp. Alexeieff * amoeboid protozoan	5	ES	LEB
Family Thecamoebidae			
• <i>Striamoeba quadrilineata</i> (Carter) Jahn & Bovee * amoeboid p.	5	ES	LEB
• <i>Striamoeba</i> sp. Jahn, Bovee & Griffith * amoeboid protozoan	5	ES	LEB
• <i>Thecamoeba striata</i> (Penard) Schaeffer * amoeboid protozoan	5	ES	LEB
• <i>Thecamoeba</i> sp. Fromentel * amoeboid protozoan	5	ES	LEB
• <i>Vannella miroides</i> Bovee * amoeboid protozoan	5	ES	LEB
• <i>Vannella</i> sp. Bovee * amoeboid protozoan	5	ES	LEB
Family Paramoebidae			
• <i>Mayorella bigemma</i> Penard * amoeboid protozoan	5	ES	LEB
• <i>Mayorella penardi</i> Penard * amoeboid protozoan	5	ES	LEB
• <i>Mayorella</i> sp. (Leidy) Harnisch * amoeboid protozoan	5	ES	LEB
• <i>Oscillosignum proboscidium</i> Bovee * amoeboid protozoan	5	ES	LEB
• <i>Vexillifera</i> sp. Page * amoeboid protozoan	5	ES	LEB
ORDER SCHIZOPYRENIDA			
Family Vahlkampfiidae			
• <i>Naegleria gruberi</i> (Schardinger) Wilson * amoeboid protozoan	5	ES	LEB
• <i>Naegleria</i> sp. (Alexeieff) Calkins * amoeboid protozoan	5	ES	LEB
• <i>Vahlkampfia</i> sp. Chatton et Lalung-Bonnaire * amoeboid p.	5	ES	LEB
ORDER PELOBIOTIDA			
Family Pelomyxidae			
• <i>Pelomyxa</i> sp. Greeff * amoeboid protozoan	5	ES	LEB
ORDER ARCELLINIDA			
Family Cochliopodiidae			
• <i>Cochliopodium bilimbosum</i> (Auerbach) * amoeboid protozoan	5	ES	LEB
• <i>Cochliopodium minus</i> Page * amoeboid protozoan	5	ES	LEB
• <i>Cochliopodium</i> sp. Hertwig et Lesser * amoeboid protozoan	5	ES	LEB
Family Arcellidae			
• <i>Arcella discoides</i> Ehrenberg * amoeboid protozoan	5,9	ES	LEB, VES
• <i>Arcella vulgaris</i> Ehrenberg * amoeboid protozoan	5,11	ES	LEB, LEP
• <i>Hyalosphenia</i> sp. Stein * amoeboid protozoan	5	ES	LEB
Family Centropyxidae			
• <i>Centropyxis</i> sp. Stein * amoeboid protozoan	6	ES	LEP
Family Diffugiidae			
• <i>Diffugia acuminata</i> Ehrenberg * amoeboid protozoan	5	ES	LEB
• <i>Diffugia globosa</i> Leidy * amoeboid protozoan	5	ES	LEB
• <i>Diffugia lobostoma</i> Leidy * amoeboid protozoan	5	ES	LEB
• <i>Diffugia pyriformis</i> Perty * amoeboid protozoan	5	ES	LEB
• <i>Diffugia</i> sp. Leclerc * amoeboid protozoan	5,9	ES	LEB, VES
• <i>Pseudodiffugia</i> sp. Schlumberger * amoeboid protozoan	5	ES	LEB
CLASS FILOSA			
ORDER ACONCHULINIDA			
Family Vampyrellidae			
• <i>Nuclearia</i> sp. Cienkowski * amoeboid protozoan	6	ES	LEP
• <i>Vampyrella lateritia</i> (Fresenius) * amoeboid protozoan	5	ES	LEB

ORDER TESTACEAFILOSIDA [=GROMIIDA]

Family Cyphoderiidae

	SOURCE	LOCATION	HABITAT
• <i>Cyphoderia ampulla</i> (Ehrenberg) * amoeboid protozoan	5	ES	LEB
• <i>Cyphoderia</i> sp. Schlumberger * amoeboid protozoan	5	ES	LEB

CLASS GRANULORETICULOSA

ORDER ATHALAMIDA

Family Biomyxidae

• <i>Biomyxa vagans</i> Leidy * amoeboid protozoan	5	ES	LEB
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ORDER FORAMINIFERIDA

Family Lagynidae

• <i>Diplophrys archeri</i> Barker * amoeboid protozoan	5	ES	LEB
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CLASS HELIOZOA

ORDER ACTINOPHRYIDA

Family Ciliophryidae

• <i>Ciliophrys</i> sp. Cienkowski * heliozoan	5	ES	LEB
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Family Actinophryidae

• <i>Actinophrys sol</i> Ehrenberg * heliozoan	5	ES	LEB
• <i>Actinophrys vesiculata</i> Penard * heliozoan	5	ES	LEB

Family Actinosphaeridae

• <i>Actinosphaerium</i> sp. Stein * heliozoan	5	ES	LEB
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ORDER CENTROHELIDA

Family Heterophryidae

• <i>Heterophrys</i> sp. Archer * heliozoan	5	ES	LEB
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Family Acanthocystidae

• <i>Acanthocystis aculeata</i> Hertwig et Lesser * heliozoan	5	ES	LEB
• <i>Acanthocystis chaetophora</i> (Schrank) Leidy * heliozoan	5	ES	LEB
• <i>Acanthocystis mira</i> Boedijn * heliozoan	5	ES	LEB
• <i>Acanthocystis myriospina</i> Penard * heliozoan	5	ES	LEB
• <i>Acanthocystis turfacea</i> Carter * heliozoan	5	ES	LEB
• <i>Pompholyxophrys</i> sp. Archer * heliozoan	5	ES	LEB
• <i>Raphidiocystis</i> sp. Penard * heliozoan	5	ES	LEB

Family Raphidiophryidae

• <i>Raphidiophrys pallida</i> Schulze * heliozoan	5	ES	LEB
• <i>Raphidiophrys</i> sp. Archer * heliozoan	5	ES	LEB

PHYLUM CILIOPHORA
CLASS KINETOFRAGMINOPHORA

ORDER PROSTOMATIDA

Family Holophryidae

• <i>Balanion</i> sp. Wulff * ciliated protozoan	11	ES	LEP
• <i>Holophrya nigricans</i> Lauterborn * ciliated protozoan	11	ES	LEP
• <i>Holophrya</i> sp. Ehrenberg * ciliated protozoan	5	ES	LEB

Family Prorodontidae

• <i>Prorodon discolor</i> Ehrenberg * ciliated protozoan	5	ES	LEB
• <i>Prorodon</i> sp. Ehrenberg * ciliated protozoan	11	ES	LEP
• <i>Placus ovum</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Urotricha armata</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Urotricha farcta</i> Claparède et Lachmann * ciliated protozoan	5	ES	LEB
• <i>Urotricha furcata</i> Schewiakoff * ciliated protozoan	11	ES	LEP

	SOURCE	LOCATION	HABITAT
Family Colepidae			
• <i>Coleps bicuspis</i> Noland * ciliated protozoan	5	ES	LEB
• <i>Coleps hirtus</i> (Nitzsch) * ciliated protozoan	5	ES	LEB
• <i>Coleps octospinus</i> Noland * ciliated protozoan	5	ES	LEB
• <i>Coleps</i> sp. Nitzsch * ciliated protozoan	8,9,17	ES	LEB, VES
ORDER HAPTORIDA			
Family Didiniidae			
• <i>Askenasia volvox</i> (Claparède et Lachmann) * ciliated protozoan	11	ES	LEP
• <i>Mesodinium pulex</i> (Claparède et Lachmann) * ciliated protozoan	5	ES	LEB
• <i>Didinium nasutum</i> (Müller) * ciliated protozoan	9	ES	VES
Family Enchelyidae			
• <i>Chaenea</i> sp. Quennerstedt * ciliated protozoan	5	ES	LEB
• <i>Lacrymaria olor</i> (Müller) * ciliated protozoan	5	ES	LEB
• <i>Lacrymaria</i> sp. Ehrenberg * ciliated protozoan	5	ES	LEB
• <i>Trachelophyllum pusillum</i> Perty-Claparède & Lachmann* c. p.	5	ES	LEB
• <i>Trachelophyllum sigmoides</i> Kahl * ciliated protozoan	5	ES	LEB
Family Spathidiidae			
• <i>Enchelydium</i> sp. Kahl * ciliated protozoan	5	ES	LEB
Family Tracheliidae			
• <i>Trachelius ovum</i> Ehrenberg * ciliated protozoan	9	ES	VES
ORDER PLEUROSATOMATIDA			
Family Amphileptidae			
• <i>Acineria incurvata</i> Dujardin * ciliated protozoan	5	ES	LEB
• <i>Hemiophrys pleurosigma</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Hemiophrys</i> sp. Wrzeniewski * ciliated protozoan	5	ES	LEB
• <i>Litonotus anguilla</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Litonotus cygus</i> Müller * ciliated protozoan	5	ES	LEB
• <i>Litonotus fasciola</i> Ehrenberg-Wrzeseniowski * ciliated protozoan	5	ES	LEB
• <i>Litonotus lamella</i> (Ehrenburg) Schewiakoff * ciliated protozoan	5	ES	LEB
• <i>Litonotus</i> sp. Wrzeniewski * ciliated protozoan	5,9	ES	LEB, VES
• <i>Loxophyllum uninucleatum</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Loxophyllum</i> sp. Dujardin * ciliated protozoan	5	ES	LEB
ORDER COLPODIDA			
Family Cyrtolophosidiidae			
• <i>Cyrtolophosis mucicola</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Cyrtolophosis</i> sp. Stokes * ciliated protozoan	5	ES	LEB
ORDER NASSULIDA			
Family Nassulidae			
• <i>Chilodontopsisopsis</i> [= <i>C. depressa</i> Perty] * ciliated protozoan	5	ES	LEB
Family Leptopharyngidae			
• <i>Leptopharynx sphagnetorum</i> Lavender * ciliated protozoan	5	ES	LEB
• <i>Trichopelma</i> sp. Lavender * ciliated protozoan	5	ES	LEB
Family Microthoracidae			
• <i>Microthorax simulans</i> Kahl * ciliated protozoan	5	ES	LEB
ORDER CYRTOPHORIDA			
Family Dysteriidae			
• <i>Trochilia palustris</i> Stein * ciliated protozoan	5	ES	LEB
• <i>Trochilia pusillum</i> * ciliated protozoan	5	ES	LEB
• <i>Trochilia sigmoides</i> Dujardin * ciliated protozoan	5	ES	LEB
• <i>Trochilia</i> sp. Dujardin * ciliated protozoan	5	ES	LEB

	SOURCE	LOCATION	HABITAT
Family Chilodonellidae			
• <i>Chilodonella acuta</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Chilodonella algivora</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Chilodonella capucina</i> Penard * ciliated protozoan	5	ES	LEB
• <i>Chilodonella labiata</i> Syokes * ciliated protozoan	5	ES	LEB
• <i>Chilodonella nana</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Chilodonella uncinata</i> (Ehrenberg) * ciliated protozoan	5	ES	LEB
• <i>Chilodonella</i> sp. Strand * ciliated protozoan	5	ES	LEB
ORDER SUCTORIDA			
Suborder Exogenina			
Family Podophryidae			
• <i>Sphaerophrya</i> sp. Claparède et Lachmann * ciliated protozoan	5	ES	LEB
Suborder Endogenina			
Family Acinetidae			
• <i>Acineta tuberosa</i> Ehrenberg * ciliated protozoan	5	ES	LEB
Family Dendrosomatidae			
• <i>Tokophrya</i> sp. Bütschli * ciliated protozoan	5	ES	LEB
CLASS OLIGOHYMENOPHORA			
ORDER HYMENOSTOMATIDA			
Family Tetrahymenidae			
• <i>Tetrahymena pyriformis</i> (Ehrenberg) Lwoff * ciliated protozoan	5	ES	LEB
Family Parameciidae			
• <i>Paramecium caudatum</i> Ehrenberg * ciliated protozoan	6,9	ES	LEB
Family Frontoniidae			
• <i>Frontonia</i> sp. Ehrenberg * ciliated protozoan	5	ES	LEB
Family Urocentridae			
• <i>Urocentrum turbo</i> Müller * ciliated protozoan	5	ES	LEB
Family Lembadionidae			
• <i>Lembadion bullinum</i> Perty * ciliated protozoan	5	ES	LEB
ORDER SCUTICOCILIATIDA			
Family Uronematidae			
• <i>Uromema</i> sp. Dujardin * ciliated protozoan	5	ES	LEB
Family Cinetochilidae			
• <i>Cinetochilum margaritaceum</i> Perty * ciliated protozoan	5,11	ES	LEB, LEP
Family Pleuronematidae			
• <i>Calyptotricha pleuronemoides</i> Phillips * ciliated protozoan	5	ES	LEB
• <i>Pleuronema</i> sp. Dujardin * ciliated protozoan	5	ES	LEB
Family Cyclidiida			
• <i>Cristigera phoenix</i> Penard * ciliated protozoan	5	ES	LEB
• <i>Cyclidium glaucoma</i> Müller * ciliated protozoan	5	ES	LEB
• <i>Cyclidium litomesum</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Cyclidium muscicola</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Cyclidium paucisetum</i> Lepsi * ciliated protozoan	5	ES	LEB
• <i>Cyclidium pellucidum</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Cyclidium versatile</i> Penard * ciliated protozoan	5	ES	LEB
• <i>Cyclidium</i> sp. Müller * ciliated protozoan	11	ES	LEP
Family Histiobalantidiidae			
• <i>Histiobalantium natans</i> Claparède et Lachmann * ciliated p.	5	ES	LEB
ORDER PERITRICHIDA (stalked ciliates)			
Suborder Sessilina			
• sessilin sp. * stalked colonial ciliate	9	ES	LEB, VES

	SOURCE	LOCATION	HABITAT
Family Vorticellidae			
• <i>Vorticella campanula</i> Ehrenberg * stalked ciliated protozoan	5,11	ES	LEB, LEP
• <i>Vorticella microstoma</i> Ehrenberg * stalked ciliated protozoan	5	ES	LEB
• <i>Vorticella picta</i> Ehrenberg * stalked ciliated protozoan	5	ES	LEB
• <i>Vorticella striata</i> Dujardin * stalked ciliated protozoan	5	ES	LEB
• <i>Vorticella</i> sp. Linnaeus * stalked ciliated protozoan	5	ES	LEB
• <i>Vorticella</i> spp. Linnaeus * stalked ciliated protozoans	9	ES	VES
• <i>Zoothamnium</i> sp. (Bory) Ehrenberg * stalked ciliated protozoan	9	ES	VES
Family Vaginicolidae			
• <i>Vaginicola</i> sp. Lamarck * stalked ciliated protozoan	5	ES	LEB

CLASS POLYHYMENOPHORA

ORDER HETEROTRICHIDA

Family Spirostomidae

- *Spirostomum* sp. Ehrenberg * ciliated protozoan

Family Stentoridae

- *Stentor* sp. Oken * ciliated protozoan

ORDER OLIGOTRICHIDA

Suborder Oligotrichina

Family Halteriidae

- *Halteria grandunella* (Müller) * ciliated protozoan

Family Strombidiidae

- *Limnostrombidium* sp. Krainer, 1995 * ciliated protozoan
- *Pelagostrombidium fallax* (Zacharias, 1896) * ciliated protozoan
- *Rimostrombidium lacustris* (Foissner, Skogstad & Pratt, 1988)* c. p.
- *Rimostrombidium humile* (Penard, 1922) * ciliated protozoan
- *Strobilidium gyrans* (Stokes) * ciliated protozoan
- *Strobilidium* sp. Schewiakoff * ciliated protozoan

Suborder Tintinnina

Family Codonellidae

- *Codonella cratera* Leidy * ciliated protozoan
- *Codonella* sp. Haeckel * ciliated protozoan

Family Tintinnidae

- *Tintinnidium fluviatile* (Stein) * ciliated protozoan

ORDER HYPOTRICHIDA

Family Spirofilida

- *Hypotrichidium conicum* Ilowaisky * ciliated protozoan

Family Strongyliidae

- *Stichotricha secunda* Perty * ciliated protozoan
- *Urostyla grandis* Ehrenberg * ciliated protozoan
- *Urostyla* sp. Ehrenberg * ciliated protozoan

Family Holostichidae

- *Balladyna fusiformis* Kahl * ciliated protozoan
- *Balladyna ovata* Tagliani * ciliated protozoan
- *Balladyna parvula* Kowalewski * ciliated protozoan
- *Holostricha vernalis* Stokes * ciliated protozoan
- *Holostricha* sp. Wrzesniowski * ciliated protozoan
- *Keronopsis* sp. Penard * ciliated protozoan
- *Uroleptus* sp. Ehrenberg * ciliated protozoan

	SOURCE	LOCATION	HABITAT
Family Oxytrichidae			
• <i>Oxytricha aeruginosa</i> Wrzesniowski * ciliated protozoan	5	ES	LEB
• <i>Oxytricha bifaria</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Oxytricha chlorelligeum</i> Kahl * ciliated protozoan	5	ES	LEB
• <i>Oxytricha setigera</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Oxytricha tricornis</i> Milne * ciliated protozoan	5	ES	LEB
• <i>Oxytricha</i> sp. Ehrenberg * ciliated protozoan	5	ES	LEB
• <i>Stylonychia mytilus</i> Ehrenberg * ciliated protozoan	5	ES	LEB
• <i>Stylonychia notophora</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Stylonychia</i> sp. Ehrenberg * ciliated protozoan	5,9	ES	LEB, VES
• <i>Tachysoma pellionella</i> Stokes * ciliated protozoan	5	ES	LEB
• <i>Tachysoma</i> sp. Stokes * ciliated protozoan	5	ES	LEB
Family Aspidiscidae			
• <i>Aspidisca costata</i> Dujardin * ciliated protozoan	5	ES	LEB
• <i>Aspidisca lynceus</i> Ehrenberg * ciliated protozoan	5	ES	LEB
• <i>Aspidisca steini</i> Buddenbrock * ciliated protozoan	5	ES	LEB
• <i>Aspidisca</i> sp. Ehrenberg * ciliated protozoan	9	ES	VES
Family Euplotidae			
• <i>Euplotes</i> sp. Ehrenberg * ciliated protozoan	5,11	ES	LEB, LEP

SUBKINGDOM PARAZOA
PHYLUM PORIFERA (sponges)
CLASS DEMOSPONGIAE (horny sponges)

ORDER HAPLOSCLERIDA

Family Spongillidae (freshwater sponges)

• <i>Eunapius fragilis</i> (Leidy) * freshwater sponge	17	LE	LKB
• spongillid sp. * freshwater sponge	8,12	TR	LEB

SUBKINGDOM EUMETAZOA
PHYLUM CNIDARIA [=COELENTERATA]
CLASS HYDROZOA (hydras)

ORDER HYDROIDA

Family Hydridae

• <i>Hydra americana</i> Hyman * hydra	17	ES	LEB
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ORDER TRACHYLINA

Family Petasidae

• <i>Craspedacusta sowerbyi</i> Lankester * freshwater jellyfish	17	CK, TR	ROK, SPD
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PHYLUM PLATYHELMINTHES
CLASS TURBELLARIA (flatworms)

ORDER CATENULIDA (catenulids)

Family Stenostomidae

• <i>Stenostomum</i> sp. Schmidt * turbellarian flatworm	9	ES	LEB, VES
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ORDER NEORHABDOCOELA

Family Dalyellioda

• <i>Microdalyellia</i> sp.? Gieysztor * turbellarian flatworm	9	ES	LEB
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Family Typhloplanidae

• <i>Mesostoma</i> sp.? Ehrenberg * turbellarian flatworm	9	ES	LEP
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ORDER TRICLADIDA (triclads or planarians)

Family Planariidae (planarians)

• <i>Dugesia tigrina</i> (Girard) * planaria	17	CK	STM
• <i>Hymanella retenuova</i> Castle, 1941 * planaria	9	ES	VES

PHYLUM GASTROTRICHA (gastrotrichs)

ORDER (CLASS) CHAETONOTIDA

Family Chaetonotidae

	SOURCE	LOCATION	HABITAT
• <i>Chaetonotus</i> sp. Ehrenberg, 1830 * gastrotrich	8,17	ES	LEP
• gastrotrich sp. * gastrotrich	9	ES	VES

PHYLUM ROTIFERA (rotifers) CLASS BDELLOIDEA

ORDER BDELLOIDA

Family Philodinidae

• <i>Philodina</i> sp. (Ehrenberg) Bryce * rotifer	2,8,9,17	ES	LEB,LEP,VES
• <i>Rotaria neptunia</i> Ehrenberg * rotifer	9	ES	LEB,VES
• <i>Rotaria</i> sp. Scopoli * rotifer	2,8,9	ES	LEB,LEP

CLASS MONOGONONTA

ORDER PLOIMA

Family Brachionidae

• <i>Brachionus angularis</i> Gosse * rotifer	2,8	ES	LEP
• <i>Brachionus bidentata</i> Anderson * rotifer	2,6,8,9,17	ES	LEB,LEP
• <i>Brachionus calyciflorus</i> Pallas * rotifer	2,6,8,9,17	ES	LEB,LEP
• <i>Brachionus caudatus</i> Barrios & Daday * rotifer	2,6,8,9,17	ES	LEB,LEP
• <i>Brachionus havanaensis</i> Rousselet * rotifer	6,9	ES	LEB
• <i>Brachionus quadridentatus</i> Hermann * rotifer	2,6,8,9	ES	LEB,LEP
• <i>Brachionus urceolaris</i> Müller * rotifer	2,6,9,17	ES	LEB,LEP
• <i>Euchlanis parva</i> Rousselet * rotifer	2,8	ES	LEP
• <i>Kellicottia longispina</i> Kellicott * rotifer	2,8	ES	LEP
• <i>Keratella cochlearis</i> Gosse * rotifer	2,8	ES	LEP
• <i>Keratella cochlearis</i> forma <i>tecta</i> (Gosse) * rotifer	2,8	ES	LEP
• <i>Keratella cochlearis</i> forma <i>typica</i> (Lauterborn) * rotifer	17	ES	LEP
• <i>Keratella quadrata</i> Müller * rotifer	2,6,8,17	ES	LEP
• <i>Platylas patulus</i> (Müller) * rotifer	2,8	ES	LEP
• <i>Trichotria tetractis</i> (Ehrenberg) * rotifer	2,8	ES	LEP

Family Lecanidae

• *Lecane luna* (Müller) * rotifer

2,8 ES LEP

Family Trichocercidae

• *Trichocerca multicornis* Kellicott * rotifer

2,8 ES LEP

Family Gastropodidae

• *Ascomorpha ecaudis* Perty * rotifer

2,8 ES LEP

Family Asplanchnidae

• *Asplanchna priodonta* Gosse * rotifer

17 ES LEP

• *Asplanchna* spp. Gosse * rotifers

2,6,8 ES LEP

Family Synchaetidae

• *Ploesoma hudsoni* (Imhof) * rotifer

2,8 ES LEP

• *Polyarthra dolichoptera* Idelson * rotifer

17 ES LEP

• *Polyarthra remata* Skorikov * rotifer

2,8 ES LEP

• *Polyarthra* sp. Ehrenberg * rotifer

6,9 ES,LE LEB,LEP

• *Sychaeta kitina* Rousselet, 1902 * rotifer

2,8 ES LEP

• *Sychaeta stylata* Wierzejski * rotifer

2,8 ES LEP

ORDER FLOSCULARIACEAE

Family Testudinellidae [=Filiniidae]

• *Filinia* sp. Bory de St. Vincent * rotifer

6 ES LEP

	SOURCE	LOCATION	HABITAT
Family Flosculariidae			
• <i>Floscularia</i> sp. Cuvier * rotifer	9	ES	VES
• <i>Sinantherina</i> sp. Bory de St. Vincent * rotifer	9	ES	VES
Family Conochilidae			
• <i>Conochilus</i> sp. Ehrenberg * rotifer	6	LE	LEP

PHYLUM NEMATODA (roundworms)
CLASS ADENOPHOREA

ORDER ENOPLIDA

Family Tripylidae

• <i>Tobrilus</i> sp. Andrassy * roundworm	9	ES	LEB
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ORDER DORYLAIMIDA

Family Dorylaimidae

• <i>Dorylaimus</i> sp. Dujardin * roundworm	9	ES	LEB
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ORDER TYLENCHIDA

Family Criconematidae

• <i>Criconemoides</i> sp. Taylor * roundworm	9	ES	LEB
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PHYLUM MOLLUSCA
CLASS GASTROPODA (snails)
Subclass Prosobranchia

ORDER MESOGASTROPODA

Family Viviparidae

• <i>Cipangopaludina japonicus</i> (von Martens, 1861) * Japanese mystery snail	9	ES	LES, VES
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Subclass Pulmonata

ORDER BASOMMATOPHORA (freshwater snails)

Family Lymnaeidae

• <i>Fossaria</i> sp. Westerlund, 1885 [= <i>Galba</i> sp. Schrank, 1803] * fossaria	9	ES	LEB, VES
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• <i>Lymnaea megasoma</i> (Say, 1924) [= <i>Bulimnaea megasoma</i>] * mammoth lymnaea	17	ES	LEB, VES
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• <i>Pseudosuccinea columella</i> (Say, 1817) * mimic lymnaea	9	ES	VES
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Family Physidae

• <i>Physa</i> sp. Draparnaud, 1801 * physa	17	ES	LEB, VES
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• <i>Physella gyrina</i> (Say, 1821) * tadpole physa	9	ES	LEB, VES
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• <i>Physella</i> sp. Haldeman, 1842 * physa	9	ES	LEB, VES
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Family Planorbidae

• <i>Gyraulus deflectus</i> (Say, 1824) * flexed gyro	9	ES	LEB
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• <i>Helisoma anceps anceps</i> (Menke, 1830) * two-ridge rams-horn	9	ES	LEB
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Family Ancyliidae

• <i>Ferrissia parallela</i> (Haldeman, 1841) * oblong ancyloid	9	ES	LEB, VES
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ORDER STYLOMMATOPHORA (land snails)

Family Polygyridae

• <i>Mesodon thyroidus</i> (Say, 1816) * white-lip globe	17	ES	WLW
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CLASS BIVALVIA (clams)
Subclass Palaeoheterodonta

ORDER UNIONOIDA

Family Unionoidae

	SOURCE	LOCATION	HABITAT
• <i>Amblema plicata plicata</i> (Say, 1817) * threeridge	17d	LE	LKB
• <i>Anodontoides ferussacianus</i> (Lea, 1834) * cylindrical papershell	17d	TR	STM
• <i>Cyclonaias tuberculata</i> (Rafinesque, 1820) * purple wartyback	17d	LE	LKB
• <i>Elliptio dilatata</i> (Rafinesque, 1820) * spike	17d	LE,TR	LKB,STM
• <i>Lampsilis radiata luteola</i> (Lamarck, 1819) * lampmussel	17d	LE,TR	LKB,STM
• <i>Lampsilis ventricosa</i> (Barnes, 1823) * fatmucket	17d	LE,TR	LKB,STM
• <i>Lasmigona compressa</i> (Lea, 1829) * creek heelsplitter	17d	TR	STM
• <i>Leptodea fragilis</i> (Rafinesque, 1820) * fragile papershell	17c	LE	LKB
• <i>Ligumia recta</i> (Lamarck, 1819) * black sandshell	17d	LE	LKB
• <i>Potamilus alatus</i> (Say, 1817) * pink heelsplitter	9,17d	ES,LE	LEB,LKB
• <i>Ptychobranchus fasciolaris</i> (Rafinesque, 1820) * kidneyshell	17d	LE	LKB
• <i>Pyganodongrandis grandis</i> (Say, 1929) [= <i>Anodonta grandis grandis</i>] * giant floater	9,17d	ES,LE	LEB,LKB
• <i>Quadrula pustulosa pustulosa</i> (Lea, 1831) * pimpleback	17d	LE	LKB
• <i>Toxolasma parvus</i> (Barnes, 1823) * lilliput	17d	LE	LKB
• <i>Truncilla donaciformis</i> (Lea, 1828) * fawnsfoot	17d	LE	LKB
• <i>Truncilla truncilla</i> Rafinesque, 1820 * deertoe	17d	LE	LKB
• <i>Utterbackia imbecillis</i> (Say, 1929) [= <i>Anodonta imbecillis</i>] * paper pondshell	9,17d	ES,LE	LEB,LKB

Subclass Heterodonta

ORDER VENEROIDA

Family Dreissenidae

• <i>Dreissena polymorpha</i> (Pallas, 1771) * zebra mussel	9,10,12,17	ES,LE	LEB,LKB,VES
• <i>Dreissena bugensis</i> Andrusov, 1897 * quagga mussel	17	LE	LKB

Family Pisidiidae [=Sphaeriidae] (fingernail clams)

• <i>Musculium securis</i> (Prime, 1852) [= <i>Sphaerium securis</i>] * pond fingernail clam	17	ES	LEB
• <i>Musculium</i> sp. Link, 1807 * fingernail clam	9	ES	LEB
• <i>Pisidium compressum</i> Prime, 1852 * ridge-beak peaclam	9	ES	LEB

PHYLUM ANNELIDA
CLASS HIRUDINEA (leeches)

ORDER RHYNOCHOBDELLA

Family Glossiphoniidae

• <i>Batracobdella phalera</i> (Graf, 1899) [= <i>Placobdella phalera</i> Graf, 1899] * leech	9	ES	LEB
• <i>Glossiphonia</i> sp. Johnson, 1816 * leech	6	ES	LEB
• <i>Helobdella stagnalis</i> (Linnaeus, 1758) Blanchard, 1896 [= <i>Glossiphonia stagnallis</i> Moore, 1912] * leech	9	ES	LEB
• <i>Placobdella</i> sp. Blanchard, 1896 * leech	6	ES	LEB

CLASS OLIGOCHAETA (segmented worms)

ORDER LUMBRICULIDA

Family Lumbriculidae

• <i>Lumbriculus variegatus</i> (Müller, 1774) Grube, 1844 * aquatic earthworm	9	ES	LEB
• <i>Stylodrilus heringianus</i> Claparède, 1862 * aquatic earthworm	6	ES	LEB

ORDER HAPLOTAXIDA

Family Tubificidae

	SOURCE	LOCATION	HABITAT
• <i>Aulodrilus limnobius</i> Bretscher, 1899 * tubificid worm	9	ES	LEB
• <i>Aulodrilus pigueti</i> Kowalewski, 1914 * tubificid worm	9	ES	LEB
• <i>Aulodrilus plurisetus</i> (Piguet, 1906) Piguet & Bretscher, 1913 * tubificid worm	9	ES	LEB
• <i>Branchirua sowerbyi</i> Beddard, 1892 * tubificid worm	6,9,17	ES	LEB
• <i>Ilyodrilus templetoni</i> Southern, 1904 * tubificid worm	9	ES	LEB
• <i>Limnodrilus cervix</i> Brinkhurst, 1963 * tubificid worm	9	ES	LEB
• <i>Limnodrilus claparedeianus</i> Ratzel, 1868 * tubificid worm	9	ES	LEB
• <i>Limnodrilus cervix</i> x <i>Limnodrilus claparedeianus</i> (intermediate) * tubificid worm	9	ES	LEB
• <i>Limnodrilus hoffmeisteri</i> Claparède, 1862 * tubificid worm	9	ES	LEB
• <i>Limnodrilus maumeensis</i> Brinkhurst & Cook, 1966 * tubificid worm	9	ES	LEB
• <i>Limnodrilus profundicola</i> (Verrill, 1871) Brinkhurst, 1965 * tubificid worm	9	ES	LEB
• <i>Limnodrilus udekemianus</i> Claparède, 1862 * tubificid worm	9	ES	LEB
• <i>Quistadrilus multisetosus</i> Smith, 1900 * tubificid worm	9	ES	LEB
• <i>Rhyacodrilus coccineus</i> (Vejdovsky, 1875) * tubificid worm	9	ES	LEB
• <i>Telmatodrilus</i> sp.? Eisen, 1879 * tubificid worm	9	ES	LEB
• tubificid sp. * tubificid worm	12	ES	LEB
Family Naididae			
• <i>Amphichaeta leydigii</i> Tauber, 1879 * naidid worm	9	ES	LEB
• <i>Chaetogaster diaphanus</i> Gruithuisen, 1828 * naidid worm	9	ES	LEB
• <i>Chaetogaster diastrophus?</i> Gruithuisen, 1828 * naidid worm	9	ES	LEB
• <i>Chaetogaster limnaei</i> Von Baer, 1827 * naidid worm	9	ES	LEB
• <i>Dero nivea</i> Aiyer, 1929 * naidid worm	9	ES	LEB, VES
• <i>Dero trifida?</i> Loden, 1979 * naidid worm	9	ES	LEB
• <i>Dero vaga</i> Leidy, 1880 [= <i>Auloporus vaga</i>] * naidid worm	9	ES	LEB
• <i>Haemonais waldvogeli</i> Bretscher, 1900 * naidid worm	9	ES	LEB
• <i>Nais barbata</i> Müller, 1873 * naidid worm	9	ES	LEB
• <i>Nais communis</i> Piguet, 1909 * naidid worm	9	ES	LEB, VES
• <i>Nais elinguis</i> Müller, 1773 * naidid worm	9	ES	LEB, VES
• <i>Nais pardalis</i> Piguet, 1906 * naidid worm	9	ES	LEB, VES
• <i>Nais pseudobtusa</i> Piguet, 1906 * naidid worm	9	ES	LEB
• <i>Nais variabilis</i> Piguet, 1906 * naidid worm	9	ES	LEB, VES
• <i>Ophidonais serpentina</i> (Müller, 1773) Gervais, 1938 * naidid worm	9	ES	LEB
• <i>Pristina longiseta longiseta</i> Ehrenberg, 1828 * naidid worm	9	ES	LEB
• <i>Pristina sima?</i> (Marcus, 1944) Sperber, 1948 * naidid worm	9	ES	LEB
• <i>Pristinella acuminata?</i> Liang, 1958 * naidid worm	9	ES	LEB
• <i>Pristinella jenkiniae</i> (Stephenson, 1931) * naidid worm	9	ES	LEB
• <i>Pristinaella osborni</i> (Walton, 1906) * naidid worm	9	ES	LEB
• <i>Vejdovskyella comata</i> (Vejdovsky, 1883) Michaelsen, 1903 * naidid worm	9	ES	LEB
• <i>Vejdovskyella intermedia</i> (Bretscher, 1896) Piguet, 1928 * naidid worm	9	ES	LEB
Family Aeolosomatidae			
• <i>Aeolosoma headleyi</i> Beddard, 1888 * aquatic earthworm	9	ES	LEB
• <i>Aeolosoma hemprichi</i> Ehrenberg, 1831 * aquatic earthworm	9	ES	LEB

**PHYLUM ARTHROPODA (joint-legged animals)
CLASS ARACHNIDA (terrestrial chelicerates)**

ORDER ARANEAE (spiders)

Family Pholcidae (long-legged spiders)

• *Pholcus phalangioides* (Fuesslin) Emerton, 1882 * cellar spider

Family Theridiidae (comb-footed or cobweb spiders)

• *Achaearana tepidariorum* (Koch) Levi, 1955

* American house spider

• *Crustulina altera* Gertsch & Archer * comb-footed spider

• *Steatoda borealis* (Hentz) Emerton, 1882 * comb-footed spider

• *Steatoda triangulosa* (Walckenaer) Emerton, 1882 * c-f spider

• *Theridion frondeum* Hentz, 1850 * comb-footed spider

Family Linyphiidae (sheet-web weavers)

• *Atopogyna cornupalis* (Cambridge, 1875) * sheet-web weaver

• *Bathyphantes* sp.? Menge * sheet-web weaver

• *Ceraticelus fissiceps* (Cambridge) * dwarf spider

• *Frontinella pyramitela* (Walckenaer) * sheet-web weaver

• *Lepthyphantes zebra* (Emerton, 1882) Zorsch, 1937 * s-w w.

• *Meioneta unimaculata* (Banks, 1892) Comstock, 1912 * s-w w.

• *Neriere radiata?* van Heisdinger, 1969 [or *Microlin* sp.] * s-w w.

• *Pityohyphantes costatus* (Hentz, 1850) Chamberlin & Ivie, 1943
* hammock spider

Family Araneidae (orb weavers)

• *Araneus marmoreus* Clerck, 1757 * marbled orb weaver

• *Araneus trifolium* (Hentz) * orb weaver

• *Argiope aurantia* Lucas, 1833 * black & yellow garden spider

• *Argiope trifasciata* (Forskål, 1775) Levi, 1968 * banded garden

• *Cyclosa conica* (Pallus, 1772) Emerton, 1884 * orb weaver

• *Eustala anastera* (Walckenaer, 1841) Comstock, 1912 * orb w.

• *Gea heptagon* (Hentz) * orb weaver

• *Mangora placida* (Hentz, 1847) Comstock, 1912 * orb weaver

• *Micrathena gracilis* (Walckenaer) * orb weaver

• *Neoscona crucifera* (Lucas) * orb weaver

• *Verrucosa arenata* (Walckenaer) * orb weaver

Family Mimetidae (ambush spiders)

• *Ero canionis* Chamberlin * ambush spider

Family Tetragnathidae (large-jawed orb weavers)

• *Tetragnatha elongata* Walckenaer, 1805 * stilt-legged spider

• *Tetragnatha laboriosa* Hentz * long-jawed orb weaver

Family Agelenidae (funnel-web weavers)

• *Agelenopsis pennsylvanica*. (Koch) * grass spider

• *Cirurina robusta* Simon, 1886 * funnel-web weaver

• *Coras medicinalis* (Hentz, 1821) Comstock, 1912 * f-w. weaver

Family Amaurobiidae (thread-web weavers)

• *Callobius* sp.? Chamberlin * thread-web weaver

Family Dictynidae (loose-web weavers)

• *Cicurina pallida* Keyserling * loose-web weaver

• *Dictynia annulipes* (Blackwell, 1846) Chamberlin & Gertsch, 1958
* loose-web weaver

Family Anyphaenidae (hunting spiders)

• *Anyphaena celer* (Hentz, 1847) Simon, 1897 * hunting spider

	SOURCE	LOCATION	HABITAT
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD
	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Gnaphosidae (ground spiders)			
• <i>Herpyllus ecclesiasticus</i> Hentz, 1832 * parson spider	15	CK	LWD
Family Clubionidae (sac spiders)			
• <i>Agroeca pratensis?</i> Emerton, 1890 * sac spider	15	ES	WET
• <i>Castianeira cingulata</i> (Koch, 1842) Simon, 1897 * sac spider	15	CK	UWD
• <i>Cheiracanthium mildei</i> Koch * sac spider	15	CK	UWD
• <i>Clubiona</i> sp. Latreille * sac spider	15	CK	UWD
• <i>Clubionoides excepta?</i> (Koch, 1866) Edwards, 1958 * sac spider	15	CK	UWD
• <i>Trachelas tranquilus</i> (Hentz, 1847) Banks, 1891 * sac spider	15	CK	UWD
Family Lycosidae (wolf spiders)			
• <i>Allocosa funerea</i> (Hentz, 1844) Banks, 1900 * wolf spider	15	CK	UWD
• <i>Alopecosa aculeata?</i> (Clerck, 1758) Charitonor, 1931 * wolf spider	15	CK	UWD
• <i>Hogna helluo</i> (Walckenaer) * wolf spider	15	CK	UWD
• <i>Hogna rabida</i> (Walckenaer, 1837) Dondale & Redner, 1990* w. s.	17	ES	WET
• <i>Pardosa milvina</i> (Hentz, 1844) Banks, 1899 * wolf spider	15	CK	UWD
• <i>Pardosa moesta?</i> Banks, 1892 * thin-legged wolf spider	15	CK	UWD
• <i>Pardosa saxatillis</i> (Hentz) * wolf spider	15	CK	UWD
• <i>Pirata minutus?</i> Emerton, 1885 * wolf spider	15	CK	UWD
• <i>Schizocosa avida</i> (Walckenaer, 1837) Gertsch & Wallace, 1937 * wolf spider	15	CK	UWD
• <i>Schizocosa ocreata</i> (Hentz, 1844) Chamberlin, 1904 * wolf spider	15	CK	UWD
Family Pisauridae (nursery web spiders)			
• <i>Dolomedes tenebrosus?</i> Hentz, 1844 * nursery web spider	15	CK	UWD
• <i>Pisaurina mira</i> (Walckenaer, 1837) Simon, 1898 * nursery web spider	15	CK	UWD
Family Thomisidae (crab spiders)			
• <i>Coriarachne versicolor?</i> Keyserling, 1880 * crab spider	15	CK	UWD
• <i>Misumenoides formosipes</i> (Walckenaer) Chamberlin & Ivie, 1944 * crab spider	15	CK	UWD
• <i>Misumenops asperatus?</i> (Hentz, 1847) Gertsch, 1939* crab s.	15	CK	UWD
• <i>Philodromus keyserlingi</i> Marx, 1890 * crab spider	15	CK	UWD
• <i>Philodromus vulgaris</i> (Hentz, 1847) Dondale & Redner, 1976 * crab spider	15	CK	UWD
• <i>Tmarus angulatus</i> (Walckenaer, 1937) Gertsch, 1939 * crab spider	15	CK	UWD
• <i>Xysticus elegans</i> Keyserling * crab spider	15	CK	UWD
• <i>Xysticus ferox</i> (Hentz, 1847) Gertsch, 1939 * crab spider	15	CK	UWD
• <i>Xysticus funestus</i> Keyserling, 1880 * crab spider	15	CK	UWD
Family Salticidae (jumping spiders)			
• <i>Eris militaris</i> (Emerton, 1891) Keston, 1973 * jumping spider	15	CK	UWD
• <i>Habrocestum pulex</i> (Hentz, 1846) Peckham, 1909 * jumping s.	15	CK	UWD
• <i>Maevia inclomens?</i> (Walckenaer, 1837) Barnes, 1955* jump. s.	15	CK	UWD
• <i>Metaphidippus</i> sp. Cambridge * jumping spider	15	CK	UWD
• <i>Phidippus audax</i> (Hentz, 1845) Peckman, 1909 * jumping spider	15	CK	UWD
• <i>Phidippus clarus</i> Keyserling, 1884 * jumping spider	15	CK	UWD
• <i>Phidippus whitmani</i> Peckham, 1909 * jumping spider	15	CK	UWD
• <i>Platycryptus undatus</i> (De Geer, 1778) Hill, 1979 * jumping spider	15	CK	UWD
• <i>Salticus scenicus</i> (Linnaeus) Peckham, 1909 * jumping spider	15	CK	UWD
• <i>Sitticus</i> sp. Simon * jumping spider	15	CK	UWD
• <i>Tutelina elegans</i> (Hentz, 1846) Kaston, 1938 * jumping spider	15	CK	UWD

ORDER ACARIFORMES [=ACARI] (mites)
Suborder Hydrachnida (water mites)

Family Limnessiidae (freshwater mites)

• *Limnesia* sp. Koch * freshwater mite

Family Unionicolidae (clam mites)

• *Neumania* sp. Lebert * clam mite

• *Unionicola* sp. Halderman * clam mite

SOURCE

LOCATION

HABITAT

9

ES

LEB

9

ES

LEB

9

ES

LEB

CLASS CRUSTACEA (crustaceans)
Subclass Branchiopoda

ORDER CLADOCERA (water fleas)

Suborder Anomopoda

Family Daphnidae

• *Ceriodaphnia lacustris* Birge, 1893 * water flea

• *Ceriodaphnia quadrangula* (Müller, 1785) * water flea

• *Ceriodaphnia reticulata* (Jurine, 1820) * water flea

• *Daphnia catawba* Croker, 1926 * water flea

• *Daphnia galeata mendotae* Birge, 1918 * water flea

• *Daphnia parvula* Fordyce, 1901 * water flea

• *Daphnia retrocurva* Forbes, 1882 * water flea

• *Scapholeberis kingi* Sars, 1903 * water flea

• *Scapholeberis mucronata* (Müller, 1785) * water flea

• *Simocephalus serrulatus* (Koch, 1841) * water flea

2,7,8

CK,ES

LEP

9

ES

LEB

6,7,8,9,17

ES

LEB,LEP

7

LE

LEP

2,6,7,8,9

CK,ES,LE

LEB,LEP

7,8,9

CK,LE

LEB,LEP

2,6,7,8,9

CK,ES,LE

LEB,LEP

2,8,9

ES

LEB,LEP,VES

7,9

ES

LEB,LEP,VES

7,17

CK,ES

LEP

Family Bosminidae

• *Bosmina longirostris* (Müller, 1785) * water flea

• *Eubosmina coregoni* (Baird, 1850) [= *Bosmina coregoni*] * w. f.

• mucronate bosminid spp. * water fleas

2,8,9

ES

LEB,LEP

2,6,7,17

CK,ES,LE

LEP

6,7

CK,ES,LE

LEP

Family Chydoridae

• *Alona barbulata?* Megard, 1967 * water flea

• *Alona* cf. *circumfimbriata* Megard, 1967 * water flea

• *Alona costata* Sars, 1862 * water flea

• *Alona guttata* Sars, 1862 * water flea

• *Alona quadrangularis* Müller, 1785 * water flea

• *Alonella excisa* (Fischer, 1854) * water flea
 [or *Alonella exigua?* Lilljeborg, 1853] * water flea

• *Alonella hamulata* (Birge) * water flea

• *Alonella nana* (Baird, 1850) * water flea

• *Alonella setulosa* (Megard, 1967) * water flea

• *Chydorus sphaericus* (Müller, 1785) * water flea

• *Chydorus* sp. Leach, 1843 * water flea

• *Disparalona leei* (Chien) * water flea

• *Leydigia acanthocercoides* (Fischer, 1854) * water flea

• *Leydigia leydigi* (Schödler, 1863) * water flea

• *Pleuroxus* cf. *denticulatus* Birge, 1878 * water flea

• *Pleuroxus procurvus* Birge, 1878 * water flea

• *Pseudochydorus globosus* (Baird, 1850) * water flea

7,8

CK,ES

LEP

7,8

CK

LEP

2,8

ES

LEP

2,8,9

ES

LEB,LEP

6,7,8,9

CK,ES,LE

LEB,LEP

8,9

ES

LEB,LEP

7,8

CK,ES

LEP

8,17

ES

LEP

7

ES,LE

LEP

2,8,9,17

ES

LEB,LEP,VES

6,7

CK,ES,LE

LEP

7,8

CK,ES,LE

LEP

9

ES

LEB

7,8,9

CK,ES,LE

LEB,LEP,VES

7,8

CK,ES

LEP

7,8,17

CK,ES

LEP

7,8

CK,ES

LEP

Family Macrothricidae

• *Ilyocryptus sordidus* (Lieven, 1848) * water flea

• *Macrothrix laticornis* (Jurine, 1820) * water flea

7,8,9

CK,ES,LE

LEB,LEP

7,8,9

CK,ES

LEB,LEP

Family Moinidae

• *Moina micrura* Kurz, 1874 * water flea

2,6,7,8,9

CK,ES

LEB,LEP,VES

	SOURCE	LOCATION	HABITAT
Suborder Ctenopoda			
Family Sididae			
• <i>Diaphanosoma birgei</i> Korinek, 1981 * water flea	2,6,7,8	CK,ES,LE	LEP
• <i>Latona setifera</i> (Müller, 1785) * water flea	9	ES	LEB
• <i>Sida crystallina</i> (Müller, 1785) * water flea	8,17	ES	LEP
Suborder Haplopoda			
Family Leptodoridae			
• <i>Leptodora kindtii</i> (Focke, 1844) * large water flea	6,7,17	LE	LEP
Suborder Onychopoda			
Family Cercopagidae			
• <i>Bythotrephes cederstroemi</i> Schödler, 1877 * spiny water flea	16	LE	LKP
Subclass Ostracoda (seed shrimps)			
ORDER PODOCOPINA			
Family Darwinulidae			
• <i>Darwinula stevensoni</i> (Brady & Robertson, 1870) * seed shrimp	9	ES	LEB
Family Candonidae			
• <i>Candona simpsoni</i> Sharpe, 1897 * seed shrimp	9	ES	LEB
Family Cyprididae			
• <i>Cypria maculata</i> Hoff, 1942 * seed shrimp	17	ES	LEB
• <i>Cypria ophthalmica</i> (Jurine, 1820) * seed shrimp	17c	ES	LEB
• <i>Cypria pellucida</i> Sars, 1901 * seed shrimp	17, 17c	ES	LEB
• <i>Cypria</i> sp. Zenker, 1854 * seed shrimp	9	ES	LEB
• <i>Physocypria pustulosa</i> Sharpe, 1897 * seed shrimp	17c	ES	LEB
Family Cypridopsidae			
• <i>Cypridopsis vidua</i> (Müller, 1776) * seed shrimp	9	ES	LEB
Family Ilyocyprididae			
• <i>Pelocypris</i> sp. Klie, 1931 * seed shrimp	9	ES	LEB
Subclass Copepoda (copepods)			
ORDER CALANOIDA			
Family Temoridae			
• <i>Epischura lacustris</i> Forbes, 1882 * copepod	6,9	ES	LEB, LEP
• <i>Eurytemora affinis</i> (Poppe, 1880) * copepod	6,7,8	CK,ES,LE	LEP
Family Diaptomidae			
• <i>Diaptomus</i> sp. Westwood * copepod	6	ES	LEP
• <i>Leptodiaptomus ashlandi</i> (Marsh, 1893) * copepod	7,8	CK,ES,LE	LEP
• <i>Leptodiaptomus minutus</i> (Lilljeborg, 1889) * copepod	7,8	ES,LE	LEP
• <i>Leptodiaptomus sicilis</i> (Forbes, 1882) * copepod	7,8	ES,LE	LEP
• <i>Leptodiaptomus siciloides</i> (Lilljeborg, 1889) * copepod	7,8	CK,ES,LE	LEP
• <i>Skistodiaptomus oregonesis</i> (Lilljeborg, 1889) * copepod	2,7,8,9	CK,ES,LE	LEB,LEP
• <i>Skistodiaptomus pallidus</i> (Herrick, 1879) * copepod	2,6,7,8,9	CK,ES	LEB,LEP
ORDER HARPACTICOIDA			
Family Canthocamptidae			
• <i>Attheyella illinoisensis</i> (Forbes, 1882) * copepod	9	ES	LEB
• <i>Bryocamptus</i> sp. Chappuis, 1927 * copepod	9	ES	LEB
• <i>Canthocamptus robertcokeri</i> Wilson, 1958 * copepod	6,9	ES	LEB
• <i>Nitocra hibernica</i> (Brady, 1880) * copepod	9	ES	LEB
ORDER CYCLOPOIDA			
Family Cyclopidea			
• <i>Acanthocyclops vernalis sensu lata</i> (Fischer, 1893) * copepod	2,6,7,8,9	CK,ES,LE	LEB,LEP
• <i>Cyclops varicans rubellus?</i> Lilljeborg, 1901 * copepod	6,7,8	CK,ES,LE	LEP
• <i>Diacyclops</i> cf. <i>navus</i> (Herrick, 1882) * copepod	9	ES	LEB
• <i>Diacyclops nearcticus</i> (Kiefer, 1931) * copepod	9	ES	LEB

Family Cyclopidea (continued)	SOURCE	LOCATION	HABITAT
• <i>Diacyclops thomasi</i> (Forbes, 1882) * copepod	2,6,7,8,9	CK,ES,LE	LEB,LEP
• <i>Eucyclops agilis</i> (Koch, 1838) * copepod	7,9	ES,LE	LEB,LEP,VES
• <i>Eucyclops elegans</i> (Lilljeborg, 1901) [= <i>E. speratus</i>] * copepod	2,8,9	ES	LEB,LEP
• <i>Macrocyclus albidus</i> (Jurine, 1820) * copepod	7,8,9	ES	LEB,LEP
• <i>Mesocyclops edax</i> (Forbes, 1891) * copepod	2,6,7,8,9	CK,ES,LE	LEB,LEP
• <i>Microcyclus varicans rubellus</i> (Lilljeborg, 1901) * copepod	9	ES	LEB
• <i>Paracyclops fimbriatus poppei</i> (Rehberg, 1880) * copepod	2,8,9	ES	LEB,LEP
• <i>Tropocyclops prasinus mexicanus</i> Kiefer, 1938 * copepod	6,7,8,9	CK,ES,LE	LEB,LEP

Subclass Branchiura

ORDER ARGULOIDA

Family Argulidae (fish lice)

• <i>Argulus</i> sp. Müller * fish louse	7	ES	LEP
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Subclass Malacostraca

ORDER ISOPODA (sowbugs)

Family Asellidae (aquatic sowbugs)

• <i>Asellus</i> sp. Geoffroy [= <i>Caecidotea</i> sp.] * aquatic sowbug	17	ES	LEB
• <i>Caecidotea racovitzai racovitzai</i> (Williams, 1970) * aquatic sowbug	9	ES	LEB

ORDER AMPHIPODA (scuds or sideswimmers)

Family Gammaridae

• <i>Crangonyx gracilis</i> Smith * sideswimmer	17	ES	LEB
• <i>Gammarus fasciatus</i> Say * sideswimmer	9,12	ES	LEB
• <i>Gammarus pseudolimnaeus</i> Bousfield * sideswimmer	17	ES	LEB

Family Talitridae

• <i>Hyalella azteca</i> Saussure * sideswimmer	6,9	ES	LEB
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ORDER DECAPODA (crayfishes & shrimps)

Infraorder Caridae (shrimps)

Family Palaemonidae (freshwater prawns)

• <i>Palaemonetes kadiakensis</i> Rathbun, 1902 * Mississippi glass shrimp	9,17b	ES	LEB, VES
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Infraorder Asacidea

Family Cambaridae (crayfishes)

• <i>Cambarus diogenes</i> Girard, 1852 * devil crawfish	17	ES	LEB
• <i>Orconectes rusticus</i> (Girard, 1852) * rusty crayfish	17	ES	LEB

CLASS INSECTA [=HEXAPODA] (insects & allies)

Subclass Entognatha (diplurans & springtails)

ORDER COLLEMBOLA (springtails)

Family Entomobryidae (entomobryids)

• entomobryid spp. [2] * springtails	9,15	CK,ES	LEB,LEP,UWD
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Family Isotomidae (isotomids)

• isotomid sp. * springtail	9	ES	LEB,LEP
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ORDER DIPLURA (diplurans)

Family Campodeidae

• dipluran sp. * dipluran	15	CK	UWD
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Subclass Ectognatha (true insects)

ORDER THYSANURA (bristletails)

Family Lepismatidae (silverfish)

• lepismatid sp. * silverfish	15	CK	UWD,RUL
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ORDER EPHEMEROPTERA (mayflies)
Suborder Schistonota (splitback mayflies)

Family Baetidae (small minnow mayflies)

• *Baetis* sp. Leach, 1815 * bluewing olive

• baetid sp. * small minnow mayfly

Family Oligoneuridae (brushlegged mayflies)

• *Isonychia sicca* (Walsh, 1862) * brushlegged mayfly

• *Isonychia* sp. Eaton, 1871 * brushlegged mayfly

Family Heptageniidae (stream or flatheaded mayflies)

• *Heptagenia pulla* Clemens, 1913 * graywing olive

• *Heptagenia* sp. Walsh, 1863 * flatheaded mayfly

• *Stenacron* sp. (Traver) Jensen, 1974 * yellow may

• *Stenonema femoratum* (Say, 1823) * pale red fox

• *Stenonema* sp. Traver, 1933 * flatheaded mayfly or yellow may

Family Leptophlebiidae (pronggills)

• *Leptophlebia* sp. Westwood, 1840 * pronggill mayfly

Family Polymitarcyidae (pale burrowers)

• *Ephoron* sp. Williamson, 1802 * pale burrowing mayfly

Family Ephemeridae (common burrowers)

• *Ephemera* sp. Linnaeus, 1758 * burrowing mayfly

• *Hexagenia limbata* (Serville, 1829) * burrowing mayfly

• *Hexagenia* spp. Walsh, 1863 * burrowing mayflies

Suborder Pannota (fusedback mayflies)

Family Ephemerellidae (spiny crawlers)

• *Ephemerella* sp. Walsh, 1862 * spiny crawler

Family Caenidae (small squaregills)

• *Caenis simulans* McDunnough, 1931 * squaregill mayfly

• *Caenis* sp. Stephens, 1835 * squaregill mayfly

ORDER ODONATA (damselflies & dragonflies)

Suborder Zygoptera (damselflies)

Family Lestidae (spread-winged damselflies)

• *Lestes forcipatus* Rambur, 1842 * marsh spreadwing

• *Lestes* sp. Leach, 1815 * spreadwing

Family Coenagrionidae (narrow-winged damselflies or bluets)

• *Argia fumipennis* Burmeister * dancer

• *Argia meosta* (Hagen, 1861) * dancer

• *Argia apicalis* Say, 1839 * dancer

• *Argia tibialis* Rambur, 1842 * dancer

• *Argia translata* Hagen, 1865 * dancer

• *Argia violacea* (Hagen, 1861) * purple damselfly or violet dancer

• *Argia* sp. Rambur, 1842 * dancer

• *Chromagrion* sp. Needham, 1839 * variegated damsel

• *Enallagma antennatum* (Say, 1839) * bluet

• *Enallagma civile* (Hagen, 1861) * civil bluet

• *Enallagma exsulans* Hagen, 1861 * bluet

• *Enallagma signatum* Hagen, 1861 * bluet

• *Enallagma vespersum* Calvert, 1913 * bluet

• *Enallagma* sp. Charpentier, 1840 * bluet

• *Ischnura posita* (Hagen, 1861) * forktail

• *Ischnura verticalis* (Say, 1839) * forktail

• *Ischnura* sp. Charpentier, 1840 * forktail

	SOURCE	LOCATION	HABITAT
	17a	ES,TR	WET,STM
	9	ES	LEB
	6	CK	STM
	3,17a	CK,TR	STM
	6	CK	STM
	15,17a	CK	STM
	3,17a	CK,TR	STM
	6	CK	STM
	3,17a	CK	STM
	17a	ES	LEB
	17a	TR	STM
	17a	TR	STM
	17a	ES	LEB
	9,17a	ES	LEB
	6	CK	STM
	6	CK	STM
	9,17a	ES,TR	LEB,STM
	14	TR	LKS
	3	CK	STM
	17a	TR	STM
	17a	ES	WET
	14	ES	WET
	14	CK,ES	SWF
	17a	TR	STM
	17a	ES	WET
	3,17a	CK,ES,TR	LEB,STM
	17a	TR	STM
	10,14,	CK,ES	LEB,WET
	3,14,17a	CK,ES	WET
	14	CK	STM
	14	CK	STM
	10	ES	LEB
	17	ES	LEB
	9,10,14	CK,ES	LEB,WET
	9,10,14	CK,ES	LEB,WET
	9,17	ES	LEB,VES

	SOURCE	LOCATION	HABITAT
Family Coenagrionidae (continued)			
• <i>Nehalennia irene</i> Hagen, 1861 * green damsel	14	ES	LKS
• coenagrionid sp. * narrow-winged damselfly	15,17a	ES	UWD
Family Calopterygidae (broad-winged damselflies)			
• <i>Calopteryx maculata</i> (Beauvais, 1805) [= <i>Agrion maculatus</i>] * blackwinged damselfly	3,14,15,17a	CK,TR	RAV,UWD
• <i>Calopteryx</i> sp. Leach, 1815 * bandwing damselfly	17a	ES	LEB,UWD
• <i>Hetaerina americana</i> (Fabricius, 1798) * American ruby spot	17a	ES	UWD
• calopterygid sp. * broad-winged damselfly	17a	ES	UWD
Suborder Anisoptera (dragonflies)			
Family Gomphidae (clubtails)			
• <i>Dromogomphus spoliatus</i> Hagen, 1857 * spinylegged clubtail	17a	TR	STM
• <i>Dromogomphus spinosus</i> Sely, 1854 * spinylegged clubtail	17a	TR	STM
• <i>Hagenius brevistylus</i> Sely, 1854 * black dragonfly	17a	TR	STM
Family Aeshnidae (darners)			
• <i>Anax junius</i> (Drury, 1770) * big green darner	3,14,15,17a	ES,CK	CGS,UWD
• <i>Aeshna</i> sp. Fabricius, 1775 * blue darner or paddletail	17a	ES	LEB
Family Corduliidae (green-eyed skimmer)			
• <i>Epiheca princeps</i> (Hagen, 1861) * royal skimmer	14	ES	WET
• corduliid sp. * emerald dragonfly	15	CK	UWD
Family Libellulidae (common skimmers)			
• <i>Celithemis elisa</i> Hagen, 1861 * spotted skimmer or calico pennant	14,15	CK,TR	UWD,WET
• <i>Erythemis simplicicollis</i> (Say, 1839) * eastern pondhawk	3,14,15,17a	CK,ES,TR	OGS,UWD,WET
• <i>Leucorrhinia</i> sp. Brittinger, 1850 * whitefaced skimmer	9	ES	LEB
• <i>Libellula luctuosa</i> Burmeister, 1839 * widow dragonfly	3,14,15,17a	CK,TR	LKS,UWD,STM
• <i>Libellula pulchella</i> Drury, 1773 * tenspot dragonfly	3,15,17a	CK,ES	STM,WET
• <i>Libellula</i> sp. Linnaeus, 1758 * skimmer dragonfly	17a	ES	WET
• <i>Pachydiplax longipennis</i> (Burmeister, 1839) * blue pirate	14	ES	WET
• <i>Pantala flavescens</i> (Fabricius, 1798) * yellow skimmer	17a	TR	STM
• <i>Pantala hymenea</i> (Say, 1839) * globe skimmer	3,14,17a	CK,ES,TR	LEB,LKS,STM
• <i>Perithemis tenera</i> (Say, 1839) * eastern amber-winged skimmer	14,15,17a	CK,ES,TR	STM,WET
• <i>Plathemis lydia</i> (Drury, 1770) * common white-tailed skimmer	3,15,17a	CK,TR	STM
• <i>Sympetrum semicinctum</i> Say, 1839 * red skimmer	14	TR	WET
• <i>Sympetrum rubicundulum</i> Say, 1839 * red skimmer	17a	TR	STM
• <i>Tramea lacerata</i> Hagen, 1861 * raggedy skimmer	14	TR	WET
• <i>Tramea onusta</i> Hagen, 1861 * red saddlebags dragonfly	15	CK	STM
Family Macromiidae (belted & river skimmers)			
• <i>Macromia illinoensis</i> Walsh, 1862 * river skimmer	17a	TR	STM
• <i>Macromia taeniolata</i> Rambur, 1842 * river skimmer	17a	TR	STM
ORDER BLATTARIA (cockroaches)			
Family Blattidae (common cockroaches)			
• <i>Blatta orientalis</i> ? Linnaeus * Oriental cockroach	15	CK	UWD
• <i>Periplaneta americana</i> ? (Linnaeus) * American cockroach	15	CK	UWD
Family Blattellidae (small cockroaches)			
• <i>Parcoblatta</i> sp.? (De Geer) * wood cockroach	15	CK	UWD
ORDER MANTODEA (mantids)			
Family Mantidae (praying mantids)			
• <i>Tenodera aridifolia sinensis</i> Saussure * Chinese mantid or praying mantis	15,17	CK,TR	RUL,UWD

ORDER ISOPTERA (termites)

Family Rhinotermitidae

• *Reticulitermes flavipes* (Kollar) * eastern subterranean termite

SOURCE	LOCATION	HABITAT
15	CK	UWD

ORDER ORTHOPTERA (crickets & grasshoppers)

Suborder Ensifera (crickets)

Family Gryllacrididae (camel crickets)

• *Ceuthophilus* sp. Scudder * camel or cave cricket

15	CK	UWD
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Family Tettigoniidae (katydids)

• *Microcentrum rhombifolium* (Saussure, 1859)
* broad-winged katydid

15	CK	UWD
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• *Pterophylla camellifolia* (Fabricius, 1775) * northern katydid

15	CK	UWD
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Family Gryllotalpidae (mole crickets)

• *Neocurtilla hexadactyla* (Perty, 1832) * northern mole cricket

15	CK	UWD
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• *Neocurtilla* sp. Kirby * mole cricket

17a	ES	WET
-----	----	-----

Family Gryllidae (true crickets)

• *Gryllus* sp. Linnaeus * field cricket

15	CK	UWD
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• gryllid sp. * tree cricket

15,17a	CK,ES	UWD
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Suborder Caelifera (grasshoppers)

Family Acrididae (short-horned grasshoppers)

• acridid sp. * eastern lubber grasshopper

15	CK	UWD
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• cyrtacanthacridin sp. * spur-throated grasshopper

15	CK	UWD
----	----	-----

• oedipidin sp. * band-winged grasshopper

15	CK	UWD
----	----	-----

Family Tetrigidae (pygmy grasshoppers)

• *Nomotettix cristatus* (Scudder, 1863) * pygmy grasshopper

17a	TR	STM
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• *Paratettix cucullatus* (Burmeister, 1838) * pygmy grasshopper

17a	TR	STM
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• tetrigid sp. * pygmy grasshopper

15	CK	UWD
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Family Tridactylidae (pygmy mole crickets)

• *Ellipes minuta minuta* (Scudder, 1863) * pygmy mole cricket

17a	ES,TR	STM,WET
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• tridactylid sp. * pygmy mole cricket

17a	ES	LKS
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ORDER DERMAPTERA (earwigs)

Family Labiduridae

• *Euborellia annulipes?* (Lucas, 1847) * ring-legged earwig

17	TR	RUL
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Family Labiidae

• *Labia* sp.? Leach * little earwig

15,17	CK	LWD
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Family Forficulidae

• *Forficula auricularia?* Linnaeus, 1758 * European earwig

15	CK	LWD
----	----	-----

• forficulid sp. * earwig

17a	ES	LWD
-----	----	-----

ORDER PLECOPTERA (stoneflies)

Family Nemouridae (nemourid broadbacks)

• nemourid sp. * broadback stonefly

15	CK	STM
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Family Capniidae (slender winter stoneflies)

• *Allocapina recta* Claassen * spring stonefly

6	CK	STM
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• *Allocapina vivapara* Claassen * spring stonefly

6	CK	STM
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• capniid sp. * winter stonefly

9,15	CK,ES	LEB,STM
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Family Taeniopterygida (taeniopterygid broadbacks)

• taeniopterygid sp. * broadback stonefly

15	CK	STM
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Family Perlidae (common stoneflies)

• *Acroneuria* sp.? Pictet, 1841 * stonefly

17a	TR	STM
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• *Neoperla* sp. Needham, 1905 * stonefly

17a	TR	STM
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• *Neophasganophora* sp.? Lestage, 1922 * great stonefly

17a	TR	STM
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• *Paragnetina* sp.? Klapalek, 1907 * stonefly

17a	CK,TR	STM
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	SOURCE	LOCATION	HABITAT
Family Perlidae (continued)			
• <i>Perlesta</i> sp. Banks, 1906 * stonefly	17a	TR	STM
• <i>Perlinella</i> sp. Banks, 1900 * stonefly	17a	TR	STM
Family Perlodidae (perlodid stoneflies)			
• <i>Isoperla duplicata</i> Banks * green-winged stonefly	6	CK	STM
• <i>Isoperla</i> sp. Banks, 1906 * stonefly	6,17a	CK	STM
Family Chloroperlidae (green stoneflies)			
• chloroperlid sp. * green stonefly	15	CK	STM
ORDER THYSANOPTERA (thrips or woodworms)			
Suborder Terebrantia			
Family Aeolothripidae (banded thrips)			
• aeolothripid sp. * banded thrips	15	CK	LWD
Family Thripidae (common thrips)			
• thripid sp. * thrips	17a	ES	LWD
Suborder Tubulifera			
Family Phlaeothripidae (three-tailed thrips)			
• phlaeothripid sp. * mullin thrips	15	CK	LWD
ORDER HEMIPTERA (true bugs)			
Family Nepidae (water scorpions)			
• <i>Nepa</i> sp. Linnaeus, 1758 * oval water scorpion	17a	TR	STM
• <i>Ranatra fusca</i> Palisot de Beauvis, 1805 * water scorpion	10	ES	LEB
• <i>Ranatra nigra</i> Herrich-Schaffer, 1853 * water scorpion	10	ES	LEB
• <i>Ranatra</i> sp. Fabricius, 1790 * sticklike water scorpion	10,17a	ES,TR	LEB,STM
Family Belostomatidae (giant water bugs)			
• <i>Belostoma flumineum</i> Say, 1831 * giant water bug	10	ES	LEB
• <i>Belostoma</i> sp. Latreille, 1807 * giant water bug	9	ES	LEB,VES
Family Corixidae (water boatmen)			
• <i>Corisella inscripta</i> (Uhler, 1894) * water boatman	10	ES	LEB
• <i>Hesperocorixa lucida</i> (Abbott, 1916) * water boatman	10	ES	LEB
• <i>Hesperocorixa</i> sp. Kirkaldy, 1908 * water boatman	17a	TR	STM
• <i>Palmacorixa buenoi</i> Abbott, 1913 * water boatman	10	ES	LEB
• <i>Palmacorixa nana</i> Walley, 1936 * water boatman	10	ES	LEB
• <i>Palmacorixa</i> sp. Abbott, 1912 * water boatman	9,10	ES	LEB
• <i>Sigara alternata</i> (Say, 1832) * water boatman	10	ES	LEB
• <i>Sigara modesta</i> (Abbott, 1916) * water boatman	10	ES	LEB
• <i>Sigara</i> sp. Fabricius, 1775 * water boatman	9,17a	CK,ES,TR	LEB,STM,VES
• <i>Trichocorixa calva</i> (Say, 1832) * water boatman	10	ES	LEB,
• <i>Trichocorixa kanza</i> Sailer, 1948 * water boatman	10	ES	LEB,
• <i>Trichocorixa</i> sp. Kirkaldy, 1908 * water boatman	3,9,17,17a	CK,ES	LEB,VES,STM
• corixid sp. * water boatman	15	CK	STM
Family Gelastocoridae (toad bugs)			
• <i>Gelastocoris</i> sp. Kirkaldy, 1897 * toad bug	17a	TR	STM
• gelastocorid sp. * toad bug	15	CK	STM
Family Naucoridae (creeping water bugs)			
• <i>Pelocoris</i> sp. Stål, 1876 * creeping water bug	8,17	ES	LEB
Family Notonectidae (backswimmers)			
• <i>Notonecta irrorata</i> Uhler, 1879 * backswimmer	10	ES	LEP
• <i>Notonecta raleighi lunata</i> Hungerford, 1926 * backswimmer	10	ES	LEP
• <i>Notonecta undulata</i> Say, 1832 * backswimmer	9,10	ES	LEP
• notonectid sp. * backswimmer	15	CK	STM

	SOURCE	LOCATION	HABITAT
Family Mesoveliidae (water treaders)			
• <i>Mesovelia mulsanti</i> White, 1879 * water treader	10	ES	LEP
• <i>Mesovelia</i> sp. Mulsant & Rey, 1852 * water treader	9	ES	LEP
Family Hydrometridae (water measurers)			
• <i>Hydrometra martini</i> Kirkaldy, 1900 * water measurer	10	ES	LEB
• <i>Hydrometra</i> sp. Lamarck, 1807 * water measurer	17a	CK	STM
Family Hebridae (velvet water bugs)			
• <i>Merragatasp.</i> White, 1877 * velvet water bug	17a	TR	STM
• hebrid sp. * velvet water bug	15	CK	STM
Family Veliidae (small water striders)			
• <i>Microvelia</i> sp. Westwood, 1834 * small water strider	3,17a	CK,TR	STM
• <i>Rhagovelia</i> sp. Mayr, 1865 * small water strider	3,17a	CK,TR	STM
Family Gerridae (water striders)			
• <i>Aquarius</i> sp. Schellenberg * water strider	17a	TR	STM
• <i>Gerris buenoi</i> Kirkaldy, 1911 * water strider	10	ES	LEP
• <i>Gerris canaliculatus</i> Say, 1831 * water strider	17	ES	LEP
• <i>Gerris comatus</i> Drake & Hottes, 1925 * water strider	10	ES	LEP
• <i>Gerris marginatus</i> Say, 1832 * water strider	10	ES	LEP
• <i>Gerris remigis</i> Say, 1832 * water strider	17A	ES	LEP
• <i>Gerris</i> sp. Fabricius, 1794 * water strider	3,9,15,17a	CK,ES	LEP,STM
• <i>Metrobates hesperius</i> Uhler, 1871 * water strider	17a	TR	STM
• <i>Metrobates</i> sp. Uhler, 1871 * rifle water strider	3,17a	CK,ES,TR	LEP,STM
• <i>Rheumatobates</i> sp. Bergroth, 1892 * water strider	17a	TR	STM
• <i>Trepobates</i> sp. Uhler, 1894 * water strider	3,9,15,17a	CK,ES,TR	LEP,STM,VES
Family Saldidae (shore bugs)			
• <i>Micracanthiasp.</i> Reuter, 1912 * shore bug	3,17a	CK,ES	LKS,STM
Family Tingidae (lace bugs)			
• <i>Corythuca pruni</i> Osborn & Drake * lace bug	15	CK	LWD
• tingid sp. * lace bug	17a	ES	LWD
Family Miridae (leaf or plant bugs)			
• <i>Leptoptera dolabrata</i> (Linnaeus) * meadowplant bug	15	CK	LWD
• <i>Lygus lineolaris?</i> (Beauvois) * tarnished plant bug	15	CK	LWD
• <i>Peocilocapsus lineatus</i> Fabricius * four-lined leaf bug	15	CK	LWD
• mirid sp. * plant bug	17a	CK,ES	LWD
Family Nabidae (damselfly bugs)			
• <i>Hoplistoscelus sordidus</i> (Reuter) * damselfly bug	15	CK	LWD
• <i>Lasiomerus</i> sp. (Reuter) * damselfly bug	15	CK	LWD
• <i>Nabis</i> sp. Latreille, 1802 * damselfly bug	15	CK	LWD
• nabid sp. * damselfly bug	15	CK	LWD
Family Anthocoridae (flower bugs)			
• <i>Orius insidiosus</i> (Say) * insidious flower bug	15	CK	LWD
Family Phymatidae (ambush bugs)			
• <i>Phymata pennsylvanica</i> Handlirsh * ambush bug	15	CK	LWD
Family Reduviidae (assassin bugs)			
• <i>Sinea diadema</i> (Fabricius) * assassin bug	15	CK	LWD
• <i>Zelus exsanguis</i> (Stål) * assassin bug	15	CK	LWD
• reduviid sp.? * assassin bug	15	CK	LWD
Family Aradidae (flat or fungus bugs)			
• <i>Aradus</i> sp. Fabricius, 1803 * flat bug	15	CK	LWD
• aradid sp. * flat bug	15	CK	LWD

	SOURCE	LOCATION	HABITAT
Family Lygaeidae (seed bugs)			
• <i>Geocoris uliginosis</i> (Say) * big-eyed bug	15	CK	UWD
• <i>Lygaeus kalmii</i> Stål * small milkweed bug	15	CK	UWD
• <i>Myodocha serripes</i> Oliver * seed bug	15	CK	UWD
• lygaeid sp. * seed bug	17a	ES	UWD
Family Coreidae (leaf-footed bugs)			
• <i>Anasa tristis</i> (De Geer) * squash bug	15	CK	UWD
• <i>Leptoglossus oppositus?</i> Say * lead-footed bug	15	CK	UWD
Family Alydidae (broad-headed bugs)			
• alydid sp. * broad-headed bug	15	CK	UWD
Family Rhopalidae (scentless plant bugs)			
• <i>Arhyssus lateralis</i> (Say) * scentless plant bug	15	CK	UWD
• <i>Leptocoris trivittatus</i> (Say) * boxelder bug	15	CK	UWD
Family Cydnidae (burrower bugs)			
• cydnid sp. * burrower bug	15	CK	UWD
Family Thyreocoridae (negro bugs)			
• thyreocorid sp. * negro bug	15	CK	UWD
Family Scutelleridae (shield-backed bugs)			
• scutellerid sp. * shield-backed bug	17a	ES	UWD
Family Pentatomidae (stink bugs)			
• <i>Euschistus icterius</i> (Linnaeus) * green stink bug	15	CK	UWD
• <i>Thyanta pallido-virens</i> (Stål) * green stink bug	15	CK	UWD
• pentatomid sp. * gray stink bug	15	CK	UWD
ORDER HOMOPTERA (cicadas, leafhoppers & aphids)			
Family Acanaloniidae (planthoppers)			
• acanaloniid sp. * planthopper	15	CK	UWD
Family Cercopidae (froghoppers & spittlebugs)			
• <i>Philaenus spumarius</i> (Linnaeus) * meadow spittlebug	15	CK	UWD
• cercopid sp. * froghopper	15,17a	CK,ES	UWD
Family Cicadidae (cicadas or harvestflies)			
• <i>Tibicen canicularis</i> Harris * dog day cicada	15	CK	UWD
• <i>Tibicen linnei</i> (Smith & Grossbeck) * dog day cicada	15	CK	UWD
• cicadid sp. * cicada	17a	ES	UWD
Family Cicadellidae (leafhoppers)			
• <i>Draeculacephala mollipes</i> (Say) * cicadelin leafhopper	15	CK	UWD
• <i>Empoasca fabae</i> (Harris) * potato leafhopper	15	CK	UWD
• <i>Graphocephala coccinea</i> (Foerster) * colorful leafhopper	15	CK	UWD
• <i>Penthima americana</i> Fitch * gyponin leafhopper	15	CK	UWD
• <i>Typhlocyba pomaria</i> (McAtee) * white apple leafhopper	15	CK	UWD
• cicadellid spp. [5] * leafhoppers	15,17a	CK,ES	UWD
Family Membracidae (treehoppers)			
• membracid sp. * treehopper	15,17a	CK,ES	UWD
Family Psyllidae (jumping plantlice)			
• <i>Cacopsylla pyricola</i> (Foerster) * pear psylla	15	CK	UWD
• <i>Pachypsylla celtidismamma</i> Riley * hackberry nipple gall	15	CK	UWD
Family Aphididae (aphids)			
• <i>Aphis pomi</i> De Geer * green apple aphid	15	CK	UWD
• <i>Dysaphis plantaginea</i> (Passerini) * rosy apple aphid	15	CK	UWD
• <i>Eriosoma lanigerum</i> (Hausmann) * wooly aphid	15	CK	UWD
• <i>Melaphis rhois?</i> (Fitch) * sumac gall	15	CK	UWD
• <i>Myzus cerasi</i> (Fabricius) * black cherry aphid	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Aphididae (continued)			
• <i>Myzus persicae</i> (Sulzer) * green peach aphid	15	CK	UWD
• <i>Periphyllus lyropictus</i> (Kessler) * Norway maple aphid	15	CK	UWD
• aphid sp. * red aphid	15	CK	UWD
Family Adelgidae [=Chermidae] (pine & spruce aphids)			
• <i>Adelges abeitis</i> (Linnaeus) * eastern spruce gall adelgid	15	CK	UWD
• <i>Adelges cooleyi</i> Gillette * Cooley spruce gall adelgid	15	CK	UWD
Family Phylloxeridae (bark & gall aphids)			
• <i>Daktulosphaira vitifoliae</i> (Fitch) * grape phylloxera	15	CK	UWD
• <i>Phylloxera caryaecaulis?</i> Fitch * shag-bark hickory gall	15	CK	UWD
Family Diaspididae (armored scales)			
• <i>Quadraspidotus perniciosus</i> (Comstock) * San Jose scale	15	CK	UWD
ORDER NEUROPTERA (nerve-wing insects)			
Suborder Megaloptera (dobsonflies & alderflies)			
Family Corydalidae (dobsonflies or hellgrammites)			
• <i>Chauliodes</i> sp. Latreille * hellgrammite or fishfly	9,17a	CK,ES	LEB,STM
• <i>Corydalus cornutus</i> (Linnaeus) * hellgrammite	17a	CK,TR	STM
• <i>Corydalus</i> sp. Latreille * dobsonfly	15,17a	CK,TR	STM
• corydalid sp. * fishfly	15	CK	STM
Family Sialidae (alderflies)			
• <i>Sialis infumata</i> Newman * alderfly	17a	TR	STM
• <i>Sialis</i> sp. Latreille * alderfly	6,9,15,17a	CK,ES,TR	LEB,STM
Suborder Planipennia (dustywings & lacewings)			
Family Coniopterygidae (dustywings)			
• coniopterygid sp. * dustywing	15	CK	UWD
Family Sisyridae (spongillafly)			
• <i>Climacias</i> sp. McLachlan * spongillafly	17,17a	LE,TR	LKB,LKS,STM
Family Hemerobiidae (brown lacewings)			
• hemerobiid sp. * brown lacewing	15	CK	UWD
Family Chrysopidae (green lacewings)			
• <i>Chrysopa oculata</i> Say * golden eye, green lacewing	15	CK	UWD
• chrysopid sp. * lacewing	17a	ES	UWD
ORDER COLEOPTERA (beetles)			
Family Carabidae (predaceous ground beetles) [=Cicindelidae]			
• <i>Brachinus</i> sp.? Weber, 1801 * bombardier ground beetle	15	CK	UWD
• <i>Calathus</i> sp. Bonelli, 1810 * ground beetle	15	CK	UWD
• <i>Cicindela</i> sp. Linnaeus, 1758 * tiger beetle	15	CK	UWD
• <i>Elaphrus ruscarius</i> Say * marsh or bog beetle	15	CK	WET
• <i>Harpalus compar</i> LeConte * ground beetle	15	CK	UWD
• <i>Harpalus herbivagus</i> Say * ground beetle	15	CK	UWD
• <i>Platynus placidus</i> (Say) * ground beetle	15	CK	UWD
• <i>Scarites subterraneus?</i> Fabricius, 1787 * ground beetle	15	CK	UWD
• <i>Stenolophus</i> sp.? Dejean, 1829 * ground beetle	15	CK	UWD
• carabid sp. * ground beetle	15,17a	CK,ES	LEB,UWD
Family Haliplidae (crawling water beetles)			
• <i>Haliphus borealis</i> LeConte * crawling water beetle	10	ES	LEB
• <i>Haliphus immaculicollis</i> Harris * crawling water beetle	10	ES	LEB
• <i>Haliphus triopsis</i> Say, 1823 * crawling water beetle	10,17a	ES,TR	LEB,STM
• <i>Haliphus</i> sp. Latreille, 1802 * crawling water beetle	17,17a	ES,TR	LEB,STM

	SOURCE	LOCATION	HABITAT
Family Haliplidae (continued)			
• <i>Peltodytes duodecimpunctatus</i> (Say) * crawling water beetle	10	ES	LEB
• <i>Peltodytes edentulus</i> (LeConte) * crawling water beetle	10	ES	LEB
• <i>Peltodytes lengi</i> Roberts * crawling water beetle	10	ES	LEB
• <i>Peltodytes muticus</i> (LeConte) * crawling water beetle	10	ES	LEB
• <i>Peltodytes sexmaculatus</i> Roberts * crawling water beetle	10	ES	LEB
• <i>Peltodytes</i> sp. Régimbart, 1878 * crawling water beetle	9	ES	VES
Family Noteridae (burrowing water beetles)			
• <i>Hydrocanthus iricolor</i> Say * burrowing water beetle	10	ES	LEB
• noterid sp. * burrowing water beetle	12,17a	ES	LEB
Family Dytiscidae (predaceous diving beetles)			
• <i>Acilius sylvanus</i> Hilsenhoff * striped diving beetle	10	ES	LEB
• <i>Acilius</i> sp. Leach, 1817 * striped diving beetle	3,17a	CK	STM
• <i>Agabus</i> sp. Leach, 1817 * diving beetle	3,17a	CK,ES	LEB,STM
• <i>Bidessus</i> sp. Sharp, 1882 * diving beetle	17	ES	LEB
• <i>Copelatus glyphicus</i> (Say) * diving beetle	10	ES	LEB
• <i>Copelatus</i> sp. Erichson, 1832 * diving beetle	17a	ES	LEB
• <i>Coptotomus lenticus</i> Hilsenhoff, 1980 * diving beetle	10	ES	LEB
• <i>Dytiscus fasciventris</i> Say, 1824 * diving beetle	17a	ES	LEB
• <i>Dytiscus</i> sp. Linnaeus, 1758 * diving beetle	3,6,17,17a	CK,ES	LEB
• <i>Heterosternuta wickhami</i> (Zaitzev) * diving beetle	10	ES	LEB
• <i>Hydroporus niger</i> Say * diving beetle	10	ES	LEB
• <i>Hydroporus</i> sp. Clairville, 1806 * diving beetle	9,15	CK,ES	LEB,STM
• <i>Hydrovatus</i> sp. Motschulsky, 1855 * diving beetle	3,17a	CK,ES	LEB
• <i>Hygrotus dissimilis</i> Gemminger & Harold * diving beetle	10	ES	LEB
• <i>Hygrotus impressopunctatus</i> Schaller * diving beetle	10	ES	LEB
• <i>Hygrotus sayi</i> Balfour-Browne * diving beetle	10	ES	LEB
• <i>Ilybius</i> sp. Erichson, 1832 * diving beetle	17a	CK	STM
• <i>Laccophilus maculosus maculosus</i> Say * diving beetle	10	ES	LEB
• <i>Laccophilus</i> sp. Leach, 1817 * diving beetle	3,9,17a	CK	LEB
• <i>Neoporus</i> sp. Wolfe, 1984 * diving beetle	10	ES	LEB
• <i>Rhantus</i> sp. Dejean, 1833 * diving beetle	17a	CK	STM
• dytiscid sp. * predaceous diving beetle	17a	CK	STM
Family Gyridae (whirligig beetles)			
• <i>Dineutus assimilis</i> Kirby * whirligig beetle	10	ES	LEB
• <i>Dineutus</i> sp. Macleary, 1825 * whirligig beetle	3,9,17a	CK,ES	LEB,VES
Family Leiodidae [=Leptodiridae] (round fungus beetles)			
• leptodirin sp. * small carrion beetle	15	CK	UWD
Family Silphidae (carrion beetles)			
• <i>Silpha americana</i> Linnaeus * carrion beetle	15	CK	UWD
Family Staphylinidae (rove beetles)			
• <i>Bledius</i> sp. Leach, 1819 * rove beetle	17a	TR	STM
• <i>Creophilus maxillosus</i> (Linnaeus) * rove beetle	15	CK	UWD
• <i>Homaeotarsus</i> sp.? Hochhuth * rove beetle	15	CK	UWD
• <i>Paederus littorarius</i> Gravenhorst * rove beetle	15	CK	UWD
• <i>Quedius</i> sp? Stephens, 1829 * large rove beetle	15	CK	UWD
• <i>Staphylinus</i> sp. Linnaeus * rove beetle	15	CK	UWD
• <i>Stenus</i> sp. Latreille, 1796 * rove beetle	17a	CK,TR	STM
• staphylinid sp. * rove beetle	17a	ES	UWD
• tachyporin sp. * rove beetle	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Hydrophilidae (water scavenger beetles)			
• <i>Anacaena limbata</i> (Fabricius) * water scavenger beetle	10	ES	LEB
• <i>Berosus fraternus</i> LeConte * water scavenger beetle	10	ES	LEB
• <i>Berosus infuscatus</i> LeConte * water scavenger beetle	10	ES	LEB
• <i>Berosus peregrinus</i> (Herbst) * water scavenger beetle	10	ES	LEB
• <i>Berosus striatus</i> (Say, 1825) * water scavenger beetle	10,17	ES	LEB
• <i>Berosus</i> sp. Leach, 1817 * water scavenger beetle	3,17a	CK	RAV
• <i>Cymbiodyta</i> sp. Bedel, 1881 * water scavenger beetle	10	ES	LEB
• <i>Enochrus hamiltoni</i> (Hom) * water scavenger	10	ES	LEB
• <i>Enochrus ochraceus</i> (Melsheimer, 1844) * water scavenger	10,15	CK,ES	LEB,STM
• <i>Enochrus perplexus</i> (LeConte) * water scavenger	10	ES	LEB
• <i>Enochrus pygmaeus nebulosus</i> (Say) * water scavenger	10	ES	LEB
• <i>Enochrus sayi</i> Gundersen * water scavenger	10	ES	LEB
• <i>Enochrus</i> sp. Thomson, 1859 * water scavenger beetle	17a	CK	STM
• <i>Helophorus lineatus</i> Say * water scavenger beetle	10	ES	LEB
• <i>Helophorus orientalis</i> Motschulsky * water scavenger beetle	10	ES	LEB
• <i>Helophorus marginicollis</i> Smetana * water scavenger beetle	10	ES	LEB
• <i>Helophorus</i> sp. Fabricius, 1775 * water scavenger beetle	9,15	CK,ES	LEB,UWD
• <i>Hydrobius fuscipes</i> (Linnaeus) * water scavenger beetle	10	ES	LEB
• <i>Hydrochara leechi</i> Smetana * water scavenger beetle	10	ES	LEB
• <i>Hydrochara obtusata</i> Say, 1823 * water scavenger beetle	3,9,10,17a	CK,ES,TR	LEB,STM
• <i>Hydrochara</i> sp. Berthold, 1827 * water scavenger beetle	10	ES	LEB
• <i>Hydrophilus</i> sp. Geoffrey, 1762 * water scavenger beetle	17a	TR	STM
• <i>Laccobius</i> sp. Erichson, 1837 * water scavenger beetle	9	ES	LEB
• <i>Paracymus subcupreus</i> (Say) * narrow w. s. beetle	10	ES	LEB
• <i>Tropisternus lateralis nimbatu</i> s (Say, 1823)* narrow w. s. beetle	10,17,17a	ES,TR	LEB,STM
• <i>Tropisternus natator</i> d'Orchymont * narrow w. s. beetle	10	ES	LEB
• <i>Tropisternus</i> sp. Solier, 1834 * narrow water scavenger beetle	3,9,17a	CK,ES,TR	LEB,STM,VES
Family Histeridae (hister beetles)			
• <i>Hister foedatus?</i> LeConte* hister beetle	15	CK	UWD
• <i>Saprinus</i> sp. Erichson, 1834 * hister beetle	15	CK	UWD
Family Scirtidae [=Helodidae] (marsh beetles)			
• <i>Cyphon</i> sp. Paykull, 1799 * marsh beetle	9	ES	LEB
Family Lucanidae (stag beetles)			
• <i>Pseudolucanus</i> sp. Hope, 1845 * pinching beetle	15	CK	UWD
Family Scarabaeidae (scarab & dung beetles)			
• <i>Aphodius</i> sp. Illiger, 1798 * dung beetle	15	CK	UWD
• <i>Euphoria inda?</i> Linnaeus * bumblebee flower beetle or fruit chafer	15	CK	UWD
• <i>Hoplia</i> sp. Illiger, 1803 * grapevine beetle	15	CK	UWD
• <i>Macrodactylus subspinosus</i> (Fabricius) * rose chafer	15	CK	UWD
• <i>Pelidnota punctata</i> (Linnaeus) * grapevine beetle	15	CK	UWD
• <i>Phyllophaga</i> spp. Harris [2] * June beetles or junebugs	15	CK	UWD
• <i>Popilia japonica</i> (Newman, 1841) * Japanese beetle	15	CK	UWD
• melolonthin sp. * May beetle	15	CK	UWD
Family Buprestidae (metallic wood borers)			
• <i>Chrysobothris femorata</i> (Oliver) * flat-headed apple tree borer	15	CK	UWD
Family Heteroceridae (mud-loving beetles)			
• <i>Heterocerus</i> sp. Fabricius, 1792 * variegated mud-loving beetle	17a	ES,TR	STM,UWD
Family Dryopidae (long-toed water beetles)			
• <i>Helichus</i> sp. Erichson, 1847 * long-toed water beetle	6	CK,ES	LEB

	SOURCE	LOCATION	HABITAT
Family Elmithidae [=Elmidae] (riffle beetles)			
• <i>Ancyronyx variegatus</i> Germar, 1824 * riffle beetle	17a	TR	STM
• <i>Dubiraphia bivittata</i> (LeConte) * riffle beetle	10	ES	LEB
• <i>Dubiraphia</i> sp. Sanderson, 1954 * riffle beetle	9,17a	ES,TR	LEB,STM
• <i>Microcylloepus</i> sp. Hinton, 1935 * riffle beetle	9	ES	LEB
• <i>Stenelmis crenata</i> (Say) * riffle beetle	10	ES	LEB
• <i>Stenelmis</i> sp. Dufour, 1835 * riffle beetle	17a	CK,TR	STM
• elmid sp. (Westwood, 1838) * riffle beetle	6,12,15,17a	CK,ES,TR	LEB,STM
Family Psephenidae (water-penny beetles)			
• <i>Psephenus herricki</i> (DeKay, 1844) * water-penny beetle	3,6,15,17,17a	CK,TR	RAV,STM
Family Elateridae (click beetles & wireworms)			
• <i>Colaulon</i> sp. Arnett * click beetle	15,17a	CK,ES	UWD
• <i>Melanotus</i> sp. Esdhscholtz * click beetle	15	CK	UWD
Family Lampyridae (fireflies & glowworms)			
• <i>Ellychnia</i> sp. LeConte, 1851 * firefly or lightningbug	15	CK	UWD
• <i>Lucidota atra</i> (Fabricius) * firefly or lightningbug	15	CK	UWD
• <i>Lucidota punctata</i> LeConte, 1833 * firefly or lightningbug	15	CK	UWD
• <i>Photinus pyralis</i> (Linnaeus) * firefly or lightningbug	15	CK	UWD
• <i>Photuris pennsylvanica</i> (De Geer) * firefly or lightningbug	15	CK	UWD
• lampyrid sp. * firefly	15	CK	UWD
Family Cantharidae (soldier beetles)			
• <i>Cantharis bilineatus</i> Say * soldier beetle	15	CK	UWD
• <i>Chauliognathus marginata</i> Fabricius * soldier beetle	15	CK	UWD
• <i>Chauliognathus pennsylvanicus?</i> (De Geer) * soldier beetle	15	CK	UWD
• <i>Podabrus flavicollis?</i> LeConte * soldier beetle	15	CK	UWD
• <i>Podabrus modestus?</i> (Say) * soldier beetle	15	CK	UWD
Family Derodontidae (tooth-necked fungus beetles)			
• <i>Derodontus</i> sp. LeConte, 1861 * tooth-necked fungus beetle	15	CK	UWD
Family Dermestidae (skin beetles)			
• <i>Anthrenus scrophulariae?</i> (Linnaeus) * carpet beetle	15	CK	UWD
• <i>Dermestes lardarius?</i> Linnaeus * larder beetle	15	CK	UWD
Family Bostrichidae [=Lyctidae] (branch & twig borers)			
• lyctin sp.? * powder-post beetle	15	CK	UWD
Family Cleridae (checkered beetles)			
• clerid sp.? * checkered beetle	15	CK	UWD
Family Melyridae (soft-winged flower beetles)			
• melyrid sp. * soft-winged flower beetle	15	CK	UWD
Family Nitidulidae (sap beetles)			
• <i>Carpophilus</i> sp. Stephens, 1829 * carpophilin sap beetle	15	CK	UWD
• <i>Glischrochilus fasciatus</i> (Oliver) * cryptarchin sap beetle	15	CK	UWD
• <i>Stelidota octomaculata</i> (Say) * tiny sap beetle	15	CK	UWD
• nitidulid sp. * sap beetle	15	CK	UWD
Family Cucujidae (flat bark beetles)			
• <i>Brontes</i> sp.? Fabricius * flat bark beetle	15	CK	UWD
• <i>Telephanus velox?</i> Haldemann * flat bark beetle	15	CK	UWD
• cucujid sp. * flat bark beetle	17a	ES	UWD
Family Erotylidae (pleasing fungus beetles)			
• erotylid sp.? * pleasing fungus beetle	15	CK	UWD
Family Phalacridae (shining flower beetles)			
• phalacrid sp.? * shining mold beetle	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Coccinellidae (lady beetles or ladybugs)			
• <i>Chilocorus stigma</i> (Say) * twice-stabbed ladybug	15	CK	UWD
• <i>Coleomegilla</i> sp. Timberlake, 1920 * ladybird beetle	15	CK	UWD
• <i>Epilachna varivestis</i> Mulsant * Mexican bean beetle	15	CK	UWD
• <i>Harmonia axyridis</i> (Pallas) * Asiatic lady beetle	15	CK	UWD
• <i>Hippodamia convergens</i> ? Guérin-Meneville * covergent ladybird beetle	15	CK	LWD
• <i>Stethorus punctum</i> LeConte * black lady beetle	15	CK	UWD
Family Endomychidae (handsome fungus beetles)			
• endomychid sp. * handsome fungus beetle	15	CK	UWD
Family Tenebrionidae (darkling ground beetles)			
• <i>Alobates pensylvanica</i> ? De Geer * darkling beetle	15	CK	UWD
• <i>Bolitotherus cornutus</i> (Panzer) * horned fungus beetle	15,17	CK	UWD
Family Meloidae (blister beetles)			
• <i>Epicauta</i> sp. Dejean, 1834 * blister beetle	15	CK	UWD
• <i>Latta aenea</i> ? (Say) * blister beetle	15	CK	UWD
Family Salpingidae (narrow-waisted bark beetles)			
• salpingid sp. [adult] * narrow-waisted bark beetle	9	ES	WET
Family Anthicidae (ant-like flower beetles)			
• <i>Anthicus</i> sp.? Paykull, 1798 * ant-like flower beetle	15	CK	UWD
Family Cerambycidae (long-horned or timber beetles)			
• <i>Cyrtophorus verrucosus</i> (Oliver) * long-horned beetle	15	CK	UWD
• <i>Elaphidionoides</i> sp. Linsley, 1957 [= <i>Elaphidion</i> Serville, 1834] * longhorn twig pruner beetle	15	CK	UND
• <i>Megacyllene robiniae</i> (Forster) * locust borer	15	CK	UWD
• <i>Oberea bimaculata</i> (Olivier) * raspberry cane borer	15	CK	UWD
• <i>Parandra brunnea</i> (Fabricius) * pole borer	15	CK	UWD
• <i>Tetraopes</i> sp. Serville, 1835 * milkweed beetle	15	CK	UWD
• cerambycid sp. * locust borer beetle	15	CK	UWD
Family Chrysomelidae (leaf beetles)			
• <i>Acalymma vittata</i> ? (Fabricius) * striped cucumber beetle	15	CK	UWD
• <i>Altica chalybea</i> Illiger * grape flea beetle	15	CK	UWD
• <i>Chrysochus auratus</i> (Fabricius, 1775) * dogbane beetle or goldsmith beetle	15	CK	UWD
• <i>Diabrotica undecimpunctata howardi</i> Barber * spotted cucumber beetle	15,17	CK	UWD
• <i>Disonycha</i> sp. Chevrolat, 1844 * leaf beetle	17a	CK	STM
• <i>Donacia</i> sp. Fabricius * leaf beetle	3,6,9,17a	ES	LEB,WET
• <i>Leptinotarsa decemlineata</i> (Say) * Colorado potato beetle	15	CK	UWD
• <i>Odontota dorsalis</i> ? (Thunberg, 1805) [= <i>Chalepus dorsalis</i>] * locust leaf beetle	15	CK	UWD
• <i>Xenochalepus dorsalis</i> (Thunburg) * locust leafminer	15	CK	UWD
• cassidin sp. * tortoise beetle	15	CK	UWD
• chrysomelid sp. * leaf beetle	17a	ES	UWD
Family Curculionidae [=Scolytidae] (weevils)			
• <i>Conotrachelus nenuphar</i> (Herbst) * plum curculio	15	CK	UWD
• <i>Curculio</i> spp. [2] Linnaeus, 1758 * chestnut & nut weevil	15	CK	UWD
• <i>Hyperodes</i> sp. Jekel, 1864 * weevil	17a	TR	STM
• <i>Scolytus rugulosus</i> (Ratzeburg) * shot-hole borer	15	CK	UWD
• <i>Sphenophotus</i> sp. Schoenherr * billbug weevil	15	CK	UWD
• brachyrhinin sp. * broad-nosed weevil	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Curculionidae (continued)			
• thylactin spp. [2] * snout beetles	15	CK	UWD
• curculionid sp.? * acorn weevil	15	CK	UWD
• curculionid sp. * grape cane weevil	15	CK	UWD
• curculionid sp. * weevil	15	CK	UWD
ORDER MECOPTERA (scorpionflies & allies)			
Family Panorpidae (common scorpionflies)			
• <i>Panorpa helena?</i> Byers * common scorpionfly	15	CK	UWD
ORDER SIPHONAPTERA (fleas)			
Family Pulicidae (common fleas)			
• <i>Ctenocephalides canis</i> (Curtis) * dog flea	15,17	CK	RUL
• <i>Ctenocephalides felis</i> (Bouché) * cat flea	17	CK	RUL
ORDER DIPTERA (true flies)			
Family Tipulidae (crane flies)			
• <i>Brachypremna</i> sp. Osten Sacken * crane fly	3,17a	CK,TR	STM
• <i>Hexatoma</i> sp. Latreille, 1809 * crane fly	17a	TR	STM
• <i>Paradelphomyia</i> sp. Alexander, 1936 * crane fly	17a	TR	STM
• <i>Pedicia</i> sp. Latreille, 1809 * crane fly	17a	TR	STM
• <i>Tipula</i> sp. Linnaeus, 1758 * crane fly	3,9,17a	CK,ES,TR	LEB,STM
• limnophilin sp. * crane fly	17a	ES	UWD
• tipulid sp. * crane fly	15,17a	CK,ES,TR	STM, JWD
Family Trichoceridae (winter crane flies)			
• <i>Trichocera</i> sp.? Meigen, 1803 * winter crane fly	15	CK	UWD
• trichocerid sp. * winter crane fly	15	CK	UWD
Family Tanyderidae (primitive crane flies)			
• <i>Protoplasa</i> sp.? Osten Sacken, 1859 * primitive crane fly	15	CK	UWD
Family Ptychopteridae (phantom crane flies)			
• ptychopterid sp. * phantom crane fly	15	CK	UWD
Family Chaoboridae (phantom midges)			
• <i>Chaoborus flavicans</i> Meigen, 1830 * phantom midge	9	ES	LEB
• <i>Chaoborus punctipennis</i> (Say, 1823) * phantom midge	9,17	ES	LEB
• <i>Chaoborus</i> sp. Lichtenstein, 1800 * phantom midge	6,9	ES	LEB
Family Culicidae (mosquitoes)			
• <i>Aedes communis?</i> (De Geer, 1776) * mosquito	15	CK	UWD
• <i>Aedes infirmatus</i> Dyar & Knab, 1906 * mosquito	9	ES	LEB
• <i>Aedes vexans</i> Meigen, 1830 * mosquito	9	ES	LEB
• <i>Aedes</i> sp. Meigen, 1818 * mosquito	3,9	CK,ES	LEB
• <i>Culex pipiens</i> Linnaeus, 1758 * mosquito	15	CK	UWD
• <i>Culex</i> spp. Linnaeus, 1758 * mosquitos	9,15,17a	CK,ES	LEB,UWD
Family Simuliidae (black flies)			
• <i>Simulium</i> sp. Latreille, 1802 * black fly	3,17a	CK,ES	LEB,STM
Family Ceratopogonidae (biting midges or no-see-ums)			
• <i>Probezzia</i> sp. Kieffer, 1906 * biting midge	6	ES	LEB
• ceratopogonid sp. (<i>Bezzia-Palpomyia</i> group) * biting midge	6,9,12	ES	LEB, VES
Family Chironomidae (midges)			
Subfamily Chironominae [=Tendipedinae]			
• <i>Chironomus anthracinus</i> Zetterstedt, 1860 * midge	6,9	ES	LEB
• <i>Chironomus cristatus</i> Fabricius, 1805 [= <i>C. plumosus</i>] * midge	17	ES	LEB
• <i>Chironomus decorus</i> Johannsen, 1905 * midge	6	ES	LEB
• <i>Chironomus plumosus</i> (Linnaeus, 1758) * midge	9	ES	LEB

	SOURCE	LOCATION	HABITAT
Subfamily Chironominae (continued)			
• <i>Chironomus riparus</i> Meigen, 1804 * midge	6	ES	LEB
• <i>Chironomus staegeri</i> Lundbeck, 1898 * midge	9	ES	LEB
• <i>Chironomus tentans</i> Fabricius, 1805 * midge	17	ES	LEB
• <i>Chironomus</i> sp. Meigen, 1803 * midge	9,12	ES	LEB
• <i>Cladopelma</i> sp. Kieffer, 1921 * midge	9	ES	LEB
• <i>Cladotanytarsus</i> sp. Kieffer, 1921 * midge	9	ES	LEB
• <i>Cryptochironomus</i> sp. Kieffer, 1918 * midge	9	ES	LEB
• <i>Dicrotendipes nervosus</i> (Staeger, 1839) * midge	6	ES	LEB
• <i>Dicrotendipes</i> sp. Kieffer, 1913 * midge	9	ES	LEB
• <i>Endochironomus nigrans</i> Johannsen, 1905 * midge	6	ES	LEB
• <i>Endochironomus</i> sp. Kieffer, 1918 * midge	9	ES	LEB
• <i>Glyptotendipes loberiferus</i> Say, 1823 * midge	6	ES	LEB
• <i>Glyptotendipes</i> sp. Kieffer, 1913 * midge	9,17	ES	LEB, VES
• <i>Limnochironomus tenuicadatus</i> Malloch, 1915 [= <i>Parachironomus tenuicadatus</i>] * midge	17	ES	LEB
• <i>Lipiniella</i> sp. Shilova, 1961 * midge	9	ES	LEB
• <i>Microchironomus</i> sp. Kieffer, 1918 * midge	9	ES	LEB
• <i>Micropsectra polita</i> Malloch, 1915 * midge	6	ES	LEB
• <i>Microtendipes caelum</i> Townes, 1945 * midge	6	ES	LEB
• <i>Parachironomus</i> sp. Lenz, 1921 * midge	9	ES	LEB, VES
• <i>Paralauterborniella</i> sp. Lenz, 1941 * midge	9	ES	LEB
• <i>Paratanytarsus</i> sp. Thienemann & Bause, 1913 * midge	9	ES	LEB
• <i>Paratendipes</i> sp. Kieffer, 1911 * midge	9	ES	LEB
• <i>Polypedilum halterale</i> (Coquillett, 1901) [= <i>Tripodura h.</i>] * midge	9	ES	LEB
• <i>Polypedilum</i> sp. Kieffer, 1912 * midge	9	ES	LEB
• <i>Rheotanytarsus exiguus</i> Johannsen, 1905 * midge	6	ES	LEB
• <i>Stictochironomus</i> sp. Kieffer, 1919 * midge	9	ES	LEB
• <i>Tanytarsus glabrescens</i> Edwards * midge	6	ES	LEB
• <i>Tanytarsus</i> sp. Wulp, 1858 * midge	9	ES	LEB, VES
• <i>Thienemannimyia</i> sp. Fittkau, 1957 * midge	6	ES	LEB
• <i>Tribelos</i> sp. Townes, 1945 * midge	9	ES	LEB
• chironomin sp. * midge	15,17a	CK,ES	UWD
Subfamily Diamesinae			
• <i>Potthastia longimanus</i> Kieffer, 1922 * midge	6	ES	LEB
• <i>Sympotthastia</i> sp. Pagast, 1947 * midge	6	ES	LEB
Subfamily Orthoclaadiinae			
• <i>Cricotopus sylvestris</i> (Fabricius, 1794) [= <i>Isocladius s.</i>] * midge	9	ES	LEB, VES
• <i>Cricotopus tremulus</i> (Linnaeus, 1758) * midge	6	ES	LEB
• <i>Cricotopus trifascia</i> (Panzer) Edwards, 1929 * midge	17	ES	LEB
• <i>Cricotopus</i> sp. Wulp, 1874 * midge	9	ES	LEB, VES
• <i>Hydrobaenus</i> spp. Fries, 1830 * midges	9	ES	LEB
• <i>Limnophyes</i> sp. Eaton, 1875 * midge	9	ES	VES
• <i>Orthocladius obumbratus</i> Johannsen, 1905 * midge	6	ES	LEB
• <i>Orthocladius</i> sp. Wulp, 1874 * midge	9	ES	LEB, VES
Subfamily Tanypodinae [=Pelopiinae]			
• <i>Ablabesmyia parajanta</i> Roback, 1971 [= <i>Pentaneura p.</i>] * midge	6	ES	LEB
• <i>Coelotanypus concinnus</i> (Coquillett, 1895) * midge	6	ES	LEB
• <i>Coelotanypus</i> sp. Kieffer, 1913 * midge	3,9,17a	CK,ES	LEB

	SOURCE	LOCATION	HABITAT
Subfamily Tanypodinae (continued)			
• <i>Labrundinia pilosilla</i> Loew, 1866 * midge	6	ES	LEB
• <i>Pentaneura</i> sp. Philippi, 1865 * midge	6	ES	LEB
• <i>Procladius sublettei</i> Roback, 1971 * midge	6	ES	LEB
• <i>Procladius</i> sp. Skuse, 1889 * midge	9	ES	LEB
• <i>Tanypus</i> sp. Meigen, 1803 * midge	6,9,17a	ES,TR	LEB,STM,VES
Family Bibionidae (march flies)			
• <i>Biblio</i> sp.? Geoffroy, 1762 * march fly	15	CK	UWD
Family Cecidomyiidae (gall midges)			
• <i>Aphidoletes aphidimyza</i> (Rondani)* orange maggot or gall gnat	15	CK	UWD
• <i>Rhopalomyia solidaginis</i> (Loew) * leafy goldenrod gall	15	CK	UWD
Family Sciaridae (dark-winged fungus gnats)			
• sciarid sp. * dark-winged fungus gnat	15	CK	UWD
Family Mycetophilidae (fungus gnats)			
• mycetophilid sp. * fungus gnat	15,17a	CK,ES	UWD
Family Blepharoceridae (net-winged midges)			
• blepharocerid sp. * net-winged midge	17a	ES	UWD
Family Rhagionidae (rhagionid snipe flies)			
• <i>Rhagio</i> sp. Fabricius, 1775 * snipe fly	15	CK	UWD
Family Athericidae (athericid snipe flies)			
• <i>Atherix varigata</i> Walker * snipe fly	17a	TR	STM
• <i>Atherix</i> sp. Meigen, 1803 * snipe fly	17a	TR	STM
Family Stratiomyidae (soldier flies)			
• <i>Odontomyia</i> sp. Meigen, 1803 [= <i>Catatasina</i> sp.] * soldier fly	9	ES	VES
• <i>Hedriodiscus</i> sp. Enderlein, 1914 * soldier fly	9	ES	LEB,VES
• <i>Stratiomys</i> sp. Geoffroy, 1762 * soldier fly	3,17a	CK	STM
Family Tabanidae (horse & deer flies)			
• <i>Chrysops</i> sp. Meigen, 1803 * deer fly	9,15,17a	CK,TR	STM
• <i>Merycomia</i> sp. Hine * horse fly	17a	TR	STM
• <i>Tabanus</i> spp. Linnaeus [2] * horse flies	3,15,17a	CK,TR	STM
• tabanid sp. * horse fly	17a	CK	UWD
Family Asilidae (robber flies)			
• asilid sp. * robber fly	15	CK	UWD
Family Therevidae (stiletto flies)			
• therevid sp. * stiletto fly	15	CK	UWD
Family Bombyliidae (bee flies)			
• <i>Anthrax</i> sp. Scopoli, 1763 * bee fly	15	CK	UWD
• bombyliid sp. * bee fly	15	CK	UWD
Family Dolichopodidae (long-legged flies)			
• dolichopodid sp. * long-legged fly	15	CK	UWD
Family Phoridae (humpbacked flies)			
• phorid sp. * humpbacked fly	15,17a	CK,ES	UWD
Family Lonchpoteridae (spear-winged flies)			
• lonchopterid sp. * spear-winged fly	17a	ES	UWD
Family Syrphidae (flower flies)			
• <i>Baccha</i> sp.? Fabricius, 1805 * flower fly	15	CK	UWD
• <i>Didea</i> sp. Macquart, 1834 * flower fly	15	CK	UWD
• <i>Eristalis tenax?</i> Linnaeus * hover fly	15	CK	UWD
• <i>Syrphus</i> sp. Fabricius, 1775 * hover fly	15	CK	UWD
• syrphid sp. * flower fly	17a	ES	UWD

	SOURCE	LOCATION	HABITAT
Family Tephritidae (fruit flies)			
• <i>Eurosta solidaginis</i> Fitch * round ball goldenrod gall	15	CK	UWD
• <i>Rhagoletis pomonella</i> Walsh * apple maggot	15	CK	UWD
• tephritid sp. Fitch * fruit fly	15,17a	CK,ES	UWD
Family Sciomyzidae (marsh flies)			
• sciomyzid sp. * marsh fly	17a	ES	UWD
Family Lauxaniidae (lauxaniid flies)			
• lauxaniid sp. * lauxaniid fly	15	CK	UWD
Family Asteiidae (asteiid flies)			
• asteiid sp. * asteiid fly	15	CK	UWD
Family Anthomyzidae (anthomyzid flies)			
• anthomyzid sp. * anthomyzid fly	15	CK	UWD
Family Drosophilidae (vinegar or pomace flies)			
• <i>Drosophila melanogaster</i> Meigen * pomace fly	15	CK	UWD
Family Ephydriidae (shore flies)			
• ephydrid sp.* shore fly	9,15	CK,ES	LEB,STM
Family Chloropidae (chloropid or frit flies)			
• chloropid sp. * frit fly	15	CK	UWD
Family Muscidae (house & stable flies)			
• <i>Muscasp.</i> Linnaeus, 1758 * house fly	15	CK	UWD
• muscid spp. [3] * muscid flies	15,17a	CK,ES	UWD
Family Calliphoridae (blow flies)			
• <i>Lucilia illustris?</i> (Meigen) * blow fly	15	CK	UWD
• <i>Pollenia</i> sp.? Robineau-Desvoidy, 1830 * cluster blow fly	15	CK	UWD
• calliphorid sp. * blow fly	15	CK	UWD
Family Sarcophagidae (flesh flies)			
• <i>Helicobia</i> sp. Coquillett * flesh fly	15	CK	UWD
Family Tachinidae (tachina flies)			
• <i>Spoggosia</i> sp.? Rondani, 1859 * tachina fly	15	CK	UWD
• tachinid sp. * tachina fly	15	CK	UWD
Family Heleomyzidae (heleomyzid flies)			
• heleomyzid sp. * heleomyzid fly	15	CK	UWD
ORDER TRICHOPTERA (caddisflies)			
Family Rhyacophilidae (primitive caddisflies)			
• <i>Rhyacophila ledra</i> Ross, 1936 * caddisfly	13	CK	RAV
• <i>Rhyacophila vibox</i> Milne, 1936 * caddisfly	13	CK	RAV
• <i>Rhyacophila</i> sp. Pictet, 1834 * caddisfly	6	CK	STM
Family Hydroptilidae (micro-caddisflies)			
• <i>Agraylea</i> spp. Curtis, 1834 * caddisflies	9,13	CK,ES	LEB
• <i>Hydroptila ajax</i> Ross, 1938 * caddisfly	13	CK,ES	LEB
• <i>Hydroptila angusta</i> Ross, 1938 * caddisfly	13	CK	STM
• <i>Hydroptila armata</i> Ross, 1938 * caddisfly	1	ES	LEB
• <i>Hydroptila consimilis</i> Morton, 1905 * caddisfly	13	ES	LEB
• <i>Hydroptila grandiosa</i> Ross, 1938 * caddisfly	13	CK	STM
• <i>Hydroptila perdita</i> Morton, 1905 * caddisfly	13	CK,ES	LEB
• <i>Hydroptila spatulata</i> Morton, 1905 * caddisfly	13	CK	STM
• <i>Hydroptila waubesiana</i> Betten, 1934 * caddisfly	1,13	CK,ES	LEB
• <i>Hydroptila</i> sp. Dalman, 1819 * caddisfly	17a	ES	LEB
• <i>Ochrotrichia tarsalis</i> Hagen, 1861 * caddisfly	1,13	CK,ES	LEB
• <i>Orthotrichia americana</i> Banks, 1904 * caddisfly	1,13	CK,ES	LEB
• <i>Oxeythira pallida</i> (Banks, 1904) * caddisfly	1	ES	LEB

	SOURCE	LOCATION	HABITAT
Family Philopotamidae (finger-net caddisflies or silken-tube spinners)			
• <i>Chimarra obscura</i> Walker, 1852 * caddisfly	13	CK,ES	LEB
• <i>Chimarra</i> sp. Stephens, 1829 * caddisfly	6	ES	LEB
Family Hydropsychidae (net-spinning caddisflies)			
• <i>Ceratopsyche bronta</i> Ross, 1938 [= <i>Symphitopsyche bronta</i>] * c.	1	ES	LEB
• <i>Ceratopsyche slossonae</i> Banks, 1905 [= <i>Symphitopsyche s.</i>] * c.	1	ES	LEB
• <i>Ceratopsyche</i> sp. Ross & Unzicker, 1977 * caddisfly	17a	ES,TR	LEB,STM
• <i>Cheumatopsyche burksi</i> Ross, 1941 * caddisfly	13	ES	LEB
• <i>Cheumatopsyche campyla</i> Ross, 1938 * caddisfly	13	CK	STM
• <i>Cheumatopsyche minuscula</i> Banks, 1907 * caddisfly	13	ES	LEB
• <i>Cheumatopsyche pasella</i> Ross, 1941 * caddisfly	13	ES	LEB
• <i>Cheumatopsyche sordida</i> (Hagen, 1861) * caddisfly	13	CK,ES	LEB
• <i>Cheumatopsyche</i> sp. Wallengreen, 1891 * caddisfly	6,17a	ES,TR	LEB,STM
• <i>Hydropsyche betteni</i> Ross, 1938 * caddisfly	1,3,13	CK,ES	LEB
• <i>Hydropsyche recurvata</i> Banks, 1914 * caddisfly	13	CK,ES	LEB
• <i>Hydropsyche walkeri</i> Betten & Mosely, 1940 * caddisfly	13	CK	STM
• <i>Hydropsyche</i> sp. Pictet, 1834 * caddisfly	6,17a	CK,ES,TR	LEB,STM
• <i>Potamyia</i> sp. Banks, 1900 * caddisfly	3,17a	CK,TR	STM
• hydropsychid sp. * caddisfly	17a	ES	LEB
Family Polycentropodidae (tube-making & trumpet-net caddisflies)			
• <i>Cernotina ohio</i> Ross, 1939 * caddisfly	13	ES	LEB
• <i>Cymellus fraternus</i> Banks, 1930 * caddisfly	13	CK,ES	LEB
• <i>Cymellus marginalis</i> Banks, 1930 * caddisfly	1	ES	LEB
• <i>Neureclipsis crepuscularis</i> Walker, 1852 * caddisfly	13	ES	LEB
• <i>Nyctiophylax moestus</i> Banks, 1911 * caddisfly	13	CK,ES	LEB
• <i>Polycentropus aureolus</i> Banks, 1930 * caddisfly	13	CK	STM
• <i>Polycentropus cinereus</i> Hagen, 1861 * caddisfly	13	CK	STM
• <i>Polycentropus crassicornis</i> Walker, 1852 * caddisfly	13	ES	LEB
• <i>Polycentropus interruptus</i> (Banks, 1914) * caddisfly	13	ES	LEB
• <i>Polycentropus</i> sp. Curtis, 1835 * caddisfly	17a	ES,TR	LEB,STM
Family Phryganeidae (large caddisflies)			
• <i>Phryganea cinerea</i> Walker, 1852 * caddisfly	13	ES	LKS
Family Limnephilidae (log-cabin caddisflies)			
• <i>Limnephilus submonilifer</i> Walker, 1852 * caddisfly	13	CK	STM
• <i>Limnephilus</i> sp.? Leach, 1815 [or <i>Philarctus</i> sp.?] * caddisfly	9,17	ES	LEB
• <i>Neophylax</i> sp. McLachlan, 1871 * caddisfly	17a	CK	STM
• <i>Pycnopsyche</i> sp. Banks, 1905 * caddisfly	17a	TR	STM
Family Helicopsychidae (snailcase makers)			
• <i>Helicopsyche</i> sp. Hagen, 1866 * caddisfly	17a	TR	STM
Family Leptoceridae (long-horned caddisflies)			
• <i>Ceraclea cancellatus</i> Betten, 1934 * caddisfly	13	CK	STM
• <i>Ceraclea resurgens</i> Walker, 1852 * caddisfly	13	CK	STM
• <i>Ceraclea tarsi-punctata</i> Vorhies, 1909 * caddisfly	1,13	CK,ES	LEB
• <i>Ceraclea transversaus</i> (Hagen, 1861) * caddisfly	1	ES	LEB
• <i>Ceraclea</i> sp. Stephens, 1829 * caddisfly	17a	CK	STM
• <i>Leptocerus americanus</i> Banks, 1899 * caddisfly	13	CK	LEB
• <i>Nectopsyche</i> spp. Flint, 1974 * caddisflies	13,17a	CK,ES	LEB,STM
• <i>Oecetis avara</i> Banks, 1895 * caddisfly	13	ES	LEB

	SOURCE	LOCATION	HABITAT
Family Leptoceridae (continued)			
• <i>Oecetis cinerascens</i> (Hagen, 1861) * caddisfly	13	CK,ES	LEB
• <i>Oecetis inconspicua</i> Walker, 1852 * caddisfly	1,13	CK,ES	LEB
• <i>Oecetis persimilis</i> Banks, 1907 * caddisfly	13	CK	STM
• <i>Oecetis</i> sp. Wallengren, 1891 * caddisfly	17a	CK	STM
• <i>Triaenodes frontalis</i> Banks, 1907 * caddisfly	13	ES	LEB
• leptocerid sp. * caddisfly	17a	ES	LWD
ORDER LEPIDOPTERA (butterflies & moths)			
Family Tineidae (clothes moths)			
• tineid sp. * clothes moth	15	CK	LWD
Family Gracillariidae (leaf blotch miners)			
• <i>Phyllonorycter blancardella</i> (Fabricius) * spotted tentiform leafminer	15	CK	LWD
Family Gelechiidae (gelechiid moths)			
• <i>Gnorimoschema gallaesolidaginis</i> Riley * golden rod gall	15	CK	LWD
Family Yponomeutoidea (ermine moths)			
• yponomeutoid sp. * ermine moth	17a	ES	LWD
Family Sesiidae (clearwings)			
• <i>Pennisetia marginata</i> Harris * raspberry crown borer	15	CK	LWD
• <i>Podosesia syringae syringae</i> (Harris) * lilac borer	15	CK	LWD
• <i>Synanthedon exitiosa</i> (Say) * peach tree borer	15	CK	LWD
• <i>Synanthedon pictipes</i> (Grote & Robinson) * lesser p. tree borer	15	CK	LWD
• <i>Synanthedon scitula</i> (Harris) * dogwood borer	15	CK	LWD
Family Tortricidae (leaf-rollers)			
• <i>Archips argyrospila</i> (Walker) * fruittree leaf-roller	15	CK	UWD
• <i>Archips</i> sp.? (Tentamen) Hübner * leaf-roller	9	ES	LEB
• <i>Argyrotaenia velutinana</i> (Walker) * red-banded leaf-roller	15	CK	UWD
• <i>Choristoneura rosaceana</i> (Harris) * oblique-banded leaf-roller	15	CK	UWD
• <i>Cydia pomonella</i> (Linnaeus) * codling moth	15	CK	UWD
• <i>Grapholitha molesta</i> (Busck) * Oriental fruit moth	15	CK	UWD
• <i>Paralobesia viteana</i> (Clemens) * grape berry moth	15	CK	UWD
• <i>Platynota flavedana</i> (Clemens) * variegated leaf-roller	15	CK	UWD
• <i>Platynota idaeusalis</i> (Walker) * tufted apple bud-moth	15	CK	UWD
• <i>Spilonota ocellana</i> (Denis & Schiffermuller) * eye-spotted b-m.	15	CK	UWD
Family Hesperidae (common skippers)			
• <i>Epargyreus clarus</i> (Cramer) * silver-spotted skipper	15	CK	UWD
• <i>Erynnis baptisiae</i> Forbes * wild indigo duskywing skipper	15	CK	UWD
• <i>Pholisora catullus</i> (Fabricius) * common sootywing skipper	15	CK	UWD
• <i>Poanes zabulon</i> Boisduval & LeConte * southern golden s.	15	CK	UWD
• <i>Polites coras</i> (Cramer) [= <i>Polites peckius</i> Kirby] * yellowpatch or Peck's skipper	15	CK	UWD
Family Papilionidae (swallowtails)			
• <i>Battus philenor</i> (Linnaeus) * pipevine swallowtail	15	CK	UWD
• <i>Papilio cresphontes</i> Cramer * giant swallowtail	15	CK	UWD
• <i>Papilio glaucus</i> Linnaeus * tiger swallowtail	15	CK	UWD
• <i>Papilio polyxenes asterius</i> Stoll * black swallowtail	15	CK	UWD
• <i>Papilio troilus</i> Linnaeus * spicebush swallowtail	15	CK	UWD
Family Pieridae (whites & sulfurs)			
• <i>Colias eurytheme</i> Boisduval * orange sulfur	15	CK	UWD
• <i>Colias philodice</i> Godart * common sulfur	15	CK	UWD
• <i>Pieris rapae</i> (Linnaeus) * cabbage white	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Family Lycaenidae (gossamer-winged butterflies)			
• <i>Celastrina ladon ladon</i> (Cramer) * spring azure	15	CK	UWD
• <i>Everes comyntas</i> Godart * eastern tailed blue	15	CK	UWD
• <i>Lycaena phlaeas americana</i> Harris * American copper	15	CK	UWD
Family Libytheidae (snout butterflies)			
• <i>Libytheana bachmanii</i> Kirtland * snout butterfly	15	CK	UWD
Family Danaidae (milkweed butterflies)			
• <i>Danaus plexippus</i> (Linnaeus) * monarch butterfly	15	CK	UWD
• danaid sp. * milkweed butterfly	17a	ES	UWD
Family Satyridae (nymphs & satyrs)			
• <i>Cercyonis pegala</i> (Fabricius) * common wood nymph	15	CK	UWD
• <i>Megisto cymela</i> (Cramer) * little wood satyr	15	CK	UWD
Family Nymphalidae (brush-footed butterflies)			
• <i>Asterocampa celtis</i> (Boisduval & LeConte) * hackberry butterfly	15	CK	UWD
• <i>Asterocampa clyton</i> (Boisduval & LeConte) * tawny emperor	15	CK	UWD
• <i>Boloria bellona bellona</i> (Fabricius) * meadow fritillary	15	CK	UWD
• <i>Enodia anthedon</i> Clark * northern pearly eye	15	CK	UWD
• <i>Junonia coenia</i> Hübner * buckeye	15	CK	UWD
• <i>Limenitis archippus</i> (Cramer) * viceroy	15	CK	UWD
• <i>Limenitis arthemis astyanax</i> (Fabricius) * red-spotted purple	15	CK	UWD
• <i>Nymphalis antiopa</i> (Linnaeus) * mourning cloak	15	CK	UWD
• <i>Nymphalis milberti</i> (Godart) * Milbert's tortoise shell	15	CK	UWD
• <i>Phyciodes tharos</i> (Drury) * pearl crescent	15	CK	UWD
• <i>Polygonia interrogationis</i> (Fabricius) * question-mark	15	CK	UWD
• <i>Speyeria</i> sp. Scudder * fritillary or silverspots	15	CK	UWD
• <i>Vanessa atalanta rubra</i> (Fruhstorfer) * red admiral	15	CK	UWD
• <i>Vanessa cardui</i> (Linnaeus) * painted lady	15	CK	UWD
• <i>Vanessa virginiensis</i> (Drury) * American painted lady	15	CK	UWD
Family Pyralidae (pyralid moths)			
• <i>Crambus</i> sp. Fabricius, 1798 * close-wings or grass moth	15	CK	UWD
• <i>Euzophera semifuneralis</i> (Walker) * American plum borer	15	CK	UWD
• <i>Ostrinia nubilalis</i> (Hübner) * European corn borer	15	CK	UWD
• <i>Plodia interpunctata</i> (Hübner) * Indian meal moth	15	CK	UWD
Family Geometridae (geometer moths)			
• <i>Euchoeca albovittata</i> Guenee * white-striped black moth	15	CK	UWD
• <i>Haemotopis grataria</i> Fabricius * chickweed geometer moth	15	CK	UWD
• <i>Synchlora aerata</i> Fabricius * green geometrid moth	15,17a	CK,ES	UWD
Family Lasiocampidae (tent caterpillars & lappet moths)			
• <i>Malacosoma americanum</i> (Fabricius) * eastern tent caterpillar	15	CK	UWD
• lasiocampid sp. * lappet moth	17a	ES	UWD
Family Saturniidae (giant silkworm moths)			
• <i>Antheraea polyphemus</i> (Cramer) * polyphemus moth	15	CK	UWD
• <i>Automeris io</i> (Fabricius) * io moth	15	CK	UWD
• <i>Platysamia cecropia</i> (Linnaeus) * cecropia moth	15	CK	UWD
Family Sphingidae (sphinx or hawk moths)			
• <i>Manduca quinquemaculata</i> (Haworth) * tomato hornworm	15	CK	UWD
• <i>Protoparce sexta?</i> (Linnaeus, 1763) * sphinx moth	15	CK	UWD
• sphingid spp. * clear-wing hummingbird & sphinx moths	15	CK	UWD
Family Notodontidae (prominents)			
• notodontid sp. * prominent moth	15	CK	JWD

	SOURCE	LOCATION	HABITAT
Family Lymantriidae [=Liparidae] (tussock moths)			
• <i>Hemerocampa leucostigma</i> (Smith) * white-marked tussock moth	15	CK	UWD
Family Arctiidae (tiger moths)			
• <i>Estigmene</i> sp.? Hübner * white moth	15	CK	UWD
• <i>Hyphantria cunea</i> (Drury) * fall webworm	15	CK	UWD
• <i>Isia isabella</i> (Smith) * banded woollybear	15	CK	UWD
Family Ctenuchidae (ctenuchid moths)			
• <i>Ctenucha virginica</i> (Charpentier) * ctenuchid Virginia moth	15	CK	UWD
Family Noctuidae (noctuid moths)			
• <i>Autographa</i> sp. Hübner * looper moth	15	CK	UWD
• <i>Catocala</i> sp. Schrank * underwing moth	15	CK	UWD
• <i>Heliothis zea</i> (Boddie) * corn earworm	15	CK	UWD
• <i>Papaipema nebris</i> (Guenee) * stalk borer	15	CK	UWD
• noctuid sp. * cutworm moth	15,17a	CK,ES	UWD
Family Agaristidae (forester moths)			
• <i>Alypia</i> sp. Hübner * forester moth	15	CK	UWD
ORDER HYMENOPTERA (sawflies, ants, bees, & wasps)			
Suborder Symphyta (sawflies)			
Family Tenthredinidae (common sawflies)			
• tenthredinid sp. * sawfly	15	CK	UWD
Family Siricidae (horntails)			
• <i>Tremex</i> sp.? Jurine * horntail sawfly	15	CK	UWD
Suborder Apocrita (ants, bees, & wasps)			
Family Braconidae (braconids)			
• braconid sp. * braconid wasp	15	CK	UWD
Family Ichneumonidae (ichneumons)			
• <i>Megarhyssa</i> sp.? Ashmead * ichneumon wasp	15	CK	UWD
• ichneumonid spp. [3] * ichneumon wasps	15,17a	CK,ES	UWD
Family Evaniidae (ensign wasps)			
• evaniid sp. * ensign wasp	17a	ES	UWD
Family Proctotrupidae (proctotrupids)			
• proctotrupid sp. * parasitic wasp	15	CK	UWD
Family Eurytomidae (seed chalcids)			
• eurytomid sp. * chalcid seed wasp	15	CK	UWD
Family Torymidae (torymids)			
• torymid sp. * parasitic wasp	15	CK	UWD
Family Cynipidae (cynipids or gall wasps)			
• <i>Amphibolips</i> sp.? Reinhard * oak apple gall	15	CK	UWD
• <i>Diastrophus cuscutaeformis</i> Osten Sacken * blackberry seed gall	15	CK	UWD
• <i>Diastrophus nebulosis</i> (Osten Sacken) * blackberry gall-maker	15	CK	UWD
Family Chrysididae (cuckoo wasps)			
• chrysidid sp. * cuckoo wasp	15	CK	UWD
Family Tiphidae (tiphiid wasps)			
• tiphiid sp. * tiphiid wasp	15,17a	CK,ES	UWD
Family Formicidae (ants)			
Subfamily Formicinae (carpenter ants & allies)			
• <i>Acanthomyops</i> sp. Mayr * foundation ant	15	CK	UWD
• <i>Camponotus</i> spp. Mayr [3] * carpenter ants	15	CK	UWD
• <i>Formica</i> spp. Latreille [3] * mound builder ants	15	CK	UWD
• <i>Lasius</i> sp. Fabricius * winged ant	15	CK	UWD
• <i>Prenolepis</i> sp. Mayr * ant	15	CK	UWD

	SOURCE	LOCATION	HABITAT
Subfamily Myrmecinae (common ants)			
• <i>Crematogaster</i> sp. Lund * small black ant	15	CK	UWD
• <i>Leptothorax</i> sp. Mayr * ant	15	CK	UWD
• <i>Monomorium pharaonis?</i> (Linnaeus) * Pharaoh ant	15	CK	UWD
• <i>Myrmica</i> sp. Latreille * ant	15	CK	UWD
• <i>Tetramorium caespitum</i> (Linnaeus) * pavement ant	15	CK	UWD
Subfamily Ponerinae (ponerin ants)			
• <i>Ponera</i> sp. Latreille * ant	15	CK	UWD
Family Eumenidae (potter wasps)			
• <i>Eumenes</i> sp.? Fabricius * potter wasp	15	CK	UWD
• <i>Monobia</i> sp.? De Saussure * potter wasp	15	CK	UWD
Family Vespidae (vespid wasps)			
• <i>Vespa crabro germana</i> (Christ) * giant hornet	15	CK	UWD
• <i>Vespula germanica</i> (Fabricius) * picnic wasp	15	CK	UWD
• <i>Vespula maculata</i> (Linnaeus) * bald-faced hornet	15	CK	UWD
• <i>Vespula maculifrons?</i> (Buysson) * yellowjacket wasp	15	CK	UWD
• polistin sp. * paper wasp	15	CK	UWD
Family Sphecidae (sphecid wasps)			
• <i>Chalybion</i> sp.? DeHlbom * thread-waisted wasp	15	CK	UWD
• <i>Sphecius speciosus</i> (Drury) * cicada-killer wasp	15	CK	UWD
Family Colletidae (yellow-faced & plasterer bees)			
• colletid sp. * colletid bee	15	CK	UWD
Family Halictidae (halictid bees)			
• <i>Agapostemon</i> sp. Guérin-Meneville, 1844 * halictid bee	15	CK	UWD
• halictid spp. [2] * halictid bees	15	CK	UWD
Family Andrenidae (andrenid bees)			
• andrenid sp. * andrenid bee	15	CK	UWD
Family Megachilidae (leafcutting bees)			
• megachilid sp. * leafcutting bee	15	CK	UWD
Family Anthophoridae (digger, cuckoo, & carpenter bees)			
• <i>Xylocopa virginica?</i> (Linnaeus) Drury * large carpenter bee	15	CK	UWD
• nomadin sp.? * cuckoo bee	15	CK	UWD
• anthophorid spp. [2] * digger bees	15	CK	UWD
Family Apidae (bumble & honey bees)			
• <i>Apis mellifera</i> Linnaeus * honey bee	15	CK	UWD
• <i>Bombus</i> sp. Latreille * large bumblebee	15	CK	UWD

PHYLUM TARDIGRADA (water bears)

ORDER (CLASS) EUTARDIGRADA

Family Macrobiotidae (naked freshwater tardigrades)

• macrobiotid sp. Schultze * water bear	9	ES	LEB
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PHYLUM BRYOZOA [=ECTOPROCTA] (bryozoans)

CLASS PHYLACTOLAEMATA

ORDER PLUMATELLIDA

Family Plumatellidae

• <i>Plumatella casmiana</i> Oka, 1907 * bryozoan	9	ES	LEB, VES
• <i>Plumatella repens</i> (Linnaeus, 1758) Allman, 1844 * spreading b.	9	ES	VES

Family Lophopodidae

• <i>Lophopodella carteri</i> (Hyatt, 1868) Rousselet, 1904 * sac b.	9	ES	LEB
• <i>Pectinatella magnifica</i> (Leidy, 1851) Kraepelin, 1887 * slimy b.	4,9,17	ES	LEB, VES
• lophopodid sp. * bryozoan	12	ES	LEB

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LOCATION CODES:

- CK – Old Woman Creek watershed upstream of the estuary
- ES – Old Woman Creek Estuary (including watershed within boundaries of NERR)
- LE – Lake Erie, principally nearshore waters of Erie County and western Lorain County, Ohio
- TR – Tributary watersheds to Lake Erie other than Old Woman Creek, principally of eastern Erie County and western Lorain County, Ohio

HABITAT CODES:

- LEB – Lake Erie estuaries, benthic habitats
- LEP – Lake Erie estuaries, planktonic habitats
- LKB – Lake Erie, benthic habitats
- LKP – Lake Erie, pelagic habitats
- LKS – Lakeshore
- OGS – Open grass & shrub field
- RAV – Ravines
- ROK – Rocky terrains
- RUL – Rural dwellings
- SPD – Shallow ponds
- STM – Streams
- SWF – Swamp forests
- UWD – Upland watershed
- VES – Vegetated estuary, epiphytic
- WET – Wetlands
- WLW – Woodlands, near water

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Appendix B

Checklist of Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie

**CHECKLIST OF INVERTEBRATE FAUNA OF OLD WOMAN CREEK ESTUARY,
WATERSHED, AND ADJACENT WATERS OF LAKE ERIE**

**PHYLUM SARCOMASTIGOPHORA (PROTOZOA)
Subphylum Mastigophora**

CLASS DINOFLAGELLATA

Order Gymnodinida

- Gymnodinium fungiforme*

CLASS PHYTOMASTIGOPHORA

Order Cryptomonadida

- Chilomonas* sp.
 Chroomonas norstedtii
 Cryptomonas compressa
 Cryptomonas erosa
 Cryptomonas obovata
 Cryptomonas ovata
 Cryptomonas reflexa
 Cryptomonas tenuis
 Cyathomonas truncata
 Planonephros parvula [= *Sennia parvula*]
 Rhodomonas lacustris
 Rhodomonas lens
 Rhodomonas minuta

Order Chrysomonadida

- Anthophysa steinii*
 Anthophysa vegetans
 Chromulina nana
 Dinobryon bavarium
 Dinobryon sertularia
 Mallomonas elegans
 Mallomonas intermedia
 Microglena sp.
 Monas guttula
 Monas socialis
 Ochromonas ludibunda
 Oikomonas termo
 Physomonas vestita
 Spumella sp.
 Stokesiella sp.

Order Volvocida

- Carteria globosa*
 Chlamydomonas excavata
 Chlamydomonas globosa
 Chlamydomonas gracilis
 Chlamydomonas monadina
 Chlamydomonas reinhardtii
 Chlamydomonas subasymmetrica
 Chlorogonium elongatum
 Chlorogonium euchlorum
 Chlorogonium hyalinum
 Pandorina morum
 Phacotus lenticularis
 Pteromonas sp.

COMMON NAME	FAMILY	LOCATION
dinoflagellate	Gymnodiniidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Hemiselmidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
cryptomonad protozoan	Cryptomonadidae	ES
chrysomonad protozoan	Anthophysidae	ES
chrysomonad protozoan	Anthophysidae	ES
chrysomonad protozoan	Chromulinidae	ES
chrysomonad protozoan	Dinobryonidae	ES
chrysomonad protozoan	Dinobryonidae	ES
chrysomonad protozoan	Mallomonadidae	ES
chrysomonad protozoan	Mallomonadidae	ES
chrysomonad protozoan	Chrysococcidae	ES
chrysomonad protozoan	Ochromonadidae	ES
chrysomonad protozoan	Ochromonadidae	ES
chrysomonad protozoan	Ochromonadidae	ES
chrysomonad protozoan	Chromulinidae	ES
chrysomonad protozoan	Ochromonadidae	ES
chrysomonad protozoan	Ochromonadidae	ES
chrysomonad protozoan	Dinobryonidae	ES
volvocean protozoan	Carteriidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Chlamydomonadidae	ES
volvocean protozoan	Volvocidae	ES
volvocean protozoan	Phacotidae	ES
volvocean protozoan	Phacotidae	ES

CLASS ZOOMASTIGOPHORA

Order Choanoflagellida

	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Codonosiga</i> sp.?	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Codonosigopsis</i> sp.	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Codosiga</i> sp.	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Desmarella</i> sp.	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Diplosiga</i> sp.	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Monosiga ovata</i>	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Monosiga robusta</i>	choanoflagellate	Codonosigidae	ES
<input type="checkbox"/> <i>Poteriodendron petiolatum</i>	choanoflagellate	Salpingoecidae	ES
<input type="checkbox"/> <i>Salpingoeca elegans</i>	choanoflagellate	Salpingoecidae	ES

Order Kinetoplastida

<input type="checkbox"/> <i>Bodo alexeieffii</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo amoebinus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo angustus</i> [= <i>Bodo saliens</i>]	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo caudatus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo celer</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo edax</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo fusiformis</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo globosa</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo minimus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo obovatus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo ovatus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo repens</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo rostratus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo saltans</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo triangularis</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo uncinatus</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Bodo variabilis</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Cercobodo</i> sp.	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Cercomonas crassicauda</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Cercomonas longicauda</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Colponema loxodes</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Pleuromonas jaculans</i>	kinetoplastid protozoan	Bodonidae	ES
<input type="checkbox"/> <i>Rhynchomonas nasuta</i>	kinetoplastid protozoan	Bodonidae	ES

Subphylum Sarcodina

CLASS LOBOSA

Order Amoebida

<input type="checkbox"/> <i>Amoeba</i> sp.	amoeboid protozoan	Amoebidae	ES
<input type="checkbox"/> <i>Cashia limacoides</i>	amoeboid protozoan	Hartmannellidae	ES
<input type="checkbox"/> <i>Centropyxis</i> sp.	amoeboid protozoan	Centropyxidae	ES
<input type="checkbox"/> <i>Hartmannella vermiformis</i>	amoeboid protozoan	Hartmannellidae	ES
<input type="checkbox"/> <i>Hartmannella</i> sp.	amoeboid protozoan	Hartmannellidae	ES
<input type="checkbox"/> <i>Mayorella bigemma</i>	amoeboid protozoan	Paramoebidae	ES
<input type="checkbox"/> <i>Mayorella penardi</i>	amoeboid protozoan	Paramoebidae	ES
<input type="checkbox"/> <i>Oscillosignum proboscidium</i>	amoeboid protozoan	Paramoebidae	ES
<input type="checkbox"/> <i>Striamoeba quadrilineata</i>	amoeboid protozoan	Thecamoebidae	ES
<input type="checkbox"/> <i>Striamoeba</i> sp.	amoeboid protozoan	Thecamoebidae	ES
<input type="checkbox"/> <i>Thecamoeba striata</i>	amoeboid protozoan	Thecamoebidae	ES
<input type="checkbox"/> <i>Trichamoeba</i> sp.	amoeboid protozoan	Amoebidae	ES
<input type="checkbox"/> <i>Vannella miroides</i>	amoeboid protozoan	Thecamoebidae	ES
<input type="checkbox"/> <i>Vexillifera</i> sp.	amoeboid protozoan	Paramoebidae	ES

Order Schizopyrenida

<input type="checkbox"/> <i>Naegleria gruber</i>	amoeboid protozoan	Vahlkampfiidae	ES
<input type="checkbox"/> <i>Vahlkampfia</i> sp.	amoeboid protozoan	Vahlkampfiidae	ES

	COMMON NAME	FAMILY	LOCATION
Order Pelobiotida <input type="checkbox"/> <i>Pelomyxa</i> sp.	amoeboid protozoan	Pelomyxidae	ES
Order Arcellinida <input type="checkbox"/> <i>Arcella discoides</i> <input type="checkbox"/> <i>Arcella vulgaris</i> <input type="checkbox"/> <i>Cochliopodium bilimbosum</i> <input type="checkbox"/> <i>Cochliopodium minus</i> <input type="checkbox"/> <i>Diffugia acuminata</i> <input type="checkbox"/> <i>Diffugia globosa</i> <input type="checkbox"/> <i>Diffugia lobostoma</i> <input type="checkbox"/> <i>Diffugia pyriformis</i> <input type="checkbox"/> <i>Hyalosphenia</i> sp. <input type="checkbox"/> <i>Pseudodiffugia</i> sp.	amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan amoeboid protozoan	Arcellidae Arcellidae Cochliopodiidae Cochliopodiidae Diffugiidae Diffugiidae Diffugiidae Diffugiidae Arcellidae Diffugiidae	ES ES ES ES ES ES ES ES ES ES
CLASS FILOSA			
Order Aconchulinida <input type="checkbox"/> <i>Nuclearia</i> sp. <input type="checkbox"/> <i>Vampyrella lateritia</i>	amoeboid protozoan amoeboid protozoan	Vampyrellidae Vampyrellidae	ES ES
Order Testaceafilosida <input type="checkbox"/> <i>Cyphoderia ampulla</i>	amoeboid protozoan	Cyphoderiidae	ES
CLASS GRANULORETICULOSA			
Order Athalamida <input type="checkbox"/> <i>Biomyxa vagans</i>	amoeboid protozoan	Biomyxidae	ES
Order Foraminiferida <input type="checkbox"/> <i>Diplophrys archeri</i>	amoeboid protozoan	Lagynidae	ES
CLASS HELIOZOA			
Order Actinophryida <input type="checkbox"/> <i>Actinophrys sol</i> <input type="checkbox"/> <i>Actinophrys vesiculata</i> <input type="checkbox"/> <i>Actinosphaerium</i> sp. <input type="checkbox"/> <i>Ciliophrys</i> sp.	heliozoan heliozoan heliozoan heliozoan	Actinophryidae Actinophryidae Actinosphaeridae Ciliophryidae	ES ES ES ES
Order Centrohelida <input type="checkbox"/> <i>Acanthocystis aculeata</i> <input type="checkbox"/> <i>Acanthocystis chaetophora</i> <input type="checkbox"/> <i>Acanthocystis mira</i> <input type="checkbox"/> <i>Acanthocystis myriospina</i> <input type="checkbox"/> <i>Acanthocystis turfacea</i> <input type="checkbox"/> <i>Heterophrys</i> sp. <input type="checkbox"/> <i>Pompholyxophrys</i> sp. <input type="checkbox"/> <i>Raphidiocystis</i> sp. <input type="checkbox"/> <i>Raphidiophrys pallida</i> <input type="checkbox"/> <i>Raphidiophrys</i> sp.	heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan heliozoan	Acanthocystidae Acanthocystidae Acanthocystidae Acanthocystidae Acanthocystidae Acanthocystidae Heterophryidae Acanthocystidae Acanthocystidae Raphidiophryidae Raphidiophryidae	ES ES ES ES ES ES ES ES ES ES ES

PHYLUM CILIOPHORA (PROTOZOA)

CLASS KINETOFRAGMINOPHORA

Order Prostomatida

<input type="checkbox"/> <i>Balanion</i> sp.	ciliated protozoan	Holophryidae	ES
<input type="checkbox"/> <i>Coleps bicuspis</i>	ciliated protozoan	Colepidae	ES
<input type="checkbox"/> <i>Coleps hirtus</i>	ciliated protozoan	Colepidae	ES
<input type="checkbox"/> <i>Coleps octospinus</i>	ciliated protozoan	Colepidae	ES
<input type="checkbox"/> <i>Holophrya nigricans</i>	ciliated protozoan	Holophryidae	ES
<input type="checkbox"/> <i>Holophrya</i> sp.	ciliated protozoan	Holophryidae	ES
<input type="checkbox"/> <i>Placus ovum</i>	ciliated protozoan	Prorodontidae	ES
<input type="checkbox"/> <i>Prorodon discolor</i>	ciliated protozoan	Prorodontidae	ES

Order Prostomatida (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Urotricha armata</i>	ciliated protozoan	Prorodontidae	ES
<input type="checkbox"/> <i>Urotricha farcta</i>	ciliated protozoan	Prorodontidae	ES
<input type="checkbox"/> <i>Urotricha furcata</i>	ciliated protozoan	Prorodontidae	ES
Order Haptorida			
<input type="checkbox"/> <i>Askenasia volvox</i>	ciliated protozoan	Didiniidae	ES
<input type="checkbox"/> <i>Chaenea</i> sp.	ciliated protozoan	Enchelyidae	ES
<input type="checkbox"/> <i>Didinium nasutum</i>	ciliated protozoan	Didiniidae	ES
<input type="checkbox"/> <i>Enchelydium</i> sp.	ciliated protozoan	Spathidiidae	ES
<input type="checkbox"/> <i>Lacrymaria olor</i>	ciliated protozoan	Enchelyidae	ES
<input type="checkbox"/> <i>Mesodinium pulex</i>	ciliated protozoan	Didiniidae	ES
<input type="checkbox"/> <i>Trachelius ovum</i>	ciliated protozoan	Tracheliidae	ES
<input type="checkbox"/> <i>Trachelophyllum pusillum</i>	ciliated protozoan	Enchelyidae	ES
<input type="checkbox"/> <i>Trachelophyllum sigmoides</i>	ciliated protozoan	Enchelyidae	ES
Order Pleurostomatida			
<input type="checkbox"/> <i>Acineria incurvata</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Hemiophrys pleurosigma</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Hemiophrys</i> sp.	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Litonotus anguilla</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Litonotus cygus</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Litonotus fasciola</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Litonotus lamella</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Litonotus</i> sp.	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Loxophyllum uninucleatum</i>	ciliated protozoan	Amphileptidae	ES
<input type="checkbox"/> <i>Loxophyllum</i> sp.	ciliated protozoan	Amphileptidae	ES
Order Colpodida			
<input type="checkbox"/> <i>Cyrtolophosis mucicola</i>	ciliated protozoan	Cyrtolophosidiidae	ES
Order Nassulida			
<input type="checkbox"/> <i>Chilodontopsis opsis</i>	ciliated protozoan	Nassulidae	ES
<input type="checkbox"/> <i>Leptopharynx sphagnetorum</i>	ciliated protozoan	Leptopharyngidae	ES
<input type="checkbox"/> <i>Microthorax simulans</i>	ciliated protozoan	Microthoracidae	ES
<input type="checkbox"/> <i>Trichopelma</i> sp.	ciliated protozoan	Leptopharyngidae	ES
Order Cyrtophorida			
<input type="checkbox"/> <i>Chilodonella acuta</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Chilodonella algivora</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Chilodonella capucina</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Chilodonella labiata</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Chilodonella nana</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Chilodonella uncinata</i>	ciliated protozoan	Chilodonellidae	ES
<input type="checkbox"/> <i>Trochilia palustris</i>	ciliated protozoan	Dysteriidae	ES
<input type="checkbox"/> <i>Trochilia pusillum</i>	ciliated protozoan	Dysteriidae	ES
<input type="checkbox"/> <i>Trochilia sigmoides</i>	ciliated protozoan	Dysteriidae	ES
Order Suctorida			
<input type="checkbox"/> <i>Acineta tuberosa</i>	ciliated protozoan	Acinetidae	ES
<input type="checkbox"/> <i>Sphaerophrya</i> sp.	ciliated protozoan	Podophryidae	ES
<input type="checkbox"/> <i>Tokophrya</i> sp.	ciliated protozoan	Dendrosomatidae	ES
CLASS OLIGOHYMENOPHORA			
Order Hymenostomatida			
<input type="checkbox"/> <i>Frontonia</i> sp.	ciliated protozoan	Frontoniidae	ES
<input type="checkbox"/> <i>Lembadion bullinum</i>	ciliated protozoan	Lembadionidae	ES
<input type="checkbox"/> <i>Paramecium caudatum</i>	ciliated protozoan	Parameciidae	ES
<input type="checkbox"/> <i>Tetrhymena pyriformis</i>	ciliated protozoan	Tetrahymenidae	ES
<input type="checkbox"/> <i>Urocentrum turbo</i>	ciliated protozoan	Urocentridae	ES

	COMMON NAME	FAMILY	LOCATION
Order Scuticociliatida			
<input type="checkbox"/> <i>Calypotricha pleuronemoides</i>	ciliated protozoan	Pleuronematidae	ES
<input type="checkbox"/> <i>Cinetochilum margaritaceum</i>	ciliated protozoan	Cinetochilidae	ES
<input type="checkbox"/> <i>Cristigera phoenix</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium glaucoma</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium litomesum</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium muscicola</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium paucisetum</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium pellucidum</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Cyclidium versatile</i>	ciliated protozoan	Cyclidiida	ES
<input type="checkbox"/> <i>Histiobalantium natans</i>	ciliated protozoan	Histiobalantiidae	ES
<input type="checkbox"/> <i>Pleuronema</i> sp.	ciliated protozoan	Pleuronematidae	ES
<input type="checkbox"/> <i>Uromema</i> sp.	ciliated protozoan	Uronematidae	ES
Order Peritrichida (stalked ciliates)			
<input type="checkbox"/> <i>Vaginicola</i> sp.	stalked ciliated protozoan	Vaginicolidae	ES
<input type="checkbox"/> <i>Vorticella campanula</i>	stalked ciliated protozoan	Vorticellidae	ES
<input type="checkbox"/> <i>Vorticella microstoma</i>	stalked ciliated protozoan	Vorticellidae	ES
<input type="checkbox"/> <i>Vorticella picta</i>	stalked ciliated protozoan	Vorticellidae	ES
<input type="checkbox"/> <i>Vorticella striata</i>	stalked ciliated protozoan	Vorticellidae	ES
<input type="checkbox"/> <i>Zoothamnium</i> sp.	stalked ciliated protozoan	Vorticellidae	ES
CLASS POLYHYMENOPHORA			
Order Heterotrichida			
<input type="checkbox"/> <i>Spirostromum</i> sp.	ciliated protozoan	Spirostomidae	ES
<input type="checkbox"/> <i>Stentor</i> sp.	ciliated protozoan	Stentoridae	ES
Order Oligotrichida			
<input type="checkbox"/> <i>Codonella cratera</i>	ciliated protozoan	Codonellidae	ES
<input type="checkbox"/> <i>Halteria grandunella</i>	ciliated protozoan	Halteriidae	ES
<input type="checkbox"/> <i>Limnostrombidium</i> sp.	ciliated protozoan	Strombidiidae	ES
<input type="checkbox"/> <i>Pelagostrombidium fallax</i>	ciliated protozoan	Strombidiidae	ES
<input type="checkbox"/> <i>Rimostrombidium humile</i>	ciliated protozoan	Strombidiidae	ES
<input type="checkbox"/> <i>Rimostrombidium lacustris</i>	ciliated protozoan	Strombidiidae	ES
<input type="checkbox"/> <i>Strobilidium gyrans</i>	ciliated protozoan	Strombidiidae	ES
<input type="checkbox"/> <i>Tintinnidium fluviatile</i>	ciliated protozoan	Tintinnidae	ES
Order Hypotrichida			
<input type="checkbox"/> <i>Aspidisca costata</i>	ciliated protozoan	Aspidiscidae	ES
<input type="checkbox"/> <i>Aspidisca lynceus</i>	ciliated protozoan	Aspidiscidae	ES
<input type="checkbox"/> <i>Aspidisca steini</i>	ciliated protozoan	Aspidiscidae	ES
<input type="checkbox"/> <i>Balladyna fusiformis</i>	ciliated protozoan	Holostichidae	ES
<input type="checkbox"/> <i>Balladyna ovata</i>	ciliated protozoan	Holostichidae	ES
<input type="checkbox"/> <i>Balladyna parvula</i>	ciliated protozoan	Holostichidae	ES
<input type="checkbox"/> <i>Euplotes</i> sp.	ciliated protozoan	Euplotidae	ES
<input type="checkbox"/> <i>Holostricha vernalis</i>	ciliated protozoan	Holostichidae	ES
<input type="checkbox"/> <i>Hypotrichidium conicum</i>	ciliated protozoan	Spirofilida	ES
<input type="checkbox"/> <i>Keronopsis</i> sp.	ciliated protozoan	Holostichidae	ES
<input type="checkbox"/> <i>Oxytricha aeruginosa</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Oxytricha bifaria</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Oxytricha chlorelligeum</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Oxytricha setigera</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Oxytricha tricornis</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Stichotricha secunda</i>	ciliated protozoan	Strongylidiidae	ES
<input type="checkbox"/> <i>Stylonychia mytilus</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Stylonychia notophora</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Tachysoma pellionella</i>	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Tachysoma</i> sp.	ciliated protozoan	Oxytrichidae	ES
<input type="checkbox"/> <i>Uroleptus</i> sp.	ciliated protozoan	Holostichidae	ES

Order Hypotrichida (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Urostyla grandis</i>	ciliated protozoan	Strongylidiidae	ES
<input type="checkbox"/> <i>Urostyla</i> sp.	ciliated protozoan	Strongylidiidae	ES

PHYLUM PORIFERA

CLASS DEMOSPONGIAE (horny sponges)

Order Haplosclerida

<input type="checkbox"/> <i>Eunapius fragilis</i>	freshwater sponge	Spongillidae	LE
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PHYLUM CNIDARIA [=COELENTERATA]

CLASS HYDROZOA (hydras)

Order Hydroida

<input type="checkbox"/> <i>Hydra americana</i>	hydra	Hydridae	ES
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Order Trachylina

<input type="checkbox"/> <i>Craspedacusta sowerbyi</i>	freshwater jellyfish	Petasiidae	CK TR
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PHYLUM PLATYHELMINTHES

CLASS TURBELLARIA (flatworms)

Order Catenulida (catenulids)

<input type="checkbox"/> <i>Stenostomum</i> sp.	turbellarian flatworm	Stenostomidae	ES
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Order Neorhabdocoela

<input type="checkbox"/> <i>Microdalyellia</i> sp.?	turbellarian flatworm	Dalyelliida	ES
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<input type="checkbox"/> <i>Mesostoma</i> sp.?	turbellarian flatworm	Typhloplanidae	ES
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Order Tricladida (planarians)

<input type="checkbox"/> <i>Dugesia tigrina</i>	planaria	Planariidae	CK
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<input type="checkbox"/> <i>Hymanella retenuova</i>	planaria	Planariidae	ES
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PHYLUM GASTROTRICHA

Order Chaetonotida (gastrotrichs)

<input type="checkbox"/> <i>Chaetonotus</i> sp.	gastrotrich	Chaetonotidae	ES
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PHYLUM ROTIFERA

CLASS BDELLOIDEA (rotifers)

Order Bdelloida

<input type="checkbox"/> <i>Philodina</i> sp.	rotifer	Philodinidae	ES
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<input type="checkbox"/> <i>Rotaria neptunia</i>	rotifer	Philodinidae	ES
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CLASS MONOGONONTA (rotifers)

Order Ploima

<input type="checkbox"/> <i>Ascomorpha ecaudis</i>	rotifer	Gastropodidae	ES
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<input type="checkbox"/> <i>Asplanchna priodonta</i>	rotifer	Asplanchnidae	ES
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<input type="checkbox"/> <i>Brachionus angularis</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus bidentata</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus calyciflorus</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus caudatus</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus havanaensis</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus quadridentatus</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Brachionus urceolaris</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Euchlanis parva</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Kellicottia longispina</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Keratella cochlearis</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Keratella cochlearis</i> forma <i>tecta</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Keratella cochlearis</i> forma <i>typica</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Keratella quadrata</i>	rotifer	Brachionidae	ES
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<input type="checkbox"/> <i>Lecane luna</i>	rotifer	Lecanidae	ES
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Order	COMMON NAME	FAMILY	LOCATION
Order Plouma (continued)			
<input type="checkbox"/> <i>Platylas patulus</i>	rotifer	Brachionidae	ES
<input type="checkbox"/> <i>Ploesoma hudsoni</i>	rotifer	Synchaetidae	ES
<input type="checkbox"/> <i>Polyarthra dolichoptera</i>	rotifer	Synchaetidae	ES
<input type="checkbox"/> <i>Polyarthra remata</i>	rotifer	Synchaetidae	ES
<input type="checkbox"/> <i>Sychaeta kitina</i>	rotifer	Synchaetidae	ES
<input type="checkbox"/> <i>Sychaeta stylata</i>	rotifer	Synchaetidae	ES
<input type="checkbox"/> <i>Trichocerca multicroinis</i>	rotifer	Trichocercidae	ES
<input type="checkbox"/> <i>Trichotria tetractis</i>	rotifer	Brachionidae	ES
Order Floscularicea (rotifers)			
<input type="checkbox"/> <i>Conochilus</i> sp.	rotifer	Conochilidae	LE
<input type="checkbox"/> <i>Filinia</i> sp.	rotifer	Testudinellidae	ES
<input type="checkbox"/> <i>Floscularia</i> sp.	rotifer	Flosculariidae	ES
<input type="checkbox"/> <i>Sinantherina</i> sp.	rotifer	Flosculariidae	ES

PHYLUM NEMATODA

CLASS ADENOPHOREA (roundworms)

Order Enoplida

<input type="checkbox"/> <i>Tobrilus</i> sp.	roundworm	Tripylidae	ES
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Order Dorylaimida

<input type="checkbox"/> <i>Dorylaimus</i> sp.	roundworm	Dorylaimidae	ES
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Order Tylenchida

<input type="checkbox"/> <i>Criconemoides</i> sp.	roundworm	Criconematidae	ES
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PHYLUM MOLLUSCA

CLASS GASTROPODA (snails)

Order Mesogastropoda

<input type="checkbox"/> <i>Cipangopaludina japonicus</i>	Japanese mystery snail	Viviparidae	ES
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Order Basommatophora (freshwater snails)

<input type="checkbox"/> <i>Ferrissia parallela</i>	oblong ancyliid	Ancyliidae	ES
<input type="checkbox"/> <i>Fossaria</i> sp. [= <i>Galba</i> sp.]	fossaria	Lymnaeidae	ES
<input type="checkbox"/> <i>Gyraulus deflectus</i>	flexed gyro	Planorbidae	ES
<input type="checkbox"/> <i>Helisoma anceps anceps</i>	two-ridge rams-horn	Planorbidae	ES
<input type="checkbox"/> <i>Lymnaea megasoma</i> [= <i>Bulimnaea</i> m.]	mammoth lymnaea	Lymnaeidae	ES
<input type="checkbox"/> <i>Physa</i> sp.	physa	Physidae	ES
<input type="checkbox"/> <i>Physella gyrina</i>	tadpole physa	Physidae	ES
<input type="checkbox"/> <i>Pseudosuccinea columella</i>	mimic lymnaea	Lymnaeidae	ES

Order Stylommatophora (land snails)

<input type="checkbox"/> <i>Mesodon thyroidus</i>	white-lip globe	Polygyridae	ES
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CLASS BIVALVIA (clams)

Order Unionoida

<input type="checkbox"/> <i>Amblema plicata plicata</i>	threeridge	Unionoidae	LE
<input type="checkbox"/> <i>Anodontoides ferussacianus</i>	cylindrical papershell	Unionoidae	TR
<input type="checkbox"/> <i>Cyclonaias tuberculata</i>	purple wartyback	Unionoidae	LE
<input type="checkbox"/> <i>Elliptio dilatata</i>	spike	Unionoidae	LE, TR
<input type="checkbox"/> <i>Lampsilis radiata luteola</i>	lampmussel	Unionoidae	LE, TR
<input type="checkbox"/> <i>Lampsilis ventricosa</i>	fatmucket	Unionoidae	LE, TR
<input type="checkbox"/> <i>Lasmigona compressa</i>	creek heelsplitter	Unionoidae	TR
<input type="checkbox"/> <i>Leptodea fragilis</i>	fragile papershell	Unionoidae	LE
<input type="checkbox"/> <i>Ligumia recta</i>	black sandshell	Unionoidae	LE
<input type="checkbox"/> <i>Potamilus alatus</i>	pink heelsplitter	Unionoidae	ES, LE
<input type="checkbox"/> <i>Pyganodongrandis grandis</i>	giant floater	Unionoidae	ES, LE
<input type="checkbox"/> <i>Ptychobranthus fasciolaris</i>	kidneyshell	Unionoidae	LE

Order Unionoida (continued)

	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Quadrula pustulosa pustulosa</i>	pimpleback	Unionoidae	LE
<input type="checkbox"/> <i>Toxolasma parvus</i>	lilliput	Unionoidae	LE
<input type="checkbox"/> <i>Truncilla donaciformis</i>	fawnsfoot	Unionoidae	LE
<input type="checkbox"/> <i>Truncilla truncilla</i>	deertoe	Unionoidae	LE
<input type="checkbox"/> <i>Utterbackia imbecillis</i>	paper pondshell	Unionoidae	ES,LE

Order Veneroida

<input type="checkbox"/> <i>Dreissena bugensis</i>	quagga mussel	Dreissenidae	LE
<input type="checkbox"/> <i>Dreissena polymorpha</i>	zebra mussel	Dreissenidae	ES,LE
<input type="checkbox"/> <i>Musculium securis [=Sphaerium securis]</i>	pond fingernail clam	Pisidiidae	ES
<input type="checkbox"/> <i>Musculium sp.</i>	fingernail clam	Pisidiidae	ES
<input type="checkbox"/> <i>Pisidium compressum</i>	ridge-beak peaclam	Pisidiidae	ES

PHYLUM ANNELIDA

CLASS HIRUDINEA (leeches)

Order Rhynchobdella

<input type="checkbox"/> <i>Batracobdella phalera</i>	leech	Glossiphoniidae	ES
<input type="checkbox"/> <i>Glossiphonia sp.</i>	leech	Glossiphoniidae	ES
<input type="checkbox"/> <i>Helobdella stagnalis</i>	leech	Glossiphoniidae	ES
<input type="checkbox"/> <i>Placobdella sp.</i>	leech	Glossiphoniidae	ES

CLASS OLIGOCHAETA (segmented worms)

Order Lumbriculida

<input type="checkbox"/> <i>Lumbriculus variegatus</i>	aquatic earthworm	Lumbriculidae	ES
<input type="checkbox"/> <i>Stylodrillus heringianus</i>	aquatic earthworm	Lumbriculidae	ES

Order Haplotaxida

<input type="checkbox"/> <i>Aeolosoma headleyi</i>	aquatic earthworm	Aeolosomatidae	ES
<input type="checkbox"/> <i>Aeolosoma hemprichi</i>	aquatic earthworm	Aeolosomatidae	ES
<input type="checkbox"/> <i>Amphichaeta leydigii</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Aulodrilus limnobius</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Aulodrilus pigueti</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Aulodrilus plurisetus</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Branchirua sowerbyi</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Chaetogaster diaphanus</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Chaetogaster diastrophus?</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Chaetogaster limnaei</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Dero nivea</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Dero trifida?</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Dero vaga [=Auloporus vaga]</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Haemonais waldvogeli</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Ilyodrilus templetoni</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus hoffmeisteri</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus maumœnsis</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus profundicola</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus udekemianus</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus cervix</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Limnodrilus claparedeianus</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Nais barbata</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Nais communis</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Nais elinguis</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Nais pardalis</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Nais pseudobtusa</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Nais variabilis</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Ophidonais serpentina</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Pristina longiseta longiseta</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Pristina sima?</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Pristinaella osborni</i>	naidid worm	Naididae	ES

Order Haplotaxida (continued)

	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Pristinella acuminata?</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Pristinella jenkiniae</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Quistadrilus multisetosus</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Rhyacodrilus coccineus</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Telmatodrilus sp.?</i>	tubificid worm	Tubificidae	ES
<input type="checkbox"/> <i>Vejdovskyella comata</i>	naidid worm	Naididae	ES
<input type="checkbox"/> <i>Vejdovskyella intermedia</i>	naidid worm	Naididae	ES

PHYLUM ARTHROPODA

CLASS ARACHNIDA

Order Araneae (spiders)

<input type="checkbox"/> <i>Achaearanea tepidariorum</i>	American house spider	Theridiidae	CK
<input type="checkbox"/> <i>Agelenopsis pennsylvanica</i>	green spider	Agelenidae	CK
<input type="checkbox"/> <i>Agroeca pratensis?</i>	sac spider	Clubionidae	ES
<input type="checkbox"/> <i>Allocosa funerea</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Alopecosa aculeata?</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Anyphaena celer</i>	hunting spider	Anyphaenidae	CK
<input type="checkbox"/> <i>Araneus marmoreus</i>	marbled orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Araneus trifolium</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Argiope aurantia</i>	black & yellow garden spider	Araneidae	CK
<input type="checkbox"/> <i>Argiope trifasciata</i>	banded garden	Araneidae	CK
<input type="checkbox"/> <i>Atopogyna cornupalis</i>	sheet-web weaver	Linyphiidae	CK
<input type="checkbox"/> <i>Bathypantes sp.?</i>	sheet-web weaver	Linyphiidae	CK
<input type="checkbox"/> <i>Callobius sp.?</i>	thread-web weaver	Amaurobiidae	CK
<input type="checkbox"/> <i>Castianeira cingulata</i>	sac spider	Clubionidae	CK
<input type="checkbox"/> <i>Ceraticelus fissiceps</i>	dwarf spider	Linyphiidae	CK
<input type="checkbox"/> <i>Cheiracanthium mildei</i>	sac spider	Clubionidae	CK
<input type="checkbox"/> <i>Cicurina pallida</i>	loose-web weaver	Dictynidae	CK
<input type="checkbox"/> <i>Cirurina robusta</i>	funnel web weaver	Agelenidae	CK
<input type="checkbox"/> <i>Clubiona sp.</i>	sac spider	Clubionidae	CK
<input type="checkbox"/> <i>Clubionoides excepta?</i>	sac spider	Clubionidae	CK
<input type="checkbox"/> <i>Coras medicinalis</i>	funnel web weaver	Agelenidae	CK
<input type="checkbox"/> <i>Coriarachne versicolor?</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Crustulina altera</i>	comb-footed spider	Theridiidae	CK
<input type="checkbox"/> <i>Cyclosa conica</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Dictynia annulipes</i>	loose-web weaver	Dictynidae	CK
<input type="checkbox"/> <i>Dolomedes tenebrosus?</i>	nursery web spider	Pisauridae	CK
<input type="checkbox"/> <i>Eris militaris</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Ero canionis</i>	ambush spider	Mimetidae	ES
<input type="checkbox"/> <i>Eustala anastera</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Frontinella pyramitela</i>	sheet-web weaver	Linyphiidae	CK
<input type="checkbox"/> <i>Gea heptagon</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Habrocestum pulex</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Herpyllus ecclesiasticus</i>	parson spider	Gnaphosidae	CK
<input type="checkbox"/> <i>Hogna helluo</i>	wolf spider	Lycosidae	ES
<input type="checkbox"/> <i>Hogna rabida</i>	wolf spider	Lycosidae	ES
<input type="checkbox"/> <i>Lepthyphantes zebra</i>	sheet-web weaver	Linyphiidae	CK
<input type="checkbox"/> <i>Maevia inclemens?</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Mangora placida</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Meioneta unimaculata</i>	sheet-web weaver	Linyphiidae	CK
<input type="checkbox"/> <i>Metaphidippus sp.</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Micrathena gracilis</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Misumenoides formosipes</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Misumenops asperatus?</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Neoscona crucifera</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Neriene radiata?</i> [or <i>Microlin</i> sp.]	sheet-web weaver	Linyphiidae	CK

Order Araneae (continued)

	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Pardosa milvina</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Pardosa moesta?</i>	thin-legged wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Pardosa saxatilis</i>	wolf spider	Lycosidae	ES
<input type="checkbox"/> <i>Phidippus audax</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Phidippus clarus</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Phidippus whitmani</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Philodromus keyserlingi</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Philodromus vulgaris</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Pholcus phalangioides</i>	cellar spider	Pholcidae	CK
<input type="checkbox"/> <i>Pirata minutus?</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Pisaurina mira</i>	nursery web spider	Pisauridae	CK
<input type="checkbox"/> <i>Pityohyphantes costatus</i>	hammock spider	Linyphiidae	CK
<input type="checkbox"/> <i>Platycryptus undatus</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Salticus scenicus</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Schizocosa avida</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Schizocosa ocreata</i>	wolf spider	Lycosidae	CK
<input type="checkbox"/> <i>Sitticus</i> sp.	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Steatoda borealis</i>	comb-footed spider	Theridiidae	CK
<input type="checkbox"/> <i>Steatoda triangulosa</i>	comb-footed spider	Theridiidae	CK
<input type="checkbox"/> <i>Tetragnatha elongata</i>	stilt-legged spider	Tetragnathidae	CK
<input type="checkbox"/> <i>Tetragnatha laboriosa</i>	long-jawed orb weaver	Tetragnathidae	CK
<input type="checkbox"/> <i>Theridion frondeum</i>	comb-footed spider	Theridiidae	CK
<input type="checkbox"/> <i>Tmarus angulatus</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Trachelas tranquillus</i>	sac spider	Clubionidae	CK
<input type="checkbox"/> <i>Tutelina elegans</i>	jumping spider	Salticidae	CK
<input type="checkbox"/> <i>Verrucosa arenata</i>	orb weaver	Araneidae	CK
<input type="checkbox"/> <i>Xysticus elegans</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Xysticus ferox</i>	crab spider	Thomisidae	CK
<input type="checkbox"/> <i>Xysticus funestus</i>	crab spider	Thomisidae	CK

Order Acariformes (mites)

<input type="checkbox"/> <i>Limnesia</i> sp.	freshwater mite	Limnysiidae	ES
<input type="checkbox"/> <i>Neumania</i> sp.	clam mite	Unionicolidae	ES
<input type="checkbox"/> <i>Unionicola</i> sp.	clam mite	Unionicolidae	ES

CLASS CRUSTACEA (crustaceans)**Subclass Branchiopoda****Order Cladocera (water fleas)**

<input type="checkbox"/> <i>Alona barbulata?</i>	water flea	Chydoridae	CK,ES
<input type="checkbox"/> <i>Alona</i> cf. <i>circumfimbriata</i>	water flea	Chydoridae	CK
<input type="checkbox"/> <i>Alona costata</i>	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Alona guttata</i>	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Alona quadrangularis</i>	water flea	Chydoridae	CK,ES,LE
<input type="checkbox"/> <i>Alonella excisa</i> [or <i>Alonella exigua?</i>]	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Alonella hamulata</i>	water flea	Chydoridae	CK,ES
<input type="checkbox"/> <i>Alonella nana</i>	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Alonella setulosa</i>	water flea	Chydoridae	ES,LE
<input type="checkbox"/> <i>Bosmina longirostris</i>	water flea	Bosminidae	ES
<input type="checkbox"/> <i>Bythotrephes cederstroemi</i>	spiny water flea	Cercopagidae	LE
<input type="checkbox"/> <i>Ceriodaphnia lacustris</i>	water flea	Daphnidae	CK,ES
<input type="checkbox"/> <i>Ceriodaphnia quadrangula</i>	water flea	Daphnidae	ES
<input type="checkbox"/> <i>Ceriodaphnia reticulata</i>	water flea	Daphnidae	ES
<input type="checkbox"/> <i>Chydorus sphaericus</i>	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Daphnia catawba</i>	water flea	Daphnidae	LE
<input type="checkbox"/> <i>Daphnia galeata mendotae</i>	water flea	Daphnidae	CK,ES,LE
<input type="checkbox"/> <i>Daphnia parvula</i>	water flea	Daphnidae	CK,LE
<input type="checkbox"/> <i>Daphnia retrocurva</i>	water flea	Daphnidae	CK,ES,LE
<input type="checkbox"/> <i>Diaphanosoma birgei</i>	water flea	Sididae	CK,ES,LE

	COMMON NAME	FAMILY	LOCATION
Order Cladocera (continued)			
<input type="checkbox"/> <i>Disparalona leei</i>	water flea	Chydoridae	CK,ES,LE
<input type="checkbox"/> <i>Eubosmina coregoni</i> [= <i>Bosmina coregoni</i>]	water flea	Bosminidae	CK,ES,LE
<input type="checkbox"/> <i>Ilyocryptus sordidus</i>	water flea	Macrothricidae	CK,ES,LE
<input type="checkbox"/> <i>Latona setifera</i>	water flea	Sididae	ES
<input type="checkbox"/> <i>Leptodora kindtii</i>	large water flea	Leptodoridae	LE
<input type="checkbox"/> <i>Leydigia acanthocercoides</i>	water flea	Chydoridae	ES
<input type="checkbox"/> <i>Leydigia leydigi</i>	water flea	Chydoridae	CK,ES,LE
<input type="checkbox"/> <i>Macrothrix laticornis</i>	water flea	Macrothricidae	CK,ES
<input type="checkbox"/> <i>Moina micrura</i>	water flea	Moinidae	CK,ES
<input type="checkbox"/> <i>Pleuroxus cf. denticulatus</i>	water flea	Chydoridae	CK,ES
<input type="checkbox"/> <i>Pleuroxus procurvus</i>	water flea	Chydoridae	CK,ES
<input type="checkbox"/> <i>Pseudochydorus globosus</i>	water flea	Chydoridae	CK,ES
<input type="checkbox"/> <i>Scapholeberis kingi</i>	water flea	Daphnidae	ES
<input type="checkbox"/> <i>Scapholeberis mucronata</i>	water flea	Daphnidae	ES
<input type="checkbox"/> <i>Sida crystallina</i>	water flea	Sididae	ES
<input type="checkbox"/> <i>Simocephalus serrulatus</i>	water flea	Daphnidae	CK,ES
Subclass Ostracoda (seed shrimps)			
Order Podocopina			
<input type="checkbox"/> <i>Candona simpsoni</i>	seed shrimp	Candonidae	ES
<input type="checkbox"/> <i>Cypria maculata</i>	seed shrimp	Cypridae	ES
<input type="checkbox"/> <i>Cypria ophthalmica</i>	seed shrimp	Cypridae	ES
<input type="checkbox"/> <i>Cypria pellucida</i>	seed shrimp	Cypridae	ES
<input type="checkbox"/> <i>Cypridopsis vidua</i>	seed shrimp	Cypridopsidae	ES
<input type="checkbox"/> <i>Darwinula stevensoni</i>	seed shrimp	Darwinulidae	ES
<input type="checkbox"/> <i>Pelocypris</i> sp.	seed shrimp	Ilyocypridae	ES
<input type="checkbox"/> <i>Physocypria pustulosa</i>	seed shrimp	Cypridae	ES
Subclass Copepoda (copepods)			
Order Calanoida			
<input type="checkbox"/> <i>Diaptomus</i> sp.	copepod	Diaptomidae	ES
<input type="checkbox"/> <i>Epischura lacustris</i>	copepod	Temoridae	ES
<input type="checkbox"/> <i>Eurytemora affinis</i>	copepod	Temoridae	CK,ES,LE
<input type="checkbox"/> <i>Leptodiaptomus ashlandi</i>	copepod	Diaptomidae	CK,ES,LE
<input type="checkbox"/> <i>Leptodiaptomus minutus</i>	copepod	Diaptomidae	ES,LE
<input type="checkbox"/> <i>Leptodiaptomus sicilis</i>	copepod	Diaptomidae	ES,LE
<input type="checkbox"/> <i>Leptodiaptomus siciloides</i>	copepod	Diaptomidae	CK,ES,LE
<input type="checkbox"/> <i>Skistodiaptomus oregonesis</i>	copepod	Diaptomidae	CK,ES,LE
<input type="checkbox"/> <i>Skistodiaptomus pallidus</i>	copepod	Diaptomidae	CK,ES
Order Cyclopoida			
<input type="checkbox"/> <i>Acanthocyclops vernalis sensu lato</i>	copepod	Cyclopidea	CK,ES,LE
<input type="checkbox"/> <i>Cyclops varicans rubellus?</i>	copepod	Cyclopidea	CK,ES,LE
<input type="checkbox"/> <i>Diacyclops cf. navus</i>	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Diacyclops nearcticus</i>	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Diacyclops thomasi</i>	copepod	Cyclopidea	CK,ES,LE
<input type="checkbox"/> <i>Eucyclops agilis</i>	copepod	Cyclopidea	ES,LE
<input type="checkbox"/> <i>Eucyclops elegans</i> [= <i>E. speratus</i>]	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Macrocyclus albidus</i>	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Mesocyclops edax</i>	copepod	Cyclopidea	CK,ES,LE
<input type="checkbox"/> <i>Microcyclops varicans rubellus</i>	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Paracyclops fimbriatus poppei</i>	copepod	Cyclopidea	ES
<input type="checkbox"/> <i>Tropocyclops prasinus mexicanus</i>	copepod	Cyclopidea	CK,ES,LE
Order Harpacticoida			
<input type="checkbox"/> <i>Attheyella illinoisensis</i>	copepod	Canthocamptidae	ES
<input type="checkbox"/> <i>Bryocamptus</i> sp.	copepod	Canthocamptidae	ES
<input type="checkbox"/> <i>Canthocamptus robertcokeri</i>	copepod	Canthocamptidae	ES
<input type="checkbox"/> <i>Nitocra hibernica</i>	copepod	Canthocamptidae	ES

	COMMON NAME	FAMILY	LOCATION
Subclass Branchiura Order Arguloida (fish lice) <input type="checkbox"/> <i>Argulus</i> sp.	fish louse	Argulidae	ES
Subclass Malacostraca Order Isopoda (sowbugs) <input type="checkbox"/> <i>Asellus</i> sp. [= <i>Caecidotea</i> sp.] <input type="checkbox"/> <i>Caecidotea racovitzai racovitzai</i>	aquatic sowbug aquatic sowbug	Asellidae Asellidae	ES ES
Order Amphipoda (scuds) <input type="checkbox"/> <i>Crangonyx gracilis</i> <input type="checkbox"/> <i>Gammarus fasciatus</i> <input type="checkbox"/> <i>Gammarus pseudolimnaeus</i> <input type="checkbox"/> <i>Hyaella azteca</i>	sideswimmer sideswimmer sideswimmer sideswimmer	Gammaridae Gammaridae Gammaridae Talitridae	ES ES ES ES
Order Decapoda (crayfishes & shrimps) <input type="checkbox"/> <i>Cambarus diogenes</i> <input type="checkbox"/> <i>Orconectes rusticus</i> <input type="checkbox"/> <i>Palaemonetes kadiakensis</i>	devil crawfish rusty crayfish Mississippi glass shrimp	Cambaridae Cambandae Palaemonidae	ES ES ES
CLASS INSECTA (insects) Order Collembola (springtails) <input type="checkbox"/> entomobryid sp. <input type="checkbox"/> isotomid sp.	springtail springtail	Entomobryidae Isotomidae	CK,ES ES
Order Diplura (diplurans) <input type="checkbox"/> dipluran sp.	dipluran	Campodeidae	CK
Order Thysanura (bristletails) <input type="checkbox"/> lepismatid sp.	silverfish	Lepismatidae	CK
Order Ephemeroptera (mayflies) <input type="checkbox"/> <i>Baetis</i> sp. <input type="checkbox"/> <i>Caenis simulans</i> <input type="checkbox"/> <i>Ephemera</i> sp. <input type="checkbox"/> <i>Ephemerella</i> sp. <input type="checkbox"/> <i>Ephoron</i> sp. <input type="checkbox"/> <i>Heptagenia pulla</i> <input type="checkbox"/> <i>Heptagenia</i> sp. <input type="checkbox"/> <i>Hexagenia limbata</i> <input type="checkbox"/> <i>Isonychia sicca</i> <input type="checkbox"/> <i>Leptophlebia</i> sp. <input type="checkbox"/> <i>Stenacron</i> sp. <input type="checkbox"/> <i>Stenonema femoratum</i>	bluewing olive squaregill mayfly burrowing mayfly spiny crawler pale burrowing mayfly flatheaded mayfly flatheaded mayfly burrowing mayfly brushlegged mayfly pronggill mayfly flatheaded mayfly or yellow may flatheaded mayfly or pale red fox	Baetidae Caenidae Ephemeridae Ephemerellidae Polymitarcyidae Heptageniidae Heptageniidae Ephemeridae Oligoneuriidae Leptophlebioidae Heptageniidae Heptageniidae	ES TR CK TR CK TR CK CK ES CK ES CK TR CK
Order Odonata (damselflies & dragonflies) <input type="checkbox"/> <i>Aeshna</i> sp. <input type="checkbox"/> <i>Anax junius</i> <input type="checkbox"/> <i>Argia fumipennis</i> <input type="checkbox"/> <i>Argia tibialis</i> <input type="checkbox"/> <i>Argia translata</i> <input type="checkbox"/> <i>Argia apicalis</i> <input type="checkbox"/> <i>Argia meosta</i> <input type="checkbox"/> <i>Argia violacea</i> <input type="checkbox"/> <i>Calopteryx maculata</i> [= <i>Agrion maculatus</i>] <input type="checkbox"/> <i>Calopteryx</i> sp. <input type="checkbox"/> <i>Celithemis elisa</i> <input type="checkbox"/> <i>Chromagrion</i> sp. <input type="checkbox"/> <i>Dromogomphus spinosus</i> <input type="checkbox"/> <i>Dromogomphus spoliatus</i>	blue darner or paddletail big green darner dancer dancer dancer dancer dancer dancer purple damselfly or violet dancer blackwinged damselfly bandwing damselfly spotted skimmer or calico pennant variegated damsel spinylegged clubtail spinylegged clubtail	Aeshnidae Aeshnidae Coenagrionidae Coenagrionidae Coenagrionidae Coenagrionidae Coenagrionidae Coenagrionidae Coenagrionidae Calopterygidae Calopterygidae Libellulidae Coenagrionidae Gomphidae Gomphidae	ES ES CK TR CK,ES TR ES ES ES ES CK TR ES CK TR TR TR TR

	COMMON NAME	FAMILY	LOCATION
Order Odonata (continued)			
<input type="checkbox"/> <i>Enallagma antennatum</i>	bluet	Coenagrionidae	CK,ES
<input type="checkbox"/> <i>Enallagma civile</i>	civil bluet	Coenagrionidae	CK,ES
<input type="checkbox"/> <i>Enallagma exsulans</i>	bluet	Coenagrionidae	CK
<input type="checkbox"/> <i>Enallagma signatum</i>	bluet	Coenagrionidae	CK
<input type="checkbox"/> <i>Enallagma vespersum</i>	bluet	Coenagrionidae	ES
<input type="checkbox"/> <i>Epitheca princeps</i>	royal skimmer	Corduliidae	ES
<input type="checkbox"/> <i>Erythemis simplicicollis</i>	eastern pondhawk	Libellulidae	CK,ES,TR
<input type="checkbox"/> <i>Hagenius brevistylus</i>	black dragonfly	Gomphidae	TR
<input type="checkbox"/> <i>Hetaerina americana</i>	American ruby spot	Calopterygidae	ES
<input type="checkbox"/> <i>Ischnura posita</i>	forktail	Coenagrionidae	CK,ES
<input type="checkbox"/> <i>Ischnura verticalis</i>	forktail	Coenagrionidae	CK,ES
<input type="checkbox"/> <i>Lestes forcipatus</i>	marsh spreadwing	Lestidae	TR
<input type="checkbox"/> <i>Leucorrhinia</i> sp.	whitefaced skimmer	Libellulidae	ES
<input type="checkbox"/> <i>Libellula luctuosa</i>	widow dragonfly	Libellulidae	CK,TR
<input type="checkbox"/> <i>Libellula pulchella</i>	tenspot dragonfly	Libellulidae	CK,ES
<input type="checkbox"/> <i>Macromia illinoiensis</i>	river skimmer	Macromiidae	TR
<input type="checkbox"/> <i>Macromia taeniolata</i>	river skimmer	Macromiidae	TR
<input type="checkbox"/> <i>Nehalennia irene</i>	green damsel	Coenagrionidae	ES
<input type="checkbox"/> <i>Pachydiplax longipennis</i>	blue pirate	Libellulidae	ES
<input type="checkbox"/> <i>Pantala flavescens</i>	yellow skimmer	Libellulidae	TR
<input type="checkbox"/> <i>Pantala hymenea</i>	globe skimmer	Libellulidae	CK,ES,TR
<input type="checkbox"/> <i>Perithemis tenera</i>	eastern amber-winged skimmer	Libellulidae	CK,ES,TR
<input type="checkbox"/> <i>Plathemis lydia</i>	common white-tailed skimmer	Libellulidae	CK,TR
<input type="checkbox"/> <i>Sympetrum rubicundulum</i>	red skimmer	Libellulidae	TR
<input type="checkbox"/> <i>Sympetrum semicinctum</i>	red skimmer	Libellulidae	TR
<input type="checkbox"/> <i>Tamea lacerata</i>	raggedy skimmer	Libellulidae	TR
<input type="checkbox"/> <i>Tamea onusta</i>	red saddlebags dragonfly	Libellulidae	CK
Order Blattaria (cockroaches)			
<input type="checkbox"/> <i>Blatta orientalis</i> ?	Oriental cockroach	Blattellidae	CK
<input type="checkbox"/> <i>Parcoblatta</i> sp.?	wood cockroach	Blattellidae	CK
<input type="checkbox"/> <i>Periplaneta americana</i> ?	American cockroach	Blattellidae	CK
Order Mantodea (mantids)			
<input type="checkbox"/> <i>Tenodera aridifolia sinensis</i>	Chinese mantid or praying mantis	Mantidae	CK,TR
Order Isoptera (termites)			
<input type="checkbox"/> <i>Reticulitermes flavipes</i>	eastern subterranean termite	Rhinotermitidae	CK
Order Orthoptera (crickets & grasshoppers)			
<input type="checkbox"/> acridid sp.	eastern lubber grasshopper	Acrididae	CK
<input type="checkbox"/> <i>Ceuthophilus</i> sp.	camel or cave cricket	Gryllacrididae	CK
<input type="checkbox"/> cyrtacanthacridin sp.	spur-throated grasshopper	Acrididae	CK
<input type="checkbox"/> <i>Ellipes minuta minuta</i>	pygmy mole cricket	Tridactylidae	ES,TR
<input type="checkbox"/> <i>Gryllus</i> sp.	field cricket	Gryllidae	CK
<input type="checkbox"/> <i>Microcentrum rhombifolium</i>	broad-winged katydid	Tettigoniidae	CK
<input type="checkbox"/> <i>Neocurtilla hexadactyla</i>	northern mole cricket	Gryllotalpidae	CK
<input type="checkbox"/> <i>Nomotetrix cristatus</i>	pygmy grasshopper	Tetrigidae	TR
<input type="checkbox"/> oedipidin sp.	band-winged grasshopper	Acrididae	CK
<input type="checkbox"/> <i>Paratettix cueullatus</i>	pygmy grasshopper	Tetrigidae	TR
<input type="checkbox"/> <i>Pterophylla camellifolia</i>	northern katydid	Tettigoniidae	CK
<input type="checkbox"/> tetrigid sp.	pygmy grasshopper	Tetrigidae	CK
<input type="checkbox"/> tridactylid sp.	pygmy mole cricket	Tridactylidae	ES
Order Dermaptera (earwigs)			
<input type="checkbox"/> <i>Euborellia annulipes</i> ?	ring-legged earwig	Labiduridae	TR
<input type="checkbox"/> <i>Forficula auricularia</i> ?	European earwig	Forficulidae	CK
<input type="checkbox"/> <i>Labia</i> sp.?	little earwig	Labiidae	CK

	COMMON NAME	FAMILY	LOCATION
Order Plecoptera (stoneflies)			
<input type="checkbox"/> <i>Acroneuria</i> sp.	stonefly	Perlidae	TR
<input type="checkbox"/> <i>Allocapina recta</i>	spring stonefly	Capniidae	CK
<input type="checkbox"/> <i>Allocapina vivapara</i>	spring stonefly	Capniidae	CK
<input type="checkbox"/> chloroperlid sp.	green stonefly	Chloroperlidae	CK
<input type="checkbox"/> <i>Isoperla duplicata</i>	green-winged stonefly	Perlodidae	CK
<input type="checkbox"/> nemourid sp.	broadback stonefly	Nemouridae	CK
<input type="checkbox"/> <i>Neoperla</i> sp.	stonefly	Perlidae	TR
<input type="checkbox"/> <i>Neophasganophora</i> sp.	great stonefly	Perlidae	TR
<input type="checkbox"/> <i>Paragnetina</i> sp.	stonefly	Perlidae	CK,TR
<input type="checkbox"/> <i>Perlesta</i> sp.	stonefly	Perlidae	TR
<input type="checkbox"/> <i>Perlinella</i> sp.	stonefly	Perlidae	TR
<input type="checkbox"/> taeniopterygid sp.	broadback stonefly	Taeniopterygida	CK
Order Thysanoptera (thrips)			
<input type="checkbox"/> aeolothripid sp.	banded thrips	Aeolothripidae	CK
<input type="checkbox"/> phlaeothripid sp.	mullin thrips	Phlaeothripidae	CK
<input type="checkbox"/> thripid sp.	thrips	Thripidae	ES
Order Hemiptera (true bugs)			
<input type="checkbox"/> alydid sp.	broad-headed bug	Alydidae	CK
<input type="checkbox"/> <i>Anasa tristis</i>	squash bug	Coreidae	CK
<input type="checkbox"/> <i>Aquarius</i> sp.	water strider	Gerridae	TR
<input type="checkbox"/> <i>Aradus</i> sp.	flat bug	Aradidae	CK
<input type="checkbox"/> <i>Arhyssus lateralis</i>	scentless plant bug	Rhopalidae	CK
<input type="checkbox"/> <i>Belostoma flumineum</i>	giant water bug	Belostomatidae	ES
<input type="checkbox"/> <i>Corisella inscripta</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Corythuca pruni</i>	lace bug	Tingidae	CK
<input type="checkbox"/> cydnid sp.	burrower bug	Cydnidae	CK
<input type="checkbox"/> <i>Euschistus icterius</i>	stink bug	Pentatomidae	CK
<input type="checkbox"/> <i>Gelastocoris</i> sp.	toad bug	Gelastocoridae	TR
<input type="checkbox"/> <i>Geocoris uliginosis</i>	big-eyed bug	Lygaeidae	CK
<input type="checkbox"/> <i>Gerris buenoi</i>	water strider	Gerridae	ES
<input type="checkbox"/> <i>Gerris canaliculatus</i>	water strider	Gerridae	ES
<input type="checkbox"/> <i>Gerris comatus</i>	water strider	Gerridae	ES
<input type="checkbox"/> <i>Gerris marginatus</i>	water strider	Gerridae	ES
<input type="checkbox"/> <i>Gerris remigis</i>	water strider	Gerridae	ES
<input type="checkbox"/> <i>Hesperocorixa lucida</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Hesperocorixa</i> sp.	water boatman	Corixidae	TR
<input type="checkbox"/> <i>Hoplistoscelus sordidus</i>	damsel bug	Nabidae	CK
<input type="checkbox"/> <i>Hydrometra martini</i>	water measurer	Hydrometridae	ES
<input type="checkbox"/> <i>Hydrometra</i> sp.	water measurer	Hydrometridae	CK
<input type="checkbox"/> <i>Lasiomerus</i> sp.	damsel bug	Nabidae	CK
<input type="checkbox"/> <i>Leptocoris trivittatus</i>	boxelder bug	Rhopalidae	CK
<input type="checkbox"/> <i>Leptoglossus oppositus?</i>	lead-footed bug	Coreidae	CK
<input type="checkbox"/> <i>Leptoptera dolabrata</i>	meadow plant bug	Miridae	CK
<input type="checkbox"/> <i>Lygaeus kalmii</i>	small milkweed bug	Lygaeidae	CK
<input type="checkbox"/> <i>Lygus lineolaris?</i>	tarnished plant bug	Miridae	CK
<input type="checkbox"/> <i>Merragata</i> sp.	velvet water bug	Hebridae	TR
<input type="checkbox"/> <i>Mesovelia mulsanti</i>	water treader	Mesoveliidae	ES
<input type="checkbox"/> <i>Mesovelia</i> sp.	water treader	Mesoveliidae	ES
<input type="checkbox"/> <i>Metrobates hesperius</i>	water strider	Gerridae	TR
<input type="checkbox"/> <i>Micracanthia</i> sp.	shore bug	Saldidae	CK,ES
<input type="checkbox"/> <i>Microvelia</i> sp.?	small water strider	Veliidae	CK,TR
<input type="checkbox"/> <i>Myodocha serripes</i>	seed bug	Lygaeidae	CK
<input type="checkbox"/> <i>Nabis</i> sp.	damsel bug	Nabidae	CK
<input type="checkbox"/> <i>Nepa</i> sp.	oval water scorpion	Nepidae	TR
<input type="checkbox"/> <i>Notonecta irrorata</i>	backswimmer	Notonectidae	ES

Order Hemiptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Notonecta raleighi lunata</i>	backswimmer	Notonectidae	ES
<input type="checkbox"/> <i>Notonecta undulata</i>	backswimmer	Notonectidae	ES
<input type="checkbox"/> <i>Orius insidiosus</i>	insidious flower bug	Anthocoridae	CK
<input type="checkbox"/> <i>Palmacorixa buenoi</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Palmacorixa nana</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Palmacorixa</i> sp.	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Pelocoris</i> sp.	creeping water bug	Naucoridae	ES
<input type="checkbox"/> <i>Peocilocapsus lineatus</i>	four-lined leaf bug	Miridae	CK
<input type="checkbox"/> <i>Phymata pennsylvanica</i>	ambush bug	Phymatidae	CK
<input type="checkbox"/> <i>Ranatra fusca</i>	sticklike water scorpion	Nepidae	ES
<input type="checkbox"/> <i>Ranatra nigra</i>	sticklike water scorpion	Nepidae	ES
<input type="checkbox"/> <i>Ranatra</i> sp.	sticklike water scorpion	Nepidae	ES TR
<input type="checkbox"/> <i>Rhagovelia</i> sp.	small water strider	Veliidae	CK TR
<input type="checkbox"/> <i>Rheumatobates</i> sp.	water strider	Gerridae	TR
<input type="checkbox"/> scutellerid sp.	shield-backed bug	Scutelleridae	ES
<input type="checkbox"/> <i>Sigara alternata</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Sigara modesta</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Sigara</i> sp.	water boatman	Corixidae	CK ES, TR
<input type="checkbox"/> <i>Sinea diadema</i>	assassin bug	Reduviidae	CK
<input type="checkbox"/> <i>Thyanta pallido-virens</i>	green stink bug	Pentatomidae	CK
<input type="checkbox"/> thyreocorid sp.	negro bug	Thyreocoridae	CK
<input type="checkbox"/> tingid sp.	lace bug	Tingidae	ES
<input type="checkbox"/> <i>Trepobates</i> sp.	water strider	Gerridae	CK ES, TR
<input type="checkbox"/> <i>Trichocorixa calva</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Trichocorixa kanza</i>	water boatman	Corixidae	ES
<input type="checkbox"/> <i>Trichocorixa</i> sp.	water boatman	Corixidae	CK ES
<input type="checkbox"/> <i>Zelus exsanguis</i>	assassin bug	Reduviidae	CK
Order Homoptera (cicadas, hoppers, aphids, & scale insects)			
<input type="checkbox"/> acanaloniid sp.	planthopper	Acanaloniidae	CK
<input type="checkbox"/> <i>Adelges abeitis</i>	eastern spruce gall adelgid	Adelgidae	CK
<input type="checkbox"/> <i>Adelges cooleyi</i>	Cooley spruce gall adelgid	Adelgidae	CK
<input type="checkbox"/> <i>Aphis pomi</i>	green apple aphid	Aphididae	CK
<input type="checkbox"/> <i>Cacopsylla pyricola</i>	pear psylla	Psyllidae	CK
<input type="checkbox"/> <i>Daktulosphaira vitifoliae</i>	grape phylloxera	Phylloxeridae	CK
<input type="checkbox"/> <i>Draeculacephala mollipes</i>	cicadellin leafhopper	Cicadellidae	CK
<input type="checkbox"/> <i>Dysaphis plantaginea</i>	rosy apple aphid	Aphididae	CK
<input type="checkbox"/> <i>Empoascus fabae</i>	potato leafhopper	Cicadellidae	CK
<input type="checkbox"/> <i>Eriosoma lanigerum</i>	wooly aphid	Aphididae	CK
<input type="checkbox"/> <i>Graphocephala coccinea</i>	colorful leafhopper	Cicadellidae	CK
<input type="checkbox"/> <i>Melaphis rhois?</i>	sumac gall	Aphididae	CK
<input type="checkbox"/> membracid sp.	treehopper	Membracidae	CK, ES
<input type="checkbox"/> <i>Myzus cerasi</i>	black cherry aphid	Aphididae	CK
<input type="checkbox"/> <i>Myzus persicae</i>	green peach aphid	Aphididae	CK
<input type="checkbox"/> <i>Pachypsylla celtidismamma</i>	hackberry nipple gall	Psyllidae	CK
<input type="checkbox"/> <i>Penthima americana</i>	gyponin leafhopper	Cicadellidae	CK
<input type="checkbox"/> <i>Periphyllus lyropictus</i>	Norway maple aphid	Aphididae	CK
<input type="checkbox"/> <i>Philaenus spumarius</i>	meadow spittlebug	Cercopidae	CK
<input type="checkbox"/> <i>Phylloxera caryaecaulis?</i>	shag-bark hickory gall	Phylloxeridae	CK
<input type="checkbox"/> <i>Quadraspidiotus perniciosus</i>	San Jose scale	Diaspididae	CK
<input type="checkbox"/> <i>Tibicen canicularis</i>	dog day cicada	Cicadidae	CK
<input type="checkbox"/> <i>Tibicen linnei</i>	dog day cicada	Cicadidae	CK
<input type="checkbox"/> <i>Typhlocyba pomaria</i>	white apple leafhopper	Cicadellidae	CK
Order Neuroptera (nerve-wing insects)			
<input type="checkbox"/> <i>Chauliodes</i> sp.	hellgrammite or fishfly	Corydalidae	CK, ES
<input type="checkbox"/> <i>Chrysopa oculata</i>	golden eye	Chrysopidae	CK

Order Coleoptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Dineutus</i> sp.	whirligig beetle	Gyrinidae	CK, ES
<input type="checkbox"/> <i>Disonycha</i> sp.	leaf beetle	Chrysomelidae	CK
<input type="checkbox"/> <i>Donacia</i> sp.	leaf beetle	Chrysomelidae	ES
<input type="checkbox"/> <i>Dubiraphia bivittata</i>	rifle beetle	Elmthidae	ES
<input type="checkbox"/> <i>Dubiraphia</i> sp.	rifle beetle	Elmthidae	ES, TR
<input type="checkbox"/> <i>Dytiscus fasciventris</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Elaphidionoides</i> sp. [=Elaphidion]	longhorn twig pruner beetle	Cerambycidae	CK
<input type="checkbox"/> <i>Elaprus ruscarius</i>	marsh or bog beetle	Carabidae	CK
<input type="checkbox"/> <i>Ellychnia</i> sp.	firefly or lightningbug	Lampyridae	CK
<input type="checkbox"/> endomychid sp.	handsome fungus beetle	Endomychidae	CK
<input type="checkbox"/> <i>Enochrus hamiltoni</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Enochrus ochraceus</i>	water scavenger beetle	Hydrophilidae	CK, ES
<input type="checkbox"/> <i>Enochrus perplexus</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Enochrus pygmaeus nebulosus</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Enochrus sayi</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Epicauta</i> sp.	blister beetle	Meloidae	CK
<input type="checkbox"/> <i>Epilachna varivestis</i>	Mexican bean beetle	Coccinellidae	CK
<input type="checkbox"/> erotylid sp.?	pleasing fungus beetle	Erotylidae	CK
<input type="checkbox"/> <i>Euphoria inda</i> ?	bumble flower beetle	Scarabaeidae	CK
<input type="checkbox"/> <i>Glischrochilus fasciatus</i>	cryptarchin sap beetle	Nitidulidae	CK
<input type="checkbox"/> <i>Halipilus borealis</i>	crawling water beetle	Halipilidae	ES
<input type="checkbox"/> <i>Halipilus immaculicollis</i>	crawling water beetle	Halipilidae	ES
<input type="checkbox"/> <i>Halipilus triopsis</i>	crawling water beetle	Halipilidae	ES, TR
<input type="checkbox"/> <i>Harmonia axyridis</i>	Asiatic lady beetle	Coccinellidae	CK
<input type="checkbox"/> <i>Harpalus compar</i>	ground beetle	Carabidae	CK
<input type="checkbox"/> <i>Harpalus herbivagus</i>	ground beetle	Carabidae	CK
<input type="checkbox"/> <i>Helichus</i> sp.	long-toed water beetle	Dryopidae	CK, ES
<input type="checkbox"/> <i>Helophorus lineatus</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Helophorus orientalis</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Helophorus marginicollis</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Helophorus</i> sp.	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Heterocerus</i> sp.	variegated mud-loving beetle	Heteroceridae	ES, TR
<input type="checkbox"/> <i>Heterosternuta wickhami</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Hippodamia convergens</i> ?	covergent ladybird beetle	Coccinellidae	CK
<input type="checkbox"/> <i>Hister foedatus</i>	hister beetle	Histeridae	CK
<input type="checkbox"/> <i>Homaetarsus</i> sp.?	rove beetle	Staphylinidae	CK
<input type="checkbox"/> <i>Hoplia</i> sp.	grapevine beetle	Scarabaeidae	CK
<input type="checkbox"/> <i>Hydrobius fuscipes</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Hydrocanthus iricolor</i>	burrowing water beetle	Noteridae	ES
<input type="checkbox"/> <i>Hydrochara leechi</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Hydrochara obtusata</i>	water scavenger beetle	Hydrophilidae	TR
<input type="checkbox"/> <i>Hydrochara</i> sp.	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Hydrophilus</i> sp.	water scavenger beetle	Hydrophilidae	TR
<input type="checkbox"/> <i>Hydroporus niger</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Hydroporus</i> sp.	diving beetle	Dytiscidae	CK, ES
<input type="checkbox"/> <i>Hydrovatus</i> sp.	diving beetle	Dytiscidae	CK, ES
<input type="checkbox"/> <i>Hygrotus dissimilis</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Hygrotus impressopunctatus</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Hygrotus sayi</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Hyperodes</i> sp.	weevil	Curculionidae	TR
<input type="checkbox"/> <i>Ilybius</i> sp.	diving beetle	Dytiscidae	CK
<input type="checkbox"/> <i>Laccobius</i> sp.	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Laccophilus maculosus maculosus</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>Laccophilus</i> sp.	diving beetle	Dytiscidae	CK
<input type="checkbox"/> <i>Leptinotarsa decemlineata</i>	Colorado potato beetle	Chrysomelidae	CK
<input type="checkbox"/> leptodirin sp.	small carrion beetle	Leiodidae	CK
<input type="checkbox"/> <i>Lucidota atra</i>	firefly or lightningbug	Lampyridae	CK

Order Coleoptera (continued)

	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Lucidota punctata</i>	firefly or lightningbug	Lampyridae	CK
<input type="checkbox"/> <i>lyctin sp.?</i>	powder-post beetle	Bostrichidae	CK
<input type="checkbox"/> <i>Lytta aenea?</i>	blister beetle	Meloidae	CK
<input type="checkbox"/> <i>Macroductylus subspinosus</i>	rose chafer	Scarabaeidae	CK
<input type="checkbox"/> <i>Megacyllene robiniae</i>	locust borer	Cerambycidae	CK
<input type="checkbox"/> <i>Melanotus sp.</i>	click beetle	Elateridae	CK
<input type="checkbox"/> <i>melolonthin sp.</i>	May beetle	Scarabaeidae	CK
<input type="checkbox"/> <i>melyrid sp.</i>	soft-winged flower beetle	Melyridae	CK
<input type="checkbox"/> <i>Microcylloepus sp.</i>	riffle beetle	Elmthidae	ES
<input type="checkbox"/> <i>Neoporus sp.</i>	diving beetle	Dytiscidae	ES
<input type="checkbox"/> <i>noterid sp.</i>	burrowing water beetle	Noteridae	ES
<input type="checkbox"/> <i>Oberea bimaculata</i>	raspberry cane borer	Cerambycidae	CK
<input type="checkbox"/> <i>Odontota dorsalis?</i>	locust leaf beetle	Chrysomelidae	CK
<input type="checkbox"/> <i>Paederus littorarius</i>	rove beetle	Staphylinidae	CK
<input type="checkbox"/> <i>Paracymus subcupreus</i>	water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Parandra brunnea</i>	pole borer	Cerambycidae	CK
<input type="checkbox"/> <i>Pelidnota punctata</i>	grapevine beetle	Scarabaeidae	CK
<input type="checkbox"/> <i>Peltodytes duodecimpunctatus</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>Peltodytes edentulus</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>Peltodytes lengi</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>Peltodytes muticus</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>Peltodytes sexmaculatus</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>Peltodytes sp.</i>	crawling water beetle	Haliplidae	ES
<input type="checkbox"/> <i>phalacrid sp.?</i>	shining mold beetle	Phalacridae	CK
<input type="checkbox"/> <i>Photinus pyralis</i>	firefly or lightningbug	Lampyridae	CK
<input type="checkbox"/> <i>Photuris pennsylvanica</i>	firefly or lightningbug	Lampyridae	CK
<input type="checkbox"/> <i>Phyllophaga sp.</i>	June beetle or junebug	Scarabaeidae	CK
<input type="checkbox"/> <i>Platynus placidus</i>	ground beetle	Carabidae	CK
<input type="checkbox"/> <i>Podabrus flavicollis?</i>	soldier beetle	Cantharidae	CK
<input type="checkbox"/> <i>Podabrus modestus?</i>	soldier beetle	Cantharidae	CK
<input type="checkbox"/> <i>Popilia japonica</i>	Japanese beetle	Scarabaeidae	CK
<input type="checkbox"/> <i>Psephenus herricki</i>	water-penny beetle	Psephenidae	CK,TR
<input type="checkbox"/> <i>Pseudolucanus sp.</i>	pinching beetle	Lucanidae	CK
<input type="checkbox"/> <i>Quedius sp.?</i>	large rove beetle	Staphylinidae	CK
<input type="checkbox"/> <i>Rhantus sp.</i>	diving beetle	Dytiscidae	CK
<input type="checkbox"/> <i>salpingid sp.</i>	narrow-waisted bark beetle	Salpingidae	ES
<input type="checkbox"/> <i>Saprinus sp.</i>	hister beetle	Histeridae	CK
<input type="checkbox"/> <i>Scarites subterraneus?</i>	ground beetle	Carabidae	CK
<input type="checkbox"/> <i>Scolytus rugulosus</i>	shot-hole borer	Curculionidae	CK
<input type="checkbox"/> <i>Silpha americana</i>	carrion beetle	Silphidae	CK
<input type="checkbox"/> <i>Sphenophorus sp.</i>	billbug weevil	Curculionidae	CK
<input type="checkbox"/> <i>Staphylinus sp.</i>	rove beetle	Staphylinidae	CK
<input type="checkbox"/> <i>Stelidiota octomaculata</i>	tiny sap beetle	Nitidulidae	CK
<input type="checkbox"/> <i>Stenelmis crenata</i>	riffle beetle	Elmthidae	ES
<input type="checkbox"/> <i>Stenelmis sp.</i>	riffle beetle	Elmthidae	CK,TR
<input type="checkbox"/> <i>Stenolophus sp.?</i>	ground beetle	Carabidae	CK
<input type="checkbox"/> <i>Stenus sp.</i>	rove beetle	Staphylinidae	CK,TR
<input type="checkbox"/> <i>Stethorus punctum</i>	black lady beetle	Coccinellidae	CK
<input type="checkbox"/> <i>Telephanus velox?</i>	flat bark beetle	Cucujidae	CK
<input type="checkbox"/> <i>Tetraopes sp.</i>	milkweed beetle	Cerambycidae	CK
<input type="checkbox"/> <i>thylactin sp.</i>	snout beetle	Curculionidae	CK
<input type="checkbox"/> <i>Tropisternus lateralis nimbatus</i>	narrow water scavenger beetle	Hydrophilidae	ES,TR
<input type="checkbox"/> <i>Tropisternus natator</i>	narrow water scavenger beetle	Hydrophilidae	ES
<input type="checkbox"/> <i>Tropisternus sp.</i>	narrow water scavenger beetle	Hydrophilidae	CK,ES,TR
<input type="checkbox"/> <i>Xenochalepus dorsalis</i>	locust leafminer	Chrysomelidae	CK

	COMMON NAME	FAMILY	LOCATION
Order Mecoptera (scorpionflies)			
<input type="checkbox"/> <i>Panorpa helena?</i>	common scorpionfly	Panorpidae	CK
Order Siphonaptera (fleas)			
<input type="checkbox"/> <i>Ctenocephalides canis</i>	dog flea	Pulicidae	CK
<input type="checkbox"/> <i>Ctenocephalides felis</i>	cat flea	Pulicidae	CK
Order Diptera (true flies)			
<input type="checkbox"/> <i>Ablabesmyia parajanta</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Aedes communis?</i>	mosquito	Culicidae	CK
<input type="checkbox"/> <i>Aedes infirmatus</i>	mosquito	Culicidae	ES
<input type="checkbox"/> <i>Aedes vexans</i>	mosquito	Culicidae	ES
<input type="checkbox"/> anthomyzid sp.	anthomyzid fly	Anthomyzidae	CK
<input type="checkbox"/> <i>Anthrax</i> sp.	bee fly	Bombyliidae	CK
<input type="checkbox"/> <i>Aphidoletes aphidimyza</i>	orange maggot or gall gnat	Cecidomyiidae	CK
<input type="checkbox"/> asilid sp.	robber fly	Asilidae	CK
<input type="checkbox"/> asteiid sp.	asteiid fly	Asteiidae	CK
<input type="checkbox"/> <i>Atherix varigata</i>	snipe fly	Athericidae	TR
<input type="checkbox"/> <i>Baccha</i> sp.?	flower fly	Syrphidae	CK
<input type="checkbox"/> <i>Bibio</i> sp.?	march fly	Bibionidae	CK
<input type="checkbox"/> blepharocerid sp.	net-winged midge	Blepharoceridae	ES
<input type="checkbox"/> <i>Brachyremna</i> sp.	crane fly	Tipulidae	CK,TR
<input type="checkbox"/> <i>Chaoborus flavicans</i>	phantom midge	Chaoboridae	ES
<input type="checkbox"/> <i>Chaoborus punctipennis</i>	phantom midge	Chaoboridae	ES
<input type="checkbox"/> <i>Chironomus anthracinus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus cristatus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus decorus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus plumosus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus riparus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus staegeri</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Chironomus tentans</i>	midge	Chironomidae	ES
<input type="checkbox"/> chloropid sp.	frit fly	Chloropidae	CK
<input type="checkbox"/> <i>Chrysops</i> sp.	deer fly	Tabanidae	CK,TR
<input type="checkbox"/> <i>Cladopelma</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Cladotanytarsus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Coelotanypus concinnus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Cricotopus sylvestris</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Cricotopus tremulus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Cricotopus trifascia</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Cryptochironomus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Culex pipiens</i>	mosquito	Culicidae	CK
<input type="checkbox"/> <i>Dicrotendipes nervous</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Dicrotendipes</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Didea</i> sp.	flower fly	Syrphidae	CK
<input type="checkbox"/> dolichopodid sp.	long-legged fly	Dolichopodidae	CK
<input type="checkbox"/> <i>Drosophila melanogaster</i>	pomace fly	Drosophilidae	CK
<input type="checkbox"/> <i>Endochironomus nigrans</i>	midge	Chironomidae	ES
<input type="checkbox"/> ephydrid sp.	shore fly	Ephydriidae	CK,ES
<input type="checkbox"/> <i>Eristalis tenax?</i>	hover fly	Syrphidae	CK
<input type="checkbox"/> <i>Eurosta solidaginis</i>	round ball goldenrod gall	Tephritidae	CK
<input type="checkbox"/> <i>Glyptotendipes loberiferus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Glyptotendipes</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Hedriodiscus</i> sp.	soldier fly	Stratiomyidae	ES
<input type="checkbox"/> heleomyzid sp.	heleomyzid fly	Heleomyzidae	CK
<input type="checkbox"/> <i>Helicobia</i> sp.	flesh fly	Sarcophagidae	CK
<input type="checkbox"/> <i>Hexatoma</i> sp.	crane fly	Tipulidae	TR
<input type="checkbox"/> <i>Hydrobaenus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Labrundinia pilosilla</i>	midge	Chironomidae	ES

Order Diptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> lauxaniid sp.	lauxaniid fly	Lauxaniidae	CK
<input type="checkbox"/> <i>Limnochironomus tenuicadatus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Limnophyes</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Lipiniella</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> lonchopterid sp.	spear-winged fly	Lonchpoteridae	ES
<input type="checkbox"/> <i>Lucilia illustris</i> ?	blow fly	Calliphoridae	CK
<input type="checkbox"/> <i>Merycomia</i> sp.	horse fly	Tabanidae	TR
<input type="checkbox"/> <i>Microchironomus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Micropsectra polita</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Microtendipes caelum</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Musca</i> sp.	house fly	Muscidae	CK
<input type="checkbox"/> mycetophilid sp.	fungus gnat	Mycetophilidae	CK,ES
<input type="checkbox"/> <i>Odontomyia</i> sp.	soldier fly	Stratiomyidae	ES
<input type="checkbox"/> <i>Orthocladus obumbratus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Orthocladus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Parachironomus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Paradelphomyia</i> sp.	crane fly	Tipulidae	TR
<input type="checkbox"/> <i>Paralauterborniella</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Paratanytarsus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Paratendipes</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Pedicia</i> sp.	crane fly	Tipulidae	TR
<input type="checkbox"/> <i>Pentaneura</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> phorid sp.	humpbacked fly	Phoridae	CK,ES
<input type="checkbox"/> <i>Pollenia</i> sp.?	cluster blow fly	Calliphoridae	CK
<input type="checkbox"/> <i>Polypedilum halterale</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Polypedilum</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Potthastia longimanus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Probezzia</i> sp.	biting midge	Ceratopogonidae	ES
<input type="checkbox"/> <i>Procladius</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Procladius sublettei</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Protoplasa</i> sp.?	primitive crane fly	Tanyderidae	CK
<input type="checkbox"/> ptychopterid sp.	phantom crane fly	Ptychopteridae	CK
<input type="checkbox"/> <i>Rhagio</i> sp.	snipe fly	Rhagionidae	CK
<input type="checkbox"/> <i>Rhagoletis pomonella</i>	apple maggot	Tephritidae	CK
<input type="checkbox"/> <i>Rheotanytarsus exiguus</i>	midge	Chironomidae	ES
<input type="checkbox"/> <i>Rhopalomyia solidaginis</i>	leafy goldenrod gall	Cecidomyiidae	CK
<input type="checkbox"/> sciarid sp.	dark-winged fungus gnat	Sciaridae	CK
<input type="checkbox"/> sciomyzid sp.	marsh fly	Sciomyzidae	ES
<input type="checkbox"/> <i>Simulium</i> sp.	black fly	Simuliidae	CK,ES
<input type="checkbox"/> <i>Spoggosia</i> sp.?	tachina fly	Tachinidae	CK
<input type="checkbox"/> <i>Stictochironomus</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Stratiomys</i> sp.	soldier fly	Stratiomyidae	CK
<input type="checkbox"/> <i>Sympotthastia</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Syrphus</i> sp.	hover fly	Syrphidae	CK
<input type="checkbox"/> <i>Tabanus</i> sp.	horse fly	Tabanidae	CK,TR
<input type="checkbox"/> <i>Tanypus</i> sp.	midge	Chironomidae	ES,TR
<input type="checkbox"/> <i>Tanytarsus glabrescens</i>	midge	Chironomidae	ES
<input type="checkbox"/> therevid sp.	stiletto fly	Therevidae	CK
<input type="checkbox"/> <i>Thienemannimyia</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Tipula</i> sp.	crane fly	Tipulidae	CK,ES,TR
<input type="checkbox"/> <i>Tribelos</i> sp.	midge	Chironomidae	ES
<input type="checkbox"/> <i>Trichocera</i> sp.?	winter crane fly	Trichoceridae	CK
Order Trichoptera (caddisflies)			
<input type="checkbox"/> <i>Agraylea</i> sp.	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Ceraclea cancellatus</i>	caddisfly	Leptoceridae	CK
<input type="checkbox"/> <i>Ceraclea resurgens</i>	caddisfly	Leptoceridae	CK

Order Trichoptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Ceraclea tarsi-punctata</i>	caddisfly	Leptoceridae	CK,ES
<input type="checkbox"/> <i>Ceraclea transversus</i>	caddisfly	Leptoceridae	ES
<input type="checkbox"/> <i>Ceraclea</i> sp.	caddisfly	Leptoceridae	CK
<input type="checkbox"/> <i>Ceratopsyche bronta</i>	caddisfly	Hydropsychidae	ES
<input type="checkbox"/> <i>Ceratopsyche slossonae</i>	caddisfly	Hydropsychidae	ES
<input type="checkbox"/> <i>Ceratopsyche</i> sp.	caddisfly	Hydropsychidae	ES,TR
<input type="checkbox"/> <i>Cernotina ohio</i>	caddisfly	Polycentropodidae	ES
<input type="checkbox"/> <i>Cheumatopsyche burksi</i>	caddisfly	Hydropsychidae	ES
<input type="checkbox"/> <i>Cheumatopsyche campyla</i>	caddisfly	Hydropsychidae	CK
<input type="checkbox"/> <i>Cheumatopsyche minuscula</i>	caddisfly	Hydropsychidae	ES
<input type="checkbox"/> <i>Cheumatopsyche pasella</i>	caddisfly	Hydropsychidae	ES
<input type="checkbox"/> <i>Cheumatopsyche sordida</i>	caddisfly	Hydropsychidae	CK,ES
<input type="checkbox"/> <i>Cheumatopsyche</i> sp.	caddisfly	Hydropsychidae	ES,TR
<input type="checkbox"/> <i>Chimarra obscura</i>	caddisfly	Philopotamidae	CK,ES
<input type="checkbox"/> <i>Cyrnellus fraternus</i>	caddisfly	Polycentropodidae	CK,ES
<input type="checkbox"/> <i>Cyrnellus marginalis</i>	caddisfly	Polycentropodidae	ES
<input type="checkbox"/> <i>Helicopsyche</i> sp.	caddisfly	Helicopsychidae	TR
<input type="checkbox"/> <i>Hydropsyche betteni</i>	caddisfly	Hydropsychidae	CK,ES
<input type="checkbox"/> <i>Hydropsyche recurvata</i>	caddisfly	Hydropsychidae	CK,ES
<input type="checkbox"/> <i>Hydropsyche</i> sp.	caddisfly	Hydropsychidae	CK,ES,TR
<input type="checkbox"/> <i>Hydropsyche walkeri</i>	caddisfly	Hydropsychidae	CK
<input type="checkbox"/> <i>Hydroptila ajax</i>	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Hydroptila angusta</i>	caddisfly	Hydroptilidae	CK
<input type="checkbox"/> <i>Hydroptila armata</i>	caddisfly	Hydroptilidae	ES
<input type="checkbox"/> <i>Hydroptila consimilis</i>	caddisfly	Hydroptilidae	ES
<input type="checkbox"/> <i>Hydroptila grandiosa</i>	caddisfly	Hydroptilidae	CK
<input type="checkbox"/> <i>Hydroptila perdita</i>	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Hydroptila spatulata</i>	caddisfly	Hydroptilidae	CK
<input type="checkbox"/> <i>Hydroptila waubesiana</i>	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Leptocerus americanus</i>	caddisfly	Leptoceridae	CK
<input type="checkbox"/> <i>Limnephilus submonilifer</i>	caddisfly	Limnephilidae	CK
<input type="checkbox"/> <i>Nectopsyche</i> sp.	caddisfly	Leptoceridae	CK,ES
<input type="checkbox"/> <i>Neophylax</i> sp.	caddisfly	Limnephilidae	CK
<input type="checkbox"/> <i>Neureclipsis crepuscularis</i>	caddisfly	Polycentropodidae	ES
<input type="checkbox"/> <i>Nyctiophylax moestus</i>	caddisfly	Polycentropodidae	CK,ES
<input type="checkbox"/> <i>Ochrotrichia tarsalis</i>	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Oecetis avara</i>	caddisfly	Leptoceridae	ES
<input type="checkbox"/> <i>Oecetis cinerascens</i>	caddisfly	Leptoceridae	CK,ES
<input type="checkbox"/> <i>Oecetis inconspicua</i>	caddisfly	Leptoceridae	CK,ES
<input type="checkbox"/> <i>Oecetis persimilis</i>	caddisfly	Leptoceridae	CK
<input type="checkbox"/> <i>Orthotrichia americana</i>	caddisfly	Hydroptilidae	CK,ES
<input type="checkbox"/> <i>Oxeythira pallida</i>	caddisfly	Hydroptilidae	ES
<input type="checkbox"/> <i>Philarctus</i> sp.?	caddisfly	Limnephilidae	ES
<input type="checkbox"/> <i>Phryganea cinerea</i>	caddisfly	Phryganeidae	ES
<input type="checkbox"/> <i>Polycentropus interruptus</i>	caddisfly	Polycentropodidae	ES
<input type="checkbox"/> <i>Polycentropus aureolus</i>	caddisfly	Polycentropodidae	CK
<input type="checkbox"/> <i>Polycentropus cinereus</i>	caddisfly	Polycentropodidae	CK
<input type="checkbox"/> <i>Polycentropus crassicornis</i>	caddisfly	Polycentropodidae	ES
<input type="checkbox"/> <i>Potamyia</i> sp.	caddisfly	Hydropsychidae	CK,TR
<input type="checkbox"/> <i>Pycnopsyche</i> sp.	caddisfly	Limnephilidae	TR
<input type="checkbox"/> <i>Rhyacophila ledra</i>	caddisfly	Rhyacophilidae	CK
<input type="checkbox"/> <i>Rhyacophila vibox</i>	caddisfly	Rhyacophilidae	CK
<input type="checkbox"/> <i>Trienodes frontalis</i>	caddisfly	Leptoceridae	ES
Order Lepidoptera (butterflies & moths)			
<input type="checkbox"/> <i>Alypia</i> sp.	forester moth	Agaristidae	CK
<input type="checkbox"/> <i>Antheraea polyphemus</i>	polyphemus moth	Saturniidae	CK

Order Lepidoptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Archips argyrospila</i>	fruittree leaf-roller	Tortricidae	CK
<input type="checkbox"/> <i>Argyrotaenia velutinana</i>	red-banded leaf-roller	Tortricidae	CK
<input type="checkbox"/> <i>Asterocampa celtis</i>	hackberry butterfly	Nymphalidae	CK
<input type="checkbox"/> <i>Asterocampa clyton</i>	tawny emperor	Nymphalidae	CK
<input type="checkbox"/> <i>Autographa</i> sp.	looper moth	Noctuidae	CK
<input type="checkbox"/> <i>Automeris io</i>	io moth	Saturniidae	CK
<input type="checkbox"/> <i>Battus philenor</i>	pipevine swallowtail	Papilionidae	CK
<input type="checkbox"/> <i>Boloria bellona bellona</i>	meadow fritillary	Nymphalidae	CK
<input type="checkbox"/> <i>Catocala</i> sp.	underwing moth	Noctuidae	CK
<input type="checkbox"/> <i>Celastrina ladon ladon</i>	spring azure	Lycaenidae	CK
<input type="checkbox"/> <i>Cercyonis pegala</i>	common wood nymph	Satyridae	CK
<input type="checkbox"/> <i>Choristoneura rosaceana</i>	oblique-banded leaf-roller	Tortricidae	CK
<input type="checkbox"/> <i>Colias eurytheme</i>	orange sulfur	Pieridae	CK
<input type="checkbox"/> <i>Colias philodice</i>	common sulfur	Pieridae	CK
<input type="checkbox"/> <i>Crambus</i> sp.	close-wings or grass moth	Pyralidae	CK
<input type="checkbox"/> <i>Ctenucha virginica</i>	ctenuchid Virginia moth	Ctenuchidae	CK
<input type="checkbox"/> <i>Cydia pomonella</i>	codling moth	Tortricidae	CK
<input type="checkbox"/> <i>Danaus plexippus</i>	monarch butterfly	Danaidae	CK
<input type="checkbox"/> <i>Enodia anthedon</i>	northern pearly eye	Nymphalidae	CK
<input type="checkbox"/> <i>Epargyreus clarus</i>	silver-spotted skipper	Hesperiidae	CK
<input type="checkbox"/> <i>Erynnis baptisiae</i>	wild indigo duskywing skipper	Hesperiidae	CK
<input type="checkbox"/> <i>Estigmene</i> sp.?	white moth	Arctiidae	CK
<input type="checkbox"/> <i>Euchoeca albovitatta</i>	white-striped black moth	Geometridae	CK
<input type="checkbox"/> <i>Euzophera semifuneralis</i>	American plum borer	Pyralidae	CK
<input type="checkbox"/> <i>Everes comyntas</i>	eastern tailed blue	Lycaenidae	CK
<input type="checkbox"/> <i>Gnorimoschema gallaesolidaginis</i>	golden rod gall	Gelechiidae	CK
<input type="checkbox"/> <i>Grapholitha molesta</i>	Oriental fruit moth	Tortricidae	CK
<input type="checkbox"/> <i>Haemotopis grataria</i>	chickweed geometer moth	Geometridae	CK
<input type="checkbox"/> <i>Heliothis zea</i>	corn earworm	Noctuidae	CK
<input type="checkbox"/> <i>Hemerocampa leucostigma</i>	white-marked tussock moth	Lymantriidae	CK
<input type="checkbox"/> <i>Hyphantria cunea</i>	fall webworm	Arctiidae	CK
<input type="checkbox"/> <i>Isia isabella</i>	banded woollybear	Arctiidae	CK
<input type="checkbox"/> <i>Junonia coenia</i>	buckeye	Nymphalidae	CK
<input type="checkbox"/> <i>Libytheana bachmanii</i>	snout butterfly	Libytheidae	CK
<input type="checkbox"/> <i>Limenitis archippus</i>	viceroi	Nymphalidae	CK
<input type="checkbox"/> <i>Limenitis arthemis astyanax</i>	red-spotted purple	Nymphalidae	CK
<input type="checkbox"/> <i>Lycaena phlaeas</i>	American copper	Lycaenidae	CK
<input type="checkbox"/> <i>Malacosoma americanum</i>	eastern tent caterpillar	Lasiocampidae	CK
<input type="checkbox"/> <i>Manduca quinquemaculata</i>	tomato hornworm	Sphingidae	CK
<input type="checkbox"/> <i>Megisto cymela</i>	little wood satyr	Satyridae	CK
<input type="checkbox"/> notodontid sp.	prominent moth	Notodontidae	CK
<input type="checkbox"/> <i>Nymphalis antiopa</i>	mourning cloak	Nymphalidae	CK
<input type="checkbox"/> <i>Nymphalis milberti</i>	Milbert's tortoise shell	Nymphalidae	CK
<input type="checkbox"/> <i>Ostrinia nubilalis</i>	European corn borer	Pyralidae	CK
<input type="checkbox"/> <i>Papaipema nebris</i>	stalk borer	Noctuidae	CK
<input type="checkbox"/> <i>Papilio cresphontes</i>	giant swallowtail	Papilionidae	CK
<input type="checkbox"/> <i>Papilio glaucus</i>	tiger swallowtail	Papilionidae	CK
<input type="checkbox"/> <i>Papilio polyxenes asterius</i>	black swallowtail	Papilionidae	CK
<input type="checkbox"/> <i>Papilio troilus</i>	spicebush swallowtail	Papilionidae	CK
<input type="checkbox"/> <i>Paralobesia viteana</i>	grape berry moth	Tortricidae	CK
<input type="checkbox"/> <i>Pennisetia marginata</i>	raspberry crown borer	Sesiidae	CK
<input type="checkbox"/> <i>Pholisora catullus</i>	common sootywing skipper	Hesperiidae	CK
<input type="checkbox"/> <i>Phyciodes tharos</i>	pearl crescent	Nymphalidae	CK
<input type="checkbox"/> <i>Phyllonorycter blancardella</i>	spotted tentiform leafminer	Gracillariidae	CK
<input type="checkbox"/> <i>Pieris rapae</i>	cabbage white	Pieridae	CK
<input type="checkbox"/> <i>Platy nota flavedana</i>	variegated leaf-roller	Tortricidae	CK
<input type="checkbox"/> <i>Platynota idaeusalis</i>	tufted apple bud-moth	Tortricidae	CK

Order Lepidoptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> <i>Platysamia cecropia</i>	cecropia moth	Saturniidae	CK
<input type="checkbox"/> <i>Plodia interpunctata</i>	Indian meal moth	Pyralidae	CK
<input type="checkbox"/> <i>Poanes zabulon</i>	southern golden skipper	Hesperiidae	CK
<input type="checkbox"/> <i>Podosesia syringae syringae</i>	lilac borer	Sesiidae	CK
<input type="checkbox"/> <i>Polites coras [=Polites peckius]</i>	yellowpatch or Peck's skipper	Hesperiidae	CK
<input type="checkbox"/> <i>Polygonia interrogationis</i>	question-mark	Nymphalidae	CK
<input type="checkbox"/> <i>Protoparce sexta?</i>	sphinx moth	Sphingidae	CK
<input type="checkbox"/> <i>Speyeria</i> sp.	fritillary or silverspot	Nymphalidae	CK
<input type="checkbox"/> sphingid sp.	clear-wing sphinx moth	Sphingidae	CK
<input type="checkbox"/> <i>Spilonota ocellana</i>	eye-spotted bud-moth	Tortricidae	CK
<input type="checkbox"/> <i>Synanthedon exitiosa</i>	peach tree borer	Sesiidae	CK
<input type="checkbox"/> <i>Synanthedon pictipes</i>	lesser peach tree borer	Sesiidae	CK
<input type="checkbox"/> <i>Synanthedon scitula</i>	dogwood borer	Sesiidae	CK
<input type="checkbox"/> <i>Synchlora aerata</i>	green geometrid moth	Geometridae	CK
<input type="checkbox"/> tineid sp.	clothes moth	Tineidae	CK
<input type="checkbox"/> <i>Vanessa atalanta rubria</i>	red admiral	Nymphalidae	CK
<input type="checkbox"/> <i>Vanessa cardui</i>	painted lady	Nymphalidae	CK
<input type="checkbox"/> <i>Vanessa virginiensis</i>	American painted lady	Nymphalidae	CK
<input type="checkbox"/> yponomeutoid sp.	ermine moth	Yponomeutoidea	ES
Order Hymenoptera (ants, bees, sawflies, & wasps)			
<input type="checkbox"/> <i>Acanthomyops</i> sp.	foundation ant	Formicidae	CK
<input type="checkbox"/> <i>Agapostemon</i> sp.	halictid bee	Halictidae	CK
<input type="checkbox"/> <i>Amphibolips</i> sp.?	oak apple gall	Cynipidae	CK
<input type="checkbox"/> andrenid sp.	andrenid bee	Andrenidae	CK
<input type="checkbox"/> anthophorid sp.	digger bee	Anthophoridae	CK
<input type="checkbox"/> <i>Apis mellifera</i>	honey bee	Apidae	CK
<input type="checkbox"/> <i>Bombus</i> sp.	large bumblebee	Apidae	CK
<input type="checkbox"/> braconid sp.	braconid wasp	Braconidae	CK
<input type="checkbox"/> <i>Camponotus</i> sp.	carpenter ant	Formicidae	CK
<input type="checkbox"/> <i>Chalybion</i> sp.?	thread-waisted wasp	Sphecidae	CK
<input type="checkbox"/> chrysidid sp.	cuckoo wasp	Chrysididae	CK
<input type="checkbox"/> colletid sp.	colletid bee	Colletidae	CK
<input type="checkbox"/> <i>Crematogaster</i> sp.	small black ant	Formicidae	CK
<input type="checkbox"/> <i>Diastrophus cuscutaeformis</i>	blackberry gall	Cynipidae	CK
<input type="checkbox"/> <i>Diastrophus nebulosis</i>	blackberry gall-maker	Cynipidae	CK
<input type="checkbox"/> <i>Eumenes</i> sp.?	potter wasp	Eumenidae	CK
<input type="checkbox"/> eurytomid sp.	chalcid seed wasp	Eurytomidae	CK
<input type="checkbox"/> evaniid sp.	ensign wasp	Evaniidae	ES
<input type="checkbox"/> <i>Formica</i> sp.	mound builder ant	Formicidae	CK
<input type="checkbox"/> halictid sp.	halictid bee	Halictidae	CK
<input type="checkbox"/> ichneumonid sp.	ichneumon wasp	Ichneumonidae	CK, ES
<input type="checkbox"/> <i>Lasius</i> sp.	winged ant	Formicidae	CK
<input type="checkbox"/> <i>Leptothorax</i> sp.	ant	Formicidae	CK
<input type="checkbox"/> megachilid sp.	leafcutting bee	Megachilidae	CK
<input type="checkbox"/> <i>Megarhyssa</i> sp.?	ichneumon wasp	Ichneumonidae	CK
<input type="checkbox"/> <i>Monobia</i> sp.?	potter wasp	Eumenidae	CK
<input type="checkbox"/> <i>Monomorium pharaonis?</i>	Pharaoh ant	Formicidae	CK
<input type="checkbox"/> <i>Mormica</i> sp.	ant	Formicidae	CK
<input type="checkbox"/> nemadin sp.?	cuckoo bee	Anthophoridae	CK
<input type="checkbox"/> polistin sp.	paper wasp	Vespidae	CK
<input type="checkbox"/> <i>Ponera</i> sp.	ant	Formicidae	CK
<input type="checkbox"/> <i>Frenolepis</i> sp.	ant	Formicidae	CK
<input type="checkbox"/> proctotrupid sp.	parasitic wasp	Proctotrupidae	CK
<input type="checkbox"/> <i>Sphecius speciosus</i>	cicada killer wasp	Sphecidae	CK
<input type="checkbox"/> tenthredinid sp.	sawfly	Tenthredinidae	CK
<input type="checkbox"/> <i>Tetramorium caespitum</i>	pavement ant	Formicidae	CK

Order Hymenoptera (continued)	COMMON NAME	FAMILY	LOCATION
<input type="checkbox"/> tiphiid sp.	tiphiid wasp	Tiphiidae	CK ES
<input type="checkbox"/> torymid sp.	parasitic wasp	Torymidae	CK
<input type="checkbox"/> <i>Tremex</i> sp.?	horntail sawfly	Siricidae	CK
<input type="checkbox"/> <i>Vespa crabro germana</i>	giant hornet	Vespidae	CK
<input type="checkbox"/> <i>Vespula germanica</i>	picnic wasp	Vespidae	CK
<input type="checkbox"/> <i>Vespula maculata</i>	bald-faced hornet	Vespidae	CK
<input type="checkbox"/> <i>Vespula maculifrons?</i>	yellowjacket wasp	Vespidae	CK
<input type="checkbox"/> <i>Xylocopa virginica?</i>	large carpenter bee	Anthophoridae	CK

PHYLUM TARDIGRADA (water bears)

Order Eutardigrada			
<input type="checkbox"/> macrobiotid sp.	water bear	Macrobiotidae	ES

PHYLUM BRYOZOA [=ECTOPROCTA] (bryozoans)

CLASS PHYLACTOLAEMATA

Order Plumatellida

<input type="checkbox"/> <i>Lophopodella carteri</i>	sac bryozoan	Lophopodidae	ES
<input type="checkbox"/> <i>Pectinatella magnifica</i>	slimy bryozoan	Lophopodidae	ES
<input type="checkbox"/> <i>Plumatella casmiana</i>	bryozoan	Plumatellidae	ES
<input type="checkbox"/> <i>Plumatella repens</i>	spreading bryozoan	Plumatellidae	ES

LOCATION CODES:

CK -- Old Woman Creek watershed upstream of the estuary

ES -- Old Woman Creek Estuary (including watershed within boundaries of NERR)

LE -- Lake Erie, principally nearshore waters of Erie County and western Lorain County, Ohio

TR -- Tributary watersheds to Lake Erie other than Old Woman Creek, principally of eastern Erie County and western Lorain County, Ohio

Appendix C

Alphabetized List of Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie by Scientific Name

**ALPHABETIZED LIST OF INVERTEBRATE FAUNA OF OLD WOMAN CREEK
ESTUARY, WATERSHED, AND ADJACENT WATERS OF LAKE ERIE
by Scientific Name**

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Ablabesmyia parajanta</i>	midge	Arthropoda	ES
<i>Acalymma vittata?</i>	striped cucumber beetle	Arthropoda	CK
acanaloniid sp.	planthopper	Arthropoda	CK
<i>Acanthocyclops vernalis sensu lata</i>	copepod	Arthropoda	CK,ES,LE
<i>Acanthocystis aculeata</i>	heliozoan	Sarcomastigophora	ES
<i>Acanthocystis chaetophora</i>	heliozoan	Sarcomastigophora	ES
<i>Acanthocystis mira</i>	heliozoan	Sarcomastigophora	ES
<i>Acanthocystis myriospina</i>	heliozoan	Sarcomastigophora	ES
<i>Acanthocystis turfacea</i>	heliozoan	Sarcomastigophora	ES
<i>Acanthomyops</i> sp.	foundation ant	Arthropoda	CK
<i>Achaearanea tepidariorum</i>	American house spider	Arthropoda	CK
<i>Acilius sylvanus</i>	striped diving beetle	Arthropoda	ES
<i>Acilius</i> sp.	striped diving beetle	Arthropoda	CK
<i>Acineria incurvata</i>	ciliated protozoan	Ciliophora	ES
<i>Acineta tuberosa</i>	ciliated protozoan	Ciliophora	ES
acridid sp.	eastern lubber grasshopper	Arthropoda	CK
<i>Acroneuria</i> sp.	stonefly	Arthropoda	TR
<i>Actinophrys sol</i>	heliozoan	Sarcomastigophora	ES
<i>Actinophrys vesiculata</i>	heliozoan	Sarcomastigophora	ES
<i>Actinosphaerium</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Adelges abeitis</i>	eastern spruce gall adelgid	Arthropoda	CK
<i>Adelges cooleyi</i>	Cooley spruce gall adelgid	Arthropoda	CK
<i>Aedes communis?</i>	mosquito	Arthropoda	CK
<i>Aedes infirmatus</i>	mosquito	Arthropoda	ES
<i>Aedes vexans</i>	mosquito	Arthropoda	ES
<i>Aeolosoma headleyi</i>	aquatic earthworm	Annelida	ES
<i>Aeolosoma hemprichi</i>	aquatic earthworm	Annelida	ES
aeolothripid sp.	banded thrips	Arthropoda	CK
<i>Aeshna</i> sp.	blue damer or paddletail	Arthropoda	ES
<i>Agabus</i> sp.	diving beetle	Arthropoda	CK,ES
<i>Agapostemon</i> sp.	halictid bee	Arthropoda	CK
<i>Agelenopsis pennsylvanica</i>	grass spider	Arthropoda	CK
<i>Agraylea</i> sp.	caddisfly	Arthropoda	CK,ES
<i>Agroeca pratensis?</i>	sac spider	Arthropoda	ES
<i>Allocapina recta</i>	spring stonefly	Arthropoda	CK
<i>Allocapina vivapara</i>	spring stonefly	Arthropoda	CK
<i>Allocosa funerea</i>	wolf spider	Arthropoda	CK
<i>Alobates pensylvanica?</i>	darkling beetle	Arthropoda	CK
<i>Alona barbulata?</i>	water flea	Arthropoda	CK,ES
<i>Alona</i> cf. <i>circumfimbriata</i>	water flea	Arthropoda	CK
<i>Alona costata</i>	water flea	Arthropoda	ES
<i>Alona guttata</i>	water flea	Arthropoda	ES
<i>Alona quadrangularis</i>	water flea	Arthropoda	CK,ES,LE
<i>Alonella excisa</i> [or <i>Alonella exigua?</i>]	water flea	Arthropoda	ES
<i>Alonella hamulata</i>	water flea	Arthropoda	CK,ES
<i>Alonella nana</i>	water flea	Arthropoda	ES
<i>Alonella setulosa</i>	water flea	Arthropoda	ES,LE
<i>Alopecosa aculeata?</i>	wolf spider	Arthropoda	CK
<i>Altica chalybea</i>	grape flea beetle	Arthropoda	CK
atydid sp.	broad-headed bug	Arthropoda	CK
<i>Alypia</i> sp.	forester moth	Arthropoda	CK
<i>Amblema plicata plicata</i>	threeridge	Mollusca	LE
<i>Amoeba</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Amphibolips</i> sp.?	oak apple gall	Arthropoda	CK
<i>Amphichaeta leydigii</i>	naidid worm	Annelida	ES
<i>Anacaena limbata</i>	water scavenger beetle	Arthropoda	ES
<i>Anasa tristis</i>	squash bug	Arthropoda	CK
<i>Anax junius</i>	big green darner	Arthropoda	ES,CK
<i>Ancyronyx</i> sp.	rifle beetle	Arthropoda	TR
andrenid sp.	andrenid bee	Arthropoda	CK
<i>Anisonema acinus</i>	colorless euglena	Sarcomastigophora	ES
<i>Anisonema emarginatum</i>	colorless euglena	Sarcomastigophora	ES
<i>Anisonema ovale</i>	colorless euglena	Sarcomastigophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Anisonema strenuum</i>	colorless euglena	Sarcomastigophora	ES
<i>Anisonema truncatum</i>	colorless euglena	Sarcomastigophora	ES
<i>Anodontoides ferussacianus</i>	cylindrical papershell	Mollusca	TR
<i>Antheraea polyphemus</i>	polyphemus moth	Arthropoda	CK
<i>Anthicus</i> sp.?	ant-like flower beetle	Arthropoda	CK
anthomyzid sp.	anthomyzid fly	Arthropoda	CK
anthophorid sp.	digger bee	Arthropoda	CK
<i>Anthophysa steinii</i>	chryomonad protozoan	Sarcomastigophora	ES
<i>Anthophysa vegetans</i>	chryomonad protozoan	Sarcomastigophora	ES
<i>Anthrax</i> sp.	bee fly	Arthropoda	CK
<i>Anthrenus scrophulariae?</i>	carpet beetle	Arthropoda	CK
<i>Anyphaena celer</i>	hunting spider	Arthropoda	CK
<i>Aphidoletes aphidimyza</i>	orange maggot or gall gnat	Arthropoda	CK
<i>Aphis pomi</i>	green apple aphid	Arthropoda	CK
<i>Aphodius</i> sp.	dung beetle	Arthropoda	CK
<i>Apis mellifera</i>	honey bee	Arthropoda	CK
<i>Aquarius</i> sp.	water strider	Arthropoda	TR
<i>Aradus</i> sp.	flat bug	Arthropoda	CK
<i>Araneus marmoreus</i>	marbled orb weaver	Arthropoda	CK
<i>Araneus trifolium</i>	orb weaver	Arthropoda	CK
<i>Arcella discoides</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Arcella vulgaris</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Archips argyrospila</i>	fruittree leaf-roller	Arthropoda	CK
<i>Argia fumipennis</i>	dancer	Arthropoda	TR
<i>Argia tibialis</i>	dancer	Arthropoda	CK,ES
<i>Argia translata</i>	dancer	Arthropoda	TR
<i>Argia apicalis</i>	dancer	Arthropoda	ES
<i>Argia meosta</i>	dancer	Arthropoda	ES
<i>Argia violacea</i>	purple damselfly or violet dancer	Arthropoda	ES
<i>Argiope aurantia</i>	black & yellow garden spider	Arthropoda	CK
<i>Argiope trifasciata</i>	banded garden	Arthropoda	CK
<i>Argulus</i> sp.	fish louse	Arthropoda	ES
<i>Argyrotaenia velutinana</i>	red-banded leaf-roller	Arthropoda	CK
<i>Arhyssus lateralis</i>	scentless plant bug	Arthropoda	CK
<i>Ascoglena vaginicola?</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Ascomorpha ecaudis</i>	rotifer	Rotifera	ES
<i>Asellus</i> sp. [= <i>Caecidotea</i> sp.]	aquatic sowbug	Arthropoda	ES
asiliid sp.	robber fly	Arthropoda	CK
<i>Askenasia volvox</i>	ciliated protozoan	Ciliophora	ES
<i>Aspidisca costata</i>	ciliated protozoan	Ciliophora	ES
<i>Aspidisca lynceus</i>	ciliated protozoan	Ciliophora	ES
<i>Aspidisca steini</i>	ciliated protozoan	Ciliophora	ES
<i>Asplanchna priodonta</i>	rotifer	Rotifera	ES
<i>Astasia klebsii</i>	euglenoid protozoan	Sarcomastigophora	ES
asteiid sp.	asteiid fly	Arthropoda	CK
<i>Asterocampa celtis</i>	hackberry butterfly	Arthropoda	CK
<i>Asterocampa clyton</i>	tawny emperor	Arthropoda	CK
<i>Atherix varigata</i>	snipe fly	Arthropoda	TR
<i>Atopogyna cornupalis</i>	sheet-web weaver	Arthropoda	CK
<i>Attheyella illinoisensis</i>	copepod	Arthropoda	ES
<i>Aulodrilus limnobius</i>	tubificid worm	Annelida	ES
<i>Aulodrilus pigueti</i>	tubificid worm	Annelida	ES
<i>Aulodrilus pluriseta</i>	tubificid worm	Annelida	ES
<i>Autographa</i> sp.	looper moth	Arthropoda	CK
<i>Automeris io</i>	io moth	Arthropoda	CK
<i>Baccha</i> sp.?	flower fly	Arthropoda	CK
<i>Baetis</i> sp.	bluewing olive	Arthropoda	ES,TR
<i>Balanion</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Balladyna fusiformis</i>	ciliated protozoan	Ciliophora	ES
<i>Balladyna ovata</i>	ciliated protozoan	Ciliophora	ES
<i>Balladyna parvula</i>	ciliated protozoan	Ciliophora	ES
<i>Bathypantes</i> sp.?	sheet-web weaver	Arthropoda	CK
<i>Batrachobdella phalera</i>	leech	Annelida	ES
<i>Battus philenor</i>	pipevine swallowtail	Arthropoda	CK
<i>Belostoma flumineum</i>	giant water bug	Arthropoda	ES
<i>Belostoma</i> sp.	giant water bug	Arthropoda	ES
<i>Berosus fraternus</i>	water scavenger beetle	Arthropoda	ES
<i>Berosus infuscatus</i>	water scavenger beetle	Arthropoda	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Berosus peregrinus</i>	water scavenger beetle	Arthropoda	ES
<i>Berosus striatus</i>	water scavenger beetle	Arthropoda	ES
<i>Berosus</i> sp.	water scavenger beetle	Arthropoda	CK
<i>Biblio</i> sp.?	march fly	Arthropoda	CK
<i>Bidessus</i> sp.	diving beetle	Arthropoda	ES
<i>Biomyxa vagans</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Blatta orientalis</i> ?	Oriental cockroach	Arthropoda	CK
<i>Bledius</i> sp.	rove beetle	Arthropoda	TR
blepharocericid sp.	net-winged midge	Arthropoda	ES
<i>Bodo alexeieffii</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo amoebinus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo angustus</i> [= <i>Bodo saliens</i>]	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo caudatus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo celer</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo edax</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo fusiformis</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo globosa</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo minimus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo obovatus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo ovatus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo repens</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo rostratus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo saltans</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo triangularis</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo uncinatus</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bodo variabilis</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Bolitotherus cornutus</i>	horned fungus beetle	Arthropoda	CK
<i>Boloria bellona bellona</i>	meadow fritillary	Arthropoda	CK
<i>Bombus</i> sp.	large bumblebee	Arthropoda	CK
<i>Bosmina longirostris</i>	water flea	Arthropoda	ES
<i>Brachinus</i> sp.?	bombadier ground beetle	Arthropoda	CK
<i>Brachionus angularis</i>	rotifer	Rotifera	ES
<i>Brachionus bidentata</i>	rotifer	Rotifera	ES
<i>Brachionus calyciflorus</i>	rotifer	Rotifera	ES
<i>Brachionus caudatus</i>	rotifer	Rotifera	ES
<i>Brachionus havanaensis</i>	rotifer	Rotifera	ES
<i>Brachionus quadridentatus</i>	rotifer	Rotifera	ES
<i>Brachionus urceolaris</i>	rotifer	Rotifera	ES
<i>Brachyremna</i> sp.	crane fly	Arthropoda	CK,TR
brachyrhinin sp.	broad-dash nosed weevil	Arthropoda	CK
braconid sp.	braconid wasp	Arthropoda	CK
<i>Branchirua sowerbyi</i>	tubificid worm	Annelida	ES
<i>Brontes</i> sp.?	flat bark beetle	Arthropoda	CK
<i>Bryocamptus</i> sp.	copepod	Arthropoda	ES
<i>Bythotrephes cederstroemi</i>	spiny water flea	Arthropoda	LE
<i>Cacopsylla pyricola</i>	pear psylla	Arthropoda	CK
<i>Caecidotea racovitzai racovitzai</i>	aquatic sowbug	Arthropoda	ES
<i>Caenis simulans</i>	squaregill mayfly	Arthropoda	CK
<i>Calathus</i> sp.	ground beetle	Arthropoda	CK
<i>Callobius</i> sp.?	thread-web weaver	Arthropoda	CK
<i>Calopteryx maculata</i>	blackwinged damselfly	Arthropoda	CK,TR
<i>Calopteryx</i> sp.	bandwing damselfly	Arthropoda	ES
<i>Calypotricha pleuronemoides</i>	ciliated protozoan	Ciliophora	ES
<i>Cambarus diogones</i>	devil crawfish	Arthropoda	ES
<i>Camponotus</i> sp.	carpenter ant	Arthropoda	CK
<i>Candona simpsoni</i>	seed shrimp	Arthropoda	ES
<i>Cantharis bilineatus</i>	soldier beetle	Arthropoda	CK
<i>Canthocamptus robertcokeri</i>	copepod	Arthropoda	ES
<i>Carpophilus</i> sp.	carpophilin sap beetle	Arthropoda	CK
<i>Carteria globosa</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Cashia limacoides</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Castianeira cingulata</i>	sac spider	Arthropoda	CK
<i>Catocala</i> sp.	underwing moth	Arthropoda	CK
<i>Celastrina ladon ladon</i>	spring azure	Arthropoda	CK
<i>Celithemis elisa</i>	spotted skimmer, calico pennant	Arthropoda	CK,TR
<i>Centropyxis</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Ceraclea cancellatus</i>	caddisfly	Arthropoda	CK
<i>Ceraclea resurgens</i>	caddisfly	Arthropoda	CK

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Ceraclea tarsi-punctata</i>	caddisfly	Arthropoda	CK,ES
<i>Ceraclea transversus</i>	caddisfly	Arthropoda	ES
cerambycid sp.	locust borer beetle	Arthropoda	CK
<i>Ceraticelus fissiceps</i>	dwarf spider	Arthropoda	CK
<i>Ceratopsyche bronta</i>	caddisfly	Arthropoda	ES
<i>Ceratopsyche slossonae</i>	caddisfly	Arthropoda	ES
<i>Ceratopsyche</i> sp.	caddisfly	Arthropoda	ES,TR
<i>Cercobodo</i> sp.	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Cercomonas crassicauda</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Cercomonas longicauda</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Cercyonis pegala</i>	common wood nymph	Arthropoda	CK
<i>Ceriodaphnia lacustris</i>	water flea	Arthropoda	CK,ES
<i>Ceriodaphnia quadrangula</i>	water flea	Arthropoda	ES
<i>Ceriodaphnia reticulata</i>	water flea	Arthropoda	ES
<i>Cernotina ohio</i>	caddisfly	Arthropoda	ES
<i>Ceuthophilus</i> sp.	camel or cave cricket	Arthropoda	CK
<i>Chaenea</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Chaetogaster diaphanus</i>	naidid worm	Annelida	ES
<i>Chaetogaster diastrophus?</i>	naidid worm	Annelida	ES
<i>Chaetogaster limnaei</i>	naidid worm	Annelida	ES
<i>Chaetonotus</i> sp.	gastrotrich	Gastrotricha	ES
<i>Chalybion</i> sp.?	thread-waisted wasp	Arthropoda	CK
<i>Chaoborus flavicans</i>	phantom midge	Arthropoda	ES
<i>Chaoborus punctipennis</i>	phantom midge	Arthropoda	ES
<i>Chauliodes</i> sp.	hellgrammite or fishfly	Arthropoda	CK,ES
<i>Chauliognathus marginata</i>	soldier beetle	Arthropoda	CK
<i>Chauliognathus pennsylvanicus?</i>	soldier beetle	Arthropoda	CK
<i>Cheiracanthium mildei</i>	sac spider	Arthropoda	CK
<i>Cheumatopsyche burksi</i>	caddisfly	Arthropoda	ES
<i>Cheumatopsyche campyla</i>	caddisfly	Arthropoda	CK
<i>Cheumatopsyche minuscula</i>	caddisfly	Arthropoda	ES
<i>Cheumatopsyche pasella</i>	caddisfly	Arthropoda	ES
<i>Cheumatopsyche sordida</i>	caddisfly	Arthropoda	CK,ES
<i>Cheumatopsyche</i> sp.	caddisfly	Arthropoda	ES,TR
<i>Chilocorus stigma</i>	twice-stabbed ladybug	Arthropoda	CK
<i>Chilodonella acuta</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodonella algivora</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodonella capucina</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodonella labiata</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodonella nana</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodonella uncinata</i>	ciliated protozoan	Ciliophora	ES
<i>Chilodontopsis opsis</i>	ciliated protozoan	Ciliophora	ES
<i>Chilomonas</i> sp.	cryptomonad protozoan	Sarcomastigophora	ES
<i>Chimarra obscura</i>	caddisfly	Arthropoda	CK,ES
<i>Chironomus anthracinus</i>	midge	Arthropoda	ES
<i>Chironomus cristatus</i>	midge	Arthropoda	ES
<i>Chironomus decorus</i>	midge	Arthropoda	ES
<i>Chironomus plumosus</i>	midge	Arthropoda	ES
<i>Chironomus riparus</i>	midge	Arthropoda	ES
<i>Chironomus staegeri</i>	midge	Arthropoda	ES
<i>Chironomus tentans</i>	midge	Arthropoda	ES
<i>Chlamydomonas excavata</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlamydomonas globosa</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlamydomonas gracilis</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlamydomonas monadina</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlamydomonas reinhardtii</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlamydomonas subasymetrica</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlorogonium elongatum</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlorogonium euchlorum</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Chlorogonium hyalinum</i>	volvocean protozoan	Sarcomastigophora	ES
chloroperlid sp.	green stonefly	Arthropoda	CK
chloropid sp.	frit fly	Arthropoda	CK
<i>Choristoneura rosaceana</i>	oblique-banded leaf-roller	Arthropoda	CK
<i>Chromagrion</i> sp.	variegated damsel	Arthropoda	TR
<i>Chromulina nana</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Chroomonas norstedtii</i>	cryptomonad protozoan	Sarcomastigophora	ES
chrysidid sp.	cuckoo wasp	Arthropoda	CK
<i>Chrysobothris femorata</i>	flat-headed apple tree borer	Arthropoda	CK

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Chrysochus auratus</i>	dogbane beetle	Arthropoda	CK
<i>Chrysopa oculata</i>	golden eye	Arthropoda	CK
<i>Chrysops</i> sp.	deer fly	Arthropoda	CK,TR
<i>Chydorus sphaericus</i>	water flea	Arthropoda	ES
<i>Ciliophrys</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Cicindela</i> sp.	tiger beetle	Arthropoda	CK
<i>Cicurina pallida</i>	loose-web weaver	Arthropoda	CK
<i>Cinetochilum margaritaceum</i>	ciliated protozoan	Ciliophora	ES
<i>Cipangopaludina japonicus</i>	Japanese mystery snail	Mollusca	ES
<i>Cirurina robusta</i>	funnel web weaver	Arthropoda	CK
<i>Cladopelma</i> sp.	midge	Arthropoda	ES
<i>Cladotanytarsus</i> sp.	midge	Arthropoda	ES
clerid sp.?	checkered beetle	Arthropoda	CK
<i>Climacia</i> sp.	spongillafly	Arthropoda	LE,TR
<i>Clubiona</i> sp.	sac spider	Arthropoda	CK
<i>Clubionoides excepta?</i>	sac spider	Arthropoda	CK
<i>Cochliopodium bilimbosum</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Cochliopodium minus</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Codonella cratera</i>	ciliated protozoan	Ciliophora	ES
<i>Codonosiga</i> sp. [= <i>Codosiga</i> sp.]	choanoflagellate	Sarcomastigophora	ES
<i>Codonosigopsis</i> sp.	choanoflagellate	Sarcomastigophora	ES
<i>Coelotanypus concinnus</i>	midge	Arthropoda	ES
<i>Colaulon</i> sp.	click beetle	Arthropoda	CK
<i>Coleomegilla</i> sp.	ladybird beetle	Arthropoda	CK
<i>Coleps bicuspis</i>	ciliated protozoan	Ciliophora	ES
<i>Coleps hirtus</i>	ciliated protozoan	Ciliophora	ES
<i>Coleps octospinus</i>	ciliated protozoan	Ciliophora	ES
<i>Colias eurytheme</i>	orange sulfur	Arthropoda	CK
<i>Colias philodice</i>	common sulfur	Arthropoda	CK
colletid sp.	colletid bee	Arthropoda	CK
<i>Colponema loxodes</i>	kinetoplastid protozoan	Sarcomastigophora	ES
coniopterygid sp.	dustwing	Arthropoda	CK
<i>Conochilus</i> sp.	rotifer	Rotifera	LE
<i>Conotrachelus nenuphar</i>	plum curculio	Arthropoda	CK
<i>Copelatus glyphicus</i>	diving beetle	Arthropoda	ES
<i>Copelatus</i> sp.	diving beetle	Arthropoda	ES
<i>Coptotomus lenticus</i>	diving beetle	Arthropoda	ES
<i>Coras medicinalis</i>	funnel web weaver	Arthropoda	CK
<i>Coriarachne versicolor?</i>	crab spider	Arthropoda	CK
<i>Corisella inscripta</i>	water boatman	Arthropoda	ES
<i>Corydalis cornutus</i>	hellgrammite	Arthropoda	CK,TR
<i>Corythuca pruni</i>	lace bug	Arthropoda	CK
<i>Crambus</i> sp.	close-wings or grass moth	Arthropoda	CK
<i>Crangonyx gracilis</i>	sideswimmer	Arthropoda	ES
<i>Craspedacusta sowerbyi</i>	freshwater jellyfish	Cnidaria	CK,TR
<i>Crematogaster</i> sp.	small black ant	Arthropoda	CK
<i>Creophilus maxillosus</i>	rove beetle	Arthropoda	CK
<i>Criconemoides</i> sp.	roundworm	Nematoda	ES
<i>Cricotopus sylvestris</i>	midge	Arthropoda	ES
<i>Cricotopus tremulus</i>	midge	Arthropoda	ES
<i>Cricotopus trifascia</i>	midge	Arthropoda	ES
<i>Cristigera phoenix</i>	ciliated protozoan	Ciliophora	ES
<i>Crustulina altera</i>	comb-footed spider	Arthropoda	CK
<i>Cryptochironomus</i> sp.	midge	Arthropoda	ES
<i>Cryptomonas compressa</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Cryptomonas erosa</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Cryptomonas obovata</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Cryptomonas ovata</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Cryptomonas reflexa</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Cryptomonas tenuis</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Ctenocephalides canis</i>	dog flea	Arthropoda	CK
<i>Ctenocephalides felis</i>	cat flea	Arthropoda	CK
<i>Ctenucha virginica</i>	ctenuchid Virginia moth	Arthropoda	CK
<i>Culex pipiens</i>	mosquito	Arthropoda	CK
<i>Curculio</i> sp.	chestnut weevil	Arthropoda	CK
<i>Curculio</i> sp.	nut weevil	Arthropoda	CK
curculionid sp.	weevil	Arthropoda	CK
<i>Cyathomonas truncata</i>	cryptomonad protozoan	Sarcomastigophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Cyclidium glaucoma</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclidium litomesum</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclidium muscicola</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclidium paucisetum</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclidium pellucidum</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclidium versatile</i>	ciliated protozoan	Ciliophora	ES
<i>Cyclonaias tuberculata</i>	purple wartyback	Mollusca	LE
<i>Cyclops varicans rubellus?</i>	copepod	Arthropoda	CK,ES,LE
<i>Cyclosa conica</i>	orb weaver	Arthropoda	CK
<i>Cydia pomonella</i>	codling moth	Arthropoda	CK
cydnid sp.	burrower bug	Arthropoda	CK
<i>Cymbiodyta</i> sp.	water scavenger beetle	Arthropoda	ES
<i>Cyphoderia ampulla</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Cyphon</i> sp.	marsh beetle	Arthropoda	ES
<i>Cypria ophthalmica</i>	seed shrimp	Arthropoda	ES
<i>Cypria pellucida</i>	seed shrimp	Arthropoda	ES
<i>Cypridopsis vidua</i>	seed shrimp	Arthropoda	ES
<i>Cyrnellus fraternus</i>	caddisfly	Arthropoda	CK,ES
<i>Cyrnellus marginalis</i>	caddisfly	Arthropoda	ES
<i>cyrtacanthacridin</i> sp.	spur-throated grasshopper	Arthropoda	CK
<i>Cyrtolophosis mucicola</i>	ciliated protozoan	Ciliophora	ES
<i>Cyrtophorus verrucosus</i>	long-horned beetle	Arthropoda	CK
<i>Daktulosphaira vitifoliae</i>	grape phylloxera	Arthropoda	CK
<i>Danaus plexippus</i>	monarch butterfly	Arthropoda	CK
<i>Daphnia catawba</i>	water flea	Arthropoda	LE
<i>Daphnia galeata mendotae</i>	water flea	Arthropoda	CK,ES,LE
<i>Daphnia parvula</i>	water flea	Arthropoda	CK,LE
<i>Daphnia retrocurva</i>	water flea	Arthropoda	CK,ES,LE
<i>Darwinula stevensoni</i>	seed shrimp	Arthropoda	ES
<i>Dermestes lardarius?</i>	larder beetle	Arthropoda	CK
<i>Dero nivea</i>	naidid worm	Annelida	ES
<i>Dero trifida?</i>	naidid worm	Annelida	ES
<i>Dero vaga [=Auloporus vaga]</i>	naidid worm	Annelida	ES
<i>Derodontus</i> sp.	tooth-necked fungus beetle	Arthropoda	CK
<i>Desmarella</i> sp.	choanoflagellate	Sarcomastigophora	ES
<i>Diabrotica undecimpunctata howardi</i>	spotted cucumber beetle	Arthropoda	CK
<i>Diacyclops</i> cf. <i>navus</i>	copepod	Arthropoda	ES
<i>Diacyclops nearcticus</i>	copepod	Arthropoda	ES
<i>Diacyclops thomasi</i>	copepod	Arthropoda	CK,ES,LE
<i>Diaphanosoma birgei</i>	water flea	Arthropoda	CK,ES,LE
<i>Diaptomus</i> sp.	copepod	Arthropoda	ES
<i>Diastrophus cuscutaeformis</i>	blackberry gall	Arthropoda	CK
<i>Diastrophus nebulosis</i>	blackberry gall-maker	Arthropoda	CK
<i>Dicrotendipes nervous</i>	midge	Arthropoda	ES
<i>Dicrotendipes</i> sp.	midge	Arthropoda	ES
<i>Dictynia annulipes</i>	loose-web weaver	Arthropoda	CK
<i>Didea</i> sp.	flower fly	Arthropoda	CK
<i>Didinium nasutum</i>	ciliated protozoan	Ciliophora	ES
<i>Diffugia acuminata</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Diffugia globosa</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Diffugia lobostoma</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Diffugia pyriformis</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Dineutus assimilis</i>	whirligig beetle	Arthropoda	ES
<i>Dineutus</i> sp.	whirligig beetle	Arthropoda	CK,ES
<i>Dinobryon bavaricum</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Dinobryon sertularia</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Diplophrys archeri</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Diplosiga</i> sp.	choanoflagellate	Sarcomastigophora	ES
dipluran sp.	dipluran	Arthropoda	CK
<i>Disonycha</i> sp.	leaf beetle	Arthropoda	CK
<i>Disparalona leei</i>	water flea	Arthropoda	CK,ES,LE
dolichopodid sp.	long-legged fly	Arthropoda	CK
<i>Dolomedes tenebrosus?</i>	nursery web spider	Arthropoda	CK
<i>Donacia</i> sp.	leaf beetle	Arthropoda	ES
<i>Dorylaimus</i> sp.	roundworm	Nematoda	ES
<i>Draeculacephala mollipes</i>	cicadellin leafhopper	Arthropoda	CK
<i>Dreissena bugensis</i>	quagga mussel	Mollusca	LE
<i>Dreissena polymorpha</i>	zebra mussel	Mollusca	ES,LE

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Dromogokmplus spinosus</i>	spinylegged clubtail	Arthropoda	TR
<i>Dromogokmplus spoliatus</i>	spinylegged clubtail	Arthropoda	TR
<i>Drosophila melanogaster</i>	pomace fly	Arthropoda	CK
<i>Dubiraphia bivittata</i>	riffle beetle	Arthropoda	ES
<i>Dubiraphia</i> sp.	riffle beetle	Arthropoda	ES,TR
<i>Dugesia tigrina</i>	planaria	Platyhelminthes	CK
<i>Dysaphis plantaginea</i>	rosy apple aphid	Arthropoda	CK
<i>Dytiscus fasciventris</i>	diving beetle	Arthropoda	ES
<i>Elaphidionoides</i> sp. [=Elaphidion]	longhorn twig pruner beetle	Arthropoda	CK
<i>Elaphrus ruscarius</i>	marsh or bog beetle	Arthropoda	CK
<i>Ellipes minuta minuta</i>	pygmy mole cricket	Arthropoda	ES,TR
<i>Elliptio dilatata</i>	spike	Mollusca	LE,TR
<i>Ellychnia</i> sp.	firefly or lightningbug	Arthropoda	CK
<i>Empoascus fabae</i>	potato leafhopper	Arthropoda	CK
<i>Enallagma antennatum</i>	bluet	Arthropoda	CK,ES
<i>Enallagma civile</i>	civil bluet	Arthropoda	CK,ES
<i>Enallagma exsulans</i>	bluet	Arthropoda	CK
<i>Enallagma signatum</i>	bluet	Arthropoda	CK
<i>Enallagma vespersum</i>	bluet	Arthropoda	ES
<i>Enchelydium</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Endochironomus nigrans</i>	midge	Arthropoda	ES
endomychid sp.	handsome fungus beetle	Arthropoda	CK
<i>Enochrus hamiltoni</i>	water scavenger beetle	Arthropoda	ES
<i>Enochrus ochraceus</i>	water scavenger beetle	Arthropoda	CK,ES
<i>Enochrus perplexus</i>	water scavenger beetle	Arthropoda	ES
<i>Enochrus pygmaeus nebulosus</i>	water scavenger beetle	Arthropoda	ES
<i>Enochrus sayi</i>	water scavenger beetle	Arthropoda	ES
<i>Enodia anthedon</i>	northern pearly eye	Arthropoda	CK
entomobryid sp.	springtail	Arthropoda	CK,ES
<i>Entosiphon obliquum</i>	colorless euglena	Sarcomastigophora	ES
<i>Entosiphon ovatum</i>	colorless euglena	Sarcomastigophora	ES
<i>Entosiphon polyalux</i>	colorless euglena	Sarcomastigophora	ES
<i>Entosiphon sulcatum</i>	colorless euglena	Sarcomastigophora	ES
<i>Epargyreus clarus</i>	silver-spotted skipper	Arthropoda	CK
<i>Ephemera</i> sp.	burrowing mayfly	Arthropoda	TR
<i>Ephemerella</i> sp.	spiny crawler	Arthropoda	CK
<i>Ephoron</i> sp.	pale burrowing mayfly	Arthropoda	TR
ephydrid sp.	shore fly	Arthropoda	CK,ES
<i>Epicauta</i> sp.	blister beetle	Arthropoda	CK
<i>Epilachna varivestis</i>	Mexican bean beetle	Arthropoda	CK
<i>Epischura lacustris</i>	copepod	Arthropoda	ES
<i>Epiteca princeps</i>	royal skimmer	Arthropoda	ES
<i>Eriosoma lanigerum</i>	wooly aphid	Arthropoda	CK
<i>Eris militaris</i>	jumping spider	Arthropoda	CK
<i>Eristalis tenax?</i>	hover fly	Arthropoda	CK
<i>Ero canionis</i>	ambush spider	Arthropoda	ES
erotylid sp.?	pleasing fungus beetle	Arthropoda	CK
<i>Erynnis baptisiae</i>	wild indigo duskywing skipper	Arthropoda	CK
<i>Erythemis simplicicollis</i>	eastern pondhawk	Arthropoda	CK,ES,TR
<i>Estigmene</i> sp.?	white moth	Arthropoda	CK
<i>Euborellia annulipes?</i>	ring-legged earwig	Arthropoda	TR
<i>Eubosmina coregoni</i>	water flea	Arthropoda	CK,ES,LE
<i>Euchlanis parva</i>	rotifer	Rotifera	ES
<i>Euchoeca albobitatta</i>	white-striped black moth	Arthropoda	CK
<i>Eucyclops agilis</i>	copepod	Arthropoda	ES,LE
<i>Eucyclops elegans</i> [=E. speratus]	copepod	Arthropoda	ES
<i>Euglena acus</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena deses</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena ehrenbergii</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena gracilis</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena oxyuris</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena oxyuris</i> var. <i>minuta</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena pisciformis</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena tripteris</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Euglena vermiformis</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Eumenes</i> sp.?	potter wasp	Arthropoda	CK
<i>Eunapius fragilis</i>	freshwater sponge	Porifera	LE
<i>Euphoria inda?</i>	bumble flower beetle	Arthropoda	CK

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Euplotes</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Eurosta solidaginis</i>	round ball goldenrod gall	Arthropoda	CK
<i>Eurytemora affinis</i>	copepod	Arthropoda	CK,ES,LE
eurytomid sp.	chalcid seed wasp	Arthropoda	CK
<i>Euschistus icterius</i>	stink bug	Arthropoda	CK
<i>Eustala anastera</i>	orb weaver	Arthropoda	CK
<i>Euzophera semifuneralis</i>	American plum borer	Arthropoda	CK
evaniid sp.	ensign wasp	Arthropoda	ES
<i>Everes comyntas</i>	eastern tailed blue	Arthropoda	CK
<i>Ferrissia parallela</i>	oblong ancyloid	Mollusca	ES
<i>Finlinia</i> sp.	rotifer	Rotifera	ES
<i>Floscularia</i> sp.	rotifer	Rotifera	ES
<i>Forficula auricularia</i> ?	European earwig	Arthropoda	CK
<i>Formica</i> sp.	mound builder ant	Arthropoda	CK
<i>Fossaria</i> sp. [=Galba sp.]	fossaria	Mollusca	ES
<i>Frontinella pyramitela</i>	sheet-web weaver	Arthropoda	CK
<i>Frontonia</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Gammarus fasciatus</i>	sideswimmer	Arthropoda	ES
<i>Gammarus pseudolimnaeus</i>	sideswimmer	Arthropoda	ES
<i>Gea heptagon</i>	orb weaver	Arthropoda	CK
<i>Gelastocoris</i> sp.	toad bug	Arthropoda	TR
<i>Geocoris uliginosis</i>	big-eyed bug	Arthropoda	CK
<i>Gerris buenoi</i>	water strider	Arthropoda	ES
<i>Gerris canaliculatus</i>	water strider	Arthropoda	ES
<i>Gerris comatus</i>	water strider	Arthropoda	ES
<i>Gerris marginatus</i>	water strider	Arthropoda	ES
<i>Gerris remigis</i>	water strider	Arthropoda	ES
<i>Glischrochilus fasciatus</i>	cryptarchin sap beetle	Arthropoda	CK
<i>Glossiphonia</i> sp.	leech	Annelida	ES
<i>Glyptotendipes loberiferus</i>	midge	Arthropoda	ES
<i>Glyptotendipes</i> sp.	midge	Arthropoda	ES
<i>Gnorimoschema gallaesolidaginis</i>	golden rod gall	Arthropoda	CK
<i>Graphocephala coccinea</i>	colorful leafhopper	Arthropoda	CK
<i>Grapholitha molesta</i>	Oriental fruit moth	Arthropoda	CK
<i>Gryllus</i> sp.	field cricket	Arthropoda	CK
<i>Gymnodinium fungiforme</i>	dinoflagellate	Sarcomastigophora	ES
<i>Gyraulus deflectus</i>	flexed gyro	Mollusca	ES
<i>Habrocestum pulex</i>	jumping spider	Arthropoda	CK
<i>Haemonais waldvogeli</i>	naidid worm	Annelida	ES
<i>Haemotopis grataria</i>	chickweed geometer moth	Arthropoda	CK
<i>Hagenius brevistylus</i>	black dragonfly	Arthropoda	TR
halictid sp.	halictid bee	Arthropoda	CK
<i>Halipilus borealis</i>	crawling water beetle	Arthropoda	ES
<i>Halipilus immaculicollis</i>	crawling water beetle	Arthropoda	ES
<i>Halipilus triopsis</i>	crawling water beetle	Arthropoda	ES,TR
<i>Halteria grandunella</i>	ciliated protozoan	Ciliophora	ES
<i>Harmonia axyridis</i>	Asiatic lady beetle	Arthropoda	CK
<i>Harpalus compar</i>	ground beetle	Arthropoda	CK
<i>Harpalus herbivagus</i>	ground beetle	Arthropoda	CK
<i>Hartmannella vermiformis</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Hartmannella</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Hedriodiscus</i> sp.	soldier fly	Arthropoda	ES
heleomyzid sp.	heleomyzid fly	Arthropoda	CK
<i>Helichus</i> sp.	long-toed water beetle	Arthropoda	CK,ES
<i>Helicobia</i> sp.	flesh fly	Arthropoda	CK
<i>Helicopsyche</i> sp.	caddisfly	Arthropoda	TR
<i>Heliothis zea</i>	corn earworm	Arthropoda	CK
<i>Helisoma anceps anceps</i>	two-ridge rams-horn	Mollusca	ES
<i>Helobdella stagnalis</i>	leech	Annelida	ES
<i>Helophorus lineatus</i>	water scavenger beetle	Arthropoda	ES
<i>Helophorus orientalis</i>	water scavenger beetle	Arthropoda	ES
<i>Helophorus marginicollis</i>	water scavenger beetle	Arthropoda	ES
<i>Helophorus</i> sp.	water scavenger beetle	Arthropoda	ES
hemerobiid sp.	brown lacewing	Arthropoda	CK
<i>Hemerocampa leucostigma</i>	white-marked tussock moth	Arthropoda	CK
<i>Hemiophrys pleurosigma</i>	ciliated protozoan	Ciliophora	ES
<i>Hemiophrys</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Heptagenia pulla</i>	flatheaded mayfly	Arthropoda	CK

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Heptagenia</i> sp.	flatheaded mayfly	Arthropoda	CK
<i>Herpyllus ecclesiasticus</i>	parson spider	Arthropoda	CK
<i>Hesperocorixa lucida</i>	water boatman	Arthropoda	ES
<i>Hesperocorixa</i> sp.	water boatman	Arthropoda	TR
<i>Hetaerina americana</i>	American ruby spot	Arthropoda	ES
<i>Heterocerus</i> sp.	variegated mud-loving beetle	Arthropoda	ES,TR
<i>Heteronema klebsii</i>	colorless euglena	Sarcomastigophora	ES
<i>Heterophrys</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Heterosternuta wickhami</i>	diving beetle	Arthropoda	ES
<i>Hexagenia limbata</i>	burrowing mayfly	Arthropoda	ES
<i>Hexatoma</i> sp.	crane fly	Arthropoda	TR
<i>Hippodamia convergens?</i>	covergent ladybird beetle	Arthropoda	CK
<i>Hister foedatus?</i>	hister beetle	Arthropoda	CK
<i>Histiobalantium natans</i>	ciliated protozoan	Ciliophora	ES
<i>Hogna helluo</i>	wolf spider	Arthropoda	ES
<i>Hogna rabida</i>	wolf spider	Arthropoda	ES
<i>Holophrya nigricans</i>	ciliated protozoan	Ciliophora	ES
<i>Holophrya</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Holostricha vernalis</i>	ciliated protozoan	Ciliophora	ES
<i>Homaetarsus</i> sp.	rove beetle	Arthropoda	CK
<i>Hoplia</i> sp.	grapevine beetle	Arthropoda	CK
<i>Hoplistoscelus sordidus</i>	damsel bug	Arthropoda	CK
<i>Hyalella azteca</i>	sideswimmer	Arthropoda	ES
<i>Hyalosphenia</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Hydra americana</i>	hydra	Cnidaria	ES
<i>Hydrobaenus</i> sp.	midge	Arthropoda	ES
<i>Hydrobius fuscipes</i>	water scavenger beetle	Arthropoda	ES
<i>Hydrocantus iricolor</i>	burrowing water beetle	Arthropoda	ES
<i>Hydrochara leechi</i>	water scavenger beetle	Arthropoda	ES
<i>Hydrochara obtusata</i>	water scavenger beetle	Arthropoda	CK,ES,TR
<i>Hydrochara</i> sp.	water scavenger beetle	Arthropoda	ES
<i>Hydrometra martini</i>	water measurer	Arthropoda	ES
<i>Hydrometra</i> sp.	water measurer	Arthropoda	CK
<i>Hydrophilus</i> sp.	water scavenger beetle	Arthropoda	TR
<i>Hydroporus</i> sp.	diving beetle	Arthropoda	CK,ES
<i>Hydropsyche betteni</i>	caddisfly	Arthropoda	CK,ES
<i>Hydropsyche recurvata</i>	caddisfly	Arthropoda	CK,ES
<i>Hydropsyche walkeri</i>	caddisfly	Arthropoda	CK
<i>Hydropsyche</i> sp.	caddisfly	Arthropoda	CK,ES,TR
<i>Hydroptila ajax</i>	caddisfly	Arthropoda	CK,ES
<i>Hydroptila angusta</i>	caddisfly	Arthropoda	CK
<i>Hydroptila armata</i>	caddisfly	Arthropoda	ES
<i>Hydroptila consimilis</i>	caddisfly	Arthropoda	ES
<i>Hydroptila grandiosa</i>	caddisfly	Arthropoda	CK
<i>Hydroptila perdita</i>	caddisfly	Arthropoda	CK,ES
<i>Hydroptila spatulata</i>	caddisfly	Arthropoda	CK
<i>Hydroptila waubesiana</i>	caddisfly	Arthropoda	CK,ES
<i>Hydrovatus</i> sp.	diving beetle	Arthropoda	CK,ES
<i>Hygrotus dissimilis</i>	diving beetle	Arthropoda	ES
<i>Hygrotus impressopunctatus</i>	diving beetle	Arthropoda	ES
<i>Hygrotus sayi</i>	diving beetle	Arthropoda	ES
<i>Hymanella retenuova</i>	planaria	Platyhelminthes	ES
<i>Hyperodes</i> sp.	weevil	Arthropoda	TR
<i>Hyphantria cunea</i>	fall webworm	Arthropoda	CK
<i>Hypotrichidium conicum</i>	ciliated protozoan	Ciliophora	ES
ichneumonid sp.	ichneumon wasp	Arthropoda	CK,ES
<i>Ilybius</i> sp.	diving beetle	Arthropoda	CK
<i>Ilyocryptus sordidus</i>	water flea	Arthropoda	CK,ES,LE
<i>Ilyodrilus templetoni</i>	tubificid worm	Annelida	ES
<i>Ischnura posita</i>	forktail	Arthropoda	CK,ES
<i>Ischnura verticalis</i>	forktail	Arthropoda	CK,ES
<i>Isia isabella</i>	banded woollybear	Arthropoda	CK
<i>Isonychia sicca</i>	brushlegged mayfly	Arthropoda	CK
<i>Isoperla duplicata</i>	green-winged stonefly	Arthropoda	CK
isotomid sp.	springtail	Arthropoda	ES
<i>Junonia coenia</i>	buckeye	Arthropoda	CK
<i>Kellicottia longispina</i>	rotifer	Rotifera	ES
<i>Keratella cochlearis</i>	rotifer	Rotifera	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Keratella cochlearis</i> forma <i>tecta</i>	rotifer	Rotifera	ES
<i>Keratella cochlearis</i> forma <i>typica</i>	rotifer	Rotifera	ES
<i>Keratella quadrata</i>	rotifer	Rotifera	ES
<i>Keronopsis</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Labia</i> sp. ?	little earwig	Arthropoda	CK
<i>Labrundinia pilosilla</i>	midge	Arthropoda	ES
<i>Laccobius</i> sp.	water scavenger beetle	Arthropoda	ES
<i>Laccophilus maculosus maculosus</i>	diving beetle	Arthropoda	ES
<i>Laccophilus</i> sp.	diving beetle	Arthropoda	CK
<i>Lacrymaria olor</i>	ciliated protozoan	Ciliophora	ES
<i>Lampsilis radiata luteola</i>	lampmussel	Mollusca	LE,TR
<i>Lampsilis ventricosa</i>	fatmucket	Mollusca	LE,TR
<i>Lasiomerus</i> sp.	damsel bug	Arthropoda	CK
<i>Lasius</i> sp.	winged ant	Arthropoda	CK
<i>Lasmigona compressa</i>	creek heelsplitter	Mollusca	TR
<i>Latona setifera</i>	water flea	Arthropoda	ES
<i>lauxaniid</i> sp.	lauxaniid fly	Arthropoda	CK
<i>Lecane luna</i>	rotifer	Rotifera	ES
<i>Lembadion bullinum</i>	ciliated protozoan	Ciliophora	ES
lepismatid sp.	silverfish	Arthropoda	CK
<i>Lepocinclis</i> sp.	euglenoid protozoan	Sarcomastigophora	ES
<i>Lepthyphantes zebra</i>	sheet-web weaver	Arthropoda	CK
<i>Leptinotarsa decemlineata</i>	Colorado potato beetle	Arthropoda	CK
<i>Leptocerus americanus</i>	caddisfly	Arthropoda	CK
<i>Leptocoris trivittatus</i>	boxelder bug	Arthropoda	CK
<i>Leptodea fragilis</i>	fragile papershell	Mollusca	LE
<i>Leptodiptomus ashlandi</i>	copepod	Arthropoda	CK,ES,LE
<i>Leptodiptomus minutus</i>	copepod	Arthropoda	ES,LE
<i>Leptodiptomus sicilis</i>	copepod	Arthropoda	ES,LE
<i>Leptodiptomus siciloides</i>	copepod	Arthropoda	CK,ES,LE
<i>leptodirin</i> sp.	small carrion beetle	Arthropoda	CK
<i>Leptodora kindtii</i>	large water flea	Arthropoda	LE
<i>Leptoglossus oppositus?</i>	lead-footed bug	Arthropoda	CK
<i>Leptopharynx sphagnetorum</i>	ciliated protozoan	Ciliophora	ES
<i>Leptophlebia</i> sp.	pronggill mayfly	Arthropoda	ES
<i>Leptoptera dolabrata</i>	meadow plant bug	Arthropoda	CK
<i>Leptothorax</i> sp.	ant	Arthropoda	CK
<i>Lestes forcipatus</i>	marsh spreadwing	Arthropoda	TR
<i>Leucorrhinia</i> sp.	whitefaced skimmer	Arthropoda	ES
<i>Leydigia acanthocercoides</i>	water flea	Arthropoda	ES
<i>Leydigia leydigi</i>	water flea	Arthropoda	CK,ES,LE
<i>Libellula luctuosa</i>	widow dragonfly	Arthropoda	CK,TR
<i>Libellula pulchella</i>	tenspot dragonfly	Arthropoda	CK,ES
<i>Libytheana bachmanii</i>	snout butterfly	Arthropoda	CK
<i>Ligumia recta</i>	black sandshell	Mollusca	LE
<i>Limenitis archippus</i>	viceroys	Arthropoda	CK
<i>Limenitis arthemis astyanax</i>	red-spotted purple	Arthropoda	CK
<i>Limnephilus submonilifer</i>	caddisfly	Arthropoda	CK
<i>Limnesia</i> sp.	freshwater mite	Arthropoda	ES
<i>Limnochironomus tenuicadatus</i>	midge	Arthropoda	ES
<i>Limnodrilus hoffmeisteri</i>	tubificid worm	Annelida	ES
<i>Limnodrilus maumeensis</i>	tubificid worm	Annelida	ES
<i>Limnodrilus profundicola</i>	tubificid worm	Annelida	ES
<i>Limnodrilus udekemianus</i>	tubificid worm	Annelida	ES
<i>Limnodrilus cervix</i>	tubificid worm	Annelida	ES
<i>Limnodrilus claparedeianus</i>	tubificid worm	Annelida	ES
<i>Limnophyes</i> sp.	midge	Arthropoda	ES
<i>Limnostrombidium</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Lipiniella</i> sp.	midge	Arthropoda	ES
<i>Litonotus anguilla</i>	ciliated protozoan	Ciliophora	ES
<i>Litonotus cygus</i>	ciliated protozoan	Ciliophora	ES
<i>Litonotus fasciola</i>	ciliated protozoan	Ciliophora	ES
<i>Litonotus lamella</i>	ciliated protozoan	Ciliophora	ES
<i>Litonotus</i> sp.	ciliated protozoan	Ciliophora	ES
lonchopterid sp.	spear-winged fly	Arthropoda	ES
<i>Lophopodella carteri</i>	sac bryozoan	Bryozoa	ES
<i>Loxophyllum uninucleatum</i>	ciliated protozoan	Ciliophora	ES
<i>Loxophyllum</i> sp.	ciliated protozoan	Ciliophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Lucidota atra</i>	firefly or lightningbug	Arthropoda	CK
<i>Lucidota punctata</i>	firefly or lightningbug	Arthropoda	CK
<i>Lucilia illustris?</i>	blow fly	Arthropoda	CK
<i>Lumbriculus variegatus</i>	aquatic earthworm	Annelida	ES
<i>Lycaena phlaeas</i>	American copper	Arthropoda	CK
lyctin sp.?	powder-post beetle	Arthropoda	CK
<i>Lygaeus kalmii</i>	small milkweed bug	Arthropoda	CK
<i>Lygus lineolaris?</i>	tarnished plant bug	Arthropoda	CK
<i>Lymnaea megasoma</i>	mammoth lymnaea	Mollusca	ES
<i>Lytta aenea</i>	blister beetle	Arthropoda	CK
macrobiotid sp.	water bear	Tardigrada	ES
<i>Macrocyclus albidus</i>	copepod	Arthropoda	ES
<i>Macroductylus subspinosus</i>	rose chafer	Arthropoda	CK
<i>Macromia illinoiensis</i>	river skimmer	Arthropoda	TR
<i>Macromia taeniolata</i>	river skimmer	Arthropoda	TR
<i>Macrothrix laticornis</i>	water flea	Arthropoda	CK,ES
<i>Maevia inclemens?</i>	jumping spider	Arthropoda	CK
<i>Malacosoma americanum</i>	eastern tent caterpillar	Arthropoda	CK
<i>Mallomonas elegans</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Mallomonas intermedia</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Manduca quinquemaculata</i>	tomato hornworm	Arthropoda	CK
<i>Mangora placida</i>	orb weaver	Arthropoda	CK
<i>Mayorella bigemma</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Mayorella penardi</i>	amoeboid protozoan	Sarcomastigophora	ES
megachilid sp.	leafcutting bee	Arthropoda	CK
<i>Megacyllene robiniae</i>	locust borer	Arthropoda	CK
<i>Megarhyssa</i> sp.?	ichneumon wasp	Arthropoda	CK
<i>Megisto cymela</i>	little wood satyr	Arthropoda	CK
<i>Meioneta unimaculata</i>	sheet-web weaver	Arthropoda	CK
<i>Melanotus</i> sp.	click beetle	Arthropoda	CK
<i>Melaphis rhois?</i>	sumac gall	Arthropoda	CK
melolonthin sp.	May beetle	Arthropoda	CK
melyrid sp.	soft-winged flower beetle	Arthropoda	CK
membracid sp.	treehopper	Arthropoda	CK,ES
<i>Menoidium gibbum</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Merragata</i> sp.	velvet water bug	Arthropoda	TR
<i>Merycomia</i> sp.	horse fly	Arthropoda	TR
<i>Mesocyclops edax</i>	copepod	Arthropoda	CK,ES,LE
<i>Mesodinium pulex</i>	ciliated protozoan	Ciliophora	ES
<i>Mesodon thyroidus</i>	white-lip globe	Mollusca	ES
<i>Mesostoma</i> sp.?	turbellarian flatworm	Platyhelminthes	ES
<i>Mesovelia mulsanti</i>	water treader	Arthropoda	ES
<i>Mesovelia</i> sp.	water treader	Arthropoda	ES
<i>Metaphidippus</i> sp.	jumping spider	Arthropoda	CK
<i>Metrobates hesperius</i>	water strider	Arthropoda	TR
<i>Micracanthia</i> sp.	shore bug	Arthropoda	CK,ES
<i>Micrathena gracilis</i>	orb weaver	Arthropoda	CK
<i>Microcentrum rhombifolium</i>	broad-winged katydid	Arthropoda	CK
<i>Microchironomus</i> sp.	midge	Arthropoda	ES
<i>Microcyclops varicans rubellus</i>	copepod	Arthropoda	ES
<i>Microcyloepus</i> sp.	riffle beetle	Arthropoda	ES
<i>Microdalyellia</i> sp.?	turbellarian flatworm	Platyhelminthes	ES
<i>Microglena</i> sp.	chrysomonad protozoan	Sarcomastigophora	ES
<i>Micropsectra polita</i>	midge	Arthropoda	ES
<i>Microtendipes caelum</i>	midge	Arthropoda	ES
<i>Microthorax simulans</i>	ciliated protozoan	Ciliophora	ES
<i>Microvelia</i> sp.?	small water strider	Arthropoda	CK,TR
<i>Misumenoides formosipes</i>	crab spider	Arthropoda	CK
<i>Misumenops asperatus?</i>	crab spider	Arthropoda	CK
<i>Moina micrura</i>	water flea	Arthropoda	CK,ES
<i>Monas guttula</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Monas socialis</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Monobia</i> sp.?	potter wasp	Arthropoda	CK
<i>Monomorium pharaonis?</i>	Pharaoh ant	Arthropoda	CK
<i>Monosiga ovata</i>	choanoflagellate	Sarcomastigophora	ES
<i>Monosiga robusta</i>	choanoflagellate	Sarcomastigophora	ES
<i>Musca</i> sp.	house fly	Arthropoda	CK
<i>Musculium securis</i>	pond fingernail clam	Mollusca	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Musculium</i> sp.	finger nail clam	Mollusca	ES
mycetophilid sp.	fungus gnat	Arthropoda	CK,ES
<i>Myodocha serripes</i>	seed bug	Arthropoda	CK
<i>Myrmica</i> sp.	ant	Arthropoda	CK
<i>Myzus cerasi</i>	black cherry aphid	Arthropoda	CK
<i>Myzus persicae</i>	green peach aphid	Arthropoda	CK
nabid sp.	damsel bug	Arthropoda	CK
<i>Nabis</i> sp.	damsel bug	Arthropoda	CK
<i>Naegleria gruber</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Nais barbata</i>	naidid worm	Annelida	ES
<i>Nais communis</i>	naidid worm	Annelida	ES
<i>Nais elinguis</i>	naidid worm	Annelida	ES
<i>Nais pardalis</i>	naidid worm	Annelida	ES
<i>Nais pseudobtusa</i>	naidid worm	Annelida	ES
<i>Nais variabilis</i>	naidid worm	Annelida	ES
<i>Nectopsyche</i> sp.	caddisfly	Arthropoda	CK,ES
<i>Nehalennia irene</i>	green damsel	Arthropoda	ES
nemourid sp.	broadback stonefly	Arthropoda	CK
<i>Neocurtilla hexadactyla</i>	northern mole cricket	Arthropoda	CK
<i>Neoperla</i> sp.	stonefly	Arthropoda	TR
<i>Neophasganophora</i> sp.	great stonefly	Arthropoda	TR
<i>Neophylax</i> sp.	caddisfly	Arthropoda	CK
<i>Neoporus</i> sp.	diving beetle	Arthropoda	ES
<i>Neoscona crucifera</i>	orb weaver	Arthropoda	CK
<i>Nepa</i> sp.	oval water scorpion	Arthropoda	TR
<i>Neriene radiata?</i> [or <i>Microlin</i> sp.]	sheet-web weaver	Arthropoda	CK
<i>Neumania</i> sp.	clam mite	Arthropoda	ES
<i>Neureclipsis crepuscularis</i>	caddisfly	Arthropoda	ES
nitidulid sp.	sap beetle	Arthropoda	CK
<i>Nitocra hibernica</i>	copepod	Arthropoda	ES
nomadin sp.?	cuckoo bee	Arthropoda	CK
<i>Nomotetrix cristatus</i>	pygmy grasshopper	Arthropoda	TR
noterid sp.	burrowing water beetle	Arthropoda	ES
notodontid sp.	prominent moth	Arthropoda	CK
<i>Notonecta irrorata</i>	backswimmer	Arthropoda	ES
<i>Notonecta raleighi lunata</i>	backswimmer	Arthropoda	ES
<i>Notonecta undulata</i>	backswimmer	Arthropoda	ES
<i>Notosolenus apocamptus</i>	colorless euglena	Sarcomastigophora	ES
<i>Notosolenus obicularis</i>	colorless euglena	Sarcomastigophora	ES
<i>Notosolenus sinuatus</i>	colorless euglena	Sarcomastigophora	ES
<i>Nuclearia</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Nyctiophylax moestus</i>	caddisfly	Arthropoda	CK,ES
<i>Nymphalis antiopa</i>	mourning cloak	Arthropoda	CK
<i>Nymphalis milberti</i>	Milbert's tortoise shell	Arthropoda	CK
<i>Oberea bimaculata</i>	raspberry cane borer	Arthropoda	CK
<i>Ochromonas ludibunda</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Ochrotrichia tarsalis</i>	caddisfly	Arthropoda	CK,ES
<i>Odontomyia</i> sp.	soldier fly	Arthropoda	ES
<i>Odontota dorsalis?</i>	locust leaf beetle	Arthropoda	CK
<i>Oecetis avara</i>	caddisfly	Arthropoda	ES
<i>Oecetis cinerascens</i>	caddisfly	Arthropoda	CK,ES
<i>Oecetis inconspicua</i>	caddisfly	Arthropoda	CK,ES
<i>Oecetis persimilis</i>	caddisfly	Arthropoda	CK
oedipidid sp.	band-winged grasshopper	Arthropoda	CK
<i>Oikomonas termo</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Ophidonais serpentina</i>	naidid worm	Annelida	ES
<i>Orconectes rusticus</i>	rusty crayfish	Arthropoda	ES
<i>Orius insidiosus</i>	insidious flower bug	Arthropoda	CK
<i>Orthocladus obumbratus</i>	midge	Arthropoda	ES
<i>Orthocladus</i> sp.	midge	Arthropoda	ES
<i>Orthotrichia americana</i>	caddisfly	Arthropoda	CK,ES
<i>Oscillosignum proboscidium</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Ostrinia nubilalis</i>	European corn borer	Arthropoda	CK
<i>Oxeythira pallida</i>	caddisfly	Arthropoda	ES
<i>Oxytricha aeruginosa</i>	ciliated protozoan	Ciliophora	ES
<i>Oxytricha bifaria</i>	ciliated protozoan	Ciliophora	ES
<i>Oxytricha chlorelligeum</i>	ciliated protozoan	Ciliophora	ES
<i>Oxytricha setigera</i>	ciliated protozoan	Ciliophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Oxytricha tricornis</i>	ciliated protozoan	Ciliophora	ES
<i>Pachydiplax longipennis</i>	blue pirate	Arthropoda	ES
<i>Pachyipsylla celtidismamma</i>	hackberry nipple gall	Arthropoda	CK
<i>Paederus littorarius</i>	rove beetle	Arthropoda	CK
<i>Palaemonetes kadiakensis</i>	Mississippi glass shrimp	Arthropoda	ES
<i>Palmacorixa buenoi</i>	water boatman	Arthropoda	ES
<i>Palmacorixa nana</i>	water boatman	Arthropoda	ES
<i>Palmacorixa</i> sp.	water boatman	Arthropoda	ES
<i>Pandorina morum</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Panorpa helena?</i>	common scorpionfly	Arthropoda	CK
<i>Pantala flavescens</i>	yellow skimmer	Arthropoda	TR
<i>Pantala hymenea</i>	globe skimmer	Arthropoda	CK,ES,TR
<i>Papaipema nebris</i>	stalk borer	Arthropoda	CK
<i>Papilio crespontes</i>	giant swallowtail	Arthropoda	CK
<i>Papilio glaucus</i>	tiger swallowtail	Arthropoda	CK
<i>Papilio polyxenes asterius</i>	black swallowtail	Arthropoda	CK
<i>Papilio troilus</i>	spicebush swallowtail	Arthropoda	CK
<i>Parachironomus</i> sp.	midge	Arthropoda	ES
<i>Paracyclops fimbriatus poppei</i>	copepod	Arthropoda	ES
<i>Paracymus subcupreus</i>	narrow water scavenger beetle	Arthropoda	ES
<i>Paradelphomyia</i> sp.	crane fly	Arthropoda	TR
<i>Paragnetina</i> sp.	stonefly	Arthropoda	CK,TR
<i>Paralauterborniella</i> sp.	midge	Arthropoda	ES
<i>Paralobesia viteana</i>	grape berry moth	Arthropoda	CK
<i>Paramecium caudatum</i>	ciliated protozoan	Ciliophora	ES
<i>Parandra brunnea</i>	pole borer	Arthropoda	CK
<i>Paratanytarsus</i> sp.	midge	Arthropoda	ES
<i>Paratendipes</i> sp.	midge	Arthropoda	ES
<i>Paratettix cueullatus</i>	pygmy grasshopper	Arthropoda	TR
<i>Parcoblatta</i> sp.?	wood cockroach	Arthropoda	CK
<i>Pardosa milvina</i>	wolf spider	Arthropoda	CK
<i>Pardosa moesta?</i>	thin-legged wolf spider	Arthropoda	CK
<i>Pardosa saxatilis</i>	wolf spider	Arthropoda	ES
<i>Pectinatella magnifica</i>	slimy bryozoan	Bryozoa	ES
<i>Pedicia</i> sp.	crane fly	Arthropoda	TR
<i>Pelagostrombidium fallax</i>	ciliated protozoan	Ciliophora	ES
<i>Pelidnota punctata</i>	grapevine beetle	Arthropoda	CK
<i>Pelocoris</i> sp.	creeping water bug	Arthropoda	ES
<i>Pelocypris</i> sp.	seed shrimp	Arthropoda	ES
<i>Pelomyxa</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Peltodytes deodecimpunctatus</i>	crawling water beetle	Arthropoda	ES
<i>Peltodytes edentulus</i>	crawling water beetle	Arthropoda	ES
<i>Peltodytes lengi</i>	crawling water beetle	Arthropoda	ES
<i>Peltodytes muticus</i>	crawling water beetle	Arthropoda	ES
<i>Peltodytes sexmaculatus</i>	crawling water beetle	Arthropoda	ES
<i>Peltodytes</i> sp.	crawling water beetle	Arthropoda	ES
<i>Pennisetia marginata</i>	raspberry crown borer	Arthropoda	CK
<i>Pentaneura</i> sp.	midge	Arthropoda	ES
<i>Penthima americana</i>	gyponin leafhopper	Arthropoda	CK
<i>Peocilicapsus lineatus</i>	four-lined leaf bug	Arthropoda	CK
<i>Peranema asperum</i>	colorless euglena	Sarcomastigophora	ES
<i>Peranema inflexum</i>	colorless euglena	Sarcomastigophora	ES
<i>Peranema trichophorum</i>	colorless euglena	Sarcomastigophora	ES
<i>Periphyllus lyropictus</i>	Norway maple aphid	Arthropoda	CK
<i>Periplaneta americana?</i>	American cockroach	Arthropoda	CK
<i>Perithemis tenera</i>	eastern amber-winged skimmer	Arthropoda	CK,ES,TR
<i>Perlesta</i> sp.	stonefly	Arthropoda	TR
<i>Perlinella</i> sp.	stonefly	Arthropoda	TR
<i>Petalomonas mediocanella</i>	colorless euglena	Sarcomastigophora	ES
<i>Petalomonas minuta</i>	colorless euglena	Sarcomastigophora	ES
<i>Petalomonas quadrilineata</i>	colorless euglena	Sarcomastigophora	ES
<i>Phacotus lenticularis</i>	volvocean protozoan	Sarcomastigophora	ES
<i>Phacus acuminatus</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Phacus arnoldi</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Phacus helikoides</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Phacus pleuronectes</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Phacus pseudoonordstedii</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Phacus tortus</i>	euglenoid protozoan	Sarcomastigophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
phalacrid sp.?	shining mold beetle	Arthropoda	CK
<i>Phidippus audax</i>	jumping spider	Arthropoda	CK
<i>Phidippus clarus</i>	jumping spider	Arthropoda	CK
<i>Phidippus whitmani</i>	jumping spider	Arthropoda	CK
<i>Philaenus spumarius</i>	meadow spittlebug	Arthropoda	CK
<i>Philarcus</i> sp.?	caddisfly	Arthropoda	ES
<i>Philodina</i> sp.	rotifer	Rotifera	ES
<i>Philodromus keyserlingi</i>	crab spider	Arthropoda	CK
<i>Philodromus vulgaris</i>	crab spider	Arthropoda	CK
phlaeothripid sp.	mullin thrips	Arthropoda	CK
<i>Pholcus phalangioides</i>	cellar spider	Arthropoda	CK
<i>Pholisora catullus</i>	common sootywing skipper	Arthropoda	CK
phorid sp.	humpbacked fly	Arthropoda	CK,ES
<i>Photinus pyralis</i>	firefly or lightningbug	Arthropoda	CK
<i>Photuris pennsylvanica</i>	firefly or lightningbug	Arthropoda	CK
<i>Phryganea cinerea</i>	caddisfly	Arthropoda	ES
<i>Phyciodes tharos</i>	pearl crescent	Arthropoda	CK
<i>Phyllonorycter blancardella</i>	spotted tentiform leafminer	Arthropoda	CK
<i>Phyllophaga</i> sp.	May or June beetle or junebug	Arthropoda	CK
<i>Phylloxera caryaecaulis?</i>	shag-bark hickory gall	Arthropoda	CK
<i>Phymata pennsylvanica</i>	ambush bug	Arthropoda	CK
<i>Physa</i> sp.	physa	Mollusca	ES
<i>Physella gyrina</i>	tadpole physa	Mollusca	ES
<i>Physocypria pustulosa</i>	seed shrimp	Arthropoda	ES
<i>Physomonas vestita</i>	chrysomonad protozoan	Sarcomastigophora	ES
<i>Pieris rapae</i>	cabbage white	Arthropoda	CK
<i>Pirata minutus?</i>	wolf spider	Arthropoda	CK
<i>Pisaurina mira</i>	nursery web spider	Arthropoda	CK
<i>Pisidium compressum</i>	ridge-beak peaclam	Mollusca	ES
<i>Pityohyphantes costatus</i>	hammock spider	Arthropoda	CK
<i>Placobdella</i> sp.	leech	Annelida	ES
<i>Placus ovum</i>	ciliated protozoan	Ciliophora	ES
<i>Planonophros parvula</i> [= <i>Sennia</i> p.]	cryptomonad protozoan	Sarcomastigophora	ES
<i>Plathemis lydia</i>	common white-tailed skimmer	Arthropoda	CK,TR
<i>Platy nota flavedana</i>	variegated leaf-roller	Arthropoda	CK
<i>Platycryptus undatus</i>	jumping spider	Arthropoda	CK
<i>Platylabus patulus</i>	rotifer	Rotifera	ES
<i>Platynota idaëusalis</i>	tufted apple bud-moth	Arthropoda	CK
<i>Platynus placidus</i>	ground beetle	Arthropoda	CK
<i>Platysamia cecropia</i>	cecropia moth	Arthropoda	CK
<i>Pleuromonas jaculans</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Pleuronema</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Pleuroxus</i> cf. <i>denticulatus</i>	water flea	Arthropoda	CK,ES
<i>Pleuroxus procurvus</i>	water flea	Arthropoda	CK,ES
<i>Plodia interpunctata</i>	Indian meal moth	Arthropoda	CK
<i>Ploesoma hudsoni</i>	rotifer	Rotifera	ES
<i>Plumatella casmiana</i>	bryozoan	Bryozoa	ES
<i>Plumatella repens</i>	spreading bryozoan	Bryozoa	ES
<i>Poanes zabulon</i>	southern golden skipper	Arthropoda	CK
<i>Podabrus flavicollis?</i>	soldier beetle	Arthropoda	CK
<i>Podabrus modestus?</i>	soldier beetle	Arthropoda	CK
<i>Podosesia syringae syringae</i>	lilac borer	Arthropoda	CK
polistin sp.	paper wasp	Arthropoda	CK
<i>Polites coras</i> [= <i>Polites peckius</i>]	yellowpatch or Peck's skipper	Arthropoda	CK
<i>Pollenia</i> sp.?	cluster blow fly	Arthropoda	CK
<i>Polyarthra dolichoptera</i>	rotifer	Rotifera	ES
<i>Polyarthra remata</i>	rotifer	Rotifera	ES
<i>Polycentropus interruptus</i>	caddisfly	Arthropoda	ES
<i>Polycentropus aureolus</i>	caddisfly	Arthropoda	CK
<i>Polycentropus cinereus</i>	caddisfly	Arthropoda	CK
<i>Polycentropus crassicornis</i>	caddisfly	Arthropoda	ES
<i>Polygonia interrogationis</i>	question-mark	Arthropoda	CK
<i>Polypedilum halterale</i>	midge	Arthropoda	ES
<i>Polypedilum</i> sp.	midge	Arthropoda	ES
<i>Pompholyxophrys</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Ponera</i> sp.	ant	Arthropoda	CK
<i>Popilia japonica</i>	Japanese beetle	Arthropoda	CK
<i>Potamilus alatus</i>	pink heelsplitter	Mollusca	ES,LE

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Potamyia</i> sp.	caddisfly	Arthropoda	CK,TR
<i>Poteriodendron petiolatum</i>	choanoflagellate	Sarcomastigophora	ES
<i>Potthastia longimanus</i>	midge	Arthropoda	ES
<i>Prenolepis</i> sp.	ant	Arthropoda	CK
<i>Pristina longiseta longiseta</i>	naidid worm	Annelida	ES
<i>Pristina sima?</i>	naidid worm	Annelida	ES
<i>Pristinaella osborni</i>	naidid worm	Annelida	ES
<i>Pristinella acuminata?</i>	naidid worm	Annelida	ES
<i>Pristinella jenkiniae</i>	naidid worm	Annelida	ES
<i>Probezzia</i> sp.	biting midge	Arthropoda	ES
<i>Procladius sublettei</i>	midge	Arthropoda	ES
proctotrupid sp.	parasitic wasp	Arthropoda	CK
<i>Prorodon discolor</i>	ciliated protozoan	Ciliophora	ES
<i>Protoparce sexta?</i>	sphinx moth	Arthropoda	CK
<i>Protoplasa</i> sp.?	primitive crane fly	Arthropoda	CK
<i>Psephenus herricki</i>	water-penny beetle	Arthropoda	CK,TR
<i>Pseudochydorus globosus</i>	water flea	Arthropoda	CK,ES
<i>Pseudodiffugia</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Pseudolucanus</i> sp.	pinching beetle	Arthropoda	CK
<i>Pseudosuccinea columella</i>	mimic lymnaea	Mollusca	ES
<i>Pteromonas</i> sp.	volvocean protozoan	Sarcomastigophora	ES
<i>Pterophylla camellifolia</i>	northern katydid	Arthropoda	CK
<i>Ptychobranthus fasciolaris</i>	kidneyshell	Mollusca	LE
ptychopterid sp.	phantom crane fly	Arthropoda	CK
<i>Pycnopsyche</i> sp.	caddisfly	Arthropoda	TR
<i>Pyganodongrandis grandis</i>	giant floater	Mollusca	ES,LE
<i>Quadraspidiotus perniciosus</i>	San Jose scale	Arthropoda	CK
<i>Quadrula pustulosa pistulosa</i>	pimpleback	Mollusca	LE
<i>Quedius</i> sp?	large rove beetle	Arthropoda	CK
<i>Quistadrilus multisetosus</i>	tubificid worm	Annelida	ES
<i>Ranatra fusca</i>	water scorpion	Arthropoda	ES
<i>Ranatra nigra</i>	water scorpion	Arthropoda	ES
<i>Ranatra</i> sp.	sticklike water scorpion	Arthropoda	ES,TR
<i>Raphidiocystis</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Raphidiophrys pallida</i>	heliozoan	Sarcomastigophora	ES
<i>Raphidiophrys</i> sp.	heliozoan	Sarcomastigophora	ES
<i>Reticulitermes flavipes</i>	eastern subterranean termite	Arthropoda	CK
<i>Rhabdomonas</i> sp.	euglenoid protozoan	Sarcomastigophora	ES
<i>Rhagio</i> sp.	snipe fly	Arthropoda	CK
<i>Rhagoletis pomonella</i>	apple maggot	Arthropoda	CK
<i>Rhagovelia</i> sp.	small water strider	Arthropoda	CK,TR
<i>Rhantus</i> sp.	diving beetle	Arthropoda	CK
<i>Rheotanytatsus exiguus</i>	midge	Arthropoda	ES
<i>Rheumatobates</i> sp.	water strider	Arthropoda	TR
<i>Rhodomonas lacustris</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Rhodomonas lens</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Rhodomonas minuta</i>	cryptomonad protozoan	Sarcomastigophora	ES
<i>Rhopalomyia solidaginis</i>	leafy goldenrod gall	Arthropoda	CK
<i>Rhyacodrilus coccineus</i>	tubificid worm	Annelida	ES
<i>Rhyacophila ledra</i>	caddisfly	Arthropoda	CK
<i>Rhyacophila vibox</i>	caddisfly	Arthropoda	CK
<i>Rhynchomonas nasuta</i>	kinetoplastid protozoan	Sarcomastigophora	ES
<i>Rimostrombidium humile</i>	ciliated protozoan	Ciliophora	ES
<i>Rimostrombidium lacustris</i>	ciliated protozoan	Ciliophora	ES
<i>Rotaria neptunia</i>	rotifer	Rotifera	ES
salpingid sp.	narrow-waisted bark beetle	Arthropoda	ES
<i>Salpingoeca elegans</i>	choanoflagellate	Sarcomastigophora	ES
<i>Salticus scenicus</i>	jumping spider	Arthropoda	CK
<i>Saprinus</i> sp.	hister beetle	Arthropoda	CK
<i>Scapholeberis kingi</i>	water flea	Arthropoda	ES
<i>Scapholeberis mucronata</i>	water flea	Arthropoda	ES
<i>Scarites subterraneus?</i>	ground beetle	Arthropoda	CK
<i>Schizocosa avida</i>	wolf spider	Arthropoda	CK
<i>Schizocosa ocreata</i>	wolf spider	Arthropoda	CK
sciarid sp.	dark-winged fungus gnat	Arthropoda	CK
sciomyzid sp.	marsh fly	Arthropoda	ES
<i>Scolytus rugulosus</i>	shot-hole borer	Arthropoda	CK
scutellerid sp.	shield-backed bug	Arthropoda	ES

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<i>Scytomonas</i> sp.	euglenoid protozoan	Sarcomastigophora	ES
<i>Sialis infumata</i>	alderfly	Arthropoda	TR
<i>Sida crystallina</i>	water flea	Arthropoda	ES
<i>Sigara alternata</i>	water boatman	Arthropoda	ES
<i>Sigara modesta</i>	water boatman	Arthropoda	ES
<i>Sigara</i> sp.	water boatman	Arthropoda	CK,ES,TR
<i>Silpha americana</i>	carrion beetle	Arthropoda	CK
<i>Simocephalus serrulatus</i>	water flea	Arthropoda	CK,ES
<i>Simulium</i> sp.	black fly	Arthropoda	CK,ES
<i>Sinantherina</i> sp.	rotifer	Rotifera	ES
<i>Sinea diadema</i>	assassin bug	Arthropoda	CK
<i>Sitticus</i> sp.	jumping spider	Arthropoda	CK
<i>Skistodiptomus oregonesis</i>	copepod	Arthropoda	CK,ES,LE
<i>Skistodiptomus pallidus</i>	copepod	Arthropoda	CK,ES
<i>Speyeria</i> sp.	fritillary or silverspot	Arthropoda	CK
<i>Sphaerophrya</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Sphecius speciosus</i>	cicada-killer wasp	Arthropoda	CK
<i>Sphenophorus</i> sp.	billbug weevil	Arthropoda	CK
sphingid sp.	clear-wing sphinx moth	Arthropoda	CK
<i>Spilonota ocellana</i>	eye-spotted bud-moth	Arthropoda	CK
<i>Spirostromum</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Spoggosia</i> sp.?	tachina fly	Arthropoda	CK
<i>Spumella</i> sp.	chrysomonad protozoan	Sarcomastigophora	ES
<i>Staphylinus</i> sp.	rove beetle	Arthropoda	CK
<i>Steatoda borealis</i>	comb-footed spider	Arthropoda	CK
<i>Steatoda triangulosa</i>	comb-footed spider	Arthropoda	CK
<i>Stelidota octomaculata</i>	tiny sap beetle	Arthropoda	CK
<i>Stenacron</i> sp.	flatheaded mayfly or yellow may	Arthropoda	CK,TR
<i>Stenelmis crenata</i>	riffle beetle	Arthropoda	ES
<i>Stenelmis</i> sp.	riffle beetle	Arthropoda	CK,TR
<i>Stenolophus</i> sp.?	ground beetle	Arthropoda	CK
<i>Stenonema femoratum</i>	flatheaded mayfly or pale red fox	Arthropoda	CK
<i>Stenostomum</i> sp.	turbellarian flatworm	Platyhelminthes	ES
<i>Stentor</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Stenus</i> sp.	rove beetle	Arthropoda	CK,TR
<i>Stethorus punctum</i>	black lady beetle	Arthropoda	CK
<i>Stichotricha secunda</i>	ciliated protozoan	Ciliophora	ES
<i>Stictochironomus</i> sp.	midge	Arthropoda	ES
<i>Stokesiella</i> sp.	chrysomonad protozoan	Sarcomastigophora	ES
<i>Stratiomys</i> sp.	soldier fly	Arthropoda	CK
<i>Striamoeba quadrilineata</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Striamoeba</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Strobilidium gyrans</i>	ciliated protozoan	Ciliophora	ES
<i>Strombomonas gibberosa</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Stylodrillus heringianus</i>	aquatic earthworm	Annelida	ES
<i>Stylonychia mytilus</i>	ciliated protozoan	Ciliophora	ES
<i>Stylonychia notophora</i>	ciliated protozoan	Ciliophora	ES
<i>Sychaeta kitina</i>	rotifer	Rotifera	ES
<i>Sychaeta stylata</i>	rotifer	Rotifera	ES
<i>Sympetrum rubicundulum</i>	red skimmer	Arthropoda	TR
<i>Sympetrum semicinctum</i>	red skimmer	Arthropoda	TR
<i>Sympothastia</i> sp.	midge	Arthropoda	ES
<i>Synanthedon exitiosa</i>	peach tree borer	Arthropoda	CK
<i>Synanthedon pictipes</i>	lesser peach tree borer	Arthropoda	CK
<i>Synanthedon scitula</i>	dogwood borer	Arthropoda	CK
<i>Synchlora aerata</i>	green geometrid moth	Arthropoda	CK
<i>Syrphus</i> sp.	hover fly	Arthropoda	CK
<i>Tabanus</i> sp.	horse fly	Arthropoda	CK,TR
<i>Tachysoma pellionella</i>	ciliated protozoan	Ciliophora	ES
<i>Tachysoma</i> sp.	ciliated protozoan	Ciliophora	ES
taeniopterygid sp.	broadback stonefly	Arthropoda	CK
<i>Tanypus</i> sp.	midge	Arthropoda	ES,TR
<i>Tanytarsus glabrescens</i>	midge	Arthropoda	ES
<i>Telephanus velox?</i>	flat bark beetle	Arthropoda	CK
<i>Telmatodrilus</i> sp.?	tubificid worm	Annelida	ES
<i>Tenodera aridifolia sinensis</i>	Chinese mantid or praying mantis	Arthropoda	CK,TR
tenthredinid sp.	sawfly	Arthropoda	CK
<i>Tetragnatha elongata</i>	stilt-legged spider	Arthropoda	CK

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Tetragnatha laboriosa</i>	long-jawed orb weaver	Arthropoda	CK
<i>Tetramorium caespitum</i>	pavement ant	Arthropoda	CK
<i>Tetraopes</i> sp.	milkweed beetle	Arthropoda	CK
<i>Tetrhymena pyriformis</i>	ciliated protozoan	Ciliophora	ES
tetrigid sp.	pygmy grasshopper	Arthropoda	CK
<i>Thecamoeba striata</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Thecamoeba</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
therevid sp.	stiletto fly	Arthropoda	CK
<i>Theridion frondeum</i>	comb-footed spider	Arthropoda	CK
<i>Thienemannimyia</i> sp.	midge	Arthropoda	ES
thripid sp.	thrips	Arthropoda	ES
<i>Thyanta pallido-virens</i>	green stink bug	Arthropoda	CK
thylactin sp.	snout beetle	Arthropoda	CK
thyreocorid sp.	negro bug	Arthropoda	CK
<i>Tibicen canicularis</i>	dog day cicada	Arthropoda	CK
<i>Tibicen linnei</i>	dog day cicada	Arthropoda	CK
tineid sp.	clothes moth	Arthropoda	CK
tingid sp.	lace bug	Arthropoda	ES
<i>Tintinnidium fluviatile</i>	ciliated protozoan	Ciliophora	ES
tiphiid sp.	tiphiid wasp	Arthropoda	CK,ES
<i>Tipula</i> sp.	crane fly	Arthropoda	CK,ES,TR
<i>Tmarus angulatus</i>	crab spider	Arthropoda	CK
<i>Tobrilus</i> sp.	roundworm	Nematoda	ES
<i>Tokophrya</i> sp.	ciliated protozoan	Ciliophora	ES
torymid sp.	parasitic wasp	Arthropoda	CK
<i>Toxolasma parvus</i>	lilliput	Mollusca	LE
<i>Trachelas tranquillus</i>	sac spider	Arthropoda	CK
<i>Trachelius ovum</i>	ciliated protozoan	Ciliophora	ES
<i>Trachelomonas armata</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas hispida</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas horrida</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas spiralis</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas superba</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas varians</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas volvocina</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelomonas volvocina</i> var. <i>minor</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Trachelophyllum pusillum</i>	ciliated protozoan	Ciliophora	ES
<i>Trachelophyllum sigmoides</i>	ciliated protozoan	Ciliophora	ES
<i>Traea lacerata</i>	raggedy skimmer	Arthropoda	TR
<i>Traea onusta</i>	red saddlebags dragonfly	Arthropoda	CK
<i>Tremex</i> sp.?	horntail sawfly	Arthropoda	CK
<i>Trepobates</i> sp.	water strider	Arthropoda	CK,ES,TR
<i>Triaenodes frontalis</i>	caddisfly	Arthropoda	ES
<i>Tribelos</i> sp.	midge	Arthropoda	ES
<i>Trichamoeba</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Trichocera</i> sp.?	winter crane fly	Arthropoda	CK
<i>Trichocerca multicroinis</i>	rotifer	Rotifera	ES
<i>Trichocorixa calva</i>	water boatman	Arthropoda	ES
<i>Trichocorixa kanza</i>	water boatman	Arthropoda	ES
<i>Trichocorixa</i> sp.	water boatman	Arthropoda	CK,ES
<i>Trichopelma</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Trichotria tetractis</i>	rotifer	Rotifera	ES
tridactylid sp.	pygmy mole cricket	Arthropoda	ES
<i>Trochilia palustris</i>	ciliated protozoan	Ciliophora	ES
<i>Trochilia pusillum</i>	ciliated protozoan	Ciliophora	ES
<i>Trochilia sigmoides</i>	ciliated protozoan	Ciliophora	ES
<i>Tropisternus lateralis nimbatus</i>	narrow water scavenger beetle	Arthropoda	ES,TR
<i>Tropisternus natator</i>	narrow water scavenger beetle	Arthropoda	ES
<i>Topisternus</i> sp.	narrow water scavenger beetle	Arthropoda	CK,ES,TR
<i>Tropocyclops prasinus mexicanus</i>	copepod	Arthropoda	CK,ES,LE
<i>Truncilla donaciformis</i>	fawnsfoot	Mollusca	LE
<i>Truncilla truncilla</i>	deertoe	Mollusca	LE
<i>Tutelina elegans</i>	jumping spider	Arthropoda	CK
<i>Typhlocyba pomaria</i>	white apple leafhopper	Arthropoda	CK
<i>Unionicola</i> sp.	clam mite	Arthropoda	ES
<i>Urceolus ovatus</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Urceolus sabulosus</i>	euglenoid protozoan	Sarcomastigophora	ES
<i>Urocentrum turbo</i>	ciliated protozoan	Ciliophora	ES

SCIENTIFIC NAME	COMMON NAME	PHYLUM	LOCATION
<i>Uroleptus</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Uromema</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Urostyla grandis</i>	ciliated protozoan	Ciliophora	ES
<i>Urostyla</i> sp.	ciliated protozoan	Ciliophora	ES
<i>Urotricha armata</i>	ciliated protozoan	Ciliophora	ES
<i>Urotricha farcta</i>	ciliated protozoan	Ciliophora	ES
<i>Urotricha furcata</i>	ciliated protozoan	Ciliophora	ES
<i>Utterbackia imbecillis</i>	paper pondshell	Mollusca	ES, LE
<i>Vaginicola</i> sp.	stalked ciliated protozoan	Ciliophora	ES
<i>Vahlkampfia</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Vampyrella lateritia</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Vanessa atalanta rubria</i>	red admiral	Arthropoda	CK
<i>Vanessa cardui</i>	painted lady	Arthropoda	CK
<i>Vanessa virginiensis</i>	American painted lady	Arthropoda	CK
<i>Vannella miroides</i>	amoeboid protozoan	Sarcomastigophora	ES
<i>Vejdovskyella comata</i>	naidid worm	Annelida	ES
<i>Vejdovskyella intermedia</i>	naidid worm	Annelida	ES
<i>Verrucosa arenata</i>	orb weaver	Arthropoda	CK
<i>Vespa crabro germana</i>	giant hornet	Arthropoda	CK
<i>Vespula germanica</i>	picnic wasp	Arthropoda	CK
<i>Vespula maculata</i>	bald-faced hornet	Arthropoda	CK
<i>Vespula maculifrons?</i>	yellowjacket wasp	Arthropoda	CK
<i>Vexillifera</i> sp.	amoeboid protozoan	Sarcomastigophora	ES
<i>Vorticella campanula</i>	stalked ciliated protozoan	Ciliophora	ES
<i>Vorticella microstoma</i>	stalked ciliated protozoan	Ciliophora	ES
<i>Vorticella picta</i>	stalked ciliated protozoan	Ciliophora	ES
<i>Vorticella striata</i>	stalked ciliated protozoan	Ciliophora	ES
<i>Xenochalepus dorsalis</i>	locust leafminer	Arthropoda	CK
<i>Xylocopa virginica?</i>	large carpenter bee	Arthropoda	CK
<i>Xysticus elegans</i>	crab spider	Arthropoda	CK
<i>Xysticus ferox</i>	crab spider	Arthropoda	CK
<i>Xysticus funestus</i>	crab spider	Arthropoda	CK
<i>yponomeutoid</i> sp.	ermine moth	Arthropoda	ES
<i>Zelus exsanguis</i>	assassin bug	Arthropoda	CK
<i>Zoothamnium</i> sp.	stalked ciliated protozoan	Ciliophora	ES

LOCATION CODES:

CK – Old Woman Creek watershed upstream of the estuary

ES – Old Woman Creek Estuary (including watershed within boundaries of NERR)

LE – Lake Erie, principally nearshore waters of Erie County and western Lorain County, Ohio

TR – Tributary watersheds to Lake Erie other than Old Woman Creek, principally of eastern Erie County and western Lorain County, Ohio

Appendix D

Alphabetized List of Invertebrate Fauna of Old Woman Creek Estuary, Watershed, and Adjacent Waters of Lake Erie by Common Name

**ALPHABETIZED LIST OF INVERTEBRATE FAUNA OF OLD WOMAN CREEK
ESTUARY, WATERSHED, AND ADJACENT WATERS OF LAKE ERIE
by Common Name**

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
adelgid, Cooley spruce gall	<i>Adelges cooleyi</i>	Arthropoda	CK
adelgid, eastern spruce gall	<i>Adelges abeitis</i>	Arthropoda	CK
admiral, red	<i>Vanessa atalanta rubria</i>	Arthropoda	CK
alderfly	<i>Sialis infumata</i>	Arthropoda	TR
ancylid, oblong	<i>Ferrissia parallela</i>	Mollusca	ES
ant	<i>Leptothorax</i> sp.	Arthropoda	CK
ant	<i>Myrmica</i> sp.	Arthropoda	CK
ant	<i>Ponera</i> sp.	Arthropoda	CK
ant	<i>Prenolepis</i> sp.	Arthropoda	CK
ant, carpenter	<i>Camponotus</i> sp.	Arthropoda	CK
ant, foundation	<i>Acanthomyops</i> sp.	Arthropoda	CK
ant, mound builder	<i>Formica</i> sp.	Arthropoda	CK
ant, pavement	<i>Tetramorium caespitum</i>	Arthropoda	CK
ant, Pharaoh	<i>Monomorium pharaonis?</i>	Arthropoda	CK
ant, small black	<i>Crematogaster</i> sp.	Arthropoda	CK
ant, winged	<i>Lasius</i> sp.	Arthropoda	CK
aphid, black cherry	<i>Myzus cerasi</i>	Arthropoda	CK
aphid, green apple	<i>Aphis pomi</i>	Arthropoda	CK
aphid, green peach	<i>Myzus persicae</i>	Arthropoda	CK
aphid, Norway maple	<i>Periphyllus tyropictus</i>	Arthropoda	CK
aphid, rosy apple	<i>Dysaphis plantaginea</i>	Arthropoda	CK
aphid, wooly	<i>Eriosoma lanigerum</i>	Arthropoda	CK
azure, spring	<i>Celastrina ladon ladon</i>	Arthropoda	CK
backswimmer	<i>Notonecta inornata</i>	Arthropoda	ES
backswimmer	<i>Notonecta raleighi lunata</i>	Arthropoda	ES
backswimmer	<i>Notonecta undulata</i>	Arthropoda	ES
bee, andrenid	andrenid sp.	Arthropoda	CK
bee, colletid	colletid sp.	Arthropoda	CK
bee, cuckoo	nomadin sp.?	Arthropoda	CK
bee, digger	anthophorid sp.	Arthropoda	CK
bee, halictid	<i>Agapostemon</i> sp.	Arthropoda	CK
bee, halictid	halictid sp.	Arthropoda	CK
bee, honey	<i>Apis mellifera</i>	Arthropoda	CK
bee, large carpenter	<i>Xylocopa virginica?</i>	Arthropoda	CK
bee, leafcutting	megachilid sp.	Arthropoda	CK
beetle, ant-like flower	<i>Anthicus</i> sp.?	Arthropoda	CK
beetle, Asiatic lady	<i>Harmonia axyridis</i>	Arthropoda	CK
beetle, black lady	<i>Stethorus punctum</i>	Arthropoda	CK
beetle, blister	<i>Epicauta</i> sp.	Arthropoda	CK
beetle, blister	<i>Lytta aenea?</i>	Arthropoda	CK
beetle, bombadier ground	<i>Brachinus</i> sp.?	Arthropoda	CK
beetle, bumble flower	<i>Euphoria inda?</i>	Arthropoda	CK
beetle, burrowing water	<i>Hydrocanthus iricolor</i>	Arthropoda	ES
beetle, burrowing water	noterid sp.	Arthropoda	ES
beetle, carpet	<i>Anthrenus scrophulariae?</i>	Arthropoda	CK
beetle, carpophilin sap	<i>Carpophilus</i> sp.	Arthropoda	CK
beetle, carrion	<i>Silpha americana</i>	Arthropoda	CK
beetle, checkered	clerid sp.?	Arthropoda	CK
beetle, click	<i>Colaulon</i> sp.	Arthropoda	CK
beetle, click	<i>Melanotus</i> sp.	Arthropoda	CK
beetle, Colorado potato	<i>Leptinotarsa decemlineata</i>	Arthropoda	CK
beetle, covergent ladybird	<i>Hippodamia convergens?</i>	Arthropoda	CK
beetle, crawling water	<i>Haliphus borealis</i>	Arthropoda	ES
beetle, crawling water	<i>Haliphus immaculicollis</i>	Arthropoda	ES
beetle, crawling water	<i>Haliphus triopsis</i>	Arthropoda	ES, TR
beetle, crawling water	<i>Peltodytes duodecimpunctatus</i>	Arthropoda	ES
beetle, crawling water	<i>Peltodytes edentulus</i>	Arthropoda	ES
beetle, crawling water	<i>Peltodytes lengi</i>	Arthropoda	ES
beetle, crawling water	<i>Peltodytes muticus</i>	Arthropoda	ES
beetle, crawling water	<i>Peltodytes sexmaculatus</i>	Arthropoda	ES
beetle, crawling water	<i>Peltodytes</i> sp.	Arthropoda	ES
beetle, cryptarchin sap	<i>Gliischrochilus fasciatus</i>	Arthropoda	CK
beetle, darkling	<i>Alobates pensylvanica?</i>	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
beetle, diving	<i>Agabus</i> sp.	Arthropoda	CK,ES
beetle, diving	<i>Bidessus</i> sp.	Arthropoda	ES
beetle, diving	<i>Copelatus glypticus</i>	Arthropoda	ES
beetle, diving	<i>Copelatus</i> sp.	Arthropoda	ES
beetle, diving	<i>Coptotomus lenticus</i>	Arthropoda	ES
beetle, diving	<i>Dytiscus fasciventris</i>	Arthropoda	ES
beetle, diving	<i>Heterosternuta wickhami</i>	Arthropoda	ES
beetle, diving	<i>Hydroporus</i> sp.	Arthropoda	CK,ES
beetle, diving	<i>Hydrovatus</i> sp.	Arthropoda	CK,ES
beetle, diving	<i>Hygrotus dissimilis</i>	Arthropoda	ES
beetle, diving	<i>Hygrotus impressopunctatus</i>	Arthropoda	ES
beetle, diving	<i>Hygrotus sayi</i>	Arthropoda	ES
beetle, diving	<i>Ilybius</i> sp.	Arthropoda	CK
beetle, diving	<i>Laccophilus m. maculosus</i>	Arthropoda	ES
beetle, diving	<i>Laccophilus</i> sp.	Arthropoda	CK
beetle, diving	<i>Neoporus</i> sp.	Arthropoda	ES
beetle, diving	<i>Rhantus</i> sp.	Arthropoda	CK
beetle, dogbane	<i>Chrysochus auratus</i>	Arthropoda	CK
beetle, dung	<i>Aphodius</i> sp.	Arthropoda	CK
beetle, flat bark	<i>Brontes</i> sp.?	Arthropoda	CK
beetle, flat bark	<i>Telephanus velox?</i>	Arthropoda	CK
beetle, grape flea	<i>Altica chalybea</i>	Arthropoda	CK
beetle, grapevine	<i>Hoplia</i> sp.	Arthropoda	CK
beetle, grapevine	<i>Pelidnota punctata</i>	Arthropoda	CK
beetle, ground	<i>Calathus</i> sp.	Arthropoda	CK
beetle, ground	<i>Harpalus compar</i>	Arthropoda	CK
beetle, ground	<i>Harpalus herbivagus</i>	Arthropoda	CK
beetle, ground	<i>Platynus placidus</i>	Arthropoda	CK
beetle, ground	<i>Scarites subterraneus?</i>	Arthropoda	CK
beetle, ground	<i>Stenolophus</i> sp.?	Arthropoda	CK
beetle, handsome fungus	endomychid sp.	Arthropoda	CK
beetle, hister	<i>Hister foedatus?</i>	Arthropoda	CK
beetle, hister	<i>Saprinus</i> sp.	Arthropoda	CK
beetle, horned fungus	<i>Bolitotherus cornutus</i>	Arthropoda	CK
beetle, Japanese	<i>Popilia japonica</i>	Arthropoda	CK
beetle, June or junebug	<i>Phyllophaga</i> sp.	Arthropoda	CK
beetle, ladybird	<i>Coleomegilla</i> sp.	Arthropoda	CK
beetle, larder	<i>Dermestes lardarius?</i>	Arthropoda	CK
beetle, large rove	<i>Quedius</i> sp.?	Arthropoda	CK
beetle, leaf	<i>Disonycha</i> sp.	Arthropoda	CK
beetle, leaf	<i>Donacia</i> sp.	Arthropoda	ES
beetle, locust borer	cerambycid sp.	Arthropoda	CK
beetle, locust leaf	<i>Odontota dorsalis?</i>	Arthropoda	CK
beetle, long-horned	<i>Cyrtophorus verrucosus</i>	Arthropoda	CK,ES
beetle, long-toed water	<i>Helichus</i> sp.	Arthropoda	CK,ES
beetle, longhorn twig pruner	<i>Elaphidionoides</i> sp. [=Elaphidion]	Arthropoda	CK
beetle, marsh	<i>Cyphon</i> sp.	Arthropoda	ES
beetle, marsh or bog	<i>Elaphrus ruscarius</i>	Arthropoda	CK
beetle, May	melolonthin sp.	Arthropoda	CK
beetle, Mexican bean	<i>Epilachna varivestis</i>	Arthropoda	CK
beetle, milkweed	<i>Tetracpes</i> sp.	Arthropoda	CK
beetle, narrow water scavenger	<i>Paracymus subcupreus</i>	Arthropoda	ES
beetle, narrow water scavenger	<i>Tropisternus lateralis nimbatus</i>	Arthropoda	ES,TR
beetle, narrow water scavenger	<i>Tropisternus natator</i>	Arthropoda	ES
beetle, narrow water scavenger	<i>Tropisternus</i> sp.	Arthropoda	CK,ES,TR
beetle, narrow-waisted bark	salpingid sp.	Arthropoda	ES
beetle, pinching	<i>Pseudolucanus</i> sp.	Arthropoda	CK
beetle, pleasing fungus	erolytid sp.?	Arthropoda	CK
beetle, powder-post	lyctin sp.?	Arthropoda	CK
beetle, riffle	<i>Ancyronyx</i> sp.	Arthropoda	TR
beetle, riffle	<i>Dubiraphia bivittata</i>	Arthropoda	ES
beetle, riffle	<i>Dubiraphia</i> sp.	Arthropoda	ES,TR
beetle, riffle	<i>Microcylloepus</i> sp.	Arthropoda	ES
beetle, riffle	<i>Stenelmis crenata</i>	Arthropoda	ES
beetle, riffle	<i>Stenelmis</i> sp.	Arthropoda	CK,TR
beetle, rove	<i>Bledius</i> sp.	Arthropoda	TR
beetle, rove	<i>Creophilus maxillosus</i>	Arthropoda	CK
beetle, rove	<i>Homaetarsus</i> sp.?	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
beetle, rove	<i>Paederus littorarius</i>	Arthropoda	CK
beetle, rove	<i>Staphylinus</i> sp.	Arthropoda	CK
beetle, rove	<i>Stenus</i> sp.	Arthropoda	CK,TR
beetle, sap	nitidulid sp.	Arthropoda	CK
beetle, shining mold	phalacrid sp.?	Arthropoda	CK
beetle, small carrion	leptodirin sp.	Arthropoda	CK
beetle, snout	thylactin sp.	Arthropoda	CK
beetle, soft-winged flower	melyrid sp.	Arthropoda	CK
beetle, soldier	<i>Cantharis bilineatus</i>	Arthropoda	CK
beetle, soldier	<i>Chauliognathus marginata</i>	Arthropoda	CK
beetle, soldier	<i>Chauliognathus pennsylvanicus?</i>	Arthropoda	CK
beetle, soldier	<i>Podabrus flavicollis?</i>	Arthropoda	CK
beetle, soldier	<i>Podabrus modestus?</i>	Arthropoda	CK
beetle, spotted cucumber	<i>Diabrotica undecimpunctata</i>	Arthropoda	CK
beetle, striped cucumber	<i>Acalymma vittata?</i>	Arthropoda	CK
beetle, striped diving	<i>Acilius sylvanus</i>	Arthropoda	ES
beetle, striped diving	<i>Acilius</i> sp.	Arthropoda	CK
beetle, tiger	<i>Cicindela</i> sp.	Arthropoda	CK
beetle, tiny sap	<i>Stelidota octomaculata</i>	Arthropoda	CK
beetle, tooth-necked fungus	<i>Derodontus</i> sp.	Arthropoda	CK
beetle, variegated mud-loving	<i>Heterocerus</i> sp.	Arthropoda	ES,TR
beetle, water scavenger	<i>Anacaena limbata</i>	Arthropoda	ES
beetle, water scavenger	<i>Berosus fraternus</i>	Arthropoda	ES
beetle, water scavenger	<i>Berosus infuscatus</i>	Arthropoda	ES
beetle, water scavenger	<i>Berosus peregrinus</i>	Arthropoda	ES
beetle, water scavenger	<i>Berosus striatus</i>	Arthropoda	ES
beetle, water scavenger	<i>Berosus</i> sp.	Arthropoda	CK
beetle, water scavenger	<i>Cymbiodyta</i> sp.	Arthropoda	ES
beetle, water scavenger	<i>Enochrus hamiltoni</i>	Arthropoda	ES
beetle, water scavenger	<i>Enochrus ochraceus</i>	Arthropoda	CK,ES
beetle, water scavenger	<i>Enochrus perplexus</i>	Arthropoda	ES
beetle, water scavenger	<i>Enochrus pygmaeus nebulosus</i>	Arthropoda	ES
beetle, water scavenger	<i>Enochrus sayi</i>	Arthropoda	ES
beetle, water scavenger	<i>Helophorus lineatus</i>	Arthropoda	ES
beetle, water scavenger	<i>Helophorus orientalis</i>	Arthropoda	ES
beetle, water scavenger	<i>Helophorus marginicollis</i>	Arthropoda	ES
beetle, water scavenger	<i>Helophorus</i> sp.	Arthropoda	CK,ES
beetle, water scavenger	<i>Hydrobius fuscipes</i>	Arthropoda	ES
beetle, water scavenger	<i>Hydrochara leechi</i>	Arthropoda	ES
beetle, water scavenger	<i>Hydrochara obtusata</i>	Arthropoda	ES,TR
beetle, water scavenger	<i>Hydrochara</i> sp.	Arthropoda	ES
beetle, water scavenger	<i>Hydrophilus</i> sp.	Arthropoda	TR
beetle, water scavenger	<i>Laccobius</i> sp.	Arthropoda	ES
beetle, water-penny	<i>Psephenus herricki</i>	Arthropoda	CK,TR
beetle, whirligig	<i>Dineutus assimilis</i>	Arthropoda	ES
beetle, whirligig	<i>Dineutus</i> sp.	Arthropoda	CK,ES
blue pirate	<i>Pachydiplax longipennis</i>	Arthropoda	ES
blue, eastern tailed	<i>Everes comyntas</i>	Arthropoda	CK
bluet	<i>Enallagma antennatum</i>	Arthropoda	CK,ES
bluet	<i>Enallagma exulans</i>	Arthropoda	CK
bluet	<i>Enallagma signatum</i>	Arthropoda	CK
bluet	<i>Enallagma vespersum</i>	Arthropoda	ES
bluet, civil	<i>Enallagma civile</i>	Arthropoda	CK,ES
borer, American plum	<i>Euzophera semifuneralis</i>	Arthropoda	CK
borer, dogwood	<i>Synanthedon scitula</i>	Arthropoda	CK
borer, European corn	<i>Ostrinia nubilalis</i>	Arthropoda	CK
borer, flat-headed apple tree	<i>Chrysobothris femorata</i>	Arthropoda	CK
borer, lesser peach tree	<i>Synanthedon pictipes</i>	Arthropoda	CK
borer, lilac	<i>Podosesia syringae syringae</i>	Arthropoda	CK
borer, locust	<i>Megacyllene robiniae</i>	Arthropoda	CK
borer, peach tree	<i>Synanthedon exitiosa</i>	Arthropoda	CK
borer, pole	<i>Parandra brunnea</i>	Arthropoda	CK
borer, raspberry cane	<i>Oberea bimaculata</i>	Arthropoda	CK
borer, raspberry crown	<i>Pennisetia marginata</i>	Arthropoda	CK
borer, shot-hole	<i>Scolytus rugulosus</i>	Arthropoda	CK
borer, stalk	<i>Papaipema nebris</i>	Arthropoda	CK
bryozoa	<i>Plumatella casmiana</i>	Bryozoa	ES
bryozoan, sac	<i>Lophopodella carteri</i>	Bryozoa	ES

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
bryozoan, slimy	<i>Pectinatella magnifica</i>	Bryozoa	ES
bryozoan, spreading	<i>Plumatella repens</i>	Bryozoa	ES
buckeye	<i>Junonia coenia</i>	Arthropoda	OK
bud-moth, eye-spotted	<i>Spilonota ocellana</i>	Arthropoda	OK
bud-moth, tufted apple	<i>Platynota idaeusalis</i>	Arthropoda	OK
bug, ambush	<i>Phymata pennsylvanica</i>	Arthropoda	OK
bug, assassin	<i>Sinea diadema</i>	Arthropoda	OK
bug, assassin	<i>Zelus exsanguis</i>	Arthropoda	OK
bug, big-eyed	<i>Geocoris uliginosis</i>	Arthropoda	OK
bug, boxelder	<i>Leptocoris trivittatus</i>	Arthropoda	OK
bug, broad-headed	alydid sp.	Arthropoda	OK
bug, burrower	cydnid sp.	Arthropoda	OK
bug, damsel	<i>Hoplistoscelus sordidus</i>	Arthropoda	OK
bug, damsel	<i>Lasiomerus</i> sp.	Arthropoda	OK
bug, damsel	nabid sp.	Arthropoda	OK
bug, damsel	<i>Nabis</i> sp.	Arthropoda	OK
bug, flat	<i>Aradus</i> sp.	Arthropoda	OK
bug, four-lined leaf	<i>Peocilocapsus lineatus</i>	Arthropoda	OK
bug, giant water	<i>Belostoma flumineum</i>	Arthropoda	ES
bug, giant water	<i>Belostoma</i> sp.	Arthropoda	ES
bug, green stink	<i>Thyanta pallido-virens</i>	Arthropoda	OK
bug, insidious flower	<i>Orius insidiosus</i>	Arthropoda	OK
bug, lace	<i>Corythuca pruni</i>	Arthropoda	OK
bug, lace	tingid sp.	Arthropoda	ES
bug, lead-footed	<i>Leptoglossus oppositus?</i>	Arthropoda	OK
bug, meadow plant	<i>Leptoptera dolabrata</i>	Arthropoda	OK
bug, negro	thyreocorid sp.	Arthropoda	OK
bug, scentless plant	<i>Arhyssus lateralis</i>	Arthropoda	OK
bug, seed	<i>Myodocha serripes</i>	Arthropoda	OK
bug, shield-backed	scutellerid sp.	Arthropoda	ES
bug, shore	<i>Micracanthia</i> sp.	Arthropoda	OK,ES
bug, small milkweed	<i>Lygaeus kalmii</i>	Arthropoda	OK
bug, squash	<i>Anasa tristis</i>	Arthropoda	OK
bug, stink	<i>Euschistus icterius</i>	Arthropoda	OK
bug, tarnished plant	<i>Lygus lineolaris?</i>	Arthropoda	OK
bug, toad	<i>Gelastocoris</i> sp.	Arthropoda	TR
bug, velvet water	<i>Merragata</i> sp.	Arthropoda	TR
bumblebee, large	<i>Bombus</i> sp.	Arthropoda	OK
butterfly, monarch	<i>Danaus plexippus</i>	Arthropoda	OK
butterfly, snout	<i>Libytheana bachmanii</i>	Arthropoda	OK
butterfly, hackberry	<i>Asterocampa celtis</i>	Arthropoda	OK
cabbage white	<i>Pieris rapae</i>	Arthropoda	OK
caddisfly	<i>Agraytea</i> sp.	Arthropoda	OK,ES
caddisfly	<i>Ceraclea cancellatus</i>	Arthropoda	OK
caddisfly	<i>Ceraclea resurgens</i>	Arthropoda	OK
caddisfly	<i>Ceraclea</i> sp.	Arthropoda	OK
caddisfly	<i>Ceraclea tarsi-punctata</i>	Arthropoda	OK,ES
caddisfly	<i>Ceraclea transversus</i>	Arthropoda	ES
caddisfly	<i>Ceratopsyche bronta</i>	Arthropoda	ES
caddisfly	<i>Ceratopsyche slossonae</i>	Arthropoda	ES
caddisfly	<i>Ceratopsyche</i> sp.	Arthropoda	ES,TR
caddisfly	<i>Ceratomyia ohio</i>	Arthropoda	ES
caddisfly	<i>Cheumatopsyche burksi</i>	Arthropoda	ES
caddisfly	<i>Cheumatopsyche campyla</i>	Arthropoda	OK
caddisfly	<i>Cheumatopsyche minuscula</i>	Arthropoda	ES
caddisfly	<i>Cheumatopsyche pasella</i>	Arthropoda	ES
caddisfly	<i>Cheumatopsyche sordida</i>	Arthropoda	OK,ES
caddisfly	<i>Cheumatopsyche</i> sp.	Arthropoda	ES,TR
caddisfly	<i>Chimarra obscura</i>	Arthropoda	OK,ES
caddisfly	<i>Cymellus fraternus</i>	Arthropoda	OK,ES
caddisfly	<i>Cymellus marginalis</i>	Arthropoda	ES
caddisfly	<i>Helicopsyche</i> sp.	Arthropoda	TR
caddisfly	<i>Hydropsyche betteni</i>	Arthropoda	OK,ES
caddisfly	<i>Hydropsyche recurvata</i>	Arthropoda	OK,ES
caddisfly	<i>Hydropsyche</i> sp.	Arthropoda	OK,ES,TR
caddisfly	<i>Hydropsyche walkeri</i>	Arthropoda	OK
caddisfly	<i>Hydroptila ajax</i>	Arthropoda	OK,ES
caddisfly	<i>Hydroptila angusta</i>	Arthropoda	OK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
caddisfly	<i>Hydroptila armata</i>	Arthropoda	ES
caddisfly	<i>Hydroptila consimilis</i>	Arthropoda	ES
caddisfly	<i>Hydroptila grandiosa</i>	Arthropoda	CK
caddisfly	<i>Hydroptila perdita</i>	Arthropoda	CK,ES
caddisfly	<i>Hydroptila spatulata</i>	Arthropoda	CK
caddisfly	<i>Hydroptila waubesiana</i>	Arthropoda	CK,ES
caddisfly	<i>Leptocerus americanus</i>	Arthropoda	CK
caddisfly	<i>Limnephilus submonilifer</i>	Arthropoda	CK
caddisfly	<i>Nectopsyche</i> sp.	Arthropoda	CK,ES
caddisfly	<i>Neophylax</i> sp.	Arthropoda	CK
caddisfly	<i>Neureclipsis crepuscularis</i>	Arthropoda	ES
caddisfly	<i>Nyctiophylax moestus</i>	Arthropoda	CK,ES
caddisfly	<i>Ochrotrichia tarsalis</i>	Arthropoda	CK,ES
caddisfly	<i>Oecetis avara</i>	Arthropoda	ES
caddisfly	<i>Oecetis cinerascens</i>	Arthropoda	CK,ES
caddisfly	<i>Oecetis inconspicua</i>	Arthropoda	CK,ES
caddisfly	<i>Oecetis persimilis</i>	Arthropoda	CK
caddisfly	<i>Orthotrichia americana</i>	Arthropoda	CK,ES
caddisfly	<i>Oxeythira pallida</i>	Arthropoda	ES
caddisfly	<i>Philarctus</i> sp.?	Arthropoda	ES
caddisfly	<i>Phryganea cinerea</i>	Arthropoda	ES
caddisfly	<i>Polycentropus aureolus</i>	Arthropoda	CK
caddisfly	<i>Polycentropus cinereus</i>	Arthropoda	CK
caddisfly	<i>Polycentropus crassicomis</i>	Arthropoda	ES
caddisfly	<i>Polycentropus interruptus</i>	Arthropoda	ES
caddisfly	<i>Potamyia</i> sp.	Arthropoda	CK,TR
caddisfly	<i>Pycnopsyche</i> sp.	Arthropoda	TR
caddisfly	<i>Rhyacophila ledra</i>	Arthropoda	CK
caddisfly	<i>Rhyacophila vibox</i>	Arthropoda	CK
caddisfly	<i>Trienodes frontalis</i>	Arthropoda	ES
caterpillar, eastern tent	<i>Malacosoma americanum</i>	Arthropoda	CK
chafer, rose	<i>Macroductylus subspinosus</i>	Arthropoda	CK
choanoflagellate	<i>Codonosiga</i> sp.?	Sarcomastigophora	ES
choanoflagellate	<i>Codonosigopsis</i> sp.	Sarcomastigophora	ES
choanoflagellate	<i>Codosiga</i> sp.	Sarcomastigophora	ES
choanoflagellate	<i>Desmarella</i> sp.	Sarcomastigophora	ES
choanoflagellate	<i>Diplosiga</i> sp.	Sarcomastigophora	ES
choanoflagellate	<i>Monosiga ovata</i>	Sarcomastigophora	ES
choanoflagellate	<i>Monosiga robusta</i>	Sarcomastigophora	ES
choanoflagellate	<i>Poteriodendron petiolatum</i>	Sarcomastigophora	ES
choanoflagellate	<i>Salpingoeca elegans</i>	Sarcomastigophora	ES
cicada, dog day	<i>Tibicen canicularis</i>	Arthropoda	CK
cicada, dog day	<i>Tibicen linnei</i>	Arthropoda	CK
clam, fingernail	<i>Musculium</i> sp.	Mollusca	ES
clam, pond fingernail	<i>Musculium securis</i>	Mollusca	ES
cloak, mourning	<i>Nymphalis antiopa</i>	Arthropoda	CK
close-wings or grass moth	<i>Crambus</i> sp.	Arthropoda	CK
clubtail, spinylegged	<i>Dromogokmphus spinosus</i>	Arthropoda	TR
clubtail, spinylegged	<i>Dromogokmphus spoliatus</i>	Arthropoda	TR
cockroach, American	<i>Periplaneta americana?</i>	Arthropoda	CK
cockroach, Oriental	<i>Blatta orientalis?</i>	Arthropoda	CK
cockroach, wood	<i>Parcoblatta</i> sp.?	Arthropoda	CK
copepod	<i>Acanthocyclops vernalis</i>	Arthropoda	CK,ES,LE
copepod	<i>Attheyella illinoisensis</i>	Arthropoda	ES
copepod	<i>Bryocamptus</i> sp.	Arthropoda	ES
copepod	<i>Canthocamptus robertcokeri</i>	Arthropoda	ES
copepod	<i>Cyclops varicans rubellus?</i>	Arthropoda	CK,ES,LE
copepod	<i>Diacyclops cf. navus</i>	Arthropoda	ES
copepod	<i>Diacyclops nearcticus</i>	Arthropoda	ES
copepod	<i>Diacyclops thomasi</i>	Arthropoda	CK,ES,LE
copepod	<i>Diaptomus</i> sp.	Arthropoda	ES
copepod	<i>Epischura lacustris</i>	Arthropoda	ES
copepod	<i>Eucyclops agilis</i>	Arthropoda	ES,LE
copepod	<i>Eucyclops elegans [=E. speratus]</i>	Arthropoda	ES
copepod	<i>Eurytemora affinis</i>	Arthropoda	CK,ES,LE
copepod	<i>Leptodiaptomus ashlandi</i>	Arthropoda	CK,ES,LE
copepod	<i>Leptodiaptomus minutus</i>	Arthropoda	ES,LE
copepod	<i>Leptodiaptomus sicilis</i>	Arthropoda	ES,LE

copepod	<i>Leptodiptomus siciloides</i>	Arthropoda	CK,ES,LE
copepod	<i>Macrocylops albidus</i>	Arthropoda	ES
copepod	<i>Mesocyclops edax</i>	Arthropoda	CK,ES,LE
copepod	<i>Microcylops varicans rubellus</i>	Arthropoda	ES
copepod	<i>Nitocra hibernica</i>	Arthropoda	ES
copepod	<i>Paracyclops fimbriatus poppei</i>	Arthropoda	ES
copepod	<i>Skistodiptomus oregonesis</i>	Arthropoda	CK,ES,LE
copepod	<i>Skistodiptomus pallidus</i>	Arthropoda	CK,ES
copepod	<i>Tropocyclops prasinus mexicanus</i>	Arthropoda	CK,ES,LE
copper, American	<i>Lycaena phlaeas</i>	Arthropoda	CK
crawfish, devil	<i>Cambarus diogenes</i>	Arthropoda	ES
crawler, spiny	<i>Ephemerella</i> sp.	Arthropoda	CK
crayfish, rusty	<i>Orconectes rusticus</i>	Arthropoda	ES
crescent, pearl	<i>Phyciodes tharos</i>	Arthropoda	CK
cricket, camel or cave	<i>Ceuthophilus</i> sp.	Arthropoda	CK
cricket, field	<i>Gryllus</i> sp.	Arthropoda	CK
cricket, northern mole	<i>Neocurtilla hexadactyla</i>	Arthropoda	CK
cricket, pygmy mole	<i>Ellipes minuta minuta</i>	Arthropoda	ES,TR
cricket, pygmy mole	tridactylid sp.	Arthropoda	ES
curculio, plum	<i>Conotrachelus nenuphar</i>	Arthropoda	CK
damselfly, green	<i>Nehalennia irene</i>	Arthropoda	ES
damselfly, variegated	<i>Chromagrion</i> sp.	Arthropoda	TR
damselfly, bandwing	<i>Calopteryx</i> sp.	Arthropoda	ES
damselfly, blackwinged	<i>Calopteryx maculata</i>	Arthropoda	CK,TR
damselfly, purple or violet dancer	<i>Argia violacea</i>	Arthropoda	ES
dancer	<i>Argia apicalis</i>	Arthropoda	ES
dancer	<i>Argia fumipennis</i>	Arthropoda	TR
dancer	<i>Argia meosta</i>	Arthropoda	ES
dancer	<i>Argia tibialis</i>	Arthropoda	CK,ES
dancer	<i>Argia translata</i>	Arthropoda	TR
darter, big green	<i>Anax junius</i>	Arthropoda	ES,CK
darter, blue or paddletail	<i>Aeshna</i> sp.	Arthropoda	ES
deertoe	<i>Truncilla truncilla</i>	Mollusca	LE
dinoflagellate	<i>Gymnodinium fungiforme</i>	Sarcomastigophora	ES
dipluran	dipluran sp.	Arthropoda	CK
dragonfly, black	<i>Hagenius brevistylus</i>	Arthropoda	TR
dragonfly, red saddlebags	<i>Tramea onusta</i>	Arthropoda	CK
dragonfly, ten-spot	<i>Libellula pulchella</i>	Arthropoda	CK,ES
dragonfly, widow	<i>Libellula luctuosa</i>	Arthropoda	CK,TR
dustywing	coniopterygid sp.	Arthropoda	CK
earthworm, aquatic	<i>Aeolosoma headleyi</i>	Annelida	ES
earthworm, aquatic	<i>Aeolosoma hemprichi</i>	Annelida	ES
earthworm, aquatic	<i>Lumbriculus variegatus</i>	Annelida	ES
earthworm, aquatic	<i>Stylodrillus heringianus</i>	Annelida	ES
earwig, European	<i>Forficula auricularia?</i>	Arthropoda	CK
earwig, little	<i>Labia</i> sp.?	Arthropoda	CK
earwig, ring-legged	<i>Euborellia annulipes?</i>	Arthropoda	TR
earworm, com	<i>Heliothis zea</i>	Arthropoda	CK
emperor, tawny	<i>Asterocampa clyton</i>	Arthropoda	CK
euglena, colorless	<i>Anisonema acinus</i>	Sarcomastigophora	ES
euglena, colorless	<i>Anisonema emarginatum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Anisonema ovale</i>	Sarcomastigophora	ES
euglena, colorless	<i>Anisonema strenuum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Anisonema truncatum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Entosiphon obliquum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Entosiphon ovatum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Entosiphon polyalux</i>	Sarcomastigophora	ES
euglena, colorless	<i>Entosiphon sulcatum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Heteronema klebsii</i>	Sarcomastigophora	ES
euglena, colorless	<i>Notosolenus apocampius</i>	Sarcomastigophora	ES
euglena, colorless	<i>Notosolenus bicularis</i>	Sarcomastigophora	ES
euglena, colorless	<i>Notosolenus sinuatus</i>	Sarcomastigophora	ES
euglena, colorless	<i>Peranema asperum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Peranema inflexum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Peranema trichophorum</i>	Sarcomastigophora	ES
euglena, colorless	<i>Petalomonas mediocanella</i>	Sarcomastigophora	ES
euglena, colorless	<i>Petalomonas minuta</i>	Sarcomastigophora	ES
euglena, colorless	<i>Petalomonas quadrilineata</i>	Sarcomastigophora	ES
fatmucket	<i>Lampsilis ventricosa</i>	Mollusca	LE,TR

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
fawnfoot	<i>Truncilla donaciformis</i>	Mollusca	LE
firefly or lightningbug	<i>Ellychnia</i> sp.	Arthropoda	CK
firefly or lightningbug	<i>Lucidota atra</i>	Arthropoda	CK
firefly or lightningbug	<i>Lucidota punctata</i>	Arthropoda	CK
firefly or lightningbug	<i>Photinus pyralis</i>	Arthropoda	CK
firefly or lightningbug	<i>Photuris pennsylvanica</i>	Arthropoda	CK
flatworm, turbellarian	<i>Mesostoma</i> sp.?	Platyhelminthes	ES
flatworm, turbellarian	<i>Microdalyellia</i> sp.?	Platyhelminthes	ES
flatworm, turbellarian	<i>Stenostomum</i> sp.	Platyhelminthes	ES
flea, cat	<i>Ctenocephalides felis</i>	Arthropoda	CK
flea, dog	<i>Ctenocephalides canis</i>	Arthropoda	CK
floater, giant	<i>Pyganodongrandis grandis</i>	Mollusca	ES,LE
fly, anthomyzid	anthomyzid sp.	Arthropoda	CK
fly, asteiid	asteiid sp.	Arthropoda	CK
fly, bee	<i>Anthrax</i> sp.	Arthropoda	CK
fly, black	<i>Simulium</i> sp.	Arthropoda	CK,ES
fly, blow	<i>Lucilia illustris</i> ?	Arthropoda	CK
fly, cluster blow	<i>Pollenia</i> sp.?	Arthropoda	CK
fly, crane	<i>Brachyremna</i> sp.	Arthropoda	CK,TR
fly, crane	<i>Hexatoma</i> sp.	Arthropoda	TR
fly, crane	<i>Paradelphomyia</i> sp.	Arthropoda	TR
fly, crane	<i>Pedicia</i> sp.	Arthropoda	TR
fly, crane	<i>Tipula</i> sp.	Arthropoda	CK,ES,TR
fly, crane, winter	<i>Trichocera</i> sp.?	Arthropoda	CK
fly, deer	<i>Chrysops</i> sp.	Arthropoda	CK,TR
fly, flesh	<i>Helicobia</i> sp.	Arthropoda	CK
fly, flower	<i>Baccha</i> sp.?	Arthropoda	CK
fly, flower	<i>Didea</i> sp.	Arthropoda	CK
fly, frit	chloropid sp.	Arthropoda	CK
fly, heleoemyzid	heleoemyzid sp.	Arthropoda	CK
fly, horse	<i>Merycomia</i> sp.	Arthropoda	TR
fly, horse	<i>Tabanus</i> sp.	Arthropoda	CK,TR
fly, house	<i>Musca</i> sp.	Arthropoda	CK
fly, hover	<i>Eristalis tenax</i> ?	Arthropoda	CK
fly, hover	<i>Syrphus</i> sp.	Arthropoda	CK
fly, humpbacked	phorid sp.	Arthropoda	CK,ES
fly, lauxaniid	lauxaniid sp.	Arthropoda	CK
fly, long-legged	dolichopodid sp.	Arthropoda	CK
fly, march	<i>Bibio</i> sp.?	Arthropoda	CK
fly, marsh	sciomyzid sp.	Arthropoda	ES
fly, phantom crane	ptychopterid sp.	Arthropoda	CK
fly, pomace	<i>Drosophila melanogaster</i>	Arthropoda	CK
fly, primitive crane	<i>Protoplasa</i> sp.?	Arthropoda	CK
fly, robber	asilid sp.	Arthropoda	CK
fly, shore	ephydrid sp.	Arthropoda	CK,ES
fly, snipe	<i>Atherix variegata</i>	Arthropoda	TR
fly, snipe	<i>Rhagio</i> sp.	Arthropoda	CK
fly, soldier	<i>Hedriodiscus</i> sp.	Arthropoda	ES
fly, soldier	<i>Odontomyia</i> sp.	Arthropoda	ES
fly, soldier	<i>Stratiomys</i> sp.	Arthropoda	CK
fly, spear-winged	lonchopterid sp.	Arthropoda	ES
fly, stiletto	therevid sp.	Arthropoda	CK
fly, tachina	<i>Spoggosia</i> sp.?	Arthropoda	CK
forktail	<i>Ischnura posita</i>	Arthropoda	CK,ES
forktail	<i>Ischnura verticalis</i>	Arthropoda	CK,ES
fossaria	<i>Fossaria</i> sp. [=Galba sp.]	Mollusca	ES
fritillary or silverspot	<i>Speyeria</i> sp.	Arthropoda	CK
fritillary, meadow	<i>Boloria bellona bellona</i>	Arthropoda	CK
gall, blackberry	<i>Diastrophus cuscutaeformis</i>	Arthropoda	CK
gall, golden rod	<i>Gnorimoschema gallaesolidaginis</i>	Arthropoda	CK
gall, hackberry nipple	<i>Pachypsylla celtidismamma</i>	Arthropoda	CK
gall, leafy goldenrod	<i>Rhopalomyia solidaginis</i>	Arthropoda	CK
gall, oak apple	<i>Amphibolips</i> sp.?	Arthropoda	CK
gall, round ball goldenrod	<i>Eurosta solidaginis</i>	Arthropoda	CK
gall, shag-bark hickory	<i>Phylloxera caryaecaulis</i> ?	Arthropoda	CK
gall, sumac	<i>Melaphis rhois</i> ?	Arthropoda	CK
gall-maker, blackberry	<i>Diastrophus nebulosis</i>	Arthropoda	CK
garden, banded	<i>Argiope trifasciata</i>	Arthropoda	CK

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gastrotrich	<i>Chaetonotus</i> sp.	Gastrotricha	ES
globe, white-lip	<i>Mesodon thyroidus</i>	Mollusca	ES
gnat, dark-winged fungus	sciarid sp.	Arthropoda	CK
gnat, fungus	mycetophilid sp.	Arthropoda	CK,ES
golden eye	<i>Chrysopa oculata</i>	Arthropoda	CK
grasshopper, band-winged	oedipidin sp.	Arthropoda	CK
grasshopper, eastern lubber	acridid sp.	Arthropoda	CK
grasshopper, pygmy	<i>Nomotetrix cristatus</i>	Arthropoda	TR
grasshopper, pygmy	<i>Paratettix cueullatus</i>	Arthropoda	TR
grasshopper, pygmy	tetrigid sp.	Arthropoda	CK
grasshopper, spur-throated	cyrtacanthacridin sp.	Arthropoda	CK
gyro, flexed	<i>Gyraulus deflectus</i>	Mollusca	ES
heelsplitter, creek	<i>Lasmigona compressa</i>	Mollusca	TR
heelsplitter, pink	<i>Potamilus alatus</i>	Mollusca	ES,LE
heliozoan	<i>Acanthocystis aculeata</i>	Sarcomastigophora	ES
heliozoan	<i>Acanthocystis chaetophora</i>	Sarcomastigophora	ES
heliozoan	<i>Acanthocystis mira</i>	Sarcomastigophora	ES
heliozoan	<i>Acanthocystis myriospina</i>	Sarcomastigophora	ES
heliozoan	<i>Acanthocystis turfacea</i>	Sarcomastigophora	ES
heliozoan	<i>Actinophrys soi</i>	Sarcomastigophora	ES
heliozoan	<i>Actinophrys vesiculata</i>	Sarcomastigophora	ES
heliozoan	<i>Actinosphaerium</i> sp.	Sarcomastigophora	ES
heliozoan	<i>Ciliophrys</i> sp.	Sarcomastigophora	ES
heliozoan	<i>Heterophrys</i> sp.	Sarcomastigophora	ES
heliozoan	<i>Pompholyxophrys</i> sp.	Sarcomastigophora	ES
heliozoan	<i>Raphidiocystis</i> sp.	Sarcomastigophora	ES
heliozoan	<i>Raphidiophrys pallida</i>	Sarcomastigophora	ES
heliozoan	<i>Raphidiophrys</i> sp.	Sarcomastigophora	ES
helgrammite	<i>Corydalus cornutus</i>	Arthropoda	CK,TR
helgrammite or fishfly	<i>Chauliodes</i> sp.	Arthropoda	CK,ES
hornet, bald-faced	<i>Vespa maculata</i>	Arthropoda	CK
hornet, giant	<i>Vespa crabro germana</i>	Arthropoda	CK
hornworm, tomato	<i>Manduca quinquemaculata</i>	Arthropoda	CK
hydra	<i>Hydra americana</i>	Cnidaria	ES
jellyfish, freshwater	<i>Craspedacusta sowerbyi</i>	Cnidaria	CK,TR
katydid, broad-winged	<i>Microcentrum rhombitolum</i>	Arthropoda	CK
katydid, northern	<i>Pterophylla camellifolia</i>	Arthropoda	CK
kidneyshell	<i>Ptychobranthus fasciolaris</i>	Mollusca	LE
lacewing, brown	hemerobiid sp.	Arthropoda	CK
ladybug, twice-stabbed	<i>Chilocorus stigma</i>	Arthropoda	CK
lampmussel	<i>Lampsilis radiata luteola</i>	Mollusca	LE,TR
leaf-roller, fruittree	<i>Archips argyrospila</i>	Arthropoda	CK
leaf-roller, oblique-banded	<i>Choristoneura rosaceana</i>	Arthropoda	CK
leaf-roller, red-banded	<i>Argyrotaenia velutinana</i>	Arthropoda	CK
leaf-roller, variegated	<i>Platy nota flavedana</i>	Arthropoda	CK
leafhopper, cicadellin	<i>Draeculacephala mollipes</i>	Arthropoda	CK
leafhopper, colorful	<i>Graphocephala coccinea</i>	Arthropoda	CK
leafhopper, gyooinin	<i>Penthima americana</i>	Arthropoda	CK
leafhopper, potato	<i>Empoasca fabae</i>	Arthropoda	CK
leafhopper, white apple	<i>Typhlocyba pomaria</i>	Arthropoda	CK
leafminer, locust	<i>Xenochalepus dorsalis</i>	Arthropoda	CK
leafminer, spotted tentiform	<i>Phyllonorycter biancardella</i>	Arthropoda	CK
leech	<i>Batrachobdella phalera</i>	Annelida	ES
leech	<i>Glossiphonia</i> sp.	Annelida	ES
leech	<i>Helobdella stagnalis</i>	Annelida	ES
leech	<i>Placobdella</i> sp.	Annelida	ES
lilliput	<i>Toxolasma parvus</i>	Mollusca	LE
louse, fish	<i>Argulus</i> sp.	Arthropoda	ES
lymnaea, mammoth	<i>Lymnaea megasoma</i>	Mollusca	ES
lymnaea, mimic	<i>Pseudosuccinea columella</i>	Mollusca	ES
maggot, apple	<i>Rhagoletis pomonella</i>	Arthropoda	CK
maggot, orange or gall gnat	<i>Aphidoletes aphidimyza</i>	Arthropoda	CK
mantid, Chinese or praying mantis	<i>Tenodera aridifolia sinensis</i>	Arthropoda	CK,TR
mayfly, flatheaded or yellow may	<i>Stenacron</i> sp.	Arthropoda	CK,TR
mayfly, brushlegged	<i>Isonychia sicca</i>	Arthropoda	CK
mayfly, burrowing	<i>Ephemera</i> sp.	Arthropoda	TR
mayfly, burrowing	<i>Hexagenia limbata</i>	Arthropoda	ES
mayfly, flatheaded	<i>Heptagenia pulla</i>	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
mayfly, flatheaded	<i>Heptagenia</i> sp.	Arthropoda	CK
mayfly, flatheaded or pale red fox	<i>Stenonema femoratum</i>	Arthropoda	CK
mayfly, pale burrowing	<i>Ephoron</i> sp.	Arthropoda	TR
mayfly, pronggill	<i>Leptophlebia</i> sp.	Arthropoda	ES
mayfly, squaregill	<i>Caenis simulans</i>	Arthropoda	CK
midge	<i>Ablabesmyia parajanta</i>	Arthropoda	ES
midge	<i>Chironomus anthracinus</i>	Arthropoda	ES
midge	<i>Chironomus cristatus</i>	Arthropoda	ES
midge	<i>Chironomus decorus</i>	Arthropoda	ES
midge	<i>Chironomus plumosus</i>	Arthropoda	ES
midge	<i>Chironomus riparus</i>	Arthropoda	ES
midge	<i>Chironomus staegeri</i>	Arthropoda	ES
midge	<i>Chironomus tentans</i>	Arthropoda	ES
midge	<i>Cladopelma</i> sp.	Arthropoda	ES
midge	<i>Cladotanytarsus</i> sp.	Arthropoda	ES
midge	<i>Coelotanypus concinnus</i>	Arthropoda	ES
midge	<i>Cricotopus sylvestris</i>	Arthropoda	ES
midge	<i>Cricotopus tremulus</i>	Arthropoda	ES
midge	<i>Cricotopus trifascia</i>	Arthropoda	ES
midge	<i>Cryptochironomus</i> sp.	Arthropoda	ES
midge	<i>Dicrotendipes nervous</i>	Arthropoda	ES
midge	<i>Dicrotendipes</i> sp.	Arthropoda	ES
midge	<i>Endochironomus nigrans</i>	Arthropoda	ES
midge	<i>Glyptotendipes loberiferus</i>	Arthropoda	ES
midge	<i>Glyptotendipes</i> sp.	Arthropoda	ES
midge	<i>Hydrobaenus</i> sp.	Arthropoda	ES
midge	<i>Labrundinia pilosilla</i>	Arthropoda	ES
midge	<i>Limnochironomus tenuicadatus</i>	Arthropoda	ES
midge	<i>Limnophyes</i> sp.	Arthropoda	ES
midge	<i>Lipiniella</i> sp.	Arthropoda	ES
midge	<i>Microchironomus</i> sp.	Arthropoda	ES
midge	<i>Micropsectra polita</i>	Arthropoda	ES
midge	<i>Microtendipes caelum</i>	Arthropoda	ES
midge	<i>Orthocladus obumbratus</i>	Arthropoda	ES
midge	<i>Orthocladus</i> sp.	Arthropoda	ES
midge	<i>Parachironomus</i> sp.	Arthropoda	ES
midge	<i>Paralauterborniella</i> sp.	Arthropoda	ES
midge	<i>Paratanytarsus</i> sp.	Arthropoda	ES
midge	<i>Paratendipes</i> sp.	Arthropoda	ES
midge	<i>Pentaneura</i> sp.	Arthropoda	ES
midge	<i>Polypedilum halterale</i>	Arthropoda	ES
midge	<i>Polypedilum</i> sp.	Arthropoda	ES
midge	<i>Pothastia longimanus</i>	Arthropoda	ES
midge	<i>Procladius</i> sp.	Arthropoda	ES
midge	<i>Procladius sublettei</i>	Arthropoda	ES
midge	<i>Rheotanytarsus exiguus</i>	Arthropoda	ES
midge	<i>Stictochironomus</i> sp.	Arthropoda	ES
midge	<i>Symphothastia</i> sp.	Arthropoda	ES
midge	<i>Tanypus</i> sp.	Arthropoda	ES,TR
midge	<i>Tanytarsus glabrescens</i>	Arthropoda	ES
midge	<i>Thienemannimyia</i> sp.	Arthropoda	ES
midge	<i>Tribelos</i> sp.	Arthropoda	ES
midge, biting	<i>Probezzia</i> sp.	Arthropoda	ES
midge, net-winged	blepharocerid sp.	Arthropoda	ES
midge, phantom	<i>Chaoborus flavicans</i>	Arthropoda	ES
midge, phantom	<i>Chaoborus punctipennis</i>	Arthropoda	ES
mite, clam	<i>Neumania</i> sp.	Arthropoda	ES
mite, clam	<i>Unionicola</i> sp.	Arthropoda	ES
mite, freshwater	<i>Limnesia</i> sp.	Arthropoda	ES
mosquito	<i>Aedes communis</i> ?	Arthropoda	CK
mosquito	<i>Aedes infirmatus</i>	Arthropoda	ES
mosquito	<i>Aedes vexans</i>	Arthropoda	ES
mosquito	<i>Culex pipiens</i>	Arthropoda	CK
moth, cecropia	<i>Platysamia cecropia</i>	Arthropoda	CK
moth, chickweed geometer	<i>Haemotopis grataria</i>	Arthropoda	CK
moth, clear-wing sphinx	sphingid sp.	Arthropoda	CK
moth, clothes	tineid sp.	Arthropoda	CK
moth, codling	<i>Cydia pomonella</i>	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
moth, ctenuchid Virginia	<i>Ctenucha virginica</i>	Arthropoda	CK
moth, ermine	ypomeutoid sp.	Arthropoda	ES
moth, forester	<i>Alypia</i> sp.	Arthropoda	CK
moth, grape berry	<i>Paralobesia viteana</i>	Arthropoda	CK
moth, green geometrid	<i>Synchlora aerata</i>	Arthropoda	CK
moth, Indian meal	<i>Plodia interpunctata</i>	Arthropoda	CK
moth, io	<i>Automeris io</i>	Arthropoda	CK
moth, looper	<i>Autographa</i> sp.	Arthropoda	CK
moth, Oriental fruit	<i>Grapholitha molesta</i>	Arthropoda	CK
moth, polyphemus	<i>Antheraea polyphemus</i>	Arthropoda	CK
moth, prominent	notodontid sp.	Arthropoda	CK
moth, sphinx	<i>Protoparce sexta?</i>	Arthropoda	CK
moth, underwing	<i>Catocala</i> sp.	Arthropoda	CK
moth, white	<i>Estigmene</i> sp.?	Arthropoda	CK
moth, white-marked tussock	<i>Hemerocampa leucostigma</i>	Arthropoda	CK
moth, white-striped black	<i>Euchoeca albovitatta</i>	Arthropoda	CK
mussel, quagga	<i>Dreissena bugensis</i>	Mollusca	LE
mussel, zebra	<i>Dreissena polymorpha</i>	Mollusca	ES,LE
olive, bluewing	<i>Baetis</i> sp.	Arthropoda	ES,TR
painted lady	<i>Vanessa cardui</i>	Arthropoda	CK
painted lady, American	<i>Vanessa virginiensis</i>	Arthropoda	CK
papershell, cylindrical	<i>Anodontoides ferussacianus</i>	Mollusca	TR
papershell, fragile	<i>Leptodea fragilis</i>	Mollusca	LE
peaclam, ridge-beak	<i>Pisidium compressum</i>	Mollusca	ES
pearly eye, northern	<i>Enodia anhedon</i>	Arthropoda	CK
phylloxera, grape	<i>Daktulosphaira vitifoliae</i>	Arthropoda	CK
physa	<i>Physa</i> sp.	Mollusca	ES
physa, tadpole	<i>Physella gyrina</i>	Mollusca	ES
pimpleback	<i>Quadrula pustulosa pistulosa</i>	Mollusca	LE
planaria	<i>Dugesia tigrina</i>	Platyhelminthes	CK
planaria	<i>Hymanella retenuova</i>	Platyhelminthes	ES
planthopper	acanaloniid sp.	Arthropoda	CK
pondhawk, eastern	<i>Erythemis simplicicollis</i>	Arthropoda	CK,ES,TR
pondshell, paper	<i>Utterbackia imbecillis</i>	Mollusca	ES,LE
protozoan, amoeboid	<i>Amoeba</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Arcella discoides</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Arcella vulgaris</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Biomyxa vagans</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Cashia limacoides</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Centropyxis</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Cochliopodium bilimbosum</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Cochliopodium minus</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Cyphoderia ampulla</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Diffugia acuminata</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Diffugia globosa</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Diffugia kobostoma</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Diffugia pyriformis</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Diplophrys archeri</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Hartmannella</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Hartmannella vermiformis</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Hyalosphenia</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Mayorella bigemma</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Mayorella penardi</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Naegleria gruber</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Nuclearia</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Oscillosignum proboscidium</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Pelomyxa</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Pseudodiffugia</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Striamoeba quadrilineata</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Striamoeba</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Thecamoeba striata</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Trichamoeba</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Vahlkampfia</i> sp.	Sarcomastigophora	ES
protozoan, amoeboid	<i>Vampyrella lateritia</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Vannella miroides</i>	Sarcomastigophora	ES
protozoan, amoeboid	<i>Vexillifera</i> sp.	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Anthophysa steinii</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Anthophysa vegetans</i>	Sarcomastigophora	ES

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protozoan, chrysomonad	<i>Chromulina nana</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Dinobryon bavaricum</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Dinobryon sertularia</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Mallomonas elegans</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Mallomonas intermedia</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Microglena</i> sp.	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Monas guttula</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Monas socialis</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Ochromonas ludibunda</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Oikomonas termo</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Physomonas vestita</i>	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Spumella</i> sp.	Sarcomastigophora	ES
protozoan, chrysomonad	<i>Stokesiella</i> sp.	Sarcomastigophora	ES
protozoan, ciliated	<i>Acineria incurvata</i>	Ciliophora	ES
protozoan, ciliated	<i>Acineta tuberosa</i>	Ciliophora	ES
protozoan, ciliated	<i>Askenasia volvox</i>	Ciliophora	ES
protozoan, ciliated	<i>Aspidisca costata</i>	Ciliophora	ES
protozoan, ciliated	<i>Aspidisca lynceus</i>	Ciliophora	ES
protozoan, ciliated	<i>Aspidisca steini</i>	Ciliophora	ES
protozoan, ciliated	<i>Balanion</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Balladyna fusiformis</i>	Ciliophora	ES
protozoan, ciliated	<i>Balladyna ovata</i>	Ciliophora	ES
protozoan, ciliated	<i>Balladyna parvula</i>	Ciliophora	ES
protozoan, ciliated	<i>Calyptotricha pleuronemoides</i>	Ciliophora	ES
protozoan, ciliated	<i>Chaenea</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella acuta</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella algivora</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella capucina</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella labiata</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella nana</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodonella uncinata</i>	Ciliophora	ES
protozoan, ciliated	<i>Chilodontopsis opsis</i>	Ciliophora	ES
protozoan, ciliated	<i>Cinetochilum margaritaceum</i>	Ciliophora	ES
protozoan, ciliated	<i>Codonella cratera</i>	Ciliophora	ES
protozoan, ciliated	<i>Coleps bicuspis</i>	Ciliophora	ES
protozoan, ciliated	<i>Coleps hirtus</i>	Ciliophora	ES
protozoan, ciliated	<i>Coleps octospinus</i>	Ciliophora	ES
protozoan, ciliated	<i>Cristigera phoenix</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium glaucoma</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium litomesum</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium muscicola</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium paucisetum</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium pellucidum</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyclidium versatile</i>	Ciliophora	ES
protozoan, ciliated	<i>Cyrtolophosis mucicola</i>	Ciliophora	ES
protozoan, ciliated	<i>Didinium nasutum</i>	Ciliophora	ES
protozoan, ciliated	<i>Enchelydium</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Euplotes</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Frontonia</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Halteria grandunella</i>	Ciliophora	ES
protozoan, ciliated	<i>Hemiophrys pleurosigma</i>	Ciliophora	ES
protozoan, ciliated	<i>Hemiophrys</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Histiobalantium natans</i>	Ciliophora	ES
protozoan, ciliated	<i>Holophrya nigricans</i>	Ciliophora	ES
protozoan, ciliated	<i>Holophrya</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Holostricha vernalis</i>	Ciliophora	ES
protozoan, ciliated	<i>Hypotrichidium conicum</i>	Ciliophora	ES
protozoan, ciliated	<i>Keronopsis</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Lacrymaria alor</i>	Ciliophora	ES
protozoan, ciliated	<i>Lembadion bullinum</i>	Ciliophora	ES
protozoan, ciliated	<i>Leptopharynx sphagnetorum</i>	Ciliophora	ES
protozoan, ciliated	<i>Limnostrombidium</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Litonotus anguilla</i>	Ciliophora	ES
protozoan, ciliated	<i>Litonotus cygus</i>	Ciliophora	ES
protozoan, ciliated	<i>Litonotus fasciola</i>	Ciliophora	ES
protozoan, ciliated	<i>Litonotus lamella</i>	Ciliophora	ES
protozoan, ciliated	<i>Litonotus</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Loxophyllum</i> sp.	Ciliophora	ES

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
protozoan, ciliated	<i>Loxophyllum uninucleatum</i>	Ciliophora	ES
protozoan, ciliated	<i>Mesodinium pulex</i>	Ciliophora	ES
protozoan, ciliated	<i>Microthorax simulans</i>	Ciliophora	ES
protozoan, ciliated	<i>Oxytricha aeruginosa</i>	Ciliophora	ES
protozoan, ciliated	<i>Oxytricha bitaria</i>	Ciliophora	ES
protozoan, ciliated	<i>Oxytricha chlorelliguum</i>	Ciliophora	ES
protozoan, ciliated	<i>Oxytricha setigera</i>	Ciliophora	ES
protozoan, ciliated	<i>Oxytricha tricomis</i>	Ciliophora	ES
protozoan, ciliated	<i>Paramecium caudatum</i>	Ciliophora	ES
protozoan, ciliated	<i>Pelagostrombidium fallax</i>	Ciliophora	ES
protozoan, ciliated	<i>Placus ovum</i>	Ciliophora	ES
protozoan, ciliated	<i>Pleuronema</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Prodon discolor</i>	Ciliophora	ES
protozoan, ciliated	<i>Rimostrombidium humile</i>	Ciliophora	ES
protozoan, ciliated	<i>Rimostrombidium lacustris</i>	Ciliophora	ES
protozoan, ciliated	<i>Sphaerophrya</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Spirostromum</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Stentor</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Stichotricha secunda</i>	Ciliophora	ES
protozoan, ciliated	<i>Strobilidium gyrans</i>	Ciliophora	ES
protozoan, ciliated	<i>Stylonychia mytilus</i>	Ciliophora	ES
protozoan, ciliated	<i>Stylonychia notophora</i>	Ciliophora	ES
protozoan, ciliated	<i>Tachysoma pellionella</i>	Ciliophora	ES
protozoan, ciliated	<i>Tachysoma</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Tethymena pyriformis</i>	Ciliophora	ES
protozoan, ciliated	<i>Tintinnidium fluviatile</i>	Ciliophora	ES
protozoan, ciliated	<i>Tokophrya</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Trachelius ovum</i>	Ciliophora	ES
protozoan, ciliated	<i>Trachelophyllum pusillum</i>	Ciliophora	ES
protozoan, ciliated	<i>Trachelophyllum sigmoides</i>	Ciliophora	ES
protozoan, ciliated	<i>Trichopelma</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Trochilia palustris</i>	Ciliophora	ES
protozoan, ciliated	<i>Trochilia pusillum</i>	Ciliophora	ES
protozoan, ciliated	<i>Trochilia sigmoides</i>	Ciliophora	ES
protozoan, ciliated	<i>Urocentrum turbo</i>	Ciliophora	ES
protozoan, ciliated	<i>Uroleptus</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Uromema</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Urostyla grandis</i>	Ciliophora	ES
protozoan, ciliated	<i>Urostyla</i> sp.	Ciliophora	ES
protozoan, ciliated	<i>Urotricha armata</i>	Ciliophora	ES
protozoan, ciliated	<i>Urotricha farcta</i>	Ciliophora	ES
protozoan, ciliated	<i>Urotricha furcata</i>	Ciliophora	ES
protozoan, cryptomonad	<i>Chilomonas</i> sp.	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Chroomonas norstedtii</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas compressa</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas erosa</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas obovata</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas ovata</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas reflexa</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cryptomonas tenuis</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Cyathomonas truncata</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Planonephros parvula</i> [=Sennia]	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Rhodomonas lacustris</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Rhodomonas lens</i>	Sarcomastigophora	ES
protozoan, cryptomonad	<i>Rhodomonas minuta</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Ascoglena vaginicola?</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Astasia klebsii</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena acus</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena deses</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena ehrenbergii</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena gracilis</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena oxyuris</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena oxyuris</i> var. <i>minuta</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena pisciformis</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena tripteris</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Euglena vermiciformis</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Lepocincelis</i> sp.	Sarcomastigophora	ES
protozoan, euglenoid	<i>Menoidium gibbum</i>	Sarcomastigophora	ES

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
protozoan, euglenoid	<i>Phacus acuminatus</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Phacus arnoldi</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Phacus helikoides</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Phacus pleuronectes</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Phacus pseudoonordstedii</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Phacus tortus</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Rhabdomonas</i> sp.	Sarcomastigophora	ES
protozoan, euglenoid	<i>Scytomonas</i> sp.	Sarcomastigophora	ES
protozoan, euglenoid	<i>Strombomonas gibberosa</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas armata</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas hispida</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas horrida</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas spiralis</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas superba</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas varians</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas volvocina minor</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Trachelomonas volvocina</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Urceolus ovatus</i>	Sarcomastigophora	ES
protozoan, euglenoid	<i>Urceolus sabulosus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo alexeieffii</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo amoebinus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo angustus</i> [= <i>Bodo saliens</i>]	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo caudatus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo celer</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo edax</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo fusiformis</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo globosa</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo minimus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo obovatus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo ovatus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo repens</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo rostratus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo saltans</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo triangularis</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo uncinatus</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Bodo variabilis</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Cercobodo</i> sp.	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Cercomonas crassicauda</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Cercomonas longicauda</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Colponema toxodes</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Pleuromonas jaculans</i>	Sarcomastigophora	ES
protozoan, kinetoplastid	<i>Rhynchomonas nasuta</i>	Sarcomastigophora	ES
protozoan, stalked ciliated	<i>Vaginicola</i> sp.	Ciliophora	ES
protozoan, stalked ciliated	<i>Vorticella campanula</i>	Ciliophora	ES
protozoan, stalked ciliated	<i>Vorticella microstoma</i>	Ciliophora	ES
protozoan, stalked ciliated	<i>Vorticella picta</i>	Ciliophora	ES
protozoan, stalked ciliated	<i>Vorticella striata</i>	Ciliophora	ES
protozoan, stalked ciliated	<i>Zoothamnium</i> sp.	Ciliophora	ES
protozoan, volvocean	<i>Carteria globosa</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas excavata</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas globosa</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas gracilis</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas monadina</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas reinhardtii</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlamydomonas subsymmetrica</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlorogonium elongatum</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlorogonium euchlorum</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Chlorogonium hyalinum</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Pandorina morum</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Phacotus lenticularis</i>	Sarcomastigophora	ES
protozoan, volvocean	<i>Pteromonas</i> sp.	Sarcomastigophora	ES
psylla, pear	<i>Cacopsylla pyricola</i>	Arthropoda	CK
purple, red-spotted	<i>Limenitis arthemis astyanax</i>	Arthropoda	CK
question-mark	<i>Polygona interrogationis</i>	Arthropoda	CK
rams-horn, two-ridge	<i>Helisoma anceps anceps</i>	Mollusca	ES
rotifer	<i>Ascomorpha ecaudis</i>	Rotifera	ES
rotifer	<i>Asplanchna priodonta</i>	Rotifera	ES
rotifer	<i>Brachionus angularis</i>	Rotifera	ES

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
rotifer	<i>Brachionus bidentata</i>	Rotifera	ES
rotifer	<i>Brachionus calyciflorus</i>	Rotifera	ES
rotifer	<i>Brachionus caudatus</i>	Rotifera	ES
rotifer	<i>Brachionus havanaensis</i>	Rotifera	ES
rotifer	<i>Brachionus quadridentatus</i>	Rotifera	ES
rotifer	<i>Brachionus urceolaris</i>	Rotifera	ES
rotifer	<i>Conochilus</i> sp.	Rotifera	LE
rotifer	<i>Euchlanis parva</i>	Rotifera	ES
rotifer	<i>Filinia</i> sp.	Rotifera	ES
rotifer	<i>Floscularia</i> sp.	Rotifera	ES
rotifer	<i>Kellicottia longispina</i>	Rotifera	ES
rotifer	<i>Keratella cochlearis</i> forma <i>tecta</i>	Rotifera	ES
rotifer	<i>Keratella cochlearis</i> forma <i>typica</i>	Rotifera	ES
rotifer	<i>Keratella quadrata</i>	Rotifera	ES
rotifer	<i>Lecane luna</i>	Rotifera	ES
rotifer	<i>Philodina</i> sp.	Rotifera	ES
rotifer	<i>Platylas patulus</i>	Rotifera	ES
rotifer	<i>Ploesoma hudsoni</i>	Rotifera	ES
rotifer	<i>Polyarthra dolichoptera</i>	Rotifera	ES
rotifer	<i>Polyarthra remata</i>	Rotifera	ES
rotifer	<i>Rotaria neptunia</i>	Rotifera	ES
rotifer	<i>Sinantherna</i> sp.	Rotifera	ES
rotifer	<i>Sychaeta kitina</i>	Rotifera	ES
rotifer	<i>Sychaeta stylata</i>	Rotifera	ES
rotifer	<i>Trichocerca multicrinis</i>	Rotifera	ES
rotifer	<i>Trichotria tetractis</i>	Rotifera	ES
roundworm	<i>Criconemoides</i> sp.	Nematoda	ES
roundworm	<i>Dorylaimus</i> sp.	Nematoda	ES
roundworm	<i>Tobrilus</i> sp.	Nematoda	ES
sandshell, black	<i>Ligumia recta</i>	Mollusca	LE
satyr, little wood	<i>Megisto cymela</i>	Arthropoda	CK
sawfly	tenthredinid sp.	Arthropoda	CK
sawfly, horntail	<i>Tremex</i> sp. ?	Arthropoda	CK
scale, San Jose	<i>Quadraspidiotus perniciosus</i>	Arthropoda	CK
scorpionfly, common	<i>Panorpa helena</i> ?	Arthropoda	CK
shrimp, Mississippi glass	<i>Palaemonetes kadiakensis</i>	Arthropoda	ES
shrimp, seed	<i>Candona simpsoni</i>	Arthropoda	ES
shrimp, seed	<i>Cypria ophthalmica</i>	Arthropoda	ES
shrimp, seed	<i>Cypria pellucida</i>	Arthropoda	ES
shrimp, seed	<i>Cypridopsis vidua</i>	Arthropoda	ES
shrimp, seed	<i>Darwinula stevensoni</i>	Arthropoda	ES
shrimp, seed	<i>Pelocypris</i> sp.	Arthropoda	ES
shrimp, seed	<i>Physocypria pustulosa</i>	Arthropoda	ES
sideswimmer	<i>Crangonyx gracilis</i>	Arthropoda	ES
sideswimmer	<i>Gammarus fasciatus</i>	Arthropoda	ES
sideswimmer	<i>Gammarus pseudolimnaeus</i>	Arthropoda	ES
sideswimmer	<i>Hyalella azteca</i>	Arthropoda	ES
silverfish	lepidmatid sp.	Arthropoda	CK
skimmer, spotted or calico pennant	<i>Celithemis elisa</i>	Arthropoda	CK,TR
skimmer, common white-tailed	<i>Plathemis lydia</i>	Arthropoda	CK,TR
skimmer, eastern amber-winged	<i>Perithemis tenera</i>	Arthropoda	CK,ES,TR
skimmer, globe	<i>Pantala hymenea</i>	Arthropoda	CK,ES,TR
skimmer, raggedy	<i>Tramea lacerata</i>	Arthropoda	TR
skimmer, red	<i>Sympetrum rubicundulum</i>	Arthropoda	TR
skimmer, red	<i>Sympetrum semicinctum</i>	Arthropoda	TR
skimmer, river	<i>Macromia illinoensis</i>	Arthropoda	TR
skimmer, river	<i>Macromia taeniolata</i>	Arthropoda	TR
skimmer, royal	<i>Epitheca princeps</i>	Arthropoda	ES
skimmer, whitefaced	<i>Leucorrhinia</i> sp.	Arthropoda	ES
skimmer, yellow	<i>Pantala flavescens</i>	Arthropoda	TR
skipper, common sootywing	<i>Pholisora catullus</i>	Arthropoda	CK
skipper, silver-spotted	<i>Epargyreus clarus</i>	Arthropoda	CK
skipper, southern golden	<i>Poanes zabulon</i>	Arthropoda	CK
skipper, wild indigo duskywing	<i>Erynnis baptisiae</i>	Arthropoda	CK
snail, Japanese mystery	<i>Cipangopaludina japonicus</i>	Mollusca	ES
sowbug, aquatic	<i>Asellus</i> sp. [= <i>Caecidotea</i> sp.]	Arthropoda	ES
sowbug, aquatic	<i>Caecidotea racovitzai racovitzai</i>	Arthropoda	ES
spider, ambush	<i>Ero canionis</i>	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
spider, American house	<i>Achaearanea tepidariorum</i>	Arthropoda	CK
spider, black & yellow garden	<i>Argiope aurantia</i>	Arthropoda	CK
spider, cellar	<i>Pholcus phalangioides</i>	Arthropoda	CK
spider, comb-footed	<i>Crustulina altera</i>	Arthropoda	CK
spider, comb-footed	<i>Steatoda borealis</i>	Arthropoda	CK
spider, comb-footed	<i>Steatoda triangulosa</i>	Arthropoda	CK
spider, comb-footed	<i>Theridion frondeum</i>	Arthropoda	CK
spider, crab	<i>Coriarachne versicolor?</i>	Arthropoda	CK
spider, crab	<i>Misumenoides formosipes</i>	Arthropoda	CK
spider, crab	<i>Misumenops asperatus?</i>	Arthropoda	CK
spider, crab	<i>Philodromus keyserlingi</i>	Arthropoda	CK
spider, crab	<i>Philodromus vulgaris</i>	Arthropoda	CK
spider, crab	<i>Tmarus angulatus</i>	Arthropoda	CK
spider, crab	<i>Xysticus elegans</i>	Arthropoda	CK
spider, crab	<i>Xysticus ferox</i>	Arthropoda	CK
spider, crab	<i>Xysticus funestus</i>	Arthropoda	CK
spider, dwarf	<i>Ceraticelus fissiceps</i>	Arthropoda	CK
spider, grass	<i>Agelenopsis pennsylvanica</i>	Arthropoda	CK
spider, hammock	<i>Pityohyphantes costatus</i>	Arthropoda	CK
spider, hunting	<i>Anyphaena celer</i>	Arthropoda	CK
spider, jumping	<i>Eris militaris</i>	Arthropoda	CK
spider, jumping	<i>Habrocestum pulex</i>	Arthropoda	CK
spider, jumping	<i>Maevia inclemens?</i>	Arthropoda	CK
spider, jumping	<i>Metaphidippus</i> sp.	Arthropoda	CK
spider, jumping	<i>Phidippus audax</i>	Arthropoda	CK
spider, jumping	<i>Phidippus clarus</i>	Arthropoda	CK
spider, jumping	<i>Phidippus whitmani</i>	Arthropoda	CK
spider, jumping	<i>Platycryptus undatus</i>	Arthropoda	CK
spider, jumping	<i>Salticus scenicus</i>	Arthropoda	CK
spider, jumping	<i>Sitticus</i> sp.	Arthropoda	CK
spider, jumping	<i>Tutelina elegans</i>	Arthropoda	CK
spider, nursery web	<i>Dolomedes tenebrosus?</i>	Arthropoda	CK
spider, nursery web	<i>Pisaurina mira</i>	Arthropoda	CK
spider, parson	<i>Herpyllus ecclesiasticus</i>	Arthropoda	CK
spider, sac	<i>Agroeca pratensis?</i>	Arthropoda	ES
spider, sac	<i>Castianeira cingulata</i>	Arthropoda	CK
spider, sac	<i>Cheiracanthium mildei</i>	Arthropoda	CK
spider, sac	<i>Clubiona</i> sp.	Arthropoda	CK
spider, sac	<i>Clubionoides excepta?</i>	Arthropoda	CK
spider, sac	<i>Trachelas tranquillus</i>	Arthropoda	CK
spider, stilt-legged	<i>Tetragnatha elongata</i>	Arthropoda	CK
spider, thin-legged wolf	<i>Pardosa moesta?</i>	Arthropoda	CK
spider, wolf	<i>Allocosa funerea</i>	Arthropoda	CK
spider, wolf	<i>Alopecosa aculeata?</i>	Arthropoda	CK
spider, wolf	<i>Hogna helluo</i>	Arthropoda	CK
spider, wolf	<i>Hogna rabida</i>	Arthropoda	ES
spider, wolf	<i>Pardosa milvina</i>	Arthropoda	CK
spider, wolf	<i>Pardosa saxatilis</i>	Arthropoda	CK
spider, wolf	<i>Pirata minutus?</i>	Arthropoda	CK
spider, wolf	<i>Schizocosa avida</i>	Arthropoda	CK
spider, wolf	<i>Schizocosa ocreata</i>	Arthropoda	CK
spike	<i>Elliptio dilatata</i>	Mollusca	LE,TR
spittlebug, meadow	<i>Philaenus spumarius</i>	Arthropoda	CK
sponge, freshwater	<i>Eunapius fragilis</i>	Porifera	LE
spongillafly	<i>Climacia</i> sp.	Arthropoda	LE,TR
spot, American ruby	<i>Hetaerina americana</i>	Arthropoda	ES
spreadwing, marsh	<i>Lestes forcipatus</i>	Arthropoda	TR
springtail	entomobryid sp. & isotomid sp.	Arthropoda	CK,ES
stonefly	<i>Acroneuria</i> sp.	Arthropoda	TR
stonefly	<i>Neoperla</i> sp.	Arthropoda	TR
stonefly	<i>Paragnetina</i> sp.	Arthropoda	CK,TR
stonefly	<i>Perlesta</i> sp.	Arthropoda	TR
stonefly	<i>Perlinella</i> sp.	Arthropoda	TR
stonefly, broadback	nemourid sp. & taeniopterygid sp.	Arthropoda	CK
stonefly, great	<i>Neophasganophora</i> sp.	Arthropoda	TR
stonefly, green	chloroperlid sp.	Arthropoda	CK
stonefly, green-winged	<i>Isoperla duplicata</i>	Arthropoda	CK
stonefly, spring	<i>Allocapina recta</i>	Arthropoda	CK

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
stonefly, spring	<i>Allocapina vivapara</i>	Arthropoda	CK
sulfur, common	<i>Colias philodice</i>	Arthropoda	CK
sulfur, orange	<i>Colias eurytheme</i>	Arthropoda	CK
swallowtail, black	<i>Papilio polyxenes asterius</i>	Arthropoda	CK
swallowtail, giant	<i>Papilio cresphontes</i>	Arthropoda	CK
swallowtail, pipevine	<i>Battus philenor</i>	Arthropoda	CK
swallowtail, spicebush	<i>Papilio troilus</i>	Arthropoda	CK
swallowtail, tiger	<i>Papilio glaucus</i>	Arthropoda	CK
termite, eastern subterranean	<i>Reticulitermes flavipes</i>	Arthropoda	CK
threeridge	<i>Amblyma plicata plicata</i>	Mollusca	LE
thrips	thripid sp.	Arthropoda	ES
thrips, banded	aelothripid sp.	Arthropoda	CK
thrips, mullin	phlaeothripid sp.	Arthropoda	CK
tortoise shell, Milbert's	<i>Nymphalis milberti</i>	Arthropoda	CK
treehopper	membracid sp.	Arthropoda	CK,ES
viceroy	<i>Limenitis archippus</i>	Arthropoda	CK
wartyback, purple	<i>Cyclonaias tuberculata</i>	Mollusca	LE
wasp, braconid	braconid sp.	Arthropoda	CK
wasp, chalcid seed	eurytomid sp.	Arthropoda	CK
wasp, cicada killer	<i>Sphecius speciosus</i>	Arthropoda	CK
wasp, cuckoo	chrysidid sp.	Arthropoda	CK
wasp, ensign	evaniid sp.	Arthropoda	ES
wasp, ichneumon	ichneumonid sp.	Arthropoda	CK,ES
wasp, ichneumon	<i>Megarhyssa</i> sp.?	Arthropoda	CK
wasp, paper	polistid sp.	Arthropoda	CK
wasp, parasitic	proctotrupid sp.	Arthropoda	CK
wasp, parasitic	torymid sp.	Arthropoda	CK
wasp, picnic	<i>Vespula germanica</i>	Arthropoda	CK
wasp, potter	<i>Eumenes</i> sp.?	Arthropoda	CK
wasp, potter	<i>Monobia</i> sp.?	Arthropoda	CK
wasp, thread-waisted	<i>Chalybion</i> sp.?	Arthropoda	CK
wasp, tiphiid	tiphiid sp.	Arthropoda	CK,ES
wasp, yellowjacket	<i>Vespula maculifrons</i> ?	Arthropoda	CK
water bear	macrobiotid sp.	Tardigrada	ES
water boatman	<i>Corisella inscripta</i>	Arthropoda	ES
water boatman	<i>Hesperocorixa lucida</i>	Arthropoda	ES
water boatman	<i>Hesperocorixa</i> sp.	Arthropoda	TR
water boatman	<i>Palmacorixa buenoi</i>	Arthropoda	ES
water boatman	<i>Palmacorixa nana</i>	Arthropoda	ES
water boatman	<i>Palmacorixa</i> sp.	Arthropoda	ES
water boatman	<i>Sigara alternata</i>	Arthropoda	ES
water boatman	<i>Sigara modesta</i>	Arthropoda	ES
water boatman	<i>Sigara</i> sp.	Arthropoda	CK,ES,TR
water boatman	<i>Trichocorixa calva</i>	Arthropoda	ES
water boatman	<i>Trichocorixa kanza</i>	Arthropoda	ES
water boatman	<i>Trichocorixa</i> sp.	Arthropoda	CK,ES
water bug, creeping	<i>Pelocoris</i> sp.	Arthropoda	ES
water flea	<i>Alona barbulate</i> ?	Arthropoda	CK,ES
water flea	<i>Alona</i> cf. <i>circumfimbriata</i>	Arthropoda	CK
water flea	<i>Alona costata</i>	Arthropoda	ES
water flea	<i>Alona guttata</i>	Arthropoda	ES
water flea	<i>Alona quadrangularis</i>	Arthropoda	CK,ES,LE
water flea	<i>Alonella excisa</i> [<i>Alonella exigua</i> ?]	Arthropoda	ES
water flea	<i>Alonella hamulata</i>	Arthropoda	CK,ES
water flea	<i>Alonella nana</i>	Arthropoda	ES
water flea	<i>Alonella setulosa</i>	Arthropoda	ES,LE
water flea	<i>Bosmina longirostris</i>	Arthropoda	ES
water flea	<i>Ceriodaphnia lacustris</i>	Arthropoda	CK,ES
water flea	<i>Ceriodaphnia quadrangula</i>	Arthropoda	ES
water flea	<i>Ceriodaphnia reticulata</i>	Arthropoda	ES
water flea	<i>Chydorus sphaericus</i>	Arthropoda	ES
water flea	<i>Daphnia catawba</i>	Arthropoda	LE
water flea	<i>Daphnia galeata mendotae</i>	Arthropoda	CK,ES,LE
water flea	<i>Daphnia parvula</i>	Arthropoda	CK,LE
water flea	<i>Daphnia retrocurva</i>	Arthropoda	CK,ES,LE
water flea	<i>Diaphanosoma birgei</i>	Arthropoda	CK,ES,LE
water flea	<i>Disparalona leei</i>	Arthropoda	CK,ES,LE
water flea	<i>Eubosmina coregoni</i>	Arthropoda	CK,ES,LE

COMMON NAME	SCIENTIFIC NAME	PHYLUM	LOCATION
water flea	<i>Ilyocryptus sordidus</i>	Arthropoda	CK,ES,LE
water flea	<i>Latona setifera</i>	Arthropoda	ES
water flea	<i>Leydigia acanthocercoides</i>	Arthropoda	ES
water flea	<i>Leydigia leydigi</i>	Arthropoda	CK,ES,LE
water flea	<i>Macrothrix laticornis</i>	Arthropoda	CK,ES
water flea	<i>Moina micrura</i>	Arthropoda	CK,ES
water flea	<i>Pleuroxus cf. denticulatus</i>	Arthropoda	CK,ES
water flea	<i>Pleuroxus procurvus</i>	Arthropoda	CK,ES
water flea	<i>Pseudochydorus globosus</i>	Arthropoda	CK,ES
water flea	<i>Scapholeberis kingi</i>	Arthropoda	ES
water flea	<i>Scapholeberis mucronata</i>	Arthropoda	ES
water flea	<i>Sida crystallina</i>	Arthropoda	ES
water flea	<i>Simocephalus serrulatus</i>	Arthropoda	CK,ES
water flea, large	<i>Leptodora kindtii</i>	Arthropoda	LE
water flea, spiny	<i>Bythotrephes cederstroemi</i>	Arthropoda	LE
water measurer	<i>Hydrometra martini</i>	Arthropoda	ES
water measurer	<i>Hydrometra sp.</i>	Arthropoda	CK
water scorpion	<i>Ranatra fusca</i>	Arthropoda	ES
water scorpion	<i>Ranatra nigra</i>	Arthropoda	ES
water scorpion, oval	<i>Nepa sp.</i>	Arthropoda	TR
water scorpion, sticklike	<i>Ranatra sp.</i>	Arthropoda	ES,TR
water strider	<i>Aquarius sp.</i>	Arthropoda	TR
water strider	<i>Gerris buenoi</i>	Arthropoda	ES
water strider	<i>Gerris canaliculatus</i>	Arthropoda	ES
water strider	<i>Gerris comatus</i>	Arthropoda	ES
water strider	<i>Gerris marginatus</i>	Arthropoda	ES
water strider	<i>Gerris remigis</i>	Arthropoda	ES
water strider	<i>Metrobates hesperius</i>	Arthropoda	TR
water strider	<i>Rheumatobates sp.</i>	Arthropoda	TR
water strider	<i>Trepobates sp.</i>	Arthropoda	CK,ES,TR
water strider, small	<i>Microvelia sp.?</i>	Arthropoda	CK,TR
water strider, small	<i>Rhagovelia sp.</i>	Arthropoda	CK,TR
water treader	<i>Mesovelia muisantii</i>	Arthropoda	ES
water treader	<i>Mesovelia sp.</i>	Arthropoda	ES
weaver, funnel web	<i>Cicurina robusta</i>	Arthropoda	CK
weaver, funnel web	<i>Coras medicinalis</i>	Arthropoda	CK
weaver, long-jawed orb	<i>Tetragnatha laboriosa</i>	Arthropoda	CK
weaver, loose-web	<i>Cicurina pallida</i>	Arthropoda	CK
weaver, loose-web	<i>Dictynia annulipes</i>	Arthropoda	CK
weaver, marbled orb	<i>Araneus marmoreus</i>	Arthropoda	CK
weaver, orb	<i>Araneus trifolium</i>	Arthropoda	CK
weaver, orb	<i>Cyclosa conica</i>	Arthropoda	CK
weaver, orb	<i>Eustala anastera</i>	Arthropoda	CK
weaver, orb	<i>Gea heptagon</i>	Arthropoda	CK
weaver, orb	<i>Mangora placida</i>	Arthropoda	CK
weaver, orb	<i>Micrathena gracilis</i>	Arthropoda	CK
weaver, orb	<i>Neoscona crucifera</i>	Arthropoda	CK
weaver, orb	<i>Verrucosa arenata</i>	Arthropoda	CK
weaver, sheet-web	<i>Atopogyna cornupallis</i>	Arthropoda	CK
weaver, sheet-web	<i>Bathypantes sp.?</i>	Arthropoda	CK
weaver, sheet-web	<i>Frontinella pyramitela</i>	Arthropoda	CK
weaver, sheet-web	<i>Leptyphantes zebra</i>	Arthropoda	CK
weaver, sheet-web	<i>Meioneta unimaculata</i>	Arthropoda	CK
weaver, sheet-web	<i>Neriene radiata?</i> [or <i>Microlin sp.</i>]	Arthropoda	CK
weaver, thread-web	<i>Callobius sp.?</i>	Arthropoda	CK
webworm, fall	<i>Hyphantria cunea</i>	Arthropoda	CK
weevil	curculionid sp.	Arthropoda	CK
weevil	<i>Hyperodes sp.</i>	Arthropoda	TR
weevil, billbug	<i>Sphenophorus sp.</i>	Arthropoda	TR
weevil, broad-nosed	brachyrhinin sp.	Arthropoda	CK
weevil, chestnut	<i>Curculio sp.</i>	Arthropoda	CK
weevil, nut	<i>Curculio sp.</i>	Arthropoda	CK
wood nymph, common	<i>Cercyonis pegala</i>	Arthropoda	CK
woolybear, banded	<i>Isia isabella</i>	Arthropoda	CK
worm, naidid	<i>Amphichaeta leydigii</i>	Annelida	ES
worm, naidid	<i>Chaetogaster diaphanus</i>	Annelida	ES
worm, naidid	<i>Chaetogaster diastrophus?</i>	Annelida	ES
worm, naidid	<i>Chaetogaster limnaei</i>	Annelida	ES

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worm, naidid	<i>Dero nivea</i>	Annelida	ES
worm, naidid	<i>Dero trifida?</i>	Annelida	ES
worm, naidid	<i>Dero vaga [=Auloporus vaga]</i>	Annelida	ES
worm, naidid	<i>Haemonais waldvogeli</i>	Annelida	ES
worm, naidid	<i>Nais barbata</i>	Annelida	ES
worm, naidid	<i>Nais communis</i>	Annelida	ES
worm, naidid	<i>Nais elinguis</i>	Annelida	ES
worm, naidid	<i>Nais pardalis</i>	Annelida	ES
worm, naidid	<i>Nais pseudobtusa</i>	Annelida	ES
worm, naidid	<i>Nais variabilis</i>	Annelida	ES
worm, naidid	<i>Ophidonais serpentina</i>	Annelida	ES
worm, naidid	<i>Pristina longiseta longiseta</i>	Annelida	ES
worm, naidid	<i>Pristina sima?</i>	Annelida	ES
worm, naidid	<i>Pristinaella osborni</i>	Annelida	ES
worm, naidid	<i>Pristinella acuminata?</i>	Annelida	ES
worm, naidid	<i>Pristinella jenkinæ</i>	Annelida	ES
worm, naidid	<i>Vejdovskyella comata</i>	Annelida	ES
worm, naidid	<i>Vejdovskyella intermedia</i>	Annelida	ES
worm, tubificid	<i>Aulodrilus limnobius</i>	Annelida	ES
worm, tubificid	<i>Aulodrilus pigueti</i>	Annelida	ES
worm, tubificid	<i>Aulodrilus pluriseta</i>	Annelida	ES
worm, tubificid	<i>Branchirua sowerbyi</i>	Annelida	ES
worm, tubificid	<i>Ilyodrilus templetoni</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus cervix</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus claparedeianus</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus hoffmeisteri</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus maumeensis</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus profundicola</i>	Annelida	ES
worm, tubificid	<i>Limnodrilus udekemianus</i>	Annelida	ES
worm, tubificid	<i>Quistadrilus multisetosus</i>	Annelida	ES
worm, tubificid	<i>Rhyacodrilus coccineus</i>	Annelida	ES
worm, tubificid	<i>Teimatodrilus sp.?</i>	Annelida	ES
yellowpatch or Peck's skipper	<i>Polites coras [=Polites peckius]</i>	Arthropoda	CK

LOCATION CODES:

- CK - Old Woman Creek watershed upstream of the estuary
- ES - Old Woman Creek Estuary (including watershed within boundaries of NERR)
- LE - Lake Erie, principally nearshore waters of Erie County and western Lorain County, Ohio
- TR - Tributary watersheds to Lake Erie other than Old Woman Creek, principally of eastern Erie County and western Lorain County, Ohio