



**Invertebrates of  
Bombay Hook National Wildlife Refuge  
2591 Whitehall Neck Road  
Smyrna, Delaware 19977  
302-653-9345**

**A Partial List**

## Terrestrial invertebrates

<u>Insect Order - common name</u>	<u>Family</u>	<u>Genus/Species</u>
<u>Orthoptera</u>		
Praying mantis	Mantidae	Mantis religiosa
Field crickets	Gryllidae	
Slant-faced grasshopper	Acrididae	
Meadow grasshopper	Tettigoniidae	
Long-horned grasshopper	Tettigoniidae	
Short-horned grasshopper	Acrididae	
Pygmy grasshopper	Tetrigidae	
Cockroach	Blattidae	
Katydid	Tettigoniidae	
<u>Plasimida</u>		
Walking stick	Phasmatidae	
<u>Homoptera</u>		
Tree hoppers	Membracidae	
Leaf hoppers	Cicadellidae	
Aphids	Aphidae	
Cicada	Cicadidae	
Spittle bug	Cercopidae	
<u>Hemiptera</u>		
Stink bug	Pentatomidae	
Seed bug	Lygaeidae	
Wheel bug	Reduviidae	
Assassin bug	Reduviidae	
Milkweed bug	Lygaeidae	
Ambush bug	Phymatidae	
Toad bug	Gelastocoridae	
Bed bug	Cimicidae	
<u>Coleoptera</u>		
Ground beetle	Carabidae	
Rhinoceros beetle	Scarabaeidae	
Milkweed beetle	Chrysomelidae	Labidomera clivicollis
Click beetle	Elateridae	
Lady bird beetle	Coccinellidae	
June beetle	Scarabaeidae	
Potato beetle	Chrysomelidae	
Tiger beetle	Cicindelidae	
Engraver beetle	Scolytidae	
Black carpet beetle	Dermestidae	
Horn beetle	Passalidae	
Weevil	Curculionidae	
Wood borer	Buprestidae	
<u>Isoptera</u>		
Termites	Rhinotermitidae	



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### Genus/Species

#### Lepidoptera

Viceroy butterfly	Nymphalidae	Basilarchia archippus
Mourning cloak butterfly	Nymphalidae	Nymphalis antiopa
Monarch butterfly	Danaidae	Danaus plexippus
Zebra swallowtail butterfly	Papilionidae	Eurytides marcellus
Black swallowtail	Papilionidae	Papilio polyxenes
Tiger swallowtail	Papilionidae	Pterourus glaucus
Yellow swallowtail	Papilionidae	Marchellus
Painted lady		Cynthia virginiensis
Red Admiral	Mymphalidae	Vanessa atalanta
Cabbage butterfly	Pieridae	Pieris spp.
Sulphur butterfly	Pieridae	Colias philodice
Cloudless sulfer	Pieridae	Phoebis sennae
White butterfly	Pieridae	
Salt marsh skipper	Hesperiidae	Panoquina panoquin
Spring azure	Lycaenidae	Celastrina ladon
Luna moth	Saturniidae	Actias luna
Regal moth	Saturniidae	Citheronia regalis
Polyphemus moth	Saturniidae	Antheraea Polyphemus
Eastern tiger	Archtiidae	
Sphinx moth - Pandora Sphinx	Sphingidae	Eumorha pandorus
Imperial moth	Saturniidae	Eacles imperialis
Cecropia moth	Saturniidae	Hyalophora cecropia
Gypsy moth	Lymantriidae	Lymantria dispar
Isabella moth	Pyrrharctia	Isabella
Inch worm-cabbage looper moth caterpillar	Noctuidae	Trichoplusia ni
Banded woollybear caterpillar	Notodontidae	Isia isabella
<u>Hymenoptera</u>		
Honey bee	Apidae	Apis mellifera
Bumble bee	Apidae	Bombus fervidus
Yellow jacket	Vespidae	Dolichovespula arenaria
Bald-faced hornet	Vespidae	Vespula maculata
Paper wasp	Vespidae	Polistes exclamans
Cuckoo wasp	Chrysididae	Trichrysis tridens
Mud dauber	Sphecidae	Sceliphron caementarium
Ants	Formicidae	
Velvet ant	Mutillidae	Dasymutilla bioculata



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#### Diptera

Sheep fly

Green head fly

Deer fly

House fly

Horse fly

Syrphid fly

Crane fly

Gnats

Fungus gnat

#### Megaloptera

Dobsonfly

#### Collembola

Springtails

#### Class - Chilopoda

#### Order - Scutigromorpha

Centipede

#### Class - Diplopoda

#### Order - Julida

Millipede

#### Arthropods

#### Acarina

Water mites

Chiggers

Ticks

soft

hard (deer and dog)

#### Isopoda

Pill bug

Isopod

#### Annelida - phylum

#### Megadrili

Earthworms

Nematodes

#### Phalangida (spiders)

Daddy longlegs

#### Araneae

Wolf spider

Black and Yellow garden spider

Black widow spider



Oestridae

Tabanidae

Tabanidae

Muscidae

Tabanidae

Syrphidae

Tipulidae

Heleidae

Mycetophilidae

Sialidae

Sminthuridae

Scutigridae

Julidae

Hydrachnellae

Trombiculidae

Argasidae

Ixodidae

Armadillidae

Oniscidae

Oligochaeta - Lumbricidae

Phalangiidae

Lycosidae

Araneidae

Theridiidae

Oestrus ovis

Tabanus americanus

Chrysops flavidus

Musca domestica

Tabanus punctifer

Tipula spp.

Mycetophila spp.

Corydalus cornutus

Sminthurus minutus

Scutigera coleoptrata

Julus spp.

Limnochares americana

Trombicula irritans

Dermacentor spp. - dog

Ixodes dammini - deer



## Aquatic invertebrates

### Insect Order - common name

### Family

### Genus/Species

#### Odonata

Dragonfly  
Common skimmer

Coenagrionidae  
Libellulidae

#### Ephemeroptera

Mayfly  
Damselfly  
Narrow-winged damselfly  
Darner

Several families  
Several families  
Coenagrionida  
Aeschnidae



#### Hemiptera

Water boatman  
Backswimmer  
Ferocious waterbug  
Creeping waterbug  
Giant water bug  
Toad bug

Corixidae  
Notonectidae  
Belostomatidae  
Naucoridae  
Belostomatidae  
Gelastocoridae

Corixa spp.  
Notonecta undulata  
Abedus spp.  
  
Lethocerus americanus  
Gelastocoris spp.

#### Coleoptera

Whirligig beetle  
  
Diving beetle  
Water scavenger beetle  
Crawling water beetle  
Water strider  
Water scorpion  
Freshwater marsh mosquito  
Saltmarsh mosquito

Gyrinidae  
  
Dytiscidae  
Hydrophilidae  
Halipplidae  
Gerridae  
Nepidae  
Culicidae  
Culicidae

Large - Dineutes spp.  
Small - Gyrimus spp.  
  
  
  
Hydrophilus obtusatus  
  
Gerris remigis  
Ranatra fusca

#### Coelenterates

Sea nettle  
Moon jellyfish  
Comb jelly

Medusae  
Medusae

Chrysaora quinquecirrha  
Aurelia aurita  
Bolinopsis infundibulum

#### Mollusks

Eastern oyster  
Bay Barnacle  
N. Rock barnacle  
Channeled whelk  
Knobbed whelk  
Northern quahog

Busyconidae  
Busyconidae  
Veneridae

Crassostrea virginica  
Balanus improvisus  
Balanus balanoides  
Busycotypus canaliculatum  
Busycotypus aruanum  
Merceneria mercenaria

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#### Gastropoda

Slug

Coffee-bean or Salt marsh snail

Freshwater snail

Periwinkle snail

Marsh crab

Blue crab

Fiddler crab



Sesarma reticulatum

Callinectes sapidus (gs)

Uca pugilator, pugnax, and minox

#### Bivalva

Freshwater clam - order Veneroida

Hard-shell clam

Razor clam

Angel wing

Atlantic slippershell

Atlantic ribbed mussels

Blue mussels

Sphaeriidae

Sphaerium solidulum

Pitar morrhuana

Ensis directus

Cyrtopleura costata

Crepidula fornicata

Geogensia demissa

Mytilus edulis



#### Arthropods

Shore shrimp

Grass shrimp

Mysid shrimp

Amphipods

Isopods

Copepods

Crayfish

Water mites

Horseshoe crabs

Gammaridae

Palaemonetes Spp.

Palaemonetes Spp.

Asellidae

Gammarus fasciatus

Asellus communis

Astacidae

Cambarus bartoni

Hydryphantidae

Limulidae

Limulus polyphemus

#### Annelida

Leech

Glossiphoniidae

Placohdella parasitica

