



**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	



Terrestrial invertebrates

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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



Terrestrial invertebrates

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Genus/Species

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

Scutigeridae

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

