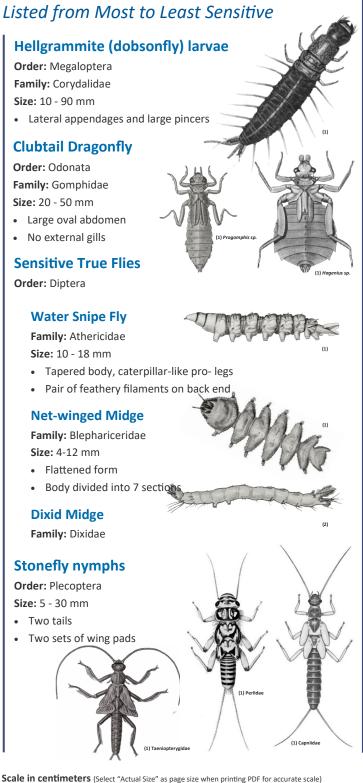
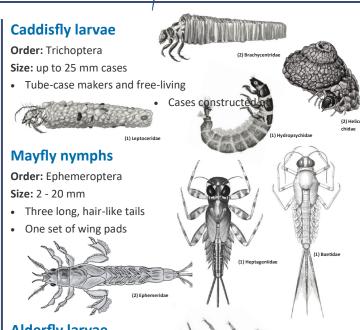
Benthic Macroinvertebrates







Alderfly larvae

Order: Megaloptera Family: Sialidae Size: 10 - 25 mm

· Lateral appendages Looks like a small hellgrammite larva

Scuds

Order: Amphipoda Size: 5 - 20 mm

Resembles tiny shrimp

Dragonfly nymphs

Order: Odonata Size: 10 - 40 mm

Large eyes

• Long oval abdomen

Beetles

Order: Coleoptera Size: 1 - 30 mm

Diverse in appearance

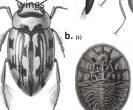
Adults have hardened bodies, shell-like

Pictured:

a. Riffle beetle larvae & adult Family: Elmidae

b. Diving beetle Family: Dytiscidae

c. Water penny beetle Family: Dytiscidae





Somewhat Sensitive True Flies Order: Diptera Black fly larvae Family: Simuliidae Size: 3 - 15 mm · Body bulbous at one end · Constricted in the middle **Crane fly larvae** Family: Tipulidae Size: 3 - 100 mm Plump, caterpillar-like body · No legs, small lobes at back end Midge larvae Family: Chironomidae Size: 2 - 10 mm Crayfish Order: Decapoda Size: up to 15 cm · Crustacean, resembles small lobster **Bivalves and Snails** Highly diverse, includes but not limited to: **Fingernail Clam** Class: Bivalvia Size: 2 - 10 mm · Thin shells, usually light colored Mussels Class: Bivalvia Size: 30 - 250 mm • Thick shells, usually oblong **Snails** Pictured: a. Left-handed snail Family: Physidae b. Right-handed snail Family: Viviparidae Damselfly nymphs* Order: Odonata Size: 13 - 40 mm Large eyes, slender body Three oar-like gills at end of To fit the content into the space, Damselflies and True Bugs were switched in the layout. At the taxonomic order level, Damselflies are slightly more tolerant than True Bug

References for Images:

- McCafferty, W.P. 1998. Aquatic Entomology. The Fisherman's and Ecologists Illustrated Guide to Insects and Their Relatives. Science Book International, Boston, MA.
- Voshell, J.R. 2002. A Guide to Common Freshwater Invertebrates of North America. The McDonald & Wood-ward Publishing Company, Blackburg, VA
- Kate Laramie. 2023. Sowbug. [graphite pencil]. Huron River Watershed Council. Ann Arbor, MI.

Size: 4 - 18 mm

Distinct head separate from thorax

Brushes on head and sides of mouth

Rat-tailed Maggot

Family: Syrphidae

Size: 4 - 16 mm w/o breathing tube

· Body fat, rounded

Long breathing tube at end of

Soldier Fly

Family: Stratiomyidae

Aquatic Worms

Class: Oligochaeta

Size: usually 1 - 30 mm, up to

150 mm

Leeches

Class: Hirudinea

Size: 1 - 450 mm fully extended

• External striations (stripes)



