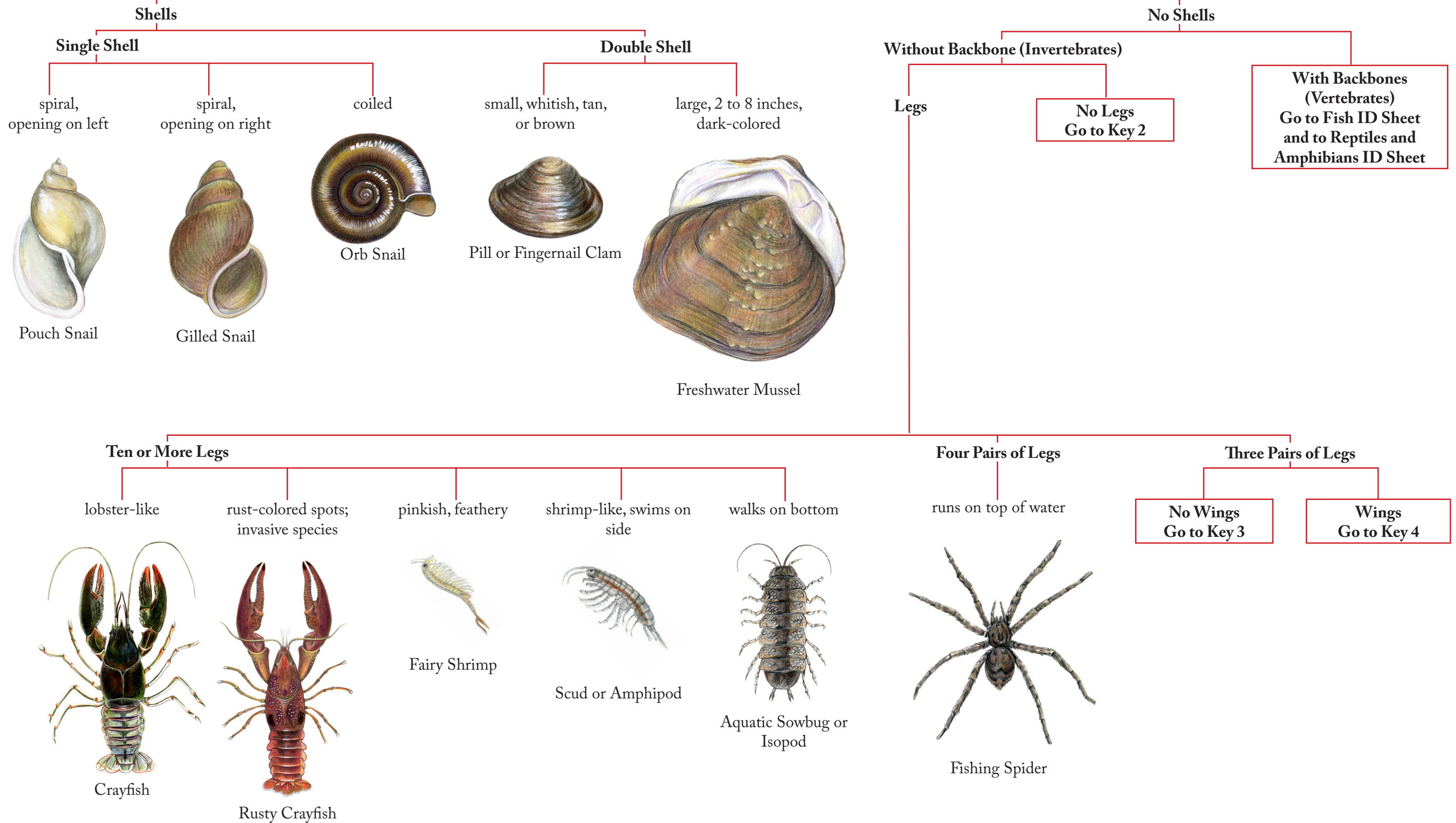


# Identification Key #1



## Identification Key #2

No Legs

**Microscopic**  
Go to Microscopic ID Sheet

Wormlike

With Tentacles, Brushes, or Tails

suckers, expands and contracts



ventral dorsal  
Leech

reddish brown



Tubiflex Worm

glides along bottom



Flatworm or Planaria

tan to brown, long



Horsehair Worm

small, hairlike, swims in S shape



Nematode or Threadworm

breathing tube at rear



Mosquito Larva

large head, wriggles



Mosquito Pupa

on surface, stiff, with tail disk



Soldier Fly Larva

long breathing tube



Rat-tailed Maggot Larva

smooth, stiff, small head



Horsefly Larva

red, green, or tan; twists



Midge Larva

white or grey, with tentacles



Cranefly Larva

big "head," active



Midge Pupa

small, black, attaches to rocks



Blackfly Larva

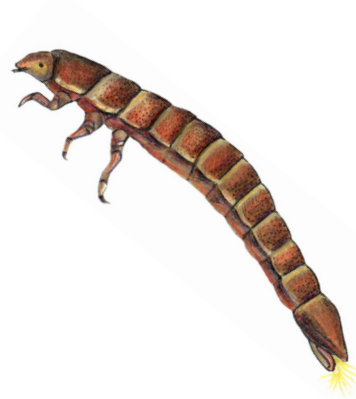


### Identification Key #3

No Wings (Wing Pads May Be Present)

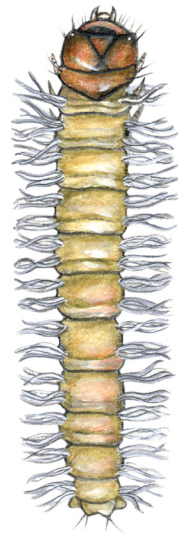
No Obvious Tails

brown, featherlike, usually six legs, C-shaped



Riffle Beetle Larva

six legs and prolegs on abdomen



Pyrallid Caterpillar

suction cup-like



Water Penny

large body, hinged mouth



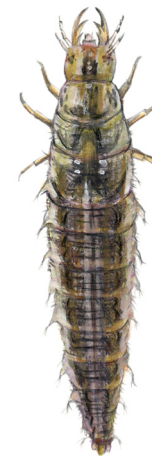
Dragonfly Larva

lives in stone case; green, tan, orange, or white body



Caddisfly Larva

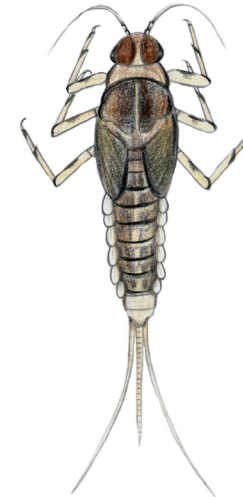
moves slowly; abdomen blunt, round on end; thick jaws



Water Scavenger Beetle Larva

One or Two Tails

long tails, gills on abdomen



Mayfly Larva

Three Tails

plate-like tails, no gills on abdomen



Damselfly Larva

small, "spines" on side



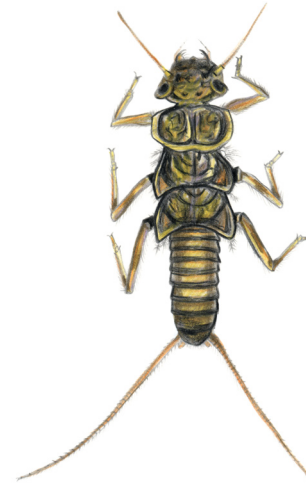
Alderfly Larva

large mouthparts, "spines" on side



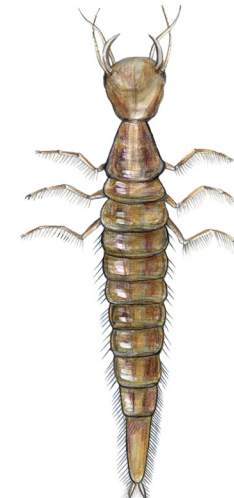
Dobsonfly Larva

tails long and stiff



Stonefly Larva

hangs from surface, large mouth parts



Predaceous Diving Beetle Larva

small, hops on surface



Springtail

# Identification Key #4

## Wings

### Leathery Wings

tan, lives on surface



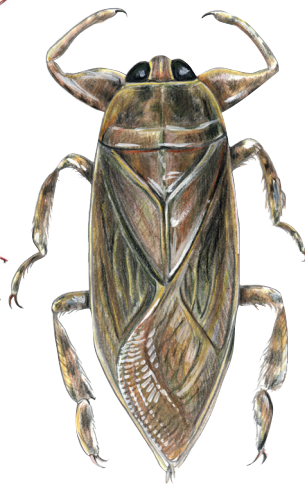
Marsh Treader

dark, lives on surface



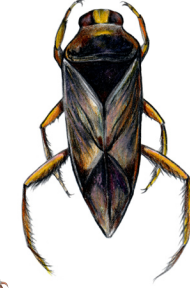
Water Strider

grasping front legs, up to three inches



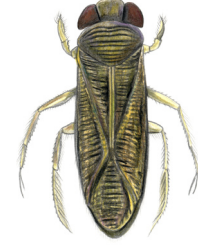
Giant Water Bug

swims on back, back white



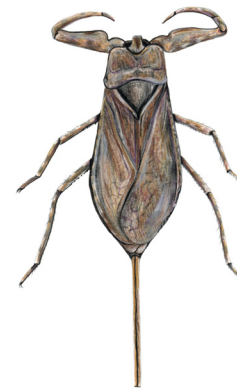
Backswimmer

swims right-side up, black back



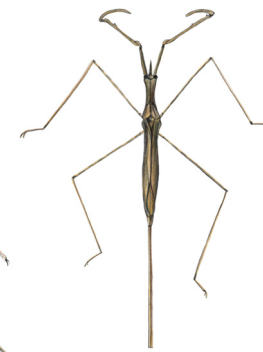
Water Boatman

long breathing tube, grasping front legs



Water Scorpion (*Nepa*)

long, stick-like



Water Scorpion (*Ranatra*)

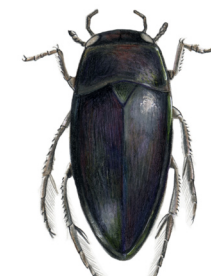
### Paper-like Wings

small, crawls on bottom



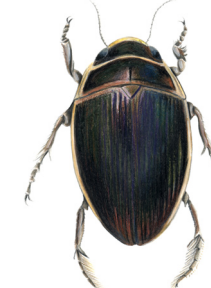
Riffle Beetle

swims moving hind legs alternating



Water Scavenger Beetle

back legs move at same time



Predaceous Diving Beetle

### Hard Shell Wings

swims on surface



Whirligig Beetle

“crawls” through water, spotted



dorsal



ventral

Crawling Water Beetle

elongate wing extends past abdomen



Alderfly Adult

mothlike; wings tent body



Caddisfly Adult

looks like giant mosquito



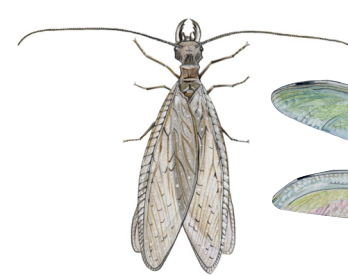
Cranefly Adult

wings extend above body



Damselfly Adult

elongate wing extends past abdomen



Dobsonfly Adult Female



Dobsonfly Adult Male (head)

abdomen long and stout



Dragonfly Adult

three long, thin tails



Mayfly Adult

large feathery antennae



Midge Adult

two thin tails



Stonefly Adult