SENSITIVE ORGANISMS
POLLUTION-SENSITIVE ORGANISMS TYPICALLY FOUND IN HEALTHY STREAMS

Mayfly: Order Ephemeroptera - Plate-like or feathery gills on sides of lower body (arrow); three (sometimes 2) long, hair-like tails; 1"; abundant; 11 families.

Stonfly: Order Plecoptera - Two hair-like tails; six jointed legs with two hooked tips each; big antennae; no gills on lower half of body (arrow); 1½"; abundant; 9 families.

Caddisfly: Order Trichoptera - Six jointed, hooked legs just behind head; 2 hooks at back end; may be in a case made of stones, leaves or sticks; non-netspinning caddisflies have no bushy gills along bottom; 1"; abundant; 20 families.

Water Penny: Order Coleoptera - Shaped like a tiny, grey, oblong frisbee; 6 tiny legs on bottom; slow crawler; ½"; common.

Hellgrammite and Fishfly: Order Megaloptera - Dark body; six jointed legs; large, pinching jaws; many pointed feelers along edge of body (arrow); two small hooks at back end; hellgrammites have feathery tufts of gills along side of body; 4"; rare.

Gilled Snail: Class Gastropoda - Shell opens on the right and is covered by a hard shield-like operculum; 1"; rare; 4 families.

MODERATELY-SENSITIVE ORGANISMS
MODERATELY POLLUTION-SENSITIVE ORGANISMS FOUND IN HEALTHY OR FAIR QUALITY STREAMS

Net-spinning Caddisfly: Order Trichoptera - Six jointed, hooked legs just behind head; 2 hooks at back end; bushy gills along lower half (arrow); 1"; abundant.

Alderfly: Order Megaloptera - Six jointed legs; pinching jaws; many pointed feelers along edge of body (arrow); long tail at the end; 1"; rare.

Crane Fly: Order Diptera - Worm-like; no jointed legs; head hidden inside the light brown body; 4 finger-like lobes at back end (arrow); 2"; abundant.
MODERATELY-SENSITIVE ORGANISMS (continued)

Black Fly: Order Diptera - shaped like a little bowling pin; black head with tiny bristles for filtering food (arrow); may have wing pads; no gills along sides of body; 2"; common; 3 families.

Crayfish: Order Decapoda - 8 walking legs and 2 pinching claws; 6"; abundant.

Leech: Order Hirudinea - brown or grey, slimy, suction pads on both ends (arrow); 2"; rare; 3 families.

Clams and mussels: Class Bivalvia - two hinged hard shells; 5"; rare; 2 families.

Ramshorn Snails: Class Gastropoda - No hard cover over opening; shell coiled in one plane; ½"; common.

TOLERANT ORGANISMS
POLLUTION-TOLERANT ORGANISMS FOUND IN HEALTHY, FAIR OR POOR QUALITY STREAMS

Non-biting Midge: Order Diptera - dark head; body white, gray or reddish; worm-like segmented body; 2 tiny unjointed legs on both ends (arrow); ½"; abundant.

Riffle Beetle: Order Coleoptera - 6 jointed legs; brown or black; adults have hard covering over the wings, body with fairly hard covering; 3/8"; abundant.

Damselfly: Order Odonata - large eyes; bullet-shaped, round or leaf-like body; 6 long legs; 3 short-spike-like tails (arrow); may have wing pads; 2"; common; 6 families.

Dragonfly: Order Odonata - large eyes; bullet-shaped, round or leaf-like body; 6 long legs; 3 short-spike-like tails (arrow); may have wing pads; 2"; common; 6 families.

Scud: Order Amphipoda - white to gray; more than six legs; swims on its side; looks like a small shrimp; 1/4"; abundant; 3 families.

Damselfly: Order Odonata - large eyes; bullet-shaped, round or leaf-like body; 6 long legs; 3 short-spike-like tails (arrow); may have wing pads; 2"; common; 6 families.

Aquatic worm: Class Oligochaeta - thin and hairlike or thicker like an earthworm; 2½"; common; 8

Pouch Snail: Class Gastropoda - shell opens on the left; no hard covering over shell opening; 3/4"; common.

TOLERANT ORGANISMS
POLLUTION-TOLERANT ORGANISMS FOUND IN HEALTHY, FAIR OR POOR QUALITY STREAMS

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Riffle Beetle: Order Coleoptera - 6 jointed legs; brown or black; adults have hard covering over the wings, body with fairly hard covering; 3/8"; abundant.

Clams and mussels: Class Bivalvia - two hinged hard shells; 5"; rare; 2 families.

Ramshorn Snails: Class Gastropoda - No hard cover over opening; shell coiled in one plane; ½"; common.

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Non-biting Midge: Order Diptera - dark head; body white, gray or reddish; worm-like segmented body; 2 tiny unjointed legs on both ends (arrow); ½"; abundant.

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