

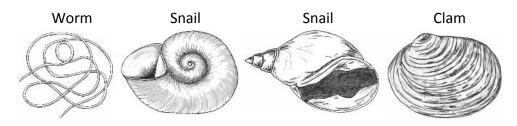
CBP BENTHIC MACROINVERTEBRATE SUBSAMPLING GUIDELINES



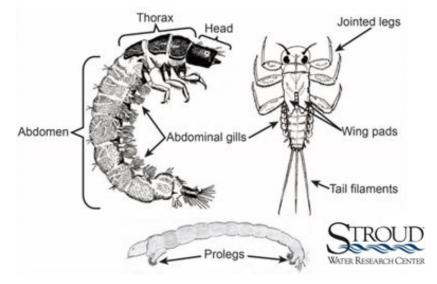
What To Include

Whole and complete benthic macroinvertebrate organisms

Shelled organisms (clams, snails)



Larvae & Worms

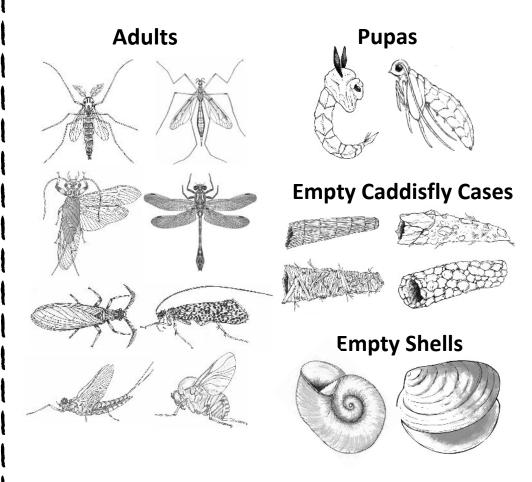


Additional drawings and size comparisons on back



Don't Include

- Headless and/or cut organisms
- Leaves, twigs, rocks, or other debris



MACROINVERTEBRATE SIZE CHART

Macroinvertebrates may be smaller or larger than the pictures. . Actual size ranges are listed.

Very Small

Midge 1/8 to ¼ in

Blackfly 1/8 to ¼ in

Crayfish

1/2 to 5 in

Riffle Beetle (Larvae) 1/8 to 1/2 in

Riffle Beetle (Adult) 1/16 to 1/8 in

Small

1/8 to 1/4 in

Sowbug 1/4 to 3/4 in

Water Penny 14 to 1/2 in

Net-spinning Caddisfly ¼ to 1 in

Leech 14 to 2 in

Worm ¼ to 2 in

Watersnipe Fly 14 to 1 in



Mayfly 1/4 to 1 in

Caddisfly 1/2 to 1 1/2 in

Size Varies



Alderfly 1/2 to 1 1/2 in



Gilled Snail 1/16 to ¾ in



Lunged (orb) Snail 1/8 to 1in



Clams & Mussels 1/8 to 5in



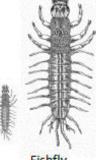








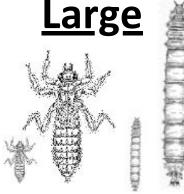
Stonefly 1/2 to 1 1/2 in



Fishfly 34 to 4 in



Dobsonfly (Hellgramite) 34 to 4 in



Dragonfly 1/2 to 2 in

Crane Fly 1/3 to 2 1/2 in