

DUN MOLTS
INTO SPINNER



SPINNER DEPOSITS
EGGS IN RIVER



SPENT SPINNER



DUN



EMERGER



NYMPH



MAYFLY

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What is a macroinvertebrate? Small but microscope not needed, no spine, exoskeleton.

Habitat: ponds, streams, lakes; living in moss & mud or on & under rocks; slow and moving water.

Life Stages are: egg, pupa, nymph, adult; complete or incomplete metamorphosis.

What do they eat? Leaves & plant debris, each other, dead salmon. Feeder types are: Shredders, collectors, grazers & predators.

Why do we care? Macros are *bio indicators*. That means they can tell us about the health of the stream or lake; varying sensitivity to water quality. They are the primary food source for small fish such as trout & young salmon. They also dispose of leaves and dead salmon.

Sensitive Types: March Brown mayfly; freshwater mussels; caddis; stonefly.

Somewhat Tolerant Types: dragon & damselfly; beetles.

Very Tolerant: skippers & black flies.

Invasive Species: bullfrogs; tui chub; goldfish; zebra mussels.

Let's take a look in the stream to see what is living here. (Survey method)