Maine Stream Explorers



A treasure hunt for healthy streams in Maine. Your objective is to find aquatic insects and other macroinvertebrates. The "Sensitive"





Abundance:

Abundance:

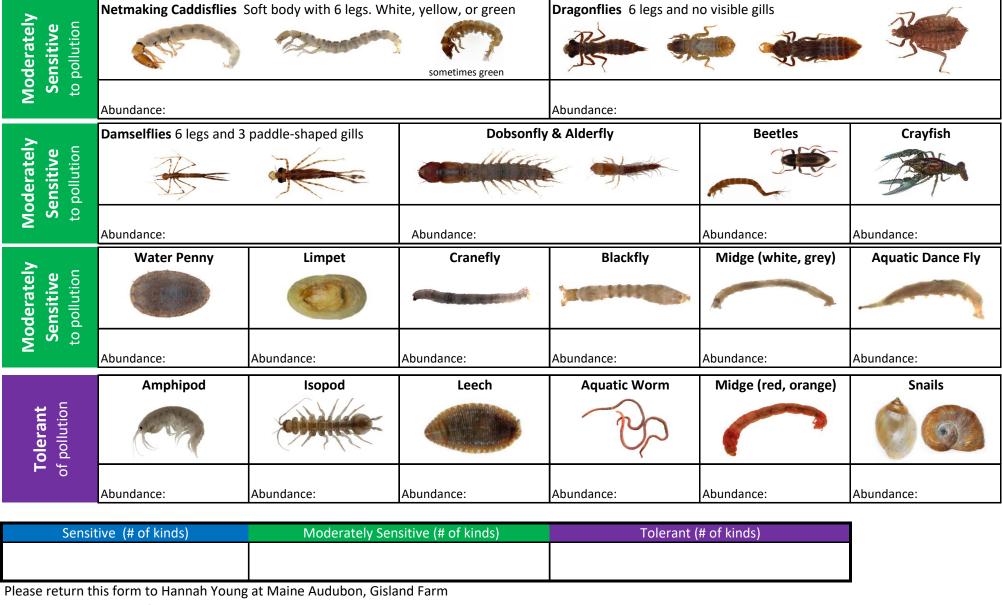




Abundance:

Basic Field Data Sheet

macroinvertebrates prefer streams with good habitat and cold, clean water. The "Moderately Sensitive" bugs are a little more tolerant of pollution and habitat alteration. The "Tolerant" ones are least sensitive to pollution but they are not bad; they are just tough. Thank you and have fun! Stream Name: Town: Collection Date: Latitude: Longitude: Photos: upstream downstream Description of Sample Location: Names of Collectors: Total time at the stream: Time spent sorting and identifying macroinvertebrates: Number of samples collected: Rocks Logs and branches Tree roots and undercut banks **Plants** Abundance Categories: 1-5 = Few (F), 6-25 = Common (C), more than 25 = Abundant (A) **PICTURES ARE NOT TO SCALE** Mayflies Look for 6 legs, 3 thin tails (sometimes 2), and gills on the abdomen. Some have protective plates over gills. to pollution Sensitive Abundance: Stoneflies Look for 6 legs, 2 thin tails, and no gills on the abdomen. Some may have fuzzy gills in their "arm pits." Sensitive to pollution Abundance: Casemaking Caddisflies They have a grub-like body with 6 legs. Usually a creamy color. **Freeliving Caddisfly** Water Snipe Fly to pollution Sensitive sometimes green



Please e-mail pictures of sites and macroinvertebrates to Hannah Young at conserve@maineaudubon.org

If you questions about the macroinvertebrate keys, contact Tom Danielson at thomas.j.danielson@maine.gov

Funded by the Onion Foundation and the Maine Outdoor Heritage Fund

Comments:

