

# Maine Stream Explorers

## Field Data Sheet



**A treasure hunt for healthy streams in Maine.** Your objective is to find aquatic insects and other macroinvertebrates. The "Sensitive" 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. Follow the sampling instructions and write down the abundance categories of the bugs on this field sheet. You probably will find some bugs that are not shown on this field sheet; just ignore them. Do not worry if your stream does not have a lot of sensitive macroinvertebrates. This is still good information that could lead to action to restore the stream. 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	Tree roots and undercut banks
		Logs and branches
		Plants







**Abundance Categories:** 1-5 = Few (F), 6-25 = Common (C), more than 25 = Abundant (A)







**PICTURES ARE NOT TO SCALE**







Sensitive to pollution	Brush-legged Mayfly	Spiny Crawler Mayfly	Two-tailed Mayfly	Roach-like Stonefly	Giant Stonefly	Common Stonefly
Sensitive to pollution	Short-tailed Stonefly	Tiny Stoneflies		Other Small Stoneflies		
Sensitive to pollution	Free-living Caddisfly	Saddle-case Caddis.	Log Cabin Caddis.	Wood Panel Caddis.	Watersnipe Fly	Clubtail Dragonfly






Comments:









Moderately Sensitive to pollution	Minnow Mayflies	Flat-headed Mayfly	Prong-gilled Mayfly	Square-gilled Mayfly	Little Stout Crawler	Dobsonfly
						

Moderately Sensitive to pollution	Tubenet Caddisfly	Netspinning Caddis.	Snailcase Caddisfly	Long-horned Caddis.	Other Casemaking Caddisflies	
						

Moderately Sensitive to pollution	Darner Dragonfly	Jewelwings	Narrow-winged Damselfly	Blackfly	Crane-fly	Aquatic Dance Fly
						

Moderately Sensitive to pollution	Riffle Beetle	Water Penny	Crayfish	Limpet	Mud Snail
					

Tolerant of pollution	Amphipod	Isopod	Leech	Aquatic Worm	Midges	Other Snails
						

Sensitive (# of kinds)	Moderately Sensitive (# of kinds)	Tolerant (# of kinds)

Please return this form to Hannah Young at Maine Audubon, Gisland Farm

Please e-mail pictures of sites and macroinvertebrates to Hannah Young at [hyoung@maineaudubon.org](mailto:hyoung@maineaudubon.org)

If you questions about the macroinvertebrate keys, contact Tom Danielson at [thomas.j.danielson@maine.gov](mailto:thomas.j.danielson@maine.gov)

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