

Maine Stream Explorers

Expanded 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. 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
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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 	Cranefly 	Aquatic Dance Fly 
Moderately Sensitive to pollution	Midge (white, yellow) 	Riffle Beetle 	Water Penny 	Crayfish 	Limpet 	Mud Snail 
Tolerant of pollution	Amphipod 	Isopod 	Leech 	Aquatic Worm 	Midge (red, orange) 	Other Snails 

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

Please visit (<https://maineaudubon.org/projects/stream-explorers/>) to enter your data

Please e-mail pictures of sites and macroinvertebrates to Mady Eori at meori@maineaudubon.org

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

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