

IDENTIFICATION AND ASSESSMENT

**** Do NOT count empty shells, pupae, or terrestrial macroinvertebrates ****
**** Taxa are listed from most pollution sensitive to most pollution tolerant ****

Count	Common Name	Scientific Taxa	Sensitivity Rating (0-10)	Count x Sensitivity
	Hellgrammite (Dobsonfly)	Megaloptera, Corydalidae	0.0	
	Clubtail Dragonfly	Odonata, Gomphidae	1.0	
	Stonefly	Plecoptera	1.6	
	Sensitive True Fly (water snipe fly, net-winged midge, dixid midge)	Athericidae, Blephariceridae, Dixidae,	1.9	
	Caddisfly	Trichoptera	2.6	
	Mayfly	Ephemeroptera	3.0	
	Dragonfly	Odonata	3.4	
	Alderfly	Megaloptera, Sialidae	4.0	
	Beetle	Coleoptera	4.4	
	Common net-spinning caddisfly	Hydropsychidae, Trichoptera	4.5	
	True Bug	Hemiptera	5.5	
	Somewhat Sensitive True Fly	Dipterans (those not listed elsewhere)	5.9	
	Scud	Amphipoda	6.0	
	Crayfish	Decapoda	6.0	
	Damselfly	Odonata	6.2	
	Bivalve/Snail	Pelecypoda, Gastropoda	7.1	
	Sowbug	Isopoda	8.0	
	Tolerant True Fly (mosquito, rat-tailed maggot, soldier fly)	Culicidae, Syrphidae, Stratiomyidae	8.5	
	Leech	Hirudinae	10.0	
	Aquatic Worm	Oligochaeta	10.0	

First: If your total abundance is Less than 30 → Automatically give it a WQR of 10 (Very Poor rating)
 Less than 60 → Automatically give it a WQR of 7 (Poor rating)

Water Quality Rating	Degree of Organic Pollution
0.0-3.50 excellent	Pollution unlikely
3.51-4.50 very good	Slight pollution possible
4.51-5.50 good	Some pollution possible
5.51-6.50 fair	Fairly substantial pollution likely
6.51-7.50 fairly poor	Substantial pollution likely
7.51-8.50 poor	Very substantial pollution likely
8.51-10.0 very poor	Severe pollution likely

Water Quality Rating =
Sum of (Count x Sensitivity)
Divided By
Total Abundance
 = _____

	Total Abundance
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	Sum of (Count x Sensitivity):
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