

Macroinvertebrates	Total	Number of Kinds	Tolerance Value	Tolerance Score	Macroinvertebrates	Total	Number of Kinds	Tolerance Value	Tolerance Score
Minnow mayflies	24	1	4	96	Riffle beetle	12	1	4	48
Brush-legged mayfly			3	0	Long-toed beetle			5	0
Flatheaded mayfly	4	1	3	12	Whirligig beetle			5	0
Spiny crawler mayfly	20	1	3	60	Water penny			3	0
Square-gilled mayflies			5	0	Other beetles			7	0
Prong-gilled mayfly			3	0	True bugs			8	0
Burrowing mayflies			4	0	Fishfly/Hellgrammite			3	0
Patterned stoneflies			1	0	Alderfly			6	0
Winter stoneflies			2	0	Non-biting midge			9	0
Little brown stonefly			2	0	Black fly	16	1	6	96
Roach-like stonefly			1	0	Crane fly	8	1	5	40
Giant stonefly			1	0	Watersnipe fly			3	0
Case-building caddisflies			3	0	Dance fly			6	0
Net-spinning caddisflies	132	1	4	528	Dixid midge			5	0
Common netspinner	248	1	5	1240	Net-wing midge			2	0
Free-living caddisfly			3	0	Horse fly			7	0
Dragonflies	1	1	4	4	Other fly larva			8	0
Damselflies			7	0	Aquatic moth			6	0
Non-Insect Groups									
Crayfish			5	0	Pea clam			5	0
Scud/Sideswimmer	1	1	5	5	Asian clam			6	0
Aquatic sowbug	1	1	7	7	Mussel			4	0
Water mites			6	0	Operculate snails			5	0
Aquatic worms	36	1	10	360	Non-operculate snails			7	0
Leeches			10	0	Other invertebrates				0
Flatworms	36	1	7	252					0
Metrics	Results	Point Values	Total Tolerance	2748	Total number collected			539	
Total Taxa	13	6	59.1	22	<p>This spreadsheet shows two different approaches for integrating the six metrics used to evaluate the conditions of the macroinvertebrate community. The first is based on a relatively simple point value system; the second is based on best standard values (BSV). These BSV are developed from reference conditions. Each metric is calculated and formulas are applied using either point values or BSV. The example provided here is based on collections from a recent Elkhorn Creek survey.</p>				
EPT Taxa	5	6	39.2	13					
Biotic Index	5.10	6	70.0	3.0					
% EPT Abundance	79.4	8	88.2	90.0					
% Dominance	46.0	4	67.5	20.0					
% Tolerant	13.5	6	88.2	2.0					
Stream Score	36		68.7	BSV					
Integrity rating	Suboptimal		Suboptimal						