

Stoney Run Below Confluence Macroinvertebrate Count

Date: 10/3/2016

	Sample 1		Sample 2	
Group 1: Sensitive	<i>Count</i>	<i>Code</i>	<i>Count</i>	<i>Code</i>
Water Penny Larvae	0	-	0	-
Hellgrammite	0	-	0	-
Mayfly Nymph	0	-	0	-
Gilled Snails	0	-	0	-
Riffle Beetle Adults	0	-	0	-
Non net-spinning Caddisfly Larva	0	-	0	-
Stonefly Larvae	0	-	0	-
Group 2: Somewhat Sensitive				
Beetle Larvae	2	R	0	-
Clams	0	-	1	R
Cranefly Larvae	1	R	1	R
Crayfish	0	-	0	-
Damselfly Nymphs	0	-	0	-
Dragonfly Nymphs	0	-	0	-
Scuds	0	-	0	-
Sowbugs	0	-	0	-
Fishfly Larvae	0	-	0	-
Alderfly Larvae	0	-	0	-
Net-spinning Caddisfly Larvae	0	-	17	C
Group 3: Pollution Tolerant				
Aquatic Worms	21	C	11	C
Blackfly Larvae	0	-	1	R
Leeches	0	-	0	-
Midge Larvae	0	-	0	-
Snails	0	-	0	-

Sample 1:

Codes:

R= Rare (1-9 organisms)

Good= >40

C=Common (10-99 organisms)

Fair= 20-40

D=Dominant (100+ organisms)

Poor = <20

Index Values:

	Count	Weight	Total	
Sensitive	# of R's	0	5	0
	# of C's	0	5.6	0
	# of D's	0	5.3	0
	Sum:			0
Somewhat Sensitive	# of R's	2	3.2	6.4
	# of C's	0	3.4	0
	# of D's	0	3	0
	Sum:			6.4
Tolerant	# of R's	0	1.2	0
	# of C's	1	1.1	1.1
	# of D's	0	1	0
	Sum:			1.1
			Total Score:	7.5

Sample 2:

Codes:

R= Rare (1-9 organisms)

Good= >40

C=Common (10-99 organisms)

Fair= 20-40

D=Dominant (100+ organisms)

Poor = <20

Index Values:

	Count	Weight	Total	
Sensitive	# of R's	0	5	0
	# of C's	0	5.6	0
	# of D's	0	5.3	0
	Sum:			0
Somewhat Sensitive	# of R's	2	3.2	6.4
	# of C's	1	3.4	3.4
	# of D's	0	3	0
	Sum:			9.8
Tolerant	# of R's	1	1.2	1.2
	# of C's	1	1.1	1.1
	# of D's	0	1	0
	Sum:			2.3
			Total Score:	12.1