

Stoney Run Above Confluence Macroinvertebrate Count

Date: 10/3/2016

	Sample 1		Sample 2	
Group 1: Sensitive	Count	Code	Count	Code
Water Penny Larvae	0	-	0	-
Hellgrammite	0	-	0	-
Mayfly Nymph	0	-	0	-
Gilled Snails	0	-	0	-
Riffle Beetle Adults	0	-	3	R
Non net-spinning Caddisfly Larva	0	-	0	-
Stonefly Larvae	0	-	0	-
Group 2: Somewhat Sensitive				
Beetle Larvae	0	-	0	-
Clams	13	C	9	R
Cranefly Larvae	1	R	0	-
Crayfish	0	-	0	-
Damselfly Nymphs	4	R	3	R
Dragonfly Nymphs	0	-	0	-
Scuds	0	-	2	R
Sowbugs	0	-	0	-
Fishfly Larvae	0	-	0	-
Alderfly Larvae	0	-	0	-
Net-spinning Caddisfly Larvae	0	-	0	-
Group 3: Pollution Tolerant				
Aquatic Worms	21	C	8	R
Blackfly Larvae	0	-	0	-
Leeches	0	-	1	R
Midge Larvae	2	R	0	-
Snails	0	-	0	-
Planarian	8	R	8	R

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
	# of C's	0	5.6
	# of D's	0	5.3
	Sum:		0
Somewhat Sensitive	# of R's	2	3.2
	# of C's	1	3.4
	# of D's	0	3
	Sum:		9.8
Tolerant	# of R's	2	1.2
	# of C's	1	1.1
	# of D's	0	1
	Sum:		3.5
Total Score:			13.3

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	3	5
	# of C's	0	5.6
	# of D's	0	5.3
	Sum:		15
Somewhat Sensitive	# of R's	3	3.2
	# of C's	0	3.4
	# of D's	0	3
	Sum:		9.6
Tolerant	# of R's	3	1.2
	# of C's	0	1.1
	# of D's	0	1
	Sum:		3.6
Total Score:			28.2