

Macroinvertebrate Count-McCarthy Run Near White Twp Building

Date: 10/3/2017

	Sample 1		Sample 2	
Group 1: Sensitive	<i>Count</i>	<i>Code</i>	<i>Count</i>	<i>Code</i>
Water Penny Larvae	1	R	5	R
Hellgrammite	0	-	0	-
Mayfly Nymph	27	C	6	R
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	1	R	0	-
Clams	0	-	0	-
Cranefly Larvae	0	-	0	-
Crayfish	1	R	0	-
Damselfly Nymphs	0	-	1	R
Dragonfly Nymphs	0	-	0	-
Scuds	11	C	4	R
Sowbugs	5	R	2	R
Fishfly Larvae	0	-	0	-
Alderfly Larvae	0	-	0	-
Net-spinning Caddisfly Larvae	54	C	7	R
Group 3: Pollution Tolerant				
Aquatic Worms	3	R	1	R
Blackfly Larvae	7	R	0	-
Leeches	1	R	1	R
Midge Larvae	1	R	3	R
Snails	0	-	0	-
Planarian	7	R	12	C

Codes:

R= Rare (1-9 organisms)
C=Common (10-99 organisms)
D=Dominant (100+ organisms)

Good= >40
Fair= 20-40
Poor = <20

Sample 1:

Index Values:

	Count	Weight	Total
Sensitive	# of R's	1	5
	# of C's	1	5.6
	# of D's	0	5.3
	Sum:		10.6
Somewhat Sensitive	# of R's	3	3.2
	# of C's	2	3.4
	# of D's	0	3
	Sum:		16.4
Tolerant	# of R's	5	1.2
	# of C's	0	1.1
	# of D's	0	1
	Sum:		6
	Total Score:		33

Codes:

R= Rare (1-9 organisms)
C=Common (10-99 organisms)
D=Dominant (100+ organisms)

Good= >40
Fair= 20-40
Poor = <20

Sample 2:

Index Values:

	Count	Weight	Total
Sensitive	# of R's	2	5
	# of C's	0	5.6
	# of D's	0	5.3
	Sum:		10
Somewhat Sensitive	# of R's	4	3.2
	# of C's	0	3.4
	# of D's	0	3
	Sum:		12.8
Tolerant	# of R's	3	1.2
	# of C's	1	1.1
	# of D's	0	1
	Sum:		4.7
	Total Score:		27.5