

Stream Study Data Sheet

Date:5/7/13 School:North East Middle School Stream:16 Mile No. of students:21

					4 Excellent	3 Good	2 Fair	1 Poor
Bare Soil 3					0-10%	11-40%	41-80%	81-100%
Bank Erosion 3					Stable	Few	Overall	Extensive
Water Appearance Very clear								
Coliform Bacteria (MPN)						Negative		Positive
Dissolved Oxygen	#1 4	#2 0	#3 4		91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 10	#3 10				5ppm	20,40ppm
Phosphate	#1 1	#2 2	#3 1		1ppm	2ppm	4ppm	
pH	#1 7	#2 7	#3 9		7	6,8		4,5,9,10,11
Temperature Downstream 16 C Upstream 18 C Difference 2 C					0-2	3-5	6-10	>10
Turbidity	#1 40	#2 40	#3 30		0 JTU	>0 to 40 JTU	>40 to 100 JTU	>100 JTU
Macroinvertebrates					16 and above	12-15	8-11	7 or less

Macroinvertebrate Data Sheet

Macroinvertebrate	Number Found	Pollution Tolerant/Somewhat Tolerant/Intolerant
Flatworms	3	Tolerant
Eggs	3	
Midge Larva	8	Tolerant
Threadworm	1	Tolerant
Caddisfly	1	Intolerant
Fingernail clam	1	Tolerant
Cranefly larva	1	Tolerant
Tubiflex	1	Tolerant
Banded Darter	1	
Minnows	Numerous	

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crane fly	1	Tolerant
Crayfish	1	Somewhat Tolerant
Rainbow Trout	1	
Yellow Perch	1	
Catfish	2	
Carp/Grass carp	Numerous	