

Stream Study Data Sheet

Date:5/15/13_____ School:Rice Avenue Middle School Stream:Elk Creek No. of students:_12__

				4 Excellent	3 Good	2 Fair	1 Poor
Bare Soil				0-10%	11-40%	41-80%	81-100%
Bank Erosion				Stable	Few	Overall	Extensive
Water Appearance Clear/Brownish- No unusual color							
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 4 ppm	#2 4 ppm	#3 4 ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 5	#3 5			5ppm	20,40ppm
Phosphate	#1 1	#2 1	#3 1	1ppm	2ppm	4ppm	
pH	#1 8	#2 7	#3 8	7	6,8		4,5,9,10,11
Temperature Downstream_____9_ degrees C_____				0-2	3-5	6-10	>10
Upstream_____9 degrees C_____							
Difference_____100 m_____							
Turbidity	#1 0	#2 0	#3 0	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
Cranefly Larvae	13	Tolerant
Crayfish	6	Somewhat
Whirligig Beetle	1	Somewhat
Water Strider	1	Somewhat
Leech	2	Tolerant
Thread Worm	3	Tolerant
Mayfly Nymph	4	Intolerant
Tubifex Worm	6	Tolerant

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