

Stream Study Data Sheet

Date:9/27/13 School:Rice Avenue 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/ NONE							
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 4	#2 4	#3 4	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 7	#2 7	#3 8	7	6,8		4,5,9,10,11
Temperature Downstream___12.1 C___ Upstream___12.4 C___ Difference___100 m___				0-2	3-5	6-10	>10
Turbidity	#1 20	#2 20	#3 20	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
Water Strider	18	Somewhat Tolerant
Threadworm	4	Tolerant
Crayfish	10	Somewhat Tolerant
Water mite	2	Somewhat Tolerant
Midge Larva	4	Tolerant
Water Boatman	1	Somewhat Tolerant
Mayfly Nymph	2	Intolerant
Alderfly Larva	2	Intolerant
Dragonfly Nymph	1	Intolerant
Water scavenger beetle	6	Somewhat Tolerant