

Stream Study Data Sheet

Date:9/27/13 School:Rive 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 Somewhat cloudy/partially clear								
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 8	#3 8		7	6,8		4,5,9,10,11
Temperature Downstream ___ 16 C ___ Upstream ___ 15.9 C ___ Difference ___ 100 m ___					0-2	3-5	6-10	>10
Turbidity	#1 80	#2 60	#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
Caddisfly Larva	3	Intolerant
Riffle Beetle	2	Somewhat Tolerant
Threadworm	1	Tolerant
Crayfish	1	Somewhat Tolerant
Tubifex Worm	1	Tolerant
Midge Larva	1	Tolerant
Horsefly Larva	1	Tolerant
Mayfly Nymph	2	Intolerant
Stonefly Nymph	1	Intolerant

Stream Study Data Sheet

Date:9/27/13 School:Rive Avenue Stream:_Elk Creek_ No. of students:_12_