

# Stream Study Data Sheet

Date: 10/16/12 School: Rice Avenue Stream: Elk Creek No. of students: 11

				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 8	#2 8	#3 8	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 5	#3 5			5ppm	20,40ppm
Phosphate	#1 1	#2 2	#3 2	1ppm	2ppm	4ppm	
pH	#1 9	#2 9	#3 8	7	6,8		4,5,9,10,11
Temperature (change) Downstream 10.5 C Upstream 10.4 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
Whirligig Beetle	4	Somewhat Tolerant
Water Strider	2	Somewhat Tolerant
Flatworm	3	Pollution Tolerant
Dobson Fly	1	Intolerant
Caddis Fly	4	Intolerant
Cranefly Larvae	1	Pollution Tolerant
Water Snipe Fly Larvae	1	Pollution Tolerant
Horsefly Larvae	5	Pollution Tolerant
Stonefly Nymph	1	Intolerant