

Stream Study Data Sheet

Date: May 2015 School: Clark Stream: 4 mile Creek No. of students 38

				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			
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1	#2	#3	91-110%	71-90%	51-70%	<50%
Nitrate	#1	#2	#3			5ppm	20,40ppm
Phosphate	#1	#2	#3	1ppm	2ppm	4ppm	
pH	#1	#2	#3	7	6,8		4,5,9,10,11
Temperature 17 degrees Celsius Downstream _____ Upstream _____ Difference _____				0-2	3-5	6-10	>10
Turbidity	#1	#2	#3	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
Midge Larva	3	
Water Scorpion	4	
Caddisfly Larva	6	
Mayfly Nymph	2	
Pouch snail	5	
Salimander	1	
Water Strider	21	
Crane fly Larva	1	
Leech	2	
Black Nosed Dace	2	

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Crayfish	1	
Earthworm	1	
Crane Fly Larva	3	
Alderfly Larva	9	
Amphipod	1	
House Spider	1	
Water Glider	1	
Midge Pupa	3	
Riffle Beetle	2	
Fishing Spider	2	
Bee	1	
Fingernail clam	10	
Pyramid Caterpillar	2	
Blackfly Larva	1	