

Stream Study Data Sheet

Date: May 2015 School: Blessed Sacrament Stream: Cascade Creek No. of students: 44

				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, light brown							
Coliform Bacteria (MPN) 5 tubes					Negative		Positive
Dissolved Oxygen	#1 5	#2 5	#3 5	91-110%	71-90%	51-70%	<50%
Nitrate	#1 7.5	#2 5	#3 7.5			5ppm	20,40ppm
Phosphate	#1 2	#2 1.5	#3 1.5	1ppm	2ppm	4ppm	
pH	#1 7.5	#2 8	#3 8	7	6,8		4,5,9,10,11
Temperature Point of entry – 14.5C Downstream _____ 12.5 C _____ Upstream _____ 13.5 C _____ Difference _____ 1.0 C				0-2	3-5	6-10	>10
Turbidity	#1 20	#2 20	#3 30	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
Mayflies	1	
Dobsonflies	2	
Caddisflies	24	
Beetles	2	
Craneflies	4	
Planarians	5	
Sowbugs	11	
Scuds	9	
Midges	2	
Blackflies	2	

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Leeches	3	
Earthworms	19	
Snails	41	