

Stream Study Data Sheet

Date: 10/27/15 School: Blessed Sacrament Stream: Cascade Creek No. of students: 8

				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 to dark brown							
Coliform Bacteria (MPN) 5 tubes					Negative		Positive
Dissolved Oxygen	#1 2	#2 2	#3 2	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 5	#3 5			5ppm	20,40ppm
Phosphate	#1 2	#2 2	#3 1	1ppm	2ppm	4ppm	
pH	#1 8	#2 8	#3 7	7	6,8		4,5,9,10,11
Temperature Downstream _____ 11.0 C _____ Upstream _____ 11.0 C _____ Difference _____ 0 C _____				0-2	3-5	6-10	>10
Turbidity	#1 20	#2 20	#3 10	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
Leeches	4	
Earthworms	1	
Snails	42	
Caddisflies	4	