

Stream Study Data Sheet

Date: 10/10/13 School: Blessed Sacrament Stream: Cascade Creek No. of students: 24

				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, no smell			
Coliform Bacteria (MPN) 5 tests					Negative		Positive
Dissolved Oxygen	#1 2 ppm	#2 2 ppm	#3 2ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 4	#3 5			5ppm	20,40ppm
Phosphate	#1 2	#2 1	#3 1	1ppm	2ppm	4ppm	
pH	#1 7	#2 6.5	#3 7	7	6,8		4,5,9,10,11
Temperature Downstream 12°C _____ Upstream 14.5°C _____ Difference 2.5°C _____				0-2	3-5	6-10	>10
Turbidity	#1 60	#2 60	#3 60	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
Snails	21	
Midge larvae	2	
Leeches	2	
Water striders	5	
Water mite	1	
Flatworm	1	
Beetles	2	