

Stream Study Data Sheet

Date: 11/7/12 **School:** Blessed Sacrament **Stream:** Cascade Creek **No. of students:** 32

					4 Excellent	3 Good	2 Fair	1 Poor
Bare Soil 3					0-10%	11-40%	41-80%	81-100%
Bank Erosion 4					Stable	Few	Overall	Extensive
Water Appearance Clear								
Coliform Bacteria (MPN)						Negative		Positive
Dissolved Oxygen	#1 8	#2 6	#3 6		91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 5	#3 5				5ppm	20,40ppm
Phosphate	#1 2	#2 1	#3 1		1ppm	2ppm	4ppm	
pH	#1 7	#2 7	#3 7		7	6,8		4,5,9,10,11
Temperature Downstream _____ 7°C _____ Upstream _____ 10°C _____ Difference _____ 3°C _____					0-2	3-5	6-10	>10
Turbidity	#1 20	#2 20	#3 0		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
Caddisfly larvae	5	Intolerant
Earthworms	2	
Crane fly larvae	6	Tolerant
Snail	2	Tolerant