

# Stream Study Data Sheet

**Date:** 4/25/12 **School:** Blessed Sacrament **Stream:** Cascade Creek **No. of students:** 31

				4 Excellent	3 Good	2 Fair	1 Poor
Bare Soil 3				0-10%	11-40%	41-80%	81-100%
Bank Erosion 3				Stable	Few	Overall	Extensive
Water Appearance Cloudy, not really clear							
Coliform Bacteria (MPN) 5 tubes positive					Negative		Positive
Dissolved Oxygen	#1 5	#2 6	#3 4	91-110%	71-90%	51-70%	<50%
Nitrate	#1 3	#2 3	#3 3			5ppm	20,40ppm
Phosphate	#1 .5	#2 1	#3 1	1ppm	2ppm	4ppm	
pH	#1 7	#2 8	#3 7	7	6,8		4,5,9,10,11
Temperature Downstream _____ 15°C _____ Upstream _____ 7°C _____ Difference _____ 8°C _____				0-2	3-5	6-10	>10
Turbidity	#1 40	#2 40	#3 40	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	8	Tolerant
Earthworms	15	
Snails	41	Tolerant
Tapeworm?	1	Tolerant
Midges	2	Tolerant
Scuds	2	Somewhat Tolerant
Beetles	2	Somewhat Tolerant
Tubiflex worms	2	Tolerant