

Stream Study Data Sheet

Date: 10/31/14 **School:** Connell **Stream:** Cemetery Run **No. of students:** 4 **Site** 2

				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				Mild smell, burning, gas,, manure	Contained duckweed	Branches/leaves	
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 4	#2	#3	91-110%	71-90%	51-70%	<50%
Nitrate	#1	#2	#3			5ppm	20,40ppm
Phosphate	#1	#2	#3	1ppm	2ppm	4ppm	
pH	#1	#2	#3	7	6,8		4,5,9,10,11
Temperature Downstream <u>16</u> ° c _____ Upstream <u>14</u> ° c _____ Difference <u>2</u> ° c _____				0-2	3-5	6-10	>10
Turbidity	#1	#2	#3	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
Water striders		Somewhat tolerant