

Stream Study Data Sheet

Date: 10/25 **School:** Charter School of Excellence **Stream:** McDannell Run **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			
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 4ppm	#2 4ppm	#3 4ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 0	#2 0	#3 0	0		5ppm	20,40ppm
Phosphate	#1 2	#2 4	#3 2	1ppm	2ppm	4ppm	
pH	#1 8	#2 8	#3 8	7	6,8		4,5,9,10,11
Temperature Downstream _____ 19° C _____ Upstream _____ 19° C _____ Difference _____ 0				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 strider	1	Somewhat Tolerant
Cranefly larvae	1	Tolerant
NOTE: Sunny, clear skies, 79° F		