

Stream Study Data Sheet

Date: _____ **School:** Klein Elementary **Stream:** 7 Mile Creek **No. of students:** 47__

				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 - good							
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 6ppm	#2 6ppm	#3 6ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5	#2 5	#3 5			5ppm	20,40ppm
Phosphate	#1 1	#2 4	#3 2	1ppm	2ppm	4ppm	
pH	#1 8	#2 8	#3 4	7	6,8		4,5,9,10,11
Temperature Downstream _____ 19.5 C _____ Upstream _____ Difference _____				0-2	3-5	6-10	>10
Turbidity	#1 0	#2 20	#3 40-60	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
Water striders	30+	Somewhat tolerant
Two-lined salamander	1	Somewhat tolerant
Predacious Diving Beetle	1	Somewhat tolerant
Crayfish	1	Somewhat tolerant