

# Stream Study Data Sheet

Date:10/26/12 School:\_Fairview Middle School Stream:\_Trout Run No. of students:15

				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				✓	✓	✓	✓
Coliform Bacteria (MPN)					Negative		Positive
Dissolved Oxygen	#1 6 ppm	#2 7 ppm	#3 5 ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 4 ppm	#2 5 ppm	#3 6 ppm			5ppm	20,40ppm
Phosphate	#1 2 ppm	#2 2 ppm	#3	1ppm	2ppm	4ppm	
pH	#1 8	#2 8.1	#3 7.5	7	6,8		4,5,9,10,11
Temperature				0-2	3-5	6-10	>10
Downstream	6°C						
Upstream	6°C						
Difference	6°C						
Turbidity	#1 0	#2 20	#3 20	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	17	Moderate
Orb Snail	1	Tolerant
Caddisfly Larvae	1	Sensitive
Midge Larvae	1	Tolerant