

Stream Study Data Sheet

Date: 5/24/13 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 8 ppm	#2 8 ppm	#3 8 ppm	91-110%	71-90%	51-70%	<50%
Nitrate	#1 5 ppm	#2 5 ppm	#3 5 ppm			5ppm	20,40ppm
Phosphate	#1 2 ppm	#2 2 ppm	#3 4 ppm	1ppm	2ppm	4ppm	
pH	#1 7	#2 8	#3	7	6,8		4,5,9,10,11
Temperature				0-2	3-5	6-10	>10
Downstream	18°C						
Upstream	18°C						
Difference	0°C						
Turbidity	#1 10	#2 50	#3 17	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
Crawling Water Beetle	1	Moderate
Water Boatman	1	Moderate
Tubiflex Worm	5	Tolerant
Threadworm	3	Tolerant
Water Strider	2	Moderate