Clark Fork Watershed Education Program
Milltown Dam Field Data Collection Form

Date:_____
School: _____
Name: _____

Normal Range of Parameters in Healthy Montana Streams

pH = ***7.0 to 9.0 standard units*** (*neutral to alkaline or basic*)
SC (conductivity) = ***30 to 300 µS/cm***
Dissolved O_2 = ***7.0 to 15.0 mg/L*** (*Note: Trout need ≥6 mg/L*)
Turbidity = ***<10 NTU*** (*Note: drinking water must be <1 NTU*)

Converting Temperatures: Get Comfortable with Celsius!
Fahrenheit to Celsius = (0.555) x (Fahrenheit Temperature - 32)
Celsius to Fahrenheit = (1.8 x Celsius Temperature) +32

Water Quality	Site 1	Site 2	Milltown Dam Sediments	Opportunity Tailings
Site name:	_____	_____		
pH *(standard units)*	_____	_____	_____	_____
Conductivity *(µS/cm)*	_____	_____	_____	_____
H_2O Temperature *(C^o or F^o)*	_____	_____		
Air Temperature *(C^o or F^o)*	_____	_____		
Dissolved Oxygen *(mg/L or ppm)*	_____	_____		
Turbidity *(NTU)*	_____	_____		
Other: (*note your units!*)	_____	_____		

Notes:

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Macroinvertebrate Data Form

	Site 1	***Site 2***
Group 1 Taxa		
Stonefly	_____	_____
Alderfly	_____	_____
Snipefly	_____	_____
(Total #) x 4 = Group Score	_____	_____
Group 2 Taxa		
Caddisfly	_____	_____
Mayfly	_____	_____
Riffle Beetle	_____	_____
Dragonfly	_____	_____
Crayfish	_____	_____
Cranefly	_____	_____
Clam/Mussel	_____	_____
Gilled Snail ("right-handed")	_____	_____
(Total #) x 3 = Group Score	_____	_____
Group 3 Taxa		
Black Fly	_____	_____
Sowbug	_____	_____
Midge (excluding Blood Midge)	_____	_____
(Total #) x 2 = Group Score	_____	_____
Group 4 Taxa		
Leech	_____	_____
Worm	_____	_____
Pouch Snail ("left-handed")	_____	_____
Blood Midge	_____	_____
Scud	_____	_____
(Total #) x 1 = Group Score	_____	_____
TOTAL SCORE *(Add Group 1 through 4) =*	_____	_____

Assessment (mark one for each site)	***Site 1***	***Site 2***
23 and above = Potentially Excellent Water Quality	_____	_____
17-22 = Potentially Good Water Quality	_____	_____
11-16 = Potentially Fair Water Quality	_____	_____
10 and less = Potentially Poor Water Quality	_____	_____

Three Most Abundant Macroinvertebrates

1.	**1.**
2.	**2.**
3.	**3.**

Other Macroinvertebrates (not listed above):