BLM BugLab Stream Assessment Data Sheet

9 June 2003

Date: **Crew:**	**Latitude:**
Site Name:	**Longitude:**
Site ID#:	**Elevation (ft): Map =** **GPS =**
District/Forest/Park:	**Start Time:**
County:	**State:**
Reference site? Yes or No:	**Temp (C), Air:** **Water**

Site Evaluation	**Score**	
Vegetative cover		**4** = >95% **3** = 85 – 94% **2** = 75 - 84% **1** = <75%
Erosional deposition from surrounding slopes		**4** = None **3** = Some in specific, limited locales **2** = Obvious signs **1** = Mass wasting.
Consumption of trees & shrubs by livestock		**4** = 0 - 5% **3** = 5 – 25% **2** = 25 - 50% **1**= >50%
Stream Incisement		**4** = No incisement. **3** = Old Incisement **2** = Deep incisement; new floodplain development **1** = Deep incisement; active downcutting
% bank with lateral cutting		**4** = < 5% **3** = 5 – 15% **2** = 15 - 35% **1**= >35%
% streambank with deep, binding root masses		**4** = >85% **3** = 65 – 85% **2** = 35 - 64% **1**= < 35%

Management Activities:	**Rank**	**Describe**
Logging		Notes:
Agriculture		Notes:
Recreation		Notes:
Mining		Notes:
Roads		Notes:
Stream Diversions		Notes:
Urbanization		Notes:
Livestock Grazing		Notes:

Livestock Use Index: Number of fecal droppings	Left transect				Right transect			
	Cow-old	Cow-new	Sheep-old	Sheep-new	Cow-old	Cow-new	Sheep-old	Sheep-new

Site Measurements						
Conductivity (S/cm)	**P Alkalinity (ppm CaCO3)**	**Total Alkalinity (ppm CaCO3)**	**Stream Travel Time (s/50m) lead**	**trail**	**Stream Slope (%)**	**Periphyton Sample Volume (mL)**

Channel Classification: Braided Regime Pool-Riffle Plane-Bed Step-Pool Cascade Bedrock Colluvial

Dominant Erosional Habitat Type: Rapid Riffle Run Steprun

Dominant Depositional Habitat Type: Lateral Scour Plunge Dammed

Photographs, Exposure#'s: Upstream: **Downstream:** **Overview:**

	Mean depth (cm):				Mean width (m):					
Transect	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Width (m)										
Depth (cm) at 0.25 width										
Depth (cm) at 0.50 width										
Depth (cm) at 0.75 width										

Mean =	**Densiometer measurements (Number of points shaded of 96)**				**General Site Comments**
Direction	**Unit 1**	**Unit 2**	**Unit 3**	**Unit 4**	
Upstream					
Left bank					
Right bank					
Downstream					

	Stream Bed Particle Size Counts								
	Unit 1		**Unit 2**		**Unit 3**		**Unit 4**		
Particle Size Class (mm)	**Tallies**	**Count**	**Tallies**	**Count**	**Tallies**	**Count**	**Tallies**	**Count**	**Total**
Bedrock									
180									
128									
90									
64									
45									
32									
22.6									
16									
11									
8									
< 8									

Total # of particles counted: **Median:**

	Moss-Algae Cover Index							
Category	0		1		2		3	
	Tally	Count	Tally	Count	Tally	Count	Tally	Count
Moss Cover								
Macro-Algae								

Micro-Algae	0	0.5	1	2	3	4	5
Tally							
Count							