USFS-AMLI FIELD DATA FORM

LOCATION AND IDENTIFICATION

(1) **ID#:** 02- 08-_____-_____- _____/_____-_____
rgn st fst rd xutm yutm area#

(2) **Site name:** _____

(3) **Other name/reference:** _____

_____ (4) **Highest priority Environmental Degradation occurring in this area:**
1=extreme; **2**=significant; **3**=potentially significant; **4**=slight; **5**=none

_____ (5) **Highest priority Mine Hazard noted in this area:**
E=emergency; **1**=extreme danger; **2**=dangerous; **3**=potentially dangerous;
5=no significant hazard

_____ (6) **Commodity:** **C**=coal; **U**=uranium; **M**=metals; **I**=industrial material.
(Metal or Indust. material type: _____)

(7) **Quad name and date:**_____

(8) **County:** _____

(9) **2^{o} map:** _____

(10) **Water Cataloguing Unit #:** _____

(11) **Mining district/coal field:** _____

(12) **Land survey location:** _____-_____-_____sec_____,T_____,R_____

(13) **Receiving stream:** _____flowing into_____
nearest named stream next named stream

(14) **Elevation** (ft): _____

_____ (15) **General Slope:** **1**=0-10^{o}; **2**=11-35^{o}; **3**=greater than 35^{o}

_____ (16) **Regional terrain:** **R**=rolling or flat; **F**=foothills; **T**=mesa; **H**=hogback;
M=mountains; **S**=steep/narrow canyon

_____ (17) **Type of access:** **N**=no trail; **T**=trail; **J**=jeep road; **G**=gravel road;
M=paved road; **P**=private/restricted road

_____ (18) **Quality of access for construction vehicles:** **G**=good; **M**=moderate; **P**=poor;
X=very poor

(19) **Nearest town on map:** _____

_____ (20) **Road distance from nearest town** (#.# miles)

(21) **Nearest road** (name and/or #): _____
FR=forest rd; **CR**=county rd; **SH**=state highway; **I**=interstate

Distance to following types of public uses (#.# miles):

_____ (22) Road

_____ (23) Dwelling (year-round)

_____ (24) Campground/picnic area

_____ (25) Marked trail

_____ (26) Other public use (explain)
_____

ENVIRONMENTAL INFORMATION

_____ (27) **Vegetation density adjacent to site:** **D**=dense; **M**=moderate; **S**=sparse;
B=barren

_____ (28) **Vegetation type adjacent to site**: **B**=barren; **W**=weeds; **G**=grass; **R**=riparian
S=sagebrush/oakbrush/brush; **J**=juniper/piñon; **A**=aspen; **P**=pine/spruce/fir;
T=tundra

_____ (29) **Evidence of intentional reclamation:** **Y**=yes; **N**=no (if yes, use comments)

_____ (30) **Size of disturbed area in acres**

_____ (31) **Potential historical structures in area:** **Y**=yes; **N**=no (if yes, use comments)

_____ (32) **Positive evidence of BATS:** **G**=guano; **I**=insect remains; **B**=bat sighting;
O=other(use comments); **N**=no (use comments to expand on any positive evidence;
"No" only indicates absence of positive evidence, **not** absence of bats)

_____ (33) **Recorded by/date:** _____

ADITS, SHAFTS, AND OPENINGS												
Feature Nos.		100	101	102	103	104	105	106	107	108	109	110	111
Type of Feature													
Opening Size (ft)	H												
	W												
Depth (ft)													
Condition													
Drainage													
Access Deterents													
Deterent Condition													
Ratings	Env. Deg.												
	Hazard												
Photo	Roll No.												
	Frame No.												
Comments?													

DUMPS, TAILINGS, AND SPOIL BANKS										
Feature No.		200	201	202	203	204	205	206	207	208
Type of Feature										
Plan view Dimension(ft.)	L									
	W									
Volume (yds)										
Steepest Slope Angle (dgr)										
Steepest Slope Length (ft)										
Size of Materials										
Cementation										
Vegetation Type										
Vegetation Density										
Drainage										
Stability										
Water Erosion	of Feature									
	Storm Runoff									
Wind Erosion										
Radiation Count										
Access Deterents										
Deterent Condition										
Ratings	Env. Deg.									
	Hazard									
Photo	Roll No.									
	Frame No.									
Comments?										
Soil Sample No.										

DRAINAGE/WATER SAMPLES						
Item Nos.	300	301	302	303	304	305
Adit/Shaft/Dump No./Other=0 (If other location, describe in comments)						
pH (standard units)						
Conductivity (uS)						
Flow (gpm)						
Method of Flow Measure						
Date Flow/Sample (m/d/y)						
Location of Sample/Flow						
Evidence of Toxicity in Site Drainage						
Evidence of Toxicity in Receiving Stream						
Distance from Stream (ft)						
Comments?						
Lab Water Sample No.						

GPS READINGS	
Ftr. No.	Location
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.
	Lat. Long.

DIAGRAM OF PROBLEM AREA (Locate all adits, shafts, dumps, prospects, etc. on topo map.)

Check off upon completion: __ north arrow; __ scale bar or general size noted; __ direction to nearest trail/road/town noted; __ significant mine features numbered

Adit shaft prospect hole building dump or tailings collapsed adit and shaft fence

•81. Local person interviewed _____
Name Address

•82. Name and address of person desiring a copy of this form: _____

_____

•83. Describe the minimum work needed to mitigate any public health, safety, welfare, or environmental problems observed at the site. Note specific reclamation activities along with an estimated cost and time period to implement each activity described. Code costs as: 1= less $10,000; 2= $10,000 to $100,000; 3= $100,000 to $500,000; 4= more than $500,000. Code estimated time to complete the activity as: 1= less than 1 month; 2= 1 to 12 months; 3= 1 to 3 years; 4= over 3 years

Cost	Time	Recommended reclamation activity

•84. Comments relating to geology, health, safety, welfare, environmental, or restoration problems of a certain feature. All comments must be keyed to mine feature # or drainage/water sample item #.

Ftr.# _____

_____-if more comments use back of page →

General Comment (on whole inventory area or group of mine features): _____

_____-if more comments use back of page →

OFFICE/LITERATURE INFORMATION

•41. Owner of surface _____
•42. Last known operator _____
•43. Estimated production _____
•44. Dates of production _____
•45. Literature not cited in comments _____
•46. Citation of any historical register listing _____

CODES FOR TABULAR INFORMATION

ALL TABLES: If appropriate code is not listed, use: **N** = none or no; **N/A** = not applicable; **UNK** = unknown; **O** = other, explain in #84

ADITS, SHAFTS, & OPENINGS

- Type of feature: **A** = adit; **S** = vertical shaft; **I** = incline shaft; **P** = prospect hole; **ST** = stope; **G** = glory hole; **SU** = subsidence feature; **PT** = open pit; **O** = other, explain in #84.
- Condition: **I** = intact; **P** = partially collapsed or filled; **F** = filled or collapsed; **N** = feature searched for but not found (mine symbol on map)
- Drainage: **N** = no water draining; **W** = water draining; **S** = standing water only (note at what depth below grade)
- Access deterrents: **N** = none; **S** = sign; **F** = fence; **C** = sealed or capped; **D** = open door or hatch; **L** = locked door or hatch; **G** = open grill; **O** = other, explain in #84.
- Deterrent condition: **P** = prevents access; **D** = discourages access; **I** = ineffective
- Ratings: Hazard: **E** = emergency; **1** = extreme danger; **2** = dangerous; **3** = potential danger; **5** = no significant hazard
  Env. Deg.: **1** = extreme; **2** = significant; **3** = potentially significant; **4** = slight; **5** = none
- Comments?: **Y** = yes; **N** = no

DUMPS, TAILINGS, AND SPOIL AREAS

- Type of feature: **D** = mine dump; **T** = mill tailings; **W** = coal waste bank; **S** = overburden or development spoil pile; **DS** = dredge spoil; **HD** = placer or hydraulic deposit; **H** = highwall; **P** = processing site
- Size of materials: **F** = fine; **S** = sand; **G** = gravel; **L** = cobbles; **B** = boulders
- Cementation: **W** = well cemented; **M** = moderately cemented; **U** = uncemented
- Vegetation Type: **G** = mixed grass; **S** = sagebrush/oakbrush/brush; **J** = juniper/piñon; **A** = aspen; **P** = pine/spruce/fir; **T** = tundra; **R** = riparian; **F** = tilled crops; **B** = barren/no vegetation; **W** = weeds
- Vegetation Density: **D** = dense; **M** = moderate; **S** = sparse; **B** = barren
- Drainage: **N** = no water draining; **W** = water draining across surface; **S** = standing water only; **SP** = water seeping from side of feature
- Stability: **U** = unstable; **P** = potentially unstable; **S** = stable
- Water erosion: of Feature: **N** = none; **R** = rills; **G** = gullies; **S** = sheet wash
  Storm Runoff: **C** = in contact with normal stream; **S** = near stream or gully, but only eroded during storm or flood; **N** = no storm/flood runoff erosion
- Wind erosion: **N** = none; **D** = dunes; **B** = blowouts; **A** = airborne dust
- Radiation Count: **N** = none taken; record value of reading if taken
- Access deterrents: **N** = none; **S** = sign; **F** = fence; **O** = other, explain in #84
- Ratings: Hazard: **E** = emergency; **1** = extreme danger; **2** = dangerous; **3** = potential danger; **5** = no significant hazard
  Env. Deg.: **1** = extreme; **2** = significant; **3** = potentially significant; **4** = slight; **5** = none
- Comments?: **Y** = yes; **N** = no

DRAINAGE/WATER SAMPLES

- Adit/Shaft/Dump No./Other: Indicate Feature No. associated with water information; **0** = other, explain in comments
- Flow (gpm): record unestimatable seeps as 0.1 gpm
- Method of flow measure: **E** = estimate; **T** = bobber/stopwatch/x-section; **W** = weir; **D** = catchment; **F** = flow meter
- Location of sample and flow: **A** = immediately adjacent to adit/shaft; **B** = below dump/tailings; **C** = immediately above confluence with receiving stream; **SW** = standing water in/on feature; **RU** = receiving stream upstream of feature; **RD** = receiving stream downstream of feature;
- Evidence of toxicity: **N** = none; **A** = absence of benthic organisms; **W** = opaque water; **P** = yellow or red precipitate; **S** = suspended solids; **D** = salt deposits
- Comments?: **Y** = yes; **N** = no