

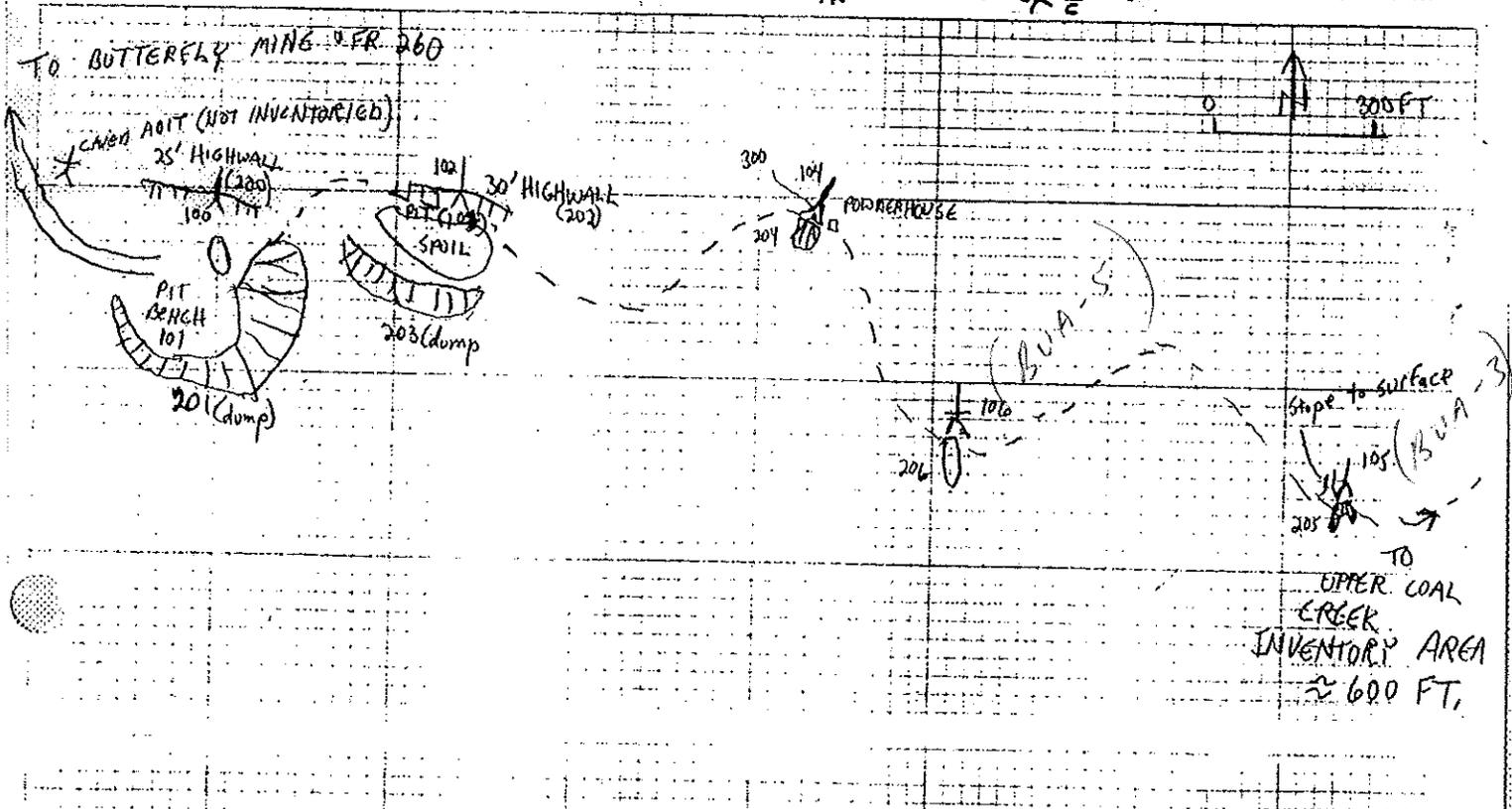
| DRAINAGE/WATER SAMPLES | | | | | | |
|--|---------|-----|-----|-----|-----|-----|
| Item No. | 300 | 301 | 302 | 303 | 304 | 305 |
| Adit/Shaft/Dump No./Other = 0 if other location, describe in comments) | 104 | | | | | |
| pH (standard units) | 6.90 | | | | | |
| Conductivity (uS) | 134 | | | | | |
| Flow (gpm) | 10 | | | | | |
| Method of Flow Measure | E | | | | | |
| Date Flow Sample (M/D/Y) | 6/12/07 | | | | | |
| Location of Sample/Flow | A | | | | | |
| Evidence of Toxicity in Site Drainage | N | | | | | |
| Evidence of Toxicity in Receiving Stream | N | | | | | |
| Distance from Stream (ft) | 2005 | | | | | |
| Comments | Y | | | | | |
| Lab Water Sample No. | | | | | | |

| GPS READINGS | | | |
|--------------|----------------|-------|--|
| Pit No. | Location | | |
| 101 | Lat. 40° 07' | 09.8" | |
| | Long. 107° 40' | 07.8" | |
| 102 | Lat. 40° 07' | 10.3" | |
| | Long. 107° 40' | 02.7" | |
| 104 | Lat. 40° 07' | 08.8" | |
| | Long. 107° 39' | 54.8" | |
| 205 | Lat. 40° 07' | 04.0" | |
| | Long. 107° 31' | 41.4" | |
| | 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 #.

100 - ADIT WITH OPEN PORTAL BUT MUCH CAVING 20 FT INSIDE.
 101 - PIT BENCH BUILT ON FAIRLY FLAT NOSE, 20' DIFFICULT TO DISTINGUISH DUMP BENCH FROM PIT, SO ESTIMATE OF SIZE IS SHAKY.
 101 - SCINTILLOMETER READINGS FLUCTUATED WILDLY, FROM 40 CPS TO 1000 CPS JUST EAST OF THE RAILS
 200 - THIS HIGHWALL IS NOT AS DANGEROUS AS THE BUTTERFLY HIGHWALL, IT IS SMALLER & HAS LESS SHALE. FEATURES 100, 101, 200, 201 ARE ALL ASSOCIATED
 SURVEY SHEET SHOWS A CAVED ADIT ABOUT 200 FT WEST OF 100. IT IS COMPLETELY CAVED AND HAS NO DUMP, AND WAS NOT INVENTORIED.
 102 - PARTLY CAVED WITH BLOCKS FROM FEATURE 202. INTERIOR OF ADIT IS ALSO UNSTABLE, AND HAS HAD SEVERE ROCKFALL, SHOWN AS CAVED ON SURVEY.
 202 - SIMILAR TO 200, BUT TREES ARE GROWING ON PART OF IT.
 103 - LOW SCINTILLOMETER READINGS.
 203 - MOST OF DUMP IS "ROCK DIKE" ON SURVEY SHEET, PILED ON A BENCH, A GITTE HAS BEEN PUSHED OVER THE HILL.
 104 - OPEN, FLOODED ADIT WITH DISCHARGE.
 204 - WHITE SANDSTONE DUMP CUT BY A GULLY WHERE THE EFFLUENT RUNS.
 300 - AT PORTAL, WATER LOOKS GRAY. AFTER CROSSING DUMP THE DISCHARGE SPREADS OUT ON A LOWER ROAD CUT, AND MOSTLY SEEPS IN.
 105 - LARGE BLOCKS HAVE FALLEN INSIDE ADIT, BUT SELDOM VISITED
 205 - DUMP HAS 2 TONGUES OF WHITE SAND.
 106 - ABOUT 25 FT WEST OF 105, THE MINE BREAKS OUT TO THE SURFACE ALONG A PROMINENT JOINT PLANE. THIS OPENING COULD ALSO BE USED TO ACCESS THE MINE.

-if more comments use back of page ->

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

31) SHACK, PROBABLY A POWDER HOUSE, ON 204 MAY BE HISTORICAL.

-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.
- **Deterent 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/pifton; 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; O = other, explain in comments
- **Flow (cfs):** record seeps as 0.01 cfs (Rule of Thumb: a cfs = one full-blast garden hose)
- **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