Site Inspection Report for the Abandoned and Inactive Mines in Idaho on U.S. Bureau of Land Management Property in the Challis Resource Area, Custer County, Idaho

Virginia S. Gillerman
Bruce R. Otto
Tamara S. Schiappa
Tracy Morrison
Site Inspection Report for the Abandoned and Inactive Mines in Idaho on U.S. Bureau of Land Management Property in the Challis Resource Area, Custer County, Idaho

Virginia S. Gillerman
Bruce R. Otto
Tamara S. Schiappa
Tracy Morrison

Staff Reports present timely information for public distribution. This publication may not conform to the agency's standards.
Report originally prepared in 2002 for the U.S. Bureau of Land Management
Under Participating Agreement No.1422-D910-A3-0206, 1999 Extension of Task Order #4

Field Inspection conducted by Virginia S. Gillerman, Bruce R. Otto, Tracy Morrison, and Tamra A. Schiappa
# TABLE OF CONTENTS

INTRODUCTION ......................................................... 1

LOCATION ............................................................ 1

GEOLOGY ............................................................... 1

HAZARD ASSESSMENT .................................................. 5
   Summary .......................................................... 5
   Physical Safety Hazards ........................................ 5
   Environmental Concerns ......................................... 5

SITE DESCRIPTIONS .................................................. 7
   Site ID-0084-00012 (GPS File R071819B.COR) ............... 7
   Site ID-0084-00013 (GPS File R071922A.COR) ............... 7
   Site ID-0084-00014 (GPS File R072016A.COR) ............... 7
   Site ID-0084-00016 (GPS File R073119A.COR) ............... 8
   Site ID-0084-00017 (GPS File R073122A.COR) ............... 8
   Site ID-0084-00018 (GPS File R080116A.COR) ............... 8
   Site ID-0084-00019 (GPS File R080118A.COR) ............... 9
   Site ID-0084-00020 (GPS File R080215A.COR) ............... 9
   Site ID-0084-00021 (GPS File R080218A.COR) ............... 9
   Site ID-0084-00022 (GPS File R080319A.COR) ............... 10
   Site ID-0084-00023 (GPS File R080321A.COR) ............... 10
   Site ID-0084-00024 (GPS File R081415A.COR) ............... 10
   Site ID-0084-00025 (GPS File R081418A.COR) ............... 11

REFERENCES ........................................................ 12

SITE INSPECTION REPORTS .......................................... 13
   Site ID-12 Unnamed Mine .................................... 14
   Site ID-13 Sulfide Mine .................................... 23
   Site ID-14 Riverview Mine .................................. 31
   Site ID-16 Badger Mine ..................................... 56
   Site ID-17 Mule Shoe Mine .................................. 63
   Site ID-18 Unnamed Mine .................................... 70
   Site ID-19 South Butte Mine/mill ......................... 78
   Site ID-20 Unnamed Mine .................................... 86
   Site ID-21 Last Chance Mine ................................ 93
   Site ID-22 Unnamed Mine .................................... 101
   Site ID-23 Unnamed Mine .................................... 111
ILLUSTRATIONS

TABLES

Table 1: Location data for properties in the Challis Resource Area. .................. 3
Table 2: Summary of physical and environmental hazards of sites in the greater Bayhorse area. ............................................ 6

FIGURES

Figure 1: Location of AML Sites evaluated in Challis Resource Area during year 2001. Scale 1:100,000 ............................................. 2
Figure 2: Generalized Stratigraphic Column ...................................... 4
Figure 12-1: Site 12 location map .................................................. 17
Figure 12-2: Adit #1, portal is caved. View looking 150 degrees. ................. 20
Figure 12-3: Adit #2. With wooden powder boxes. View looking 190 degrees. 20
Figure 12-4: Adit #2, wooden powder boxes. View looking 190 degrees. ........ 21
Figure 12-5: Adit #2. Wooden powder boxes. View looking 190 degrees. ....... 21
Figure 12-6: Adit #2, Slot in rocks. View looking 220 degrees. ................. 22
Figure 12-7: Adit #3. Portal open behind bushes. View looking 135 degrees. ... 22
Figure 13-1: Sulfide Mine location map. ......................................... 26
Figure 13-2: Adit #1, note there are two entrances. View looking 020 degrees. 29
Figure 13-3: Adit #1. Interior with partial cave in. View looking 0 degrees. ... 29
Figure 13-4: Adit #1, with a pallet of grey slate in front. View looking 025 degrees. ................................................................. 30
Figure 14-1: Riverview Mine location map. ...................................... 34
Figure 14-2: Overview of the Riverview Mine site. View looking 300 degrees. 39
Figure 14-3: Riverview Mine Upper adit. View looking 310 degrees. .......... 39
Figure 14-4: Adit #1 with a wooden door (Upper adit). View looking 290 degrees. ......................................................... 40
Figure 14-5: Ore bin that is in good shape with stockpile and adit. View looking 0 degrees. .................................................... 40
Figure 14-6: Stope #1. View looking 230 degrees. ................................ 41
Figure 14-7: Stope # 2. View Looking 210 degrees ............................. 41
Figure 14-8: Adit #2, open at the top. View looking 260 degrees. ............. 42
Figure 14-9: Adit #4 open on cliff. View Looking 310 degrees. ............... 42
Figure 14-10: Upper stopes in cliff that were not visited. View looking 290 degrees. ......................................................... 43
Figure 14-11: Adit #6 lower main, caved with tall headwall. View Looking 260 degrees. ................................. 43
Figure 14-12: Adit #7 with caved wooden portal. View looking 270 degrees. 44
Figure 14-13: Shed with “Danger-Unsafe Mine” sign from Nevada. View looking 010 degrees. ....................... 44
Figure 14-14: Adit #10, open. Sited as GPS plot 11. View looking 010 degrees. 45
Figure 14-15: Adit #7 with caved, wooden portal. View looking 270 degrees. 46
Figure 14-16: Adit #12 open. View Looking 270 degrees. ................................................................. 46
Figure 14-17: Stope #7, caved. ................................................................. 47
Figure 14-18: Adit #13 caved. View Looking 270 degrees. ................................................................. 48
Figure 14-19: Adit #14, caved. View looking 200 degrees. ................................................................. 49
Figure 14-20: Small caved unreferenced adit near adit #14. View Looking 180 degrees. ........................................ 50
Figure 14-21: Overview of Adit #14 area. View looking 180 degrees. .................................................... 50
Figure 14-22: Adit #5, open. View Looking 270 degrees. ................................................................. 51
Figure 14-23: Adit #4, open. View looking 340 degrees ................................................................. 51
Figure 14-24: Adit #3, open. View Looking 190 degrees. ................................................................. 52
Figure 14-25: Stope #2, open. View looking 180 degrees. ................................................................. 52
Figure 14-26: Adit #15, open. View Looking 180 degrees. ................................................................. 53
Figure 14-27: Adit #16, caved. View looking 270 degrees. ................................................................. 54
Figure 14-28: Overview of Riverview. View looking 240 degrees ............................................................. 55
Figure 14-29: Overview of Riverview. View Looking 240 degrees. .................................................... 55
Figure 16-1: Badger Mine location map. ................................................................. 59
Figure 16-2: Badger workings overview. View looking N 50 E ................................................................. 62
Figure 16-3: Lower Badger workings with open portal ................................................................. 62
Figure 17-1: Mule Shoe Mine location map. ................................................................. 66
Figure 17-2: Partially open adit. View looking 90 degrees ................................................................. 69
Figure 17-3: Adit #3, Partially open. View looking 220 degrees ................................................................. 69
Figure 18-1: Site 18 location map. ................................................................. 73
Figure 18-2: Adit #1, open. View looking 90 degrees. ................................................................. 76
Figure 18-3: Access Road. View looking 290 degrees ................................................................. 76
Figure 18-4: Access road. View looking 90 degrees ................................................................. 77
Figure 19-1: South Butte Mine/Mill location map. ................................................................. 81
Figure 19-2: South Butte Mine overview. View looking 015 degrees. .................................................... 84
Figure 19-3: Cabins at South Butte Mine. View looking 150 degrees. .................................................... 84
Figure 19-4: Adit#’s 1-3. View looking 330 degrees. ................................................................. 85
Figure 19-5: Collapsed mill at South Butte Mine. View looking 340 degrees .................................................... 85
Figure 20-1: Site 20 location map. ................................................................. 89
Figure 20-2: Open Adit #1. View looking 270 degrees ................................................................. 92
Figure 21-1: Last Chance Mine location map. ................................................................. 96
Figure 21-2: Last Chance Mine, Adit #1, caved. View looking 300 degrees. .................................................... 99
Figure 21-3: Adit #4. Caved. View looking 300 degrees. ........................................ 100
Figure 22-1: Site 22 location map. ................................................................. 104
Figure 22-2: Adit #1, Open. View looking 220 degrees. ............................ 107
Figure 22-3: Cabin 2. View looking 90 degrees. ............................................ 107
Figure 22-4: Adit #4, Caved. View looking 130 degrees .............................. 108
Figure 22-5: Cabin 1. View looking 240 degrees ............................................ 108
Figure 22-6: Adit #3, Caved. View looking 270 degrees ............................. 109
Figure 22-7: Adit #5, Caved. View looking 300 degrees ............................... 109
Figure 22-8: Adit #2, Open with air flow. View looking 200 degrees .......... 110
Figure 23-1: Site 23 location map. ................................................................. 114
Figure 23-2: Adit #1. View looking 160 degrees. ......................................... 117
Figure 23-3: Adit #2, Caved. View looking 120 degrees .............................. 118
Figure 23-4: Overview of access road. View looking 340 degrees ................. 118
Figure 23-5: Cabin #1. View looking 200 degrees ......................................... 119
Figure 23-6: Overview of site 0084-00023. View looking 160 degrees .......... 119
Figure 24-1: Poverty Flat/Unnamed Mine location map. ............................... 123
Figure 24-2: Adit #2, Open with water seepage. View looking 240 degrees .. 126
Figure 24-3: Cabin #4 at main adit site. View looking 170 degrees ............... 126
Figure 24-4: Adit #1, collapsed. View looking 270 degrees ......................... 127
Figure 24-5: Adit #2, collapsed. View looking 270 degrees ......................... 127
Figure 24-6: Cabin #1. View looking 210 degrees ........................................ 128
Figure 24-7: Dump #4. View looking 300 degrees ....................................... 128
Figure 24-8: Lower adit with a trace of water. View looking 160 degrees ....... 129
Figure 24-9: Stope #1. View looking 290 degrees ........................................ 129
Figure 24-10: Perimeter #2 including prospect pit #8 and dump #8 .............. 130
Figure 24-11: Perimeter #1 including cabin #2 and Cabin #3. View looking 20 degrees. ................................................................. 130
Figure 24-12: Adit #9, open. View looking 270 degrees .............................. 131
Figure 25-1: Silverbell Mine location map. .................................................... 135
Figure 25-2: Perimeter #1 with prospect pit #1. View looking 130 degrees .... 138
Figure 25-3: Prospect pit #3. View looking 080 degrees .............................. 138
INTRODUCTION

This report summarizes data collected from thirteen prospects and abandoned mines evaluated in the Challis Resource area during the 2001 field season. Site selection was based on a priority list developed by the BLM, Challis Resource Area. The site visits focused primarily on physical hazards, but also included a comprehensive evaluation of possible environmental degradation. Data were collected using a Trimble Asset Surveyor GPS receiver, and when necessary, with Garmin handheld GPS units. AML sites such as the Ima Mill Site in the Pasimeroi area and the AML sites in the Mackay area will be described in two separate reports.

LOCATION

Prospects and abandoned mine sites evaluated during this study are located in Custer County, Idaho, in the Challis Resource Area (Figure 1). All but one of the prospects occur in the Bayhorse mining district, along and northwest of the Salmon River corridor. The Badger Mine (Site ID 0084-00016) lies adjacent to the East Fork of the Salmon River in the Boulder mining district. All of the properties occur on the White Cloud Peaks 1:100,000 Quadrangle, and Table 1 provides location details of each site visited.

GEOLOGY

Ross (1937) originally mapped the Bayhorse area. More recent studies include Snyder (1978), Hobbs et al. (1991), Fisher (1985), and Worl (1989). Fisher, et al. (1992) published a geologic map of the Challis 1° X 2° quadrangle, which is the most recent coverage of the study area.

Deformed lower Paleozoic strata (Figure 2) underlie the region. The mines visited are hosted in strata of the Bayhorse Dolomite, Ramshorn Slate, and the Ella Dolomite. The Badger property occurs higher in the section, in strata of the Salmon River sequence. The Salmon River strata are correlative, in part, to the Devonian Millgen formation in Blaine County (Turner and Otto, 1995).

Two styles of mineralization were defined: base-metal replacements in carbonate strata, and quartz-siderite veins in siliciclastic lithologies. The base-metal replacements are most commonly parallel to bedding, primarily in the Bayhorse Dolomite and subordinately, in the Ella dolomite. Mineralization typically includes sulfides of copper, zinc and lead. The quartz-siderite mineralization is localized in the Ramshorn Slate, preferentially near the contact with overlying Clayton Mine Quartzite. Quartz-siderite veins were also noted in the Garden Creek Phyllite. The veins range from massive siderite to a 50/50 mixture of siderite and quartz. They occur both concordant to bedding and discordantly, and contain tennantite-tetrahedrite.

The regional Bayhorse anticline, the most significant structural feature in the area, traverses the study area from north to south, and plunges gently south. Strata of the Ramshorn Slate and Bayhorse Dolomite form the core of the structure; superjacent strata of the Clayton
Figure 1: Location of AML Sites evaluated in Challis Resource Area during year 2001.
Scale 1:100,000
Table 1: Location data for properties in the Challis Resource Area.

<table>
<thead>
<tr>
<th>AML Site Number</th>
<th>Property Name</th>
<th>Site ID UTM Easting</th>
<th>Site ID UTM Northing</th>
<th>Quadrangle</th>
<th>Township</th>
<th>Range</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID-0840-00012</td>
<td>Unnamed</td>
<td>710,672 E</td>
<td>4,903,266 N</td>
<td>Bald Mountain</td>
<td>11 N</td>
<td>18 E</td>
<td>SE 29</td>
</tr>
<tr>
<td>ID-0840-00013</td>
<td>Sulfide</td>
<td>710,082 E</td>
<td>4,903,686 N</td>
<td>Bald Mountain</td>
<td>11 N</td>
<td>18 E</td>
<td>NW 29</td>
</tr>
<tr>
<td>ID-0840-00014</td>
<td>Riverview</td>
<td>715,355 E</td>
<td>4,918,130 N</td>
<td>Bayhorse</td>
<td>12 N</td>
<td>18 E</td>
<td>E ½ 11</td>
</tr>
<tr>
<td>ID-0840-00016</td>
<td>Badger</td>
<td>710,403 E</td>
<td>4,891,636 N</td>
<td>Ziegler Basin</td>
<td>10 N</td>
<td>18 E</td>
<td>NE 31, SW 32</td>
</tr>
<tr>
<td>ID-0840-00017</td>
<td>Mule Shoe</td>
<td>710,470 E</td>
<td>4,902,298 N</td>
<td>Ziegler Basin</td>
<td>11 N</td>
<td>18 E</td>
<td>N ½ 32</td>
</tr>
<tr>
<td>ID-0840-00018</td>
<td>Unnamed</td>
<td>706,316 E</td>
<td>4,904,773 N</td>
<td>Clayton</td>
<td>11 N</td>
<td>17 E</td>
<td>23</td>
</tr>
<tr>
<td>ID-0840-00019</td>
<td>South Butte Mine/Mill</td>
<td>703,312 E</td>
<td>4,906,624 N</td>
<td>Clayton</td>
<td>11 N</td>
<td>17 E</td>
<td>NE 16, NW 15</td>
</tr>
<tr>
<td>ID-0840-00020</td>
<td>Unnamed</td>
<td>713,912 E</td>
<td>4,906,715 N</td>
<td>Bald Mountain</td>
<td>11 N</td>
<td>18 E</td>
<td>SE 15</td>
</tr>
<tr>
<td>ID-0840-00021</td>
<td>Last Chance Mine</td>
<td>712,670 E</td>
<td>4,913,764 N</td>
<td>Bald Mountain</td>
<td>12 N</td>
<td>18 E</td>
<td>SW 22, NW 27</td>
</tr>
<tr>
<td>ID-0840-00022</td>
<td>Unnamed</td>
<td>713,146 E</td>
<td>4,918,837 N</td>
<td>Bayhorse</td>
<td>12 N</td>
<td>18 E</td>
<td>SE 3</td>
</tr>
<tr>
<td>ID-0840-00023</td>
<td>Unnamed</td>
<td>712,969 E</td>
<td>4,917,115 N</td>
<td>Bayhorse</td>
<td>12 N</td>
<td>18 E</td>
<td>SW 10, NW 15</td>
</tr>
<tr>
<td>ID-0840-00024</td>
<td>Poverty Flat, Unnamed</td>
<td>710,525 E</td>
<td>4,909,913 N</td>
<td>Bald Mountain</td>
<td>11 N</td>
<td>18 E</td>
<td>E ½ 5</td>
</tr>
<tr>
<td>ID-0840-00025</td>
<td>Poverty Flat, Silver Bell</td>
<td>710,519 E</td>
<td>4,910,522 N</td>
<td>Bald Mountain</td>
<td>11 N</td>
<td>18 E</td>
<td>NE 5, SE 32</td>
</tr>
</tbody>
</table>
Figure 2: Generalized stratigraphic column of lower Paleozoic strata exposed in the Study area. Thicknesses after Hobbs, 1985
Mine Quartzite prominently flank the anticline. Poverty Flat, a prominent high-elevation plateau follows the crest of the structure for several miles, from south of Bayhorse Creek to north of the Salmon River near Clayton. Property sites #24 and 25 are located on Poverty Flat. The remainder of the sites visited, except the Badger prospect, are located along the flanks of the anticline (Figure 1). The Badger prospect is located along the southerly projection of the anticlinal axis, but the structure has not been defined this far south.

Challis volcanic and volcanioclastic strata occur unconformably and structurally above the Paleozoic strata. None of the prospects or abandoned mines visited show any spatial association with the volcanic pile.

HAZARD ASSESSMENT

Summary

No major significant health or environmental hazards were noted in the properties visited during the course of this field evaluation. Most hazards noted are minor risks associated with horizontal mine openings. Access to most of the properties that have potential hazards is somewhat difficult and the locations remote. Table 2 summarizes the hazards noted.

Physical Safety Hazards

Safety hazards associated with open workings are confined to open adits or stopes. No open shafts were observed. The greatest number of physical hazards noted occurs at the Riverview Mine. The Riverview mine (ID-0840-00014), located high in the carbonate cliffs on the southwest side of Bayhorse Canyon, has a number of open adits and stopes, most of which are probably on private land, but this should be confirmed. Luckily most of the openings are in cliffs and require a short but strenuous hike to access. The lowermost, large waste dump and adits are on BLM but they are caved. There were only a few signs of recent human visitors. Another property with a significant physical hazard is the Sulfide property (ID-0840-00013). The Sulfide property (ID-0840-00013), which was called the Gray Badger mine by the Challis area office, is located adjacent to the highway between Challis and Clayton. Though only the dump is visible from the road, the open adit appeared to have recently been in use, most likely for decorative rock. It is easily accessible and the BLM may want to close the adit if there are no active claimants.

Environmental Concerns

In general, the properties visited during the 2001 field season tended to be small and located well above any streams or rivers, a function of the relatively arid climate and extreme topographic relief of the area. Consequently, environmental hazards and water quality concerns are few. In addition, some of the more severe water quality issues are either already under regulatory clean up actions such as at the Clayton Mine or are located predominantly on private land.

One property that was described in a previous report, the Barton mine (ID-0485-00005 in Sec. 3, T12N, R18E), hosts a more easily manageable environmental and safety hazard. The mine, located adjacent to the heavily traveled Bayhorse Lake Road, has three open adits, one of which is near the road. In addition, a wooden ore bin/retaining wall, which holds in a sulfide-rich waste dump, is immediately adjacent to the road. Some of the timbers are breaking. Should the wooden structure fail, the waste dump would slide into the road and probably continue down the hill into Bayhorse Creek.
Table 2: Summary of physical and environmental hazards of sites in the greater Bayhorse area.

<table>
<thead>
<tr>
<th>AML Site Number</th>
<th>IGS Number</th>
<th>Property Name</th>
<th>Open or Partially Open Adits</th>
<th>Open Shafts</th>
<th>Open Stopes</th>
<th>Aquatic Environmental Concerns</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID-0840-00012</td>
<td>No Reference</td>
<td>Unnamed</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00013</td>
<td>CH-1215</td>
<td>Sulfide</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00014</td>
<td>CH-390</td>
<td>Riverview</td>
<td>10</td>
<td>0</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00015</td>
<td>DU-314</td>
<td>Nest Egg Magnum</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00016</td>
<td>CH-1221 and 1222</td>
<td>Badger</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00017</td>
<td>CH-1216</td>
<td>Mule Shoe</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00018</td>
<td>No Reference</td>
<td>Unnamed</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00019</td>
<td>CH-1236</td>
<td>South Butte Mine/Mill</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00020</td>
<td>No Reference</td>
<td>Unnamed</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00021</td>
<td>CH-1190</td>
<td>Last Chance Mine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00022</td>
<td>CH-393</td>
<td>Unnamed</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00023</td>
<td>CH-395</td>
<td>Unnamed</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00024</td>
<td>No Reference</td>
<td>Poverty Flat</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>ID-0840-00025</td>
<td>CH-1194</td>
<td>Silver Bell, Poverty Flat</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
SITE DESCRIPTIONS

Site ID-0084-00012 (GPS File R071819B.COR)

Unnamed Site 12 occurs along the south side of the Salmon River, approximately 2 miles east of Clayton (Table 1; Figure 1). Access to the property is achieved by crossing to the south side of the river on the steel bridge located one mile east of Clayton, and following the Clayton city dump road to the east for approximately one mile. The property is located on the hill slope above the road. Various recent trash items have been left near the road below Site 12.

The workings at Site 12 exploited a thin quartz-siderite vein that cuts the Ramshorn Slate. Hazards at this site are limited to two short open adits. The dumps of the adits are visible from Highway 75, but the openings are not. The uppermost adit requires a very steep and substantial climb to the ridge top. It had remnants of a wood powder box that was empty. The property occurs entirely on BLM-administered land. No environmental degradation was noted and the subtly visible openings do not pose a serious human health threat. Therefore, no remediation is necessary. If required, however, chain-link fencing will adequately inhibit access to the open portals.

Site ID-0084-00013 (GPS File R071922A.COR)

The Sulfide prospect, Site 13, is located on the north side of the Salmon River approximately one-half mile northwest of Site 12 (Table 1; Figure 1). The property is accessible by following a single-track dirt road from Highway 75 through a locked gate and up the hill to the north, a distance of approximately 500 feet. The waste rock, but not the adit is visible from Highway 75. In general the property is not visible from Highway 75.

Mineralization at Site 13 consists of quartz-siderite veins in the Ramshorn Slate (Figure 2). The only hazard is the one open adit. The property occurs entirely on BLM-administered land. No flowing water occurs on the property, and no significant environmental degradation was noted. Although the property is behind locked access and is not visible from the nearest public thoroughfare, it appeared that the adit had been used recently, possibly to mine decorative rock. The portal can easily be closed by fencing, though a check of active claim status should be conducted first.

Site ID-0084-00014 (GPS File R072016A.COR)

The Riverview Mine, Site 14, is located south of Bayhorse Creek, approximately one mile southeast of Bayhorse town site (Table 1; Figure 1). The property can be reached by following the Bayhorse Creek road from Highway 75 for a distance of approximately two miles, thence turning south on a single-track dirt road that crosses Bayhorse Creek and proceeding uphill for a distance of one-half mile. The property is visible from the Bayhorse Creek road.

Numerous closed and open adits, dumps and roads occur scattered across the steep east-facing hill slope. All open adits and accessible workings appear to be located on the Riverview patented claim, so they are not legally accessible. The mine developed bedding-parallel base-metal replacement veins in the Bayhorse Dolomite. No flowing water occurs on the property, and the carbonate chemical environment created by the dolomitic host strata precludes development of any acid mine drainage. Many of the workings are open, though the tunnels are generally clear and the portal backs and ribs solid. Inaccessibility to the other portals is generally due to surface sloughing rather than caving.

Hazards at the Riverview mine include ten open and accessible adits and two open and accessible stopes. Most of the openings require a short, steep hike to reach. All of these openings
appear to be located on private land that is surrounded by BLM land. Therefore, remediation could be limited to surveying and posting the boundary between private and public land. No aquatic or other significant environmental degradation was noted.

Site ID-0084-00016 (GPS File R073119A.COR)

The Badger Mine, Site 16, is located in the low hills adjacent to and north of the East Fork of the Salmon River, approximately 12 miles above the confluence with the main Salmon River (Table 1; Figure 1). Access to the property is achieved by following the East Fork road to just before the turnoff to Jimmy Smith Lake, then walking uphill to the north, approximately one-quarter mile.

The property has two developed areas; the primary workings, not visible from the East Fork road, require a short, uphill walk to the north. Prospects and short adits in this area developed a north-trending quartz vein that cuts siliciclastic sedimentary rocks of the Salmon River sequence. Six adits are situated here, but only one remains open. The other area is located on the hill slope adjacent to the East Fork road, and consists of two very short style adits. These adits are not visible from the road. The property is entirely on BLM-administered land. No flowing water is present on the property, and no environmental degradation was noted. The three open adits are not visible from the public roadway and do not pose a serious health threat. No remediation is required.

Site ID-0084-00017 (GPS File R073122A.COR)

The Mule Shoe Mine, Site 17, is located about 1000 feet in elevation above the Salmon River, south of Site 12 (Table 1; Figure 1). The property is accessible by traveling southwest along the dirt road on the south side of the Salmon River a distance of one mile from the mouth of the East Fork of the Salmon River. Thence travel south, up Spud Creek, a third-order tributary stream to the Salmon River, a distance of three-quarter miles, thence west 1.5 miles along a single-track four-wheel-drive road to the property. The site is not visible from public rights of way, and access is obscure.

Five adits and a few short dozer-cuts develop and follow a quartz-siderite vein in Ramshorn Slate near its contact with overlying Clayton Mine quartzite (Figure 2). All adits, except one, are caved and inaccessible. The one open adit is partially caved and nearly sloughed shut. The property occurs entirely on BLM-administered land. No flowing water was noted on the property, no environmental damage was noted, and no remediation is necessary.

Site ID-0084-00018 (GPS File R080116A.COR)

Unnamed Site 18 is located about 1000 feet elevation above and north of the Salmon River, near the mouth of Squaw Creek (Table 1; Figure 1). Access to the property can be accomplished by following the Squaw Creek road from the Salmon River a distance of two miles, then proceeding northeast along a good, single-track road a distance of two miles, at which point the road turns into a power-line access right-of-way. Follow this road for a distance of 1.5 miles, and then follow the four-wheel drive road for one-half mile to Site 18. This road is in good repair, but due to rocks fallen from above, the last quarter mile is not presently vehicle accessible.

The property is developed by one adit, which is still open and in good repair. In situ mineralization was not seen during the property visit but scattered float on the dump suggests that the prospect developed a thin quartz-base-metal vein in the Ella dolomite (Figure 2). The property occurs
entirely on BLM-administered land. No free-flowing water occurs on the property, and no environmental degradation was noted. Access to the property is obscure, and the open adit is not visible from public rights-of-way, so remediation is not warranted.

**Site ID-0084-00019 (GPS File R080118A.COR)**

The South Butte mine and mill, Site 19, is located along the access road to Site 18, approximately two miles from the Squaw Creek road (Table 1; Figure 1). Access to the property can be accomplished by following the Squaw Creek road from the Salmon River a distance of two miles, then proceeding northeast along a good, single-track road a distance of one mile.

The prospect includes four caved adits nestled amongst the quartzite outcrops of South Butte. The adits developed quartz-siderite veins in Ramshorn Slate, near its contact with the overlying Clayton Mine quartzite (Figure 2). The mine is situated on land administered by BLM, and the collapsed mill building is located on adjacent State of Idaho land. No free-flowing water occurs on the property, and all mine disturbances are well revegetated. No environmental degradation was noted. Dump material and uncontained coarse rejects from the mill are not sulfidic and do not pose an environmental liability. The lack of any environmental damage or safety hazards suggests that remediation is not warranted.

**Site ID-0084-00020 (GPS File R080215A.COR)**

Unnamed Site 20 consists of a single short portal located on a colluvial hill slope above the Salmon River (Table 1; Figure 1). Access to the property is achieved by turning north from Highway 75 onto a dirt road located at the confluence of the main Salmon River and the East Fork of the Salmon River, then proceeding northeasterly along the river for one mile. The property is barely visible, and is situated approximately 100 feet above the valley floor.

Mineralization on the dump suggests that prospectors were searching for copper in veins associated with metamorphosed gabbroic sills and/or dikes. Strata exposed in the portal, however, suggest that it did not penetrate bedrock. The adit is badly sloughed though accessible; the small dump size suggest less than a few tens of feet of workings. The property occurs entirely on BLM-administered land. No environmental damage was noted. The adit is very difficult to see from the nearest public roadways, so does not pose a significant human risk. If need be, the portal could be easily closed by using a track-mounted backhoe to bring down the upper bank.

**Site ID-0084-00021 (GPS File R080218A.COR)**

The Last Chance Mine, Site 21, is located at 8400 feet elevation on the south side of the Rattlesnake Creek drainage, approximately 3.5 miles south of Bayhorse town site (Table 1; Figure 1). Access to the property is achieved by crossing the bridge across the Salmon River at the Bayhorse Creek road, then immediately turning south through the locked gate. Then proceed south along the west side of the Salmon River for slightly over one mile, thence westerly uphill for a distance of 1.5 miles to the turnoff to the Turtle Mine. Proceed south for approximately one mile to near Site 4 (see previous Challis report) then take the sharp switchback and proceed northwesterly along the four-wheel-drive road for one mile to the property. The property is in timber and concealed from view.

Four caved adits developed a north-south-trending quartz-siderite vein in the Ramshorn Slate (Figure 2). The property occurs near the boundary between BLM- and Forest-Service-administered
lands, but all mine disturbances are on BLM land. No free-flowing water occurs on the property, and no environmental degradation was noted. Remediation is not warranted.

**Site ID-0084-00022 (GPS File R080319A.COR)**

Unnamed Site 22 is located in the Bayhorse Creek drainage, approximately one-half mile southwest of Bayhorse town site (Table 1; Figure 1). The property can be reached by traveling west on the Bayhorse Creek road to a point one mile west of Bayhorse town site, then turning south on a four-wheel-drive road, and then proceeding southeast for approximately three-quarters of a mile to the first switchback. The property is located on the hillslope immediately above the switchback. The property is not visible from public rights-of-way.

The property consists of five adits, two of which are open, but nearly sloughed shut at the portal. The remaining three adits appear to explore an east-west-trending zone of mineralization in the Garden Creek phyllite (Figure 2), though no outcropping mineralization is exposed. The property occurs entirely on BLM-administered land. There is no free-flowing water on the property. No significant environmental degradation was noted. No remediation is warranted, though the two open adits may pose a slight risk to wayward travelers. These adits could be easily closed using a track-mounted backhoe.

**Site ID-0084-00023 (GPS File R080321A.COR)**

Unnamed Site 23 is located at 8400 feet elevation, in the upper reaches of an unnamed drainage that flows northeasterly into Bayhorse Creek between Bayhorse town site and the Riverview mine (Table 1; Figure 1). The property lies at the end of the access road that passes by Site 22. Access is achieved by traveling west on the Bayhorse Creek road to a point one mile west of Bayhorse town site, then turning south on a four-wheel-drive road, and proceeding southeast for approximately three-quarters of a mile to Site 22, thence to the south, a distance of slightly more than one mile, to the end of the road. The property is situated on an open north-facing slope above tree line. It is remote, and not visible from any public thoroughfare.

No mineralization was observed at Site 23. Though two adits are shown on the property map accompanying this report, they are only a few feet long and pose no human risk. The property occurs entirely on BLM-administered land. No free-flowing water occurs on the property. No environmental degradation was noted. Remediation is not warranted.

**Site ID-0084-00024 (GPS File R081415A.COR)**

Numerous small mines and prospects on Poverty Flat define a broad area of semi-continuous prospecting. Sites 24 and 25 were separated in the field for logistical purposes, so are treated separately here as well. Only one of the prospects has a historic name, the Silver Bell. Site 25 is located where historic literature shows the Silver Bell mine, however, it is possible that the Silver Bell is actually located at Site 24, based on the more extensive set of mine workings.

Poverty Flat, is reached by turning north from Highway 75 onto a dirt road located at the confluence of the main Salmon River and the East Fork of the Salmon River. Proceed northeasterly along the river for one mile to site 20, then proceed northwesterly up the third order stream on a four-wheel-drive road. Switchback out of the drainage bottom and proceed up through several switchbacks, for approximately three miles, to an elevation of 9200 feet. Site 24 is situated at this
southerly point of access to Poverty Flat. The site is not visible from any primary public right-of-way and travel to the property is somewhat difficult.

Poverty Flat is a high north-south oriented plateau located along the crest of the Bayhorse anticline. Stratigraphically the plateau is near the contact between the Ramshorn Slate and the overlying Clayton Mine quartzite. Mineralization here consists of quartz-siderite veins that cut Ramshorn Slate. Two open adits and one open, but partially caved stope were noted. No free flowing water occurs on site, though a small seep is emanating from Adit 12. The water forms a small standing pool on Dump 14, but does not flow down gradient into a surface drainage. This small amount of water, that re-enters the substrate, does not pose a serious environmental threat. No other environmental degradation was noted. The property occurs entirely on land administered by the BLM. The three openings noted provide a very small human risk because of their obscure location. Therefore, no remediation is recommended.

Site ID-0084-00025 (GPS File R081418A.COR)

The Silver Bell, Site 25, is located immediately north of Site 24 The site is reached by turning north from Highway 75 onto a dirt road located at the confluence of the main Salmon River and the East Fork of the Salmon River. Proceed northeasterly along the river for one mile to site 20, then proceed northwesterly up the third order stream on a four-wheel-drive road. Switchback out of the drainage bottom and proceed up through several switchbacks, for approximately three miles, to site 24, at an elevation of 9200 feet. Then proceed approximately one-half mile to the north along the high plateau to Site 25. The site is not visible from any primary public right-of-way and travel to the property is somewhat difficult.

Mineralization at Site 25 is identical to that at Site 24, quartz-siderite veins that cut Ramshorn Slate. No adits or mine openings were noted. The U.S. Geological Survey Bald Mountain quadrangle map shows a shaft symbol at Silver Bell; this site was relocated, the surrounding area searched, and no evidence of a shaft was found. Apparently, the shaft shown on the map represents a misinterpretation of aerial photography. Site 25 occurs at a land administration boundary. The northern part of the property is situated on land administered by the Forest Service, and that to the south by the BLM. No free-flowing water occurs on the property, no environmental degradation was noted, and no mine access points remain open. Therefore, no remediation is warranted.
REFERENCES


SITE INSPECTION REPORTS
FOR A
PORTION OF THE CHALLIS AREA
BUREAU OF LAND MANAGEMENT
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1D-0084-00012
Site/Mine Name: Unnamed
Primary Commodity: 260 (Au)
IGS Number: none in database

B. LOCATION DATA
USGS Quad: Bald Mountain 7.5
LAT: _  _  _ LONG:  _  _  _ OR
UTM Coord: 4903266 N 710672 E Zone 11 AND
Township: 11N Range: 18E Section: 29 Subdivision: NW SE
Meridian: 08 County: Custer 037
Surface: BLM X / Non-BLM ____ Mineral Estate: BLM X / Non-BLM ____

C. ACCESS
Visible from: Nearest road 3 / Trail 3 / Population center 0
Access by: 2wd ____ / 4wd ____ / Hike X / Other ____
Access disturbance in need of reclamation: Length ____ / Width ____ / Acres ____
Road Log: Near old landfill site, off dirt road along the south side of Salmon River
Recent human use: N Describe: 1 broken bottle on lower part of the trail

D. SITE DESCRIPTION
Acreage: 10 Elevation: 5500-6200
General slope (degrees): 0-10 ____ / 11-35 X ____ / >35 ____
Floodplain: Disturbance in ____ / Adjacent to ____ / NA X
Recent mineral activity N Describe: old claim post, faded pvc

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 2 / Closed adits 1 / Open inclines ____ / Closed inclines ____
Open shafts ____ / Closed shafts ____ / Stopes ____
Other openings ____ Type
Trenches ____ Length ________ / Prospects 2 ____ / Open drill holes ____
Pits >30 ft. deep ____ / Pits <30 ft. deep ____ / Pit highwall length ________
Waste dumps: <0.1 ac 4 ____ / 0.1 - 5 ac ____ / >5 ac ____
Tailings: <0.1 ac ____ / 0.1 - 5 ac ____ / >5 ac ____
Heaps ____ / Dredge ____
Ponds ____ / Dams ____
Mills N Type ____ , ____ , ____
Explosives ? Describe: 2 old wooden powder boxes in Adit 2. They appear to be empty except for some "dirt" and are in poor condition about 5 feet inside portal.
Equipment/Machinery ____ / Headframes ____ / Trestles/tramways ____
Powerlines ____
Structures ____ Type
Condition: Good ____ / Fair ____ / Poor ____ / Number Locked ____
Homesites ____
Other: a few old timbers near adits 1 and 3

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed ___ / Dead ___ / Nonexistent ___
Evidence of natural revegetation: ___ / Describe: sage and grass on trail

ANIMALS
Evidence: X / Presence: ___ / Describe: Lots of deer scat

GEOLOGY
Staining of soils N / Describe:
Sulfide minerals N / Type(s): Quartz and siderite vein; Trace Cu, Fe stain on dump
Tailings: Confined ___ / Unconfined ___ / Unknown ___

HYDROLOGY
Water flowing from workings: ___
Standing water in workings: ___
Water through/over tailings: ___
    waste rock: ___
    ore: ___
Adjacent water sources:
    Ground water: ___
    Surface water: ___
    Surface H2O above site: ___
    Surface H2O below site: ___

Evidence of aquatic life ___ / Location: _______ / Describe:

Water bed color: White ___ / Yellow ___ / Yellow-Orange ___ / Orange ___
    Brown ___ / Green ___ / Grey-Black ___ / Other

Samples collected: ___ / Sketch #__(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ___ / Acid or Chemical odor ___ / Asbestos ___
Petrochemical Products ___ / Dump sites ___
Power Substations ___ / Transformers ___

Barrels, Tanks, Containers ___ / Leaking ___ / Contents: 2 old powder boxes (no visible tubes)
Evidence of Underground Storage Tanks ___ / Describe:

Other:

RADIATION
Background Sketch # mR/hr gamma WL alpha
Adit/Incline
Shaft (03/95)
H. RECLAMATION

SITE CONDITIONS
Erosion: Rills X / Gullies / Sheetwash
Unstable Rock X / Slope instability N / Wind erosion
(By adit 2)

MITIGATION STATUS
None N / Fencing / Signs / Safety hazards mitigated
Other:

Mitigation condition: Good / Fair / Poor
Site ID tags: / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

Cable nets, grates / Topsoil, soil amendments
Permanent seal / Revegetation
Gates / Stabilize/destroy structures
Backfill openings, pit / Drainage control
Recontour / Water treatment
Fences / Wildlife closure
Warning signs / No action
Plug open drill holes / Trash / clean up
Other:

May want to check the empty powder boxes, but strenuous hike needed to reach Adit 2, so visitors unlikely.

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Y
Rover File name: R071819B

K. PHOTOGRAPHS
Number of photographs taken: Roll 01-4 (neg. # 6818), #10-15 (6 photos)

L. ACTION
Site requires immediate investigation by: Law Enforcement / BLM / HAZMAT / Other

Reason:

(03/95)
Figure 12-1: Site 12 location map.
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1</td>
<td>5 ft</td>
<td>2 ft</td>
<td>2 ft</td>
<td>Caved portal, timbers visible from highway</td>
</tr>
<tr>
<td>point 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dump 1</td>
<td>60 ft</td>
<td>30 ft</td>
<td>8 ft</td>
<td>OK</td>
</tr>
<tr>
<td>Adit 2</td>
<td>50 ft</td>
<td>5 ft</td>
<td>6 ft</td>
<td>OPEN w/ 2 wood powder boxes 5' inside adit.</td>
</tr>
<tr>
<td>Dump 2</td>
<td>80 ft</td>
<td>30 ft</td>
<td>2 ft</td>
<td>OK</td>
</tr>
<tr>
<td>Prospect 1</td>
<td>10 ft</td>
<td>10 ft</td>
<td>5 ft</td>
<td>OK, closest to road</td>
</tr>
<tr>
<td>Adit 3</td>
<td>40 ft</td>
<td>4 ft</td>
<td>5 ft</td>
<td>OPEN but hidden by brush</td>
</tr>
<tr>
<td>Dump 3</td>
<td>50 ft</td>
<td>20 ft</td>
<td>2 ft</td>
<td></td>
</tr>
</tbody>
</table>

Field Notes: Adit 1 has prominent, white-colored dump on hillside south of Salmon River. Adit 2 is in slot on the ridge up hill from Adit 1. Dump from Adit 2 is brown and extends down from trees. Quartz-siderite vein with white bull quartz in slate is on Dump 2. Two old, wood powder/dynamite boxes lie inside Adit 2. No actual sticks visible. Boxes are open and appear empty. Strenuous hike is needed to reach Adit 2. Adit 3 is northeast of Adit 1, and it has faintly visible dump over the talus. Some lumber with nails is on top of dump. Quartz vein system cuts diorite at Adit 3. Garmin GPS coordinates on Adit 3 are: 4903265 N and 0710751 E. Also noted faded PVC claim post west of Adit 1.

INSPECTED BY: V. Gillerman
INSPECTED BY: T. Morrison
TITLE: Geologist
DATE: 7-18-01
TITLE: Geologist
DATE: 7-18-01

(03/95)
Fill out the following for each photo:

<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-4</td>
<td>10</td>
<td>150</td>
<td>Adit 1, portal caved</td>
</tr>
<tr>
<td>01-4</td>
<td>11</td>
<td>190</td>
<td>Adit 2</td>
</tr>
<tr>
<td>01-4</td>
<td>12</td>
<td>190</td>
<td>Adit 2 with powder boxes</td>
</tr>
<tr>
<td>01-4</td>
<td>13</td>
<td>190</td>
<td>Adit 2 with powder boxes</td>
</tr>
<tr>
<td>01-4</td>
<td>14</td>
<td>220</td>
<td>Adit 2- slot in rocks just below ridge</td>
</tr>
<tr>
<td>01-4</td>
<td>15</td>
<td>135</td>
<td>Adit 3 -open behind bush</td>
</tr>
</tbody>
</table>

(Neg. 6818)
Figure 12-2: Adit #1, portal is caved. View looking 150 degrees. (Roll 01-4, Neg #6818, Frame 10; photograph by V. S. Gillerman; July 18, 2001).

Figure 12-3: Adit #2. With wooden powder boxes. View looking 190 degrees. (Roll 01-4, Neg #6818, Frame 11, photograph by V. S. Gillerman; July 18, 2001).
Figure 12-4: Adit #2, wooden powder boxes. View looking 190 degrees (Roll 01-4, Neg #6818, Frame 12; photograph by V. S. Gillerman, July 18, 2001).

Figure 12-5: Adit #2. Wooden powder boxes. View looking 190 degrees. (Roll 01-4, Neg #6818, Frame 13, photograph by V. S. Gillerman, July 18, 2001).
Figure 12-6: Adit #2, Slot in rocks. View looking 220 degrees. (Roll 01-4, Neg #6818, Frame 14, photograph by V. S. Gillerman, July 18, 2001).

Figure 12-7: Adit #3, Portal open behind bushes. View looking 135 degrees. (Roll 01-4, Neg #6818, Frame 15, photograph by V. S. Gillerman, July 18, 2001).
BUREAU OF LAND MANAGEMENT
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1D - 0084 - 00013
Site/Mine Name: Sulfide Primary Commodity: 260 (Au?) Or Rock
IGS Number: CH-1215 Sulfide prospect? USGS Bulletin B-877
** Challis BLM Resource Area refers to prospect as Gray Badger but IGS Database indicates it is
called the Sulfide Prospect.

B. LOCATION DATA
USGS Quad: Bald Mountain 7.5 LAT: ___ LONG: ___ OR
UTM Coord: 4903686 N 710082 E Zone 11 AND
Township: 11 N Range: 18 E Section: 29 Subdivision: NW NW
Meridian: 08 County: 037 Custer
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM X / Non-BLM ___

C. ACCESS
Visible from: Nearest road ___ Trail ___ Population center ___
Access by: 2wd ___ 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ Width ___ Acres ___
Road Log: is adjacent to highway, but mine road has a locked chain across it.

Recent human use: X Describe: Rock pallet on dump and cardboard box inside adit

D. SITE DESCRIPTION
Acreage: <5 Elevation: 5573 ft
General slope (degrees): 0-10 ___ / 11-35 X / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity Y Describe: rock (slate) stacked neatly on wooden pallet by
adit ___

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 1 / Closed adits ___ / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stoops ___
Other openings ___ Type ___
Trenches ___ Length ___ / Prospects ___ / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac 1 / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ , ___ , ___ NO
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___
Structures 0 Type ___
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other:

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed ____ / Dead ____ / Nonexistent ____
Evidence of natural revegetation: ____ / Describe: sage on slopes and road

ANIMALS
Evidence: ____ / Presence: ____ / Describe: deer scat

GEOLOGY
Staining of soils ____ Describe: quartz and siderite vein
Sulfide minerals ____ Type(s):
Tailings: Confined ____ / Unconfined ____ / Unknown ____

HYDROLOGY (dry)
Water flowing from workings: ____
Standing water in workings: ____
Water through/over tailings:
   waste rock: ____
   ore: ____
Adjacent water sources:
   Ground water: ____
   Surface water: ____
   Surface H2O above site: ____
   Surface H2O below site: ____
Evidence of aquatic life ____ Location: ____ Describe:

Water bed color: White ____ / Yellow ____ / Yellow-Orange ____ / Orange ____
   Brown ____ / Green ____ / Grey-Black ____ / Other

Samples collected: ____ Sketch #(#s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ____ / Acid or Chemical odor ____ / Asbestos ____
Petrochemical Products ____ / Dump sites ____
Power Substations ____ / Transformers ____

Barrels, Tanks, Containers ____ Leaking ____ Contents:
Evidence of Underground Storage Tanks ____ Describe:

Other:

RADIATION
Background Sketch # mR/hr gamma WL alpha
Adit/Incline
Shaft
Other:
BLM AML INVENTORY FIELD CHECKLIST

H. RECLAMATION

SITE CONDITIONS
Erosion: Rills X / Gullies X / Sheetwash ___
Unstable Rock ____ / Slope instability ____ / Wind erosion ____

MITIGATION STATUS
None ____ / Fencing ____ / Signs ____ / Safety hazards mitigated ____
Other: chain across road

Mitigation condition: Good ____ / Fair ____ / Poor ____
Site ID tags: ____ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates ___ Topsoil, soil amendments
___ Permanent seal ___ Revegetation
X Gates ___ Stabilize/destroy structures
___ Backfill openings, pit ___ Drainage control
___ Recontour ___ Water treatment
___ Fences ___ Wildlife closure
___ Warning signs ___ No action
___ Plug open drill holes ___ Trash / clean up
___ Other: Check to see how far the adit goes back and is accessible. May want to close or
gate adit, since it is only a few feet from highway. Should check to see if current claims.

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page
6.

J. GLOBAL POSITIONING SYSTEM DATA ___ Rover File name: R071922 a

K. PHOTOGRAPHS
Number of photographs taken: Roll 01-5 (neg. 6815), frames 7-9, 3 photos taken

L. ACTION
Site requires immediate investigation ____ by: Law Enforcement ____ / BLM ____
HAZMAT ____ / Other

Reason:

(03/95)
Figure 13-1: Sulfide Mine location map.
### M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1</td>
<td>50 ft plus</td>
<td>8 ft</td>
<td>6-8 ft</td>
<td>OPEN in colluvium</td>
</tr>
<tr>
<td>Waste dump</td>
<td>20 ft</td>
<td>30 ft</td>
<td>4 ft</td>
<td>OK</td>
</tr>
</tbody>
</table>

**Field Notes:**
Open adit is only a few hundred feet from Highway 75; access road and dumps are easily visible. Tunnel goes in at least 50 ft and is partially caved. Could hear water dripping, appears to have been used within the last year. A pile of rocks was stacked inside adit entrance, along with piece of drill steel. Tunnel splits just inside portal to go around pillar of rock, but then rejoins and appears to extend a significant distance past partly caved zone. Cemented alluvium at portal is surprisingly competent.
Fill out the following for each photo:

<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-5</td>
<td>07</td>
<td>020</td>
<td>Adit 1 - note the two entrances</td>
</tr>
<tr>
<td>01-5</td>
<td>08</td>
<td>0</td>
<td>Adit 1 interior with partial cave in</td>
</tr>
<tr>
<td>01-5</td>
<td>09</td>
<td>025</td>
<td>Adit 1 w/ pallet of grey slate in front</td>
</tr>
<tr>
<td>(Neg. 6815)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(03/95)
Figure 13-2: Adit #1, note there are two entrances. View looking 020 degrees. (Roll 01-5, Neg #6815, Frame 7; photograph by V. S. Gillerman; July 19, 2001).

Figure 13-3: Adit #1, Interior with partial cave in. View looking 0 degrees. (Roll 01-5, Neg #6815, Frame 8; photograph by V. S. Gillerman; July 19, 2001).
Figure 13-4: Adit #1, with a pallet of grey slate in front. View looking 025 degrees. (Roll 01-5, Neg #6815, Frame 9; photograph by V. S. Gillerman; July 19, 2001).
A. SITE IDENTIFICATION
ID Number: 1 D 0 8 4 0 0 0 1 4
Site/Mine Name: Riverview
Primary Commodity: 540 (Ag, Pb, Cu)
IGS Number: CH-390

B. LOCATION DATA
USGS Quad: Bayhorse
LAT: ___________ LONG: ___________ OR
UTM Coord: 4918130 N 715355 E Zone 11 AND
Township: 12 N Range: 18 E Section: 11
Meridian: 08
County: 037 Custer
Surface: BLM X / Non-BLM X
Mineral Estate: BLM X / Non-BLM X

C. ACCESS
Visible from: Nearest road 3 / Trail 3 / Population center NA
Access by: 2wd ___ / 4wd X / Hike X / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: Up 4wd

Recent human use: Y Describe: Minor clothes, beer bottles, tire tracks

D. SITE DESCRIPTION
Acreage: 40
Elevation: 6200-7000
General slope (degrees): 0-10 ___ / 11-35 X ___ / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA ___
Recent mineral activity N Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits ___ 10 / Closed adits ___ 9 / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stope ___ 2
Other openings ___ Type ___
Trenches ___ Length ___ / Prospects ___ 2 / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___, ___, ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___
Structures 5 Type collapsed wood cabins, 1 shed, stone foundation
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other: misc. Lumber and iron, wooden ore bin by Adit 1 on dump

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed / Dead / Nonexistent
Evidence of natural revegetation: / Describe:
Sage and plants on old mine roads

ANIMALS
Evidence: X / Presence: / Describe: deer scat

GEOLOGY
Staining of soils Y / Describe: minor Fe in limestone
Sulfide minerals 0 / Type(s): oxidized-CuOx, Pb Ox Fe Ox
Tailings: Confined / Unconfined / Unknown

HYDROLOGY
No water on site

Sketch #
Water flowing from workings:
Standing water in workings:
Water through/over tailings:
Waste rock:
Ore:
Adjacent water sources:
Ground water:
Surface water:
Surface H2O above site:
Surface H2O below site:
Evidence of aquatic life / Location: / Describe:

Water bed color:
White / Yellow / Yellow-Orange / Orange
Brown / Green / Orange-Black / Other

Samples collected: / Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills / Acid or Chemical odor / Asbestos
Petrochemical Products Y (See below) / Dump sites
Power Substations / Transformers

Barrels, Tanks, Containers / Leaking / Contents:
Evidence of Underground Storage Tanks / Describe:

Other: heating oil and old furnace in wood shed on Dump 6

RADIATION
Background
Adit/Incline
Shaft
Other:

Sketch # mR/hr gamma WL alpha

(03/95)
H. RECLAMATION

SITE CONDITIONS
Erosion: Rills X / Gullies / Sheetwash
Unstable Rock X / Slope instability X / Wind erosion
Lots of unstable talus and waste dumps; rock slides over mine roads.

MITIGATION STATUS
None / Fencing / Signs 1 / Safety hazards mitigated 0
Other:

Mitigation condition: Good X / Fair / Poor
Site ID tags: / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

Cable nets, grates / Permanent seal / Topsoil, soil amendments
X Gates / Stabilize/destroy structures
Backfill openings, pit / Drainage control
Recontour / Water treatment
Fences / Wildlife closure
X Warning signs / No action
Plug open drill holes / Trash / clean up
Other:

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Y Rover File name: R072016A

K. PHOTOGRAPHS
Number of photographs taken: 12, roll 01-5 frame 10-21 Also Roll 01-6

L. ACTION
Site requires immediate investigation by: Law Enforcement / BLM / HAZMAT / Other
Reason:

(03/95)
Figure 14-1: Riverview Mine location map.
### BLM AML INVENTORY FIELD CHECKLIST

**ID Number:** ID 0084-00014  
**IGS:** CH-390

#### M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (upper main adit)</td>
<td>50 ft+</td>
<td>4 ft</td>
<td>5 ft</td>
<td>OPEN, cold air coming out of door</td>
</tr>
<tr>
<td>Dump 1 (for Adit 1)</td>
<td>150 ft</td>
<td>100 ft</td>
<td>6 ft</td>
<td></td>
</tr>
<tr>
<td>Stockpile (Other 1)</td>
<td>20 ft</td>
<td>6 ft</td>
<td>4 ft</td>
<td>Oxide ore</td>
</tr>
<tr>
<td>Stope 1 and 2</td>
<td>20 ft+</td>
<td>15 ft</td>
<td>4 ft</td>
<td>OPEN (part caved)</td>
</tr>
<tr>
<td>Stone cabin</td>
<td></td>
<td></td>
<td></td>
<td>by Stope 2 dump</td>
</tr>
<tr>
<td>Adit 2</td>
<td>60 ft+</td>
<td>4 ft</td>
<td>5 ft</td>
<td>OPEN</td>
</tr>
<tr>
<td>Dump 2</td>
<td>75 ft</td>
<td>40 ft</td>
<td>6 ft</td>
<td>OK</td>
</tr>
<tr>
<td>Adit 3</td>
<td>hole</td>
<td></td>
<td></td>
<td>caved</td>
</tr>
<tr>
<td>Adit 4</td>
<td>50 ft+</td>
<td>8 ft</td>
<td>5 ft</td>
<td>OPEN</td>
</tr>
<tr>
<td>Dump 4</td>
<td>30 ft</td>
<td>20 ft</td>
<td>3 ft</td>
<td>None</td>
</tr>
<tr>
<td>Stope 3 Dumps</td>
<td>40 ft</td>
<td>10 ft</td>
<td>2</td>
<td>OPEN, behind shrub</td>
</tr>
<tr>
<td>Adit 5</td>
<td>60 ft</td>
<td>10 ft</td>
<td>4 ft</td>
<td>OPEN by #4</td>
</tr>
<tr>
<td>Prospect 1</td>
<td></td>
<td></td>
<td></td>
<td>50 ft below</td>
</tr>
<tr>
<td>Adit 6 (lower main headwall)</td>
<td>30 ft vertical headwall</td>
<td></td>
<td></td>
<td>Caved</td>
</tr>
<tr>
<td>Dump 6</td>
<td>100 ft</td>
<td>200 ft</td>
<td>8 ft</td>
<td>OK, Large</td>
</tr>
<tr>
<td>Adit 7/Dump 7</td>
<td>50 ft</td>
<td>30 ft</td>
<td>4 ft</td>
<td>Caved</td>
</tr>
<tr>
<td>Stopes 4-6</td>
<td>BRUCE-did you call these adits?</td>
<td></td>
<td></td>
<td>In cliff Not visited</td>
</tr>
<tr>
<td>Adit 8 (lower most)</td>
<td>60 ft</td>
<td>40 ft</td>
<td>4 ft</td>
<td>Caved</td>
</tr>
</tbody>
</table>
### BLM AML INVENTORY FIELD CHECKLIST

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height/Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 9</td>
<td>caved</td>
<td>4 feet</td>
<td>6 ft.</td>
<td>None</td>
</tr>
<tr>
<td>Adit 10</td>
<td>open</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>OPEN</td>
</tr>
<tr>
<td>Adit 11</td>
<td>caved</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>None</td>
</tr>
<tr>
<td>Adit 12</td>
<td>open</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>None</td>
</tr>
<tr>
<td>Adit 13</td>
<td>caved</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>None</td>
</tr>
<tr>
<td>Adit 14</td>
<td>open, ?</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>OPEN, actually 3 adits close together.</td>
</tr>
<tr>
<td>Adit 15</td>
<td>caved</td>
<td>4 ft.</td>
<td>6 ft.</td>
<td>None</td>
</tr>
</tbody>
</table>

### Field Notes:

The Riverview mine is a large property with dumps and mine openings in the cliff visible from main Bayhorse Lakes road. There is a fairly good 4WD road which goes to the main dumps. The property was visited on two separate days. On the first day (7/20/2001), the Trimble GPS was not able to receive satellites near any of the upper adits (# 2-5) and stopes. The mine area was revisited on _____ when a back up Garmin GPS was available.

Adit 1 sits on top a huge dump of limestone. The adit is open with a timber portal. Cold air is coming out. Probable ore stockpiled on the dump was all oxidized. Old clothes and tire tracks on the road to Adit 1 are evidence of recent visits. Road 2 zigzags up the extension from Adit 1 and is blocked by large rockslide. The waste dumps all merge with coarse talus from the limestone cliffs on the west side of Bayhorse Creek.

Stope 1 is open behind an outcrop next to one of the upper dumps. Stope 2, also open, still has wood stuff sets in place. A stone cabin foundation in good shape sits at about elevation 6860' on top of the dump. Adit 2 trends in with a 260 degrees azimuth. Adit 3 is caved, and a hole below and east of # 2. Adit 4 is open, extending in about 20 feet before branching. It is in good shape in limestone cliff at the top of a smallish dump.

There are several other open stopes and modest size dumps visible above Adits 2-4. Those workings are open, but very difficult to access.

Adit 6 is the lower main adit and sits on top very large Dump 6. The adit is caved and a 30' headwall exists above the caved adit. There is a wood shed on the dump with an old furnace and heating oil which has soaked into the wood. There is one “DANGER -Unsafe Mine” sign from the Nevada Division of Minerals. A collapsed wood cabin site sits nearby.

**INSPECTED BY:** Virginia Gillerman  
**TITLE:** Geologist  
**DATE:** 7-20-2001

**INSPECTED BY:** Tracy B. Morrison  
**TITLE:** Geologist  
**DATE:** 7-20-2001

**INSPECTED BY:** Bruce Otto  
**TITLE:** Geologist  
**DATE:** 8-03-2001

**INSPECTED BY:** Tracy B. Morrison  
**TITLE:** Geologist  
**DATE:** 8-03-2001
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-5</td>
<td>10</td>
<td>300</td>
<td>Riverview overview</td>
</tr>
<tr>
<td>(Neg. 6815)</td>
<td>11</td>
<td>310</td>
<td>Riverview, upper adit</td>
</tr>
<tr>
<td>01-5</td>
<td>12</td>
<td>290</td>
<td>Adit 1 with wooden door (upper main)</td>
</tr>
<tr>
<td>01-5</td>
<td>13</td>
<td>0</td>
<td>Ore bin, good shape with stockpile and adit</td>
</tr>
<tr>
<td>01-5</td>
<td>14</td>
<td>230</td>
<td>Stope 1</td>
</tr>
<tr>
<td>01-5</td>
<td>15</td>
<td>210</td>
<td>Stope 2</td>
</tr>
<tr>
<td>01-5</td>
<td>16</td>
<td>260</td>
<td>Adit 2, open on top</td>
</tr>
<tr>
<td>01-5</td>
<td>17</td>
<td>310</td>
<td>Adit 4, open on cliff</td>
</tr>
<tr>
<td>01-5</td>
<td>18</td>
<td>290</td>
<td>Upper stopes in cliff, not visited</td>
</tr>
<tr>
<td>01-5</td>
<td>19</td>
<td>260</td>
<td>Adit 6, lower main, caved with tall headwall</td>
</tr>
<tr>
<td>01-5</td>
<td>20</td>
<td>010</td>
<td>Shed and &quot;Danger-unsafe mine&quot; sign from Nevada</td>
</tr>
<tr>
<td>01-5</td>
<td>21</td>
<td>270</td>
<td>Adit 7, caved wood portal</td>
</tr>
<tr>
<td>01-5</td>
<td>22</td>
<td>280</td>
<td>Caved Adit 7</td>
</tr>
<tr>
<td>01-5</td>
<td>23</td>
<td>270</td>
<td>Open Adit 10</td>
</tr>
<tr>
<td>01-5</td>
<td>24</td>
<td></td>
<td>Open Adit 12</td>
</tr>
<tr>
<td>01-5</td>
<td>25</td>
<td>270</td>
<td>Caved stope 7</td>
</tr>
<tr>
<td>01-5</td>
<td>26</td>
<td>200</td>
<td>Caved Adit 13</td>
</tr>
<tr>
<td>01-5</td>
<td>27</td>
<td></td>
<td>Three Open adits - 14</td>
</tr>
<tr>
<td>01-5</td>
<td>28</td>
<td>180</td>
<td>Misfire</td>
</tr>
<tr>
<td>01-5</td>
<td>29</td>
<td>190</td>
<td>Small unreferenced adit near adit 14</td>
</tr>
<tr>
<td>01-5</td>
<td>30</td>
<td>270</td>
<td>Overview of Adit 14 area</td>
</tr>
<tr>
<td>01-5</td>
<td>31</td>
<td>340</td>
<td>Open Adit 5</td>
</tr>
<tr>
<td>01-5</td>
<td>32</td>
<td>190</td>
<td>Open Adit 4</td>
</tr>
<tr>
<td>01-5</td>
<td>33</td>
<td>180</td>
<td>Open Adit 3</td>
</tr>
<tr>
<td>01-5</td>
<td>34</td>
<td>180</td>
<td>Open Stope 2</td>
</tr>
<tr>
<td>01-6</td>
<td>27</td>
<td></td>
<td>Open Adit 15</td>
</tr>
<tr>
<td>01-6</td>
<td>28</td>
<td>180</td>
<td>Small unreferenced adit near adit 14</td>
</tr>
<tr>
<td>01-6</td>
<td>29</td>
<td>190</td>
<td>Overview of Adit 14 area</td>
</tr>
<tr>
<td>01-6</td>
<td>30</td>
<td>270</td>
<td>Open Adit 5</td>
</tr>
<tr>
<td>01-6</td>
<td>31</td>
<td>340</td>
<td>Open Adit 4</td>
</tr>
<tr>
<td>01-6</td>
<td>32</td>
<td>190</td>
<td>Open Adit 3</td>
</tr>
<tr>
<td>01-6</td>
<td>33</td>
<td>180</td>
<td>Open Stope 2</td>
</tr>
<tr>
<td>01-6</td>
<td>34</td>
<td>180</td>
<td>Open Adit 15</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----</td>
<td>----</td>
<td>----</td>
<td>---------------------</td>
</tr>
<tr>
<td>01-6</td>
<td>35</td>
<td>270</td>
<td>Caved adit 16</td>
</tr>
<tr>
<td>01-6</td>
<td>36</td>
<td>240</td>
<td>Overview of Riverview</td>
</tr>
<tr>
<td>01-6</td>
<td>36a</td>
<td>240</td>
<td>Overview of Riverview</td>
</tr>
</tbody>
</table>
Figure 14-2: Overview of the Riverview Mine site. View looking 300 degrees. (Roll 01-5, Neg #6815, Frame 10, photograph by V. S. Gillerman; July 20, 2001).

Figure 14-3: Riverview Mine Upper adit. View looking 310 degrees. (Roll 01-5, Neg #6815, Frame 11 photograph by V. S. Gillerman; July 20, 2001).
Figure 14-4: Adit #1 with a wooden door (Upper adit). View looking 290 degrees (Roll 01-5, Neg #6815, Frame 12, photograph by V. S. Gillerman; July 20, 2001).

Figure 14-5: Ore bin that is in good shape with stockpile and adit. View looking 0 degrees. (Roll 01-5, Neg #6815, Frame 13 photograph by V. S. Gillerman, July 20, 2001).
Figure 14-6: Stope #1. View looking 230 degrees. (Roll 01-5, Neg #6815, Frame 14, photograph by V. S. Gillerman; July 20, 2001).

Figure 14-7: Stope #2. View Looking 210 degrees. (Roll 01-5, Neg #6815, Frame 15 photograph by V. S. Gillerman; July 20, 2001).
Figure 14-8: Adit #2, open at the top. View looking 260 degrees. (Roll 01-5, Neg #6815, Frame 16; photograph by V. S. Gillerman; July 20, 2001).

Figure 14-9: Adit #4 open on cliff. View Looking 310 degrees. (Roll 01-5, Neg #6815, Frame 17 photograph by V. S. Gillerman; July 20, 2001).
Figure 14-10: Upper stopes in cliff that were not visited. View looking 290 degrees. (Roll 01-5, Neg #6815, Frame 18, photograph by V. S. Gillerman; July 20, 2001).

Figure 14-11: Adit #6 lower main, caved with tall headwall. View Looking 260 degrees. (Roll 01-5, Neg #6815, Frame 19 photograph by V. S. Gillerman; July 20, 2001).
Figure 14-12: Adit #7 with caved wooden portal. View looking 270 degrees. (Roll 01-5, Neg #6815, Frame 21; photograph by V. S. Gillerman; July 20, 2001).

Figure 14-13: Shed with “Danger-Unsafe Mine” sign from Nevada. View looking 010 degrees. (Roll 01-5, Neg #6815, Frame 20; photograph by V. S. Gillerman, July 20, 2001).
Figure 14-14: Adit #10, open. Sited as GPS plot 11. View looking 010 degrees. (Roll 01-6, Neg #9215, Frame 22; photograph by V. S. Gillerman; July 20, 2001).
Figure 14-15: Adit #7 with caved, wooden portal. View looking 270 degrees. GPS 10 (Roll 01-6, Neg. 9215, Frame 21; photograph by Bruce Otto; August 2, 2001).

Figure 14-16: Adit #12 open. View Looking 270 degrees. (Roll 01-6, Neg #9215, Frame 23; photograph by Bruce Otto; August 2, 2001).
Figure 14-17: Stope #7, caved. (Roll 01-6, Neg #9215, Frame 24; photograph by Bruce Otto; August 2, 2001).
Figure 14-18: Adit #13 caved. View Looking 270 degrees. (Roll 01-6, Neg #9215, Frame 25; photograph by Bruce Otto; August 2, 2001).
Figure 14-19: Adit #14, caved. View looking 200 degrees. (Roll 01-6, Neg #9215, Frame 26; photograph by Bruce Otto, August 2, 2001).
Figure 14-20: Small caved unreferenced adit near adit #14. View Looking 180 degrees. (Roll 01-6, Neg #9215, Frame 28, photograph by Bruce Otto; August 2, 2001).

Figure 14-21: Overview of Adit # 14 area. View looking 180 degrees. (Roll 01-6, Neg #9215, Frame 29, photograph by Bruce Otto; August 2, 2001).
Figure 14-22: Adit #5, open. View Looking 270 degrees. (Roll 01-6, Neg #9215, Frame 30; photograph by Bruce Otto, August 2, 2001).

Figure 14-23: Adit #4, open. View looking 340 degrees. (Roll 01-6, Neg #9215, Frame 31; photograph by Bruce Otto, August 2, 2001).
Figure 14-24: Adit #3, open. View looking 190 degrees. (Roll 01-6, Neg #9215, Frame 32; photograph by Bruce Otto; August 2, 2001).

Figure 14-25: Stope #2, open. View looking 180 degrees. (Roll 01-6, Neg #9215, Frame 33; photograph by Bruce Otto; August 2, 2001).
Figure 14-26: Adit #15, open. View Looking 180 degrees. (Roll 01-6, Neg #9215, Frame 34; photograph by Bruce Otto; August 2, 2001).
Figure 14-27: Adit #16, caved. View looking 270 degrees. (Roll 01-6, Neg #9215, Frame 35; photograph by Bruce Otto, August 2, 2001).
Figure 14-28: Overview of Riverview. View looking 240 degrees. (Roll 01-6, Neg #9215, Frame 36, photograph by Bruce Otto, August 2, 2001).

Figure 14-29: Overview of Riverview. View Looking 240 degrees. (Roll 01-6, Neg #9215, Frame 36a, photograph by Bruce Otto, August 2, 2001).
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1 D - 0 0 8 4 - 0 0 0 1 6
Site/Mine Name: Badger Primary Commodity: 260 and 170 (Au and Cu)
IGS Number: Ch-1221 & 1222

B. LOCATION DATA
USGS Quad: Ziegler Basin LAT: ___ LONG: ___ OR
UTM Coord: 4891636 N 710403 E Zone 11 AND
Township: 10 N Range: 18E Section: 31 Subdivision: SE NE & SW sec. 32
Meridian: 08 County: Custer
Surface: BLM X/ Non-BLM ___ Mineral Estate: BLM X/ Non-BLM ___

C. ACCESS
Visible from: Nearest road 3 / Trail ___ / Population center 1
Access by: 2wd ___ / 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: Adjacent to east fork Salmon River Rd., approx. 10 miles south of intersection with Hwy 75 at confluence of east fork with main Salmon River.
Recent human use: N Describe:

D. SITE DESCRIPTION
Acreage: <1 Elevation: 6500
General slope (degrees): 0-10 ___ / 11-35 X / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity N Describe: ____________________________

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 3 / Closed adits 5 / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes ___
Other openings ___ Type
Trenches ___ Length ___ / Prospects 2 / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ , ___ , ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles tramways ___
Powerlines ___
Structures 0 Type
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other: ____________________________

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed / Dead / Nonexistent
Evidence of natural revegetation: Y / Describe: sage and grass

ANIMALS
Evidence: / Presence: X / Describe: deer

GEOLOGY
Staining of soils None Describe:
Sulfide minerals X Type(s): Cu oxides only
Tailings: Confined / Unconfined / Unknown

HYDROLOGY
(No water on site) pH Conductivity Flow (GPM) Sketch

# Water flowing from workings: No water on site
Standing water in workings:
Water through/over tailings:
   waste rock:
   ore:
Adjacent water sources:
   Type pH Conductivity Flow (GPM) Distance
   Ground water:
   Surface water:
   Surface H2O above site:
   Surface H2O below site:
Evidence of aquatic life Location: Describe:
Water bed color: White / Yellow / Yellow-Orange / Orange
   Brown / Green / Grey-Black / Other
Samples collected: Sketch #:

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills / Acid or Chemical odor / Asbestos
Petrochemical Products / Dump sites
Power Substations / Transformers
Barrels, Tanks, Containers Leak Leaking Contents:
Evidence of Underground Storage Tanks Describe:

Other:

RADIATION Sketch # mR/hr total WL alpha
Background
Adit/Incline
Shaft
Other:

(03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills / Gullies / Sheetwash
Unstable Rock / Slope instability / Wind erosion

MITIGATION STATUS
None / Fencing / Signs / Safety hazards mitigated
Other:

Mitigation condition: Good / Fair / Poor
Site ID tags: / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates ___ Topsoil, soil amendments
___ Permanent seal ___ Revegetation
___ Gates ___ Stabilize/destroy structures
___ Backfill openings, pit ___ Drainage control
___ Recontour ___ Water treatment
___ Fences ___ Wildlife closure
___ Warning signs ___ No action
___ Plug open drill holes ___ Trash / clean up
___ Other: Three open adits that are not visable from the road, no human danger. ___ signs

would attract attention.

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA YES Rover File name: R073119A

K. PHOTOGRAPHS
Number of photographs taken: 2

L. ACTION (none required)
Site requires immediate investigation by: Law Enforcement / BLM / HAZMAT / Other

Reason:

(03/95)
## M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1</td>
<td>caved</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 2</td>
<td>caved</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 3</td>
<td>caved</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 4</td>
<td>open 20 ft</td>
<td>3 ft</td>
<td>3 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 5</td>
<td>caved</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 6</td>
<td>caved</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 7</td>
<td>open 20 ft</td>
<td>3 ft</td>
<td>5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 8</td>
<td>open 10 ft</td>
<td>3 ft</td>
<td>5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Prospect 1</td>
<td>10 ft</td>
<td>10 ft</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 1</td>
<td>30 ft</td>
<td>30 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 2</td>
<td>20 ft</td>
<td>15 ft</td>
<td>&lt;10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 3</td>
<td>20 ft</td>
<td>20 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 4</td>
<td>20 ft</td>
<td>30 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 5</td>
<td>50 ft</td>
<td>40 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 6</td>
<td>30 ft</td>
<td>30 ft</td>
<td>&lt;10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 7</td>
<td>20 ft</td>
<td>10 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 8</td>
<td>15 ft</td>
<td>10 ft</td>
<td>&lt;5 ft</td>
<td>none</td>
</tr>
</tbody>
</table>

Field Notes:

---

INSPECTED BY: Bruce Otto
INSPECTED BY: Tracy Morrison
TITLE: Geologist
TITLE: Geologist
DATE: 7/31/2001
DATE: 7/31/2001

(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>2</td>
<td>N 50 E</td>
<td>Badger workings overview</td>
</tr>
<tr>
<td>01-7</td>
<td>3</td>
<td>Up ??</td>
<td>Misfire</td>
</tr>
<tr>
<td>01-7</td>
<td>4</td>
<td>N 25 E</td>
<td>Lower Badger workings-open portal</td>
</tr>
</tbody>
</table>
Figure 16-2: Badger workings overview. View looking N 50 E. (Roll 01-6, Neg #9215, Frame 2; photograph by Bruce Otto; July 31, 2001).

Figure 16-3: Lower Badger workings with open portal. View looking N 25 E. (Roll 01-6, Neg #9215, Frame 4; photograph by Bruce Otto; July 31, 2001).
A. SITE IDENTIFICATION

ID Number: 1 D 0 0 8 4 0 0 0 1 7
Site/Mine Name: Mule Shoe Primary Commodity: 170 and 340 (Cu and Pb)
IGS Number: Ch-1216

B. LOCATION DATA

USGS Quad: Ziegler Basin LAT: ____ ____ LONG: ____ OR
UTM Coord: 4902298 N 710470 E Zone 11 ____ AND
Township: 11 N Range: 18 E Section: 32 ___________ Subdivision: NW
Meridian: 08 County: 037 Custer
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM X / Non-BLM ___

C. ACCESS

Visible from: Nearest road __ 0 / Trail ____ / Population center ____
Access by: 2wd ___ / 4wd X ___ / Hike ____ / Other ____
Access disturbance in need of reclamation: Length ____ / Width ____ / Acres ____
Road Log: Dirt road along the Salmon river from the mouth of the East Fork of the Salmon,
then to the south and west along the 4 wd road to property.
Recent human use: No Describe:

D. SITE DESCRIPTION

Acreage: <1 Elevation: 7200
General slope (degrees): 0-10 ___ / 11-35 X ___ / >35 ___
Floodplain: Disturbance in ____ / Adjacent to ____ / NA X
Recent mineral activity No Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)

Open adits 1 / Closed adits 4 / Open inclines ____ / Closed inclines ____
Open shafts ____ / Closed shafts ____ / Stopes ____
Other openings ____ Type __
Trenchs ____ Length ________ / Prospects ____ / Open drill holes ____
Pits >30 ft. deep ____ / Pits <30 ft. deep ____ / Pit highwall length ______
Waste dumps: <0.1 ac ____ / 0.1 - 5 ac ____ / >5 ac ____
Tailings: <0.1 ac ____ / 0.1 - 5 ac ____ / >5 ac ____
Heaps ____ / Dredge ____
Ponds ____ / Dams ____
Mills ____ Type ____ , ____ , ____
Explosives ____ Describe:
Equipment/Machinery ____ / Headframes ____ / Trestles/tramways ____
Powerlines ____
Structures ____ Type __
Condition: Good ____ / Fair ____ / Poor ____ / Number Locked ____
Homesites ____
Other:

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed / Dead / Nonexistent
Evidence of natural revegetation: X / Describe: trees, grass and brush

ANIMALS
Evidence: X / Presence: / Describe: deer and elk droppings

GEOLOGY
Staining of soils X Describe: Local minor Fe
Sulfide minerals Type(s):
Tailings: Confined / Unconfined / Unknown

HYDROLOGY
(No water at this property)
Water flowing from workings:
Standing water in workings:
Water through/over tailings:
  waste rock:
  ore:
Adjacent water sources:
Ground water:
Surface water:
Surface H2O above site:
Surface H2O below site:
Evidence of aquatic life Location: Describe:

Water bed color:
  White / Yellow / Yellow-Orange / Orange
  Brown / Green / Grey-Black / Other

Samples collected:
Sketch #:

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)
(None present)
Chemical piles or spills / Acid or Chemical odor / Asbestos
Petrochemical Products / Dump sites
Power Substations / Transformers
Barrels, Tanks, Containers Leaking Contents:
Evidence of Underground Storage Tanks Describe:

Other:

RADIATION
Sketch # mR/hr gamma WL alpha
Background
Adit/Incline
Shaft
Other:

(03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills ____ / Gullies ____ / Sheetwash ____
Unstable Rock ____ / Slope instability ____ / Wind erosion ____

MITIGATION STATUS
None ____ / Fencing ____ / Signs ____ / Safety hazards mitigated ____
Other:

Mitigation condition: Good ____ / Fair ____ / Poor ____
Site ID tags: ____ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

____ Cable nets, grates
____ Permanent seal
____ Gates
____ Backfill openings, pit
____ Recontour
____ Fences
____ Warning signs
____ Plug open drill holes
____ Other: property has obscure access-partially open adits are probably not a
problem, there is very little evidence of human visitation.

____ Topsoil, soil amendments
____ Revegetation
____ Stabilize/destroy structures
____ Drainage control
____ Water treatment
____ Wildlife closure
____ No action
____ Trash / clean up

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page
6.

J. GLOBAL POSITIONING SYSTEM DATA YES  Rover File name: R073122A

K. PHOTOGRAPHS
Number of photographs taken: 2

L. ACTION
Site requires immediate investigation ____ by: Law Enforcement ____ / BLM ____
HAZMAT ____ / Other

Reason:

(03/95)
Figure 17-1: Mule Shoe Mine location map.
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (open)</td>
<td>20 ft</td>
<td>3 ft</td>
<td>5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 2 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 1</td>
<td>40 ft</td>
<td>20 ft</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 2</td>
<td>20 ft</td>
<td>15 ft</td>
<td>5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 3 (caved)</td>
<td>5 ft</td>
<td>3 ft</td>
<td>5 ft</td>
<td>none</td>
</tr>
<tr>
<td>Dump 3</td>
<td>40 ft</td>
<td>25 ft</td>
<td>10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 4 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 4</td>
<td>60 ft</td>
<td>30 ft</td>
<td>10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Adit 5 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 5</td>
<td>40 ft</td>
<td>30 ft</td>
<td>15 ft</td>
<td>none</td>
</tr>
<tr>
<td>Prospect 1</td>
<td>5 ft</td>
<td>5 ft</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY:  Bruce Otto  TITLE:  Geologist  DATE:  7/30/2001
INSPECTED BY:  Tracy Morrison  TITLE:  Geologist  DATE:  7/30/2001 (03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>5</td>
<td>90</td>
<td>Partially open Adit 1</td>
</tr>
<tr>
<td>01-7</td>
<td>6</td>
<td>220</td>
<td>Partially open Adit 3</td>
</tr>
</tbody>
</table>
Figure 17-2: Partially open adit. View looking 90 degrees. (Roll 01-6, Neg #9215, Frame 5; photograph by Bruce Otto; July 30, 2001).

Figure 17-3: Adit #3, Partially open. View looking 220 degrees. (Roll 01-6, Neg #9215, Frame 6; photograph by Bruce Otto; July 31, 2001).
A. SITE IDENTIFICATION
ID Number: 1D0084-00018
Site/Mine Name: Unnamed  Primary Commodity: 170 (Cu)
IGS Number: none

B. LOCATION DATA
USGS Quad: Clayton 7.5  LAT: ___ LONG: ___ OR
UTM Coord: 4904773 N 706316 E Zone 11 AND
Township: 11 N  Range: 17 E  Section: 23  Subdivision: SE NE
Meridian: 08  County: 037 Custer
Surface: BLM X / Non-BLM ___  Mineral Estate: BLM X / Non-BLM ___

C. ACCESS
Visible from: Nearest road X / Trail ___ / Population center ___
Access by: 2wd ___ / 4wd X / Hike X / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: single track dirt road from Squaw Creek Road follows power line access road from power line to property.
Recent human use: No  Describe:

D. SITE DESCRIPTION
Acreage: 1  Elevation: 7000
General slope (degrees): 0-10 ___ / 10-35 X / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity N  Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 1 / Closed adits ___ / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes ___
Other openings ___ Type
Trenches ___ Length ______ / Prospects ___ / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length _______
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ , ___ , ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___
Structures 0 Type
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other:

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy _X_/ Stressed ____ / Dead ____ / Nonexistent ____
Evidence of natural revegetation: ___ Yes/ Describe: grass and trees

ANIMALS
Evidence: _X_/ Presence: ____ / Describe: deer and elk droppings

GEOLOGY (qtz vein in Ordovician Carbonate)
Staining of soils N ___ Describe:
Sulfide minerals N ___ Type(s): minor, CuCo3 staining on float
Tailings: Confined ____ / Unconfined ____ / Unknown ____

HYDROLOGY (no water on property)
Water flowing from workings: ____ pH ___ Conductivity ___ Flow (GPM) ___ Sketch #
Standing water in workings: ____ ___ ___ ___
Water through/over tailings: ____ ___ ___ ___
   waste rock: ____ ___ ___ ___ ___ ___ ___
   ore: ____ ___ ___ ___ ___ ___ ___
Adjacent water sources: Type pH Conductivity Flow (GPM) Distance
Ground water: ___________ ___ ___ __________
Surface water: ___________ ___ ___ __________
Surface H2O above site: ___________ ___ ___ __________
Surface H2O below site: ___________ ___ ___ __________
Evidence of aquatic life ___ Location: __________ Describe:

Water bed color: White ____ / Yellow ____ / Yellow-Orange ____ / Orange ____
   Brown ____ / Green ____ / Grey-Black ____ / Other
Samples collected: ____ Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)
Chemical piles or spills ____ / Acid or Chemical odor ____ / Asbestos ____
Petrochemical Products ____ / Dump sites ____
Power Substations ____ / Transformers ____

Barrels, Tanks, Containers ____ Leaking ____ Contents:
Evidence of Underground Storage Tanks ____ Describe:

Other:

RADIATION
Background Sketch # mR/hr gamma WL alpha
Adit/Incline
Shaft
Other:
(03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills ___ / Gullies ___ / Sheetwash ___
Unstable Rock ___ / Slope instability ___ / Wind erosion ___

MITIGATION STATUS
None ___ / Fencing ___ / Signs ___ / Safety hazards mitigated ___
Other:

Mitigation condition: Good ___ / Fair ___ / Poor ___
Site ID tags: ___ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates ___ Topsoil, soil amendments
___ Permanent seal ___ Revegetation
___ Gates ___ Stabilize/destroy structures
___ Backfill openings, pit ___ Drainage control
___ Recontour ___ Water treatment
___ Fences ___ Wildlife closure
___ Warning signs ___ No action
___ Plug open drill holes ___ Trash / clean up
___ Other: None needed, open adit is not visible from nearest roadway and is remote.

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page
6.

J. GLOBAL POSITIONING SYSTEM DATA YES Rover File name: R080116 A

K. PHOTOGRAPHS
Number of photographs taken: ___ 3 ___

L. ACTION (none required)
Site requires immediate investigation ___ by: Law Enforcement ___ / BLM ___
HAZMAT ___ / Other

Reason:

(03/95)
Figure 18-1: Site 18 location map.
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Adit 1</td>
<td>30 ft</td>
<td>4 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY: Bruce Otto  
INSPECTED BY: Tracy Morrison  
TITLE: Geologist  
DATE: 8/1/2001  
(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>7</td>
<td>90</td>
<td>Open adit 1</td>
</tr>
<tr>
<td>01-7</td>
<td>8</td>
<td>290</td>
<td>Access road</td>
</tr>
<tr>
<td>01-7</td>
<td>9</td>
<td>90</td>
<td>Access road</td>
</tr>
</tbody>
</table>

(03/95)
Figure 18-2: Adit #1, open. View looking 90 degrees. (Roll 01-6, Neg #9215, Frame 7; photograph by Bruce Otto; July 31, 2001).

Figure 18-3: Access Road. View looking 290 degrees. (Roll 01-6, Neg #9215, Frame 8; photograph by Bruce Otto; July 31, 2001).
Figure 18-4: Access road. View looking 90 degrees. (Roll 01-6, Neg #9215, Frame 9; photograph by Bruce Otto; July 31, 2001).
BUREAU OF LAND MANAGEMENT
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1 D 0 0 8 4 0 0 0 1 9
Site/Mine Name: South Butte Mine/Mill Primary Commodity: 170 (Cu)
IGS Number: Ch-1236

B. LOCATION DATA
USGS Quad: Clayton
UTM Coord: 4906624 N 703312 E
Township: 11 N Range: 17 E Section: 15
Meridian: 08 County: 037 Custer
Surface: BLM X / Non-BLM Mineral Estate: BLM X / Non-BLM
(Old mill is located on State of Idaho land in adjacent NE, NE section16, T 11N, R 17 E)

C. ACCESS
Visible from: Nearest road 0 / Trail / Population center
Access by: 2wd / 4wd X / Hike / Other
Access disturbance in need of reclamation: Length / Width / Acres
Road Log: Take Squaw Creek Road from highway 75, thence up single track pit road to property.
Not visible from Squaw Creek Road or Highway 75.
Recent human use: No Describe:

D. SITE DESCRIPTION
Acreage: 1 Elevation: 7000
General slope (degrees): 0-10 X / 11-35 / >35
Floodplain: Disturbance in ____ / Adjacent to ____ / NA X
Recent mineral activity N Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 0 / Closed adits 4 / Open inclines ____ / Closed inclines ____
Open shafts ____ / Closed shafts ____ / Stopes ____
Other openings ____ Type
Trenches ____ Length ______ / Prospects ____ / Open drill holes ____
Pits >30 ft. deep ____ / Pits <30 ft. deep ____ / Pit highwall length ______
Waste dumps: <0.1 ac ____ / 0.1 - 5 ac ____ / >5 ac ____
Tailings: <0.1 ac ____ / 0.1 - 5 ac ____ / >5 ac ____
Heaps ____ / Dredge
Ponds ____ / Dams ____
Mills 1 Type Stamp (Foundation remains, building is collapsed)
Explosives ____ Describe:
Equipment/Machinery None / Headframes ____ / Trestles/tramways ____
Powerlines ____
Structures 2 Type Cabins
Condition: Good ____ / Fair ____ / Poor X ____ / Number Locked ____
Homesites ____
Other: 1 cabin is standing the others are flat.

(08/97, swm)
BLM AML INVENTORY FIELD CHECKLIST

ID Number: 0084-00019
IGS: Ch-1236

F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed / Dead / Nonexistent
Evidence of natural revegetation: YES / Describe: trees, sage, and other brush

ANIMALS
Evidence: X / Presence: / Describe: elk and deer scat

GEOLOGY
Staining of soils X / Type(s): Fe is restricted to dump rocks
Sulfide minerals Type(s):
Tailings: Confined / Unconfined X / Unknown (Coarse rejects lie on hillslope
does not appear to be a problem)

HYDROLOGY (No water on this property)

<table>
<thead>
<tr>
<th>pH</th>
<th>Conductivity</th>
<th>Flow (GPM)</th>
<th>Sketch #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjacent water sources:
Ground water:
Surface water:
Surface H2O above site:
Surface H2O below site:

Evidence of aquatic life Location: Describe:

Water bed color: White / Yellow / Yellow-Orange / Orange
Brown / Green / Grey-Black / Other

Samples collected: Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

None present
Chemical piles or spills / Acid or Chemical odor / Asbestos
Petrochemical Products / Dump sites
Power Substations / Transformers

Barrels, Tanks, Containers Leaking Contents:
Evidence of Underground Storage Tanks Describe:

Other:

RADIATION
Sketch # mR/hr gamma WL alpha
Background
Adit/Incline
Shaft

(03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills _____ / Gullies _____ / Sheetwash _____
Unstable Rock _____ / Slope instability _____ / Wind erosion _____

MITIGATION STATUS
None _____ / Fencing _____ / Signs _____ / Safety hazards mitigated _____
Other:

Mitigation condition: Good _____ / Fair _____ / Poor _____
Site ID tags: _____ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

_____ Cable nets, grates
_____ Permanent seal
_____ Gates
_____ Backfill openings, pit
_____ Recontour
_____ Fences
_____ Warning signs
_____ Plug open drill holes
_____ Other:

Topsoil, soil amendments
Revegetation
Stabilize/destroy structures
Drainage control
Water treatment
Wildlife closure
X No action
Trash / clean up

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Yes Rover File name: R080118A

K. PHOTOGRAPHS
Number of photographs taken: 3

L. ACTION
Site requires immediate investigation _____ by: Law Enforcement _____ / BLM _____
HAZMAT _____ / Other

Reason:

(03/95)
Figure 19-1: South Butte Mine/Mill location map.
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (closed)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 1</td>
<td>20 ft</td>
<td>20 ft</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 2 (closed)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Dump 2</td>
<td>20 ft</td>
<td>20 ft</td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Adit 3 (closed)</td>
<td></td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>Cabin 1</td>
<td>20 ft</td>
<td>15 ft</td>
<td>10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Cabin 2</td>
<td>20 ft</td>
<td>20 ft</td>
<td>10 ft</td>
<td>none</td>
</tr>
<tr>
<td>Cabin 3</td>
<td>20 ft</td>
<td>20 ft</td>
<td>flat</td>
<td>none</td>
</tr>
<tr>
<td>Mill 1</td>
<td>80 ft</td>
<td>20 ft</td>
<td>flat</td>
<td>none</td>
</tr>
<tr>
<td>Dump 3</td>
<td>60 ft</td>
<td>60 ft</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY: Bruce Otto       TITLE: Geologist       DATE: 8/01/2001
INSPECTED BY: Tracy Morrison   TITLE: Geologist       DATE: 8/01/2001
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>10</td>
<td>015</td>
<td>South Butte Mine overview</td>
</tr>
<tr>
<td>01-7</td>
<td>11</td>
<td>150</td>
<td>Cabins at South Butte Mine</td>
</tr>
<tr>
<td>01-7</td>
<td>12</td>
<td>330</td>
<td>Adits 1-3</td>
</tr>
<tr>
<td>01-7</td>
<td>13</td>
<td>340</td>
<td>Collapsed Mill 1</td>
</tr>
</tbody>
</table>

(03/95)
Figure 19-2: South Butte Mine overview. View looking 015 degrees. (Roll 01-6, Neg #9215, Frame 10; photograph by Bruce Otto; August 1, 2001).

Figure 19-3: Cabins at South Butte Mine. View looking 150 degrees. (Roll 01-6, Neg #9215, Frame 11; photograph by Bruce Otto; August 1, 2001).
Figure 19-4: Adit#s 1-3. View looking 330 degrees. (Roll 01-6, Neg #9215, Frame 12; photograph by Bruce Otto; August 1, 2001).

Figure 19-5: Collapsed mill at South Butte Mine. View looking 340 degrees. (Roll 01-6, Neg #9215, Frame 13; photograph by Bruce Otto; August 1, 2001).
BUREAU OF LAND MANAGEMENT
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1 D - 0 0 8 4 - 0 0 0 2 0
Site/Mine Name: Unnamed Primary Commodity: unknown
IGS Number: None

B. LOCATION DATA
USGS Quad: Bald Mountain LAT: _ _ _ _ LONG: _ _ _ _ OR
UTM Coord: 4906715 N 713912 E Zone 11 AND
Township: 11 N Range: 18 E Section: 16 Subdivision: SE
Meridian: 08 County: 037 Custer
Surface: BLM X / Non-BLM _ _ Mineral Estate: BLM X / Non-BLM _ _

C. ACCESS
Visible from: Nearest road _ 3 _ / Trail _ _ / Population center _ _ _
Access by: 2wd _ / 4wd X / Hike _ / Other _ _
Access disturbance in need of reclamation: Length _ _ _ / Width _ _ _ / Acres _ _ _
Road Log: From highway 75 @ mouth of the E. Fork of the Salmon, take dirt road on w. side of
the main Salmon River to NE 1 mile to adit
Recent human use: N _ _ Describe: _ _ _ _

D. SITE DESCRIPTION
Acreage: 01 Elevation: 5450
General slope (degrees): 0-10 _ _ / 11-35 X _ / >35 _ _
Floodplain: Disturbance in _ _ / Adjacent to _ _ / NA X _
Recent mineral activity N _ _ Describe: _ _ _ _

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 1 / Closed adits _ _ / Open inclines _ _ / Closed inclines _ _
Open shafts _ _ / Closed shafts _ _ / Stopes _ _
Other openings _ _ _ _ Type _ _
Trenches _ _ _ _ Length _ _ _ _ / Prospects _ _ / Open drill holes _ _
Pits >30 ft. deep _ _ / Pits <30 ft. deep _ _ / Pit highwall length _ _ _ _
Waste dumps: <0.1 ac _ _ / 0.1 - 5 ac _ _ / >5 ac _ _
Tailings: _ _ _ _ / 0.1 - 5 ac _ _ / >5 ac _ _
Heaps _ _ / Dredge _ _
Ponds _ _ / Dams _ _
Mills _ _ _ _ Type _ _ _ _ _ _ _ _ _
Explosives _ _ _ _ Describe: _ _ _ _
Equipment/Machinery _ _ _ _ / Headframes _ _ _ _ / Trestles/tramways _ _
Powerlines _ _ _ _ _ _ _ _
Structures 0 _ _ Type _ _
Condition: Good _ _ / Fair _ _ / Poor _ _ _ / Number Locked _ _
Homesteads _ _ _ _
Other: _ _ _ _ (08/97, swm)
BLM AML INVENTORY FIELD CHECKLIST

ID Number: ID 0084-00020
IGS: None

F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy X / Stressed / Dead / Nonexistent
Evidence of natural revegetation: Y / Describe: grass and sage

ANIMALS
Evidence: / Presence: X / Describe: rabbit

GEOLOGY
Staining of soils No Describe:
Sulfide minerals Type(s):
Tailings: Confined / Unconfined / Unknown

HYDROLOGY (no water on property)

<table>
<thead>
<tr>
<th>Water flowing from workings:</th>
<th>pH</th>
<th>Conductivity</th>
<th>Flow (GPM)</th>
<th>Sketch #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standing water in workings:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water through/over tailings:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>waste rock:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ore:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Adjacent water sources:
Ground water: Type pH Conductivity Flow (GPM) Distance
Surface water: Type pH Conductivity Flow (GPM) Distance
Surface H2O above site: Type pH Conductivity Flow (GPM) Distance
Surface H2O below site: Type pH Conductivity Flow (GPM) Distance

Evidence of aquatic life Location: Describe:

Water bed color: White / Yellow / Yellow-Orange / Orange
Brown / Green / Grey-Black / Other

Samples collected: Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills / Acid or Chemical odor / Asbestos
Petrochemical Products / Dump sites
Power Substations / Transformers

Barrels, Tanks, Containers Leaking Contents:
Evidence of Underground Storage Tanks Describe:

Other:

RADIATION
Sketch # mR/hr gamma WL alpha
Background
Adit/incline
Shaft
Other:

(03/95)
BLM AML INVENTORY FIELD CHECKLIST

ID Number: ID 0084-00020
IGS: none

H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills X / Gullies / Sheetwash X (natural)
Unstable Rock / Slope instability / Wind erosion

MITIGATION STATUS
None X / Fencing / Signs / Safety hazards mitigated
Other:

Mitigation condition: Good / Fair / Poor
Site ID tags: / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

- Cable nets, grates
- Permanent seal
- Gates
- Backfill openings, pit
- Recontour
- Fences
- Warning signs
- Plug open drill holes
- Topsoil, soil amendments
- Revegetation
- Stabilize/destroy structures
- Drainage control
- Water treatment
- Wildlife closure
- No action
- Trash / clean up

Other: Open adit can be seen from a distance from the Highway 75 though there is no evidence of human visitation. Blowing the portal shut could be a good idea, the back is bad so adit is unsafe.

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Yes Rover File name: R080215 A

K. PHOTOGRAPHS
Number of photographs taken: 1

L. ACTION
Site requires immediate investigation by: Law Enforcement / BLM / HAZMAT / Other

Reason:

(03/95)
Figure 20-1: Site 20 location map.
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (open)</td>
<td>15 ft</td>
<td>5 ft</td>
<td>3 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY: Bruce Otto
INSPECTED BY: Tracy Morrison
TITLE: Geologist
DATE: 08/02/2001
Fill out the following for each photo:

<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>14</td>
<td>270</td>
<td>Adit 1 (open)</td>
</tr>
</tbody>
</table>

(03/95)
Figure 20-2: Open Adit #1. View looking 270 degrees. (Roll 01-6, Neg #9215, Frame 14; photograph by Bruce Otto; August 2, 2001).
A. SITE IDENTIFICATION
ID Number: 100084000021
Site/Mine Name: Last Chance Mine
Primary Commodity: 170 (Cu)
IGS Number: CH 1190

B. LOCATION DATA
USGS Quad: Bald Mountain
UTM Coord: 4913764 N 712670 E Zone 11 AND
Township: 12 N
Range: 18 E
Section: 27 Subdivision: SW 22; NW 27
Meridian: 08
County: 037 Custer
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM X / Non-BLM ___

C. ACCESS
Visible from: Nearest road 0 / Trail ___ / Population center ___
Access by: 2wd ___ / 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: 4wd road to property from Bayhorse Bridge at Hwy 75. Gate on road is locked at Bayhorse Bridge so access to general public is precluded.
Recent human use: N Describe:

D. SITE DESCRIPTION
Acreage: 0.5
Elevation: 8400
General slope (degrees): 0-10 ___ / 11-35 X / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity ___ Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits ___ / Closed adits ___ / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes ___
Other openings ___ Type
Trenches ___ Length _____ / Prospects ___ / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length _________
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ , ___ , ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___
Structures 1 Type collapsed cabin
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other:

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy ___ / Stressed ___ / Dead ___ / Nonexistent ___
Evidence of natural revegetation: ___ / Describe: trees and grass

ANIMALS
Evidence: ___ / Presence: ___ / Describe: deer and elk scat

GEOLOGY
Staining of soils None Describe:
Sulfide minerals ____ Type(s):
Tailings: Confined ____ / Unconfined ____ / Unknown ___

HYDROLOGY (No water on property)
Water flowing from workings: ___ pH Conductivity Flow (GPM) Sketch #
Standing water in workings: ___ ___ ___ ___
Water through/over tailings: ___ ___ ___ ___
Waste rock: ___ ___ ___ ___
Ore: ___ ___ ___ ___

Adjacent water sources:
Type pH Conductivity Flow (GPM) Distance
Ground water: ___ ___ ___ ___ ___
Surface water: ___ ___ ___ ___ ___
Surface H2O above site: ___ ___ ___ ___ ___
Surface H2O below site: ___ ___ ___ ___ ___

Evidence of aquatic life ___ Location: _________ Describe:

Water bed color: White ___ / Yellow ___ / Yellow-Orange ___ / Orange ___
Brown ___ / Green ___ / Grey-Black ___ / Other

Samples collected: ___ Sketch #(#s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ____ / Acid or Chemical odor ____ / Asbestos ____
Petrochemical Products ____ / Dump sites ____
Power Substations ____ / Transformers ____

Barrels, Tanks, Containers _____ Leaking ____ Contents:
Evidence of Underground Storage Tanks ____ Describe:

Other:

RADIATION
Background Sketch # mR/hr gamma WL alpha
Adit/Incline
Shaft
Other: (03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills / Gullies / Sheetwash
Unstable Rock / Slope instability / Wind erosion

MITIGATION STATUS
None / Fencing / Signs / Safety hazards mitigated
Other:

Mitigation condition: Good / Fair / Poor
Site ID tags: / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates
___ Permanent seal
___ Gates
___ Backfill openings, pit
___ Recontour
___ Fences
___ Warning signs
___ Plug open drill holes
___ Other:

___ Topsoil, soil amendments
___ Revegetation
___ Stabilize/destroy structures
___ Drainage control
___ Water treatment
___ Wildlife closure
___ No action
___ Trash / clean up

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Yes
Rover File name: R080218 A

K. PHOTOGRAPHS
Number of photographs taken: 2

L. ACTION
Site requires immediate investigation by: Law Enforcement / BLM / HAZMAT / Other

Reason:

(03/95)
M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (caved)</td>
<td>50 ft</td>
<td>60 ft</td>
<td>15 ft</td>
<td>None</td>
</tr>
<tr>
<td>Dump 1</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Cabin 1</td>
<td>15 ft</td>
<td>15 ft</td>
<td>flat</td>
<td>None</td>
</tr>
<tr>
<td>Adit 2 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 2</td>
<td>15 ft</td>
<td>15 ft</td>
<td>3 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 3 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 3</td>
<td>50 ft</td>
<td>25 ft</td>
<td>10 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 4 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 4</td>
<td>100 ft</td>
<td>100 ft</td>
<td>30 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY: Bruce Otto
INSPECTED BY: Tracy Morrison
TITLE: Geologist	TITLE: Geologist
DATE: 08/02/2001	DATE: 08/02/2001

(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>19</td>
<td>300</td>
<td>Caved Adit 1</td>
</tr>
<tr>
<td>01-7</td>
<td>20</td>
<td>140</td>
<td>Caved Adit 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(03/95)
Figure 21-2: Last Chance Mine, Adit #1, caved. View looking 300 degrees. (Roll 01-6, Neg #9215, Frame 19; photograph by Bruce Otto August 8, 2001).
Figure 21-3: Adit #4. Caved. View looking 300 degrees. (Roll 01-6, Neg #9215, Frame 19; photograph by Bruce Otto; August 8, 2001).
A. SITE IDENTIFICATION
ID Number: 1D - 0084 - 000022
Site/Mine Name: No Name
Primary Commodity: 
IGS Number: Ch-393

B. LOCATION DATA
USGS Quad: Bayhorse
UTM Coord: 4918837N 713146E Zone 11 AND
Township: 12 N Range: 18 E Section: 3 Subdivision: SE SW
Meridian: 08 County: 937 Custer
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM ___ / Non-BLM ___

C. ACCESS
Visible from: Nearest road 0 / Trail ___ / Population center ___
Access by: 2wd ___ / 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: Take Bayhorse Rd. From Hwy 75, through Bayhorse Townsite hence to point 1.1 miles beyond town. Take 4wd road to southeast to property

Recent human use: N Describe:

D. SITE DESCRIPTION
Acreage: 1.0 Elevation: 7600
General slope (degrees): 0-10 ___ / 11-35 X / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity N Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 2 / Closed adits 3 / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes ___
Other openings ___ Type
Trenches 1 Length 150 ft ___ / Prospects ___ / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ________
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ / ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___
Structures ___ Type
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other: (08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy ____ / Stressed ____ / Dead ____ / Nonexistent ____
Evidence of natural revegetation: ____ / Describe:

ANIMALS
Evidence: ____ / Presence: ____ / Describe:

GEOLOGY
Staining of soils ____ Describe:
Sulfide minerals ____ Type(s):
Tailings: Confined ____ / Unconfined ____ / Unknown ____

HYDROLOGY
Water flowing from workings: ____ pH ____ Conductivity ____ Flow (GPM) ____ Sketch #____
Standing water in workings: ____ pH ____ Conductivity ____ Flow (GPM) ____ Sketch #____
Water through/over tailings: ____ pH ____ Conductivity ____ Flow (GPM) ____ Sketch #____
waste rock: ____ pH ____ Conductivity ____ Flow (GPM) ____ Sketch #____
ore: ____ pH ____ Conductivity ____ Flow (GPM) ____ Sketch #____

Adjacent water sources:
Ground water: Type ____ pH ____ Conductivity ____ Flow (GPM) ____ Distance ____
Surface water: Type ____ pH ____ Conductivity ____ Flow (GPM) ____ Distance ____
Surface H2O above site: ____ pH ____ Conductivity ____ Flow (GPM) ____ Distance ____
Surface H2O below site: ____ pH ____ Conductivity ____ Flow (GPM) ____ Distance ____

Evidence of aquatic life ____ Location: _________ Describe:

Water bed color: White ____ / Yellow ____ / Yellow-Orange ____ / Orange ____
Brown ____ / Green ____ / Grey-Black ____ / Other ____

Samples collected: ____ Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ____ / Acid or Chemical odor ____ / Asbestos ____
Petrochemical Products ____ / Dump sites ____
Power Substations ____ / Transformers ____

Barrels, Tanks, Containers ____ Leaking ____ Contents:
Evidence of Underground Storage Tanks ____ Describe:

Other:

RADIATION
Background Sketch # ____ mR/hr gamma ____ WL alpha ____
Adit/Incline
Shaft
Other:

(03/95)
H. RECLAMATION

SITE CONDITIONS
Erosion: Rills ____ / Gullies ____ / Sheetwash ____
Unstable Rock ____ / Slope instability ____ / Wind erosion ____

MITIGATION STATUS
None ____ / Fencing ____ / Signs ____ / Safety hazards mitigated ____
Other:

Mitigation condition: Good ____ / Fair ____ / Poor ____
Site ID tags: ____ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

____ Cable nets, grates  ____ Topsoil, soil amendments
____ Permanent seal  ____ Revegetation
____ Gates  ____ Stabilize/destroy structures
____ Backfill openings, pit  ____ Drainage control
____ Recontour  ____ Water treatment
____ Fences  ____ Wildlife closure
____ Warning signs  ____ No action
____ Plug open drill holes  ____ Trash / clean up
____ Other:

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA  Yes  Rover File name: R080319 A

K. PHOTOGRAPHS
Number of photographs taken: 7

L. ACTION
Site requires immediate investigation ____ by: Law Enforcement ____ / BLM ____
HAZMAT ____ / Other

Reason:

(03/95)
UNNAMED PROSPECT
Site-ID-0084-00022
File: R09319a.cor
UTM: 713,148 E
4,918,837 N
Land Tenure: B.L.M.

Figure 22-1: Site 22 location map.
### M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1 (open)</td>
<td>15 ft</td>
<td>3 ft</td>
<td>2 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 2 (open)</td>
<td>10 ft</td>
<td>4 ft</td>
<td>4 ft</td>
<td>None</td>
</tr>
<tr>
<td>Dump 1</td>
<td>80 ft</td>
<td>40 ft</td>
<td>10 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 3 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Adit 4 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 2</td>
<td>100 ft</td>
<td>60 ft</td>
<td>15 ft</td>
<td>None</td>
</tr>
<tr>
<td>Cabin 1</td>
<td>20 ft</td>
<td>15 ft</td>
<td>10 ft</td>
<td>None</td>
</tr>
<tr>
<td>Cabin 2</td>
<td>15 ft</td>
<td>15 ft</td>
<td>flat</td>
<td>None</td>
</tr>
<tr>
<td>Trench 1</td>
<td>150 ft</td>
<td>10 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 5 (caved)</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

**Field Notes:**

---

**INSPECTED BY:** Bruce Otto  
**TITLE:** Geologist  
**DATE:** 08/03/2001

**INSPECTED BY:** Tracy Morrison  
**TITLE:** Geologist  
**DATE:** 08/03/2001

(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-8</td>
<td>1</td>
<td>220</td>
<td>Adit 1 open</td>
</tr>
<tr>
<td>01-8</td>
<td>2</td>
<td>90</td>
<td>Cabin 2</td>
</tr>
<tr>
<td>01-8</td>
<td>3</td>
<td>130</td>
<td>Adit 4</td>
</tr>
<tr>
<td>01-8</td>
<td>4</td>
<td>240</td>
<td>Cabin 1</td>
</tr>
<tr>
<td>01-8</td>
<td>5</td>
<td>270</td>
<td>Adit 3</td>
</tr>
<tr>
<td>01-8</td>
<td>6</td>
<td>300</td>
<td>Adit 5</td>
</tr>
<tr>
<td>01-8</td>
<td>7</td>
<td>200</td>
<td>Adit 2</td>
</tr>
</tbody>
</table>
Figure 22-2: Adit #1, Open. View looking 220 degrees. (Roll 01-8, Neg #1483, Frame 1; photograph by Bruce Otto; August 3, 2001).

Figure 22-3: Cabin 2. View looking 90 degrees. (Roll 01-8, Neg #1483, Frame 2; photograph by Bruce Otto; August 3, 2001).
Figure 22-4: Adit #4, Caved. View looking 130 degrees. (Roll 01-8, Neg #1483, Frame 3; photograph by Bruce Otto; August 3, 2001).

Figure 22-5: Cabin 1. View looking 240 degrees. (Roll 01-8, Neg #1483, Frame 4; photograph by Bruce Otto, August 3, 2001).
Figure 22-6: Adit #3, Caved. View looking 270 degrees. (Roll 01-8, Neg #1483, Frame 5, photograph by Bruce Otto, August 3, 2001).

Figure 22-7: Adit #5, Caved. View looking 300 degrees. (Roll 01-8, Neg #1483, Frame 6, photograph by Bruce Otto, August 3, 2001).
Figure 22-8: Adit #2, Open with air flow. View looking 200 degrees. (Roll 01-8, Neg #1483, Frame 7; photograph by Bruce Otto; August 3, 2001).
ABANDONED/INACTIVE MINE LAND INVENTORY
FIELD CHECKLIST

A. SITE IDENTIFICATION
ID Number: 1 D 0 8 4 0 0 2 3
Site/Mine Name: Unnamed
Primary Commodity:
IGS Number: CH-394

B. LOCATION DATA
USGS Quad: Bayhorse
LAT: ___ ___ LONG: ___ OR
UTM Coord: 4917115 N 712969 E Zone 11 AND
Township: 12 N Range: 18 E Section: 10 Subdivision: SW SW
County: 037 Custer
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM X / Non-BLM ___

C. ACCESS
Visible from: Nearest road 0 / Trail ___ / Population center ___
Access by: 2wd ___ / 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: Take Bayhorse Rd from Hwy 75 through the Bayhorse-townsit, thence to point
1.1 miles beyond the town. Take 4wd road to southeast to the end of road.
Recent human use: N Describe:

D. SITE DESCRIPTION
Acreage: 1.0 Elevation: 8500
General slope (degrees): 0-10 ___ / 11-35 ___ / >35 X
Floodplain: Disturbance in ___ / Adjacent to ___ / NA ___
Recent mineral activity N Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 2 / Closed adits ___ / Open inclines ___ / Closed inclines ___
Open shafts ____ / Closed shafts ____ / Stopes ___
Other openings ___ / Type ___
Trenches ___ Length ___ 30 ___ / Prospects 1 / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ , ___ , ___
Explosives Describe:
Equipment/Machinery ____ / Headframes ____ / Trestles/tramways ____
Powerlines ____
Structures 2 Type cabins
Condition: Good ___ / Fair ___ / Poor X / Number Locked ___
Homesites ___
Other:

(08/97, swm)
BLM AML INVENTORY FIELD CHECKLIST

F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy \( X \) / Stressed ___ / Dead ___ / Nonexistent ___
Evidence of natural revegetation: \( Y \) / Describe: *High elevation brush, white bark pines, sub-alpine fir*

ANIMALS
Evidence: ___ / Presence: ___ / Describe:

GEOLOGY
Staining of soils ___ Describe:
Sulfide minerals ___ Type(s):
Tailings: Confined ___ / Unconfined ___ / Unknown ___

HYDROLOGY (no water on property)
Water flowing from workings: ___ pH Conductivity Flow (GPM) Sketch #
Standing water in workings: ___
Water through/over tailings: ___
    waste rock: ___
    ore: ___
Adjacent water sources: Type pH Conductivity Flow (GPM) Distance
    Ground water: ___ ___ ___ ___
    Surface water: ___ ___ ___ ___
    Surface H2O above site: ___ ___ ___ ___
    Surface H2O below site: ___ ___ ___ ___
Evidence of aquatic life ___ Location: ___ Describe:

Water bed color: White ___ / Yellow ___ / Yellow-Orange ___ / Orange ___
    Brown ___ / Green ___ / Grey-Black ___ / Other
Samples collected: ___ Sketch #(#):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ___ / Acid or Chemical odor ___ / Asbestos ___
Petrochemical Products ___ / Dump sites ___
Power Substations ___ / Transformers ___

Barrels, Tanks, Containers ___ Leaking ___ Contents:
Evidence of Underground Storage Tanks ___ Describe:

Other:

RADIATION
Background Sketch # mR/hr gamma WL alpha
Adit/Incline
Shaft
Other: (03/95)
H. RECLAMATION

SITE CONDITIONS (good condition)
Erosion: Rills ___ / Gullies ___ / Sheetwash ___
Unstable Rock ___ / Slope instability ___ / Wind erosion ___

MITIGATION STATUS
None ___ / Fencing ___ / Signs ___ / Safety hazards mitigated ___
Other:

Mitigation condition: Good ___ / Fair ___ / Poor ___
Site ID tags: ___ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates ___ Topsoil, soil amendments
___ Permanent seal ___ Revegetation
___ Gates ___ Stabilize/destroy structures
___ Backfill openings, pit ___ Drainage control
___ Recontour ___ Water treatment
___ Fences ___ Wildlife closure
___ Warning signs ___ No action
___ Plug open drill holes ___ Trash / clean up
___ Other:

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on
attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA Yes ___ Rover File name: R080327 A ___

K. PHOTOGRAPHS
Number of photographs taken: 5: Roll # 01-8; frames 8-12 ___

L. ACTION
Site requires immediate investigation ___ by: Law Enforcement ___ / BLM ___
HAZMAT ___ / Other ___

Reason:

(03/95)
Figure 23-1: Site 23 location map.
### M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adit 1</td>
<td>3 ft</td>
<td>3 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 2</td>
<td>?</td>
<td>3 ft</td>
<td>1 ft</td>
<td>None</td>
</tr>
<tr>
<td>Cabin 1</td>
<td>10 ft</td>
<td>10 ft</td>
<td>6 ft</td>
<td>None</td>
</tr>
<tr>
<td>Prospect 1</td>
<td>30 ft</td>
<td>20 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Field Notes:

INSPECTED BY: **Bruce Otto**  
INSPECTED BY: **Tracy Morrison**  
TITLE: **Geologist**  
TITLE: **Geologist**  
DATE: **08/03/2001**  
DATE: **08/03/2001**
Fill out the following for each photo:

<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-8</td>
<td>8</td>
<td>120</td>
<td>Adit 2</td>
</tr>
<tr>
<td>01-8</td>
<td>9</td>
<td>160</td>
<td>Adit 1</td>
</tr>
<tr>
<td>01-8</td>
<td>10</td>
<td>340</td>
<td>Access road</td>
</tr>
<tr>
<td>01-8</td>
<td>11</td>
<td>200</td>
<td>Cabin</td>
</tr>
<tr>
<td>01-8</td>
<td>12</td>
<td>160</td>
<td>Overview of site 23</td>
</tr>
</tbody>
</table>
Figure 23-2. Adit #1. View looking 160 degrees. (Roll 01-8, Neg #1438, Frame 9; photograph by Bruce Otto; August 3, 2001).
Figure 23-3: Adit #2, Caved. View looking 120 degrees. (Roll 01-8, Neg #1438, Frame 8; photograph by Bruce Otto; August 3, 2001).

Figure 23-4: Overview of access road. View looking 340 degrees. (Roll 01-8, Neg #1438, Frame 10; photograph by Bruce Otto; August 3, 2001).
Figure 23-5: Cabin #1. View looking 200 degrees. (Roll 01-8, Neg #1438, Frame 11; photograph by Bruce Otto; August 3, 2001).

Figure 23-6: Overview of site 0084-00023. View looking 160 degrees. (Roll 01-8, Neg #1438, Frame 12; photograph by Bruce Otto; August 3, 2001).
A. SITE IDENTIFICATION
ID Number: 1D-0084-00024
Site/Mine Name: Poverty Flat, Unnamed
Primary Commodity: 540
IGS Number: None

B. LOCATION DATA
USGS Quad: Bald Mountain
UTM Coord: 4909917 N 710525 E Zone 11 AND
Township: 11 N Range: 18 E Section: 5 Subdivision: SE NW
Meridian: 08 County: Custer 037
Surface: BLM X / Non-BLM ___ Mineral Estate: BLM X / Non-BLM ___

C. ACCESS
Visible from: Nearest road 3 / Trail 3 / Population center 0
Access by: 2wd ___ / 4wd X / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Road Log: steep drivable 4 wd road from the east fork of the Salmon turn off
Recent human use: X Describe: tire tracks, soda and beer cans, shot gun shells

D. SITE DESCRIPTION
Acreage: 5 Elevation: 9440
General slope (degrees): 0-10 X / 11-35 ___ / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA ___
Recent mineral activity N Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits 1 / Closed adits 11 / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes 1
Other openings ___ Type ___
Trenches ___ Length ___ / Prospects 9 / Open drill holes ___
Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1 - 5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___ . ___ . ___
Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___ Structures 4 Type 3 log cabins (all collapsed) 1 still standing w/ some debris (none are livable)
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesites ___
Other: plastic 3 inch diameter PVC pipe, lots of old tin cans

(08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy ___ / Stressed ___ / Dead ___ / Nonexistent ___
Evidence of natural revegetation: ___ / Describe: extensive lupine on dumps along with other natural vegetation

ANIMALS
Evidence: Y ___ / Presence: ___ / Describe: elk and deer droppings, chipmunks, gophers, birds, insects and gray jay

GEOLOGY
Staining of soils N ___ Describe: siderite gossan
Sulfide minerals N ___ Type(s): ___
Tailings: Confined ___ / Unconfined ___ / Unknown ___

HYDROLOGY
Water flowing from workings: 1 adit 6.6 pH 70 Conductivity Flow (GPM) 1/10 gal/m Sketch #
Standing water in workings: ___
Water through/over tailings: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ____
H. RECLAMATION

SITE CONDITIONS
Erosion: Rills ___ / Gullies ___ / Sheetwash ___
Unstable Rock ___ / Slope instability ___ / Wind erosion ___

MITIGATION STATUS
None ___X___ / Fencing ___ / Signs ___ / Safety hazards mitigated ___
Other:

Mitigation condition: Good ___ / Fair ___ / Poor ___
Site ID tags: ___ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

___ Cable nets, grates ___ Topsoil, soil amendments
___ Permanent seal ___ Revegetation
___ Gates ___ Stabilize/destroy structures
___ Backfill openings, pit ___ Drainage control
___ Recontour ___ Water treatment
___ Fences ___ Wildlife closure
___ Warning signs ___ No action
___ Plug open drill holes ___ Trash / clean up
___ Other:

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of features on attached sketch map. Use the feature symbols provided in the map legend on page 6.

J. GLOBAL POSITIONING SYSTEM DATA ___Y___ Rover File name: ___R081415A___

K. PHOTOGRAPHS
Number of photographs taken: 11, Roll 01-7 frames 14-21, 24 Roll 01-8, frames 13-14

L. ACTION
Site requires immediate investigation ___N___ by: Law Enforcement ___ / BLM ___
HAZMAT ___ / Other

Reason:

(03/95)
Figure 24-1: Poverty Flat/Unnamed Mine location map.
### M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>adit 1 (closed)</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 1</td>
<td>40 ft</td>
<td>40 ft</td>
<td>10 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 2 (closed)</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 2</td>
<td>50 ft</td>
<td>40 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>Cabin 1</td>
<td>15 ft</td>
<td>20 ft</td>
<td>6 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 3 (closed)</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 3</td>
<td>20 ft</td>
<td>30 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>prospect 1</td>
<td>25 ft</td>
<td>12 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>prospect 2</td>
<td>45 ft</td>
<td>5 ft</td>
<td>5 ft</td>
<td>None</td>
</tr>
<tr>
<td>prospect 3</td>
<td>30 ft</td>
<td>8 ft</td>
<td>10 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 4 (closed)</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>dump 4</td>
<td>110 ft</td>
<td>30 ft</td>
<td>100 ft</td>
<td>None</td>
</tr>
<tr>
<td>Adit 5</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Dump 5</td>
<td>20 ft</td>
<td>50 ft</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>Adit 6 (closed)</td>
<td>caved</td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>stope 1 (partially open)</td>
<td>1 ft diameter</td>
<td>20 ft</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>prospect 4</td>
<td>30 ft</td>
<td>4 ft</td>
<td>1 ft-2 ft</td>
<td>None</td>
</tr>
<tr>
<td>Prospect 5</td>
<td>50 ft</td>
<td>6 ft</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Field Notes: Trimble display not working correctly. Trimble data is numbered differently than notes and the map. Therefore, the dump numbers in the Trimble are different than the map.

**INSPECTED BY:** Virginia Gillerman  
**TITLE:** Geologist  
**DATE:** 8-14-2001

**INSPECTED BY:** Bruce Otto  
**TITLE:** Geologist  
**DATE:** 8-14-2001

**INSPECTED BY:** Tamra Schiappa  
**TITLE:** Geologist  
**DATE:** 8-14-2001

**INSPECTED BY:** Tracy B. Morrison  
**TITLE:** Geologist  
**DATE:** 8-14-2001

(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-7</td>
<td>14</td>
<td>270</td>
<td>Collapsed Adit #1, Dump #1</td>
</tr>
<tr>
<td>01-7</td>
<td>15</td>
<td>270</td>
<td>Collapsed Adit #2</td>
</tr>
<tr>
<td>01-7</td>
<td>16</td>
<td>210</td>
<td>Cabin #1</td>
</tr>
<tr>
<td>01-7</td>
<td>17</td>
<td>300</td>
<td>Dump #4</td>
</tr>
<tr>
<td>01-7</td>
<td>18</td>
<td>160</td>
<td>Lower Adit with building, trace water</td>
</tr>
<tr>
<td>01-7</td>
<td>19</td>
<td>290</td>
<td>Stope 1</td>
</tr>
<tr>
<td>01-7</td>
<td>20</td>
<td>90</td>
<td>Perimeter 2, coalescing prospect #8 and Dump 8</td>
</tr>
<tr>
<td>01-7</td>
<td>21</td>
<td>20</td>
<td>Cabin 2 and Cabin 3 in Perimeter 1</td>
</tr>
<tr>
<td>01-7</td>
<td>24</td>
<td>270</td>
<td>Open Adit 9</td>
</tr>
<tr>
<td>01-8</td>
<td>13</td>
<td>240</td>
<td>Open Adit 12, water seepage</td>
</tr>
<tr>
<td>01-8</td>
<td>14</td>
<td>170</td>
<td>Cabin #4 at main Adit site</td>
</tr>
</tbody>
</table>

(03/95)
Figure 24-2: Adit #2. Open with water seepage. View looking 240 degrees. (Roll 01-8, Neg #1439, Frame 13, photograph by V. S. Gillerman; August 14, 2001).

Figure 24-3: Cabin #4 at main adit site. View looking 170 degrees. (Roll 01-8, Neg #1439, Frame 14, photograph by V. S. Gillerman; August 14, 2001).
Figure 24-4: Adit #1, collapsed. View looking 270 degrees. (Roll 01-7, Neg #1430, Frame 14, photograph by V. S. Gillerman, August 14, 2001).

Figure 24-5: Adit #2, collapsed. View looking 270 degrees. (Roll 01-7, Neg #1430, Frame 15, photograph by V. S. Gillerman, August 14, 2001).
Figure 24-6: Cabin #1. View looking 210 degrees. (Roll 01-7, Neg #1430, Frame 16; photograph by V. S. Gillerman; August 14, 2001).

Figure 24-7: Dump #4. View looking 300 degrees. (Roll 01-7, Neg #1430, Frame 17; photograph by V. S. Gillerman; August 14, 2001).
Figure 24-8: Lower adit with a trace of water. View looking 160 degrees. (Roll 01-7, Neg #1430, Frame 18, photograph by V. S. Gillerman; August 14, 2001).

Figure 24-9: Slope #1. View looking 290 degrees. (Roll 01-7, Neg #1430, Frame 19, photograph by V. S. Gillerman; August 14, 2001).
Figure 24-10: Perimeter #2 including prospect pit #8 and dump #8. View looking 90 degrees. (Roll 01-7, Neg #1430, Frame 20, photograph by V. S. Gillerman; August 14, 2001).

Figure 24-11: Perimeter #1 including cabin #2 and Cabin #3. View looking 20 degrees. (Roll 01-7, Neg #1430, Frame 21, photograph by V. S. Gillerman; August 14, 2001).
Figure 24-12: Adit #9, open. View looking 270 degrees. (Roll 01-7, Neg #1430, Frame 22; photograph by V. S. Gillerman; August 14, 2001).
A. SITE IDENTIFICATION
ID Number: 1D-08400025
Site/Mine Name: Silverbell
IGS Number: Ch-1194
Primary Commodity: 540

B. LOCATION DATA
USGS Quad: Bald Mountain
UTM Coord: 49105242
Township: 11 N
Meridian: 08
County: Custer 037
Surface: BLM X / Non-BLM X

C. ACCESS
Visible from: Nearest road 1 / Trail 1 / Population center 0
Access by: 2wd ___ / 4wd X ___ / Hike ___ / Other ___
Access disturbance in need of reclamation: Length ___ / Width ___ / Acres ___
Recent human use: ___ Describe:

D. SITE DESCRIPTION
Acreage: 5
Elevation: 9400
General slope (degrees): 0-10 X / 11-35 ___ / >35 ___
Floodplain: Disturbance in ___ / Adjacent to ___ / NA X
Recent mineral activity N ___ Describe:

E. MINING/EXPLORATION FEATURES (Provide numbers of features)
Open adits ___ / Closed adits ___ / Open inclines ___ / Closed inclines ___
Open shafts ___ / Closed shafts ___ / Stopes ___
Other openings ___ Type ___
Trenches ___ Length ___ / Prospects ___ / Open drill holes ___

Pits >30 ft. deep ___ / Pits <30 ft. deep ___ / Pit highwall length ___
Waste dumps: <0.1 ac ___ / 0.1-5 ac ___ / >5 ac ___
Tailings: <0.1 ac ___ / 0.1-5 ac ___ / >5 ac ___
Heaps ___ / Dredge ___
Ponds ___ / Dams ___
Mills ___ Type ___, ___

Explosives ___ Describe:
Equipment/Machinery ___ / Headframes ___ / Trestles/tramways ___
Powerlines ___ Type ___
Structures ___ Type ___
Condition: Good ___ / Fair ___ / Poor ___ / Number Locked ___
Homesties ___

Other: (08/97, swm)
F. ENVIRONMENTAL FEATURES

VEGETATION
Vegetation: Healthy **X** / Stressed ___ / Dead ___ / Nonexistent ___
Evidence of natural revegetation: ____ / Describe: native plants and re-vegetation on pits and dumps

ANIMALS
Evidence: ___ / Presence: ___ / Describe: Elk and deer droppings, chipmunks and gophers

GEOLOGY
Staining of soils ___ N Describe:
Sulfide minerals _____ Type(s):
Tailings: Confined ____ / Unconfined ____ / Unknown __

HYDROLOGY
Water flowing from workings: ____ ph Conductivity Flow (GPM) Sketch #
Standing water in workings: ____ ...
Water through/over tailings: ____ ...
    waste rock: ____ ...
    ore: ____ ...
Adjacent water sources:
Ground water: __________ ph Conductivity Flow (GPM) Distance
Surface water: __________ ...
Surface H2O above site: ______ __________ ...
Surface H2O below site: ______ __________ ...
Evidence of aquatic life ____ Location: __________ Describe:

Water bed color: White ____ / Yellow ____ / Yellow-Orange ____ / Orange ____
    Brown ____ / Green ____ / Grey-Black ____ / Other

Samples collected: ____ Sketch #(s):

G. POTENTIAL HAZARDOUS MATERIALS (Provide numbers of features)

Chemical piles or spills ____ / Acid or Chemical odor ____ / Asbestos ____
Petrochemical Products ____ / Dump sites ____
Power Substations ____ / Transformers ____

Barrels, Tanks, Containers ____ Leaking ____ Contents:
Evidence of Underground Storage Tanks ____ Describe:

Other:

RADIATION
Background
Adit/Incline
Shaft

Sketch # mR/hr gamma WL alpha

(03/95)
H. RECLAMATION

SITE CONDITIONS
Erosion: Rills _____ / Gullies _____ / Sheetwash _____
Unstable Rock _____ / Slope instability _____ / Wind erosion _____

MITIGATION STATUS
None _____ / Fencing _____ / Signs _____ / Safety hazards mitigated _____
Other:

Mitigation condition: Good _____ / Fair _____ / Poor _____
Site ID tags: _____ / Locations:

OPTIONAL: Identify the critical reclamation measures needed:

_____ Cable nets, grates
_____ Permanent seal
_____ Gates
_____ Backfill openings, pit
_____ Recontour
_____ Fences
_____ Warning signs
_____ Plug open drill holes
_____ Other:

_____ Topsoil, soil amendments
_____ Revegetation
_____ Stabilize/destroy structures
_____ Drainage control
_____ Water treatment
_____ Wildlife closure
_____ No action
_____ Trash / clean up

I. SITE SKETCH
Show orientation, approximate scale, access route, adjacent drainages, and locations of
features on attached sketch map. Use the feature symbols provided in the map legend on page
6.

J. GLOBAL POSITIONING SYSTEM DATA Y _____ Rover File name: R081418 A _____

K. PHOTOGRAPHS
Number of photographs taken: 2; 01-9 frames 22 and 23

L. ACTION
Site requires immediate investigation _____ by: Law Enforcement _____ / BLM _____
HAZMAT _____ / Other

Reason:

(03/95)
## M. FEATURES - PROVIDE DIMENSIONS IN FEET.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Length</th>
<th>Width</th>
<th>Height or Depth</th>
<th>Mitigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prospect pit 1</td>
<td>150 ft</td>
<td>80 ft</td>
<td>2 ft -15 ft</td>
<td>None</td>
</tr>
<tr>
<td>(perimeter 1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dump 1</td>
<td>150 ft</td>
<td>80 ft</td>
<td>3 ft -5 ft</td>
<td>None</td>
</tr>
<tr>
<td>Prospect pit 2</td>
<td>9 ft diameter</td>
<td>80 ft</td>
<td>6 ft</td>
<td>None</td>
</tr>
<tr>
<td>Prospect pit 3</td>
<td>42 ft</td>
<td>6 ft</td>
<td>2 ft</td>
<td>None</td>
</tr>
<tr>
<td>Prospect pit 4</td>
<td>8 ft diameter</td>
<td></td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

### Field Notes:

INSPECTED BY: **Virginia Gillerman**
TITLE: **Geologist**
DATE: **8-14-2001**

INSPECTED BY: **Bruce Otto**
TITLE: **Geologist**
DATE: **8-14-2001**

INSPECTED BY: **Tamra Schiappa**
TITLE: **Geologist**
DATE: **8-14-2001**

INSPECTED BY: **Tracy B. Morrison**
TITLE: **Geologist**
DATE: **8-14-2001**

(03/95)
<table>
<thead>
<tr>
<th>Roll Number</th>
<th>Frame Number</th>
<th>Direction</th>
<th>Location/Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-9</td>
<td>22</td>
<td>130</td>
<td>Perimeter 1 and Prospect 1</td>
</tr>
<tr>
<td>01-9</td>
<td>23</td>
<td>080</td>
<td>Prospect pit 3-assumed shaft</td>
</tr>
</tbody>
</table>

(03/95)
Figure 25-2: Perimeter #1 with prospect pit #1. View looking 130 degrees. (Roll 01-7, Neg #1430, Frame 22; photograph by V. S. Gillerman; August 3, 2001).

Figure 25-3: Prospect pit #3. View looking 080 degrees. (Roll 01-7, Neg #1430, Frame 23; photograph by V. S. Gillerman; August 3, 2001).