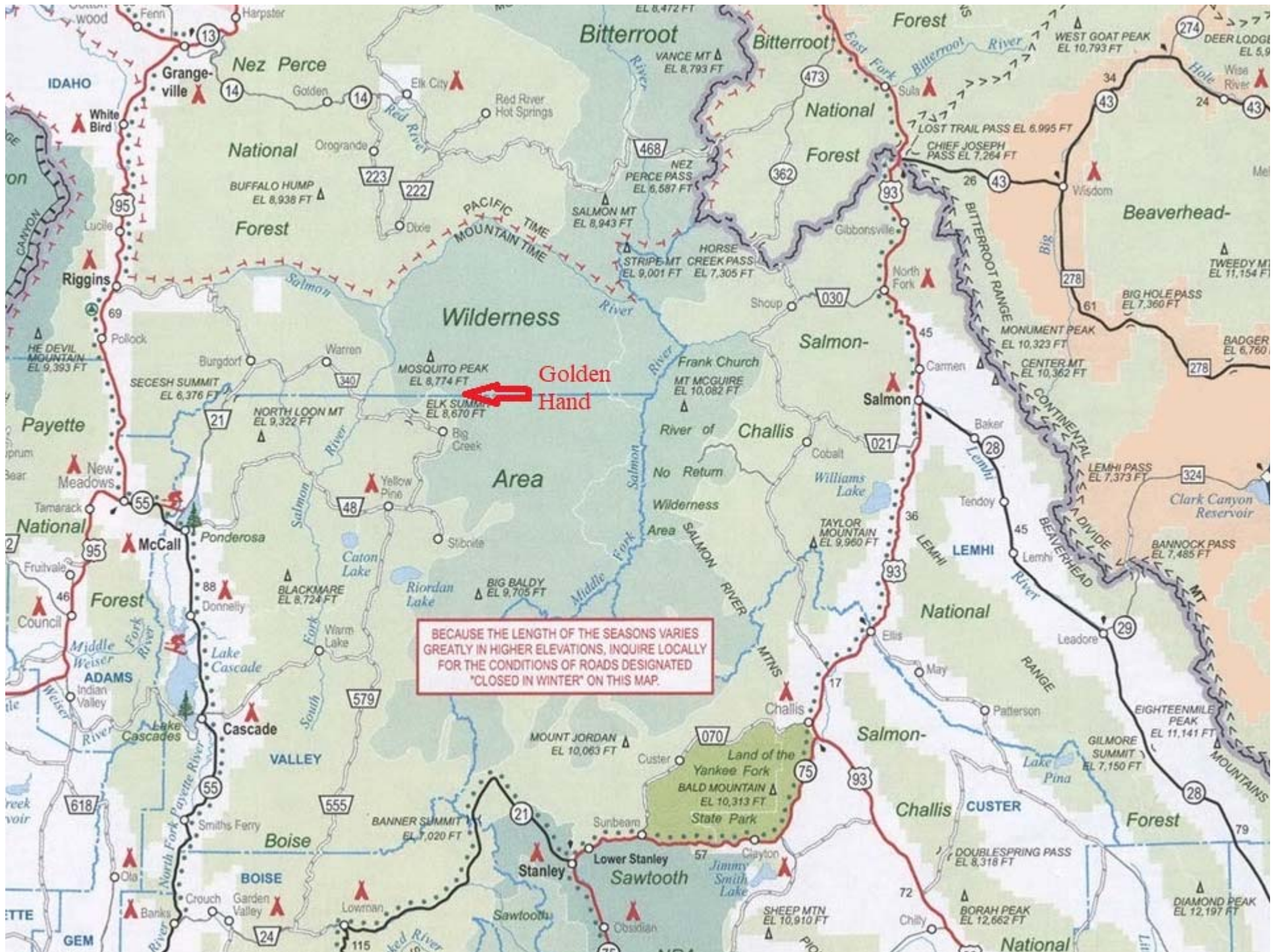


# Golden Hand Proposed Minerals Project

Frank Church—River of No Return Wilderness  
Payette National Forest, Idaho

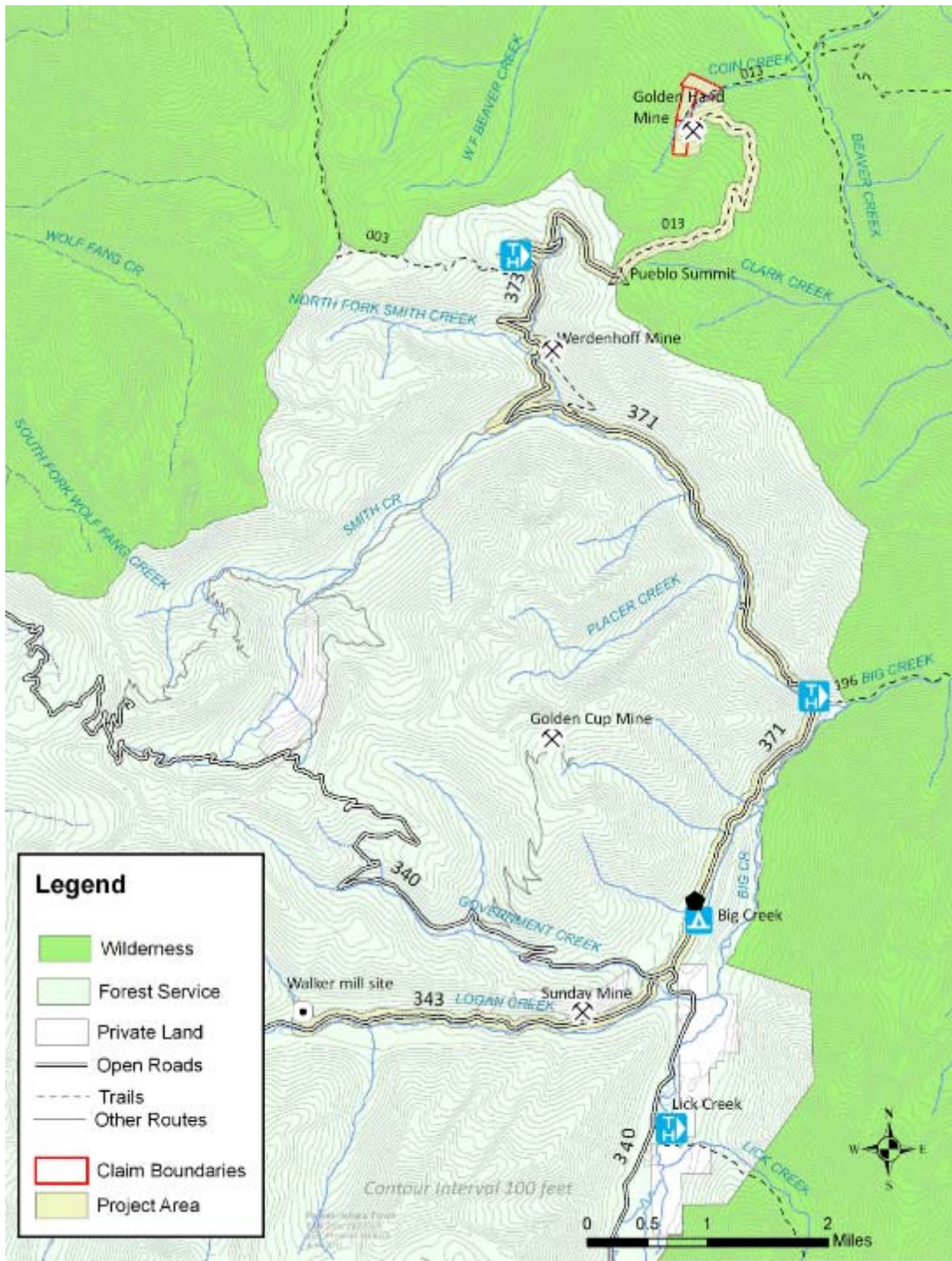
Michael Burnside USFS M&G, retired  
Clint Hughes, USFS Geologist/Mineral Examiner  
for MDOC Conference, May 2019





Golden Hand

BECAUSE THE LENGTH OF THE SEASONS VARIES GREATLY IN HIGHER ELEVATIONS, INQUIRE LOCALLY FOR THE CONDITIONS OF ROADS DESIGNATED "CLOSED IN WINTER" ON THIS MAP.



# 1964 Wilderness Act & 1980 Central Idaho Wilderness Act:

*Subject to valid rights then existing, effective January 1, 1984, the minerals in lands designated by this Act as wilderness areas are **withdrawn from all forms of appropriation under the mining laws...\****

*(\*means no exploring for valuable minerals after Jan. 1, 1984)*

***1872 Mining Law: valid existing rights to a claim are based in a discovery of a valuable mineral deposit with:***

- ✓ **An actual physical exposure (no inference) prior to the withdrawal**
- ✓ **Sufficient quantity & quality (reserves & grade) of mineralization for a profitable mine.**
- ✓ **AND can show it could be mined, removed, and marketed at a profit.**

**Claimant has right to collect evidence of a discovery to show at a hearing:**

- Can take a reasonable amount of samples after date of withdrawal to present as proof
- No right to conduct further exploration work looking for a valuable deposit
- Impacts to wilderness must be kept to minimum reasonably necessary

UNITED STATES FOREST SERVICE  
SURFACE USE DETERMINATION REPORT

Golden Hand Claims 1 & 2  
proposed plan of operations

Krassel Ranger District, Payette National Forest, Idaho

Prepared by: Michael Burnside 14 May 2018

Michael J. Burnside (date)  
Mineral Examiner, Mineral Lands Consulting LLC

Clinton Hughes 14 May 2018

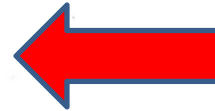
Clinton Hughes (date)  
Certified USFS Mineral Examiner

Technical Review by: Greg Graham 5/18/2018

Greg Graham (date)  
Certified Review Mineral Examiner

Management Review by: [Signature] 5/18/18

(date)



# **USFS POLICY:**

## *Surface Use Determination Report*

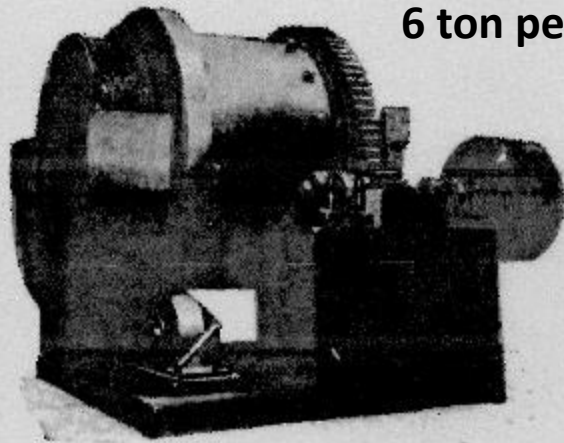
➤ *conducted to  
evaluate issues of  
“reasonableness”  
under the mining law.*





FIGURE 75. — Golden Hand mine; view to the south.  
From Cater, et al, Geological Survey Bull. 1304, **1973**

## 6 ton per day Straub Mill



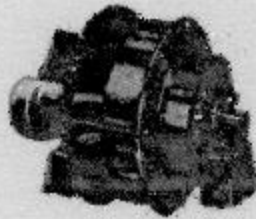
### Rib-cone Ball Mills

—use less water  
and power

Screening or screenless types, in capacities from 2 to 250 tons. All sizes and types get highest possible recovery, using less water and less power.

To the left—a screen type mill of 25-35 ton capacity. May be converted into a screenless type for use with outside classifiers.

Specialized Rib-cone Ball Mills for easy transportation into remote regions with largest pieces as small as 250 pounds.



Above—the 2.4 ton Prospector Rib-cone Ball Mill at \$220. Capacity can be doubled by adding extra parts at \$150.

### Complete or Partial Milling Plants

—with Straub quality cost less because of our efficient manufacturing methods and direct milling plant. Ore testing and assaying laboratories at your service.

## More Gold from Every Ton of Ore

### STRAUB EQUIPMENT SAVES VALUES!

With the present high price of gold you won't want it to go to the tailings dump. Straub equipment will save it! Many mines have increased their recovery tremendously with Straub Milling plants.

Send for Free Bulletin No. 300

Describes Rib-cone Ball Mills, crushers, Overstrom Universal Concentrators, stamp mills, flotation machines, water wheels, boilers, etc., etc. Learn how to save gold and how to recover these values at less expense.

# STRAUB

505 Chestnut St.

OAKLAND, CALIF.  
U. S. A.



## Mfg. Co.

NAME OF NEAREST  
DISTRIBUTOR ON REQUEST

## Golden Hand claims reported past production:

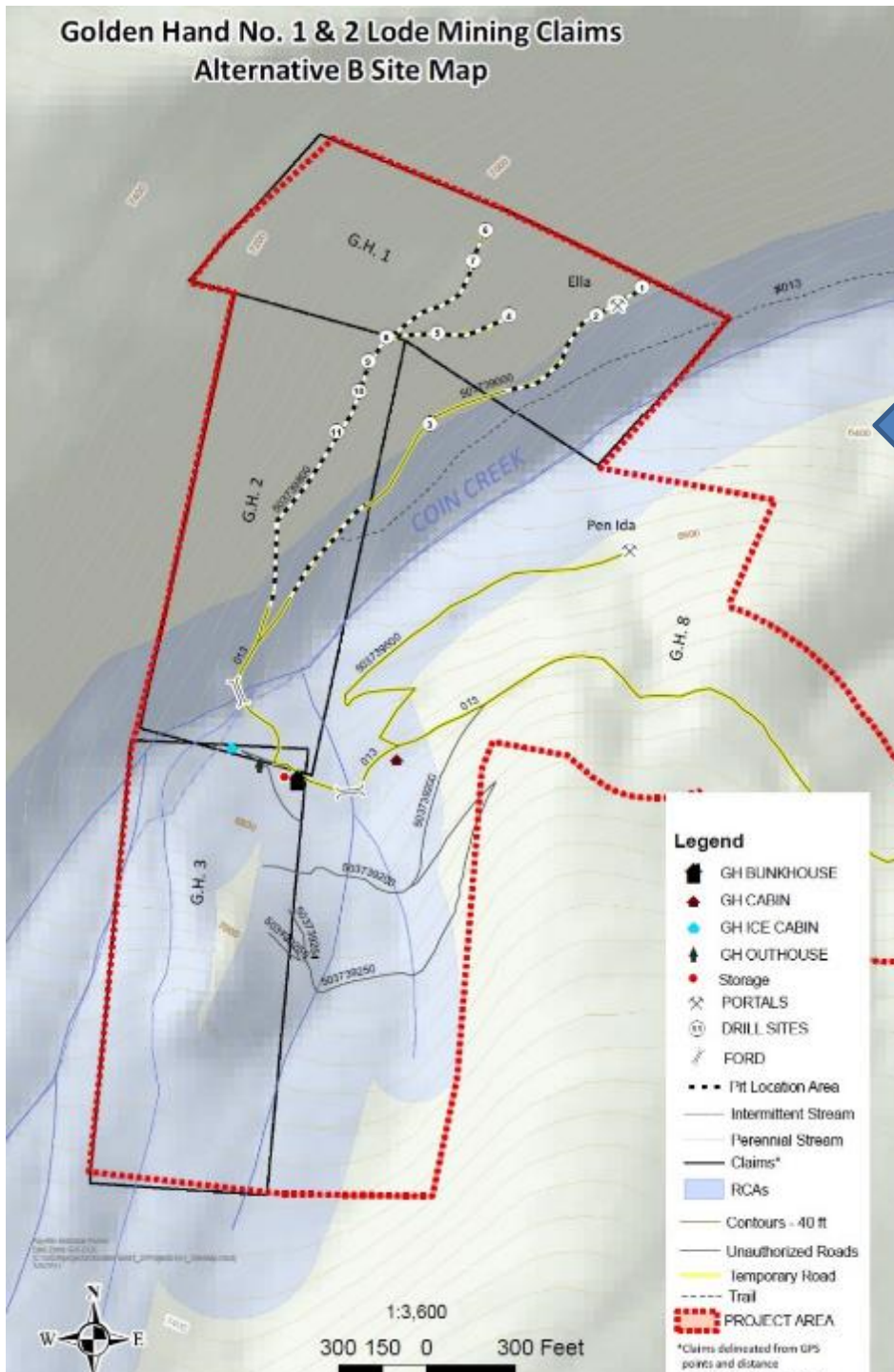
**1932-34: 1,368 oz Au, 301 oz Ag**

**1937: 15.84 oz Au**

**1938: 200 oz Au, 50 oz Ag**



Golden Hand mill 2017



**Project area map from  
2014 FEIS of GH claims  
1 & 2 and sites of  
proposed operations**

*Original Golden Hand  
claim group:*

*Total 8 claims, 20 acres each*

- *3 claims contest dismissed*
- *3 claims found invalid*
- *2 claims still in dispute,  
GH 1 & 2*



September 6, 2017 Highline Fire 70,000 acres @ 4 miles away

# Golden Hand map of 8 claims from 1986 claim validity report

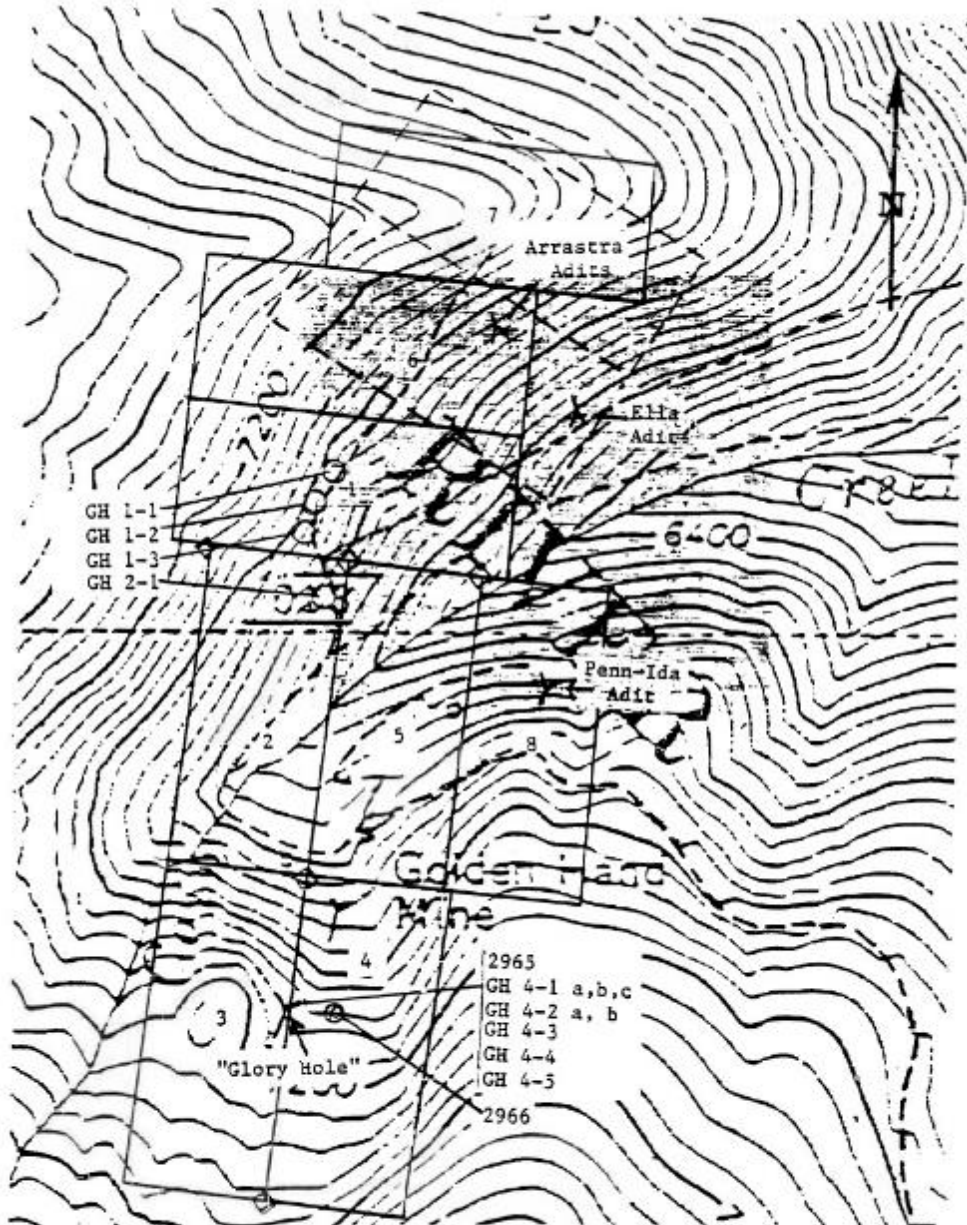
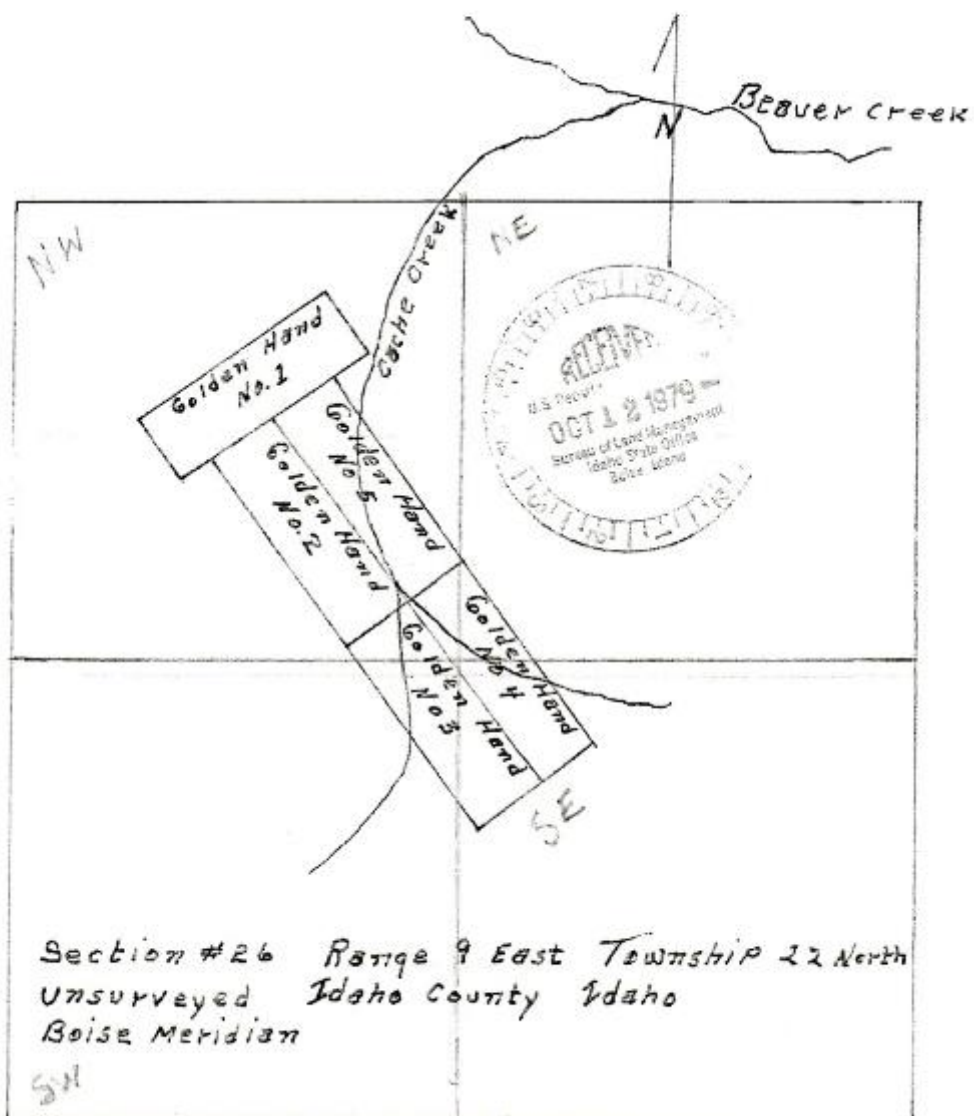


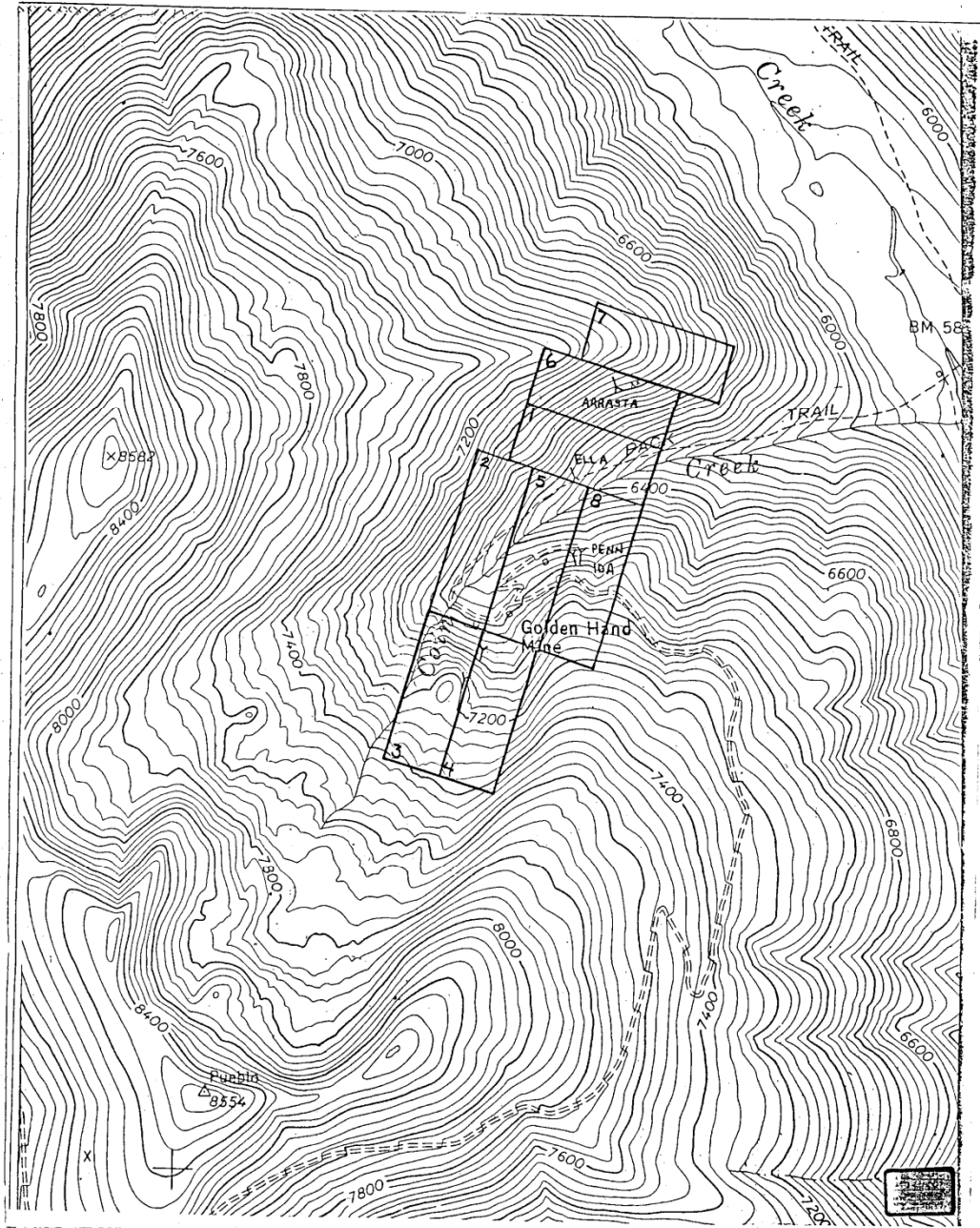
FIGURE 5. Golden Hand Lode Claims, Idaho County, Idaho, showing sampling locations. From U.S.G.S. Big Creek 7½' Quadrangle. Prepared by C. J. Thurmond, July, 1986. Scale 1" = 600 feet approximately.

- ◇ Corners Found
- Configuration of Claims 1-8 as submitted by claimant
- Configuration of Claims 1 and 6 as staked on the ground

James Collord, Big Creek Route, Cascade, Idaho 83611  
American Independence Mines & Minerals, Box 426, Vale, Oregon 97918  
Golden Hand No. 1, #2, #3, #4, #5 - lode



1979 original claim  
group map

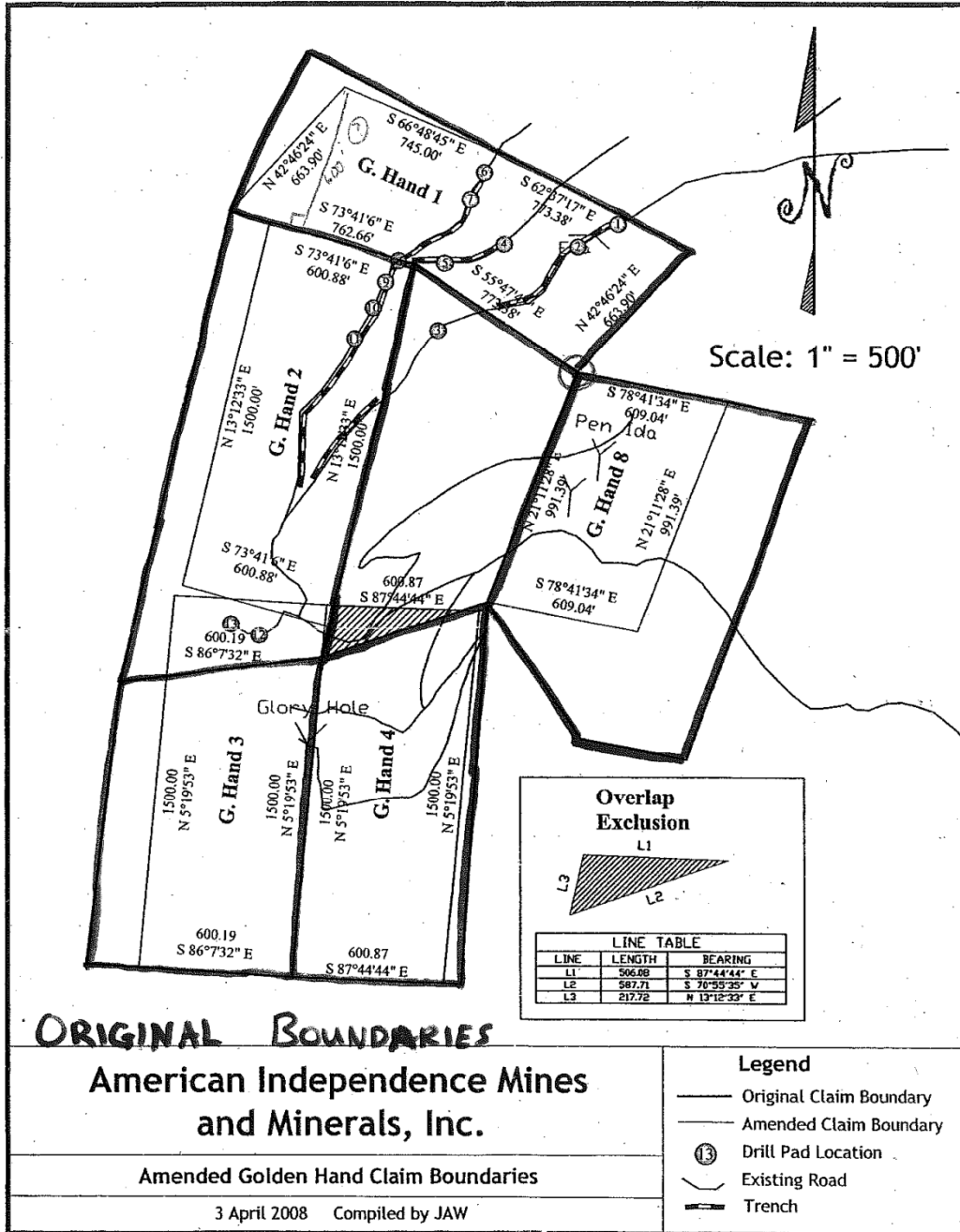


# 1988 AIMMCO claim group map





2007 AIMMCO  
claim map



**Overlap Exclusion**

LINE TABLE		
LINE	LENGTH	BEARING
L1	506.08	S 87°44'44" E
L2	587.71	S 70°55'25" W
L3	217.72	N 13°12'23" E

**ORIGINAL BOUNDARIES**

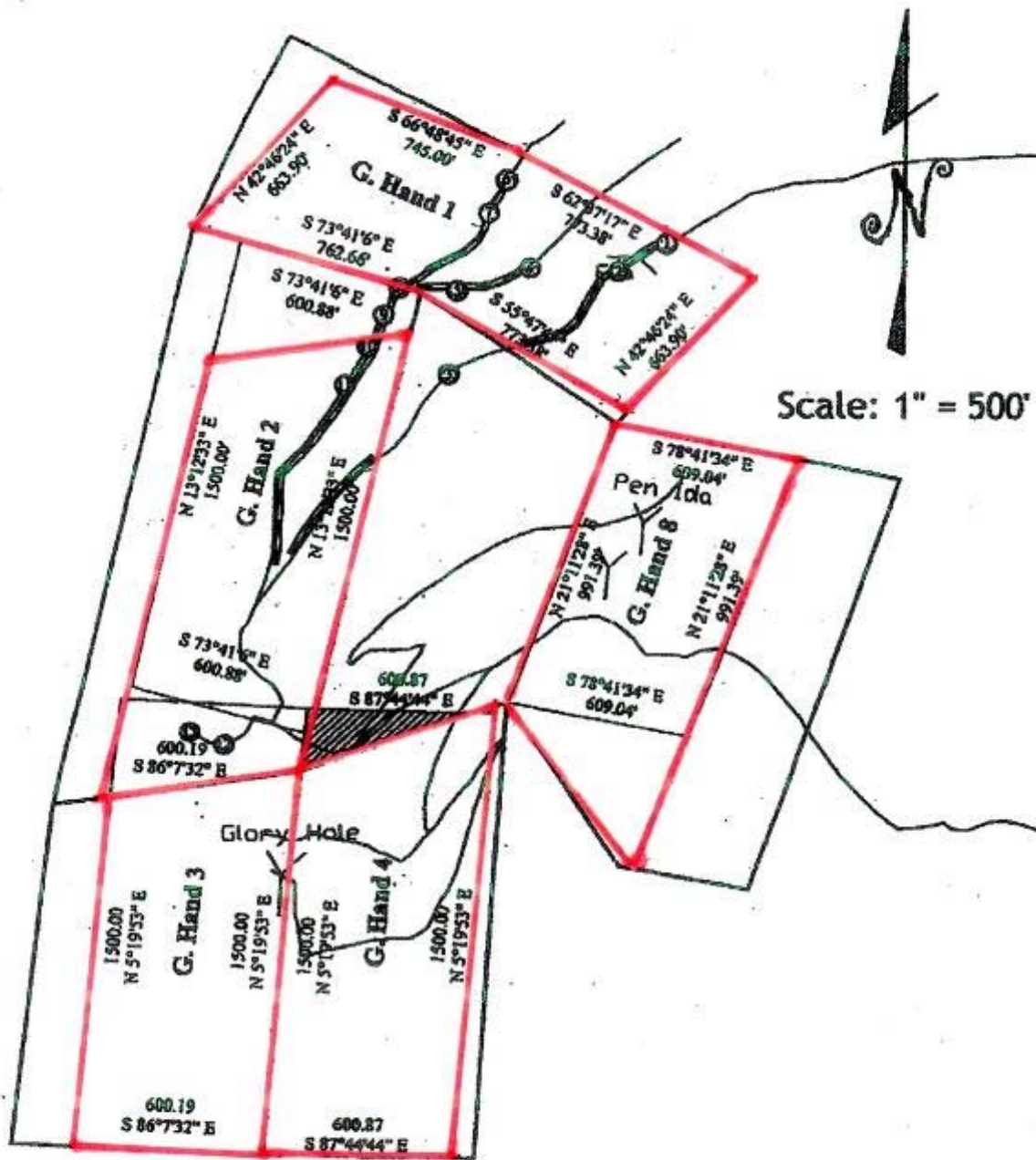
**American Independence Mines  
and Minerals, Inc.**

**Amended Golden Hand Claim Boundaries**

3 April 2008 Compiled by JAW

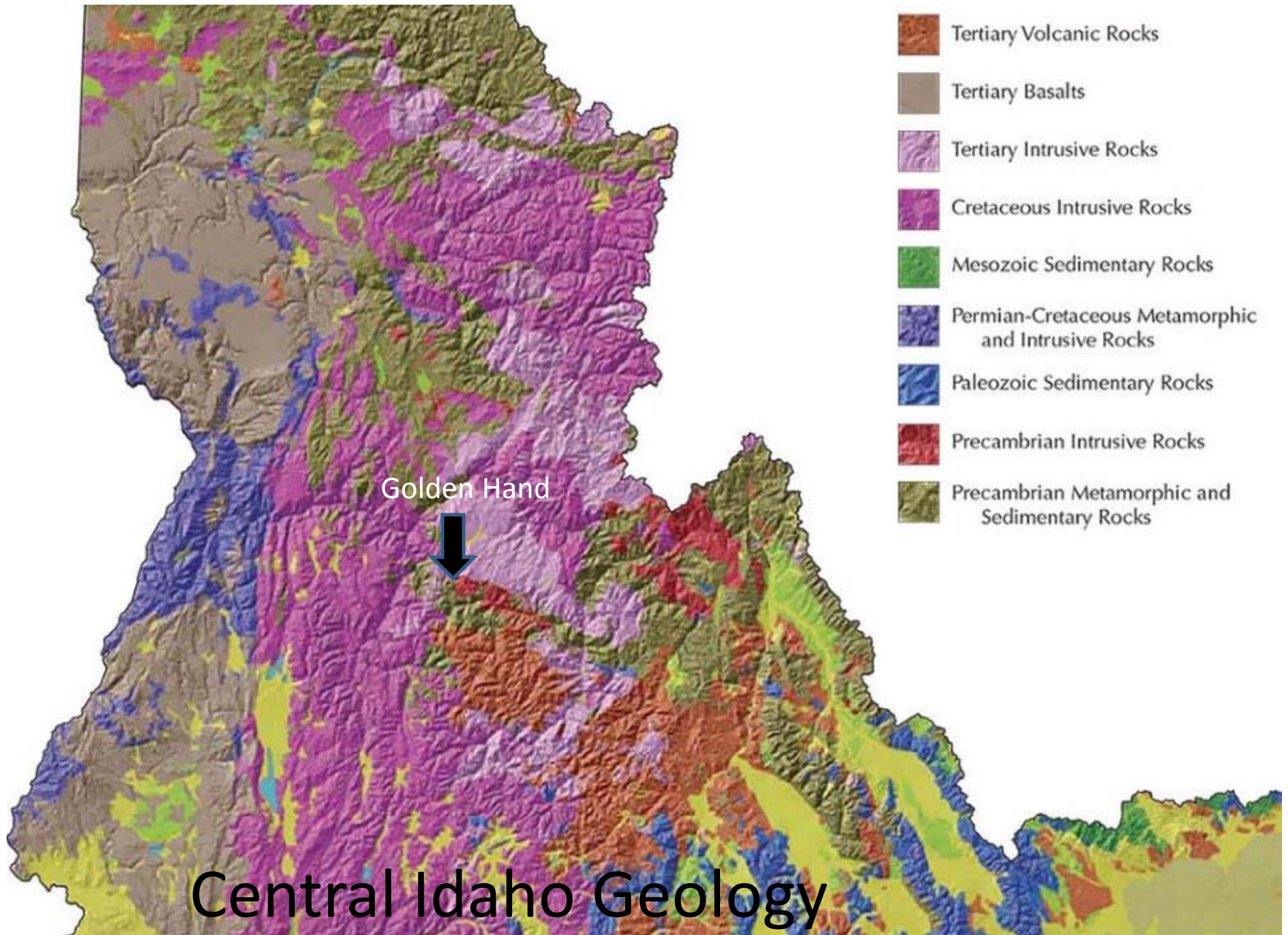
**Legend**

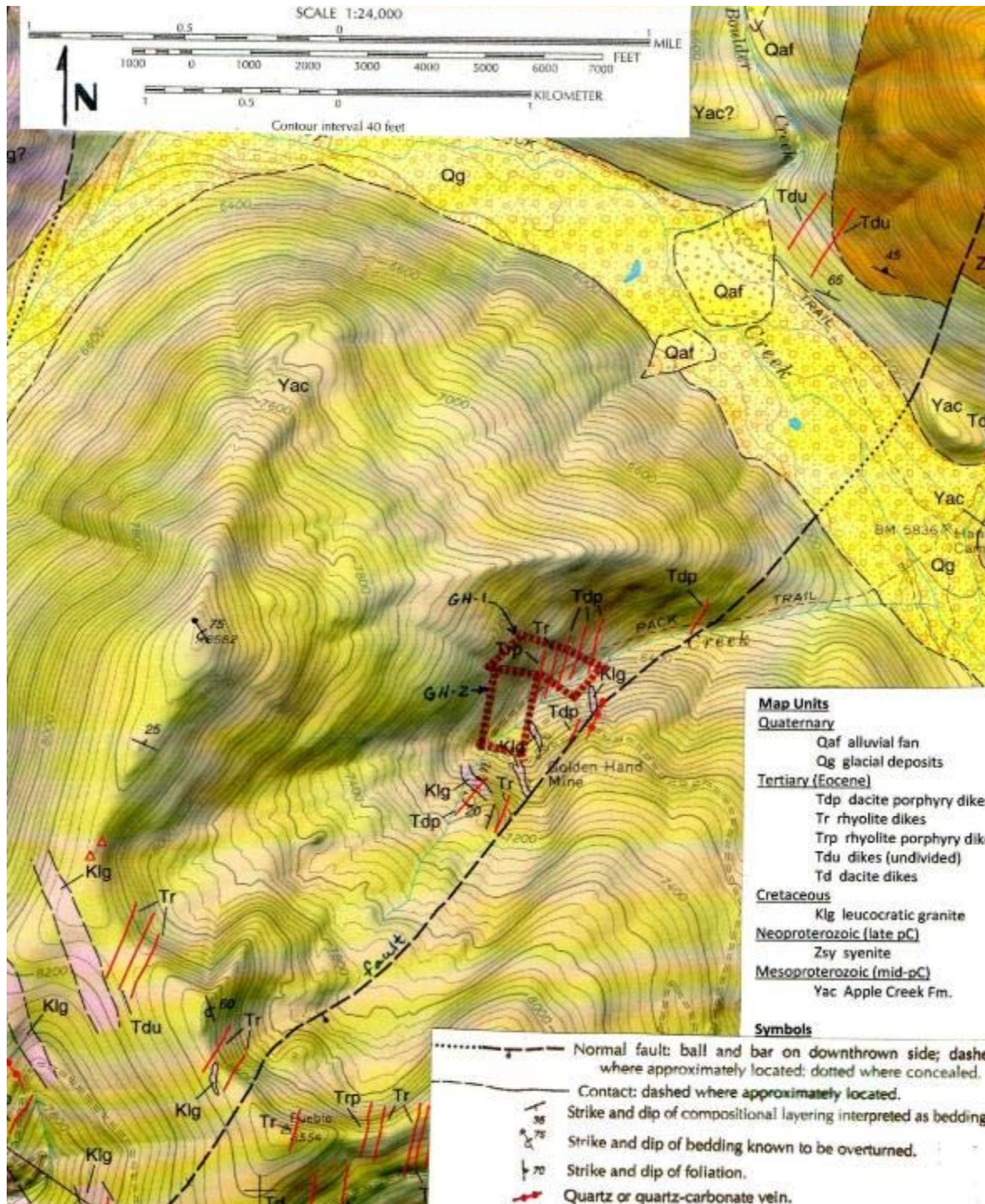
- Original Claim Boundary
- Amended Claim Boundary
- Drill Pad Location
- Existing Road
- Trench



BLM's reply on how to amend claim boundaries consistent with regulations

POSSIBLE AMENDED CLAIM CONFIGURATION – GOLDEN HAND CLAIMS

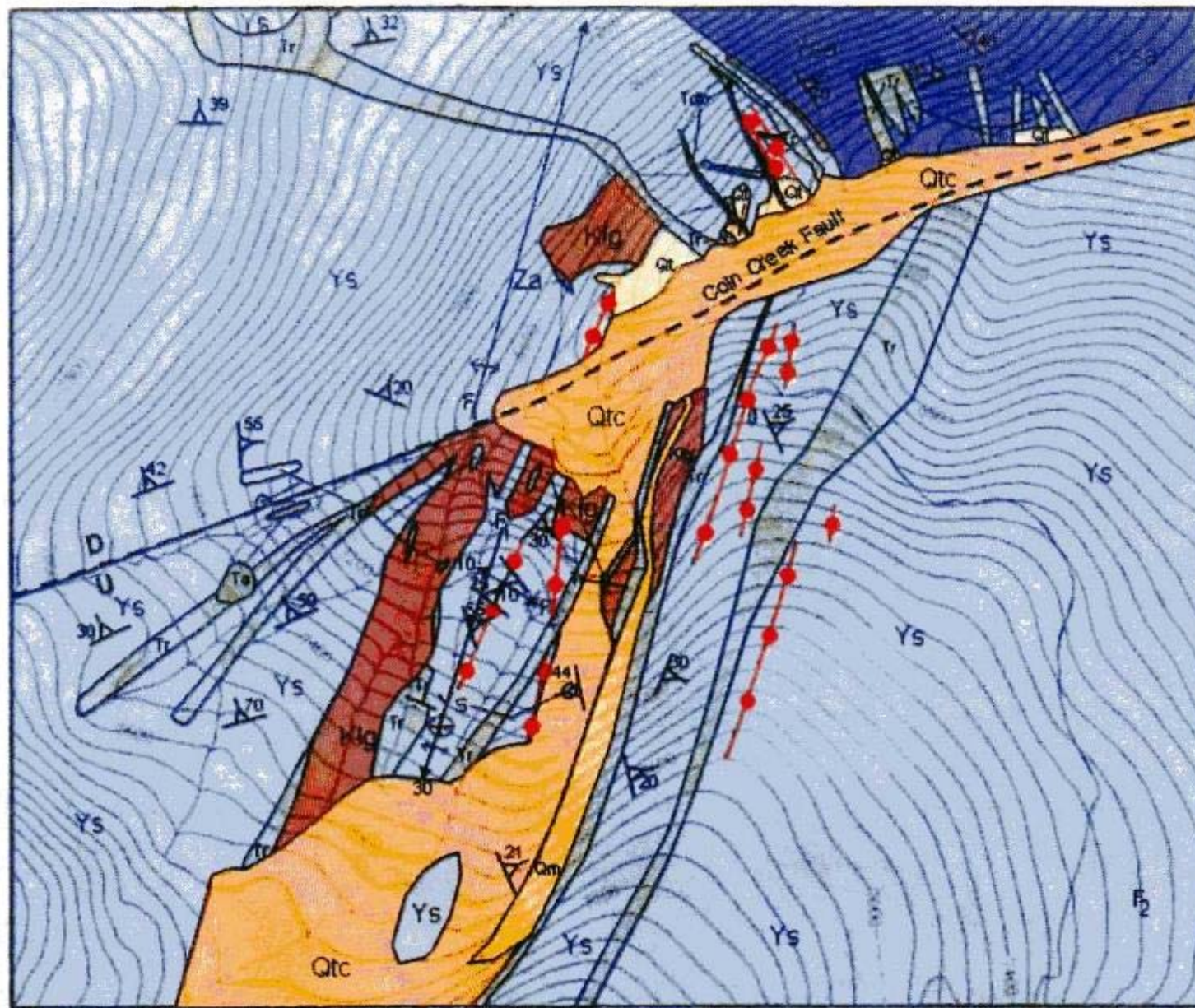




Geologic map of claim area by Idaho Geological Survey, 2011

Figure 4. Geologic Map of the Golden Hand Mine Area

Explanation



- Qtc Quaternary talus + colluvium
  - Qt Quaternary talus
  - Qm Quaternary morainal deposits
  - Tertiary diabase or gabbro
  - Tr Tertiary rhyolite or granophyre
  - Ta Tertiary andesite
  - Cretaceous leucogranite of the Idaho Batholith
  - Neoproterozoic amphibolite
  - Mesoproterozoic siltstone and Sandstone with Neoproterozoic amphibolite
  - Ys Mesoproterozoic siltstone and sandstone
  - 10 Strike and dip of bedding ( $S_0$ ) and parallel foliation ( $S_1$ )
  - Fault  ⊕ Horizontal Layering
  - Quartz vein
  - F<sub>1</sub> Folds only Mesoproterozoic rocks
  - F<sub>2</sub> Folds both Mesoproterozoic and Neoproterozoic rocks
- 500'  N



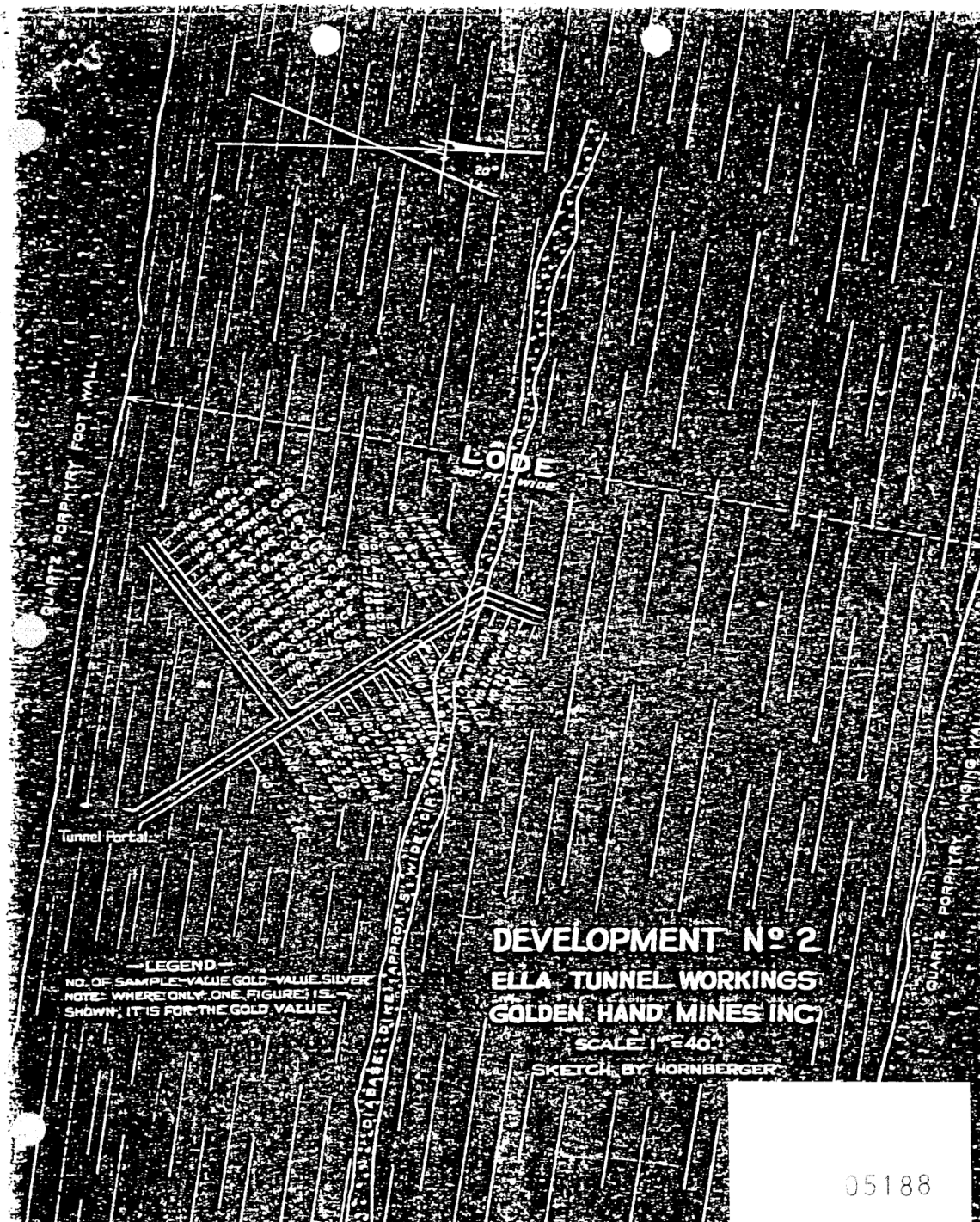
***Golden Hand claims air photo***

Distance from Stamp mill to Ella Adit @ 1,950 ft



Ella Adit site, view to west. Cache Creek to left.  
Adit caved since about 1941



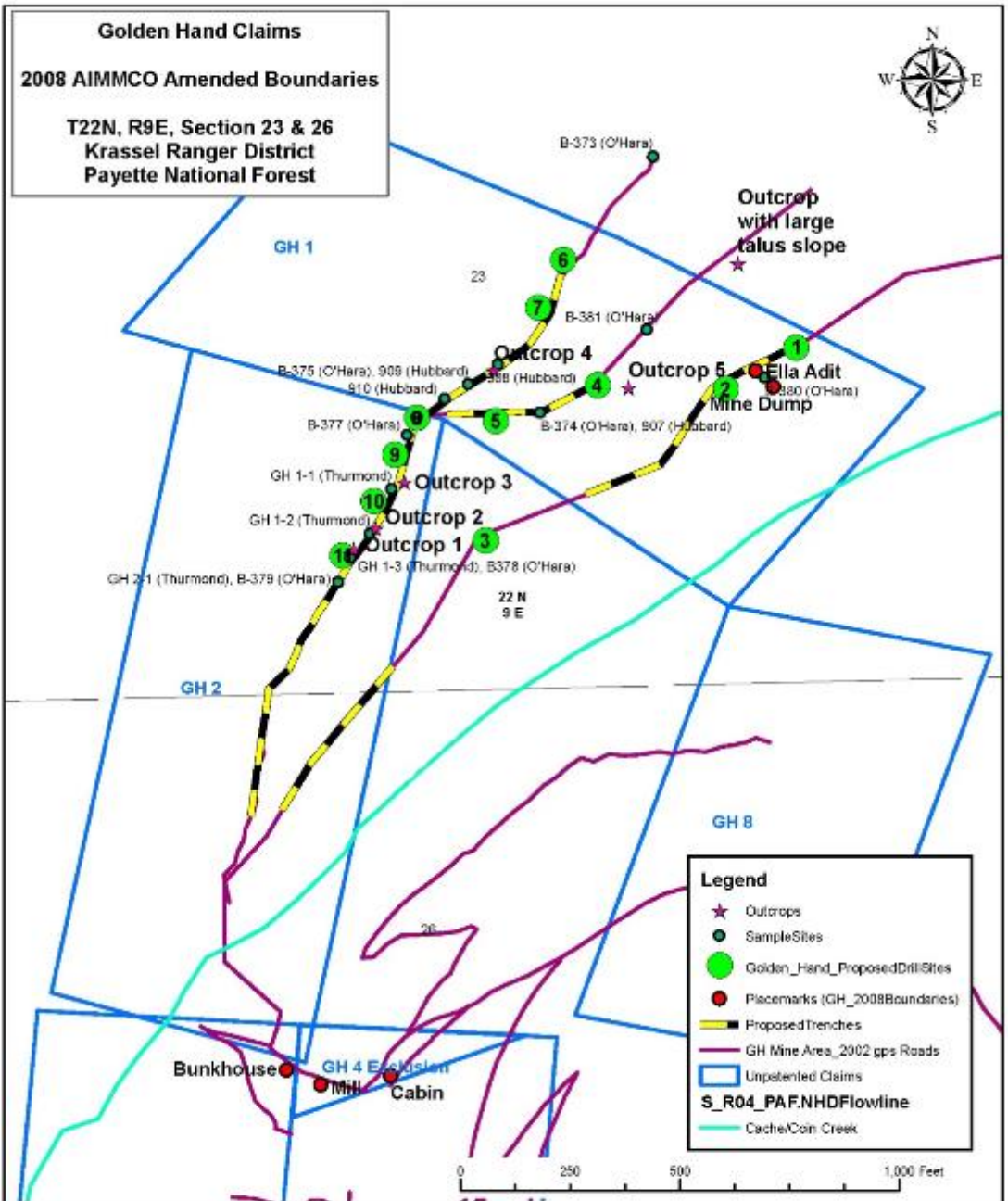


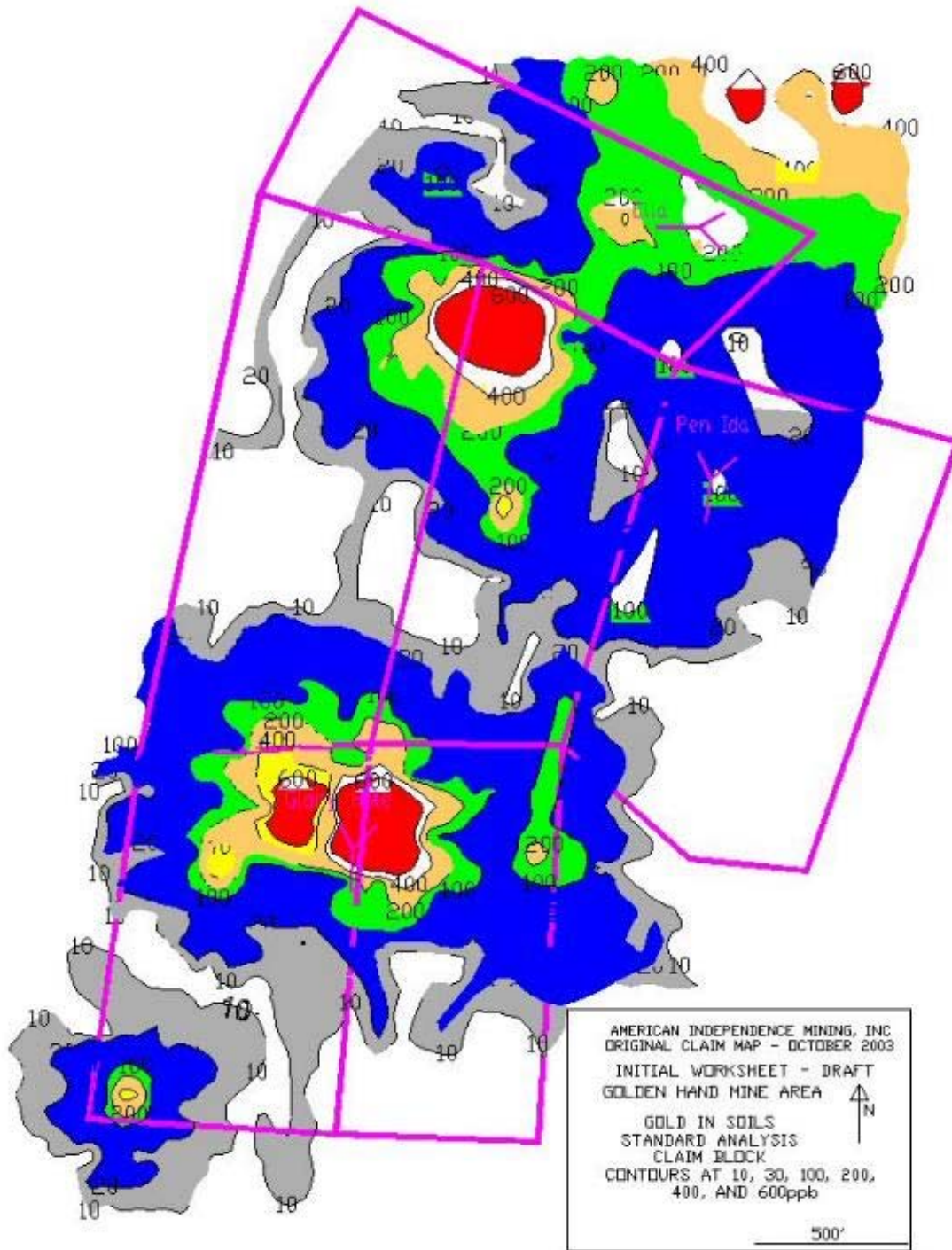
1935 underground  
 Ella Adit map:

39 samples assayed  
 from trace to 0.36  
 opt Au

## Surface samples from GH claims 1 & 2

<b>AIMMCO sample number</b>	<b>Au assay, parts per billion</b>	<b>Au assay, ounces per ton</b>
<b>B-373</b>	<b>2.5</b>	<b>0.0000729</b>
<b>B-374</b>	<b>2.5</b>	<b>0.0000729</b>
<b>B-375</b>	<b>11</b>	<b>0.00032</b>
<b>B-380</b>	<b>2160</b>	<b>0.063</b>
<b>B-381</b>	<b>5</b>	<b>0.0001458</b>
<b>907</b>	<b>31</b>	<b>0.000904</b>
<b>908</b>	<b>31</b>	<b>0.000904</b>
<b>909</b>	<b>62</b>	<b>0.001808</b>
<b>910</b>	<b>1306</b>	<b>0.03809</b>
<b>Average abundance of gold in Earth's crust (USGS, 1968)</b>	<b>3.5</b>	<b>0.000102</b>

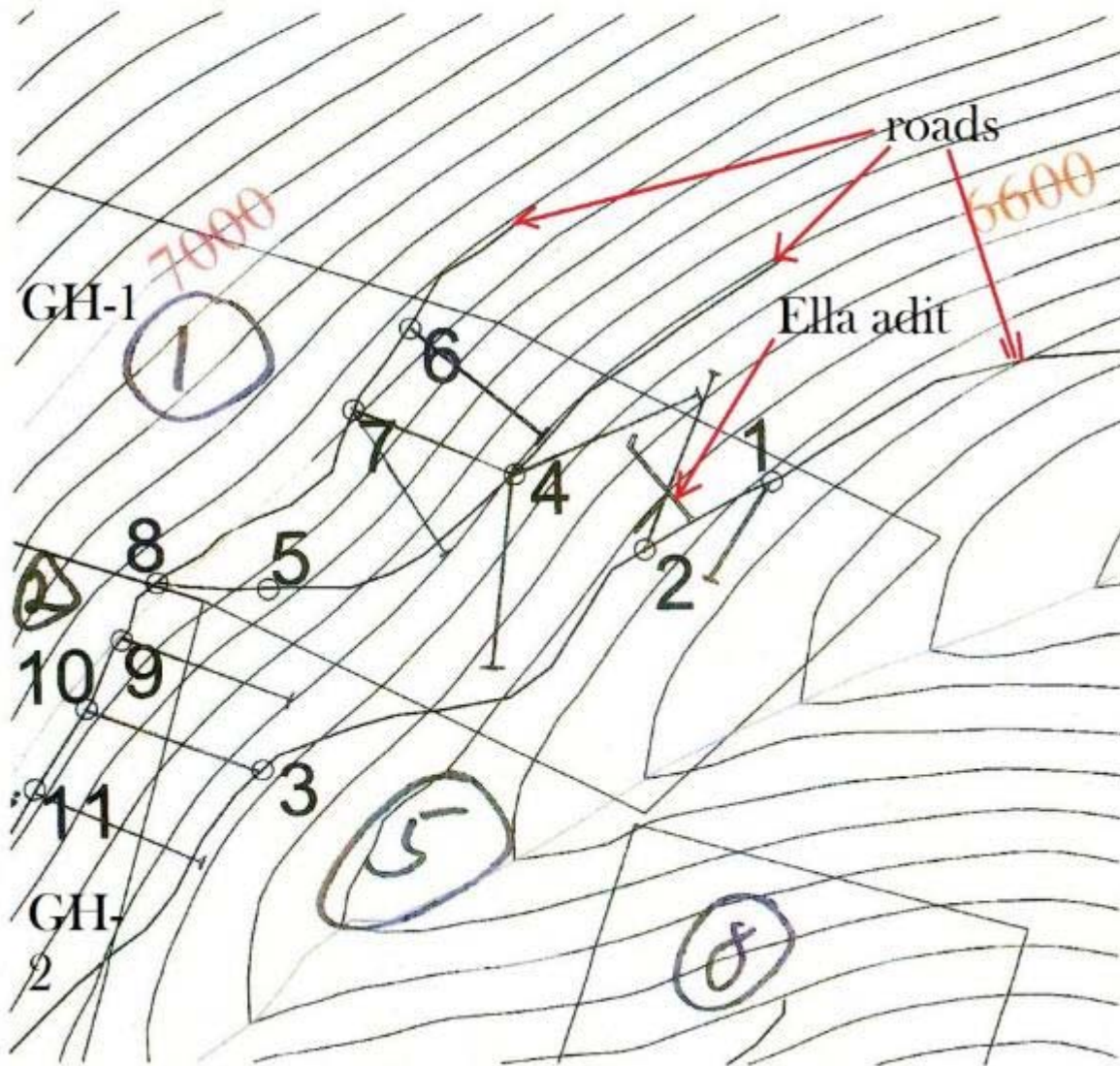




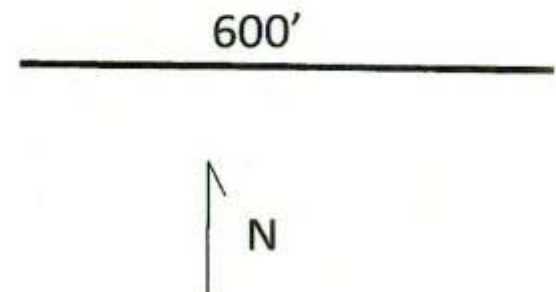
Gold anomalies based on 783 soil samples taken in 2003 & 2004 by AIMMCO

# Golden Hand Drill Plan Worksheet

1" = 500'



AIMMCO  
proposed drill  
program showing  
drillhole angle  
and depth



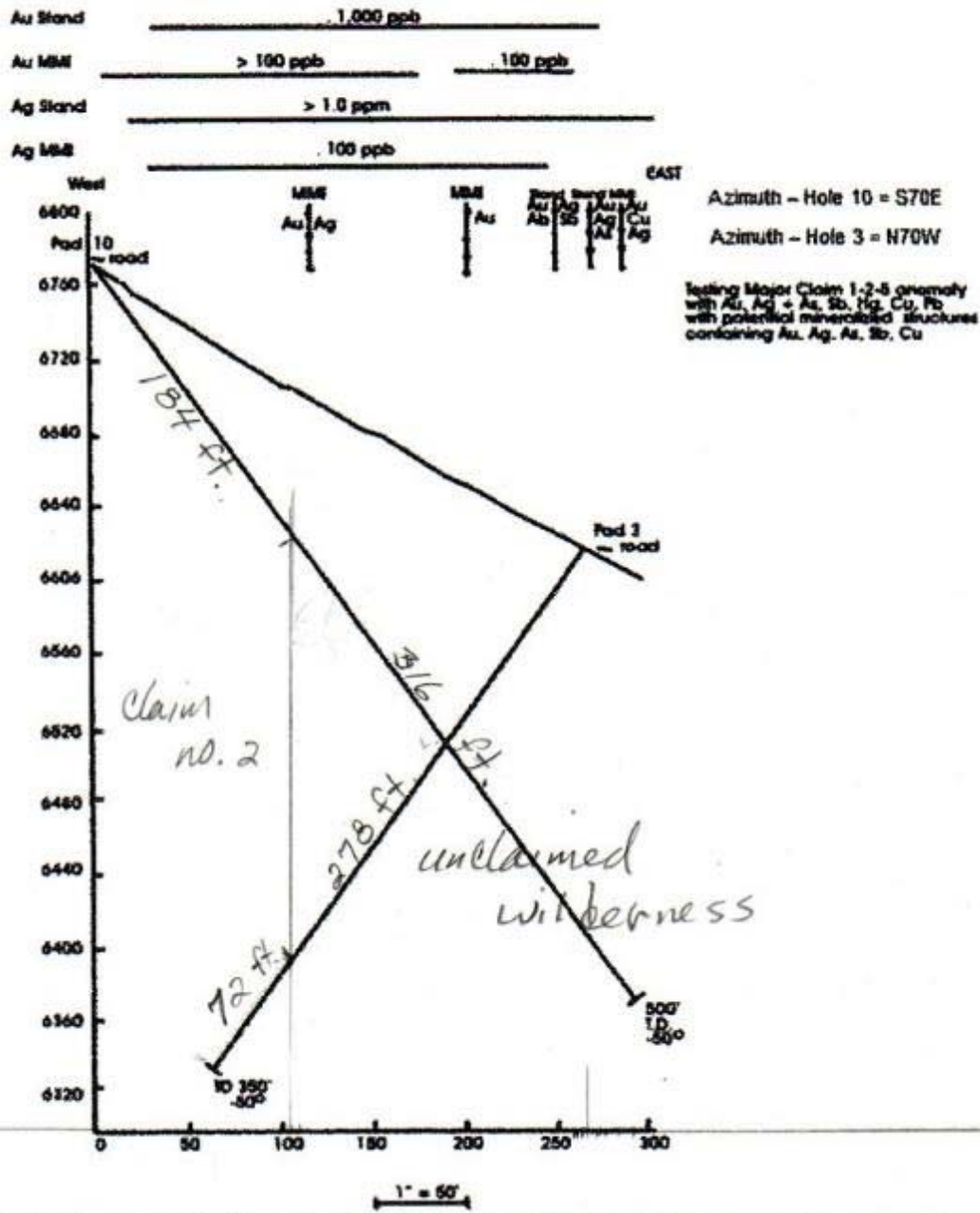


Outcrop 1, north side of upper road, claim 2.  
View to northwest



Drill site 3 east of claim 2

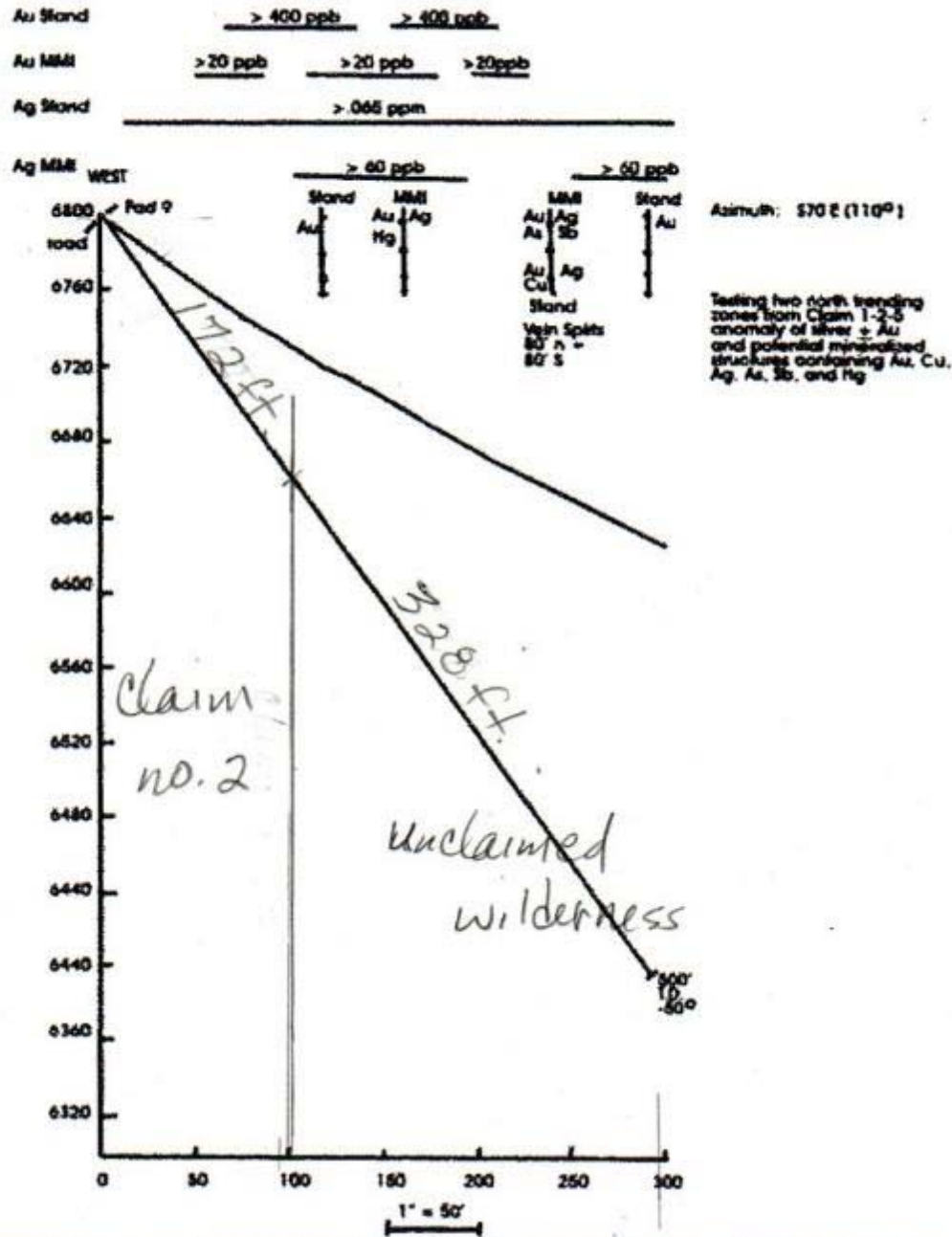
Figure 45. Drill Pad 10 + Pad 3 Section 10-3  
Looking Northerly



Cross section  
of proposed  
drill sites 10  
& 3

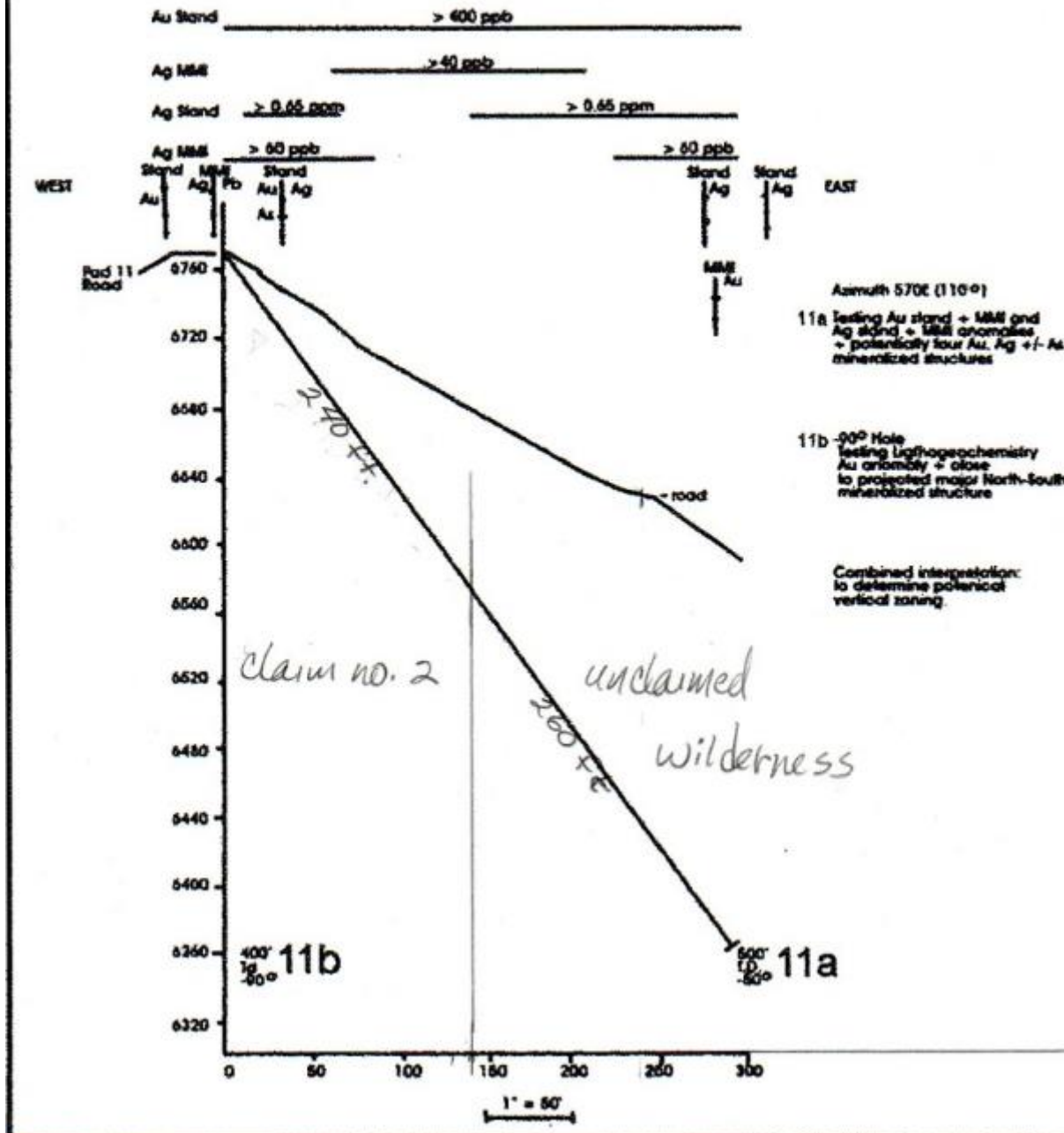


Figure 44. Drill Pad 9 Section 9  
Looking Northerly



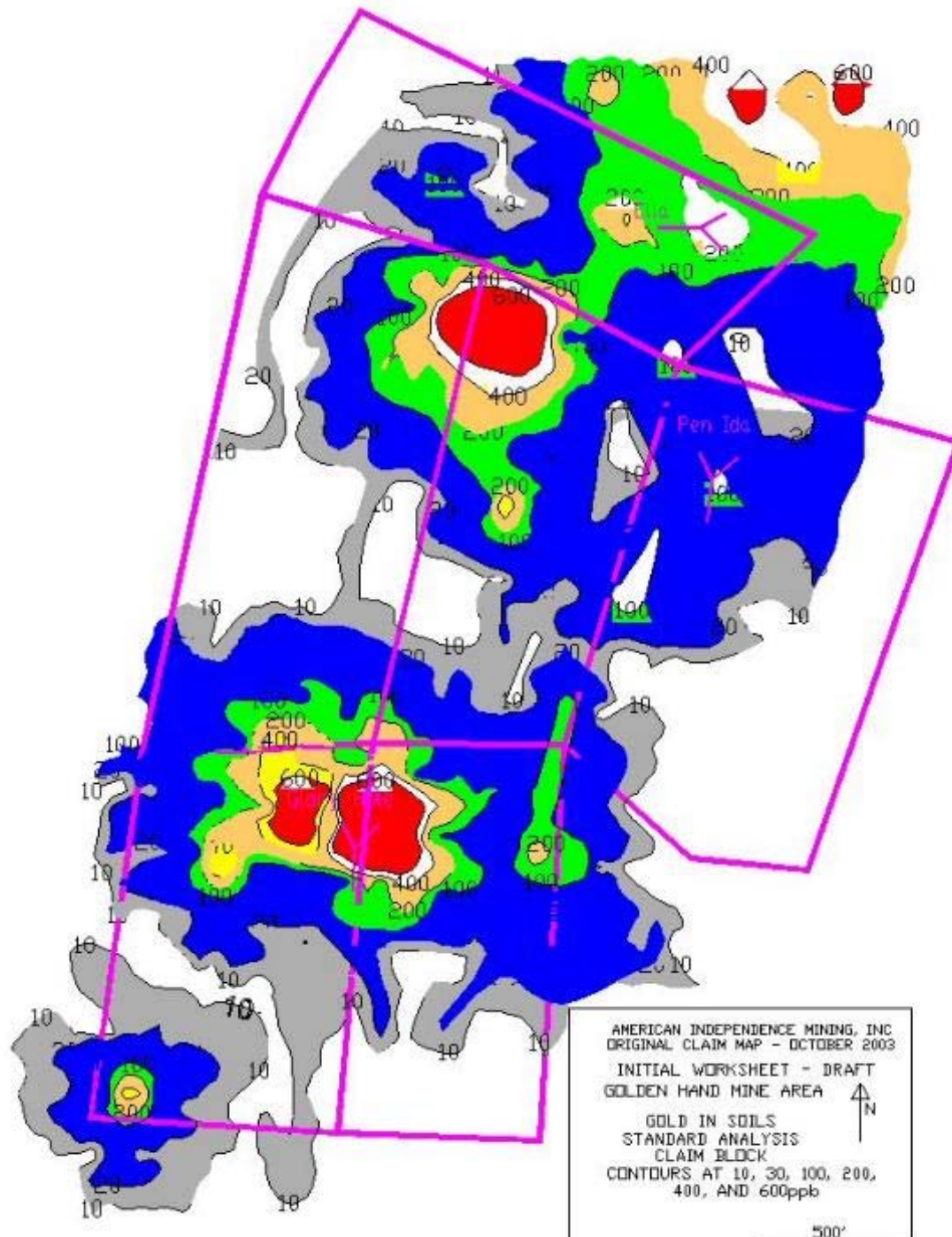
Cross section  
of proposed  
drill site 9

Figure 46. Drill Pad 11 Section 11a - 11b  
Looking Northerly



Cross section  
of proposed  
drill site 11

<b>Claim</b>	<b>Drill Site</b>	<b>Number of Drill Holes</b>	<b>Drilling all or in part off claims into unclaimed wilderness</b>
<b>GH 1</b>	<b>1</b>	<b>1</b>	<b>no</b>
<b>GH 1</b>	<b>2</b>	<b>1</b>	<b>Yes</b>
<b>GH 2</b>	<b>3</b>	<b>1</b>	<b>Yes</b>
<b>GH 1</b>	<b>4</b>	<b>2</b>	<b>yes (drill hole 4a only)</b>
<b>GH 1</b>	<b>5</b>	<b>? not stated in POO</b>	<b>? not stated in POO</b>
<b>GH 1</b>	<b>6</b>	<b>1</b>	<b>no</b>
<b>GH 1</b>	<b>7</b>	<b>2</b>	<b>no</b>
<b>GH 1 &amp; 2?</b>	<b>8</b>	<b>? not stated in POO</b>	<b>? not stated in POO</b>
<b>GH 2</b>	<b>9</b>	<b>1</b>	<b>yes</b>
<b>GH 2</b>	<b>10</b>	<b>1</b>	<b>yes</b>
<b>GH 2</b>	<b>11</b>	<b>2</b>	<b>yes (drill hole 11a only)</b>



Gold anomalies  
 based on 783  
 soil samples  
 taken in 2003-  
 2004 by  
 AIMMCO

## Conclusions:

- Majority of drilling is exploration and not lawful under Wilderness Act or necessary to corroborate existing exposures of discovery
- About half of drilling is into unclaimed wilderness
- Proposed trenching is exploration & not necessary to corroborate existing discovery or minimize effects on wilderness
- Soil anomalies are not evidence of an actual exposure of a valuable mineral deposit
- There are other less impactful ways to obtain information to corroborate an existing discovery

# Recommendations:

## Manage effects of Ella adit reopening

- Calculate & plan for maximum material to be excavated including for sampling
- Sample and test mined rock for ARD and metal release, use GARD guide
- Plan for ground support, subsidence
- Stabilize, contain & reclaim waste, separate ARD rock
- Control slope stability, sediment, install erosion barriers for Cache creek
- Plan to treat any mine water and storm water discharge & for final adit closure
- Target any GH 1 drill holes at Ella site mineralization

## **Recommendations (continued):**

- Focus on sampling surface outcrops
- Keep drilling inside the 2 claims
- Assist outcrop sampling with small portable drill rigs, small dozer, backhoe
- No deep drill holes or bulk pit sampling on claims (exploration)

- Plan to reclaim access roads, existing waste dump, mill tailings, and related
- Maintain roads, creek crossings
- Provide for public safety
- Plan for fire safety esp. wild fires
- Inventory old mine and mill waste, structures for hazmat
- Reevaluate number of motorized trips needed into wilderness
- Require a reclamation bond!



## **Also recommend:**

- PNF & AIMMCO should agree to conduct joint sampling
- PNF arrange for formal land survey of active claims
- PNF consult further w/BLM on legality of claim locations & dimensions
- Supplement 2014 EIS to consider new SUD report alternatives

A photograph of a person standing on a steep, rocky slope covered in debris and sparse vegetation. The person is wearing an orange shirt and dark pants. The background is a dense forest of tall evergreen trees. The word "Questions?" is overlaid in large yellow text on the image.

Questions?