



# **A SURVEY OF ONE HUNDRED STONES – PART 1**

**SWEET HOME MINE, ALMA, COLORADO**

**A CASE HISTORY**

**FEBRUARY 25, 2022**

Presented by  
**C. Eugene Kooper, PLS, PG, CFedS**

# Course Discussion Items

1. When conducting a monumented land survey of two or more patented lode mining claims that are in conflict with each other, **must** a Colorado Professional Land Surveyor stake the intersections of the conflicting mineral surveys? In other words, do the Colorado Revised Statutes and/or Board Rules require the intersections to be staked? (See Sec. 38-51-102 Definitions (13))

“Monumented land survey” means a land survey in which monuments are either found or set pursuant to sections 38-51-103, 38-51-104, and 38-51-105 to mark the boundaries of a specified parcel of land.

2. How should the land surveyor address the possibility that monuments have moved in mountainous terrain?

a. What standard of proof should be applied in these is situations?

b. How should a surveyor reestablish a corner where the monument has moved?

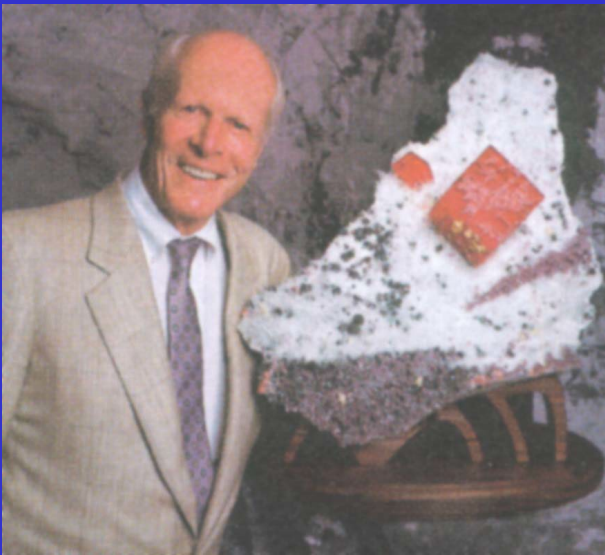


# The Alma King

Rhodochrosite on  
Quartz, Fluorite  
and Tetrahedrite

Sweet Home Mine  
Alma, Colorado

Photograph by  
Jeff Scovil



# The Alma King Crystal as Found

Single Crystal of  
Rhodochrosite in Vug  
(4 1/4" x 4 1/4" x 2 1/2")

Rainbow Pocket  
Sweet Home Mine  
Alma, Colorado

Photograph by  
Bryan Lees







Imbedded in a spectacular yet delicate matrix of clear quartz and fluorite crystals lies the Museum's newly acquired, deep red Alma King rhodochrosite crystal rhombus, the largest and most perfect specimen of its kind in the world. Actual size.

Photo: Jeffrey A. Scovil





SPEED  
LIMIT  
30

SPEED  
CHECKED  
BY RADAR

ALMA ELEVATION  
10,578

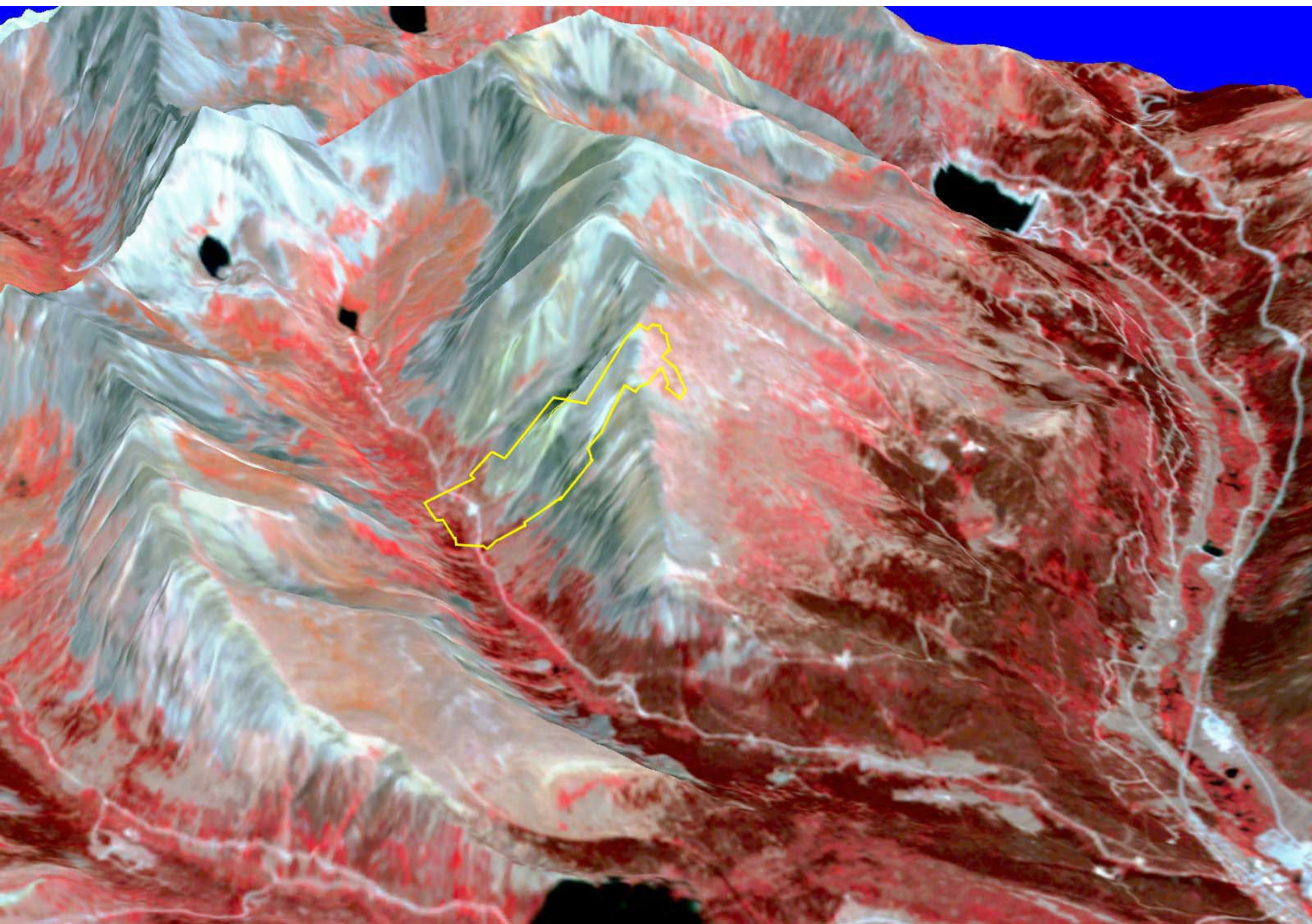


# Mt. Bross and Vicinity – Landsat Imagery





# Mt. Bross and Vicinity - ASTER Color-infrared





# Mt. Bross and Vicinity – Google Earth Pro Image





Mt. Bross

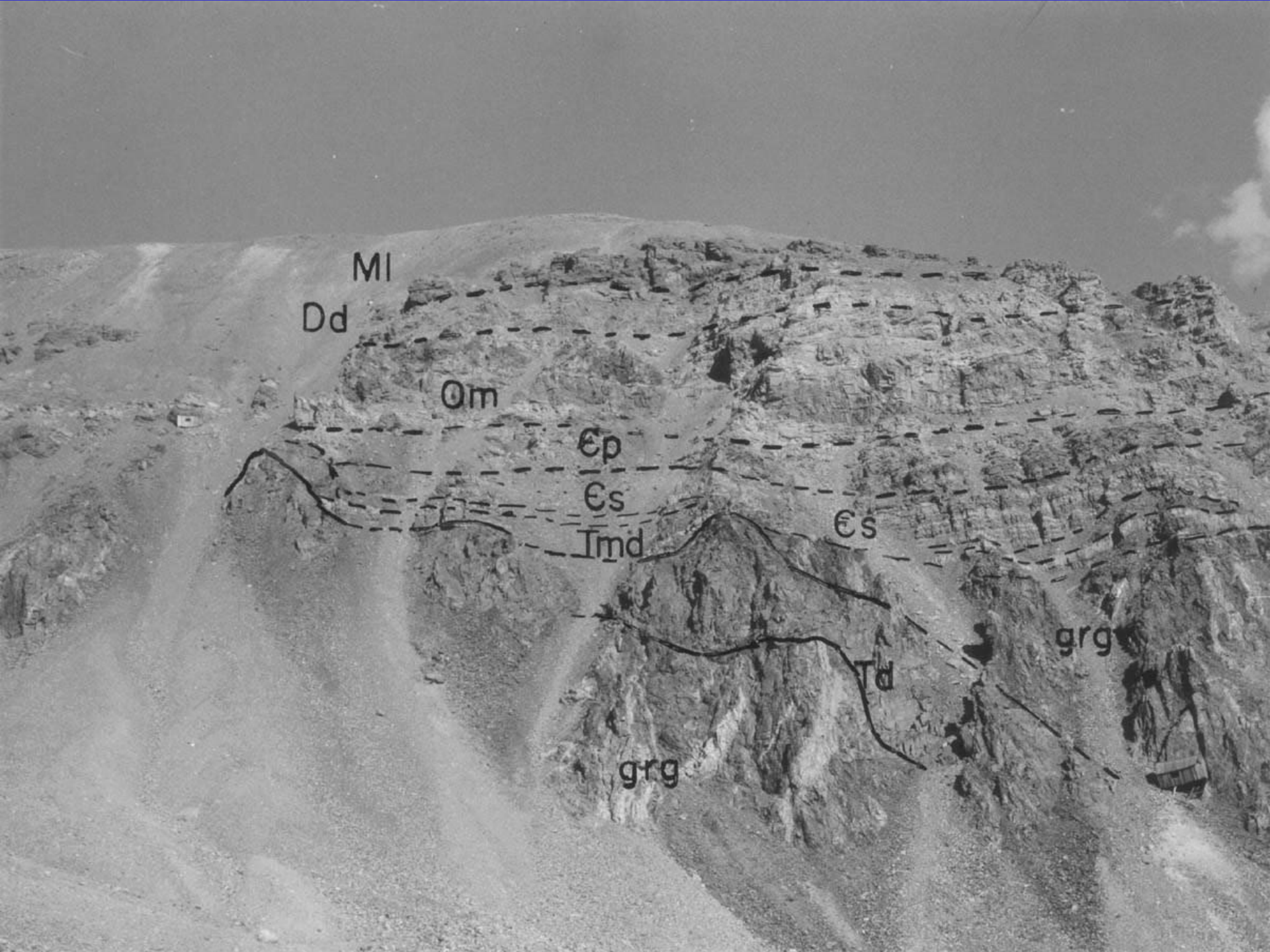
Photograph  
Taken from  
Loveland  
Mountain





From Colorado School of Mines Masters Thesis by Russell Corn - 1956





MI

Dd

Om

Ep

Es

Tmd

Es

Td

grg

grg



From Colorado School of Mines Masters Thesis by Russell Corn - 1956

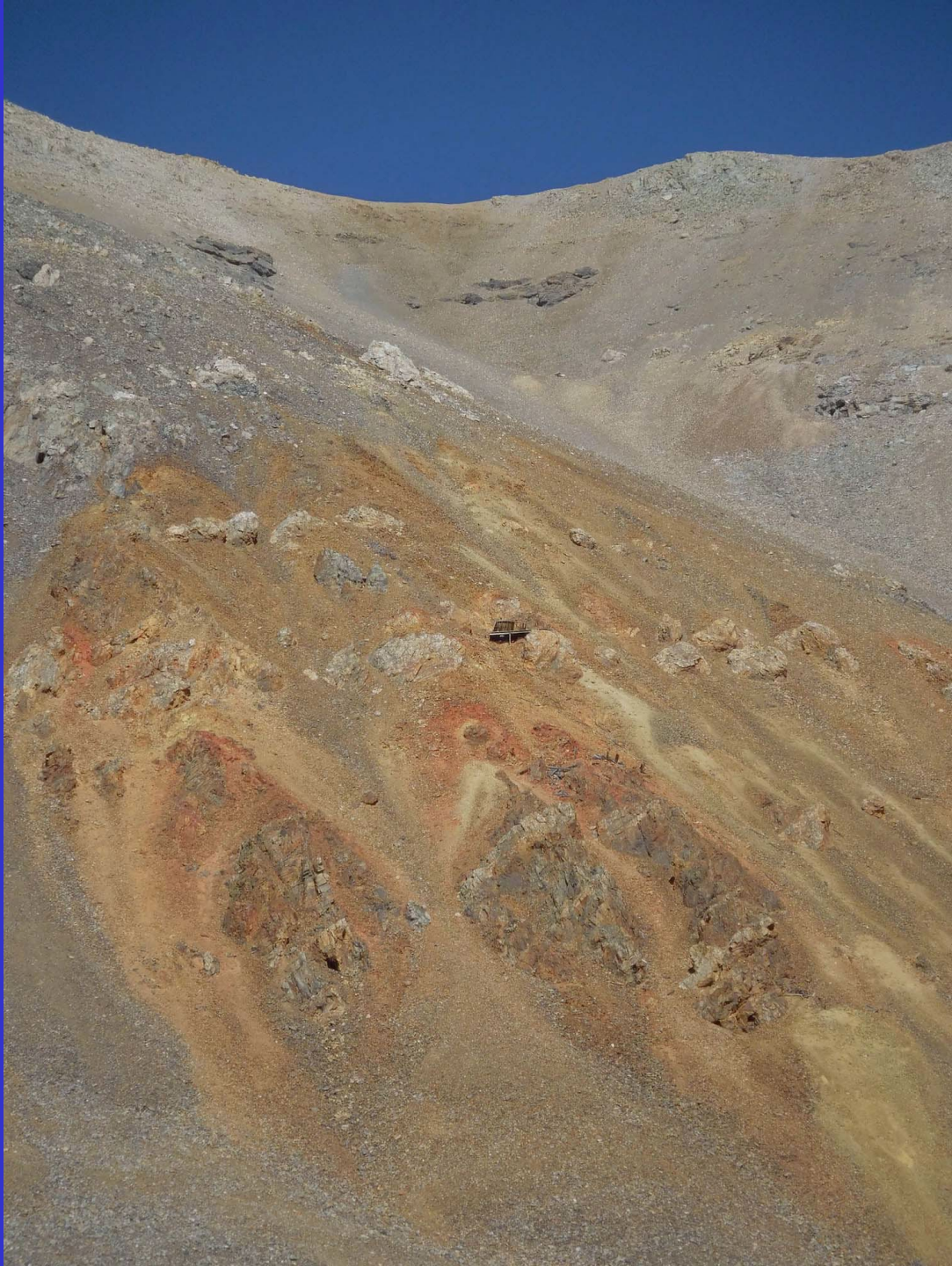


From Colorado School  
of Mines Masters  
Thesis by Russell Corn  
1956

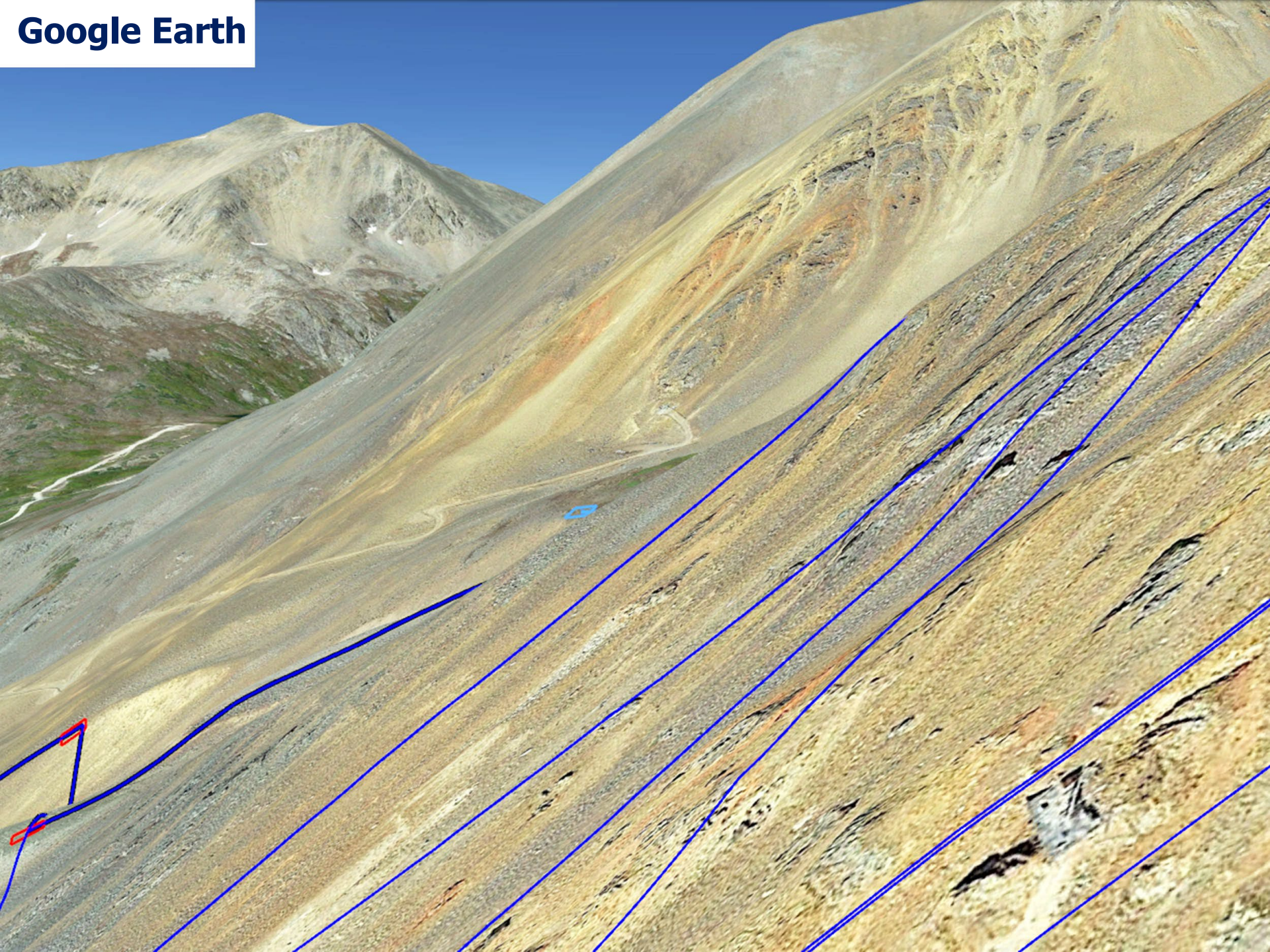
Sweet Home Mine and  
Outbuildings













*Vein contains minor Pyrite, Galena, Sphalerite, & Rodochrosite*

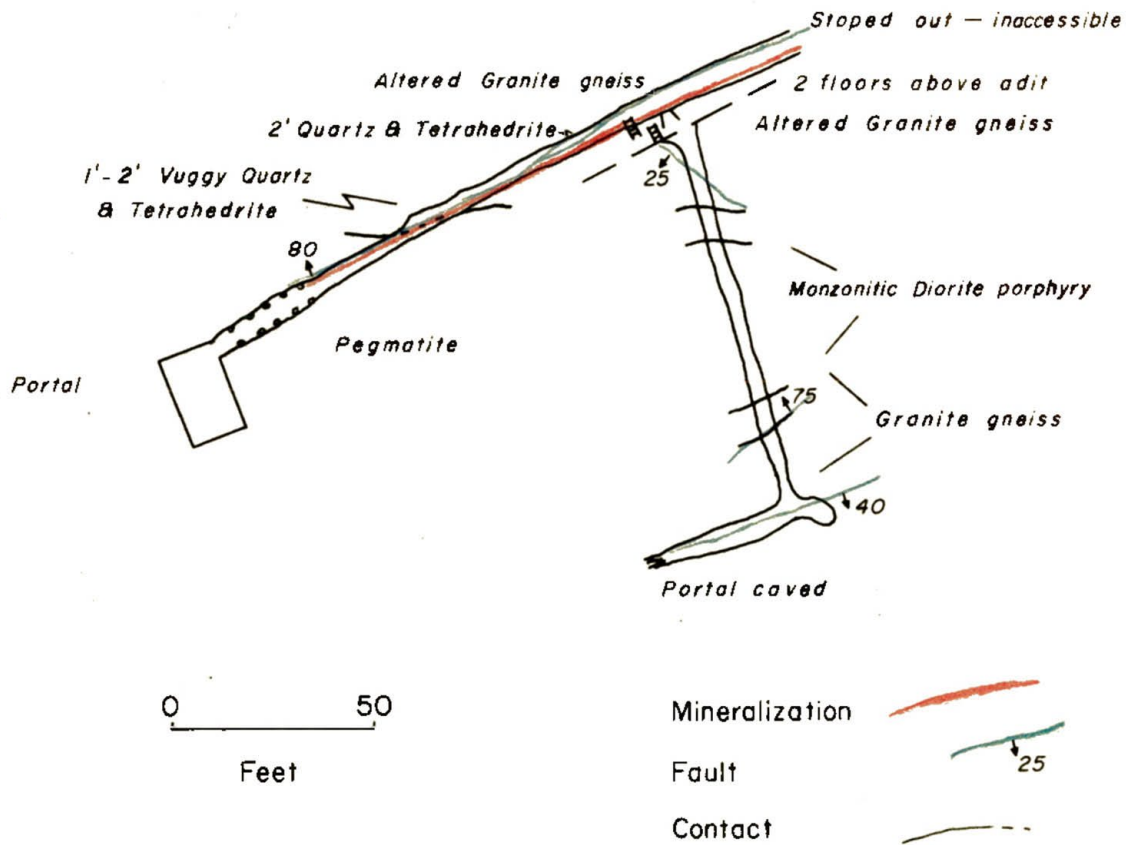


FIGURE 31

GEOLOGIC MAP  
OF  
UPPER ADIT, HOME SWEET HOME MINE  
PARK COUNTY, COLORADO  
R. CORN      AUGUST 1956





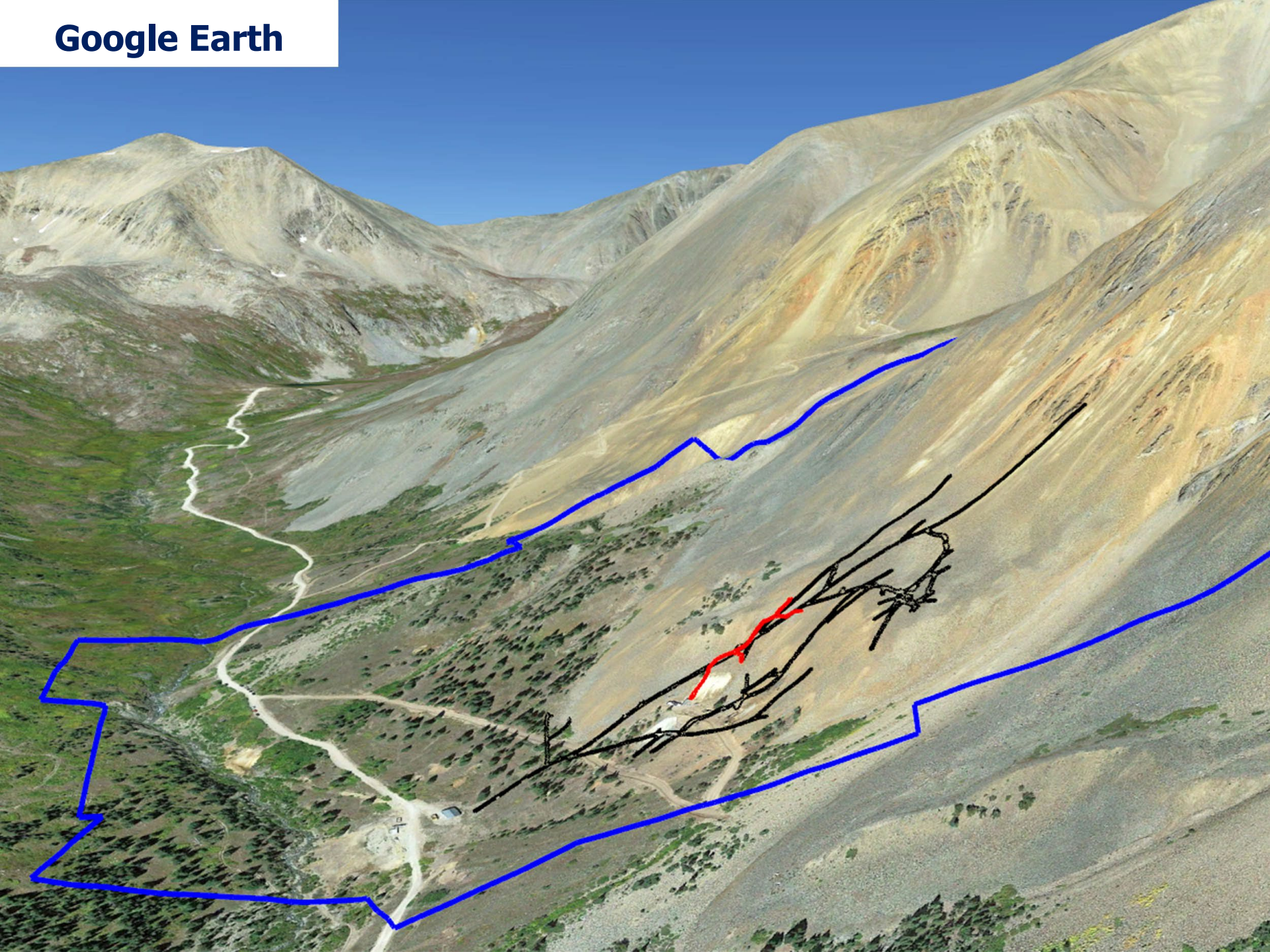










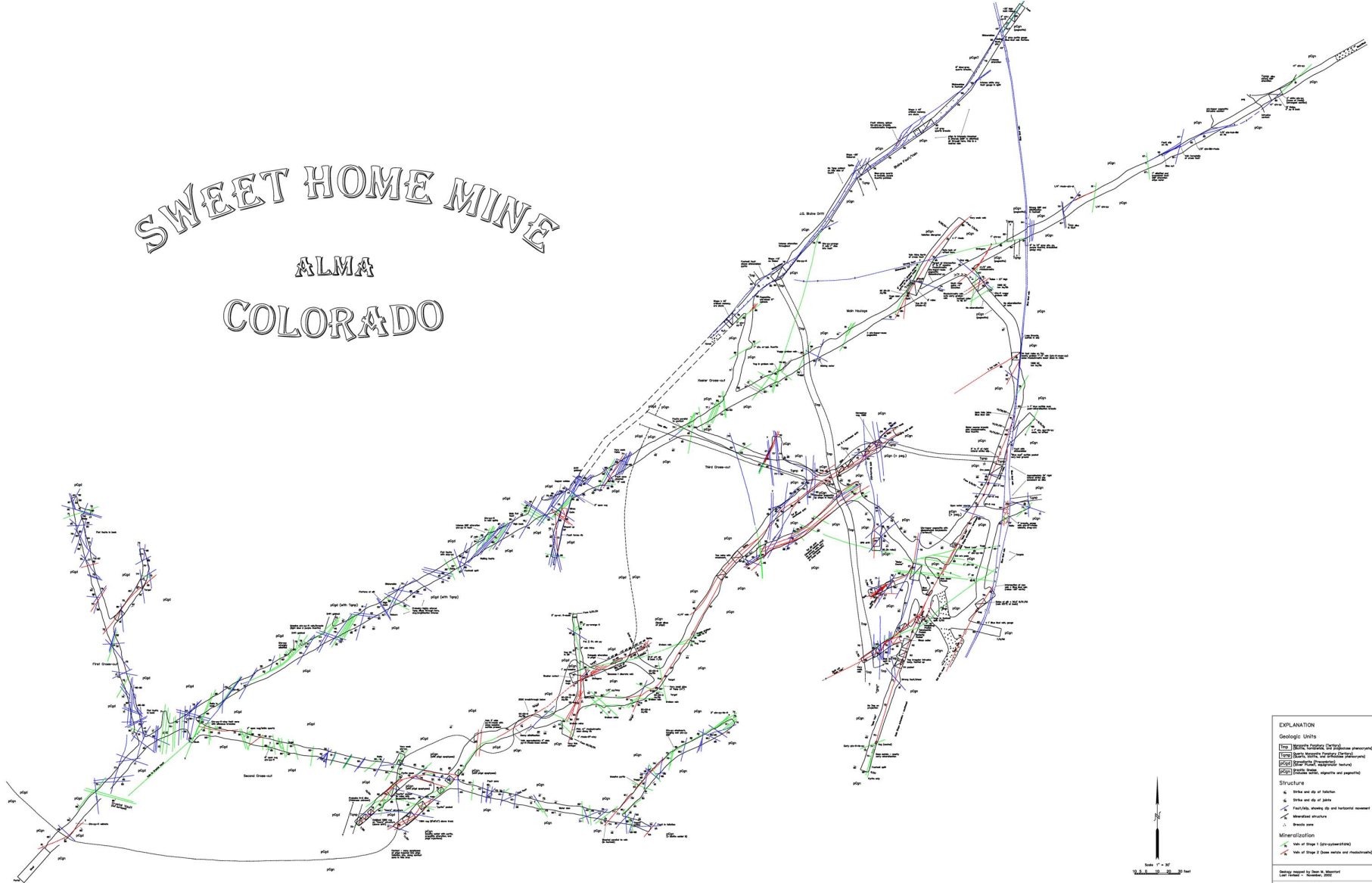




# SWEET HOME MINE

## ALMA

### COLORADO



**EXPLANATION**

**Geologic Units**

- [Symbol] [Color] [Unit Name]
- [Symbol] [Color] [Unit Name]
- [Symbol] [Color] [Unit Name]
- [Symbol] [Color] [Unit Name]
- [Symbol] [Color] [Unit Name]

**Structure**

- [Symbol] Strike and dip of foliation
- [Symbol] Strike and dip of joints
- [Symbol] Fault/vein, showing dip and horizontal movement
- [Symbol] Mineralization
- [Symbol] Breccia zone

**Mineralization**

- [Symbol] Vein of Stage 1 (Sulphide-bearing)
- [Symbol] Vein of Stage 2 (Sulphide-bearing)

Scale: 1" = 100'

Surveyed by: [Name]

Map prepared by: [Name]













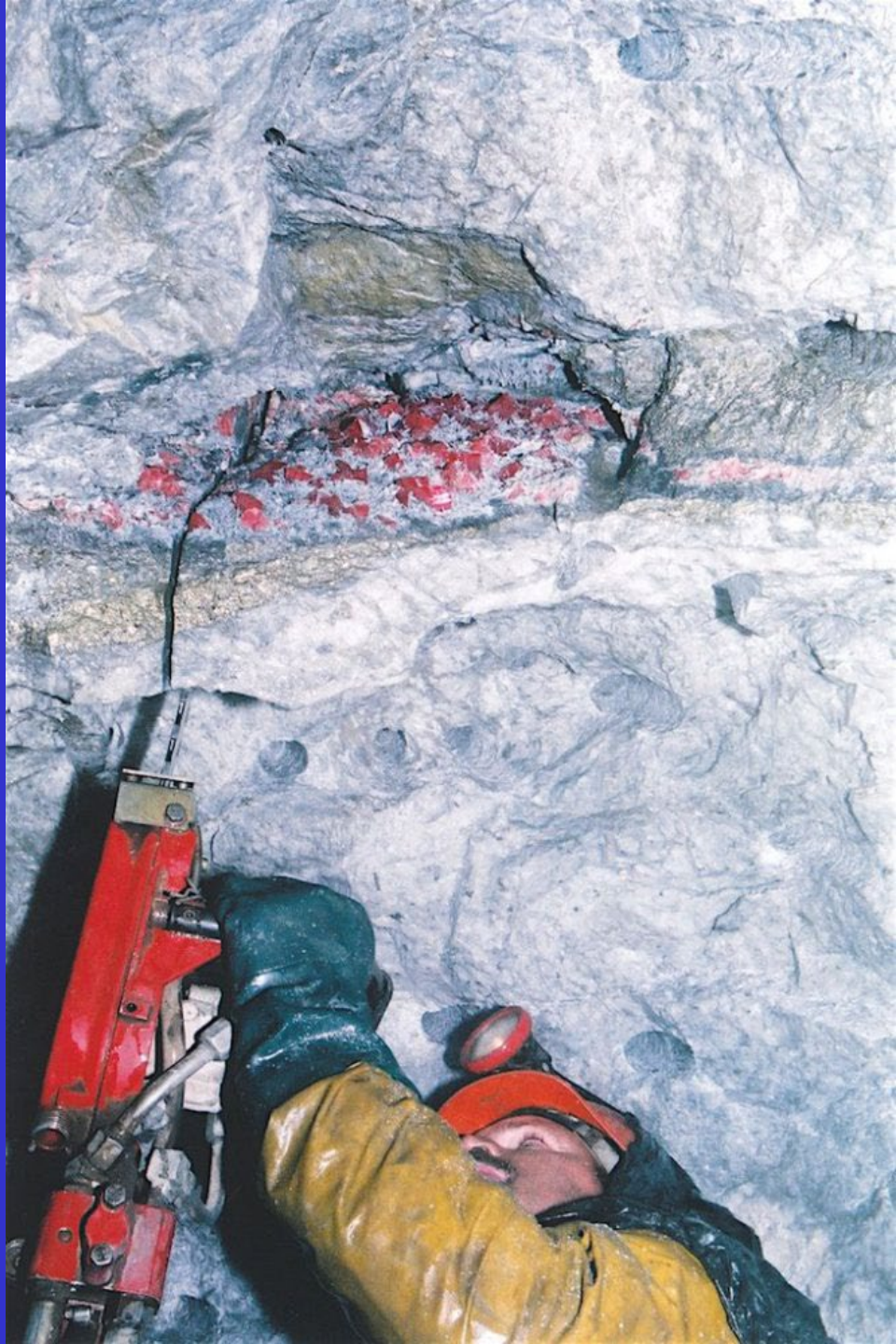


# Unnamed Rhodochrosite

Extracting Crystal  
Plate Using a  
Diamond-Impregnated  
Chainsaw

Nate's Pocket  
Sweet Home Mine  
Alma, Colorado

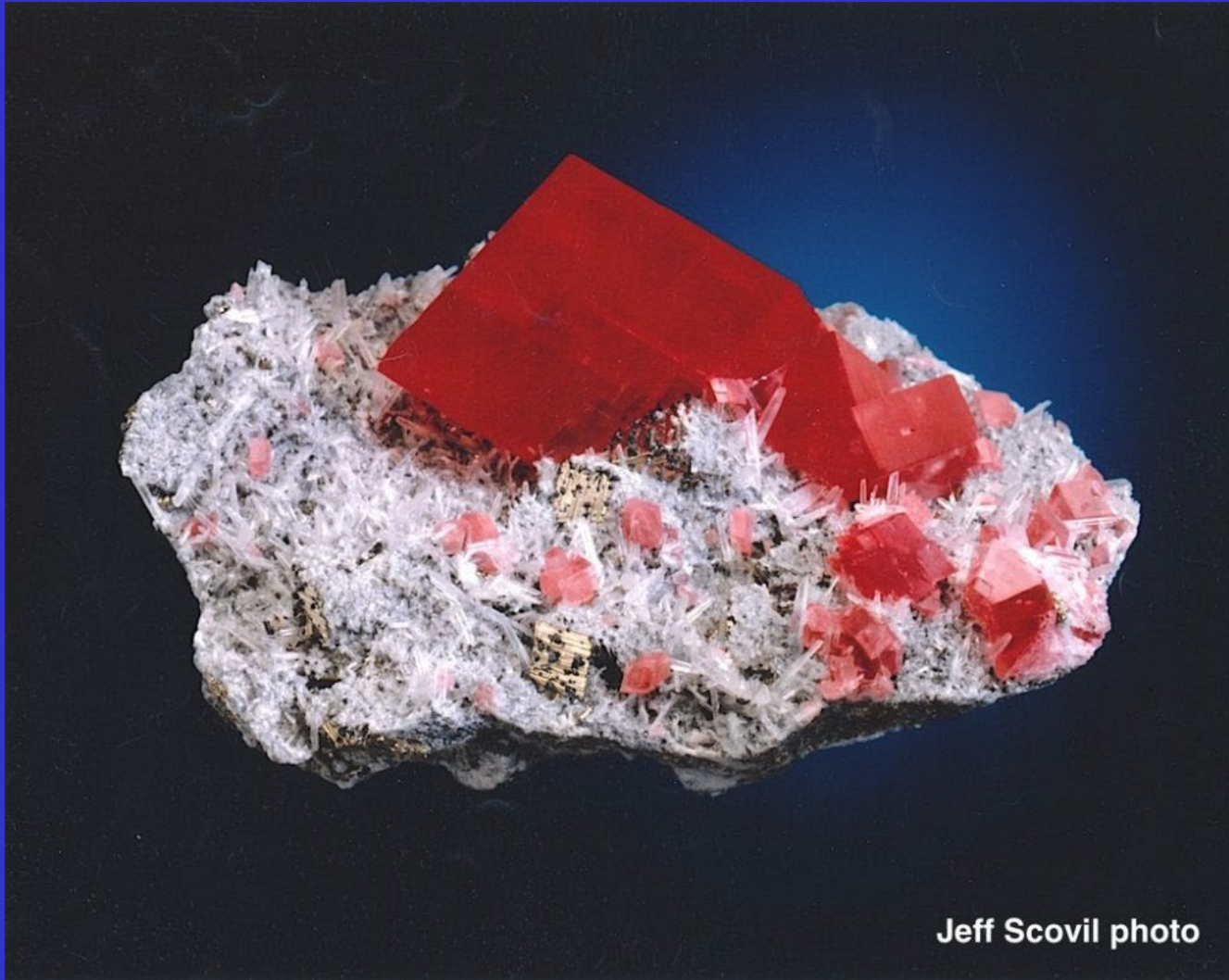
Photograph by  
Bryan Lees



# Unnamed Rhodochrosite

Rhodochrosite on Quartz and Pyrite

Nate's Pocket, Sweet Home Mine - Alma, Colorado



Jeff Scovil photo



Rhodochrosite with  
Needle Quartz and  
Sulfide Minerals  
(*in situ*)

Hedgehog Pocket  
Sweet Home Mine  
Alma, Colorado

Photograph by  
Bryan Lees





Rhodochrosite with  
Needle Quartz and  
Sulfide Minerals  
(After Extraction)

Hedgehog Pocket  
Sweet Home Mine  
Alma, Colorado

Photograph by  
Bryan Lees

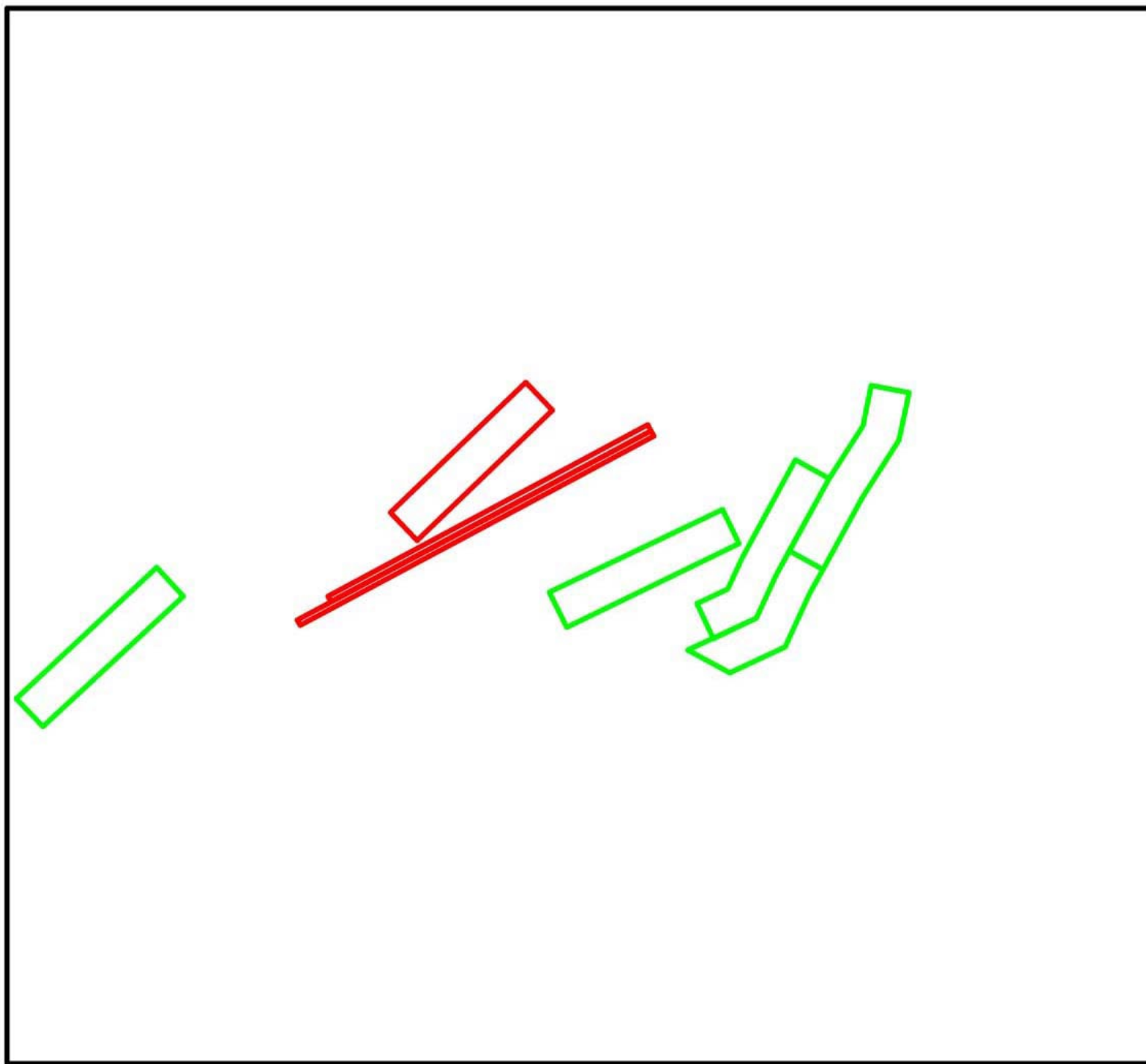


Original  
Mineral  
Surveys

Sweet Home  
Mining Group

Early Lode  
Claims

1873  
through  
1881

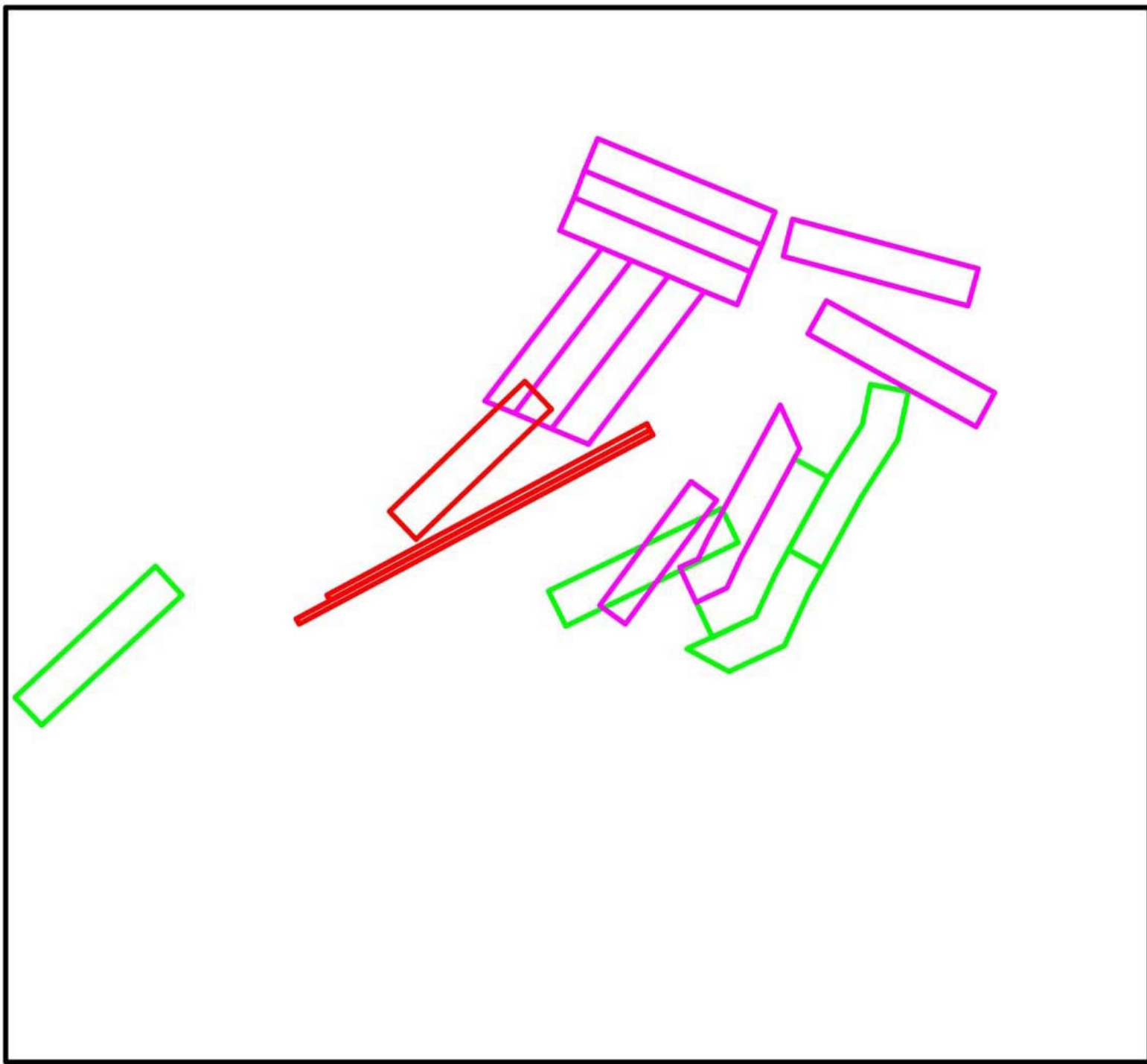


Original  
Mineral  
Surveys

Sweet Home  
Mining Group

John Evans  
Lode Claims

1882  
through  
1883

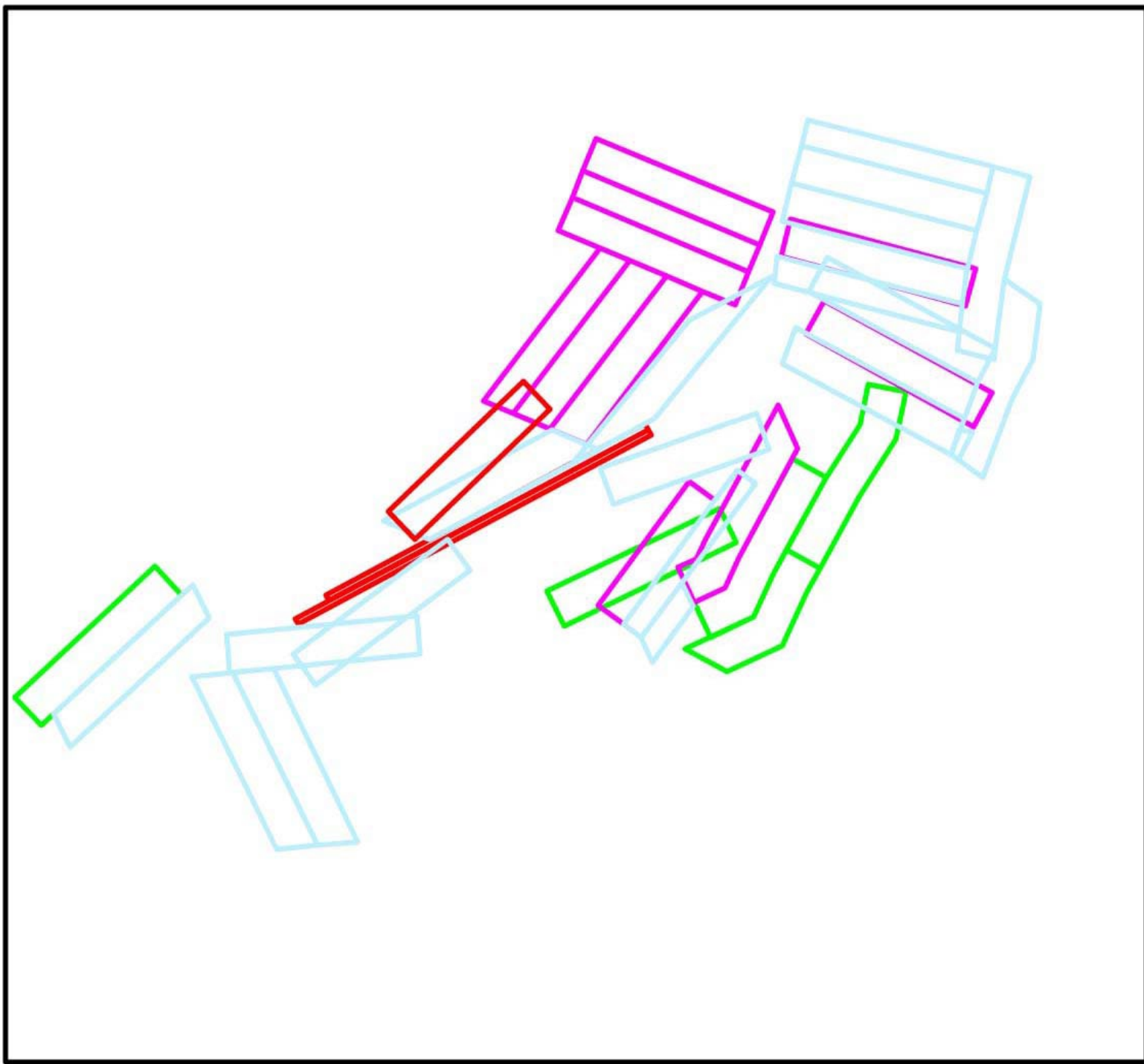


Original  
Mineral  
Surveys

Sweet Home  
Mining Group

W.H. Powless  
Lode Claims

1890  
through  
1905





# Gerald Galloway's Proposal to Edwin Spray to Survey Nine Lode Claims and One Mill Site

## A Mere \$830

March 31, 1932.

Mr. Edwin C. Spray  
2110 Market St.,  
Denver, Colo..

My dear Mr. Spray:-

Having been away from here for a few days will explain the delay in answering your letter of the 21st..

In patenting your claims at the Sweet Home Mine, I might suggest that you combine the Sweet Home Fraction with the Combination, and the Eagle with the Social Fund. This will make, instead of eleven claims, nine claims to patent,- a saving of about \$350.00 . The Mill Site should not go to patent until there are milling improvements upon that site, otherwise the application is sure to be refused.

The estimated maximum cost to patent the nine claims, which includes everything, is \$1805.00, as follows:-

Surveys, field and office,	\$830.00
Abstracts of title certified	
copies of recorded instruments,	25.00
Supervisor of surveys,	\$250.00
Advertising applications,	60.00
Filing fee Denver Land Office,	10.00
Attorney fees	105.00
Posting notices, witness fees,	
Notary Public fees and stamps,	15.00
Purchase price to Land office	
\$5.00 per acre, 102 ac.,	510.00
	<u>\$1805.00</u>

This figure should be less, but is difficult to arrive at exactly. Usually the survey costs \$55.00 a claim, and the intersections of claim line about \$5.00 an intersection for computations. And as you know the crossing of lines is quite considerable. However, I will do the very best I can for you Mr. Spray. I would ask \$400.00 down to cover fee to Supervisor of Surveys and my expenses and abstracts.

The first thing required would be an abstract of title. This showing everything clear, the next step would be to give yourself authority to make application, power of attorney. Then I would make the survey and have all claim line in perfect order, and next get an order for survey from the Government. The notes would go in for approval. Approval is usually three or four months after time of survey.



Surveys, field and office,	\$830.00
Abstracts of title certified copies of recorded instruments,	25.00
Supervisor of surveys,	\$250.00
Advertising applications,	60.00
Filing fee Denver Land Office,	10.00
Attorney fees	105.00
Posting notices, witness fees,	
Notary Public fees and stamps,	15.00
Purchase price to Land office \$5.00 per acre, 102 ac.,	510.00
	<hr/>
	\$1805.00



# Edwin Spray's Letter Accepting Mr. Galloway's Proposed Costs



DEPENDABLE SINCE 1904



210 MARKET ST.  
DENVER, COLORADO

April 27, 1932

Gerald F. Galloway,  
U. S. Deputy Mineral Surveyor,  
Alma, Park County, Colo.

Dear Mr. Galloway:

The information and recommendations with reference to patenting of the unpatented Sweet Home lode Claims, contained in your letter of March 31st, is appreciated.

I have thought the matter over a great deal, and altho I dislike to go to this additional expense, have decided after looking the matter over from the various angles that under the circumstances it is the sensible thing to do.

I appreciate your offer to do all that you can to keep the expense down and to extend the time of payment of your fee-- I will, however, be anxious to get it paid off as quickly as possible.

You will note from the records that the title to the Sweet Home property and equipment is now in my name-- your letter leads me to believe that you are under the impression that it is still a Company or a partnership.

Mr. Harry A. Davis, 407 University Building, Keystone 6051, Denver, is my attorney and I would prefer that he attend to any legal work in connection with the matter that might be necessary at this end of the line-- aside from that I would expect you to assume the responsibility and attend to the detail, including any legal work that can and should be done there by you. You need not hesitate to refer any of the legal work to Mr. Davis, as he is competent and very thorough. He has had many years and a wide range of experience, and I am sure you will find him most agreeable to work with.

The unpatented Sweet Home Claims are as follows:-

Sweet Home Fraction Combination	Wedge
Bluebird	Silent Friend
Daniel	Crackerjack
Kasel	Social Fund Eagle
Spray	Sweet Home Mill Site.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
OFFICE OF THE SUPERVISOR OF SURVEYS  
DENVER, COLORADO

September 29, 1932.

Mr. Gerald F. Galloway,  
U. S. Mineral Surveyor,  
Alma, Colorado.

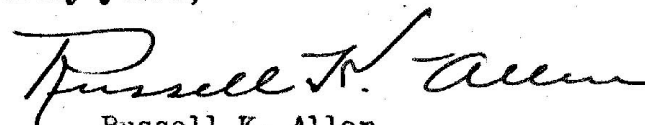
Dear Sir:

You are hereby directed to survey the claim of Edwin C. Spray, upon the Sweet Home Fraction, Blue Bird, Daniel, Spray, Kasel, Wedge, Silent Friend, Social Fund and Crackerjack lodes, and the Sweet Home mill site, in Buckskin and Consolidated Montgomery Mining Districts, Denver Land District, Park County, Colorado, fully described in the enclosed copies of additional and amended location certificates.

This survey will be designated as Mineral Survey No. 20504 A&B, and must be made in strict conformity with the existing laws and official rules and regulations thereunder.

Make prompt returns to this office.

Very truly yours,



Russell K. Allen  
Administrative Cadastral Engineer.

Enclosures  
JF



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
OFFICE OF THE SUPERVISOR OF SURVEYS  
DENVER, COLORADO

January 26, 1933.

Mr. Gerald F. Galloway,  
U. S. Mineral Surveyor,  
Alma, Colorado.

Dear Sir:

I enclose order for Mineral Survey No. 20507 embracing the locations eliminated from Survey No. 20504.

Your assistants' oath in Survey No. 20504 will be corrected in this office. A new assistants' affidavit will be required for the new survey, and if your assistant Kinney is not available the signature of one assistant will be sufficient. You should prepare new affidavit of your own, however, for Survey No. 20504.

In regard to Surveys Nos. 3103, 3105 and 3106, you should report that "Cor. 1 of Sur. No. 3106 was found standing and that the corners of the other surveys were fixed as approved in relation to this corner."

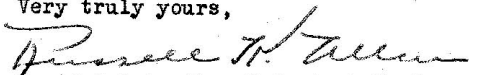
If the original position of Cor. 4 of Survey No. 766 can be determined, you should report that "the original corner stone was replaced in the mound of rocks where it originally stood."

Your explanation as to the old Enterprise tunnel is satisfactory and the marginal notation in the returned field notes should be ignored.

Owing to the uncertainty of the ties and relative positions in Survey No. 20504, the intersections and areas were not checked.

I hope you will be able to return these field notes in acceptable form.

Very truly yours,

  
Administrative Cadastral Engineer.

Enclosure  
JF



January 21st. 1933.

Mr. Russel K. Allen  
Administrative Cadastral Engineer  
Office of the Supervisor of Surveys  
Denver, Colorado.

My dear Sir:-

Your letter of January 18th. received with the field notes of Survey No. 20504.

I had the idea that these claims would be considered as one group because they are tied together in a group of common ownership. However, the claimant, no doubt, will make an amended application for survey as you suggest.

Cor. 1 of Sur. No. 3106 Colorado Springs lode was found fallen over but in a large mound of stones. So I took it as being the correct corner. And Cor. 4 of Sur. No. 766 J. G. Blaine had fallen off the edge of a cliff down onto a ledge six feet below. The original mound of stones remained fairly intact. So I placed the corner stone back in the mound of stones. However I will report more fully, - only I don't want to get too tedious.

The old Enterprise tunnel caved in and a new tunnel was started just above it. The newly broken rock was filled into the old tunnel. The portal is still visible a little to one side and below the new tunnel.

Thank you so much for your helpful criticisms.

In the new arrangement of surveys, will you require new final oaths to be made for Sur. No. 20504? The one helper Kinney has left the country.

Very truly yours,



DEPARTMENT OF THE INTERIOR,  
OFFICE OF U. S. SURVEYOR GENERAL,  
Supervisor of Surveys  
Denver, Colorado

(Place.)

AUG 12 1933

(Date.)

SECRET

Mr. G. F. Galloway

U. S. Mineral Surveyor,

Alma, Colorado

Sir:

You are hereby informed that the usual official plats and  
transcripts of Mineral Survey No.

20504, Sweet Home Fraction et al lodes

20507 A&B, Blue Bird et al lodes and a mill site

have this day been approved and transmitted to claimant's attorney  
and to the local land office at Denver.

Very respectfully,

RUSSELL K. ALLEN

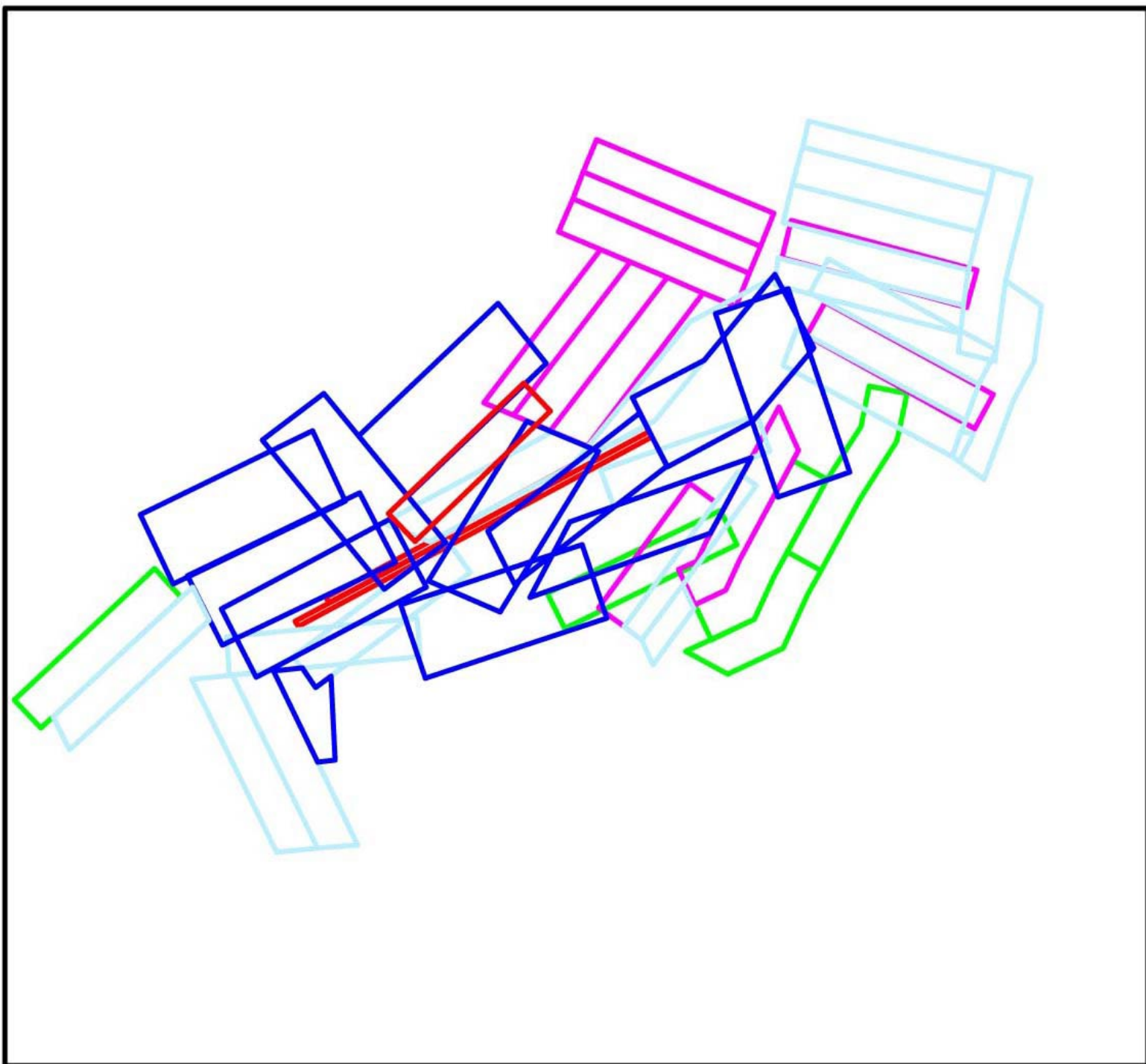
~~U. S. Surveyor General~~  
Administrative Cadastral Engineer.

Original  
Mineral  
Surveys

Sweet Home  
Mining Group

Galloway  
Lode Claims  
and Mill Site

1932  
and  
1938



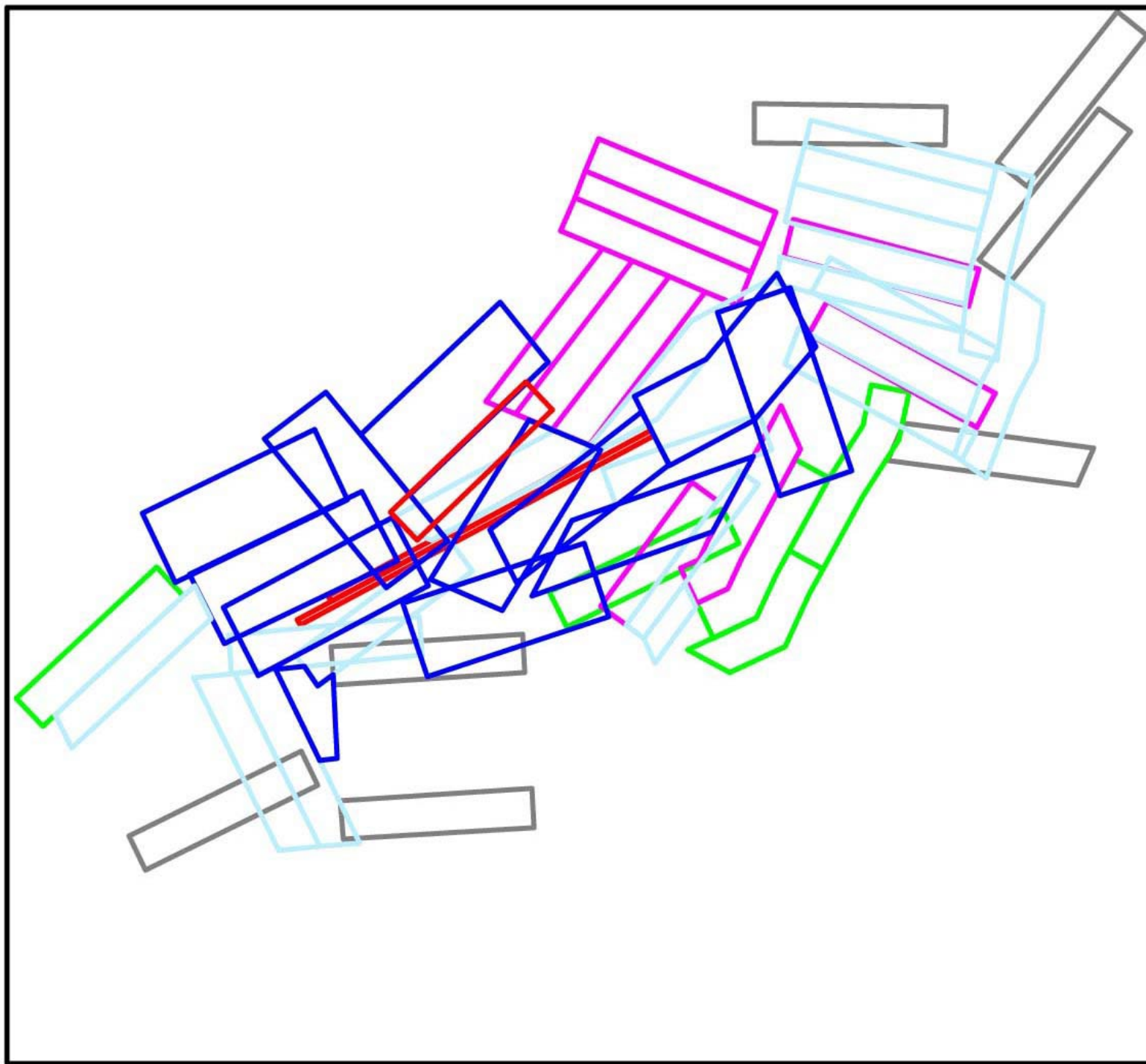


Original  
Mineral  
Surveys

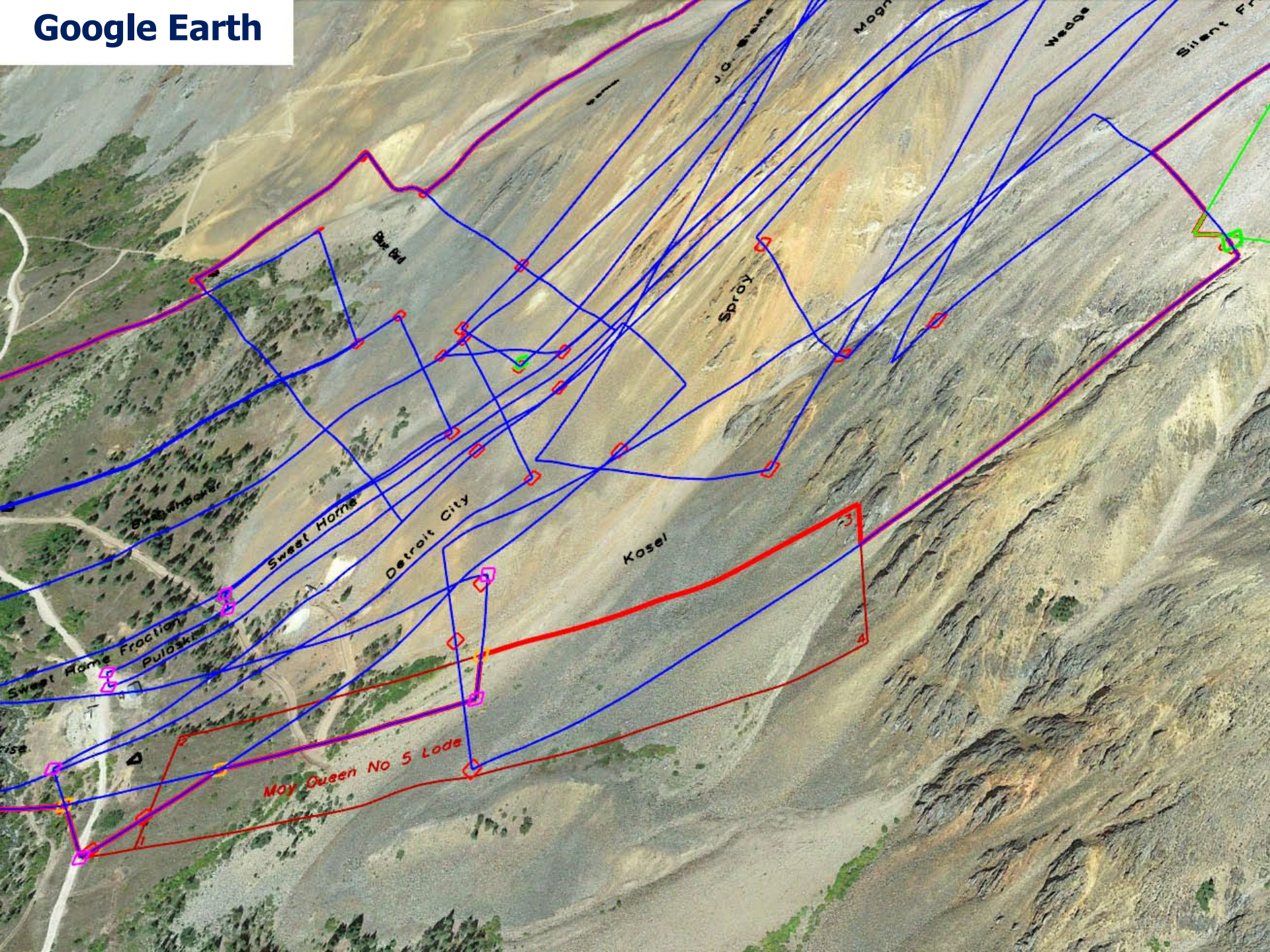
Sweet Home  
Mining Group

Unsurveyed  
Lode Claims

Various Dates







Big Flat

Sprøy

Sweet Home

Detroit City

Kosel

May Queen No 5 Lode

Sweet Home Fraction  
Pulaski

J.G. Evans

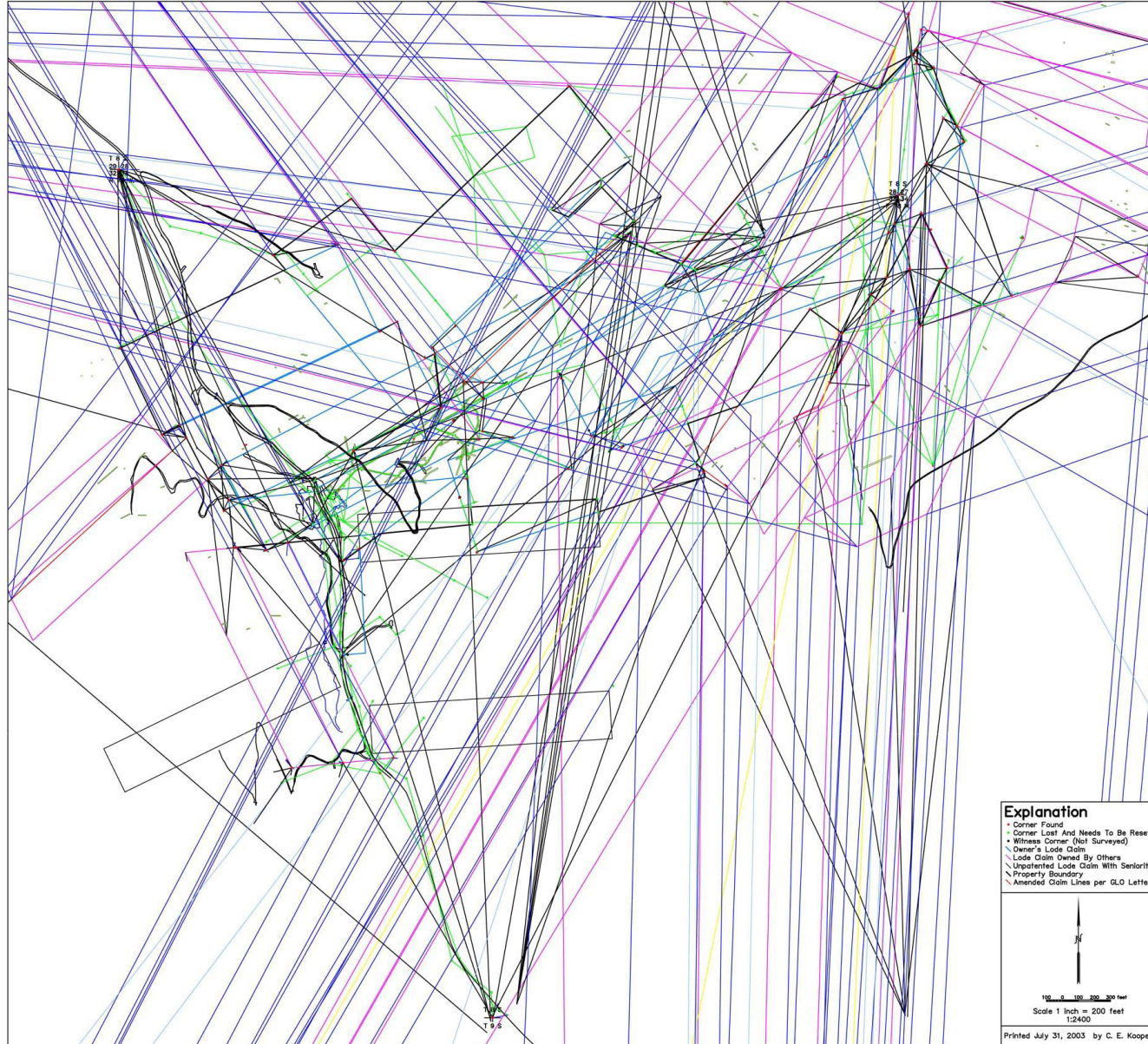
Magn

Wedge

Silent Fr



# SURVEY DATA FROM ORIGINAL MINERAL SURVEY FIELD NOTES



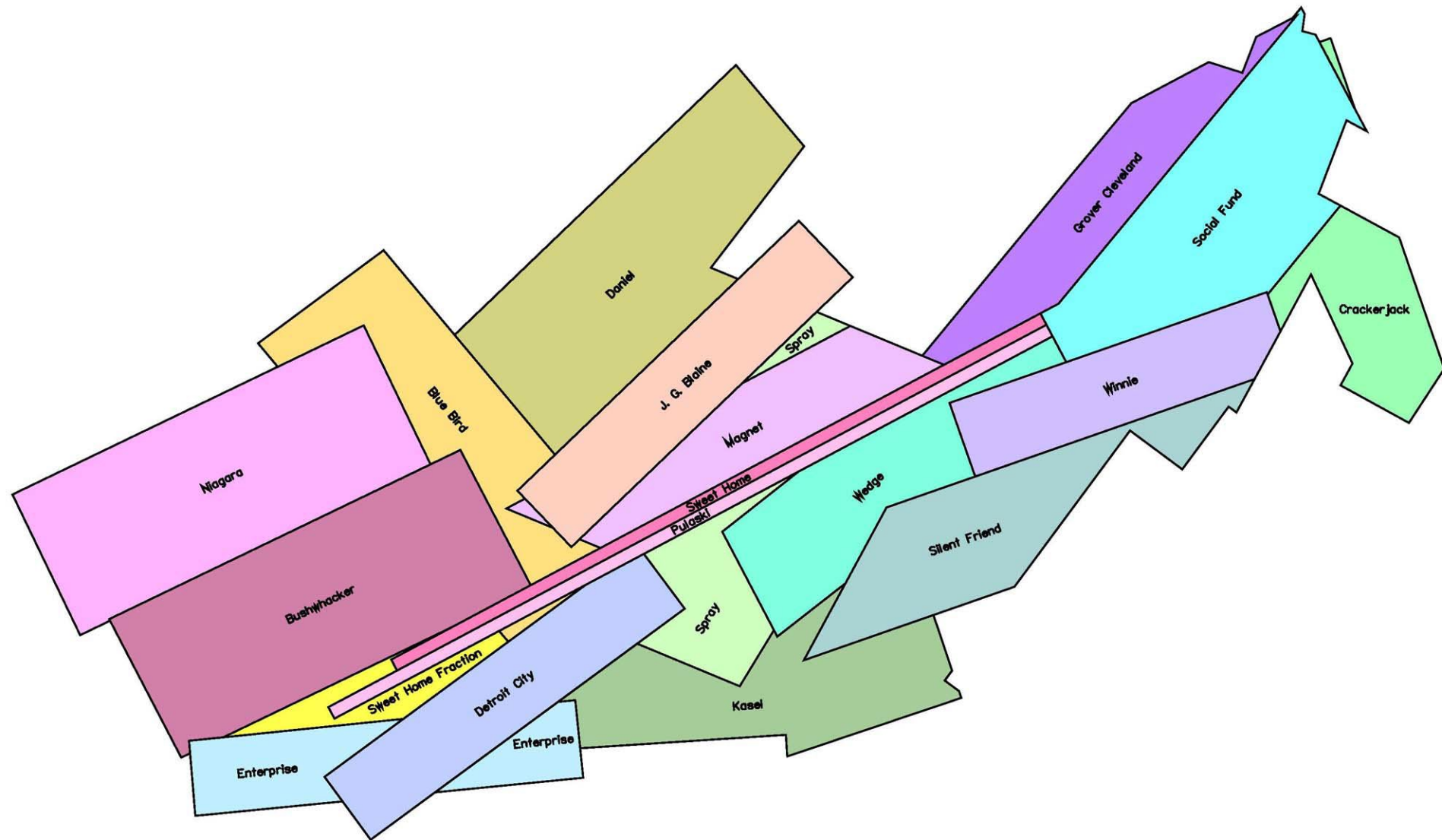
**Explanation**

- Corner Found
- Corner Lost And Needs To Be Reset
- Witness Corner (Not Surveyed)
- Owner's Lode Claim
- Lode Claim Owned By Others
- Unpatented Lode Claim With Seniority
- Property Boundary
- Amended Claim Lines per O.L.O. Letters

100 500 200 300 feet  
Scale 1 Inch = 200 Feet  
1:2400

Printed July 31, 2003 by C. E. Kooper

# Sweet Home Mining Group Containing Nineteen Lode Claims





Survey Traverse  
Lines Run in 1932  
by Gerald F.  
Galloway, USMS  
for Mineral Survey  
Nos. 20504 and  
20507 A&B





Solar Observation  
for July 20, 1932  
by Gerald F.  
Galloway

Survey for E.C. Spray July 20<sup>th</sup> 1932

Lat 5 Solar July ~~19~~ 20, 1932  
Sight on 4

Foresight

Vernier

Needle

V.A.

H.A.

0°0'

S 12°50' E

49°13'

62°51' Lt.

49°28'

62°33' ✓

49°45'

62°14'

0°0'

S 12°35' E

50°41'

60°33' Lt.

~~50°52'~~

60°20' ✓

~~50°15'~~

59 51

Computed bearing  
S 13°15' E ✓

Var 13°41' E



# Calculation Sheet for

# Solar Observation for July 20, 1932 by Gerald F. Galloway

July 20 1932 93 39-18.68

Solar Computations

39-18.68
39-18.68

Declination	20° 24.9'	0.47' in	
D =	20° 24.9'	0.47'	
L =	39° 12.48'	2.11'	

A <sub>1</sub> 49° 10'	A <sub>2</sub> 49° 28'	A <sub>3</sub> 49° 45'	
49° 12.3'	49° 27.3'	49° 44.3'	
49° 12' 18" ✓	49° 27' 20" ✓	49° 44' 18" ✓	

A <sub>4</sub> 49° 50' 41"	A <sub>5</sub> 50° 51' 52"	A <sub>6</sub> 51° 14' 10"	
50° 40.3'	50° 51.3'	51° 14.3'	
50° 40' 18" ✓	50° 51' 18" ✓	51° 14' 18" ✓	

$\cos A = \frac{\cos D}{\cos L} - \tan A \tan L$

①  $9.5482417$  ✓

9.5482417	9.9320328		
9.6897205	0.0699855		
9.6897205	0.0699855		
+ 9.8497023	- 9.9771823		
9.8497023			

on Z<sub>1</sub> 14° 21' 22"

②  $9.5482417$  ✓

9.5482417	9.9320328		
0.1870522	0.0699855		
9.4427772	9.9771823		
+ 9.702016			
- 9.79207			
9.702016			

on Z<sub>2</sub> 14° 21' 30"

③  $9.5482417$  ✓

9.5482417	9.9320328		
0.1870522	0.0699855		
9.4427772	9.9771823		
+ 9.702016			
- 9.79207			
9.702016			

on Z<sub>3</sub> 14° 21' 30"

④  $9.5482417$  ✓

9.5482417	9.9320328		
0.1870522	0.0699855		
9.4427772	9.9771823		
+ 9.702016			
- 9.79207			
9.702016			

on Z<sub>4</sub> 14° 21' 30"

⑤  $9.5482417$  ✓

9.5482417	9.9320328		
0.1870522	0.0699855		
9.4427772	9.9771823		
+ 9.702016			
- 9.79207			
9.702016			

on Z<sub>5</sub> 14° 21' 30"

⑥  $9.5482417$  ✓

9.5482417	9.9320328		
0.1870522	0.0699855		
9.4427772	9.9771823		
+ 9.702016			
- 9.79207			
9.702016			

on Z<sub>6</sub> 14° 21' 30"

59 59 60

16° 10' 46"

73 49 14

60 33

13 16 14

12° 41' 34"

12 49 32

12 41 33

12° 41' 34"

12 42 30

12 41 32

12 5 36

12° 41' 52" ✓

13 16 11

12 58 03

12° 59'

186

\*18

+38"

-21

89 59 60

16° 24' 08"

73 35 52

60 20

13 15 52

13 16 14 +3

13 15 52 -11

13 16 28 +17

OK ✓

13 48 34 ✓

42 41 33

26 30 07

13° 15' ✓

89 59 60

16° 52' 32"

73 09 28

59 51

13 16 28

Take ✓



~~72~~  
1/2288

492.75 91° 6 L

470.20

~~6° 56~~

~~N 7° 1' E~~  
~~N 9° 13' E~~  
N 7° 33' E

17° 24

73

T73 X

461.23 0° 51 L  
481.23

X 454.59 474.23

~~N 6° 10' E.~~

~~N 8° 22' E~~

N 6° 42' E

6° 5'

9° 43 up

74

T74

69.45 9° 38 R

69.34

N 16° 20' E.

N 16 B

~~15° 48'~~

~~N 18° 00' E~~

N 13° 43 E

3° 8 up

3/1643  
Miami

127.2 ~~12° 40~~ L

8° 36 L

N 2 1/2 W

12° 40 up

3/778

124.09

~~N 2° 26' W~~

N 1° 54' W - N 1° 54' W

392.95 10° 47 L

377.53

N 5 W

16° 5 up

3/3107

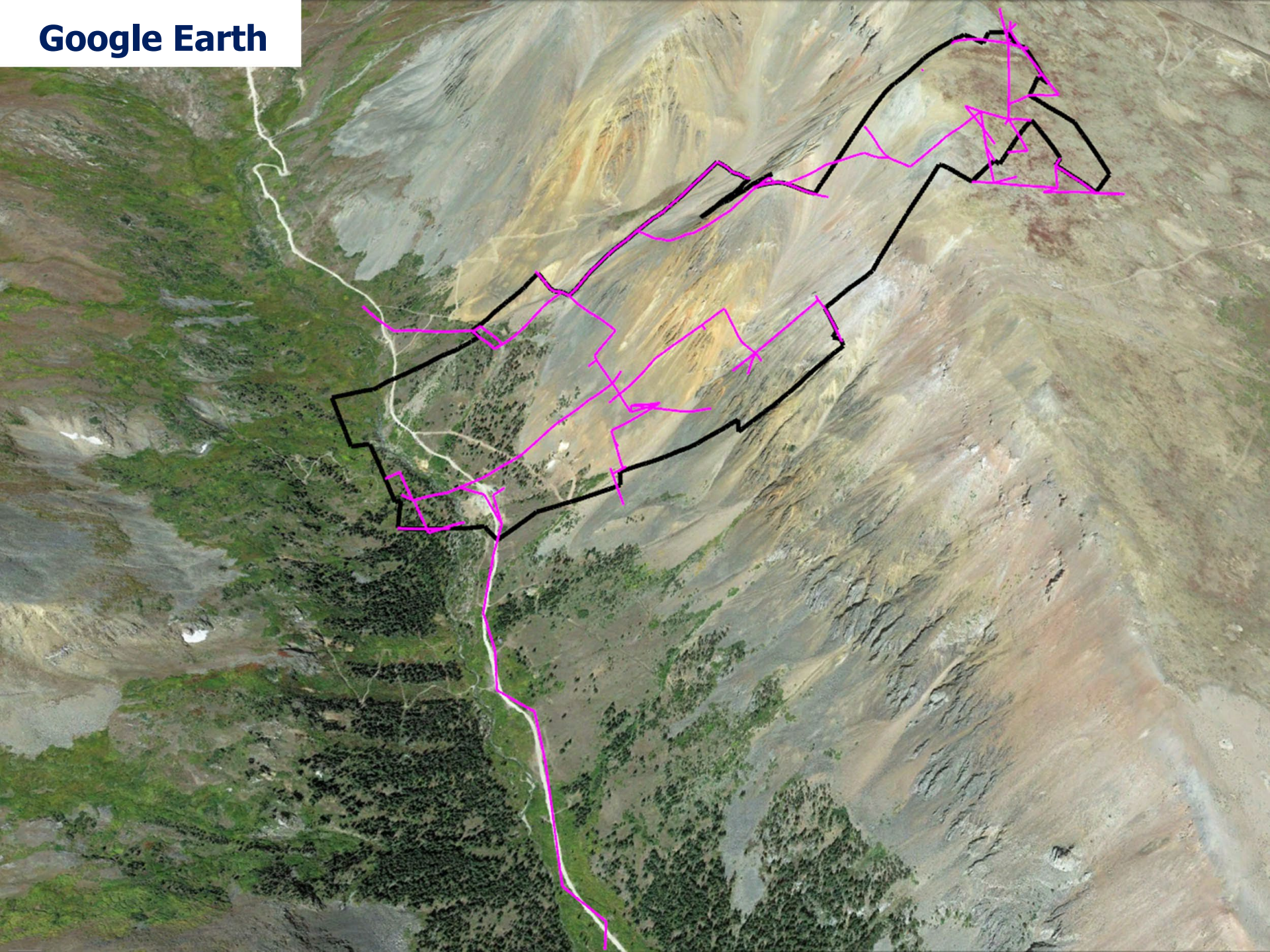
~~N 4° 37' W.~~

N 4° 42' W.

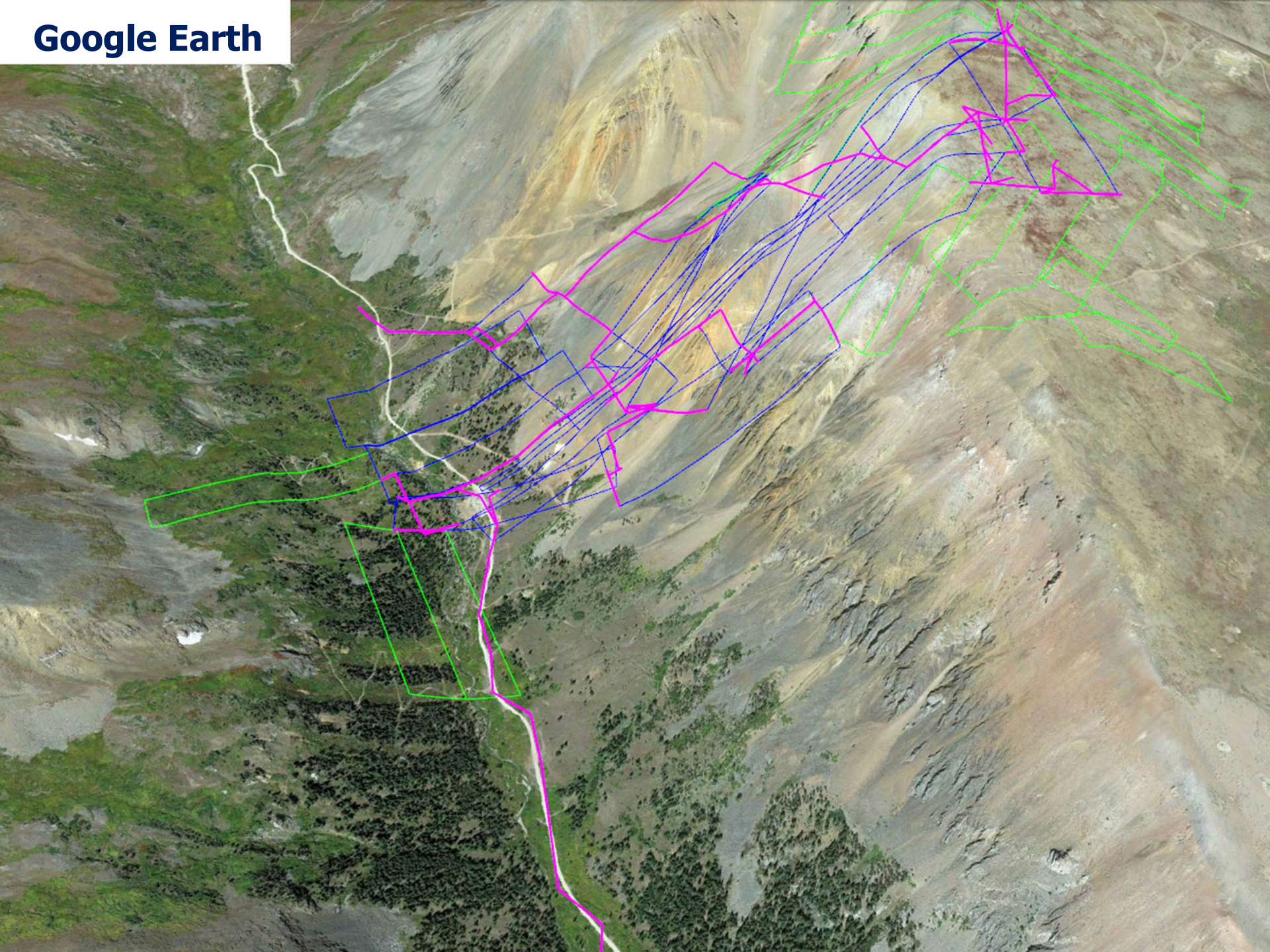
4/9108

Out

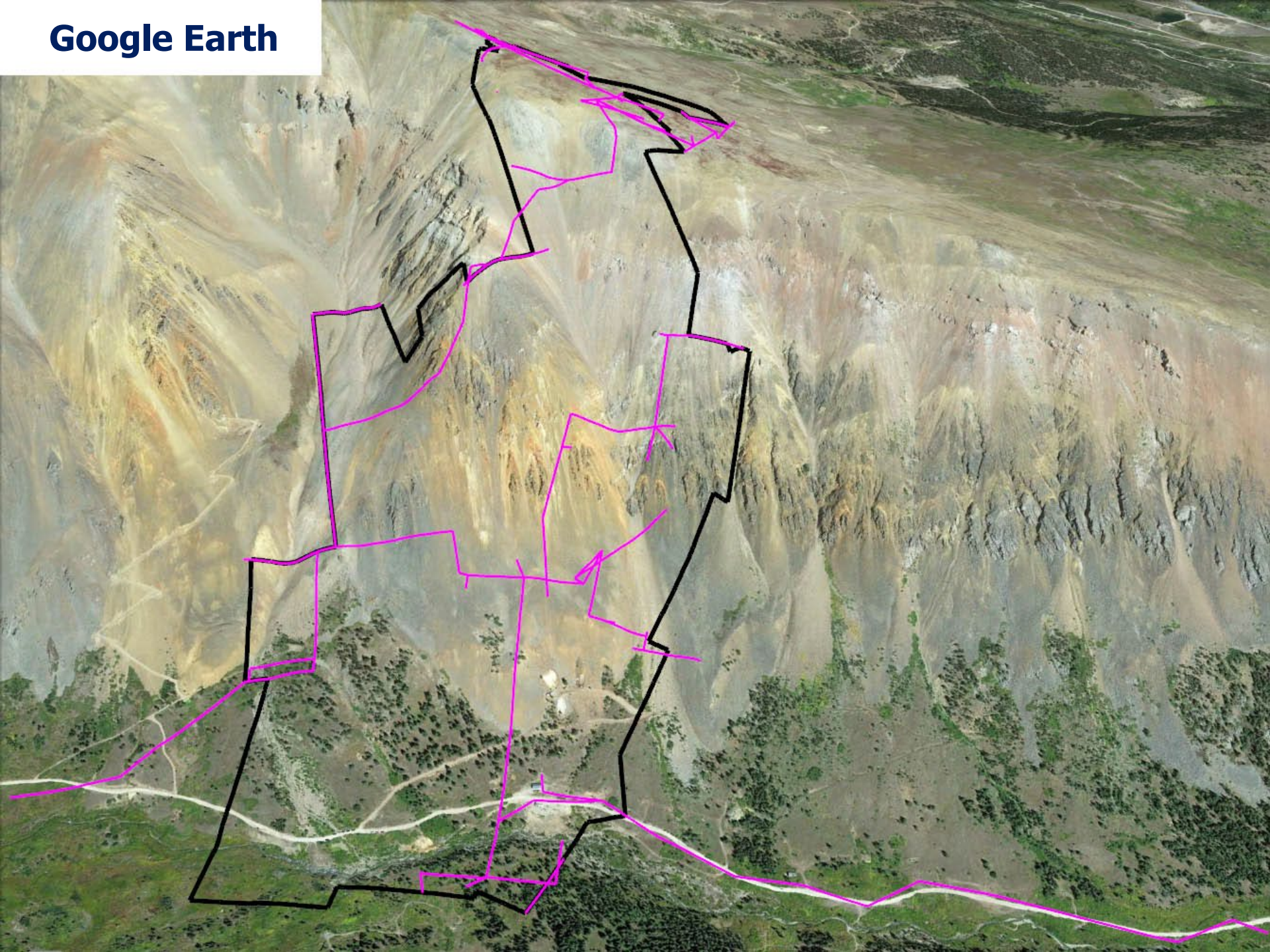




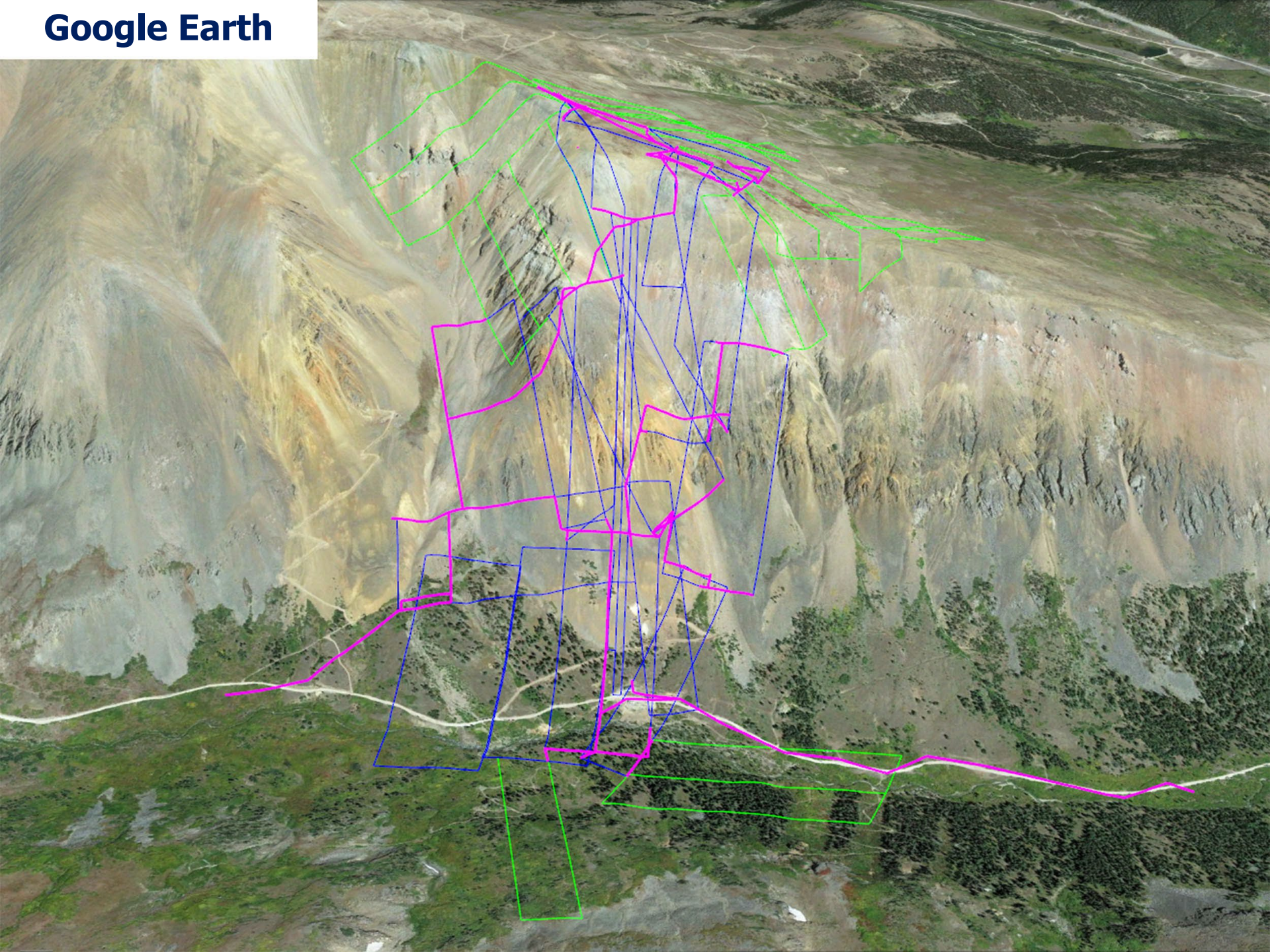






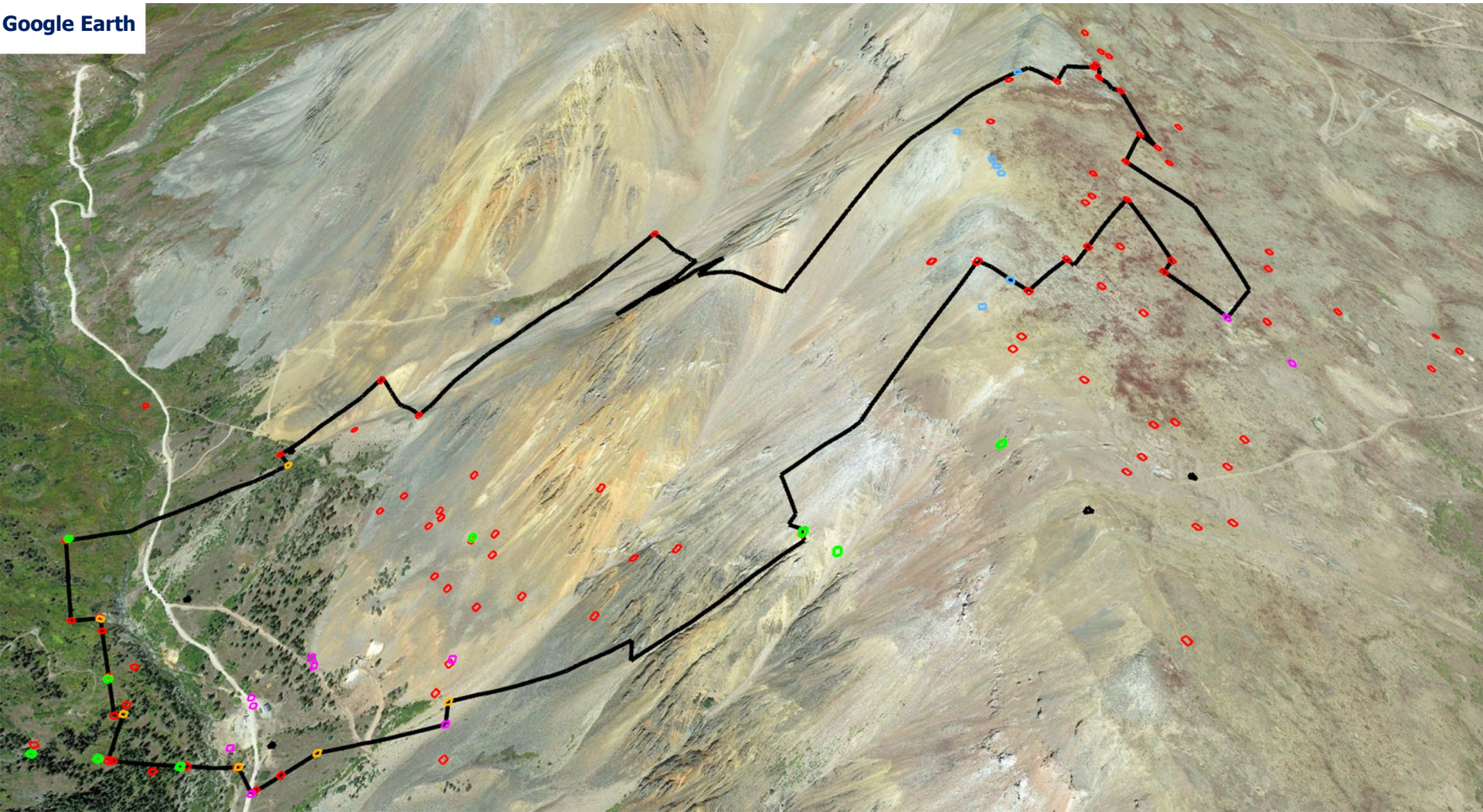








# Original Mineral Survey Corners and Accessories and Monuments Set for the Nineteen Lode Mining Claims Comprising the Sweet Home Mining Group





# Unnamed Rhodochrosite

Fluorite on  
Rhodochrosite  
(4.1 cm high)

Murphy's Pocket  
Sweet Home Mine  
Alma, Colorado

Photograph by  
Jeff Scovil



Jeff Scovil photo



**Example of a  
discrepancy in the  
official record**

**Marginal notations  
in red ink on plats  
of prior official  
surveys**

INSTRUCTIONS

TO

U. S. Deputy Mineral Surveyors,

FOR THE

District of Colorado,

MAY 1, 1886.



# FIRST INSTRUCTIONS (1886, CO) SPECIFYING A SEPARATE REPORT

— 14 —

(*f*) The use or adaptability of the claim for placer mining, and whether water has been brought upon it in sufficient quantity to mine the same, or whether it can be procured for that purpose.

(*g*) What works or expenditures have been made by the claimant or his grantors for the development of the claim, and their situation and location with respect to the same as applied for.

(*h*) The true situation of all mines, salt licks, salt springs, and mill seats, which come to your knowledge, or report that none exist on the claim, as the facts may warrant.

(*i*) Said report must be made under oath, and duly corroborated by one or more disinterested persons.

44. Descriptive reports upon placer claims taken by legal subdivisions are authorized only by special order, and must contain a description of the claim in addition to the foregoing requirements.

## PRELIMINARY PLAT.

45. You will file with your field notes a preliminary plat on drawing paper or tracing muslin, protracted on a scale of two hundred feet to an inch, on which you will note accurately all the topographical features and details of the survey in conformity with the specimen plat herewith. Pencil sketches will not be accepted.

## REPORT.

46. You will also submit with your return of survey a report upon the following matters incident to the survey, but not required to be embraced in the field notes.

47. If the meridian from which your courses were deflected was established by other means than by the solar apparatus attached to your transit, you will state in detail your observations and calculations for the establishment of such meridian.

48. If any of the lines of the survey were determined by triangulation or traverse, you will give in full detail the calculations whereby you arrived at the results reported in your

— 15 —

field notes. You will also submit your calculations of areas of placer and mill-site claims or other irregular tracts.

49. You will mention in your report the discovery of any material errors in prior official surveys, giving the extent of the same.

## ERRORS.

50. Whenever a survey has been reported in error, the deputy surveyor who made it will be required to promptly make a thorough examination, upon the premises, and report the result under oath to this office. In case he finds his survey in error, he will report in detail all discrepancies with the original survey, and submit any explanation he may have to offer as to the cause. If, on the contrary, he should report his survey correct, a joint survey will be ordered to settle the differences with the surveyor who reported the error.

## JOINT SURVEY.

51. A joint survey must be made within ten days after the date of order, unless satisfactory reasons are submitted, under oath, for a postponement.

52. The field work must in every sense of the term be a *joint* and not a separate survey, and the observations and measurements taken with the same instrument and chain, previously tested and agreed upon.

53. The deputy surveyor found in error, or if both are in error, the one who reported the same will make out the field notes of the joint survey, which, after being duly signed and sworn to by both parties, must be transmitted to this office.

54. The surveyor found in error will be required to pay all expenses of the joint survey and preliminary examinations incident thereto, including ten dollars per day to the surveyor whose work is proved to be substantially correct.

55. Your field work must be accurately and properly performed, and your returns made in conformity with the foregoing instructions. Errors in the survey must be corrected at your own expense, and if the time required in the examination of your returns is increased by reason of your neglect or



field notes. You will also submit your calculations of areas of placer and mill-site claims or other irregular tracts.

49. You will mention in your report the discovery of any material errors in prior official surveys, giving the extent of the same.

#### **ERRORS.**

50. Whenever a survey has been reported in error, the deputy surveyor who made it will be required to promptly make a thorough examination, upon the premises, and report the result under oath to this office. In case he finds his survey in error, he will report in detail all discrepancies with the original survey, and submit any explanation he may have to offer as to the cause. If, on the contrary, he should report his survey correct, a joint survey will be ordered to settle the differences with the surveyor who reported the error.



## JOINT SURVEY.

51. A joint survey must be made within ten days after the date of order, unless satisfactory reasons are submitted, under oath, for a postponement.

52. The field work must in every sense of the term be a *joint* and not a separate survey, and the observations and measurements taken with the same instrument and chain, previously tested and agreed upon.

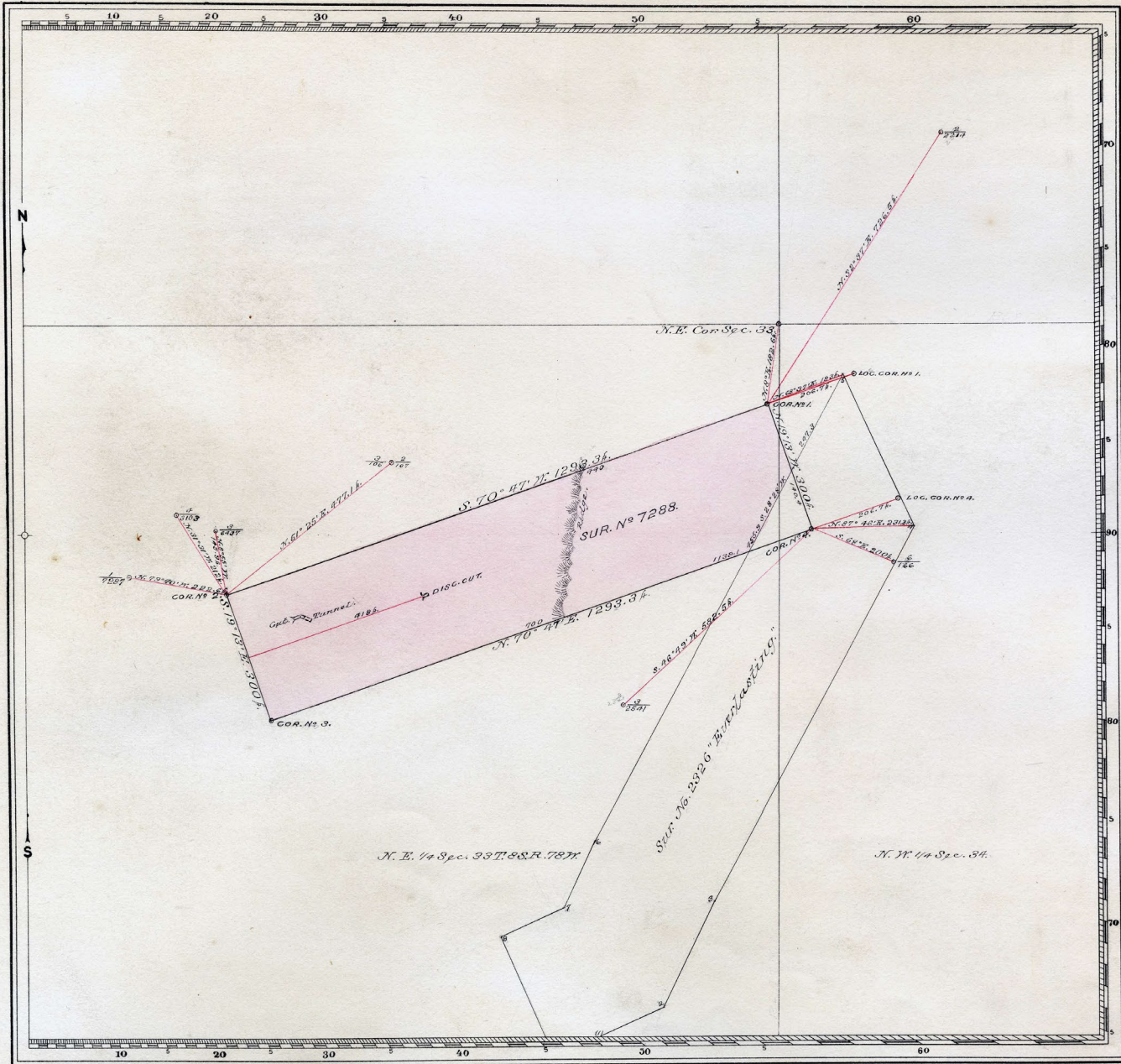
53. The deputy surveyor found in error, or if both are in error, the one who reported the same will make out the field notes of the joint survey, which, after being duly signed and sworn to by both parties, must be transmitted to this office.

54. The surveyor found in error will be required to pay all expenses of the joint survey and preliminary examinations incident thereto, including ten dollars per day to the surveyor whose work is proved to be substantially correct.









Date of Amended Location Certificate  
November 19<sup>th</sup> 1891.

Mineral Survey N° 7288.

Lot N°  
LEADVILLE Land District.

**PLAT**  
OF THE CLAIM OF  
*Martin Callagher*

KNOWN AS THE  
WINNIE LODE.

IN CONSOLIDATED MONTROSE & BUCKSKIN MINING DISTRICTS,  
PARK COUNTY, COLORADO.

Containing an Area of 3.658 Acres.  
Scale of 200 feet to the inch.  
Variation 13° 10' East.

SURVEYED January 19<sup>th</sup> 1892 BY  
T. H. Porless  
U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of  
*Martin Callagher*  
known as the Winnie Lode.

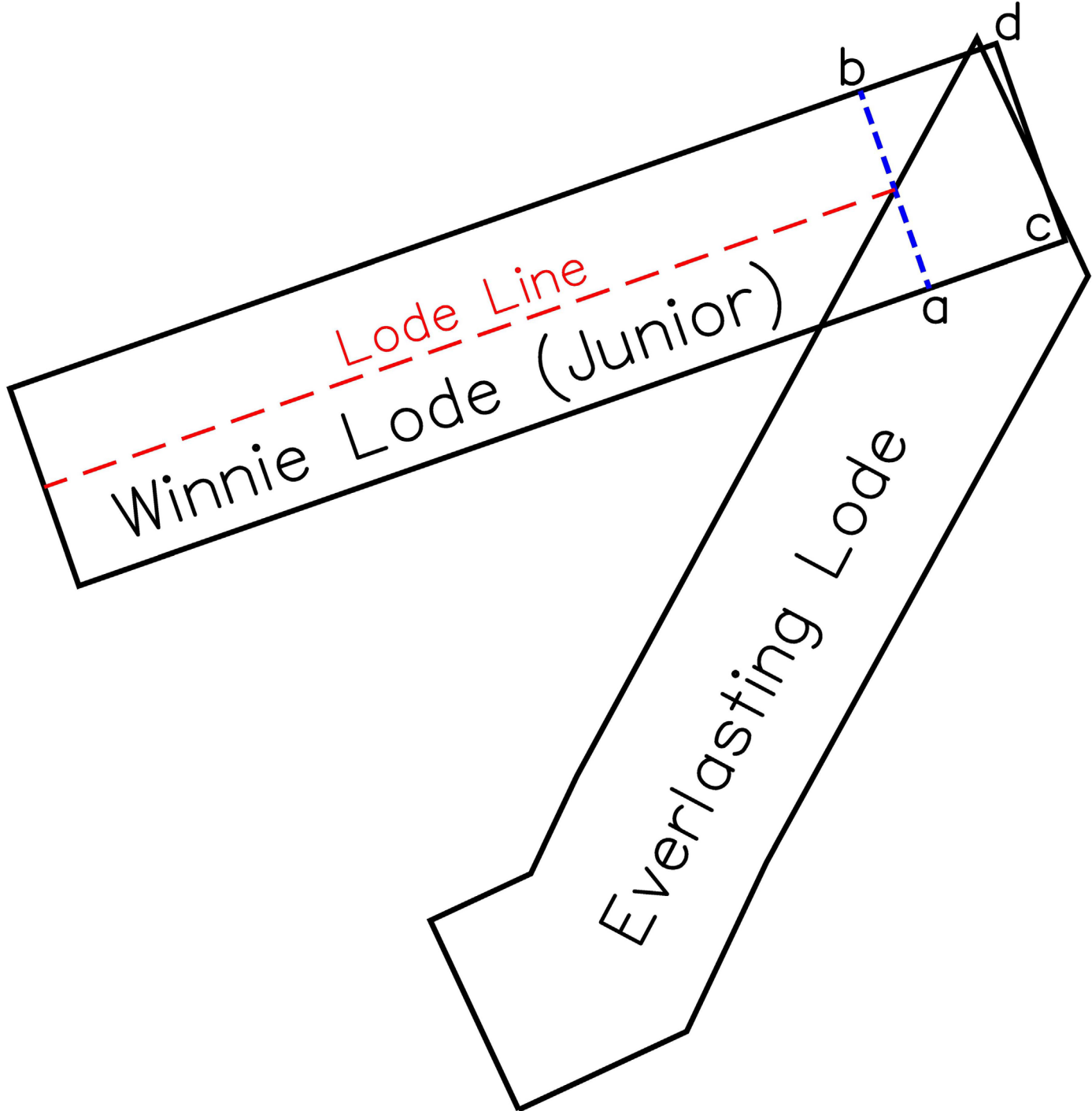
from which this plat has been made under my direction, have been examined and approved, and are on file in this office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.  
I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or grantors, and that said improvements consist of

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

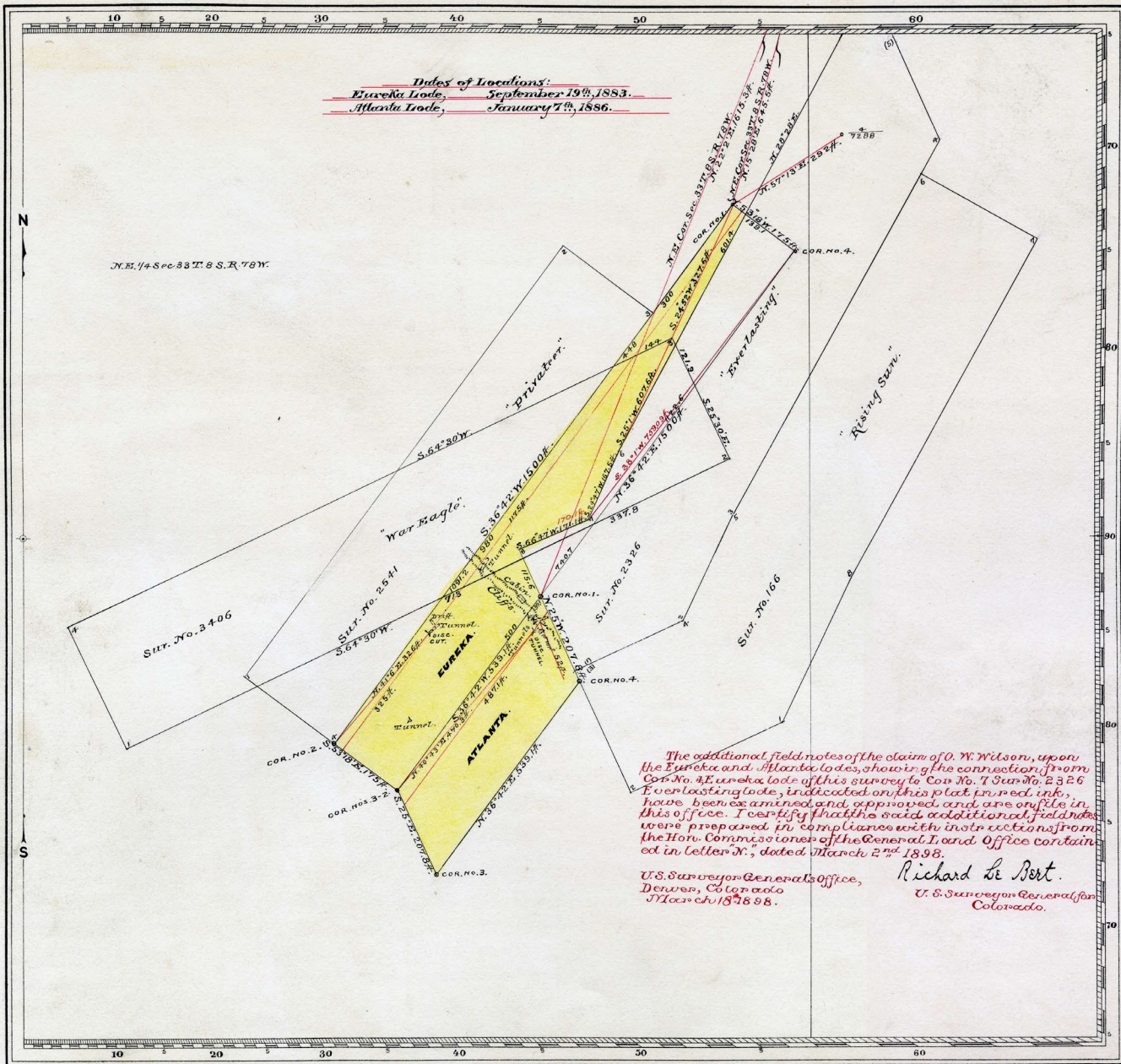
And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

T.S. Surveyor General's Office. *E. Humphrey*  
Denver Colorado. } T.S. Surveyor General for  
March 2nd, 1892 } Colorado.









Dates of Locations:  
Eureka Lode, September 19<sup>th</sup>, 1883.  
Atlanta Lode, January 7<sup>th</sup>, 1886.

N.E. 1/4 Sec. 33 T. 8 S. R. 70 W.

The additional field notes of the claim of O. W. Wilson, upon the Eureka and Atlanta lodes, showing the connection from Cor. No. 4 Eureka lode of this survey to Cor. No. 1 Deer No. 2326 Everlasting lode; indicated on this plat for prospect info, have been examined and approved and are on file in this office. I certify that the said additional field notes were prepared in compliance with instructions from the Hon. Commissioner of the General Land Office contained in letter N., dated March 2<sup>nd</sup> 1898.

U.S. Surveyor General's Office,  
 Denver, Colorado  
 March 1898.

Richard Le Bert.  
 U. S. Surveyor General for  
 Colorado.

Red & Co. Aug 10th 1897.

Claim Located \_\_\_\_\_

Mineral Survey No. 12063.

Lot No. \_\_\_\_\_

Leadville \_\_\_\_\_ Land District \_\_\_\_\_

**PLAT**  
 OF THE CLAIM OF  
O. W. WILSON,

KNOWN AS THE  
EUREKA AND ATLANTA LODS,

IN CONSOLIDATED MONTGOMERY  
AND BUCKSKIN MINING DISTRICTS,  
PARK COUNTY, COLORADO.

Containing an Area of 6.603 Acres.  
 Scale of 200 Feet to the inch.  
 Variation 13° 43' East.

SURVEYED August 3<sup>rd</sup>, 1897. BY  
W. A. Powless, U. S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of  
O. W. Wilson,  
 known as the  
Eureka and Atlanta Lodes,

from which this plat has been made under my direction have been examined and approved, and are on file in this office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant or his grantors, and that said improvements consist of six tunnels, a cut, and a shaft, as appears by the affidavit of the deputy surveyor;

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. Thos. D. Robinson  
 Denver, Colorado. U.S. Surveyor General for  
September 10<sup>th</sup>, 1897. Colorado.



\* S. 28° 35' N. 95.5 ft. See Letter 21797- Feb. 13- 1892  
 A. N. 25° 4' N. 376.5 " " " " " "  
 B. S. 28° 28' N. 1204.4 " " " 21709- " 3- "  
 C. S. 24° 47' N. 167.5 " " " " " "  
 D. S. 66° 47' N. 170.1 " " " 18208- AUG. 21- 1897.

N 75° 10' E

SURVEY No. 2326  
 Mineral District No. 3



7

RECEIVED S. G. O.  
 FEB 8 1892  
 DENVER, - COLO.

(4-683.)

Feb. 13

*[Handwritten signature]*  
 K  
 +

Mineral Survey No. 7288

Lot No. \_\_\_\_\_

21709  
 21797



\* S. 28° 35' N. 95.5 ft. See Letter 21797- Feb. 13-1892  
 A. N. 25° 4' N. 376.5 " " " " " "  
 B. S. 28° 28' N. 1204.4 " " " 21709- " 3- "  
 C. S. 24° 47' N. 167.5 " " " " " "  
 D. S. 66° 47' N. 170.1 " " " 18208- AUG. 21-1897.

Received S. G. O.  
 AUG 10 1897  
 Denver, Colo.

aug 21-97

*M*  
*10*

*F.L.C.*

(4-683.)

Mineral Survey No. 12063 ✓

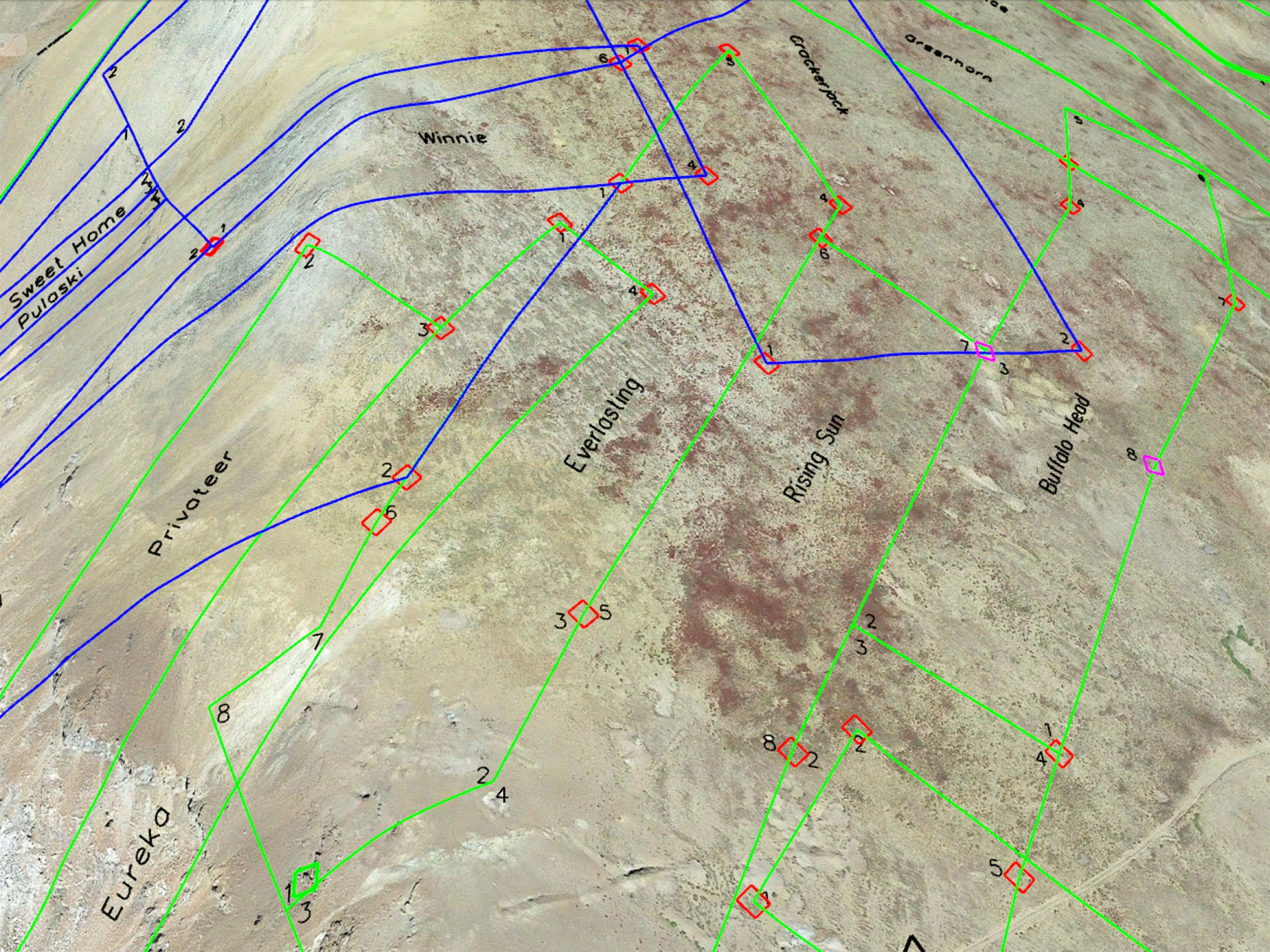
Lot No. \_\_\_\_\_

Leadville \_\_\_\_\_ Land District. ✓

FIELD NOTES

500281  
 18209







**Comparisons of the original survey measurements, Sur. No. 2326, retracements of the Everlasting Lode during the surveys of Surs. Nos. 7288 and 12063, and a resurvey completed in 2019**

Cor. No. 6, Rising Sun, Sur. No. 166 to Cor. No. 4 Everlasting, Sur. No. 2326

N 28°45' E, 88.58 ft. (Original survey, 1882)  
S 28°35' W, 95.50 ft. (Retracement survey, Sur. No. 7288, 1892)  
N 28°33'15" E, 95.33 ft. (Resurvey, 2019)

Line 4-5, Everlasting Lode, Sur. No. 2326

N 25°00' W, 372.05 ft. (Original survey, 1882)  
N 25°04' W, 376.50 ft. (Retracement survey, Sur. No. 7288, 1892)  
N 25°4'28"W, 376.72 ft. (Resurvey, 2019)

Line 5-6, Everlasting Lode, Sur. No. 2326

S 28°45' W, 1190.29 ft. (Original survey, 1882)  
S 28°28' W, 1204.40 ft. (Retracement survey, Sur. No. 7288, 1892)  
S 28°28'0"W, 1205.27 ft. (Resurvey, 2019)

Line 6-7, Everlasting Lode, Sur. No. 2326

S 25°15' W, 163.08 ft. (Original survey, 1882)  
S 24°47' W, 167.50 ft. (Retracement survey, Sur. No. 12063, 1897)

Line 7-8, Everlasting Lode, Sur. No. 2326

S 65°00' W, 157.33 ft. (Original survey, 1882)  
S 66°47' W, 170.10 ft. (Retracement survey, Sur. No. 12063, 1897)



Cor. No. 4  
Luzerne Lode  
Sur. No. 5889

Photo looking to  
the southeast  
across South  
Park with Alma,  
Colorado in the  
midground









Cor. No. 4  
Luzerne Lode  
Sur. No. 5889  
East Face









# The Ribbon

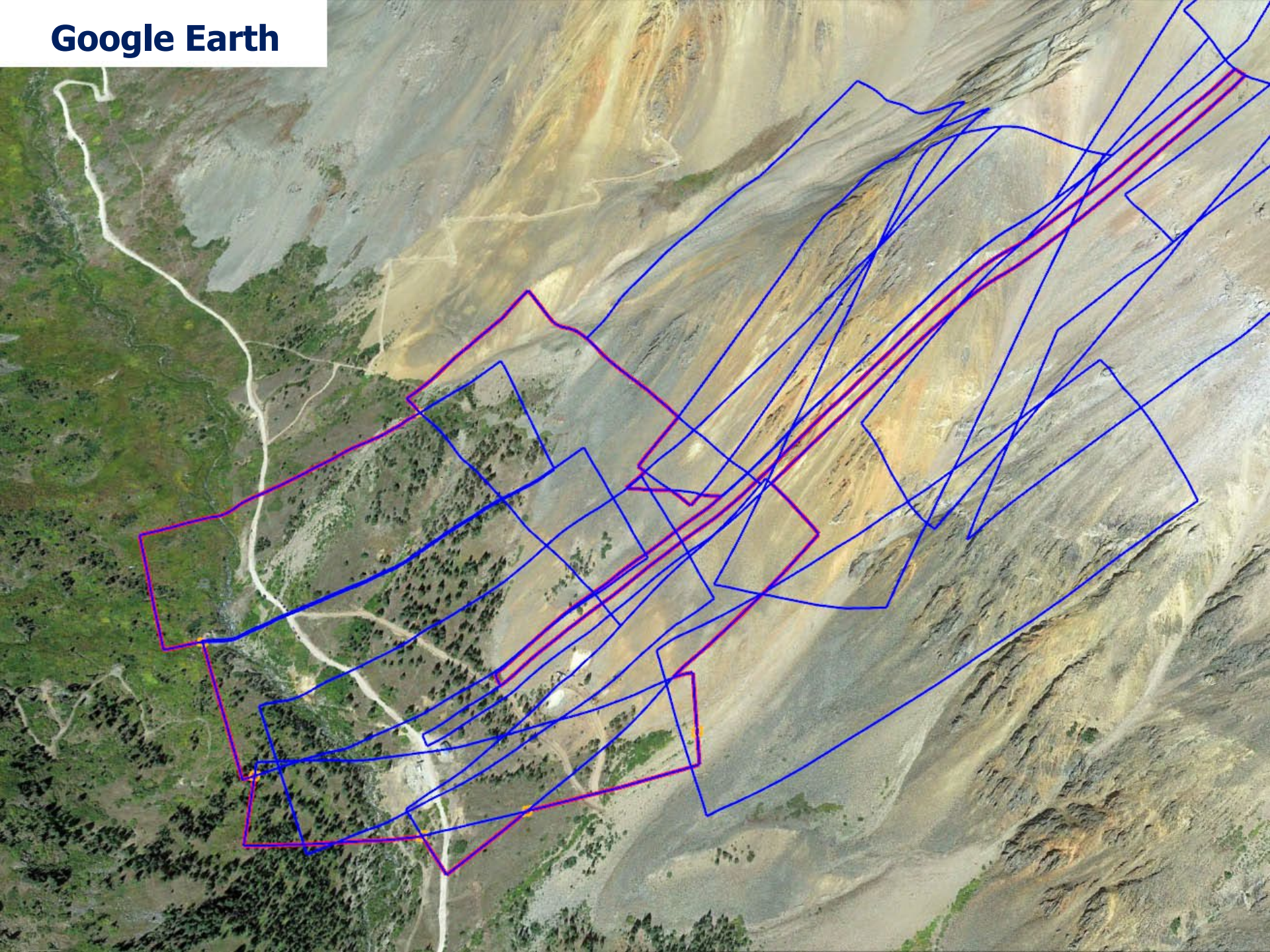
Rhodochrosite  
with Tetrahedrite  
(24 cm)

Good Luck Pocket  
Sweet Home Mine  
Alma, Colorado

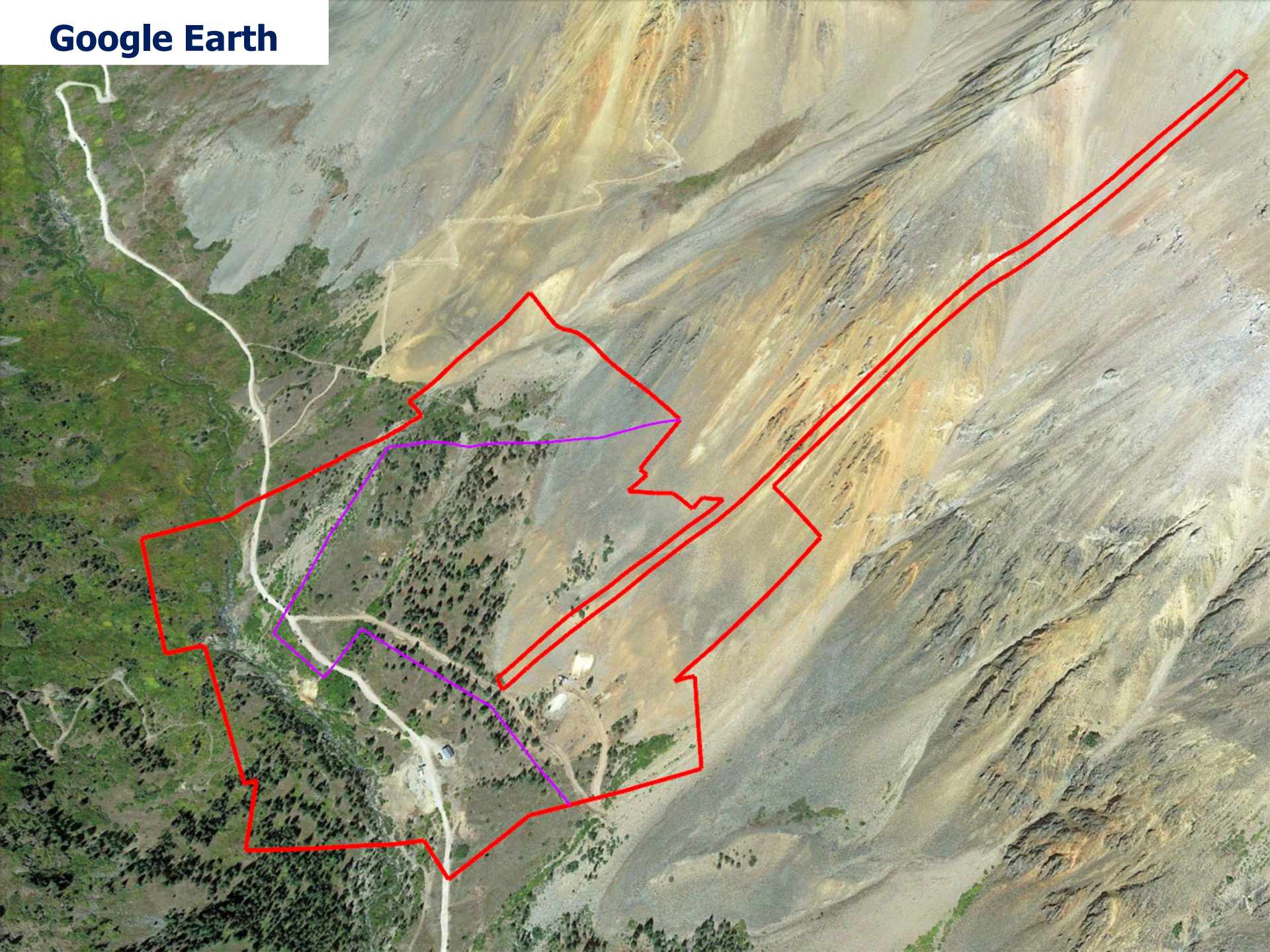
Photograph by  
Harold and Erica  
Van Pelt







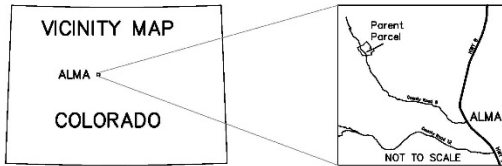






# LOT CONSOLIDATION PLAT

CONSOLIDATION OF SEVEN (7) PATENTED AND CONTIGUOUS LODE MINING CLAIMS  
 THOSE BEING THE PULASKI, DETROIT CITY, ENTERPRISE, BLUE BIRD,  
 SWEET HOME FRACTION, NIAGARA AND BUSHWHACKER LODE CLAIMS  
 ALL LOCATED IN THE NORTHERN ONE-HALF OF SECTION 33, TOWNSHIP 8 SOUTH,  
 RANGE 78 WEST, SIXTH PRINCIPAL MERIDIAN, PARK COUNTY, COLORADO  
 SHEET 1 OF 13



## PROPERTY DESCRIPTION:

Sweet Home Rhoda, Inc., being the owner of the real property of 74.147 acres located in Park County, Colorado, described as follows:  
 A parcel of land located in Section 33, Township 8 South, Range 78 West, of the Sixth Principal Meridian. The said parcel is comprised of seven contiguous lode mining claims with no gaps or gores of land owned by others lying within the exterior boundary of the Parent Parcel. The patented lode claims are the Pulaski Lode, Sur. No. 107, Patent No. 1364, date June 12, 1875; the Detroit City & Enterprise lodes, Sur. No. 8413, Patent No. 24108, date March 20, 1894; the Blue Bird & Sweet Home Fraction lodes, Sur. No. 20507-A&B, Patent No. 1073753, date January 2, 1935; and the Niagara & Bushwhacker lodes, Sur. No. 20591, Patent No. 1109690, date November 22, 1940.

In Witness Whereof, I do hereunto set my hand and seal this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
 President  
 STATE OF COLORADO )  
 ) ss.  
 COUNTY OF PARK )  
 Acknowledged before me this \_\_\_ day of \_\_\_\_\_, 20\_\_ by \_\_\_\_\_  
 Witness my hand and official seal. \_\_\_\_\_  
 Notary Public  
 My Commission Expires: \_\_\_\_\_

## SURVEYOR'S CERTIFICATE:

I, C. Eugene Kooper, a Professional Land Surveyor in the State of Colorado, hereby certify that the survey and plat of the real property shown and described hereon was performed solely by me in strict compliance with Section 38-51-106, Colorado Revised Statutes, and that both survey and plat are true, accurate and complete.



C. Eugene Kooper, P.L.S. 23046  
 P.O. Box 281247, Lakewood, CO 80228  
 (720) 524-4237

Notice: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

## TITLE CERTIFICATE:

\_\_\_\_\_ Title Insurance Company hereby certifies that title to the above-described property is vested in the Owner(s).  
 Date: \_\_\_\_\_ BY: \_\_\_\_\_

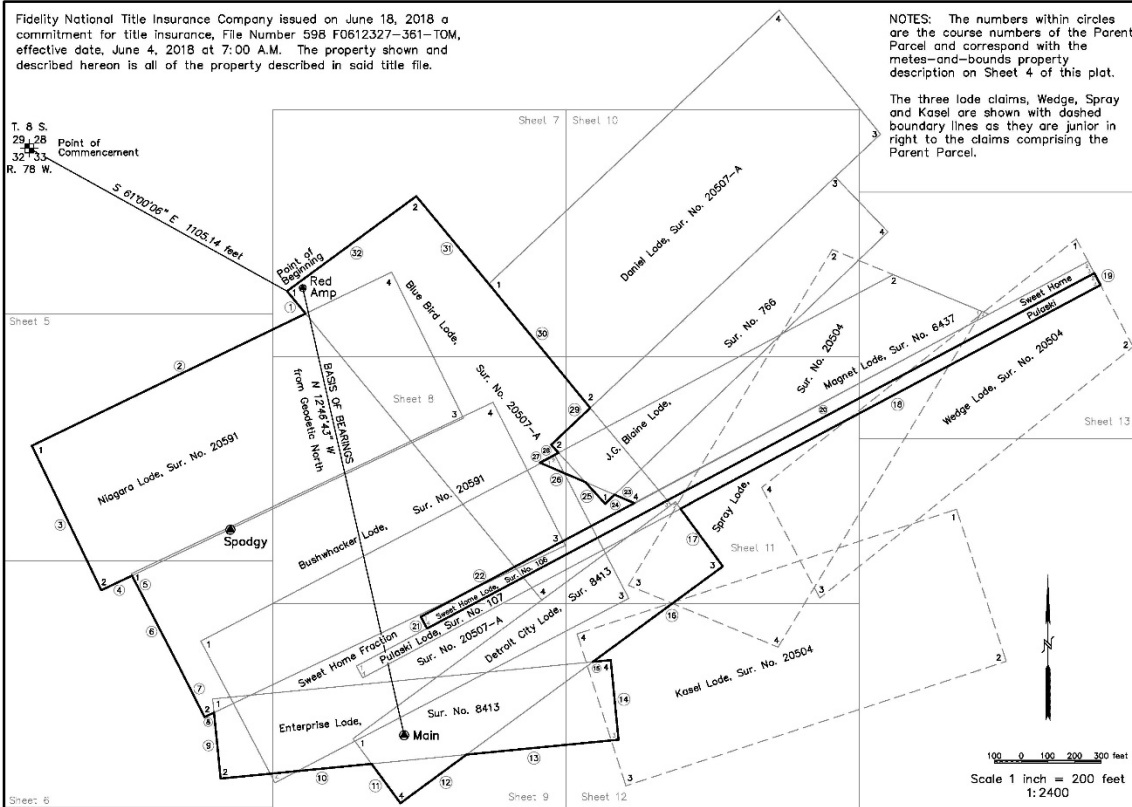
## PARK COUNTY ADMINISTRATIVE APPROVAL:

APPROVED as a LOT CONSOLIDATION by the Planning Director of Park County Colorado and approved for recordation with the Park County Clerk and Recorder's Office pursuant to the Park County Land Use Regulations this \_\_\_ day of \_\_\_\_\_, 20\_\_.

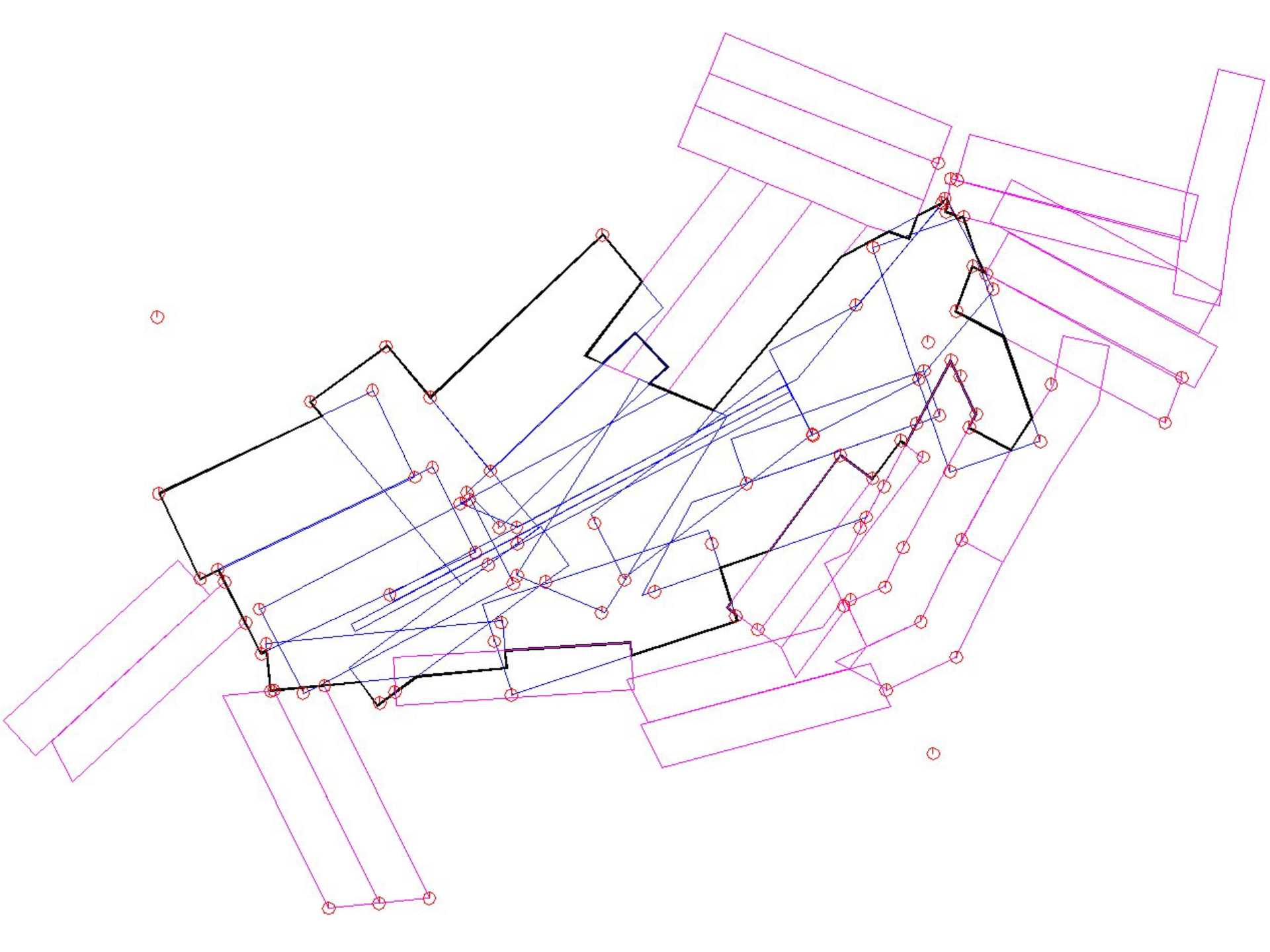
ATTEST: \_\_\_\_\_  
 Planning Director/County Designee

## RECORDER'S CERTIFICATE:

This plat was filed for record in the office of the County Clerk and Recorder of Park County, on the \_\_\_ day of \_\_\_\_\_, 20\_\_, and duly filed at Reception No. \_\_\_\_\_  
 Park County Clerk and Recorder









# LOT CONSOLIDATION PLAT

## CONSOLIDATION OF SEVEN (7) PATENTED AND CONTIGUOUS LODE MINING CLAIMS THOSE BEING THE PULASKI, DETROIT CITY, ENTERPRISE, BLUE BIRD, SWEET HOME FRACTION, NIAGARA AND BUSHWHACKER LODE CLAIMS ALL LOCATED IN THE NORTHERN ONE-HALF OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 78 WEST, SIXTH PRINCIPAL MERIDIAN, PARK COUNTY, COLORADO SHEET 2 OF 13

### HISTORY OF SURVEYS

The first cadastral surveys conducted in the area were the township lines of Township 9 South, Range 78 West, Sixth Principal Meridian. The field surveys were conducted between June 2 and 12, 1873 by U.S. Deputy Surveyor, Benjamin M. Whitmore and approved with the township subdivision by the U.S. General Land Office (GLO) on September 9, 1873. The township subdivision survey of Township 8 South, Range 78 West, Sixth Principal Meridian was surveyed between October 29 and November 7, 1882 by U.S. Deputy Surveyor, Frank Koons under a contract dated July 13, 1882. The township subdivision plat was approved by the GLO on March 2, 1883.

On August 20, 1873, U.S. Deputy Surveyor Fred C. Morse surveyed the Sweet Home Lode, Sur. No. 106 and the Pulaski Lode, Sur. No. 107. The General Land Office approved the mineral surveys on September 10, 1873. The Sweet Home Lode was patented on November 28, 1876 (Patent No. 2043) and filed for record by the Park County Recorder on December 23, 1876 (Book 8, Page 422). The Pulaski Lode was patented on June 12, 1875 (Patent No. 1364) and filed for record by the Park County Recorder on July 10, 1875 (Book 7, Page 358).

On April 1, 1881, U.S. Deputy Mineral Surveyor Lee Hayes surveyed the J.G. Blaine Lode, Sur. No. 766 and the survey was approved on April 9, 1881. A patent was issued on October 31, 1882 (Patent No. 6581) and filed for record by the Park County Recorder on April 26, 1901 (Book 24, Page 401). The three above mineral surveys were connected to the North  $\frac{1}{4}$  Cor. of Sec. 4, T. 9 S., R. 78 W., Sixth P.M.

The Magnet Lode, Sur. No. 6437 was surveyed on August 12, 1890 by U.S. Deputy Mineral Surveyor W.H. Powless and approved by the GLO on September 6, 1890. During the survey, deputy Powless found material errors in the bearings and distances of the Sweet Home and Pulaski side lines. Line 3-4 of the Magnet Lode is common with Line 1-2 of the Sweet Home Lode. The 1' discrepancy in the bearing of the side lines is likely due to a local magnetic anomaly (e.g. this lode is named the Magnet Lode). The discrepancies of 135 feet in the lengths of the Sweet Home and Pulaski lode claims are due to deputy Morse's overestimation that the scree slope had a topographic slope of 40'. The Magnet Lode was patented on February 23, 1892 (Patent No. 19696) and filed for record by the Park County Recorder on April 16, 1892 (Book 37, Page 247).

The surveys of the Grover Cleveland Lode, Sur. No. 7287 and the Winnie Lode, Sur. No. 7288 were commenced on November 30, 1891 and completed on January 19, 1892 by U.S. Deputy Mineral Surveyor, W.H. Powless. The Grover Cleveland Lode was approved by the GLO on May 18, 1892, patented on June 20, 1893 (Patent No. 23081) and filed for record by the Park County Recorder on November 27, 1903 (Book 56, Page 141). The Winnie Lode was approved by the GLO on March 2, 1892. The Winnie Lode was patented on September 23, 1896 (Patent No. 27418) and filed for record by the Park County Recorder on November 27, 1903 (Book 56, Page 140). These two mineral surveys are not part of the Parent Parcel, but are included in this narrative as their locations were used to reestablish the lines of the Sweet Home and Pulaski lodes.

The Highland Mary Lode, Sur. No. 8411 was surveyed on June 23, 1893 by U.S. Deputy Mineral Surveyor, W.H. Powless, approved by the GLO on July 12, 1893, and patented on March 20, 1894 (Patent No. 24107).

The survey of the Detroit City and Enterprise lodes, Sur. No. 8413 was commenced on June 26, 1893 and completed on June 27, 1893 by U.S. Deputy Mineral Surveyor, W.H. Powless and approved by the GLO on July 14, 1893. The Detroit City and Enterprise lodes were patented on March 20, 1894 (Patent No. 24108) and filed for record by the Park County Recorder on September 10, 1894, (Book 54, Page 125).

The survey of the Sun Flower No. 1 and Sun Flower No. 2 lodes, Sur. No. 17480 was commenced on December 12, 1904 and completed on December 13, 1904 by U.S. Deputy Mineral Surveyor, W.H. Powless and approved by the GLO on January 24, 1905. The Sun Flower No. 1 and Sun Flower No. 2 lodes were patented on October 30, 1906 (Patent No. 44718).

### HISTORY OF SURVEYS (CONTINUED)

On September 29, 1932 a mineral survey order was issued to U.S. Mineral Surveyor Gerald F. Galloway to survey nine lode claims and a mill site as Sur. No. 20504-A&B. After the field work was completed and the preliminary plat and field notes submitted for review by the General Land Office, a problem was identified. Three of the lode claims, the Blue Bird, Sweet Home Fraction and Daniel were not contiguous with the other six lode claims. The Dept. of Interior's Interior Decision, "Wagner Assets Realization Corp." (53 ID 614) directly dealt with this problem. The decision was issued on March 11, 1932, but was not published until 1933. The Colorado state office still operating under the old policy rejected the survey. The claim owner decided on January 25, 1933 to remove the Blue Bird, Sweet Home Fraction and Daniel lodes along with the Sweet Home Mill Site from Sur. No. 20504-A&B and have them surveyed under a new mineral survey order for Sur. No. 20507-A&B.

The survey of the Social Fund, Silent Friend, Wedge, Crackerjack, Spray, and Kassel lodes, Sur. No. 20504 was commenced on October 1, 1932 and completed on November 15, 1932 by U.S. Mineral Surveyor Gerald F. Galloway and approved on June 7, 1933. A patent was issued for the six lodes on February 20, 1935 (Patent No. 1074568) and filed for record by the Park County Recorder on March 6, 1935 (Book 117, Page 191).

The survey of the Blue Bird, Sweet Home Fraction and Daniel lodes and the Sweet Home Mill Site, Sur. No. 20507-A&B was commenced on January 30, 1933 and completed on February 25, 1933 by U.S. Mineral Surveyor Gerald F. Galloway and approved by the GLO on June 10, 1933. The mill site was omitted from the patent application as no mining activities were being conducted on the mill site. A patent was issued for the three lodes on January 2, 1935 (Patent No. 1073753) and filed for record by the Park County Recorder on February 1, 1935 (Book 117, Page 130).

The survey of the Bushwhacker and Niagara lodes, Sur. No. 20591 was commenced on August 1, 1938 and completed on August 28, 1938 by U.S. Mineral Surveyor Gerald F. Galloway and approved by the GLO on September 21, 1938. A patent was issued for the two lodes on November 22, 1940 (Patent No. 1109690) and filed for record by the Park County Recorder on December 20, 1940 (Book 126, Page 678).

### RE-ESTABLISHMENT OF LOST CORNERS

The original stone for Cor. No. 1 of the Sweet Home Lode was found in place during the field survey. Cors. Nos. 2 and 3 are located in the upper portion of the scree slope and were destroyed by slide activity and Cor. No. 4 was destroyed by a mining access road. None of the corners of the Pulaski Lode were found during the field survey. Cors. Nos. 1 and 4 lie within Buckskin Road and a driveway. Cors. Nos. 2 and 3 are located in the upper portion of the scree slope and were destroyed by slide activity. The lines of the Sweet Home and Pulaski lodes were reestablished based on the position of Cor. No. 1 of the Sweet Home Lode; the positions of the Magnet Lode, Sur. No. 6437 and Grover Cleveland Lode, Sur. No. 7287 (Line 3-4 of the Magnet and Line 1-2 of the Grover Cleveland are common with Line 1-2 of the Sweet Home Lode); and a connection made to Cor. No. 3 of the Pulaski Lode during the original survey of the Social Fund Lode, Sur. No. 20504 by Gerald F. Galloway in 1932.

The original stone for Cor. No. 2 of the J.G. Blaine Lode was found in place during the field survey. The stone for Cor. No. 1 was found lying below the corner position. The original bearing rock accessory was found and the stone monument reestablished based on the record tie from the bearing rock. The field notes for Sur. No. 20507-A&B state that deputy Galloway found the stone slightly fallen over and reestablished the stone based on the original bearing rock. Cor. No. 3 was destroyed in the scree slope. Cor. No. 4 was not found. However, Cor. No. 4 was found by U.S. Mineral Surveyor Galloway during the survey of Sur. No. 20507-A&B. From the field notes [Cor. No. 4 had] "fallen out of place down a cliff and replaced in the mound of stone where it was originally." During the survey of the Magnet Lode, material errors were reported in the bearings and distances of Line 1-2 and Line 4-1 of the J.G. Blaine Lode.

### RE-ESTABLISHMENT OF LOST CORNERS (CONTINUED)

The original stones for Cors. Nos. 1 and 4 of the Magnet Lode were found in place during the field survey. Cors. Nos. 2 and 3 are located in the upper portion of the scree slope and were destroyed by slide activity. Line 2-3 of the Magnet Lode and its extension are shared by four other lodes. The common line of the five lode claims was reestablished by a connection to Cor. No. 3 of the Colorado Springs Lode, Sur. No. 3106 (also Cor. No. 1 of the Tiger Lode, Sur. No. 3103) during the survey of the Spray Lode, Sur. No. 20504 by U.S. Mineral Surveyor Gerald F. Galloway in 1932.

The original stone to Cor. No. 1 of the Highland Mary Lode was found in place during the field survey. Cor. No. 4 was found leaning downhill and reestablished using the record tie from its original bearing rock.

Five of the eight corners of the Detroit City and Enterprise lodes were found during the field survey. The witness corners to Cors. Nos. 2 and 3 of the Detroit City Lode were found in place. Cor. No. 1 of the Detroit City Lode was destroyed by mining activity. The witness corner to Cor. No. 4 was previously found lying in the ditch of Buckskin Gulch Road. Cor. No. 1 of the Enterprise Lode was rehabilitated based on the record ties to the remains of the two original bearing trees. Cor. No. 2 of the Enterprise Lode was found in place, but it may have moved downhill due to soil creep and frost heave. However, the only evidence of this is a slight discrepancy with the record tie to its bearing rock. Cor. No. 3 of the Enterprise Lode was destroyed in the scree slope. Cor. No. 4 was found in an upright position with a mound of stone. However, this area of the scree slope has slid downhill en masse approx. 20 feet since it was originally established (approx. 0.15 feet/year). Cors. Nos. 1 and 4 of the Detroit City Lode and Cors. Nos. 3 and 4 of the Enterprise Lode were reestablished based on the record relationships to the positions of the four found corners of Sur. No. 8413.

The three stone monuments marking the corners of the Sun Flower No. 1 and Sun Flower No. 2 northern end lines were found. The common corner of Cors. Nos. 2 may have moved downhill due to soil creep and frost heave, but the only evidence of this is a slight discrepancy with the record tie to its bearing rock. Cor. No. 3 of the Sun Flower No. 1 Lode is displaced from the true corner position. It has not been rehabilitated, but the corner is an extant corner as the original bearing rock was found. The stone monument that originally marked Cor. No. 3 of the Sun Flower No. 2 Lode was rotated 180° and moved 0.79 feet along Line 3-4 of the Sun Flower No. 2 Lode by U.S. Mineral Surveyor Gerald F. Galloway during the survey of the Sweet Home Mill Site, Sur. No. 20507-B. It was marked as Cor. No. 1 of said mill site. The error in placement of Cor. No. 1 of the Sweet Home Mill Site was caused by an error of 32 arc-minutes in the computation of the solar observation for Sur. No. 20507-A&B.

The four original stone corners of the Blue Bird Lode were found during the field survey. The stone originally set to mark Cor. No. 2 of the Blue Bird Lode was found in an upright position, but 11.54 feet downhill from the corner position due to slide activity (approx. 0.15 feet/year). The witness corner to Cor. No. 4 has a falling of 1.97 feet from Line 1-2 of the Detroit City Lode. However, the scree slope in this area is unstable, so Line 3-4 of the Blue Bird Lode is taken to be on Line 1-2 of the Detroit City Lode. This interpretation is supported by the intent that there not be any remaining fractions of ground. In a September 17, 1932 letter to Mr. Edwin C. Spray, the owner of the Blue Bird and Detroit City lodes, U.S. Mineral Surveyor Gerald F. Galloway stated, "All claim[s] fit together so that, between them, there are no fractions of ground."

All four corners of the Sweet Home Fraction Lode and the southwesterly end line (Cors. Nos. 1 and 2) of the Daniel Lode were found in place during the field survey.

All eight corners of the Bushwhacker and Niagara lodes were found in place during the field survey.

Notice: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

### SURVEYOR'S CERTIFICATE:

I, C. Eugene Kooper, a Professional Land Surveyor in the State of Colorado, hereby certify that the survey and plat of the real property shown and described hereon was performed solely by me in strict compliance with Section 38-51-106, Colorado Revised Statutes, and that both survey and plat are true, accurate and complete.



C. Eugene Kooper, P.L.S. 23046



**Specimen Before  
Trimming and  
Final Cleaning**

Rhodochrosite with  
Tetrahedrite and  
Quartz  
(8 inches)

Sweet Home Mine  
Detroit City Portal  
Alma, Colorado

Photograph by  
C. Eugene Kooper





590

No. 106 - Sweet Home Lode

whereon it is situate, dips  
S.  $50^{\circ}$  W. down  $25^{\circ}$  to  $40^{\circ}$

Adjoining claims, on the south  
east side the Pulaski Lode  
Survey No. 107 - owned by  
Edward W Henderson and  
Samuel B Morgan, no others  
known. August 20 - 1873

Fred le Morse

U.S. Deputy Surveyor



2.

Explain

This means that the surface of the ground is not level, that it dips down below the horizon  $25^{\circ}$  to  $40^{\circ}$ , - that the course or direction of such dip is South  $50^{\circ}$  West.

The ground on which corners No. 2 and 3 are located dips as above described,  $40^{\circ}$  and the ground whereon corners No. 1 and 4 are located dips  $25^{\circ}$ .

Fred le Morse



\* N. 62° 3' E. 2835.4 FT. See letter 15367 uid. July 24. '90

115

SURVEY NO. 106  
 Mineral District No. 3.

**PLAT**  
 OF THE

*Morgan & Henderson Claim*

UPON THE

*Sweet Home Lode* in

*Buckskin Joe*

Mining District, Park County Colorado.

Surveyed by *Fred G. Morse*, August 20-1873.

Containing 3.10 Acres.

Scale of 300 feet to the Inch.

Variation.  
 14° 45' East.

N 1/2 Sec. 33 T. 8 S. R. 78 W.

**Boundaries.**

No. of Course	COURSE.	Distance in Feet.
1	N 63° 03' E.	2700.00
2	S. 26° 57' E.	500.00
3	S. 63° 03' W.	2700.00
4	N 26° 57' W.	500.00

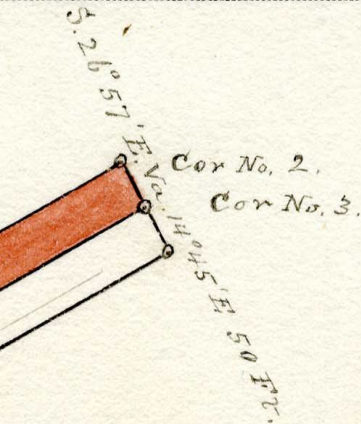
The original Field Notes of the Survey of the...*Morgan and Henderson*..... Claim upon the...*Sweet Home*..... Lode, from which this Plat has been made, have been examined and approved, and are on file in this office. And I hereby certify that they furnish such accurate description of said...*Morgan & Henderson*..... Mining Claim, as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects and permanent monuments, as will perpetuate and fix the locus thereof. I further Certify that the value of the labor and improvements upon the said Mining Claim, is not less than Five Hundred Dollars, and that this is a correct Plat of said...*Morgan and Henderson*..... Mining Claim or premises, made in conformity with said original field notes of survey thereof.

Surveyor General's Office,  
 Denver, Colorado,  
 September 10<sup>th</sup> 1873

*W. D. Leasing*  
 U. S. Surveyor General of Colorado.



\* N. 62° 3' E, 2835.4 FT. See letter 15369 rec'd, July 24, '90



SURVEY NO. 106.  
Mineral District No. 3.

PLAT

OF THE

Morgan & Henderson Claim

UPON THE

Sweet Home Lode in

Buckskin Joe

Lode



























C. E. KOOPER  
R. M.  
24<sup>th</sup> PINE  
MS 106  
S BT-1  
23046



# The Sno Cone

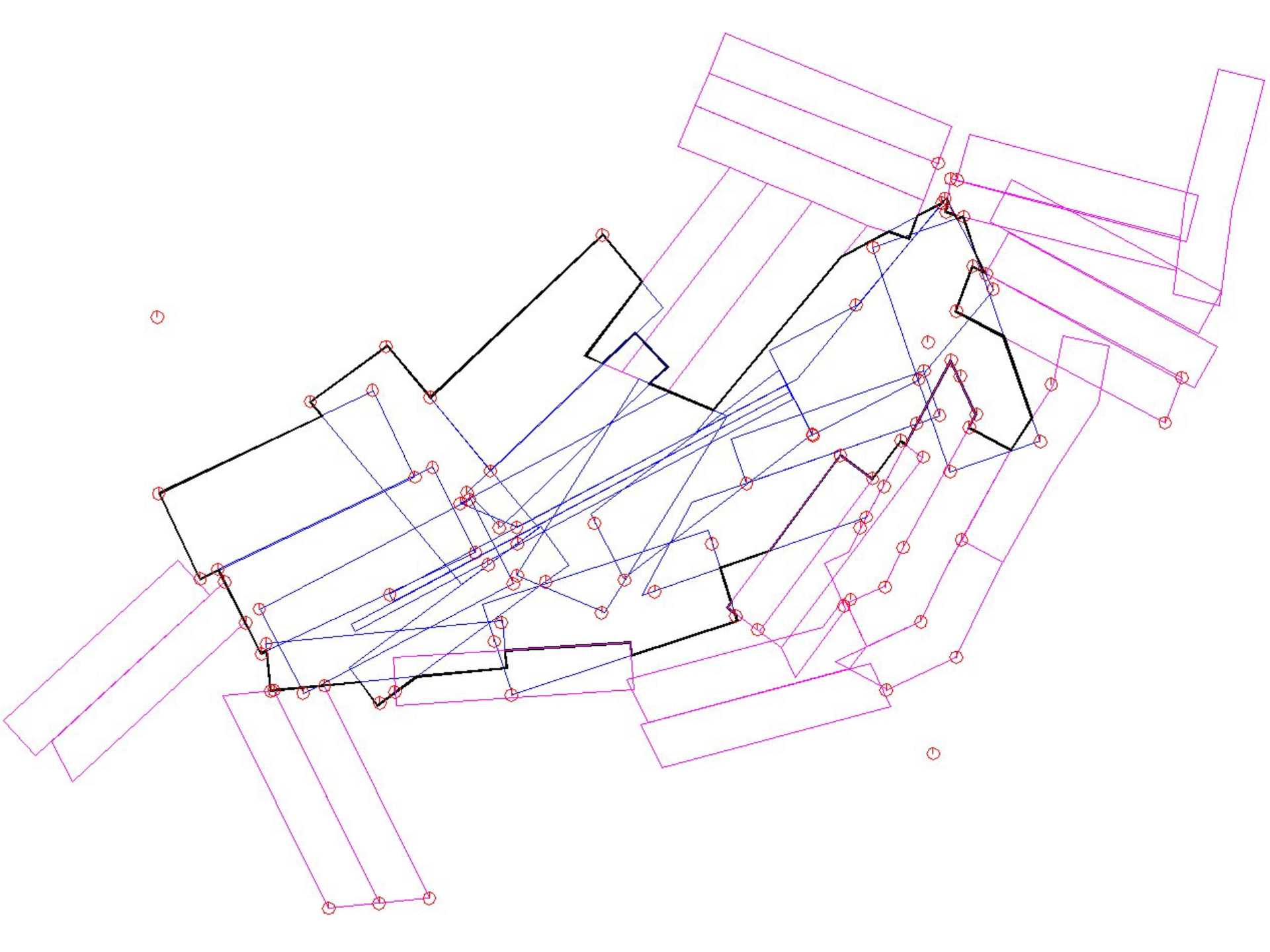
Rhodochrosite  
with Pyrite and  
Tetrahedrite  
(17 x 14 x 9.5 cm)

Good Luck Pocket  
Sweet Home Mine  
Alma, Colorado

Photograph by  
Jeff Scovil



























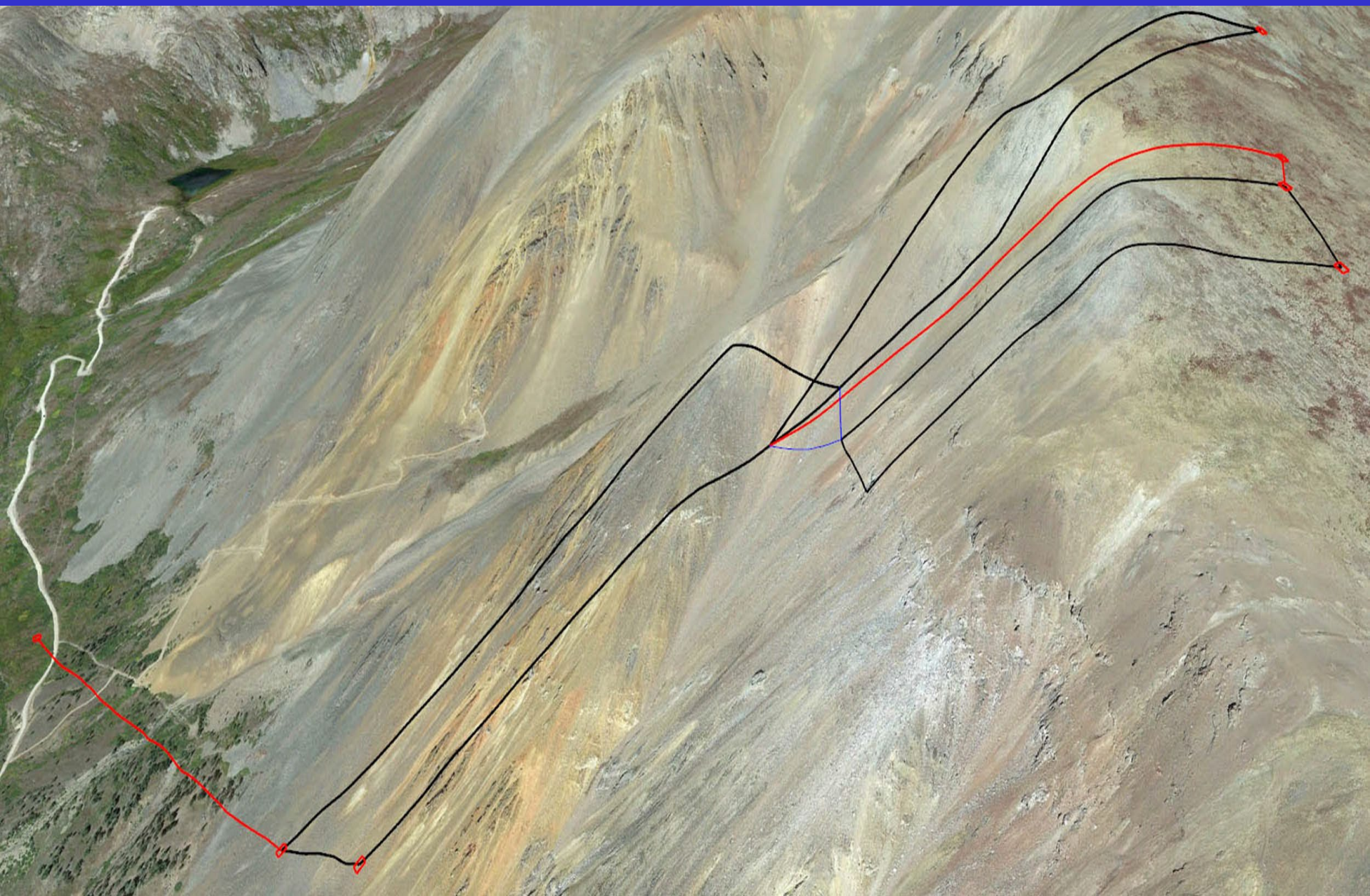














# Unnamed Rhodochrosite

Rhodochrosite on Quartz, Fluorite & Barite (6.4 x 10.8 x 6.8 cm)

19-02 Pocket, Sweet Home Mine, Detroit City Portal - Alma, CO



Photo by Annette Slade

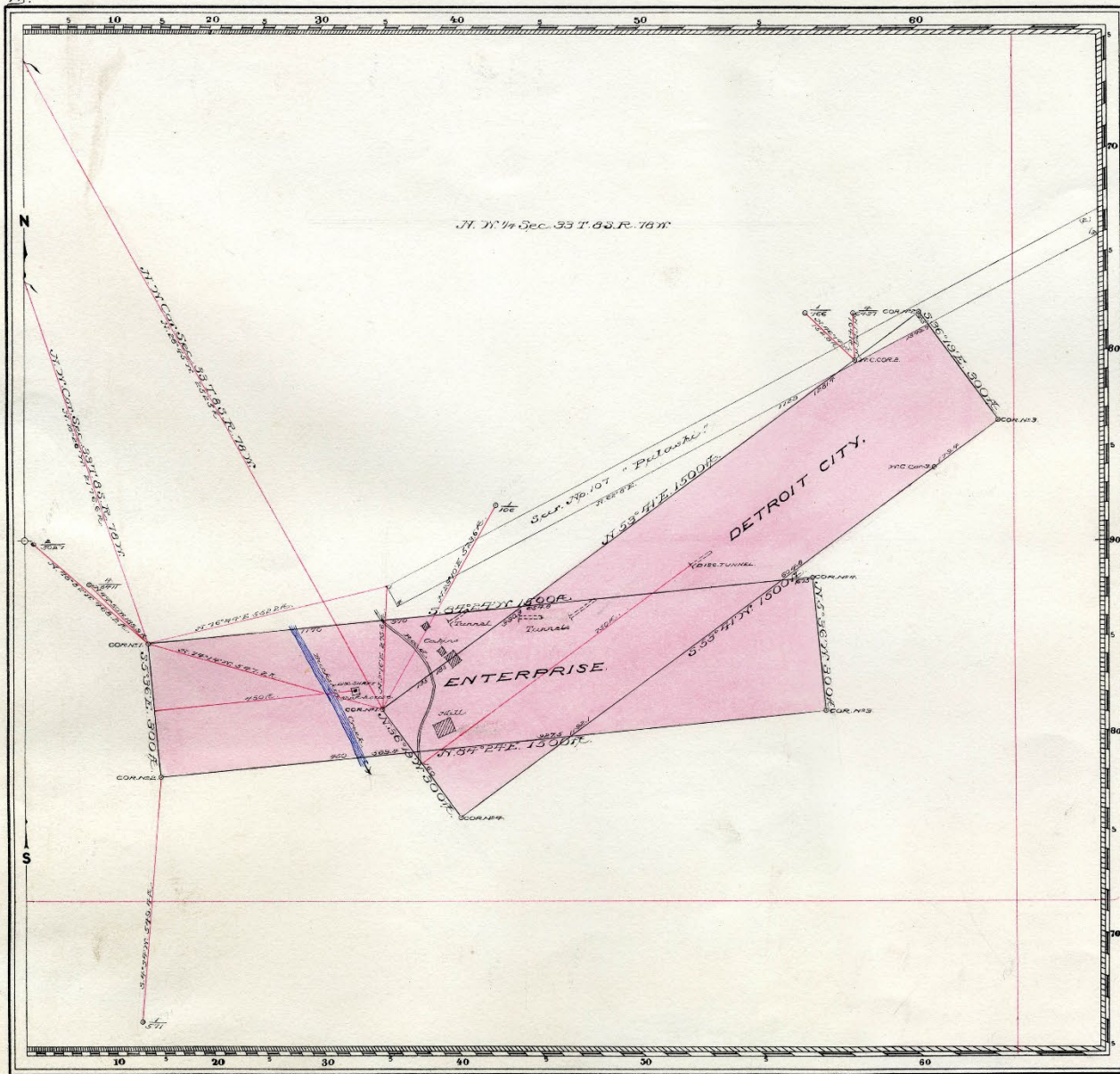












Rec'd 9 P. M. Jan 2

July 7.

*Dates of Locations*  
*Detroit City Lode, November 10th 1873*  
*Enterprise Lode, September 11th 1893*  
 Mineral Survey No. 8713

Lot No. \_\_\_\_\_  
 LEADVILLE Land District.

**PLAT**  
 OF THE CLAIM OF  
*O. Sherman*

KNOWN AS THE  
**DETROIT CITY AND ENTERPRISE**  
**LODES**

IN BUCKSKIN MINING DISTRICT,  
PARK COUNTY, COLORADO  
 Containing an Area of 16.3 Acres.  
 Scale of 200 Feet to the inch.  
 Variation \_\_\_\_\_

SURVEYED June 27th 1893 BY  
W. H. Parless  
 U.S. Deputy Mineral Surveyor,

*The Original Field Notes of the Survey of the Mining Claim of*  
*O. Sherman*

Known as the  
*Detroit City and Enterprise*  
*Lodes*

from which this plat has been made under my direction, I have examined and approved, and are on file in this office, and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant \_\_\_\_\_ or his grantors, and that said improvements consist of four tunnels, a shaft and a shaft-house, as appears by the affidavit of the Deputy Surveyor \_\_\_\_\_ that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. } *E. C. Humphrey*  
 Denver, Colorado. } U.S. Surveyor General for  
 July 17th, 1893 } Colorado

B.F.





















1  
B413



















# Unnamed Rhodochrosite

Rhodochrosite on Quartz (8.25 cm x 6.4 cm)

Thanksgiving Day Pocket, Sweet Home Mine - Alma, Colorado



Photo by Stuart Wilensky















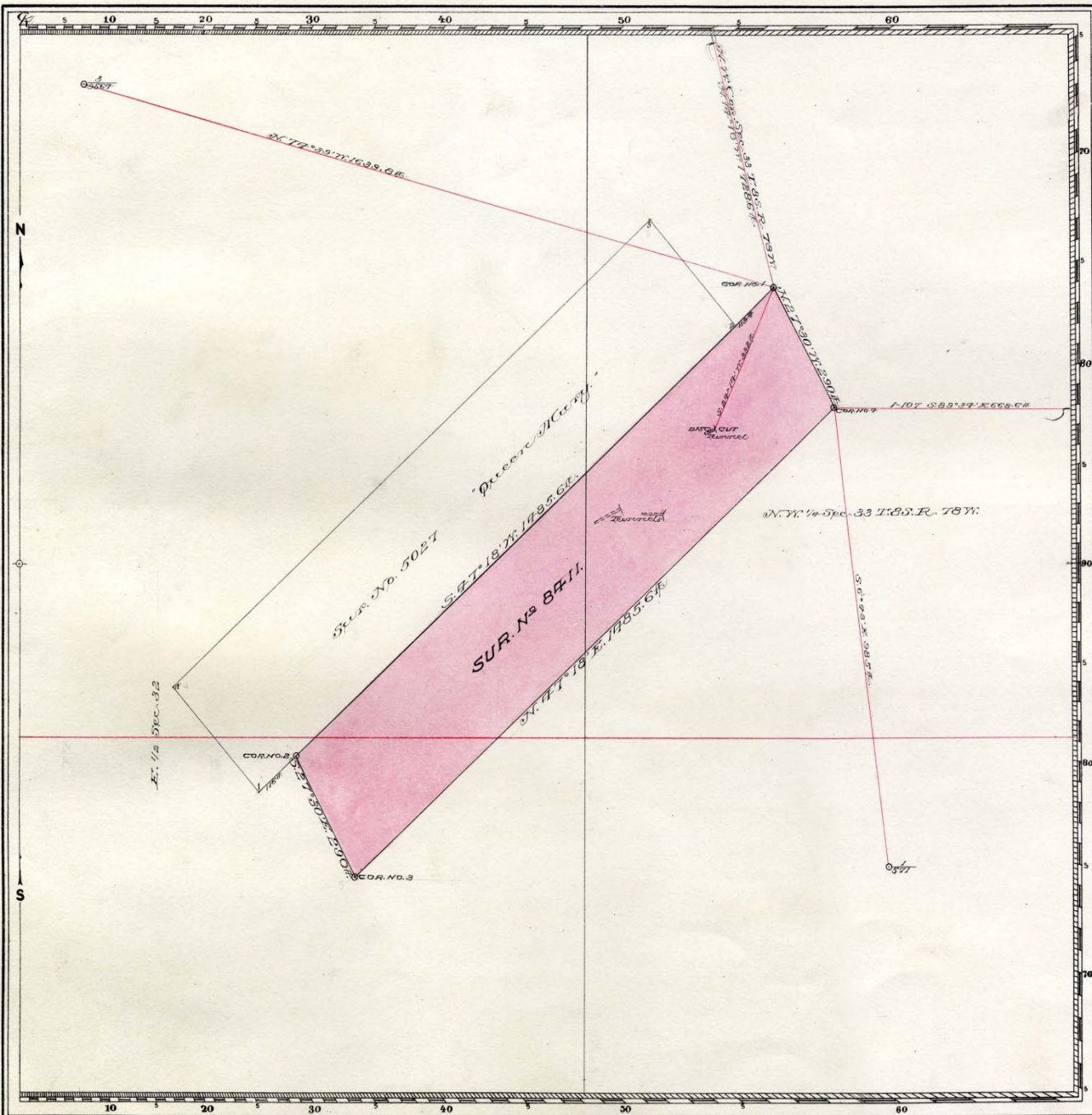
## **Example - Technical Overlap Between Junior Lode and Senior Lode.**

This example has the Senior Lode corners as the intermediate monuments and both lines are end lines.

In Colorado prior to 1923, territory and state law mandated lode claim widths be no wider than 300 feet. In fact, before 1923 the Territory and State of Colorado allowed individual counties to determine the maximum width of lode claims. The counties of Boulder, Clear Creek, Gilpin and Summit had a maximum lode claim width of 150 feet. In 1923, the State of Colorado changed the width of lode claims to match the Federal width of 600 ft.

In order for the two claims to share a common end line, the field notes and patent for the Bushwhacker Lode, Sur. No. 20591 (junior lode) must call the Highland Mary Lode, Sur. No. 8411 (senior lode) corners as being on the Bushwhacker Lode end line. Otherwise the conditions in Sec. 10-224 are not met.





Date of Location, November 10<sup>th</sup> 1878.

Mineral Survey No. 8471

LOT No. \_\_\_\_\_  
LEADVILLE Land District.

**PLAT**  
OF THE CLAIM OF  
O. Stearns.

KNOWN AS THE  
HIGHLAND MARY LODE.

IN BUCKSKIN MINING DISTRICT,  
PARK COUNTY, COLORADO

Containing an Area of 3.542 Acres.  
Scale of 200 feet to the inch.  
Variation \_\_\_\_\_

SURVEYED June 23<sup>rd</sup> 1893 BY  
W. H. Powless,  
U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Mining Claim of  
O. Stearns.  
known as the  
HIGHLAND MARY LODE.

from which this plat has been made under my direction, have been examined and approved, and are on file in this office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made thereon to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

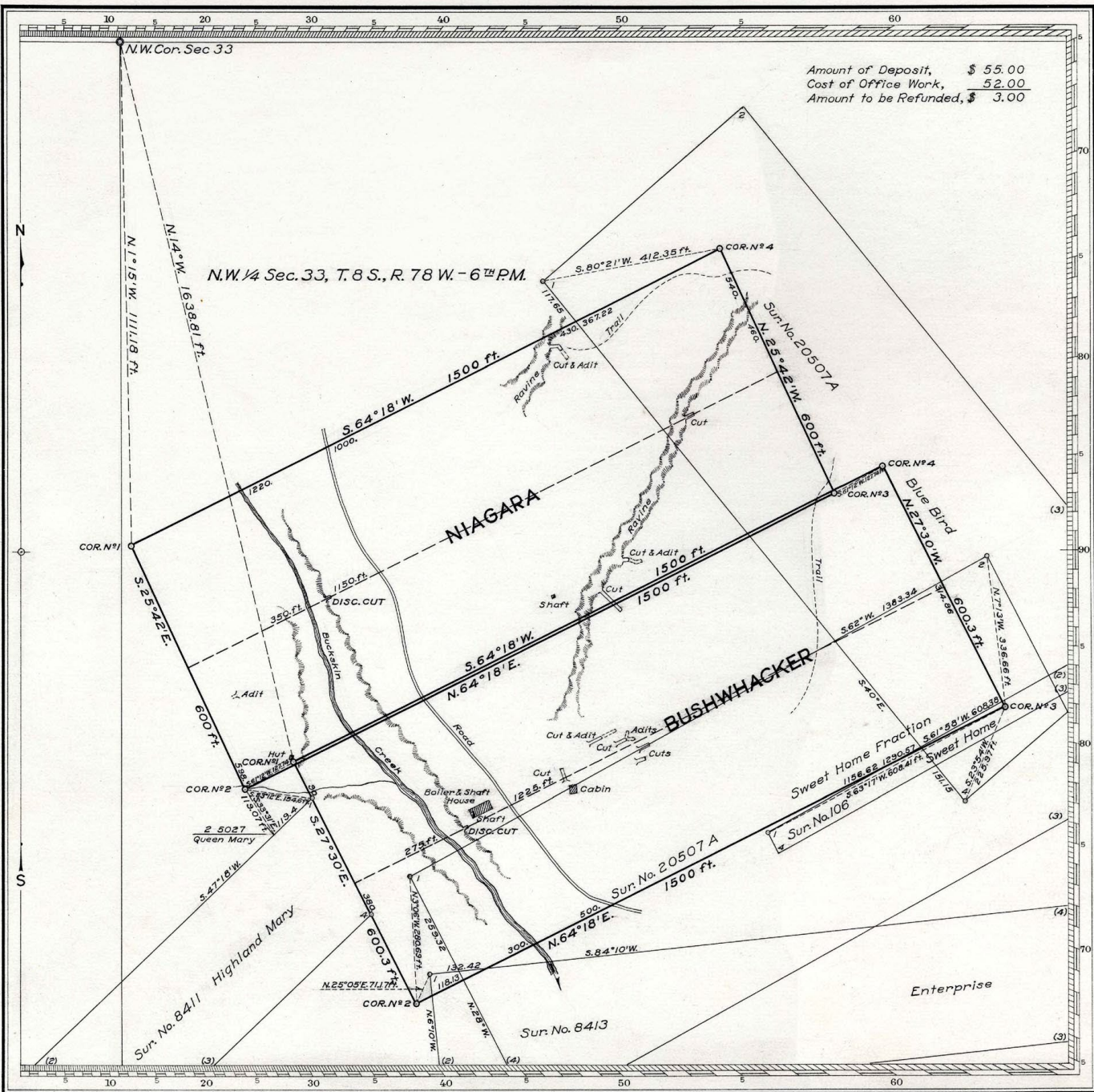
I further certify that five hundred dollars worth of labor has been expended or improvements made upon said Mining Claim by claimant \_\_\_\_\_ or his grantors, and that said improvements consist of the discovery cut and these tunnels, as appears by the affidavits of the deputy surveyors

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. E. J. Humphrey  
Denver, Colorado U.S. Surveyor General for  
July 12<sup>th</sup> 1893 Colorado





Amount of Deposit, \$ 55.00  
 Cost of Office Work, 52.00  
 Amount to be Refunded, \$ 3.00

Mineral Survey No. 20591  
 Denver Land District.

**PLAT**  
 OF THE CLAIM OF  
**F. D. LEWIS**  
 KNOWN AS THE

**BUSHWHACKER AND NIAGARA LODES**

IN **BUCKSKIN** MINING DISTRICT,  
**PARK** COUNTY, COLORADO

Scale of 200 Feet to the inch.  
 Variation 13° 09' East  
 SURVEYED AUGUST 28, 1938 BY

**G. F. Galloway** Mineral Surveyor,  
 General Land Office.

The Original Field Notes of the Survey of the Mining Claim from which this plat has been made under my direction, have been examined and approved, and are on file in this Office, and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof. I further certify that Five Hundred Dollars worth of labor has been expended, or improvements made upon, or for the benefit of each location embraced in said mining claim by claimant **F. D. Lewis**

or his grantors and that said improvements consist of nine cuts and five adits, Value, \$3400.00

that the location of said improvements is correctly shown upon this plat, and that no portion of or interest in said labor or improvements has been included in the estimate of expenditures upon any other claim. And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

Office of Supervisor of Surveys  
 Denver, Colorado, September 21, 1938

*Russell H. Allen*  
 Administrative Cadastral Engineer.

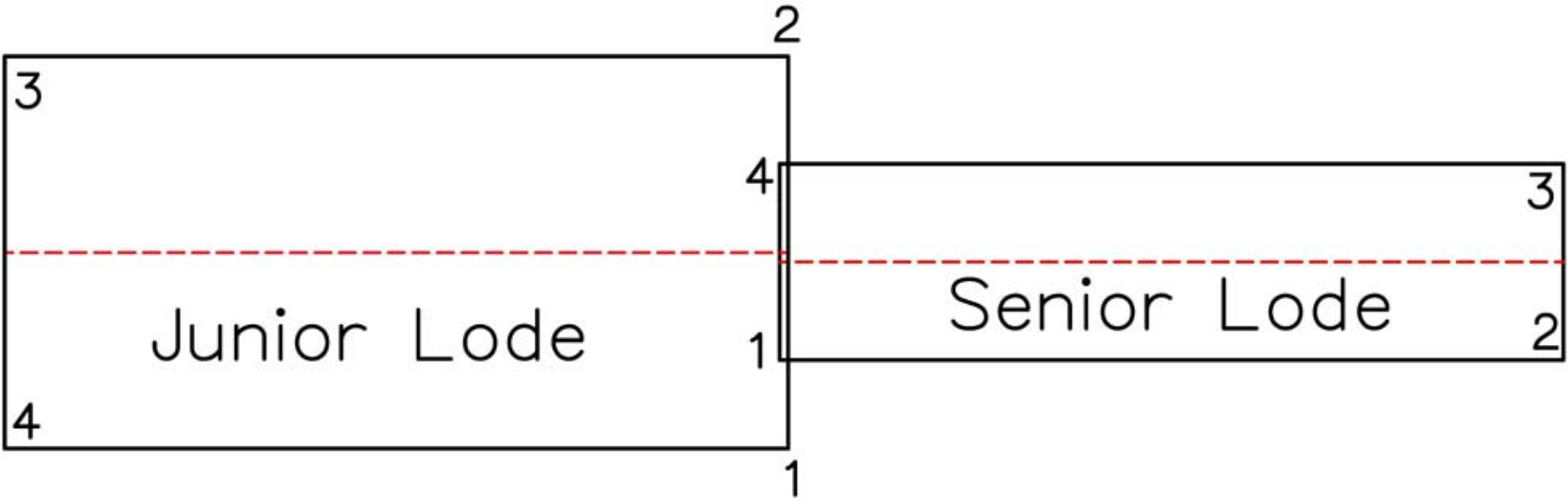




Highland Mary

Bushwhacker



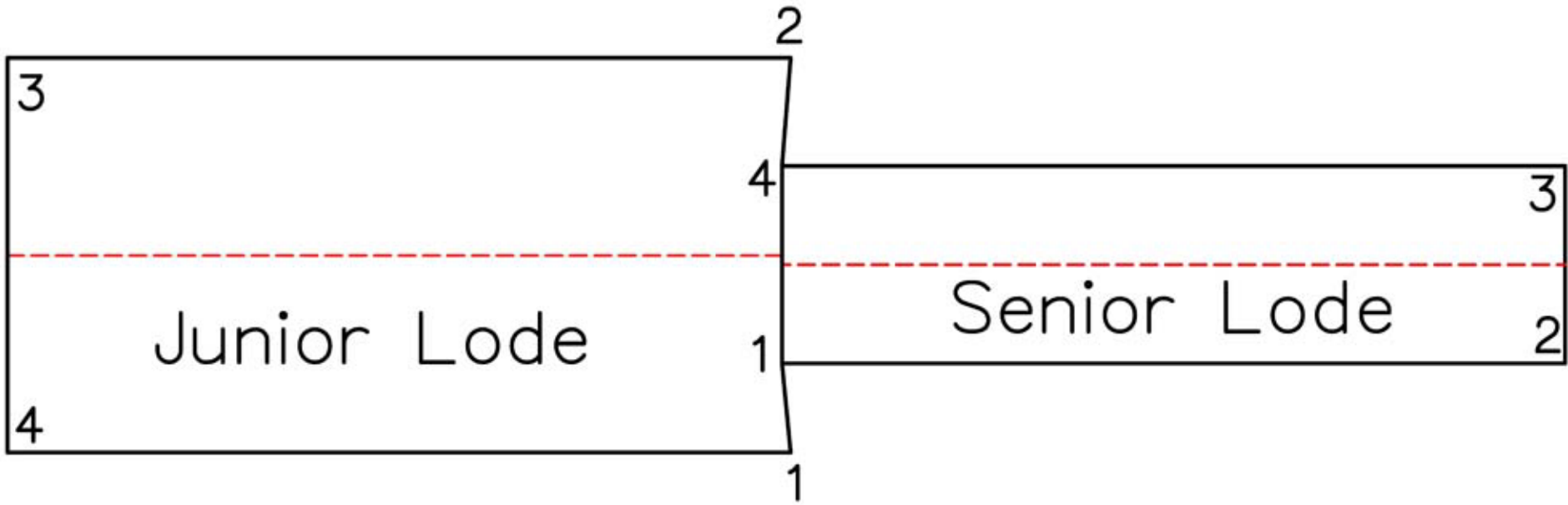




In this example, Line 1-2 of the Bushwhacker Lode (Junior) as run on the ground should control. Cors. Nos. 1 and 4 of the Highland Mary Lode (senior) should be regarded the same as line trees in a rectangular PLSS survey. As such, they are angle points in Line 1-2 of the Bushwhacker Lode. While this may seem contrary to the requirement that the end lines of lode claims be substantially parallel in order to preserve the extralateral rights of the lode claim, that does not mean that the retracement surveyor is at liberty to ignore evidence of the line as run on the ground.

The resurveyor is not charged with fixing a prior error that may impact the claimant's *bona fide* rights. In this particular example, my plat shows the Bushwhacker Lode end line (Line 1-2) with two angle points.































# Unnamed Rhodochrosite

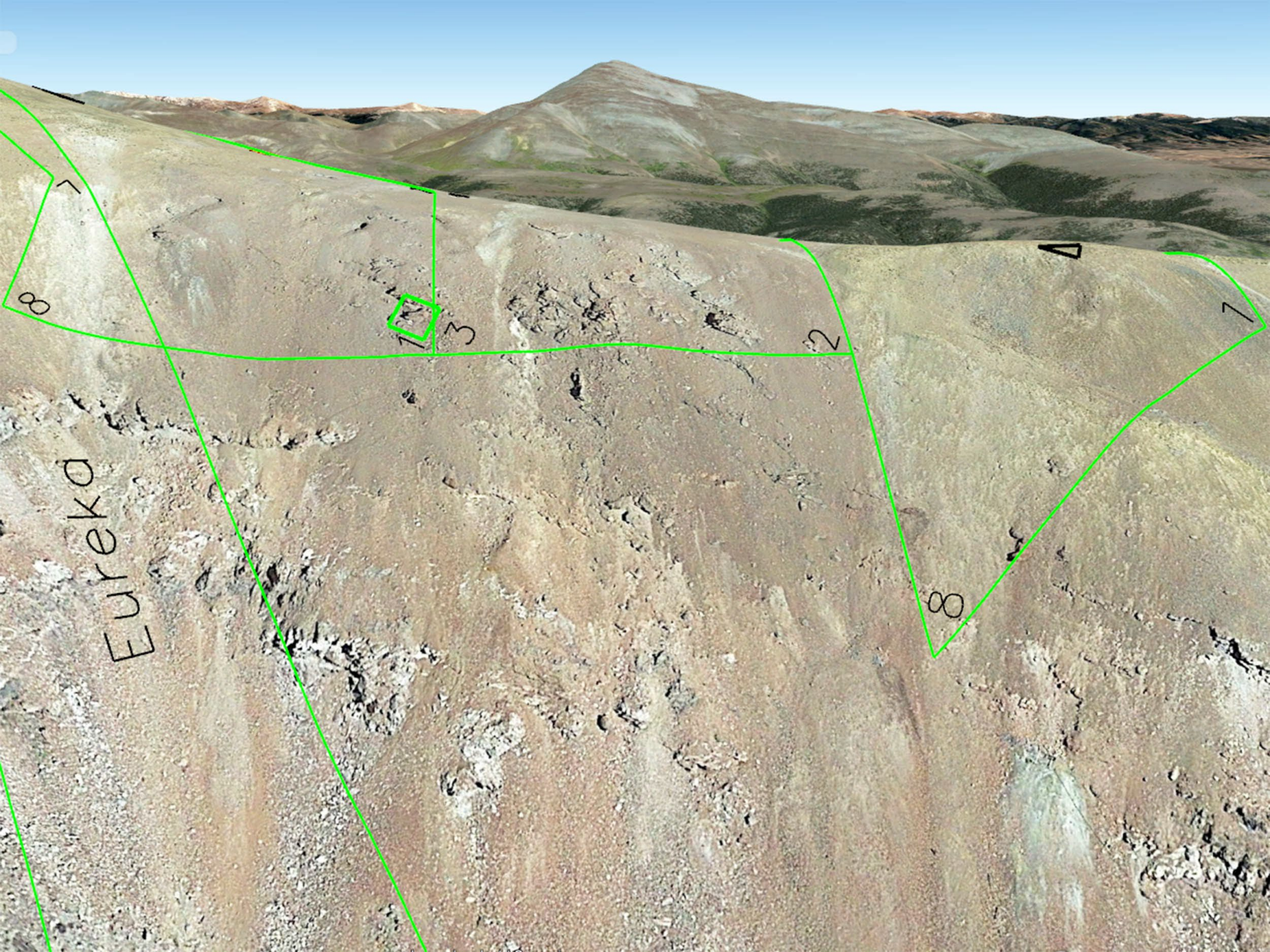
Rhodochrosite on Quartz & Tetrahedrite (10.5 x 14.5 x 4.7 cm)

Calcite Pocket, Sweet Home Mine - Alma, Colorado



Photo by Evan D'Arpino





Eureka

7

8

7

3

2

4

7

8





Pm

MI

Dd



Thence N. 25° W

Va. 14° 30' E.

300.

Set cor. No. 3 a limestone <sup>stone</sup> 18 x 14 x 10  
inches chiseled "3-166" in a

Feet

mound of stones, whence  
"M-166" chiseled on lime stone  
rock in place six feet above  
the ground bears

N. 47° E

Va 14° 30' E

55.











166







-20504-

-20504

SILENT FRIEND

PRIVATEER

EUREKA

RISING SUN

WAR EAGLE

2326

KASEL

3406

2541

-12063-  
2 Loads

ATLANTA

166

CUT OFF

342

SAMSON

-12063-

3434

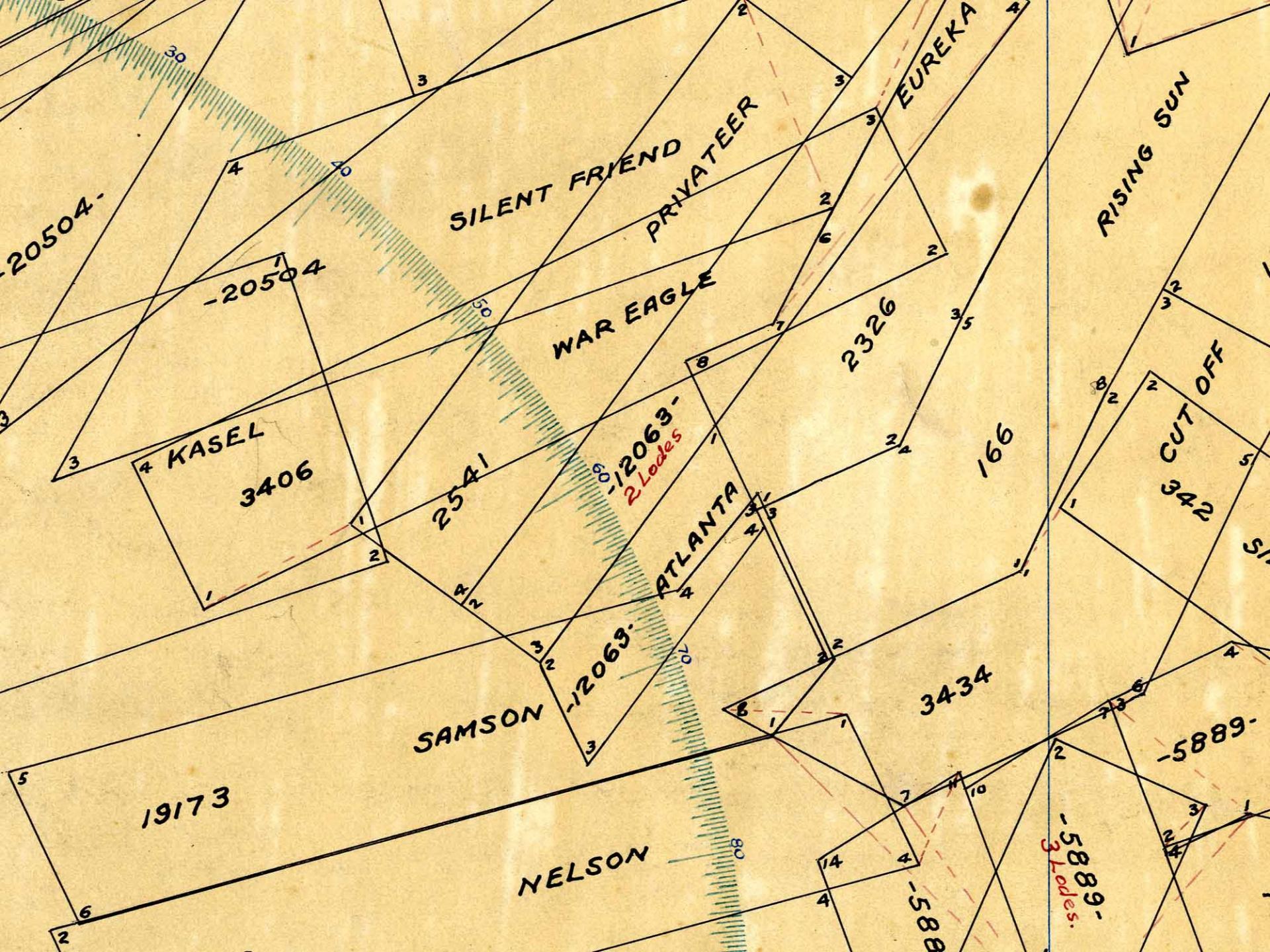
19173

NELSON

-5889-

-5889-  
3 Loads

-5889-





# Unnamed Rhodochrosite

Rhodochrosite and Huebnerite (3 cm across)

Sulfide Pocket, Sweet Home Mine - Alma, Colorado

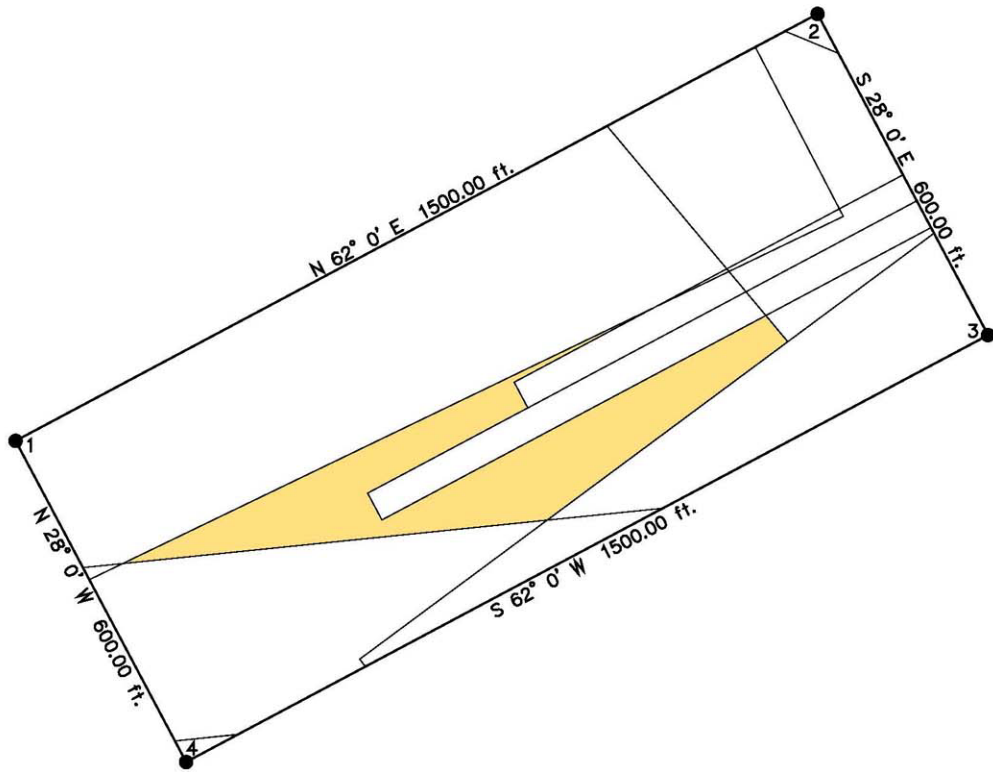


Jeff Scovil photo



**Note:**

Calculated acreage is 0.012 acres short of plated acreage due to errors in the ties in the Mineral Survey Field Notes.



Acreage equals 2.656 acres

# PLAT

Of The Claim Of  
Sweet Home Rhodo, Inc.  
Known As The  
Sweet Home Fraction Lode  
Mineral Survey No. 20507-A

Buckskin Mining District  
Park County, Colorado

Original Survey by  
Gerald F. Galloway

Retracement Survey by  
Clark E. Kooper  
CO PLS #23046

## Explanation

- Corner Found
- Area Belonging to Claim



Scale: 1" = 200'

Date: 4/21/03 Revision 0 by C. E. Kooper



SWEET HOME FRACTION LODE.

Beginning at Cor. No. 1 of the Sweet Home Fraction Lode, where I -

Set a granite stone, 24x8x7 ins., 12 ins. in the ground, with a mound of stone, for Cor. No. 1, mkd. 1-SHF-20507 A; from which

The NW. cor. sec. 33, T. 8 S., R. 78 W.,  
6th Prin. Mer., bears N. 19° 40' W., 1956.43  
ft. dist.; previously described.

Cor. No. 4 Sur. No. 8411 Highland Mary lode  
bears S. 45° 33' W., 121.21 ft. dist.

Cor. No. 1 Sur. No. 107 Pulaski lode bears  
S. 81° 35' E., 587.94 ft. dist.

A spruce tree, 8 ins. diam., bears N. 54° 30'  
E., 37.7 ft. dist.; mkd. BT-1-SHF-20507 A.







T14B

7.95

90° L&BS

N 62° E

37.7 98 20 " N 54 1/2 E 8" Sp. B.T.  
 +18 to bank of Creek abt 150 200 wide + bot to C.C.  
 10 34 L N 29 W - Democrat

(17) 29  
 SW Fraction  
 9120 x 187  
 78°

"

"

115.3 72 39 R&BS S 44 W 3° 34' 4" / 84 11 ok

115.07

S 44° 39' W. 3° 36'