



CONTACT INFORMATION  
Mining Records Curator  
Arizona Geological Survey  
416 W. Congress St., Suite 100  
Tucson, Arizona 85701  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the Grover Heinrichs Mining Collection

#### **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

#### **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

#### **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

Lemhi Co., Idaho

File. Idaho,  
Gibbonsville  
Property

Salmon, Idaho.

Aug 9, 1972

Mr. Paul Eimer:

Essey International Inc

1704 West Grant Rd.

Tucson, Ariz. 85705.

SXM

AUG 9 1972

RECEIVED

Dear Mr. Eimer,

First of all I want to thank you for answering my letter, My Gibbonsville property is located 1/8 of a mile from hi way 93, will send a map, plus a report of the Forest Service,

Had a Geologist write a letter also, There are 9 claims but I can stake more across the hi way, That also have Gabbro,

I love these claims to Rosaria Exploration on a percent of the Company. They were going to form, or will sell.

Mr Eimon, I also have an option on some other Copper.

This property is south of Salmer on the Lankhi. have it mark on the map also, 36 Claims, most of them are on private property. It has real good oxide minerals in dozen cuts, you can trace it for a lease a mile. when there are dozen cuts, there is an old tunnel with real good oxide and sulfida showing for at lease 600 ft, the vein will run from 1ft to 2 ft wide, have had this assay and it runs from 17 percent to 26 percent with gold & Silver.

There is enough good copper properties in this area to justify. a real big leaching plant, like the one Deval has been working on in Tucson.

If you are interest in

Coming in are send someone else  
in I will be glad to pick  
them up in Butte mont or Idaho  
Falls, Idaho, airport, so there will  
be no need to drive here.

I know your trip will  
not be wasted, will close now  
hoping to hear from you real  
soon.

Very truly yours.

Bob Pickering.

P.S. will give you two phone  
number if you should want to  
call.

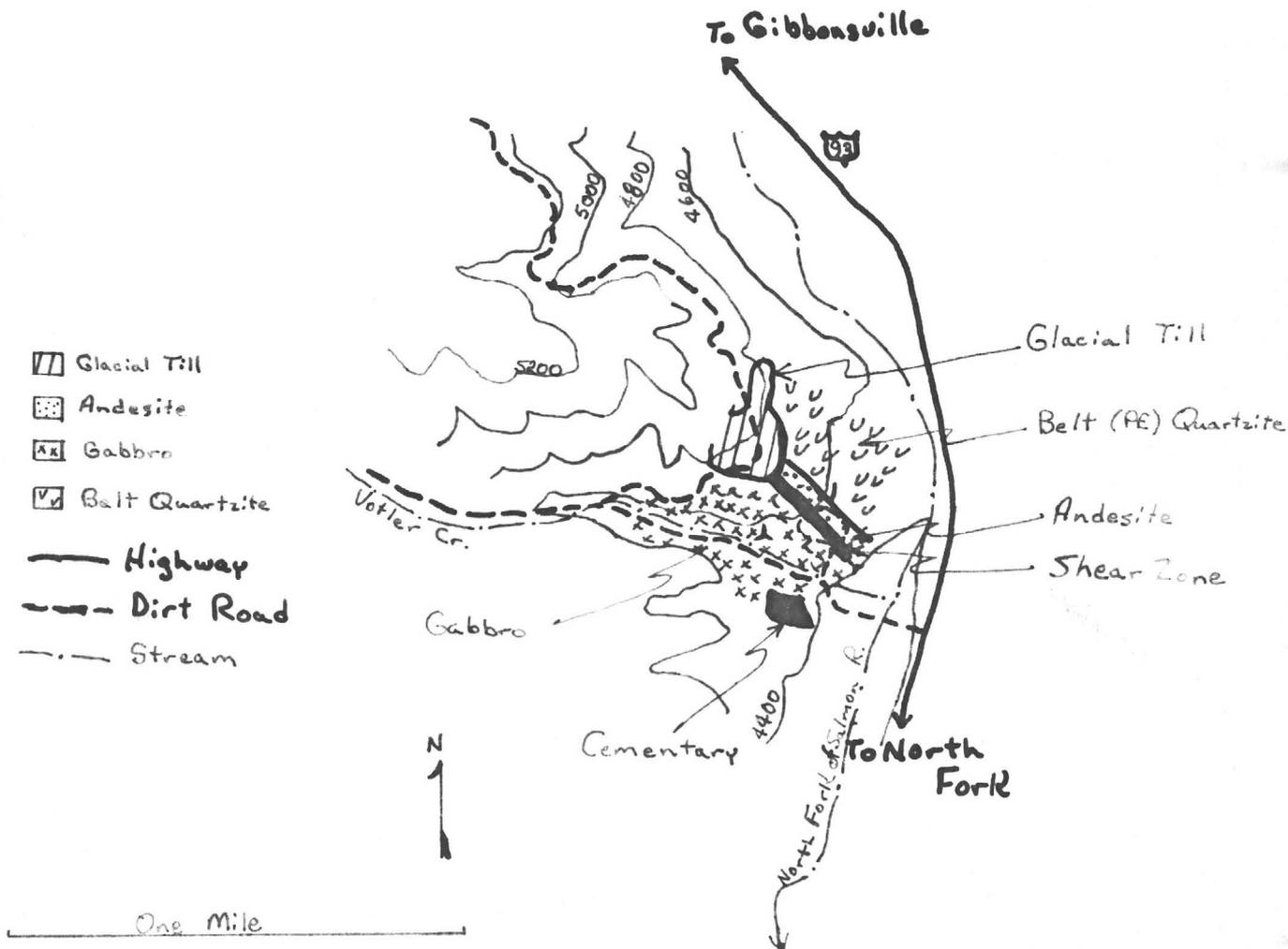
(208) 756-2361

- 756 3643.

I will be out of town  
until Friday nite aug. 11.

## North Star Quartz Claims

Mineralization of sulfides appears to be associated with the shear zone (fault?) and occurs in brecciated gabbro and andesite. The dominant sulfides are pyrite, chalcopyrite and bornite. The shear zone appears to be about 150ft wide and of unknown length since it is buried by glacial till. This zone generally trends N48W. North of this shear zone one finds about 120 ft of andesite, which in turn is bordered by Belt quartzite that continues out of the claims. Gabbroic rocks are found south of the above mentioned shear zone and they continue out of the claimed area.



W. W. Lilley

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

SAWTOOTH NF

REPLY TO: 2310 Mining Claims

February 15, 1972

SUBJECT: Salmon N.F. - Robert L. Pickering - North Star Group  
of Nine Lode Claims



TO: Regional Forester  
Attn: Bill Johnson

Examination of the North Star group of lode claims was made August 25, 1971, in company with the claimant, Robert L. Pickering; Bill Wakefield, Forester, Salmon National Forest; and William Jensen, Assistant Ranger, North Fork Ranger District.

The examination was made at the request of the Supervisor's Office, Salmon National Forest, to determine the validity of the claims on which the claimant had constructed access roads and large bulldozer cuts.

The claimant first showed us an 8 foot wide vein containing oxide copper minerals exposed in a large bulldozer cut on the North Star No. 6 claim. This vein strikes east and west and has a vertical dip. Sample No. 105 was taken across the vein in the bulldozer cut.

Sample No. 106 was taken from a 3 foot wide vein in an open cut on the North Star No. 7 claim. This vein parallels the one on the North Star No. 6 claim. Copper minerals exposed in this cut were the sulfide minerals bornite and chalcopyrite and the oxide minerals malachite and azurite. We next visited a diamond drill station on the western end of the North Star No. 1 claim where a 15 inch wide quartz vein in andesite was exposed. No samples were taken from this vein exposure. We next visited an old adit driven on the vein on the eastern end of the North Star No. 1 claim. There were several tons of high-grade copper ore piled near the adit dump. No sample was taken from the dump.

There is a Forest Service gravel pit on the North Star No. 9 claim and a cemetery on the North Star No. 8 claim. The claimant has leased the group of claims to Rasario Mining Company of New York City who drilled one deep diamond drill hole during the past field season and plan to do further drilling during the 1972 field season.

The two samples were sent to Union Assay Office, Inc. of Salt Lake City, Utah, with instructions they be assayed for gold, silver and copper. Sample No. 105 assayed 0.07 oz. gold per ton, 1.5 oz. silver per ton, and 1.198 percent copper for a value of \$17.17 per ton.

Sample No. 106 assayed a trace of gold, 0.2 oz. silver per ton and 2.58 percent copper for a value of \$26.08 per ton.

2

This property is still a prospect and needs further extensive exploration drilling to determine its potential.

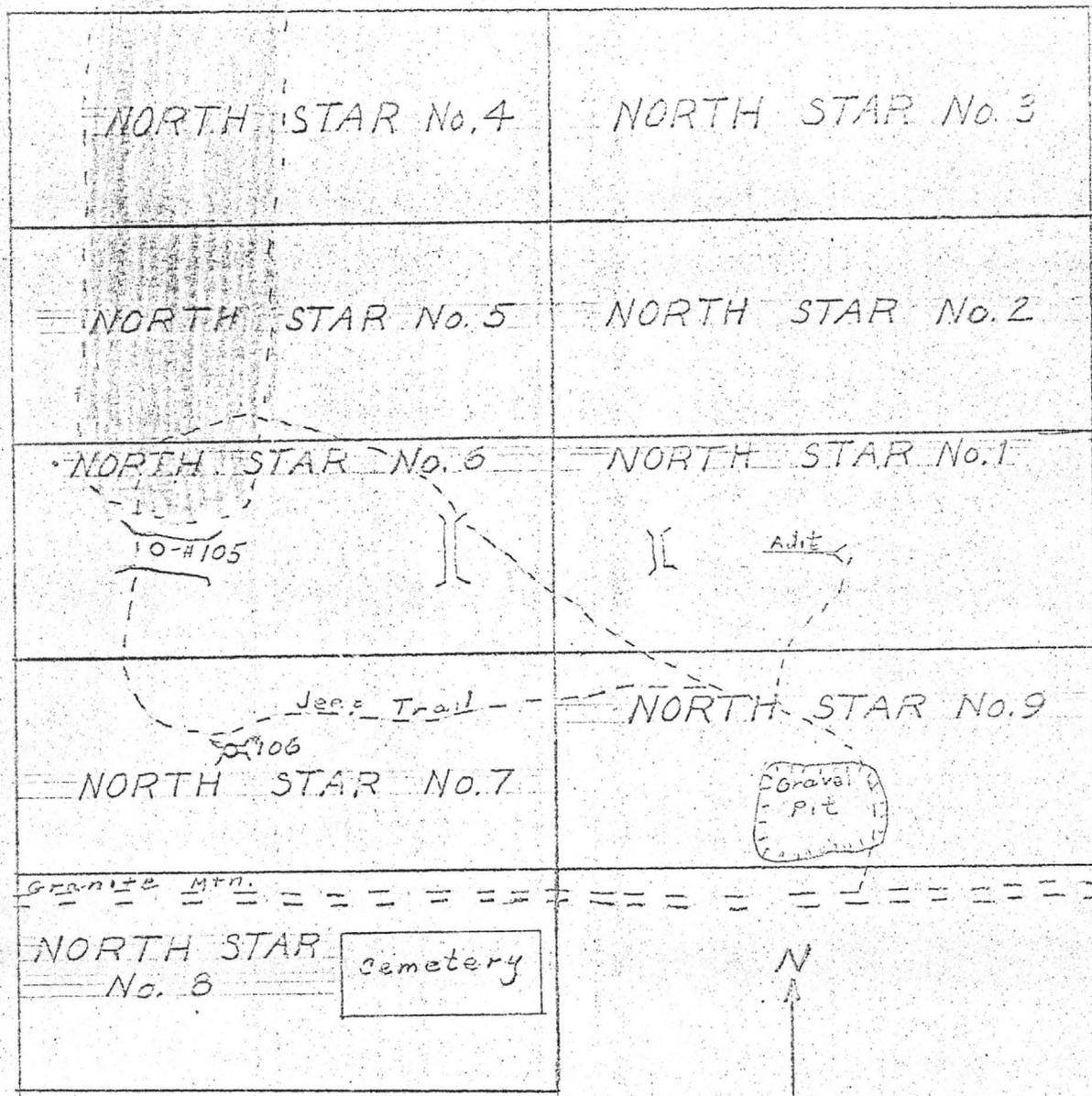
Vernon T. Dow

**VERNON T. DOW**  
Mining Engineer

**Attachments**



Vein exposed in bulldozer cut  
on western end of North Star No. 6 claim.



SALMON NATIONAL FOREST

North Star Lode Claims - Robert L. Pickering - Owner  
 Secs. 35 & 36, T. 26 N., R. 20 E., Boise Mer., Gibbonsville Mining  
 District, Lemhi County, Idaho. Placed Area -   
 1" = 500'

2-11-1972

V. Dow

COPY

COMPAÑIA DE REAL DEL MONTE Y PACHUCA  
PACHUCA, Hgo., MEXICO

See Ledger  
USGS P 27  
p. 90

FOR \_\_\_\_\_

A Complicated Fault System.  
H.C. Bacorn, EMJ 2-16-05

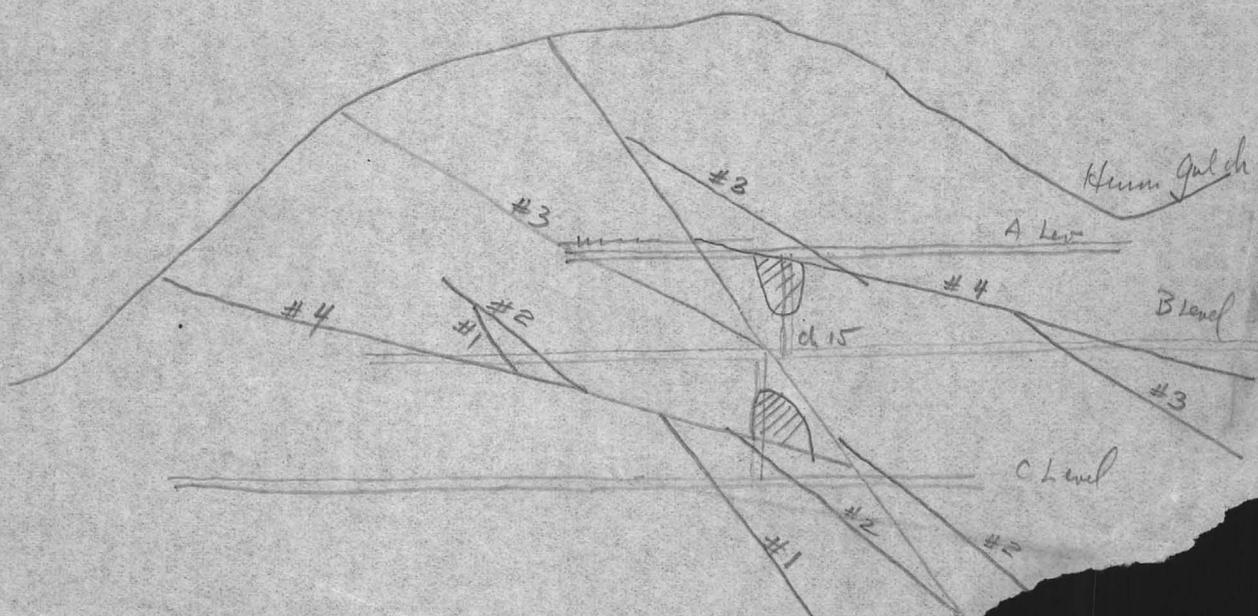
A.D. & M. Mines, Gibbonsville, Idaho.

Country rk clay slate; parallel veins strike N70W, dip 80N cut slate beds perp. to their strike and parallel to their dip. These veins displaced by numerous post-mineral faults, both normal and reverse, some follow, some cut thru slate bedding planes. General strike of these is N-S, or approximately parallel to the strike of the slate and perp to veins.

In Huron mine, faults except one are reverse. Beside those of great displacement shown on sec., many "check" faults due to movement along main faults. Combined displacement had to be considered. Most of movement upward, not sidewise. Ave throw to N, not shown on sec. = 15'.

Ore occurred in irregular bunches in the vein, 1-3' wide. Impossible to correlate surely bunches of ore found above and below the faults. As good stopes of ore had been cut off by these faults, and tho the vein could be found by simply cross-cutting N, it was necessary to learn amount of upthrust to find good ore above faults. This was done by correlating the faults cut by later faults, as the different portions of the same flt could be recognized by their lateral displacement, dip, etc. Platting flts as shown by workings soon showed relative age. As No 5 fault cut all others it is latest. All of country E of it was thrown to N 20' and 300' upward on plane of fault. No. 4 fault, older and cut No 3, causing displacement of 16' to N and upthrust of 150', etc.

Faulting of one stope of ore shown. Originally mined from chute 15.



CROSS-JOINTS ON FLANK OF ANTICLINE. REVERSE BEDDING PLANE FAULTS

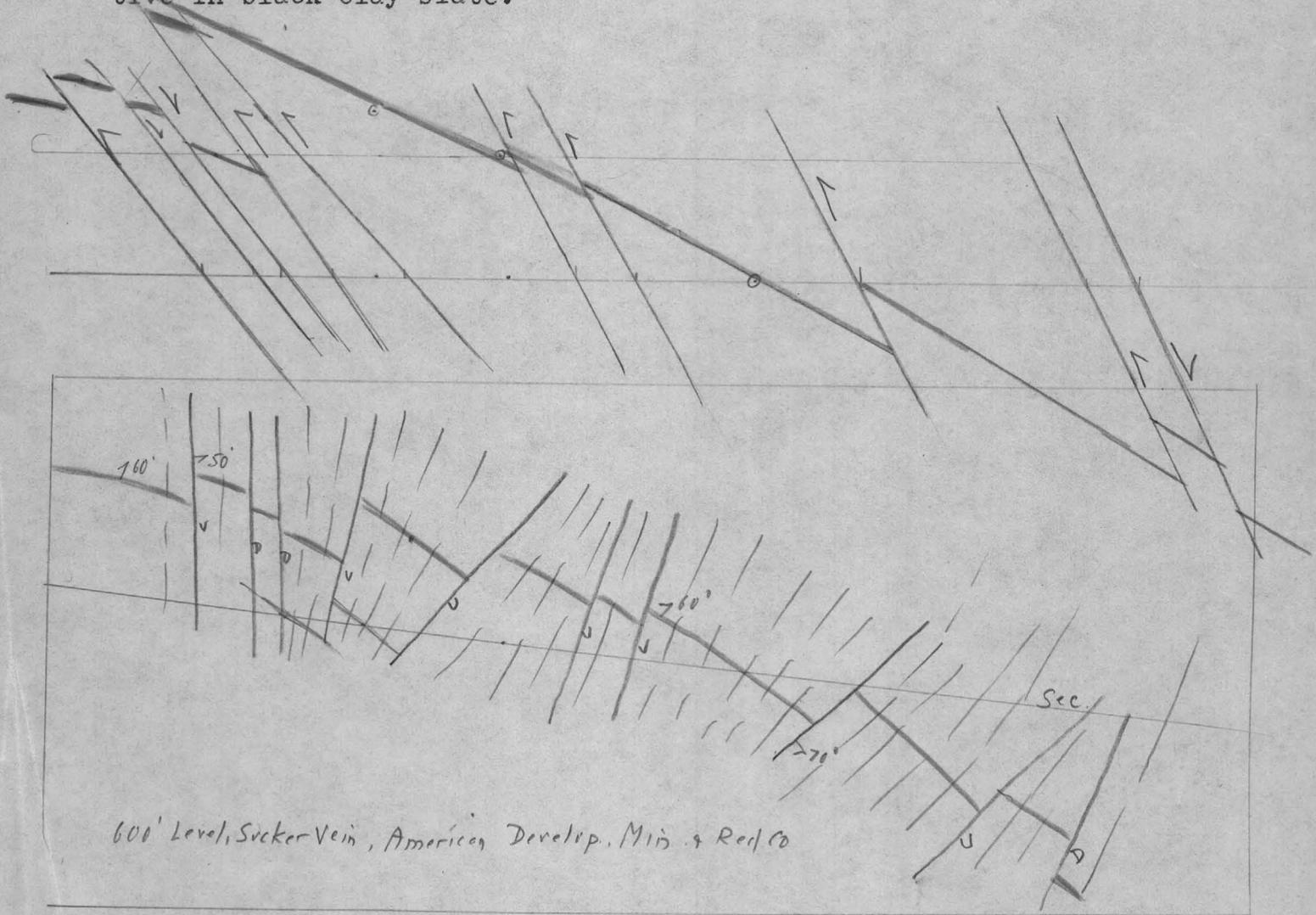
GIBBONSVILLE AU, IDAHO

J.B. Umpleby: Geology and Ore Deposits of Lemhi Co., Idaho. USGS Bull 528, 1913, 127-134.

Algonkian quartzites, qtzitic slates, micaceous slates. N20W, dip 40-70E. Micaceous slates 3/4 of series. Quartzites subordinate. Series all thin-bedded, monotonous sequence of beds.

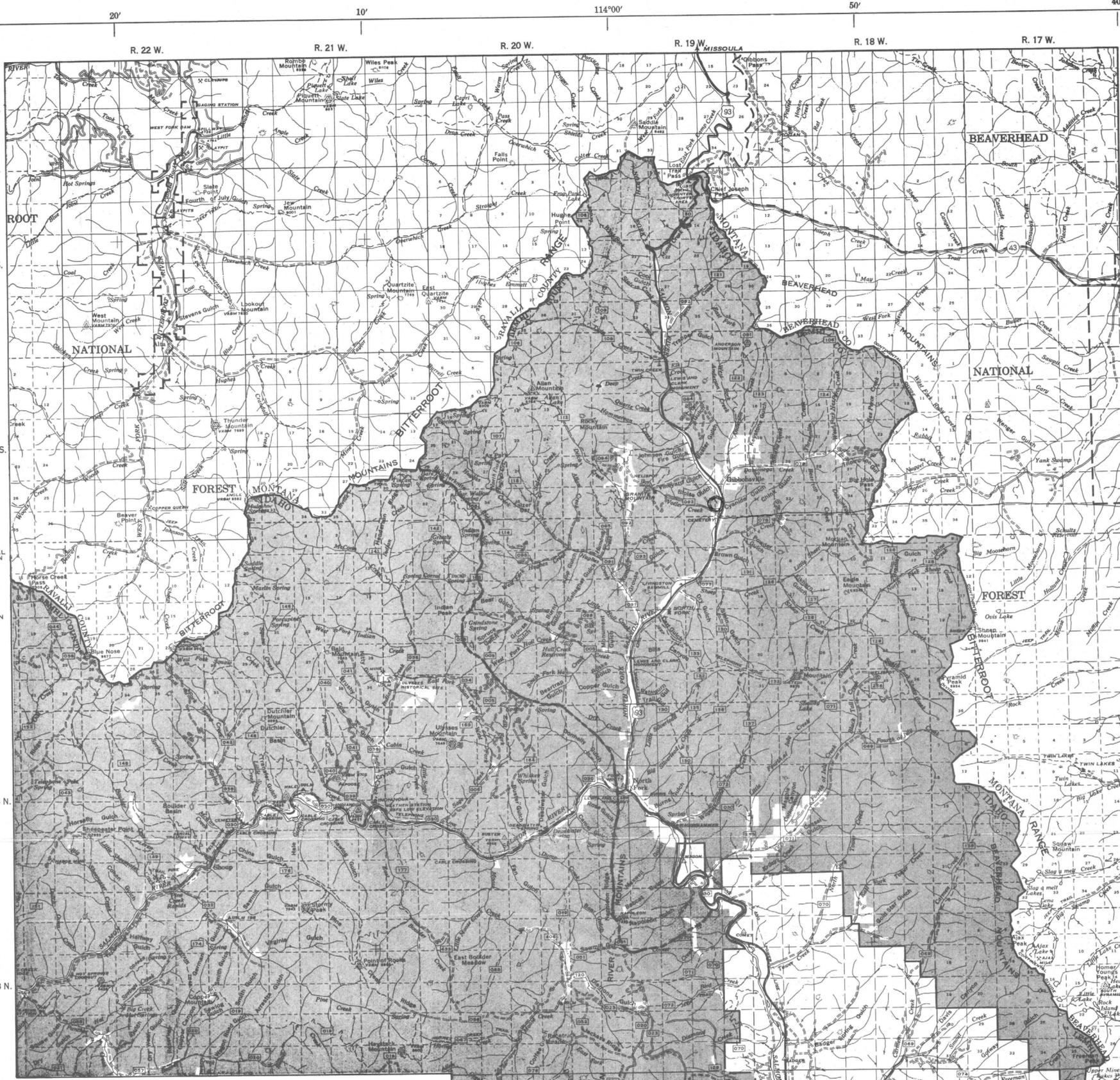
Ore deposits in harrow E-W veins; some dip N, others S, all dips over 70. Ave. less than 1' wide. Gangue coarse clear-white qtz, s.t heavily impregnated with pyrite, as cubes, fg. masses, irreg, blotches with intermixed qtz., and patches of cse crystal aggregates/ Has crude zonal arrangement parallel vein walls. Ccpy-. Gold goes with py.

Ore in shoots pitching east with dip of beds. Given vein crossing several types of sed. is barren in diorite sill (basic), poor in the qtzite, productive in black clay slate.



Note swing in strike of vein, keeping perp. to strike of swinging beds. Cross-joints on anticline which does not plunge indicate tangential pressure, also suggested by reverse bed faults. Gibbonsville near SW tip large T1 E of Idaho batho. Possibly shove SW from this batho.

Seems to be regional NE of E jointing, roughly perp. to beds, that was mineralized, thruout much of Lemho Co.

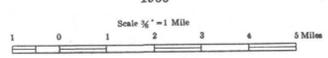


U.S. DEPARTMENT OF AGRICULTURE  
 FOREST SERVICE  
 EDWARD P. CLIFF, CHIEF

## NORTHFORK RANGER DISTRICT

### D-2

SALMON NATIONAL FOREST  
 IDAHO  
 BOISE MERIDIAN  
 1966



- LEGEND**
- Ranger District Boundary
  - National Forest Boundary
  - Adjacent National Forest Boundary
  - County Boundary Line
  - Primitive Area Boundary
  - Forest Supervisors Headquarters
  - ▲ District Ranger Station
  - ▲ Forest Service Station
  - National Forest Land
  - Paved Road
  - All Weather Road
  - Dirt Road
  - Primitive Road
  - Trail
  - ▲ Recreation Site
  - ▲ Recreation Site, other than Forest Service
  - ▲ House, Cabin, or Other Building

*9 Clovis*

*36 Clovis  
 8 miles  
 from  
 Hi Way*