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U.S. v. ASARCO

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Document Date: 2/19/52

Document Title: RE: DOCKET DMA-1822X (COPPER) HANSY COPPER & GOLD MINES SHOSHONA COUNTY, IDAHO

Document Author: S.W. Hobbs.

Original Document Attached: Y (N)

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Reviewer: C. PALUT.

STATUTORY PRIVILEGE OF CONFIDENTIAL BUSINESS & PROPRIETARY INFO

So. 157 Howard Street
Spokane 4, Washington

February 19, 1952

Mr. Frank E. Johnson,
Chairman, Operating Committee
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Docket DMA-1822X (Copper)
Hansy Copper & Gold Mines
Shoshone County, Idaho

Dear Mr. Johnson:

For the most part we agree with your evaluation of the Hansy Copper & Gold Mines property in the sense that there is no very definite target at which the proposed work is aimed. The surface exposures are not too good, although the structure on which the mine is situated apparently is continuous for some distance. The strength of the structure, plus its location in a province of predominate copper mineralization, and the presence of lenses of copper ore containing several percent Cu were the predominate factors in our approval of a project.

Admittedly the Avery-Adair area has not produced any large amount of copper, and the main production that has been made came from oxide ores. However, interest of larger companies in the general area is reviving. The Day Mines Company now owns the Richmond and Monitor, and they have plans to reopen and rehabilitate a 15,000 foot low-level cross-cut that cuts these two veins at depth. We have no reason to believe that they have other than the most general plans for the area--essentially a look at the geology and structures as a first step in some possible future work.

Our decision on the Hansy property was based on such local consideration as the above. It is one of those border-line cases where a final decision should be based on the general national picture. Should the copper situation be very critical--the general Adair area may be a potential source of supply--but it is still all in the exploration stage of development.

Sincerely yours,

S. W. Hobbs
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

c.c. USBM

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File Owner: N. EADES.

File Location: DOI - SOL, WASH DC

Document Date: 99999999

Document Title: MEMO RE: HANSY COPPER & GOLD MINES, INC.

Document Author: S.W. Hobbs

Original Document Attached: Y (N)

If not attached, Original Document Current Location
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Type of Privilege:

ACC WP (CBI) DP (PI) Other

Reviewer: C Palut,

STATUTORY PRIVILEGE OF CONFIDENTIAL BUSINESS & PROPRIETARY INFO

Memorandum

To: A. E. Weissenborn, Executive Officer, D.M.A. Region II

From: S. Warren Hobbs

Subject: Hansy Copper and Gold Mines, Inc.

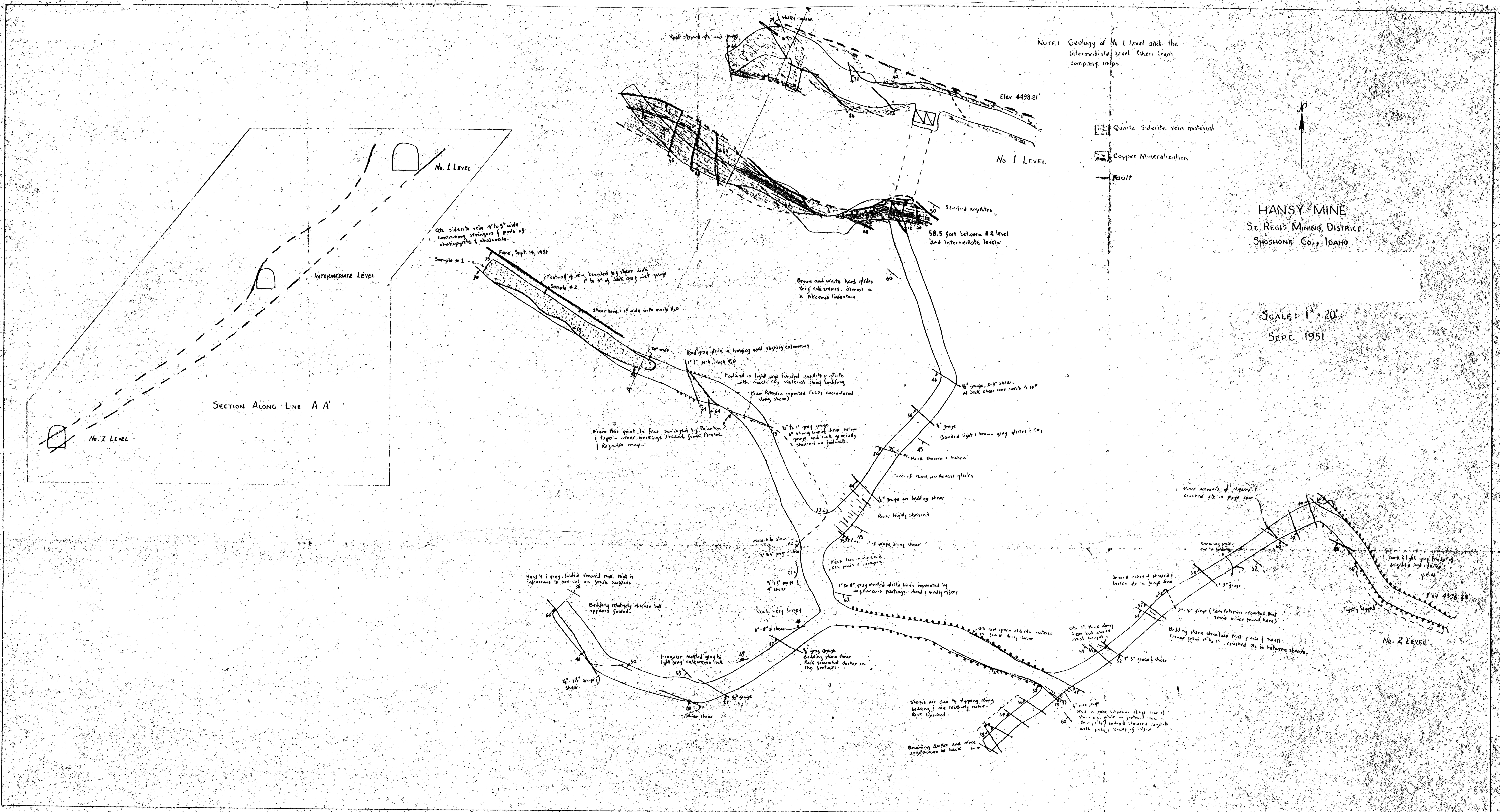
The application for an exploration loan for the Hansy Copper and Gold Mines, Inc. has been reviewed and the property examined. The attached map of the underground workings has been prepared, and is found to check very well the maps of others that were prepared during previous examinations.

We find the analysis of the property as set forth in the report by Preston and Reynolds that accompanies the application to be fairly sound. The mine is an essentially unproved area, but one in which copper mineralization is quite wide-spread even though sparse. A number of strongly developed carbonate and carbonate-quartz veins, of which the Hansy vein is one, occur in the vicinity and can be traced for considerable distances. About 1 1/2 miles north of the Hansy mine, two of these veins produced some oxide copper ore at the Monitor and Richmond mines in the period preceding 1916. At depth on these properties, the oxide ore gave way to sulfide ore that proved to be uneconomic at the then prevailing prices.

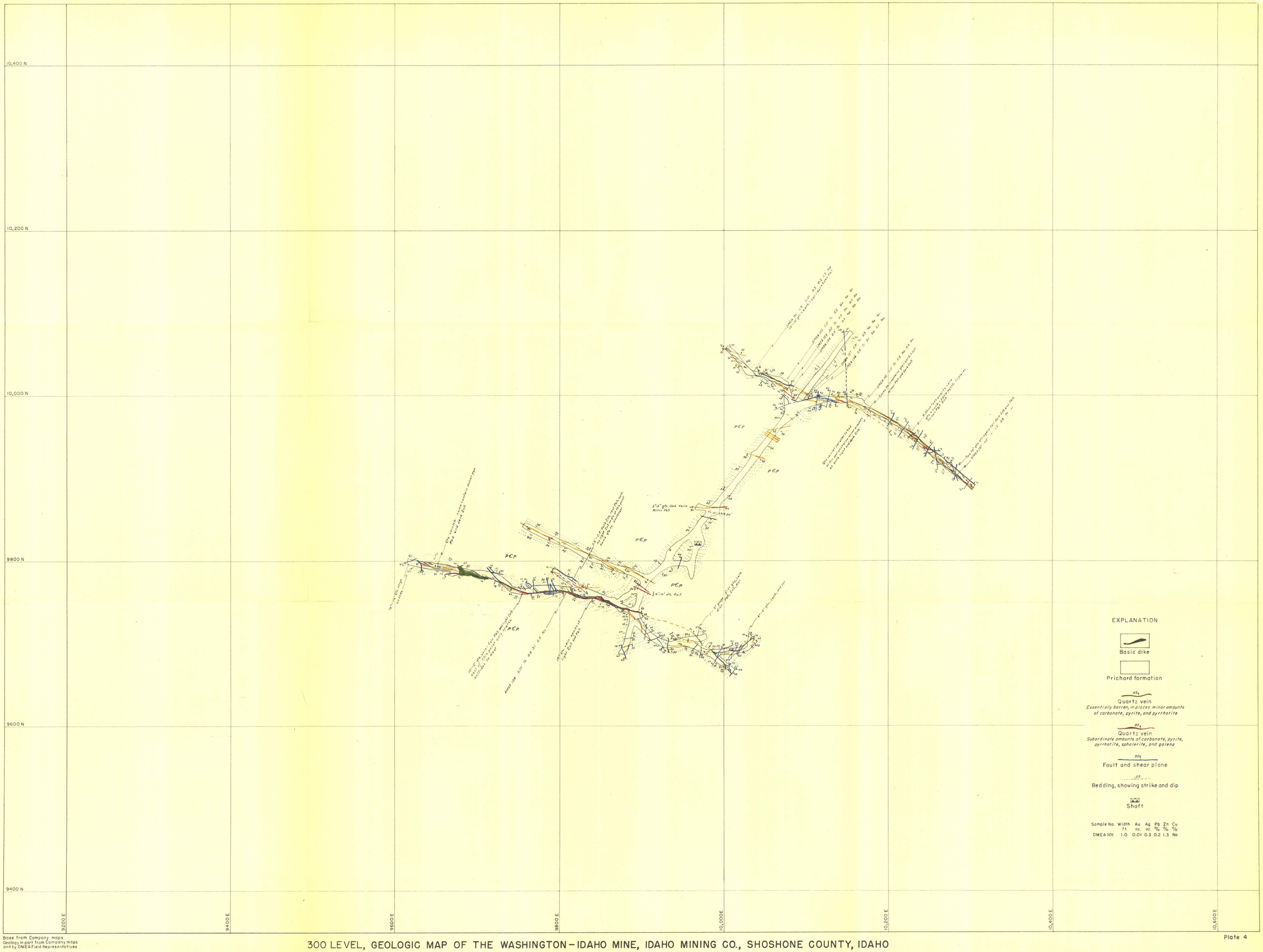
The workings at the Hansy mine have substantiated the existence of a prominent structure and have opened a small narrow shoot of copper ore of commercial grade on the two upper levels. The most recent work on the lower or number three level has found what may be a downward extension of this same zone.

In view of the prominence of the structure, and the proven existence of commercial copper mineralization in small amounts, we recommend the granting of a modest exploration loan to test more fully the length, thickness and grade of the present mineral showings, and to determine whether other shoots of ore might occur in the vein structure at sufficiently close intervals to make their exploitation economically feasible. We feel that an exploration program can be worked out to test adequately the structure for an expenditure of approximately $30,000.

An evaluation of facilities and equipment and the competency of the operators cannot be made until forms MF-100 and MF-103 are more fully completed.



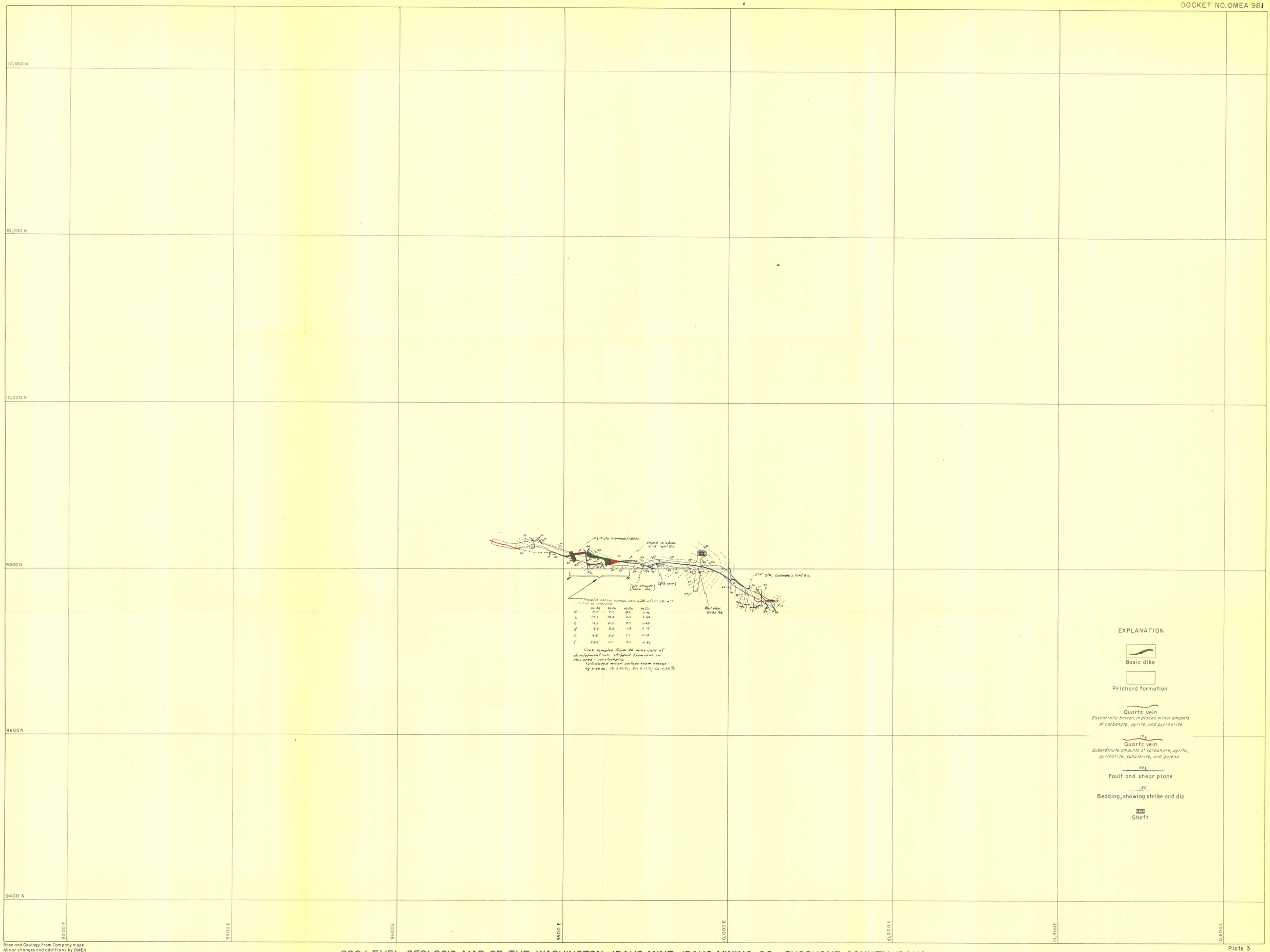
HANSY MINE
St. Regis Mining District
Shoshone Co., Idaho
Scale: 1" = 20'
Sept. 1951
Note: Geology of No 1 level and the intermediate level taken from company maps.
Quartz Siderite vein material
Copper Mineralization
Fault
No 1 Level
Elev 4498.81'
No. 2 Level
Elev 4396.28'
Section Along Line A A'
No. 1 Level
Intermediate Level
No. 2 Level
Rust stained qtz and gouge
Water course
Silicified argillites
58.5 feet between #2 level and intermediate level.
Qtz-siderite vein 4' to 5' wide containing stringers & pods of chalcopyrite & chalcocite.
Face, Sept. 14, 1951
Sample #1
Footwall of vein bounded by shear with 1" to 3" of dark gray wet gouge
Sample #2
Shear zone 1-2" wide with much H_2O
20" wide
Hard gray qtzite in hanging wall slightly calcareous
1"-2" gash, much H_2O
Footwall is light and banded argillite & qtzite with much CO_3 material along bedding
(Sam Peterson reported $FeCO_3$ encountered along shear)
From this point to face surveyed by Brunton & tape - other workings traced from Preston & Reynolds map.
½" to 1" gray gouge
6" strong zone of shear below gouge and rock generally sheared on footwall.
Brown and white hard qtzites very calcareous. almost a a siliceous limestone
½" gouge, 2-3" shear - at back shear zone swells to 10"
½" gouge
Banded light & brown gray qtzites & CO_3
Rock sheared & broken
Zone of hard, unsheared qtzites
½" gouge on bedding shear
Rock highly sheared
1" of gouge along shear
Malachite stain
2" to 6" gouge & shear
½" to 1" gouge & 4" shear
Rock very limey
6"-8" of shear
1" to 8" gray mottled qtzite beds separated by argillaceous partings - Hard & mildly effery
Hard lt & gray, folded sheared rock that is calcareous to non-cal. on fresh surfaces
Bedding relatively obscure but appears folded.
⅛"-1½" gouge
Shear
Irregular mottled gray to light gray calcareous rock
½" gray gouge
Bedding plane shear
Rock somewhat darker on the footwall
½" gouge
Minor shear
Shears are due to slipping along bedding & are relatively minor.
Rock bleached.
Becoming darker and more argillaceous at back
½" gray gouge
Minor amounts of sheared & crushed qtz in gouge zone
Shearing prob. due to folding
Several inches of sheared & broken qtz in gouge zone
2"-3" gouge
2"-10" gouge (Sam Peterson reported that some silver found here)
Bedding plane structure that pinch & swells. Gouge from 1" to 1' Crushed qtz in between shears.
1" 5" gouge & shear
Dark & light gray bands of argillite and qtzites
pEw
Tightly lagged



Base from Company maps
Geology in part from Company maps and by DMEA Field Representatives

300 LEVEL, GEOLOGIC MAP OF THE WASHINGTON-IDAHO MINE, IDAHO MINING CO., SHOSHONE COUNTY, IDAHO

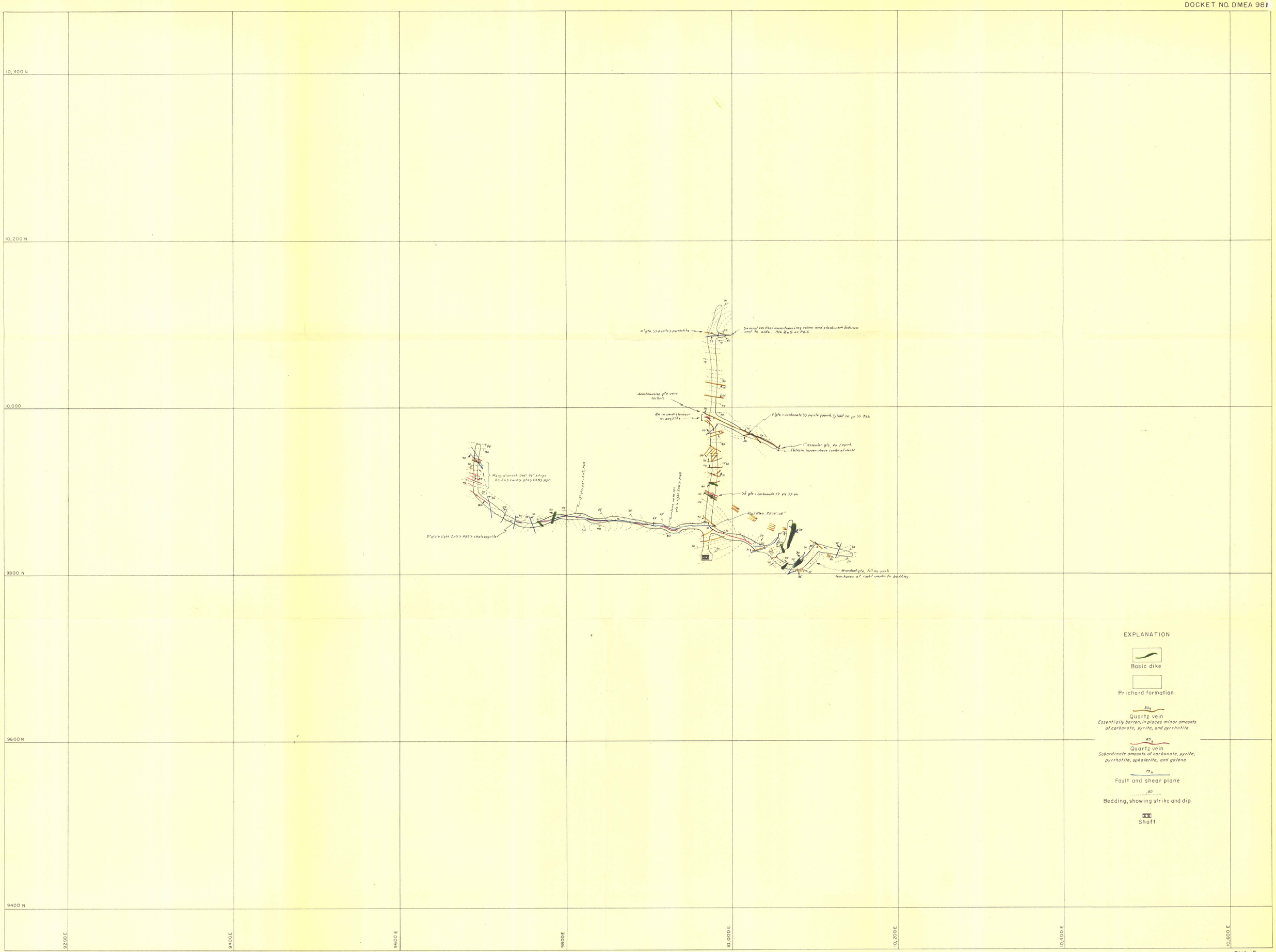
1" = 50'



Base and Geology from Company maps
Minor changes and additions by DMEA
Field Representatives

200 LEVEL, GEOLOGIC MAP OF THE WASHINGTON-IDAHO MINE, IDAHO MINING CO, SHOSHONE COUNTY, IDAHO
1"=50'

Plate 3

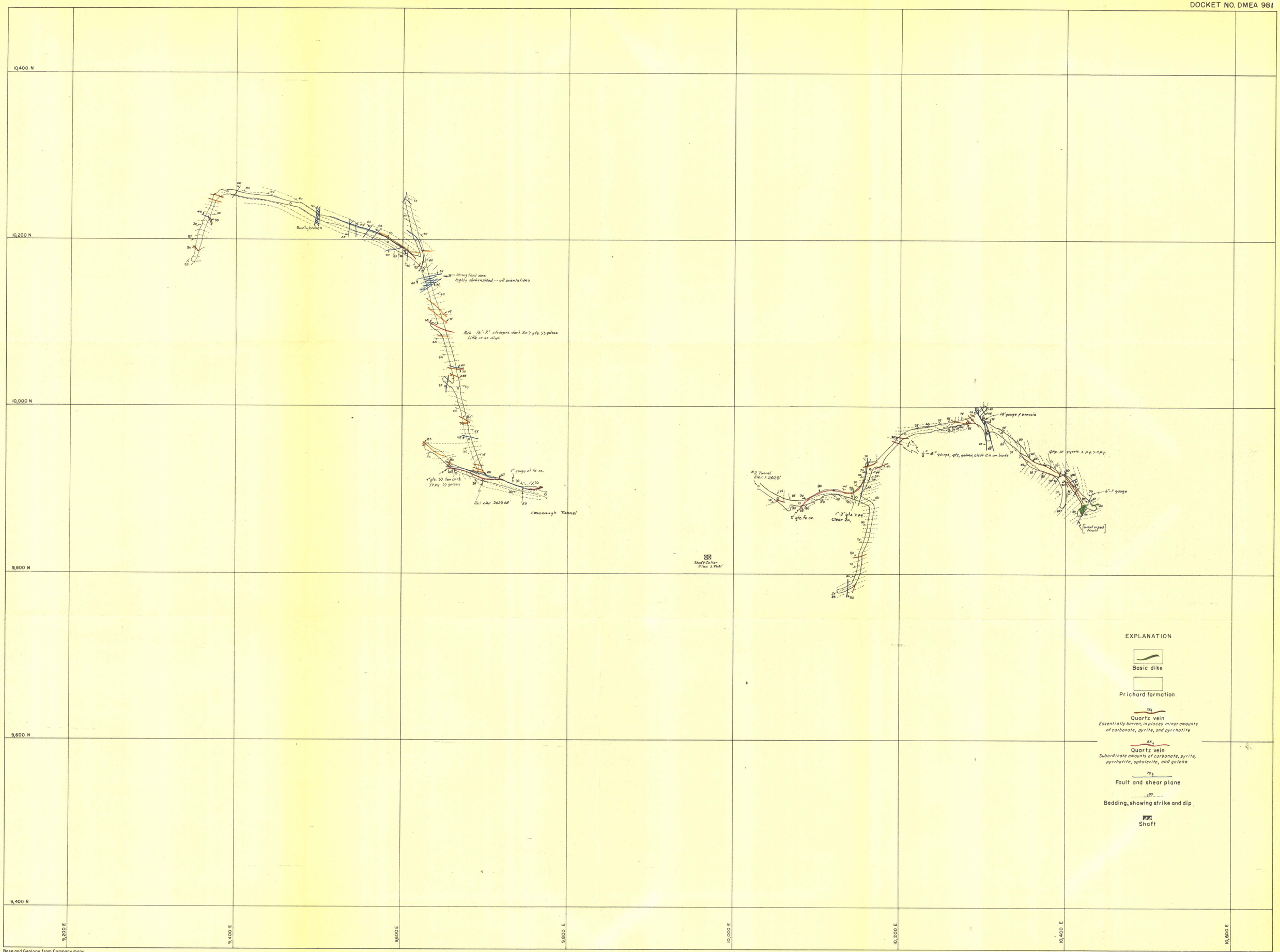


Base and Geology from Company maps
Minor changes and additions by DMEA
Field Representatives

Plate 2

100 LEVEL, GEOLOGIC MAP OF THE WASHINGTON-IDAHO MINE, IDAHO MINING CO., SHOSHONE COUNTY, IDAHO

1"=50'



Base and Geology from Company maps
Minor changes and additions by DMEA
Field Representatives

ADIT LEVEL GEOLOGIC MAP OF THE WASHINGTON-IDAHO MINE, IDAHO MINING CO., SHOSHONE CO., IDAHO

1" = 50'

Plate I