

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

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.

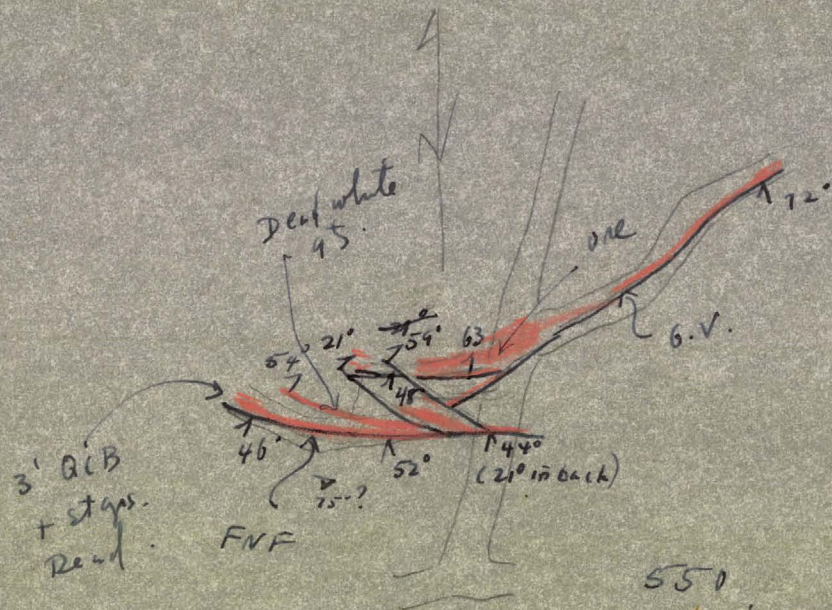
CONSTRAINTS STATEMENT

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.

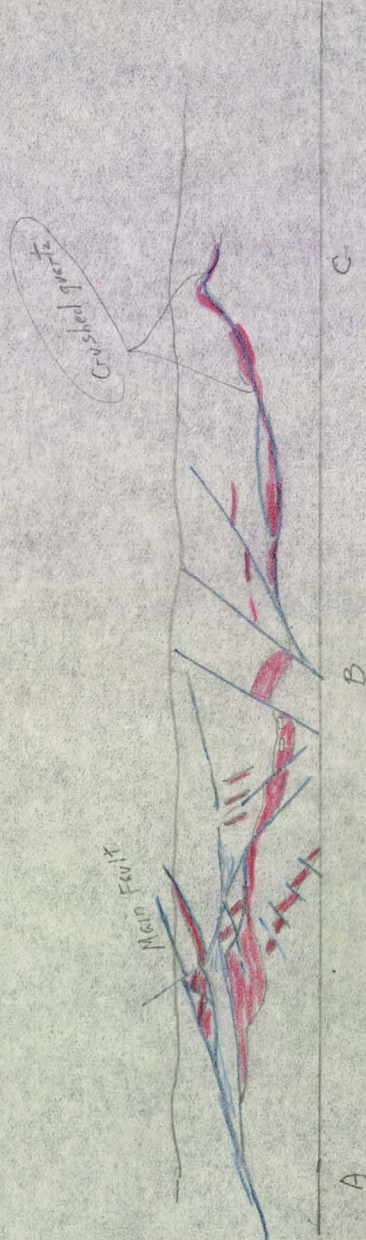
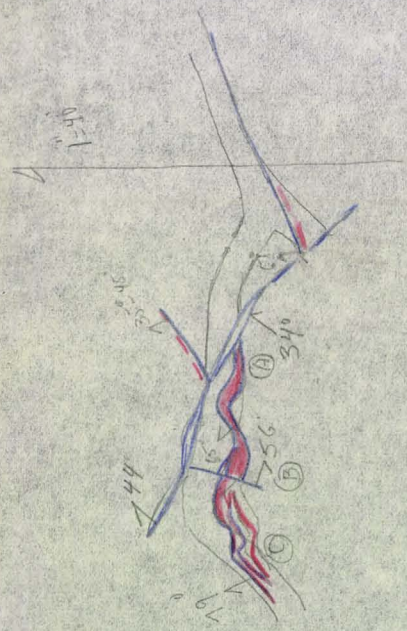
QUALITY STATEMENT

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.



550

1" = 40'



1" = 10'

Contra Estera Mine
 6-200 Intermediate

ATTITUDES OF FORMATIONS AND VEINS.

Solid Angles between Them.

A. Veins unconnected with flat shear planes.

<u>Vein</u>	<u>Att. of Vein</u>	<u>Att. of Formation.</u>	<u>Solid Angle.</u>
Pirame Dolores X-cut	N60°E, 85°NW	N40°W 27°NE (MR)	82°
S. Carlos Por- tal, veins.	N76°E, 85°N	N13°E, 22°E (LR)	86°
As de Oro	N57°E, 75°N	N25°W, 60°E (MR, BB, LR)	90°
S. Juan Zacatera	N75°E, 75°N	N30°W, 56°E (MR, BB, LR; regional strike)	87°
La Puerta	N75°E 90°	N15°W, 46°E (MR or LR)	90°
San Francis- co Vein, Gpe. 8 800.	N28°E, 80°E	N-S, 16°E (BB etc.)	86°

B. Veins Supposedly connected with flat shear planes.

B-1: Solid angles with pyroclastic formations.

Guadalupe, 450 Lev.	N73E, 70N	N2W, 18W (A.T.)	70°
550 "	N75E, 65 N.	N20W, 17W	70°
800 "	N70E, 72N	N70E 27S	89°

B-2: Solid Angles with the Flat Shear Planes/

Guadalupe vein and Flat Normal Fault: about 70°.

" " " Sinaloa fault: 71°

Sinaloa vein and Limoncito fault: 73°

Pilar vein and Sinaloa fault: 82° (May be no faulting on Sinaloa here).

C. Veins of unknown associations.

<u>Vein.</u>	<u>Att. Vein.</u>	<u>Att. Formations.</u>	<u>Solid Angle</u>
Luz y Reyes	N60E, 82N	N17W, 32W (BB etc.)	75°

D. Vein formed by fracturing of Intrusive andesite tack-shaped mass, with transgressive relation to formations.

Candelaria	E-W 65N	N25W30 NE.	56°
------------	---------	------------	-----