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Item 37

Mining District: DONATELLI AND SLEEPY JOE MINES  
(Antimony)

T. 22 N., R. 22 E.  
Washoe County, Nevada  
USGS Spanish Springs Valley 15-min. quadrangle (1957)

#### GENERAL BACKGROUND

The Donatelli and Sleepy Joe Mines are located on the north side of Right Hand Canyon in sections 29 and 30, T. 22 N., R. 22 E. The commodity of interest at these two properties is antimony. In 1940 a ton of ore averaging 29.4 percent antimony was produced from the Donatelli Mine (2). These properties were not examined during this investigation.

#### GEOLOGICAL AND TECHNICAL DATA

The oldest rocks in the vicinity of these properties are metamorphic rocks intruded by Mesozoic granitics. Unconformably overlying the older rocks are Tertiary volcanics and associated sedimentary rocks.

Both mines are reportedly located on quartz veins in the granitic rocks. The ore consists of stibnite and antimony oxides as single crystals, disseminations, and small pods in quartz. Some pyrite, chalcopryrite, and secondary copper minerals are also present at the Sleepy Joe Mine (2). A geologic map of Donatelli and Sleep Joe Mines is included as an attachment.

#### POTENTIAL FOR DEVELOPMENT

Antimony is a strategic material of considerable importance in various military applications. The United States is heavily dependent on foreign imports for domestic consumption.

Since the antimony at these properties is in quartz veins that necessitate highcost underground mining and hand sorting, little if any production will probably occur unless there is a period of very high prices or a national emergency. Future mining operations, if any, will probably be from underground workings. The possibility for other occurrences, perhaps amenable to low-cost mining methods, is not known.

#### COMPANIES AND CLAIMANTS ACTIVE IN AREA

Unknown.

Bennett, Jan. 1973

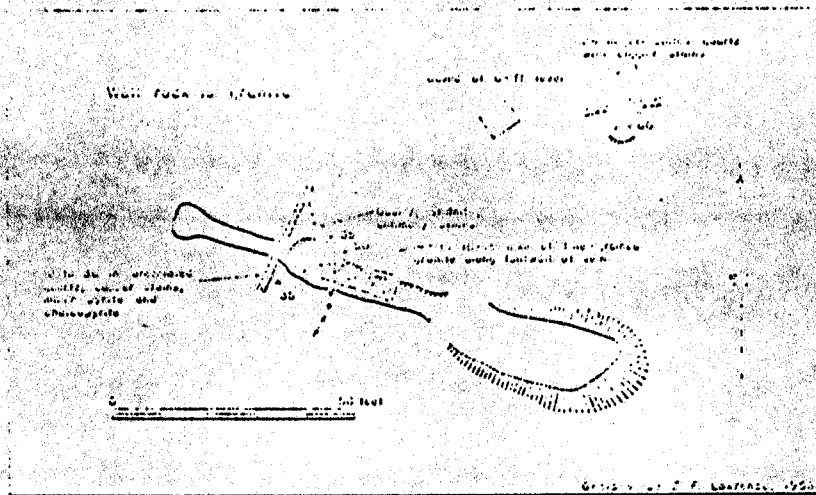
SELECTED REFERENCES

1. Bonham and Papke: Geology and Mineral Resources of Washoe and Storey Counties, Nevada; Nev. Bur. Mines Bull. 70, 1969.  
(Includes Geologic Map of Resource Area)
2. Lawrence: Antimony Deposits of Nevada; Nev. Bur. Mines Bull. 61, 1963.

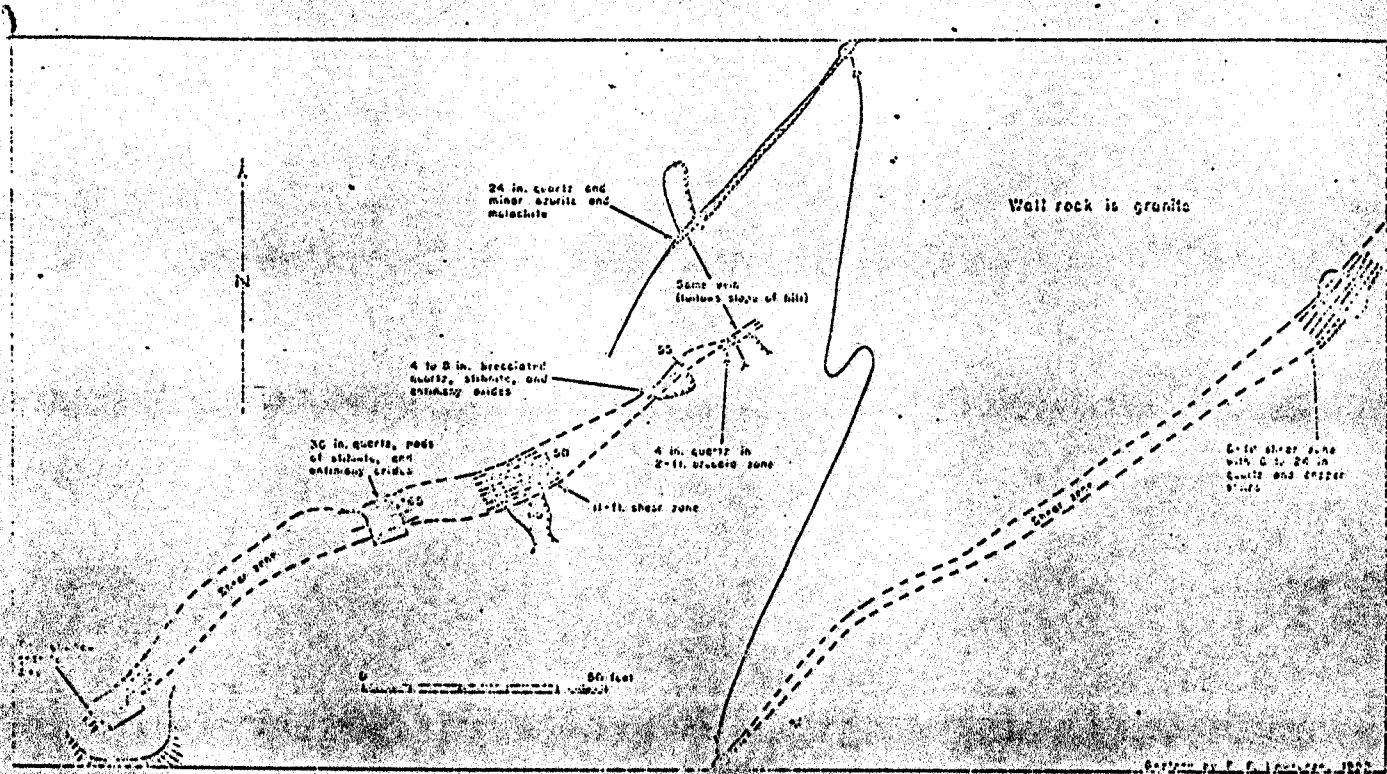
FIELD EXAMINATION

Not examined.

Bennett, Jan. 1973



Geologic map of the Sleepy Joe mine,  
Washoe County, Nevada.



Geologic map of the D. mine, Washoe County, Nevada.



Sleepy Joe Mine  
(Antimony)

Donatelli Mine  
(Antimony)

Petrified Tree Prospect  
(Uranium)

Spanish Springs  
VARN 7404 Peak

USGS Spanish Springs Valley  
15-min. quadrangle (1957)

*Taken from:*

Mineral Resources Inventory and Analysis  
of the  
Pyramid Resource Area

Carson City District  
Nevada and California

by  
R. E. Bennett and H. W. Mallery  
1973

*see (Washoe County-general)  
file for the complete  
introduction to this report  
Item 50*

*Taken from:*

Mineral Resources Inventory and Analysis

of the

Pyramid Resource Area

Carson City District  
Nevada and California

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1973

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