

Mining District: PEPONIS PROSPECT, VARIOUS COPPER PROSPECTS, GOOD LUCK PROSPECT
(Manganese, Copper, Tungsten, Uranium)

Item 36

T. 21-22 N., R. 20-21 E.
Washoe County, Nevada
USGS Sutcliffe 15-min. quadrangle (1957) and Spanish
Springs Valley 15-min. quadrangle (1957)

GENERAL BACKGROUND

Although the commodities occur in the same general area, to facilitate discussion they will be treated separately.

I. Peponis Prospect

The Peponis Prospect is located in NE $\frac{1}{4}$ of section 26, T. 22 N., R. 20 E., approximately 1 mile west of Bacon Rind Flat. Manganese is the commodity of interest at this property. There has probably been no production from the Peponis Prospect and the site was not examined by the writers.

GEOLOGICAL AND TECHNICAL DATA

At the Peponis Prospect ash-flow tuffs of the Hartford Hills Rhyolite unconformably overlie granodiorite of presumably Cretaceous age. Mineralization is reportedly confined to a vein approximately 4 feet wide within a fault zone in the Hartford Hills Rhyolite. The vein trends NNE, dips to the west, and can be traced on the surface for a distance of about 200 feet. The vein consists of manganese oxides, chiefly psilomelane, and breccia fragments from the Hartford Hills Rhyolite (1).

POTENTIAL FOR DEVELOPMENT

Manganese is of considerable importance in the manufacture of steel. The United States is heavily dependent on foreign imports for domestic consumption--mainly because domestic deposits cannot compete effectively with the abundant foreign sources. Therefore, no production from the Peponis Prospect is anticipated unless foreign supplies are cut off during a period of national emergency.

Past workings consist of a moderate-sized open pit. Future workings, if any, would be by underground methods.

COMPANIES AND CLAIMANTS ACTIVE IN AREA

The following claimant has been identified in the area of the Peponis Prospect:

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1. EBONY Group
S. Clark
PO Box 141, Reno
Dec. 1958, Mar. 1959, May 1963
(4 lode claims)

II. Various Copper Prospects

Copper prospects are located in section 12, T. 21 N., R. 20 E., and in the NE $\frac{1}{4}$ of section 10, T. 21 N., R. 20 E. None of these prospects have been examined by the writers, and there has been apparently no production from any of the properties.

GEOLOGICAL AND TECHNICAL DATA

In the copper prospect in section 10, mineralization is reportedly confined to small quartz veins and fracture zones in granitic rock. Galena, pyrite, tetrahedrite, antimony oxides, and secondary copper minerals are present in the prospect (1).

At the copper prospect in section 12, mineralization reportedly occurs in a fault zone between granodiorite and metavolcanic rock. A zone approximately 20-35 feet wide and several thousand feet long has been altered to a quartz-garnet-epidote skarn that contains disseminated chalcopyrite accompanied by secondary copper minerals. Some scheelite is also present (1).

POTENTIAL FOR DEVELOPMENT

The first unnamed copper prospect is probably economically submarginal, both in grade and extent. The second has definite economic potential (2).

Old workings at the unnamed copper prospects consist of numerous prospect pits, several shafts, and adits.

COMPANIES AND CLAIMANTS ACTIVE IN AREA

The following claimants have been identified in the area:

- | | |
|----------------------|------------------------------|
| 1. VALUE Group | 2. COPPER HILL Group |
| L. P. Hepfler | North American-Rockwell Inc. |
| 310 Glen Manor, Reno | (3 lode claims) |
| Apr. 1971 | |
| (15 lode claims) | |

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III. Good Luck Prospect

The Good Luck Uranium Prospect is located in section 3, T. 21 N., R. 20 E. The prospect was probably originally located during the uranium "boom" of the 1950's. The property was not examined by the writers and there has been apparently no production.

GEOLOGICAL AND TECHNICAL DATA

The Good Luck prospect is a breccia zone approximately 300 feet by 100 feet in size. Two samples from the property exceeded 0.03 percent equivalent U_3O_8 , and three other samples averaged 0.03 percent equivalent U_3O_8 (3).

POTENTIAL FOR DEVELOPMENT

At least some ore-grade material exists at the Good Luck Prospect, but it is not known how representative the samples are of the property as a whole. The future potential for uranium production from this property is unknown, but presumably slight.

COMPANIES AND CLAIMANTS ACTIVE IN AREA

The following claimant was identified in the area:

1. GOOD LUCK Group
Victor Perry
Grindle Road, Sparks
(8 lode claims)

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. Mallery: Report of Mineral Examination and Appraisal, Copper Hill Group; 1966 (unpublished); BLM T & R File.
3. US AEC: Reports of Uranium Investigations, 1955 (unpublished).

FIELD EXAMINATION

Not examined.

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