

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland 5, Oregon

## COBALT AND NICKEL OCCURRENCES IN OREGON

### I. Southwestern Oregon Mines Having Indications of Cobalt and Nickel

#### 1. BUNKER HILL GROUP (copper-cobalt)

Agness Area  
Collier Creek District  
Curry County

Location: Sec. 207, T. 37 S., R. 12 W., 6 claims on and northwest of Bunker Hill and about 1 mile west of Collier Butte.

General: Shear zone deposits in serpentine. Metallic minerals noted were magnetite, pyrrhotite, various copper minerals, and erythrite (arsenate of cobalt). No assays for cobalt.

References: Bulletin 14-C, Vol. 1, p. 50  
Parks and Swartley 1916:47

#### 2. BONANZA KING GROUP (copper-cobalt?)

Agness Area  
Collier Creek District  
Curry County

Location: Sec. 1, T. 37 S., R. 12 W., north of Collier Creek, about 3 miles air line west of Collier Bar on the Illinois River. Three claims.

General: Boulder and shear zone deposits in serpentine. Vein minerals include chalcocite, cuprite, native copper, malachite, azurite, erythrite, and magnetite. Assays of specimens of ores from this locality by R. G. Bassett at Grants Pass office did not return any cobalt (See RCT unpublished report).

References: Butler and Mitchell 1916:99  
RCT - unpublished report, 1942  
Bulletin 14-C, Vol. 1, p. 50

#### 3. COBALT GROUP (gold, silver, cobalt)

Illinois River Area  
Josephine County

Location: Sec. 19, T. 36 S., R. 10 W., near Bald Mountain.

General: Country rock is serpentine. Sulphides mainly pyrite. Butler and Mitchell (1916:100) state that independent examinations showed that the ore ran on an average about \$10 a ton in gold and silver, and that other elements, including copper and cobalt, brought the total to between \$15 and \$16 a ton.

References: Butler and Mitchell 1916:100  
Parks and Swartley 1916:57  
Bulletin 14-C, Vol. 11, Sec. 1, pp. 125-26



4. SEMON NICKEL (Shamrock Claim)

Gold Hill Area  
Jackson County

Location: Sec. 20, T. 34 S., R. 2 W.

Samples as per SIR form analyzed as follows:

	<u>Ni</u>	<u>Co</u>	<u>Cu</u>
IG 141 . . .	2.25	0.28	0.70
IG 111 . . .	1.60	.07	1.10
IG 112 . . .	1.88	.17	1.70
IG 113 . . .	2.19	.12	0.50
IG 86 . . .	3.06	.10	0.60

References: Mine report file, Josephine County

5. COWBOY MINE

Waldo Area  
Josephine County

Location: NE $\frac{1}{2}$  sec. 11, T. 44 S., R. 8 W.

General: Hypogene minerals included cobaltite, chalcopyrite, cubanite, sphalerite, and pyrrhotite. No assays for cobalt. No assays for cobalt or nickel.

References: Bulletin 14-C, Vol. 11, sec. 1, pp. 136-190

II. Northeastern Oregon Mines Having Indications of Cobalt

1. STANDARD MINE:

Quartzburg Area  
Grant County

Location: Sec. 12, T. 12 S., R. 33 E. About 7 miles from Prairie City on East Fork of Dixie Creek.

General: Opened about 1880. Small production of chalcopyrite-gold ore, mostly from 1900 to 1907. Underground workings total over 4000 feet. Ore minerals are: pyrite, chalcopyrite, arsenopyrite, cobaltite, galena, sphalerite, and other minor minerals. Erytherite and some jarosite found in lowest drift. Analysis of a sample by the Department of Geology gave:

Co . . . . .	3.44%
Cu . . . . .	4.20%
Ag . . . . .	0.73 oz.
Au . . . . .	1.20 oz.

References: Lindgren, Gold belt of the Blue Mts. of Oregon; USGS Ann. Rept., Part 2, 1901.  
Gilluly, Reed & Park, Some Mining districts of eastern Oregon; USGS Bull. 846-A, 1933.

2. COPPEROPOLIS MINE

Quartzburg Area  
Grant County

Location: Sec. 6, T. 12 S., R. 34 E. Eight miles by road from  
Prairie City.

General: Small amounts of tetrahedrite, bornite, cobaltite, galena,  
sphalerite, and hematite reported. No analyses available.

Reference: Gilluly, Reed & Park 33:100-101



Cobalt

June 11, 1959

Mr. H. F. Stevens, President  
Cobalt Gold Mines, Inc.  
1502 Franklin Street  
Boise, Idaho

Dear Mr. Stevens:

It has come to our attention that you are planning on opening a mine in Grant County near John Day to produce cobalt, nickel, gold, and copper.

We are always interested in developments of this type and would appreciate learning how your plans are progressing and any other information concerning your operation which you may wish to give. If you wish we can keep the information confidential.

Sincerely yours,

Ralph S. Mason  
Mining Engineer

RSM:lk

v.

*Ralph Mason  
That you might want this  
for your files. If you  
have any data and  
you let us know  
DHS*

COBALT GOLD MINES, INC.

Phone 3-9655

1502 Franklin St.

Boise, Idaho

RECORDED

FEB 12 1959

Mr. David Sutherland  
Imports & Exports  
Portland, Oregon

Dear Sir:

We are opening a mine in Grant County, Oregon, near John Day, and expect to be in full production this Spring.

I am desirous to know if you are in the market for ore concentrates. Our ore consists primarily of cobalt, nickel, gold, and copper; and also carries a small amount of silver and lead. We will be milling from 25 to 30 tons of ore per day.

If you can handle the output please advise me at your earliest convenience and I can discuss the arrangements with you by telephone or meet with you in Portland.

Very respectfully yours,

*ANSWERED AFFIRMATIVE  
REQUESTING FURTHER  
DETAILS*

H. F. Stevens, President  
Cobalt Gold Mines, Inc.

*H. F. Stevens*

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