



STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

SAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417 Grants Pass, Oregon DATE: 6/13/62

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
1 - WG-97	Squaw Creek Copper	5' chip	Upper Applegate	SE 31 NE 6	40 S 41 S	3 W	Au, Ag, Cu
2 - WG-98	" " "	4' "	" "	SE 31 "	40 S "	3 W	Au, Ag, Cu
3 - WG-99	" " "	8' "	" "	SE 31 "	40 S "	3 W	Au, Ag, Cu
4 - WG-100	" " "	6' "	" "	SE 31 "	40 S "	3 W	Au, Ag, Cu

Descriptions:

- 1 - Sample taken across back about 10 feet from face of drift to southwest in 2150 level. Consists of chlorite schist with small amount of vein quartz, some disseminated pyrite and minor chalcopyrite.
- 2 - Sample taken on southeast wall of SW drift about 30 feet NE of sample #1 and beside back-filled cut into footwall. Contains same type material as #1.
- 3 - Sample taken in back of drift 2250 level at top of raise. Contains some secondary sulfate efflorescent minerals in addition to similar material as #1.
- 4 - Chipped in SE wall & back of mineralized zone near face of 2250 level. Similar to material described in #1.

Results:

				Ounces per ton Gold (Au)	Silver (Ag)	Percent Copper (Cu)
1-	P-27514	WG-97	. . .	0.02	Nil	0.40%
2-	P-27515	WG-98	. . .	0.03	Trace	2.40%
3-	P-27516	WG-99	. . .	0.02	Nil	1.40%
4-	P-27517	WG-100	. . .	Trace	Nil	Trace

7-10-62

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

SQUAW CREEK COPPER (Pacific States Mines Co.)

"Location and access - The property operated by the Pacific States Mines Co. is in sec. 6, T. 41 S., R. 3 W., Willamette meridian, along Squaw Creek about 32 miles southwest of Medford. The road is narrow but serviceable and follows a water grade for practically its entire distance.

"Most of the development work has been done on the Gold Nob, Pacific, and Iron Hand claims, named in order from east to west. Three short tunnels and several surface trenches have been excavated on the Gold Nob claim. On the Iron Hand, in addition to many surface trenches, two tunnels, 80 and 90 feet long, have been opened. The lode on the Pacific claim is developed by three adit levels and several surface cuts. The principal level, No. 3, includes a crosscut 320 feet long from which drifts that aggregate 350 feet have been driven northeast and southwest. (See fig. 1). Level 2 is 150 feet long and is 95 feet above level 3 and connected with it by an inclined raise. Level 1 is 32 feet long. In August 1930 development work was confined to drifting on level 3.

"The ore at the Pacific States mine occurs as replacement bodies along certain beds of the schist. Several beds of schist distributed through a zone nearly a mile wide have been partly prospected, and all are more or less mineralized. The schist beds strike from N. 30° E. on the Iron Hand claim to N. 65° E. on the Gold Nob claim and dip 40°-65° NW. In some places the schist has been largely replaced by quartz and sulphides; in other places, even within the same bed, the sulphides are sparsely distributed. The more intensely mineralized beds range in thickness from a few inches to over 40 feet and consist of highly altered chlorite schist containing considerable quartz, some epidote and sericite, and sulphide in varying amounts. In general the thicker beds are less mineralized.

"Pyrite and chalcopyrite are the principal sulphides, and sphalerite is present in small amounts. Pyrite is by far the most abundant sulphide except in some places—for example, in certain beds at the face of the south drift on level 2, where it is exceeded by chalcopyrite. Polished surfaces clearly show two stages of mineralization. Quartz and pyrite were deposited first, and after they were fractured, quartz, chalcopyrite, and sphalerite were introduced. The zone of oxidation is very shallow. Fresh -appearing sulphides occur a few feet beneath the surface.

"Economic considerations.—The ore at the Pacific States mine has been formed by replacement of schistose beds of devonian or older age. Several beds have been more or less mineralized, including three that have been partly prospected on the Gold Nob claim and at least three on the Iron Hand claim, as well as several beds exposed by the Pacific workings. In some places chalcopyrite is plainly visible, associated with pyrite. These mineralized beds evidently contain a large tonnage of ore, but the material appears to be of very low average grade. The numerous trenches indicate that the beds have been sampled at the surface by the operators, but the results are not available to the writer. The paragenesis of the minerals shows that quartz and chalcopyrite were intro-

duced along fractures into schist containing an early generation of quartz and pyrite. It would, therefore, be expected that chalcopyrite would tend to concentrate along the most permeable zones of fracturing. This is borne out by the field evidence. The higher-grade chalcopyrite ore occurs in shoots, but the earlier quartz-pyrite ore is much more uniform and widespread. The deposits are similar ~~xx~~ in type to those at the Blue Ledge mine and at Silver Peak, in all of which sulphide minerals have replaced schistose beds. However, at Blue Ledge and Silver Peak the replacement has been more complete and the ore minerals occur in greater variety and abundance."

Quoted from Circular 2 by Philip J. Shenon, 1933., p. 10 & 12.

ABBOT A. HANKS, INC.

1300 SANSOME STREET - SAN FRANCISCO, CALIF. 4

- Engineers
- Analysts
- Chemists
- Metallurgists
- Spectrographers
- Soils and Foundations
- Consulting, Testing, Inspecting

LABORATORY REPORT

Lab. No. **859**
 Submitted by **Golden Road Mining Co.,
 P. O. Box 182
 Rogue River, Oregon**

Date **May 16, 1962**
 Sample Mark **— — —**

QUALITATIVE SPECTROGRAPHIC ANALYSIS Metals Found and Estimated Percentage Range

Less than .03%	.03% to .30%	.30% to 1%	1% to 30%	30% to 100%
Potassium	Calcium	Magnesium	Silicon	
Nickel	Manganese	Sodium	Iron	
Cobalt		Titanium	Aluminum	
Vanadium			Copper	
Zinc			sulfur	
Silver				
Zirconium				
lead ?				

Remarks **cc: Mr. Dick Smith
 San Lorenzo, California**

ABBOT A. HANKS, INC.
 By *Ralph A. Hanks*
 Chief Chemist

ABBOT A. HANKS, INC.

1000 SAYSOME STREET, SAN FRANCISCO, CALIFORNIA

REPORT OF ASSAY

- Engineering
- Assays
- Metallurgy
- Metallurgical
- Microscopy
- Scientific Foundations
- Consulting Testing Services

May 16, 1962

Golden Road Mining Co.
 P. O. Box 182
 Rogue River, Oregon

Deposited by

Sample of

ORE

Labty. No.	Mark	GOLD	SILVER	COPPER	Percentages
850	***	Trace	.80	.72	COPPER 6.68

cc: Mr. Dick Smith
 San Lorenzo, California

ABBOT A. HANKS, INC.

By *[Signature]*
 Ralph A. Hanks

RECORD IDENTIFICATION

RECORD NO..... M061138
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
 UPDATED..... 81 01
 BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... SQUAW CREEK COPPER
 SYNONYM NAME..... GOLD NOB, IRON HAND, PACIFIC STATES MINING CO.

MINING DISTRICT/AREA/SUBDIST. UPPER APPELEGATE

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... JACKSON
 DRAINAGE AREA..... 17 APPLELEGATE RIVER
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME
 1: 62500 RUCH

LATITUDE LONGITUDE
 42-02-11N 123-05-15W

UTM NORTHING UTM EASTING UTM ZONE NO
 4653604.3 492755.3 +10

TWP..... 41S 40S 40S
 RANGE..... 03W 03W 03W
 SECTION.. 05 06 31 32
 MERIDIAN. W.M.

LOCATION COMMENTS: NW 1/4 SEC. 05 SEC. 05

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU

DRE MATERIALS (MINERALS, CRYSTALS)
PYRITE, CHALCOPYRITE, SOME SPHALERITE,

COMMODITY COMMENTS:

SULFIDES ARE USUALLY DISSEMINATED

ANALYTICAL DATA(GENERAL)

SAMPLE ACROSS 36 FT OF PYRITIC SCHIST ASSAYED 0.01 OZ/TON AU; TRACE AG; 0.08% CU

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

VOLCANOGENIC ?

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... MEDIUM

MAX THICKNESS..... 40 FT.

STRIKE OF OREBODY.... N30-65E

DIP OF OREBODY..... 40-65NW

COMMENTS(DESCRIPTION OF DEPOSIT):

OXIDIZATION ZONE IS VERY SHALLOW

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

EIGHT ADITS

PRODUCTION

NO PRODUCTION

23 CU, OCCUR

SAMPLE

0.08 CU, 0.01 AU, TR. AG

RESERVES ONLY

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE OR USE
1	LARGE		TONS	1933	EST

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... CHLORITE SCHIST

PERTINENT MINERALOGY..... SERICITE, EPIDOTE, QUARTZ

IMPORTANT ORE CONTROL/LOCUS.. SELECTED BEDS IN SCHIST - CONTROL NOT GIVEN

RECEIVED
DEC 1 1938

STATE DEPT OF GEOLOGY
& MINERAL INDS.

Jackson County

Name: Squaw Creek Copper (copper)

Old Name: Old Great Eastern Group. Was also known as Pacific States Mines.

Owner: Dow Lewis, Star Route, Jacksonville, Oregon.

Full description together with map of the workings of this property is on Page 10 of Circular 2 of the U.S.G.S. on Copper Deposits of Squaw Creek and Silver Peak Districts.

History: Bruce Buck discovered this property in 1907 and did a small amount of work. The only real development work was done by the Pacific States Mines when they took it over under bond and lease in 1928. All the work on levels two and three was done by them. The present owner located once claim, the Grizzley King, on June 18, 1938. All he has done is to make his location ~~and~~ cut and drain tunnel No. 3.

Misc. Information: No equipment. Plenty of timber and water available. The last one-half mile of road to property has been washed out. Two samples were taken. No. 1 in face of drift to the left in lower tunnel, 40 inches of schist containing pyorite, went trace in gold, silver and copper. No. 2 about ten feet from face of same drift as above, ^{36"}of schist, quartz and pyrite assayed .01 of gold, trace of silver and .8% copper.

More samples were not taken because of insufficient time. A plan of sampling the property was suggested to determine its value; which was to have owner take samples of property and send in to State Assay Laboratory at rate of two per month. As yet no samples have been received.

Informant: J. E. Morrison. 10/5 /38.

PROSPECT CARDS

Code No. _____

Property Name Squaw Creek Copper

Followup Recom. yes

Property Owner Oregon Metal Mines Handbook

Later Review Recom. _____

Submitted by _____

Examined by _____

Location: State Ore.

Company _____

County Jackson

Date _____

Mining D. _____

Where filed _____

T 41 S R 3 W Sec. 5

Metals

- Cu
- Mo
- Pb
- Zn
- Ag
- Au
- Fe
- Mn
- Cr
- Ni
- W
- U
- Re
- P₂O₅
- K₂O
- Sn
- Be
- Coal
- Hg

X

Some

Some

Other

Production Metal

AMS Quad _____

Other Quad _____

Production

None 10² 10³ 10⁴ 10⁵ 50⁵ 10⁶

TONS

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Geology

Host Rock altered chlorite schist

Mineralization

Type massive sulfides

Trend _____

Ore Cpy, py, sph

Gangue _____

Alteration

Type _____

Extent _____

Bibliography

USGS _____

USBM _____

Other _____

Remarks: interesting but low grade

Field Time

- None
- 1 Day
- 1 Week
- 1 Mo
- +1 Mo

Follow-up Recom. _____