

QUARTZ PROPERTY

October, 1937
J. E. Morrison

James J. J.

1. Name of property Black Bear
Operating company (or individual) E. R. Roberts, Alden Roberts, Mable Radcliffe
Address and Robert Radcliffe of Galice
Location of property Sec. 35, T. 35 S., R. 5 W.
Acreage of holdings 103.3 acres
 2. History of property, past and recent: Is covered in the 1916 report on page 33, up to 1916. Mr. E. R. Roberts who was one of the stock holders of the Highland improvement company took the property over about 1918. He and his children now own the property.
 3. History of production: No production
 4. Development: Number of levels, lengths of drifts and cross-cuts, raises, etc.:
There are 8 tunnels on the property. The 700 ft. tunnel is now caved about 1/2 way. The only ^{new} workings are a cross-cut tunnel (con. on back)
 5. General description and equipment on hand, topography, country rocks, elevation, timber, water, snow fall, climate, power, etc. No equipment. Rouge mountainous topography. The country rock is as described in the bulletin but as the formation continues Northward it gives way to andesite porphyry. It is impossible to determine just what happened, due to the amount of alluvial material on the North side of Rocky Gulch. The elevation is about 1650 to 2000 feet. Plenty of mine timber, plenty of water with possibility of developing a small amount of water power. Two feet is the maximum snowfall.
 6. Geology - General and local. Ore geology - type of deposit, i.e., vein, mineralized zone, bed; contact relations, attitude and orientation, vein minerals, gangue, type of mineralization, alteration, enrichment, etc.

Geology as described in bulletin.
- Handbook jef 33*
7. Metallurgy - nature of ore, hard or soft, free-milling, base, direct shipping, etc. Kind of mill and equipment in use or planned, current daily tonnage of ore or concentrates, approximate value, freight rates to smelter, etc.

No ore in sight.

8. Remarks - economics: High or low cost, principal drawbacks, reasons for success or failure, apparent life of operation based on apparent quantity of ore available. I see no possibility of finding any tonnage of ore, however, high-grade pockets might be expected. The property should be worked as such.

4. continued--

about 300 feet North of the Black Bear adit running generally in an easterly direction about 250 feet. This tunnel is in andesite porphyry. A sample of the porphyry was taken at a point 200 feet in from the portal. It run .18 ounce of gold and .2 ounce of silver. Another tunnel about 300 feet east of the cross-cut tunnel, mentioned above, was run N. 31° E., 102 feet in porphyry. The remainder of the workings are caved and inaccessible.

This property is held by location. Mr. E. A. Roberts is too old to work any longer and the required assessment work has been kept up by his nephew Robert Radcliffe

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

BLACK BEAR MINE (gold)

GALICE AREA

Revision of report dated 3/2/40

FEB 22 1941

STATE DEPARTMENT OF GEOLOGY
& MINERAL INDS.

EQUIPMENT (beginning with mill equipment)

The mill equipment consists of a 15 ton ore bin at the mine connected by cableway with a 10 ton bin at the mill. Primary crusher is a corrugated roll crusher with a capacity of 1 ton per hour; to a homemade 36 inch by 30 inch ball mill turning 32 rpm with a 500-750 lb. ball load of 2 inch steel balls; discharges thru a 50 mesh screen to a 4 ft. by 7 ft. plate. Over-size returns to mill by a homemade classifier. The Straube table is not used. A 21 ft. overshot water wheel furnishes power during part of the year; a 20 h.p. gas engine provides power the balance of year.

GEOLOGY Country rock of this area is "greenstone", probably meta-igneous, with dunite reported a short distance to the southwest. The rock is sheared and cut by shear zones; the most prominent shearing is N. 20° E.

Ore being milled at present is oxidized material. Most of it is obtained near the surface. The underground ore comes from narrow seams through which percolating waters have passed and produced oxidation. At depth, the oxide ore probably changes to base ore as evidenced by the sulfide ore on the dump near the mill.

Ray C. Treasher,
Field Geologist,
Feb. 19th, 1941.

900 rpm motor with a General Engineering lime feeder having a 500 lb. capacity; Classifier discharges through a flume to cyanide tanks.

Cyanide equipment is installed for counter-current flow. The first Dorr thickener is 20 feet by 10 feet, the other five thickeners are 16 feet by 10 feet. Three agitators are 12 feet by 12 feet and an Oliver filler is 8 feet by 8 feet.

Solution goes to a metering device and is then pumped to a 175 ton Merrill-Crowe 40-bag precipitation plant. The clarifier is in an 8 ft. tank with nine 4 ft. by 6 ft. leaves. Vacuum tower (de-aeriation tower) is 6 ft. by 2 ft. Merrill-Crowe type chrome-zinc feeder using cone and drum. The precipitate is shipped to Selby.

Equipment (Power): A 140 h.p. 8 x 9½ Atlas marine, type P & H, six cylinder Diesel motor drives a 125 KVA generator that delivers 440 volt 60 cycle current. Stand-by equipment is a 40 h.p. Fairbanks-Morse 4 cylinder Diesel that powers a small single-stage Sullivan compressor and a 35 KVA generator.

Equipment (General): Buildings include an assay laboratory and mine office, a cook house-mess hall, nine bunk houses, four staff houses, and a change room.

Fuel-oil storage tanks have a capacity of 30,000 gallons that will run the mine and mill operations for about three months.

Mining Facilities: Water system is all gravity from Drain Creek and Bannister Gulch. Water is covered by water rights which include Whiskey Creek. Mine timbers are shipped in from Grants Pass and are all sawed timber. Shipping points are at Grants Pass, 39 miles, and Glendale, 18 miles. The Grants Pass road is open practically all the year.

Geology: Parks and Swartley report as follows:

"The main adit is a drift following a vein for 600 feet to a fault, which strikes N. 70°W. and dips 85° S.; about 100 feet farther on the adit picks up a vein again, which it follows for about 500 feet. This vein is also opened by an upper adit for about 800 feet. The ore has not been removed. Assays said to have been made by Mr. Bishop, former superintendent of the Greenback Mine, are reported as follows:

"Upper adit, 40 samples taken.	Per ton
Average value of ore from portal to raise 2	\$5.32
Average value of ore from raise 2 to breast	4.42
Main Benton adit, 127 samples taken.	
Av. val. of 34 samples between portal and point	
47 ft. N.E. of rise 1	2.75
Av. val. of 43 samp. bet. same point and main crosscut....	4.30
Av. val. of 50 samp. bet. main crosscut and breast	1.80

"The Texas adit of the Benton group crosscuts 300 feet to the vein, which is opened by a drift each way; to the south it is cut off by a fault (dipping 50° northerly) about 150 feet from the crosscut entry; to the north it is displaced slightly by another fault about 50 feet from the crosscut. While the latter fault causes little displacement it twists the hanging wall so much as to locally cause reversal of the dip of the vein; normally this vein dips about 40° east, locally it dips west. The strike of the fault is not shown in the drawing because it is somewhat indeterminate; in one place it seems to strike N. 47° W. and dip about 60° N.E. Near and for some distance south of this fault the vein has 1 to 3 feet of solid quartz; northward a much smaller vein is exposed. The raise shown in the drawing inclines upward at an angle of 30° and reaches the surface about 100 feet above the adit level. The country rock of this adit is tonalite.

"The Georgia adit of the Benton group is quite irregular, as shown in the drawing, and discloses no important vein. Its longest straight course is along a sheared zone about 3 feet wide showing very little quartz.

"Tonalite (locally called "gabbro") is present in this region, not only in the Texas adit, but also at the face of the long crosscut (called "Georgia crosscut") from the main Benton adit, where the rock is sheared and contains quartz stringers running in various directions. The minerals present include abundant plagioclase and quartz with some chlorite, epidote, rutile, calcite, sericite, and pyrite."

Country rock is diorite; that on the east is darker than that on the west. There is a well-defined vein system; the main quartz veins trend north-south, and are cut by east-west veins. Metallization is the result of metasomatic replacement. There is some metallization in the footwall but all veins seem to end at the hanging wall.

The ore minerals have been determined as:

Pyrite	(approx. 95%)
Marcasite	(approx. 4% plus)
Chalcopyrite	
Sphalerite	
Magnetite	
Gold	

with quartz, sericite, chlorite, calcite and dolomite as gangue minerals. Chalcopyrite, sphalerite, and magnetite, are in combined percentage of much less than 1 percent.

Pyrite occurs in knots and seams within the quartz and in some instances it is possible to judge approximate grade of ore by the "looks" of the pyrite. Again, it is impossible to judge ore values from hand specimens. Some of the footwall diorite is mined as ore.

The country rock has been identified by thin-section methods as a quartz diorite or granodiorite that has been altered and silicified to a certain extent. From the main workings, it is about 1000 feet westward to the Dothan (?) formation contact, and about 1500 feet eastward to the serpentine contact.

Reference: Parks & Swartley 16:28-29 (quoted)

Informant: Lewis Investment Company, Albert Burch, and Ray C. Treasher, July 31, 1940, March 24, 1942, and Feb. 1942.

Report by: Ray C. Treasher, 8/3/40.

BLACK BEAR MINE (gold)

Galice area

also known as:

Dan Green Mine

Black Bear Mining and Milling Company

Highland Improvement Co.

Owners: E. B. Roberts, Alden Roberts, and Robert Radcliffe, all of Galice, Oregon.

Location: Sec. 35, T. 34 S., R. 8 W., two miles west of Galice and 16 miles from Merlin, the nearest railroad point.

Area: Five claims, 103.3 acres, held by location before 1900, and recorded at Grants Pass, Oregon. The claims are named as follows: Black Bear, Brown Bear, Elk Horn, Rising Star, and Casa Grande.

History: The Black Bear Mine was originally the Old Dan Green property and was purchased by the Highland Improvement Co. Mr. E. B. Roberts, one of the stock holders of the Highland Improvement Co., took it over in 1918. His heirs now own the property. Robert Radcliffe has worked the property intermittently since 1930.

Parks and Swartley reported as follows:

"The Black Bear Mine is on the south fork of Rocky gulch, about $2\frac{1}{2}$ miles northwest of Galice, at an elevation of about 1650 feet, as measured by barometer. It was formerly owned by the Black Bear Mining & Milling Company, but is now controlled by the Highland Improvement Company. The main adit is over 700 feet in length and follows a well defined fault for more than 500 feet, as seen in a drawing of the workings. The fault is marked by 12-20 inches of soft gouge which strikes about north 15 degrees E., and dips about 80 degrees E. The ore consists of lenticular bodies of quartz with pyrite and greenstone, which are found on both sides of the fault gouge. No ore has been milled from the main adit, though about 4 tons of rich surface ore was mined from old workings above it. The shorter adit discloses a zone showing scattered quartz near the breast as well as stringers crossing the main course as shown; one is about 2 feet wide and strikes S. 45 degrees E., with a dip of 70 degrees S. W. The country rock is a hard amphibolite, schistose in places, and containing many small quartz stringers or lenses. One to two hundred yards southwest of the Black Bear adits the country rock is dunite (or cortlandite), consisting of granular olivine with patches of tremolite, and antigorite and a sprinkling of magnetite. Diller states that at the Black Bear: 'A vertical belt of quartz veinlets and kidneys $2\frac{1}{2}$ feet in width runs nearly north and south. The ore, which is rich in pyrite, with some chalcopryrite, is scattered rather irregularly in the vein belt. Some of the ore is out by shearing planes, on which the slickensided ore shows decided movement since the ore was deposited'".

Development: There are eight tunnels on the property: No. 1, the Black Bear adit, trends S. 12° W., 20 feet with a 30 ft. winze 10 feet from the portal. No. 2, crosscut tunnel trending N. 80° W. for 230 feet to cut Black Bear vein. No. 3, the long tunnel, 810 feet of workings, described in the old report, is now caved and inaccessible. No. 4, Bill's tunnel, 380 ft., caved. No. 5, Green tunnel, 110 ft. with a 40 ft. winze on a slope, caved. No. 6, tunnel across South Fork of Rock Creek, from the Black Bear adit, caved. No. 7, Elk Horn tunnel, trends easterly, and has 403 ft. of tunnel plus 113 ft. of drifts. No. 8, trends N. 31° E., 102 ft.

Equipment: Hand driven coal augers used for drilling. One $\frac{1}{2}$ -ton ore car, 100 feet of 16-lb. rails; 350 feet of 8-lb. rails, 500 feet of 2" x 4" strap iron rails; 700 feet of miscellaneous rail. Mill equipment consists of a 15 ton ore bin at the mine, connected by a cable way with a 10 ton ore bin at the mill. The primary crusher is a corrugated roll crusher with a capacity of one ton per hour. A home-made 36" x 30" ball mill, turning 32 RPM with a 500 to 700 lb. load of steel balls (2" maximum); pulp discharges through a 50 mesh screen to a 4' x 7' plate. Oversize returns to the mill by a home-made classifier. A 20 ft. overshot water wheel furnishes power during part of the year; a 20 h.p. gas engine provides power the balance of the year.

Geology: The country rock of this area is greenstone, probably meta-igneous, with dunite reported a short distance to the southwest. The rock is cut by shear zones, the most prominent trending N. 20° E. Mr. Roberts stated that the face of the tunnel in the amphibolite assayed consistently \$25 to \$30 across the 36 inches. On the north side of South Fork of Rocky Creek, the country rock is porphyry which is schistose along fault planes. There are many quartz veinlets and stringers occurring in the porphyry and in places it is said to carry some values. Two samples were taken in the Elk Horn tunnel. One in the face of the first drift to the left ran 35¢. At a point 230 ft. from the portal, a sample was taken across 10 feet of porphyry. This sample ran \$6.30 in gold and \$0.15 in silver. Strike of

the porphyry is N. 12° E. The values in the porphyry are probably due to surface enrichment. However, the sample that ran \$6.45 was at a depth of approximately 60 feet.

Mining and Milling: Ore being milled at present is obtained near the surface. Underground ore comes from narrow seams through which percolating waters have passed with resultant oxidation. At depth the oxidized ore changes to base ore as evidenced by the sulphide ore on the dump near the mill.

Reference: Parks and Swartley, 16:33 (quoted)

Informant: J. E. Morrison, 1937
Robert Radcliffe, 1940
R. C. Treasher, February 19, 1941

BLACK BEAR MINING & MILLING CO.

Galice area

see Black Bear Mine

BLACK HAWK PROPERTY (gold)

Galice area

History:

"The Black Hawk property lies on Quartz Creek, not far from the eastern contact of the Peavine serpentine belt. Development work only has been reported for the last year.

"The Black Jack group is near the Black Hawk. Although neither of these mines was visited, I have learned from good authority at Galice that the ore of the Black Jack group is free milling and that between \$6,000 and \$7,000 in gold was won from a pocket by hand mortaring."

Reference: Diller, 14:57 (quoted)

BLACK JACK PROPERTY (gold)

Galice area

Owner: Western Metal Mines Co., J. J. Seidel, Medford, Oregon. (See also Sugar Pine Mine)

Location: Secs. 3-4, T. 35 S., R. 8 W.

History: "The Black Jack Group is on Quartz Creek, not far from the eastern contact of the Peavine serpentine belt. The ore is free milling and between \$6000 and \$7000 in gold was won from a pocket by hand mortaring".

Reference: Parks and Swartley, p. 34, 1916 (quoted)
List of Mines in Oregon.
Diller, 14:57.

BLUE BELL PROSPECT (gold)

Galice area

History:

"The Blue Bell prospect is situated 6 miles northwest of Galice, on a branch of Howard Creek, a mile above the Red Elephant. It was opened up some years ago by nearly 200 feet of tunnels. A number of tons of ore were mined, but none of it was shipped. The ore is chiefly pyrite, like that of the Red Elephant, but contains also some chalcopyrite and dark bluish scales of molybdenite. This prospect was not examined, though the neighboring greenstone was seen on the hill to

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full R. W. Radcliffe

Post-office address Route 1, Box 178-F, Gold Hill, Oregon

Are you a citizen of Oregon yes Date on which sample is sent 6-26-48

Name (or names) of owners of the property same

Name of claim sample obtained from Black Bear Group

Location of property or source of sample (describe as accurately as possible below):

County Josephine Mining district Galice

Township 34S Range 8W Section 26 Quarter section

How far from passable road on road

For what minerals or elements do you wish the sample(s) analyzed Au, Ag, Sn

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1	<u>x</u>	<u></u>	<u></u>	<u></u>
Sample No. 2	<u></u>	<u></u>	<u></u>	<u></u>

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) R. W. Radcliffe

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description

Sample Number	GOLD		SILVER		TIN			
	oz./T.	Value	oz./T.	Value				
IG-150	0.53		Trace		Nil			
IG-151	1.40		0.40		Nil			

Report issued Card filed Report mailed Called for

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full R. W. Radcliffe

Post-office address Route 1, Box 178-F, Gold Hill, Oregon

Are you a citizen of Oregon yes Date on which sample is sent April 1, 1949

Name (or names) of owners of the property _____

Name of claim sample obtained from Black Bear Mine

Location of property or source of sample (describe as accurately as possible below):

County Josephine Mining district Galice

Township 34 S Range 8 W Section 26 Quarter section _____

How far from passable road On Road to Mine

For what minerals or elements do you wish the sample(s) analyzed Au

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1	_____	<u>X</u>	_____	_____
Sample No. 2	_____	_____	_____	_____

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) R. W. Radcliffe

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Description Sulphides

Sample Number	GOLD		SILVER				
	oz./T.	Value	oz./T.	Value			
P-8376	0.58						

Report issued _____ Card filed _____ Report mailed _____ Called for _____

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORY

REQUEST FOR SAMPLE INFORMATION

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Your name in full R. W. Radcliffe

Post office address Route 1, Box 178-F, Gold Hill, Oregon

Are you a citizen of Oregon yes Date on which sample is sent April 19, 1949

Name (or names) of owners of the property R. W. Radcliffe

Name of claim sample obtained from Black Bear Mine

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County Josephine Mining district Galice

Township 34 S Range 8 W Section 26 Quarter section _____

How far from passable road On Black Bear Mine Road.

For what minerals or elements do you wish the sample(s) analyzed Au

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample no. 1	<u>30 in. vein</u>			

Sample no. 2 _____

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) R. W. Radcliffe

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Description Quartzite with pyrite

Sample number	GOLD		SILVER				
	oz./T.	Value	oz./T	Value			
P-8446	0.25						

Report issued _____ Card filed _____ Report mailed _____ Called for _____
SIR-5

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon
Jacksonville Area

BLACK BEAR COAL MINE

This property was reported upon by Parks and Swartley, Diller, and Yancey and Geer in our Bulletin 20. The property was visited at the request of George Watkin Evans, who wants a 100-pound sample of the coal for further testing. The sample was cut at the face of the only open tunnel 952 feet from the portal. The coal was sampled according to instruction; that is, including everything except what would be thrown out under normal mining conditions. The sample section is as follows:

Coal	3.8 feet.
Bone (excluded)	0.7 feet.
Coal	0.8 feet.
Bone (excluded)	0.3 feet.
Coal	1.7 feet.

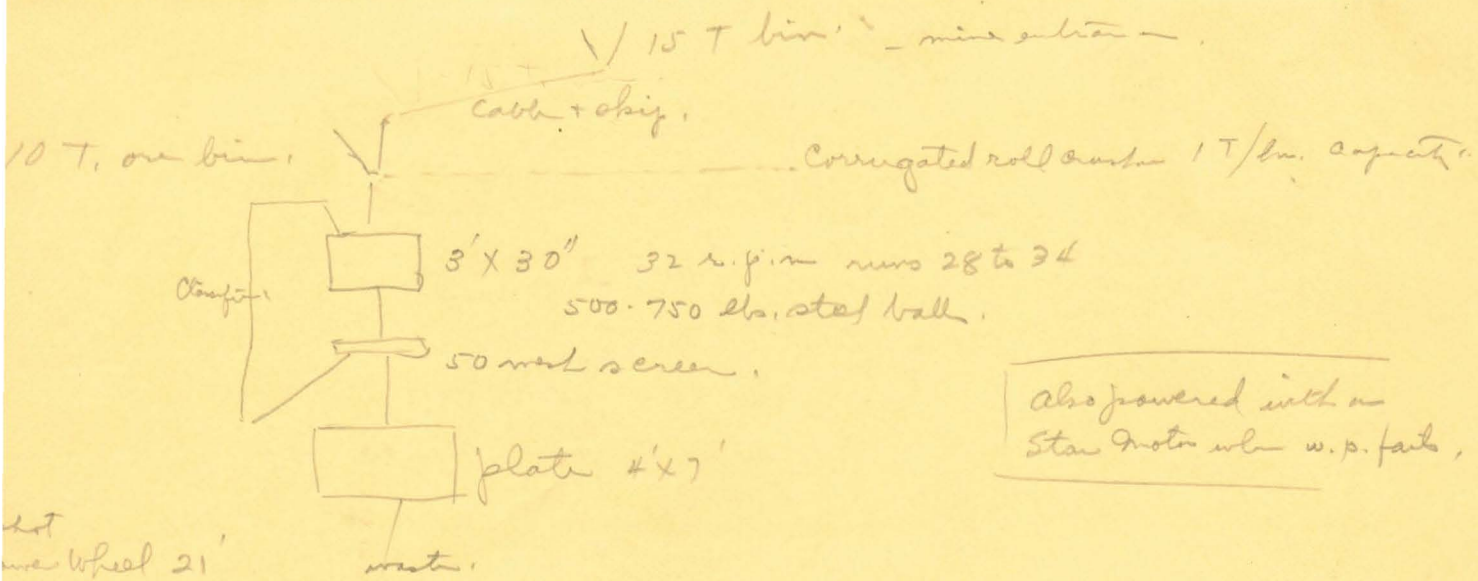
Jackson City

This includes a lot of dull, brownish material which undoubtedly has heating properties but which might be excluded as a result of careful washing.

The mine is an old one and was once owned by the Pacific Coal Company and by Southern Pacific who worked it until they changed to oil. Three coal seams are reported. The lower one was mined by Southern Pacific, the upper one was mined by a man named R. P. Little, and the middle bed is the one being worked at present. The owners are interested in opening the mine to produce fuel to relieve the domestic fuel situation. They are talking seriously of installing a small washer and producing between 50 and 100 tons a day for local use. If they can guarantee production, they have a good possibility of supplying the cement plant at Gold Hill with coal.

The present owners are Mary Woodward and Dr. S. C. Peters of Medford, Oregon. Two others who are interested but have no legal title to the property, are Charles Fry and Lee Denzer also of Medford.

Ray G. Treasher
Field Geologist
9/5/42.



conveyer to an Ellis mill,

with amalgam, why is it that a bit will go thru chains + yet carry?
 we saw is fluid at body temp, yet tough + solid at 50°.

how to clean quick?

how to get the green stuff off the plate. Using oxalic acid.

Show you at present workings to sulfide ore at mill N. 45° E. }
 Trend of tunnel N. 20° E. dips W. at high angle. } Dipped 125'

These are below the mapped workings

claims, location. located about 1906

W. Mitchell as work until about 1930 + he work intermittently ever since.

MAJOR PRODUCTS.. AJ
MINOR PRODUCTS.. AG

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL.....
OCCURRENCE..... CJ

ORE MATERIALS (MINERALS, ROCKS, ETC.):
PYRITE, CHALCOPYRITE

COMMODITY SUBTYPES OR USE CATEGORIES:
2.60 AU:AG

COMMODITY COMMENTS:
SULFIDE ORE ON DUMP

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
VEIN/SHEAR ZONE
FORM/SHAPE OF DEPOSIT: LENS, KIDNEY

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 2.5 FT
STRIKE OF OREBODY.... NORTH
DIP OF OREBODY..... VERTICAL

DESCRIPTION OF WORKINGS
SURFACE AND UNDERGROUND
LENGTH OF WORKINGS..... 2200 FT

COMMENTS (DESCRIP. OF WORKINGS):
EIGHT ADITS TOTAL 2200, MILL

PRODUCTION
YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE SML		.036	TONS		
2 AU SML		.013	OZ	.361	OZ/T

RECORD IDENTIFICATION

RECORD NO..... M060741
RECORD TYPE..... XIM
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGRI 100-92
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
UPDATED..... 81.02
BY..... SMITH, ROSCOE M.
 FERN, MARK L. (BROOKS, HOWARD C.)
 FERN, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BLACK BEAR
SYNONYM NAME..... JLD DAN GREEN

MINING DISTRICT/AREA/SUBDIST. GALICE

COUNTRY CODE..... JS
COUNTRY NAME: UNITED STATES

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

COUNTY..... JOSEPHINE
DRAINAGE AREA..... 1710010 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
1: 62500 GALICE

LATITUDE LONGITUDE
42-34-58N 123-36-59W

UTM NORTHING UTM EASTING UTM ZONE NO
4714469.0 449409.3 +10

TWP..... 34S
RANGE..... 08W
SECTION.. 25
MERIDIAN. W.M.

LOCATION COMMENTS: SW 1/4

PRODUCTION YEARS..... 1959-1963
SOURCE OF INFORMATION (PRODUCTION) .. USBM

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... GREENSTONE-AMPHIBOLITE
IGNEDUS ROCK TYPES..... DUNITE

PERTINENT MINERALOGY..... QUARTZ

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

- 1) NAME: ROGUE VOLCANICS
AGE: JUR

SIGNIFICANT LOCAL STRUCTURES:
NEAR THRUST CONTACT WITH AMPHIBOLITE

SIGNIFICANT ALTERATION:
OXIDIZED ORE SELECTIVELY MINED

GENERAL COMMENTS

RECORD NUMBER (M013301) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES

- 1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P
- 2) BROOKS, H.C. AND RAMP, L., 1968, GOLD AND SILVER IN OREGON; ODGMI BULL. 61, P.208
- 3) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P.28

BLACK BEAR MINE (gold)
Call names.

GALICE DISTRICT

Owners: E. B. Roberts, Alden Roberts, ~~Mable Radcliffe~~, and Robert Radcliffe, all of Galice, Oregon.

Location: sec. 35, T. 34 S., R. 8 W., two miles west of Galice and 16 miles from Merlin, the nearest railroad point.

Area: Five claims, 103.3 acres, held by location before 1900, *about 1906* and recorded at Grants Pass, Oregon. The claims are named as follows: Black Bear, Brown Bear, Elk Horn, Rising Star, and Casa Grande.

History: ** Under scrutiny* The 1916 report is as follows: "The Black Bear Mine is on the south fork of Rocky gulch, about 2½ miles northwest of Galice, at an elevation of 1650 feet, as measured by barometer. It was formerly owned by the Black Bear Mining & Milling Company, but is now controlled by the Highland Improvement Company. The main adit is over 700 feet in length and follows a well defined fault for more than 500 feet, as seen in a drawing of the workings. The fault is marked by 12-20 inches of soft gouge which strikes about N. 15° E., and dips about 80° E. The ore consists of lenticular bodies of quartz with pyrite and greenstone, which are found on both sides of the fault gouge. No ore has been milled from the main adit, though about 4 tons of rich surface ore was mined from old workings above it. The shorter adit discloses a zone showing scattered quartz near the breast as well as stringers crossing the main course as shown: one is about 2 feet wide and strikes S. 45° E., with a dip of 70° S. W. The country rock is hard amphibolite, schistose in places, and containing many small quartz stringers or lenses. One to two hundred yards southwest of the Black Bear adits the country rock is dunite (or cortlandite), consisting

DIRECTOR
E. S. MCKENNA
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M. H. BURMAN
CIVIL ENGINEERING BOARD

BLACK BEAR MINE (continued)

consisting of granular olivine with patches of tremolite, and antigorite ~~w/~~ and a sprinkling of magnetite. Diller states that at the Black Bear: 'A vertical belt of quartz veinlets and kidneys 2½ ft. in width runs nearly north and south. The ore, which is rich in pyrite, with some chalcopyrite, is scattered rather irregularly in the vein belt. Some of the ore is cut by shearing planes, on which the slickensided ore shows decided movement since the ore was deposited.'

* The Black Bear Mine was originally the Old Dan Green property and was purchased by the Highland Improvement Co. Mr. E. B. Roberts, one of the stock holders of the Highland Improvement Co., took it over in ~~1908~~ 1918. His heirs now own the property, *Robert Rodcliffe has worked the property, intermittently since 1930.* ~~on which there has been only assessment work until the spring of 1939.~~

Development: There are eight tunnels on the property: No. 1, the Black Bear adit trends S. 12° W., 20 feet with a 30 ft. winze 10 feet from the portal. No. 2, crosscut tunnel trending N. 80° W., 230 feet to cut Black Bear vein. No. 3. The long tunnel, *810 ft. of working* described in the old report, is now caved and inaccessible. No. 4, Bill's tunnel, *380'* caved. No. 5, Green tunnel, *110' with a 40' winze on a slope* caved. No. 6, tunnel across South Fk. Rock Cr., from the Black Bear adit, caved. No. 7, Elk Horn tunnel trends easterly, *+ has 403' of tunnel +* for 250 ft. *113' of drift.* No. 8, trends N. 31° E., 102 feet. ~~with 69 ft. of drifts.~~

Equipment: Coal augers, hand driven, for drilling. One ½-ton ore car, 100 feet of 15 lb. rails; 350 ft. of 9 lb. rails; 500 ft. of 2" x 4" strap iron rails; miscellaneous 700 ft. of rail. The mill equipment consists of a 15 ton ore bin at the mine and a 35 ton ore bin at the mill. No primary crusher. One 3' x 3'

STATE DEPARTMENT OF GEOLOGY AND MINERAL INVESTIGATION
 BLACK BEAR MINE (continued)

ball mill made by Robert Radcliffe, takes a 750 lb. ball charge. One plate, 4' x 6'. One concentrating table patterned after a Straube, 3' x 7' size. Plenty of water for the mill, held by permit. Water power is developed by a 21 foot overshot wheel during part of the year; a 20 h/p. gas engine provides power the balance of the year.

Geology: Amphibolite outcrops along the center line of the Black Bear claim, and is reported to carry some pyrite, ~~that is / \$4 / \$33 / \$16 /~~ and trends N. 12° E. Mr. Roberts stated that the face of the

Total Value	Per Cent Value	Per Ton Value	Number

tunnel in the amphibolite assayed consistently \$25 to \$30 across the 36 inches. On the north side of South Fk. Rocky Cr., the country rock is porphyry which is schistose along fault planes. there are many quartz veinlets and stringers occurring in the porphyry and in places it is said to carry some values. Two samples were taken in the Elk Horn tunnel. One in the face of the first drift to the left ran 35¢. At a point 230 ft. from the portal, a sample was taken across 10 feet of porphyry. This sample ran \$6.30 in gold and \$0.15 in silver. The strike of the porphyry is N. 12° E. The values in the porphyry are more than likely due to surface enrichment. However, the sample that ran \$6.45 was at a depth of approximately 60 feet.

Informant: J. E. Morrison, 1937
 Robert Radcliffe, 3/2/40
 Reference: Parks & Swartley, ~~4-5~~ (quoted)
 16:33

BLACK BEAR MINING & MILLING COMPANY

GALICE DISTRICT

see Black Bear Mine

710.
PLACER SUMMARY

J. E. Morrison,
October 26, 1937.

1. Present name of property Black Bear Mine
Operating company (or individual E. R. Roberts, Alden Roberts, Mabel Radcliffe and
Address Robert Radcliffe all of Galice, Oregon County Josephine
Location Sec. 35, T. 35 S., R. 5 W. 2 miles west of Galice. 16 miles from Merlin being
Area of holdings 7345 P8W the nearest railroad.
5 claims - 103 acres. The names of the claims are:
Black Bear, Brown Bear, Elk Horn, Rising Star and Casa Grande.
2. History of property - past and recent:
Originally this was the Old Dan Green property and was purchased by the Highland Improvement Company. Mr. E. R. Roberts, one of the stock holders of the Highland Improvement Company, took it over in 1918 and since that date only the annual assessment work has been performed.
3. History of production - yardage moved and bullion shipped:
No production.
4. Development - acres mined, exploration of drilling, shafts, cuts:
8 tunnels on property. For description, see reverse side.
5. Water rights - number of ditches, length, priorities, water allowed by law, amount actually used (average), length of mining season, av. date begin mining in Fall, av. date mining ends in Spring, etc.: No equipment. Steep Mountainous topography. Country rock is amphibole and porphyry. Elevation 1650 to 2000 feet (aneroid). Abundant timber and water on property. Possibility of developing small amount of water power. Seldom have any snow and have favorable climate.
6. Geology and General Description: - Elevation above sea, gulch or flat operation, topography, character of bedrock, kinds of country rock, nature of gravel, nature of gold, amount of clay, and boulders, nature of gold, source of gold, winter snow conditions, etc.: An amphibolite outcropping along the center line of the Black Bear claim which carry some pyrite runs N. 12° E. Mr. Roberts stated that the face of the tunnel in the amphibolite assayed consistently \$25 to \$30 across about 36 inches. However, assay No. 400 was taken across the face of this tunnel and run blank both in gold and silver. On the north side of South Fork of Rocky Creek, the country rock is porphyry which is schistose along fault planes. There are many quartz veinlets and stringers occurring in the porphyry and in places it is said to carry some values. Two samples were taken in the Elk Horn tunnel. One in the face of the first drift to the left run 35%. At a point 230 ft. from the portal a sample was
(continued on reverse side)
7. Equipment - pipe, giants, etc.
At the present time they have no plans for a mill as they have no ore in sight. Samples of the porphyry taken were at my suggestion and now that I find it does carry some
8. Remarks - economics: High or low cost, principal drawbacks, reasons for success or failure, apparent life of operation based on quantity of gravel, etc.
The property is favorably located and the only draw-back is that there is no ore. Mr. E. R. Roberts who has done most of the work is now some 80 years old and is unable to do any hard work. The other owners are his children and grandson who are living elsewhere and not interested. It furnishes a home for the old folks.

6. (continued) taken across 10 feet of porphyry. This sample ran \$6.30 in gold and \$.15 in silver. The strike of the porphyry is N. 12° E. The values in the porphyry are more than likely do to surface enrichment. However, the sample that ran \$6.45 was at a depth of approximately 60 feet.

7. (continued) values I plan to sample the porphyry in more detail.

The eight tunnels are as follows:

- No. 1. Black Bear adit runs S. 12° W. 20 feet with a 30 ft. winze 10 ft. in from the portal.
- No. 2. Crosscut tunnel running 230 feet N. 80° W. to cut Black Bear vein.
- No. 3. The long tunnel described in old reports is now caved in and inaccessible.
- No. 4. Bill's tunnel caved.
- No. 5. The Green tunnel caved.
- No. 6. Tunnel across South Fork Rock Creek from the Black Bear adit is caved.
- No. 7. Elk Horn tunnel runs easterly direction 250 feet with 69 feet of drifts.
- No. 8 runs North 31° E. 102 feet.

See map of claims and tunnels.

Assay Report 400 - Blank Blank

35 770
Am. Lig.
1 - 01-354 "
3 - 1.8⁶³⁰ .02¹⁵ #645

7. Equipment - pipe, stants, etc.
 At the present time they have no claim for a mill as they have no ore in sight.
 Samples of the porphyry taken were a my suggestion and now that I find it does carry some
 8. Remarks - economical: High or low cost, principal drawbacks, reasons for success
 or failure, apparent life of operation based on quantity of gravel, etc.
 The property is favorably located and the only drawback is that there is no
 one. Mr. E. R. Roberts who has done most of the work is now some 80 years old and
 is unable to do any hard work. The other owners are his children and grandson who
 are living elsewhere and not interested. It furnishes a home for the old folks.

ASSAY REPORT

~~Baker, Oregon~~
Grants Pass, Oregon.

Date November 22, 1937.

Sample submitted by Mr. J. E. Morrison

Sender's Address Grants Pass, Oregon

Description of sample furnished by sender E. B. Roberts Number 2.

Character: Serpentine and quartz containing a small amount of pyrite.

Weight: About 1 pound. Size: 1 inch and smaller.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay result given below is from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

	Ounces per ton	Dollars per ton	Per cent	Value per ton	Total Value
Gold	Trace				
Silver	Blank				
Copper					
Lead					
Zinc					
.....					
.....					
.....					
.....					
.....					
.....					
.....					
.....					
Total Value .					

Signed _____ Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker, Oregon
Grants Pass, Oregon

SAMPLE INFORMATION REQUESTED

The law passed by the Legislature, governing the free assaying and analyzing of samples sent to a State Assay Laboratory, provides that certain information be furnished to the laboratory regarding samples sent for assays, etc. A copy of the law will be found on the back of this blank. Please read the law carefully. Will you please fill in the information called for in the following blank, as far as possible, and return the same to the nearest State Assay Laboratory, along with your sample. If you have made out a blank, this copy is for your future use. Keep a copy of the information on each sample for your own reference.

Your name in full J. E. Morrison

Post office address _____

Are you a citizen of Oregon? _____ Date on which sample is sent 10/26/37

Name (or names) of owners of the property E. B. Roberts & Assoc.

Name of particular claim and date of location Black Bear

Location of property or source of sample:

- (1) County Josephine (2) Mining District Galace
- (3) Township 35 (4) Range 5 (5) Section 35
- (6) Quarter Section _____

How far from passable road? 1/2 mile

For what do you wish sample tested? Gold

Does your sample represent a new discovery? no

On a newly located claim? no Old? yes

Has any ore from this claim been milled or shipped? no

Width of ore where sample was taken (length of channel cut) 30 in in face of cross cut tunnel

Remarks: The Department would be pleased to have you add to the above, such information as you think would be of interest and value. This could be placed in the space below or upon a separate sheet. This could best be shown by a pencil sketch, indicating the development on the claim with widths of vein, especially the width of ore at the place where this sample was taken.

A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value. They create but little interest in the minds of experienced investors and engineers.

Sample no. 2

Signed J. E. Morrison

(Over)

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker, Oregon
Grants Pass, Oregon

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Your name in full J. E. Morrison

Post office address _____

Are you a citizen of Oregon? _____ Date on which sample is sent 10/26/37

Name (or names) of owners of the property E. B. Roberts & Assc.

Name of particular claim and date of location Elk Pass. Black Bear Adit.

Location of property or source of sample:

(1) County Josephine (2) Mining District Galace

(3) Township 35 (4) Range 5 (5) Section 35

(6) Quarter Section _____

How far from passable road? 1/4 mile

For what do you wish sample tested? Gold.

Does your sample represent a new discovery? no

On a newly located claim? no Old? yes

Has any ore from this claim been milled or shipped? no

Width of ore where sample was taken (length of channel cut) 3 ft. in face of Black Bear adit.

Remarks: The Department would be pleased to have you add to the above, such information as you think would be of interest and value. This could be placed in the space below or upon a separate sheet. This could best be shown by a pencil sketch, indicating the development on the claim with widths of vein, especially the width of ore at the place where this sample was taken.

A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value. They create but little interest in the minds of experienced investors and engineers.

Sample no. 1

Signed J. E. Morrison
(Over)

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker, Oregon
Grants Pass, Oregon

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Your name in full J. E. Morrison

Post office address _____

Are you a citizen of Oregon? _____ Date on which sample is sent 10/26/37

Name (or names) of owners of the property E. B. Roberts & Assoc.

Name of particular claim and date of location Elk Horn

Location of property or source of sample:

(1) County Josephine (2) Mining District Galace

(3) Township 35 (4) Range 5 (5) Section 35

(6) Quarter Section _____

How far from passable road? 3/4 mile

For what do you wish sample tested? Gold

Does your sample represent a new discovery? no

On a newly located claim? no Old? yes

Has any ore from this claim been milled or shipped? no

Width of ore where sample was taken (length of channel cut) 20 in. of strattus

vein material in first drift to left. in Elk Horn Tunnel

Remarks: The Department would be pleased to have you add to the above, such information as you think would be of interest and value. This could be placed in the space below or upon a separate sheet. This could best be shown by a pencil sketch, indicating the development on the claim with widths of vein, especially the width of ore at the place where this sample was taken.

A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value. They create but little interest in the minds of experienced investors and engineers.

Sample no. 3.

Signed J. E. Morrison

(Over)

ASSAY REPORT

~~Baker, Oregon~~
Grants Pass, Oregon.

Date November 22, 1937

Sample submitted by Mr. J. E. Morrison

Sender's Address Grants Pass, Oregon

Description of sample furnished by sender E. B. Roberts Number 4.

Character: Altered porphyry containing limonite. Weight: About 5 pounds.

Size: 1 inch and smaller.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay result given below is from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

	Ounces per ton	Dollars per ton	Per cent	Value per ton	Total Value
Gold <u>Ⓢ35.00 / oz.</u>	0.18	6.30			<u>\$6.30</u>
Silver <u>Ⓢ0.77 / oz.</u>	0.2	0.15			0.15
Copper					
Lead					
Zinc					
.					
.					
.					
.					
.					
Total Value .					<u>\$6.45</u>

Signed _____ Assayer

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY LABORATORIES

Baker, Oregon
Grants Pass, Oregon

SAMPLE INFORMATION REQUESTED

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Your name in full J. E. Morrison

Post office address _____

Are you a citizen of Oregon? _____ Date on which sample is sent 10/26/37

Name (or names) of owners of the property E. B. Roberts & Assoc.

Name of particular claim and date of location Elk Horn

Location of property or source of sample:

(1) County Josephine (2) Mining District Malace

(3) Township 3 S (4) Range 5 (5) Section 35

(6) Quarter Section _____

How far from passable road? 3/4 mile

For what do you wish sample tested? Gold

Does your sample represent a new discovery? no

On a newly located claim? no Old? yes

Has any ore from this claim been milled or shipped? no

Width of ore where sample was taken (length of channel cut) 10 ft of porphyry

230 ft in Elk Horn Lunnel

Remarks: The Department would be pleased to have you add to the above, such information as you think would be of interest and value. This could be placed in the space below or upon a separate sheet. This could best be shown by a pencil sketch, indicating the development on the claim with widths of vein, especially the width of ore at the place where this sample was taken.

A sample, to be of value, should be taken in an even channel across the vein from wall to wall. Its position in the workings should be marked and the width measured. Assays of unlocated samples, without widths, are of little value. They create but little interest in the minds of experienced investors and engineers.

Sample no 4

Signed J. E. Morrison

(Over)

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number BG-145 & 146

Grants Pass, Oregon

~~Baker, Oregon~~

February 21, 1934

Sample submitted by Ray C. Treasher

Grants Pass, Oregon

Sample description No. 1--Altered greenstone with some iron oxide. 20 lbs.
No. 2--Altered rock with some iron oxide.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results given below are from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Percent	Value	Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value					
1	0.17	5.95	0.2	0.14					\$ 6.09
2	0.39	13.65	Trace						\$13.65

Market Quotations:

Gold \$ 35.00 per oz.
 Silver \$ 0.70 per oz.
 \$ per oz.
 \$ per oz.

STATE ASSAY LABORATORY

 Assayer

Black Bear Mine
 Josephine Co., Galice Area
 T. 34 S., R. 8 W.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number BC-93

Grants Pass, Oregon

~~Baker, Oregon~~

February 7, 1931

Sample submitted by Robert W. Radcliffe, c/o Black Bear Camp, Galice, Oregon

Sample description Fine mill tailings.

The assay results given below are made without charge as provided by Chapter 176, Section 10, Oregon Laws 1937, the sender having complied with the provisions thereof.

NOTICE: The assay results given below are from a sample furnished by the above named person. This department had no part in the taking of the sample and assumes no responsibility, other than the accuracy of the assay of the material as furnished it by the sender.

Sample Number	GOLD		SILVER		Percent	Value	Percent	Value	Total Value
	Ounces per ton	Value	Ounces per ton	Value					
	0.06	2.10	Trace						\$2.10
Nothing else of value.									

Market Quotations:

Gold \$ 35.00 per oz.
 Silver \$ per oz.
 \$ per oz.
 \$ per oz.

STATE ASSAY LABORATORY

 Assayer