

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

(MEMORANDUM)

GAMMILL PROSPECTS (Au)
(Warren L & Lucky Strike Claims)

Jackson County
Upper Applegate District

Owners: Mr. & Mrs. Warren P. Gammill, Rt. 4 Box 550, Grants Pass
requested the examination.

Location: The prospects are located at the head of Miners Creek in the NW $\frac{1}{4}$, SE $\frac{1}{4}$ sec. 18, T. 37 S., R. 4 W. The area is reached via state Highway 238, 6.3 miles; the North Side road for 6 miles; Kubli road for .7 mile; Missouri Flat road $\frac{1}{4}$ mile; and Miners Creek road 2 $\frac{1}{2}$ miles.

The Warren L workings are located at about 2,500 feet elevation on the east side of a fork of Miner's Creek in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of sec. 18. The Lucky Strike workings are located at about 2,800 feet elevation about 1,000 feet N. 40° W. of the Warren L workings.

History: The lower prospect (Warren L) was reportedly discovered in the 1860s by a man named Bailey. Much of the development work was done by Jim Dodge. A small amount of gold was probably recovered but no record of the production was obtained. The claims were relocated by Gammills in 1953.

Development: The Warren L tunnel is about 115 feet to the face. A short "dog leg" or crosscut to the right is situated about 15 feet from the face. A second tunnel (now caved) is located a short distance to the southeast and about 20(?) feet higher than the Warren L tunnel.

Development work at the Lucky Strike claim includes 3 short drifts and a bulldozer excavated area about 100 x 50 feet. Tunnel No. 2 is about 30 feet long and tunnel No. 3 is caved. No information was obtained on Tunnel No. 1.

Geology: The Warren L tunnel follows an east-striking vein in meta-sedimentary rocks of the Applegate group. Argillite, quartzite and dioritic dikes are cut by the tunnel. A diorite dike about 25 feet wide crops out on the north side of the tunnel portal. The dike appears to strike nearly parallel to the tunnel. Portions of the Warren L vein contain disseminated pyrite and galena. A sample of this material submitted by Gammills (NG-479, P-15827) assayed 0.08 oz./ton gold, 4.00 oz./ton silver, and 2.0 percent lead.

At the Lucky Strike workings the rocks are highly fractured argillite and quartzite with iron-stained shear zones carrying fine gold associated with limonite pseudomorphs after pyrite.

The following samples were taken at the time of the examination as requested by Mr. Gammill:

Warren L Claim:

1. A 6-inch cut sample was taken across an iron-stained sheared zone in quartzite in left side of the face of the short southeast drift from the right-hand cross cut in the Warren L tunnel. The shear contains about 1 inch of gouge from which free gold can reportedly be panned. It strikes N. 68° W. and is vertical. The sample (TG-132, P-24186) assayed Nil in both gold and silver.

2. A 40-inch cut was taken across the face of the main Warren L drift. The rock is a sheared iron-stained dark gray argillite with marked east-striking vertical shears on each side. The sample (TG-133, P-24187) assayed 0.02 oz./ton gold, and Nil silver.

3. A grab sample of fractured graphitic argillite was taken from the footwall (north side) of the main drift about 15 feet from the face of the Warren L tunnel. At this point the vein is 16 to 18 inches wide

where exposed in the tunnel back. It strikes N. 85° W. and dips 25° S. This footwall rock (TG-134, P-24188) assayed only Trace in both gold and silver.

4. A 20-inch cut was taken across the vein from the north wall and back of the Warren L tunnel about 50 feet from the portal. The sample consisting of mixed sheared graphitic argillite and vein quartz (TG-135, P-24189) assayed 0.015 oz./ton gold and Nil silver.

Lucky Strike Claim.

1. A 32-inch cut or chip sample taken across fractured iron-stained quartzite in the south wall and back near the portal of No. 2 tunnel on the Lucky Strike claim (TG-135, P-24190) assayed 0.11 oz./ton gold and Nil silver.

2. An 18-inch cut taken across a NW striking-NE dipping zone of sheared, iron-stained argillite in the face of No. 2 tunnel on Lucky Strike claim (TG-137, P-24191) assayed 1.30 oz./ton gold and Trace silver.

3. Another 18-inch cut taken across a sheared iron and manganese oxide-stained argillite and quartzite from the portal of caved No. 3 tunnel on Lucky Strike claim (TG-138, P-24192) assayed 0.02 oz./ton gold and Nil silver.

Further exploration and perhaps some mapping of the claims would be needed to properly evaluate the geology and economic potential of the gold mineralization. Several other gold mines and prospects occur in the area but little is known of their geologic relations.

Past placer mining activity is evident along the banks of Miners Creek farther down the valley in sections 19 and 30.

Visited: 6/4/59.

Report by: Len Ramp - 9/23/59.

Informant: W. P. Gammill.

* * * * *

Len

SAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417, Grants Pass, Ore. DATE: June 5, 1959

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
TG - 132-1	Warren L.	6" cut	Lower ^{Upper} Applegate	18	37 S.	4 W.	Au, Ag
133-2	"	40" cut	" "	"	"	"	"
134-3	"	grab	" "	"	"	"	"
135-4	"	20" cut	" "	"	"	"	"
136-5	Lucky Strike	32" cut	" "	"	"	"	"
137-6	" "	18" cut	" "	"	"	"	"
138-7	" "	8" cut	" "	"	"	"	"

Descriptions:

1. Sheared iron-stained quartzite from face of right cross cut near left wall, Warren L.
2. Sheared dark gray iron-stained argillite from face drift, Warren L. tunnel.
3. Dark gray graphitic argillite with disseminated pyrite in footwall 25' from face, Warren L. tunnel.
4. Dark gray graphitic sheared argillite with mixed vein quartz from N. wall and back of Warren L. tunnel.- 1.
5. Fractured iron-stained quartzite from S. wall and back of No. 2 tunnel near portal.
6. Sheared iron-stained argillite from face near sill No. 2 tunnel.
7. Sheared Fe/Mn stained argillite and quartzite from portal caved No. 3 tunnel.

Results:

			Gold	Silver
1	P-24186	TG-132	Nil	Nil
2	P-24187	TG-133	0.02	Nil
3	P-24188	TG-134	Trace	Trace
4	P-24189	TG-135	0.015	Nil
5	P-24190	TG-136	0.11	Nil
6	P-24191	TG-137	1.30	Trace \$45.50
7	P-24192	TG-138	0.02	Nil

Handwritten calculations:

$$\begin{array}{r} 35 \\ 11 \\ \hline 35 \\ 3.85 \end{array}$$

$$\begin{array}{r} 130 \\ 35 \\ \hline 650 \\ 390 \\ \hline 45.50 \\ 3.70 \\ \hline 10.80 \end{array}$$

$$\begin{array}{r} 35 \\ .02 \\ \hline .70 \end{array}$$

RECORD IDENTIFICATION

RECORD NO..... M020187
RECORD TYPE..... XIM
INFORMATION SOURCE... 2
MAP CODE NO. OF REC..

REPORTER

NAME..... FERNS, MARK L. (BROOKS, HOWARD C.)
AFFILIATION..... ODGMI
DATE..... 81 05

NAME AND LOCATION

DEPOSIT NAME..... GAMMILL PROSPECTS
SYNONYM NAME..... ~~JARREN NELL, LUCKY STRIKE~~

MINING DISTRICT/AREA/SUBDIST. GOLD HILL *Upper Applegate*
COUNTRY CODE..... US
COUNTRY NAME: UNITED STATES

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

COUNTY..... JACKSON
DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 00

QUAD SCALE QUAD NO OR NAME
1: 62500 GOLD HILL (1954)

LATITUDE LONGITUDE
42-21-13N 123-12-56W

UTM NORTHING UTM EASTING UTM ZONE NO
4688850 482250 +10

TWP..... 037S
RANGE..... 004W
SECTION.. 18
MERIDIAN. WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG PB

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

ANALYTICAL DATA(GENERAL)

DDGMI ASSAYS RAN NIL-1.30 OZ/TON AU; NIL AG

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2

YEAR OF DISCOVERY..... 1860'S

PRESENT/LAST OPERATOR.... WARREN GAMMILL, GRANTS PASS OREGON (1959)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SHEAR ZONE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS

UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):

DEVELOPED BY A 115 FT TUNNEL

PRODUCTION

NO PRODUCTION

UNDETERMINED

PRODUCTION COMMENTS.... NO PRODUCTION RECORDED

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI

HOST ROCK TYPES..... ARGILLITE, QUARTZITE

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET?

IGNEOUS ROCK TYPES..... DIORITE DIKE

PERTINENT MINERALOGY..... QUARTZ, LIMONITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPLIGATE GROUP

AGE: PERM-TRI

COMMENTS (GEOLOGY AND MINERALOGY):

QUARTZ VEINLETS IN SHEARED ARGILLITE