

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

SNOW BIRD (TIP TOP) MINE (Gold)

Josephine County
Lower Applegate District

Owner: Marshall Wagner, Shady Cove(?). George Slade, Williams, Oregon, present operator has an option to purchase the property.

Location: NE $\frac{1}{4}$ sec. 20, T. 38 S., R. 5 W., on the north side of the ridge facing Powell Creek at 3,200 feet elevation. From Grants Pass it is reached via Highway 238 for 12 miles, Water Gap road for 4 miles and then up the Humdinger Mine road. The mine lies at the end of the road about 3 $\frac{1}{2}$ miles from Water Gap Road.

History & Production: The Tip Top was originally located by Herman Messinger, Provolt, in the early 1900s. Some ore was reportedly sledded to the road at Humdinger Mine and hauled to the Bone of Contention mill across the valley. After being idle many years the mine was relocated about 4 years ago by Ted Wallace who sold to Marshall Wagner.

Development: Workings consist of a 300-foot lower drift heading S. 40° E. with a short raise near the end of the drift. Two other tunnels reportedly lie up the hill and caved cuts on top of the ridge. These were not visited. The intermediate level is reported to be about 150 feet long and lie 75 to 80 feet above the lower drift. The upper tunnel is reported to be caved and about 100 feet above the intermediate level.

Equipment: Buildings include a cabin and a small mill. The mill includes a small jaw crusher, ball mill, and table. Amalgamation plates and batch cyanidation of sulphide concentrate are used to recover the gold. Capacity of the mill may be about two tons (?).

Geology: The gold occurs in a quartz vein which strikes about N. 35 to 40° W. and dips 75° NE. Width of the vein at the face of the lower

- 2 -

drift is $4\frac{1}{2}$ feet. Country rock is metavolcanic rock belonging to the Applegate group. Narrow zones of metasediments, largely argillite, are also present.

A sample from the ore pile (TG-121, P-24163) described as fractured vein quartz with disseminated sulphides, mostly pyrite with minor chalcopryite and galena, assayed 1.26 oz. gold, and 0.70 oz. silver.

No record of production has been obtained.

Visited: (Only briefly) 5/22/59 (P.M.) by L.R. & N.V.P.

Report by: Len Ramp 9/8/59.

Informant: Erle N. Young.

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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
 2033 First Street Baker, Oregon
 1069 State Office Building Portland 1, Oregon
 239 S.E. "H" Street Grants Pass, Oregon

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 5/26/59

Name (or names) of owners of the property George Slade

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Tip Top Mine

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining District Lower Applegate

Township 38 S Range 5 W Section 20 Quarter section NE

How far from passable road? End of Name of road Hurdinger Mine Rd.

Channel (length) Grab Assay for Description

Sample no. 1 _____ Au, Ag grab from ore pile

Sample no. 2 _____
 (Samples for assay should be at least 1 pound in weight)

(Signed) L. R.

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

Sample Description Fractured vein quartz with disseminated sulfides, mostly pyrite with minor chalcopyrite and galena.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
P-24163 TG-121	1.26	\$44.10	0.70	\$0.64	- - -	- - -	- - -	- - -

Report issued _____ Card filed _____ Report mailed 6-9-59 Called for _____

Tip Top Mine
 Lower Upper Applegate District
 NE 1/4 sec. 20, T. 38 S., R. 5 W.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number BG-59

Grants Pass, Oregon
~~Baker, Oregon~~

January 31, 1941

Sample submitted by Howard H. Griffith, Provolt, Oregon

Sample description Gray, milky quartz with a small amount of iron oxide.
2 lbs. 3 inches 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 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					
	Trace		Blank						

Market Quotations:

Gold ⌘ per oz.
 Silver ⌘ per oz.
 ⌘ per oz.
 ⌘ per oz.

STATE ASSAY LABORATORY

 Assayer

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M013423
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 DEPOSIT NO..... DDGM 100-318
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 81 04
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... SNOW BIRD
 SYNONYM NAME..... AMERICAN BEAUTY, TIP TOP

MINING DISTRICT/AREA/SUBDIST. LOWER APPLGATE

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

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

COUNTY..... JOSEPHINE
 DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 49

QUAD SCALE QUAD NO OR NAME
 1: GRANTS PASS

LATITUDE LONGITUDE
 42-15-24N 123-18-53W

UTM NORTHING UTM EASTING UTM ZONE NO
 4678100. 474050. +10

TWP..... 38S
 RANGE..... 05W
 SECTION.. 20
 MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: NE1/4

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. AJ.

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL.....
OCCURRENCE..... AG CU PB

DRE MATERIALS (MINERALS,ROCKS,ETC.):
PYRITE, CHALCOPYRITE, GOLD, GALENA

COMMODITY COMMENTS:
VALUES ARE SPOTTY

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
PRESENT/LAST OWNER..... DAVE VALLAGIGHAM (1974)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

LODE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 12 FT
STRIKE OF OREBODY.... N35W
DIP OF OREBODY..... NE

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):
DEVELOPED BY ABOUT 550 FEET IN 3 ADITS PLUS SURFACE CUTS.

PRODUCTION

YES

SMALL PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... METASEDIMENTS

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET K/AR 140 - 150 MY
IGNEOUS ROCK TYPES..... QUARTZ DIORITE

PERTINENT MINERALOGY..... QUARTZ, CALCITE

Tip Top Mine

sec. 23, T. 37 S., R. 5 W.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

ASSAY REPORT

Office Number AG-1389
AG-1390

Grants Pass, Oregon
~~Baker, Oregon~~

November 2, 1934

Sample submitted by James L. Savage, 616 C. Street, Grants Pass, Oregon

Sample description No. 1--Glassy, white milky quartz. 2 lbs. 2 1/2 inches.

No. 2--Glassy white milky quartz containing a small amount of chalcopyrite

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.

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Sample Number	GOLD		SILVER						Total Value
	Ounces per ton	Value	Ounces per ton	Value	Percent	Value	Percent	Value	
1	0.10	3.50	Trace						\$3.50
2	Trace		Blank						

Market Quotations:

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

STATE ASSAY LABORATORY

Assayer

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Geology:

The Preliminary Geologic Map of the Grants Pass Quadrangle (Wells, '40) shows a lens of metasediments cutting the metavolcanics in the area of this prospect. Diorite intrusives are mapped a half mile to the north-east and one mile to the south and diorite dikes are found in the Oregon Bonanza one mile to the east.

The workings of the American Beauty are in diorite and related rocks and metasediments. Metavolcanics are exposed a short distance to the west. The diorite is thought to be a dike cutting the metasediments nearly at right angles to the strike of the lens. It varies from a medium grained diorite to a dark colored, fine grained rock which should probably be called an amphibolite. The metasediments are principally argillites. They are black in color, very dense, and have a rough parting.

The veins occur in a fracture zone that has a SE-NW trend. The zone is at or near the contact between the diorite and the metasediments. Its greatest width noted was 12.8'. This was above the portal at adit E. The smallest width was 3.8' at cut I. Two main quartz veins lie along or within a couple of inches of either wall of the zone. The vein along the hanging wall appears to be the stronger of the two. It varies in width from 1" to 4.4', and will average around 1.0'. The footwall vein varies in width from 0' to 5.5' and will average around 0.5'. It was not recognized in cuts A or G. Inclusions of country rock within the quartz are more noticeable in this vein. The strike of the veins varies from S14E to S33E, the greatest length, however, is in the S25-33E range. The dip is to the northeast and varies from 60 to 80 degrees. Swelling and pinching of the veins is common. At the crosscut and shaft in adit D the two veins have joined, giving an overall width of 9.9' with the east wall still in quartz. The hanging wall probably isn't many inches away, however, as it is exposed in the shaft. Fifty feet vertically above, adit E is all in quartz and probably represents the upward continuation of this pod. In adit C at station 5, approximately 50' below the crosscut, the footwall vein is 2.5' wide and the hanging wall vein is 2.1' wide. Evidently the veins split a short distance above the back at this point. A conservative outline of this chute is given on the map. Whether or not the veins exposed in cut A and cut I are the extensions of the vein exposed in the rest of the cuts and adits could not be determined, but it is thought that they are. The quartz of the vein probably represents a later phase of the magma which furnished the diorite. The mineralization accompanied the quartz. At least part, if not all, of the gouge in the zone was probably formed with the injection of the quartz for the bulk of the gouge lies between the two main quartz veins. The gouge is light buff in color, soft, and where dessicated very "punky". One half inch to 2 1/2 inch quartz veins running through it are common. Included in the gouge and quartz are numerous xenoliths of altered country rock. These xenoliths are a dark grayish-green color and are composed principally of chlorite, epidote, sericite, quartz, calcite, and disseminated sulphides.

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Report by: Len Ramp 9/8/59.

Informant: Erle N. Young.

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The ore minerals are free gold, pyrite, and chalcopyrite. The gangue minerals of the vein are quartz, calcite, and altered wall rock. Oxidation products are limonite and malachite, the latter occurring as a stain in the quartz near the face of adit C. The calcite occurs mainly as small veinlets with quartz in the altered country rock. It is most noticeable in adit C between the two veins approximately 125' to 165' in, and near the face of the drift.

Mining:

The barest of prospecting; hand tools only.

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Economics:

Before any estimates as to the amount of ore in sight can be given thorough sampling should be done. However, going on the basis of the reports of the 5 or 6 tons of ore taken from the shaft by the Messenger brothers around 1905 there is at least 1000 tons in the chute outlined on the map. It should be borne in mind that this information is by word of mouth and many years old. Mr. Griffith estimates that there are 200 tons on the dump at adit C, 150 tons at adit D, and 50 tons at adit E. Grab samples from these dumps taken by Mr. Griffith and assayed by the Montana Assay Co., ran \$15.00, \$18.00 and \$8.00, respectively. I believe his estimates on the tonnage are high.

Further exploration between adit C and cut A should be carried on to determine whether or not the veins are continuous. If so this would expose considerable more tonnage, provided, of course, that the gold content of the vein is sufficient.

It is quite likely that continued exploration on the present drifts would uncover other swells in the vein. The present vein width at the different faces is enough to warrant continued work, if the gold values are great enough.

Cost of mining should not be out of the ordinary.

It would not be difficult or expensive to reopen the road from the Humdinger to this property.

There is not sufficient water or a site for a mill on the property. Powell Creek, less than $\frac{1}{2}$ mile, airline, to the north and approximately 1000' lower in elevation affords both of these. There is sufficient timber for any type of operation.

This is in the mineralized area bounded by Powell, Mungers, and Williams Creek. The Oregon Bonanza Mine is one mile to the east, the Humdinger is less than a mile to the southeast, and the Red Rose is a little over a mile to the west. All of these mines have been producers.

Mr. Griffith would like to sell the property. If he doesn't get any buyers he plans to install a small 2 ton ball mill and mine the high grade.

Informants:

H. H. Griffith
Jim Bristol

Addendum:

The assays speak for themselves: see attached sheet.

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Assays:

<u>Sample No.</u>	<u>Au.</u>		<u>Ag.</u>		<u>total value</u>
	<u>oz/ton</u>	<u>value</u>	<u>oz/ton</u>	<u>value</u>	
G G 135	0.135 oz.	\$4.7255	Trace		\$4.725
136	0.14 oz	\$4.90	Nil		\$4.90
137	0.06 oz	\$2.10	Nil		\$2.10
138	0.01 oz	\$0.35	Nil		\$0.35
139	0.03 oz.	\$1.05	Nil		\$1.05
140	0.01 oz	\$0.35	Trace		\$0.35
141	0.03 oz	\$1.05	Trace		\$1.05
142	Nil		0.31 oz	\$0.28	\$0.28
143	Nil		0.24 oz	\$0.217	\$0.217
144	Trace		Trace		
145	Trace		Nil		
147	0.01 oz	\$0.35	Nil		\$0.35
148	Nil		Trace		
149	0.025 oz	\$0.875	Trace		\$0.875
150	0.07 oz	\$2.45	0.40 oz	\$0.362	\$2.812

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