

MAR 4 1939

Grants Pass Dist
Josephine County

Hugo Silica Mine (Silica)
Also known as Snowball Group

Owners: Chas. Snider, Jim Havens of Grants Pass, Oregon
and Glen McKy of Hugo, Oregon.

Location: 3 miles S. W. of Hugo, which is a station on the
Southern Pacific Railroad, about 13 miles north
of Grants Pass and in Sec. 5, T. 35 S., R. 6 W. at
an elevation of 1300 feet.

Area: Consists of 5 full size lode claims held by
location.

Production: 5 cars were shipped in 1936 and 4 cars in 1937
to the Columbia Steel and Electric Steel of Portland,
Oregon. Property has been idle since spring of 1937.

Equipment: 1 Gyratory Crusher and
1 Medford Ball Mill

Geology: A granitic country rock in which the quartz occurs
as a pegmatite vein. The owners have traced this
vein and opened it up at intervals for approximately
1/2 mile. They feel that a very large tonnage is
represented. I do not feel that this is the case
because pegmatites cannot be depended upon until it
is fully developed. I believe there is at least 2000
tons represented in the deposit. The silica is of
a good grade but will necessitate hand picking and
washing before it can be sold as a commercial product.
Mining cost will run between 2 and 3 dollars.

They have a 3 mile haul to the railroad. No water
on the property.

nt: J. E. Morrison. February 25, 1939.

HUGO SILICA MINE UNDER OPERATION

Termed by engineers one of the
purest ledges of silica in the United
States, a huge deposit is now
being mined near Hugo, northwest
of Grants Pass about 15 miles.

The property is owned by
Charles Snider, Glenn McKy and
Jim Havens, and has been leased
to W. B. Sullivan.

For some time Mr. Sullivan has
been engaged in distributing agri-
cultural lime from the Gold Hill
cement plant. Now he has begun in-
stalling machinery at the Hugo
property to take out quantities of
the silica, to be ground on the site
and distributed over the state.

The silica is used as chicken grit,
to harden steel, and the whitest is
used in white plaster.

The ledge is about one half mile
long, 20 feet wide, and possibly 100
feet deep. Snider and his associ-
ates shipped about seven cars a
year to Portland to be used in tem-
pering steel and as chicken grit.

Sulphide - A combination of a
metal with sulphur.

JAN 27 1937

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

HUGO SILICA MINE (silica)
also known as Snowball Group

Grants Pass area

Owners: Charles Snyder, Jim Havens, of Grants Pass, Oregon and Glen Mackie, at Hugo, Oregon

Location: 3 miles southwest of Hugo in the NE $\frac{1}{4}$ of sec. 5, T. 35 S., R. 6 W., at an elevation of 1300 feet. Hugo is a station on the Southern Pacific Railroad, about 13 miles north of Grants Pass.

Area: Consists of 5 full size lode claims held by location.

History: Hodge, 38;1 reports as follows:

"Location: This deposit is located on the east side of the valley of Bummer Creek in the NE $\frac{1}{4}$ sec. 5, T. 35 S., R. 6 W., in Josephine County. It is roughly 3 miles from Hugo and 4 miles from Merlin by gravelled county road. It is jointly owned by Glen Mackie and C. A. Snyder, Grants Pass, Oregon.

"Topography: The deposit forms a small nose on the west side of a steep ridge, being about 300 feet above the creek, and 0.4 mile by winding dirt road from the Hugo-Merlin road.

"Geology: The quartz crops out in an area about 50 feet across and has been opened by a 50-foot open cut with a maximum depth of 15 feet. A smaller shallow cut 30 feet long extending westward from the main opening was for exploration only.

"The deposit is a mass of pegmatitic quartz partly in greenstone and partly in a weathered granitoid rock and is undoubtedly genetically related to the latter. The quartz is cut by feldspar pegmatite dikes up to 18 inches thick, and feldspar crystals are scattered sparsely through the main quartz mass. The quartz is highly shattered and somewhat stained in places, though some of it is exceptionally pure.

"Development: A loading platform at the north end of the cut is placed on a level with the floor of the pit. The rock is transported by wheelbarrow.

"Economics: The commercial quartz area is about 25 feet square, or about $\frac{1}{3}$ the area of the pit. Blocks of pure quartz 12 inches on a side may be obtained, but the small size and nature of the deposit may preclude possibility of production of pure silica on a large scale.

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

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"Production: Present production is limited to about 50 tons a month for use in sandblasting in Portland. The price paid is reported to be \$5.50 a ton, quarry run, f.o.b. Hugo or Merlin."

Production: 5 cars were shipped in 1936 and 4 cars in 1937 to the Columbia Steel and Electric Steel, Portland, Oregon. Property has been idle since spring of 1937.

Equipment: 1-Gyratory Crusher and 1-Medford Ball Mill.

Geology: A granitic country rock in which the quartz is probably of pegmatitic origin. The owners have traced this vein and opened it up at intervals for approximately one-half mile. They feel that a very large tonnage is represented. That this is the case would be questionable because pegmatites cannot be depended upon until they are fully developed. About 2000 tons are exposed in the deposit. The silica is of good grade but will necessitate hand picking and washing before it can be sold as a commercial product. Mining cost will thus be relatively high.

There is a 3 mile haul to the railroad. No water is available on the property.

Informant: J. E. Morrison, 1939.

Reference: Hodge 38;1 (quoted).

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JG-33
SiO₂

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

copy

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 as fully as possible and submit this blank filled out along with the sample.

Your name in full J. A. Phillips

Post office address 312 East "I" St. Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 2-17-49

Name (or names) of owners of the property C. W. McKy

Are you hiring labor? _____

Name of claim sample obtained from Snowball Group

Are you milling or shipping ore? _____

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 Grants Pass

Township 35 S Range 6 W Section 5 Quarter section _____

How far from passable road and name of road 200 Ft. from Bummer Creek road

Channel (length) Grab Assay for Description

Sample no. 1 _____ x SiO₂ white quartz

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

(Signed) J. A. Phillips

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

Description Pure white quartz

Sample number	GOLD		SILVER		SILICA SiO ₂			
	oz./T.	Value	oz./T.	Value				
P-8260 JG-33	---	--	---	--	98.52%	---	---	---

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

JG-33
SiO₂

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P-8260 JG-33	---	--	---	--	98.52%	---	---	---

Report issued Card filed Report mailed Called for

RECORD IDENTIFICATION

RECORD NO..... M061351
RECORD TYPE..... X1N
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGMI 100-154
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
UPDATED..... 81 03
BY..... SMITH, ROSCOE M.
FERNs, MARK L. (BROOKS, HOWARD C.)
FERNs, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... HUGO SILICA
SYNONYM NAME..... SNOWBALL GROUP.

MINING DISTRICT/AREA/SUBDIST. GRANTS PASS

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

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

COUNTY..... JOSEPHINE
DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
1: 62500 GLENDALE

LATITUDE LONGITUDE
42-33-20N 123-25-59W

UTM NORTHING UTM EASTING UTM ZONE NO
4711350.0 464450.0 +10

TWP..... 35S
RANGE..... 06W
SECTION.. 05
MERIDIAN. WILLAMETTE

LOCATION COMMENTS: NE 104

EXPLORATION AND DEVELOPMENT
 STATUS OF EXPLDR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

PEGMATITE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS
 SURFACE

COMMENTS(DESCRIP. OF WORKINGS):

OPEN CUT 50X50X15 DEEP

PRODUCTION

YES

SMALL PRODUCTION

23 SIL, EST .500 TONS 1986-1988 QUARTZ

RESERVES ONLY

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE OR USE
1		2.000	TONS	1939	MEAS

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... LJUR-CRET (7AR 136 MY
 HOST ROCK TYPES..... QUARTZ DIORITE

AGE OF ASSOC. IGNEOUS ROCKS.. LJUR-CRET
 IGNEOUS ROCK TYPES..... QUARTZ DIORITE

LOCAL GEOLOGY

NAMES/AGE OF IGNEOUS UNITS OR IGNEOUS ROCK TYPES

1) NAME: GRANTS PASS PLUTON
 AGE: LJUR-CRET

GENERAL REFERENCES

1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100.