

## NAME OF PROPERTY

SUNRISE (HEDLEY MONARCH)

OBJECT LOCATED - Symbol on Map 82 E/5 W.

## UNCERTAINTY IN METERS

Lat. 49°15'45" Long. 119°49'50"

Mining Division Osoyoos

District Similkameen

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

## OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

All the showings lie within a stock of pyroxenite which intrudes sedimentary and volcanic rocks of the Triassic (?) Shoemaker formation. The pyroxenite is intruded by diorite and by a still younger syenite. Dykes of andesite intrude pyroxenites and syenite.

The pyroxenite, originally chiefly augite, has undergone successive alterations with the development of biotite, calcite, quartz and orthoclase. The syenite also is markedly affected by the introduction of quartz and orthoclase.

The Sunrise showings consist of narrow quartz veins lying in and near apophyses of the principal syenite mass and to a minor extent in the pyroxenite. The principal showing is the Sweetener vein, which is exposed in the north side of the Shepherd adit. It is in a narrow shear in syenite striking east-west and dipping 80 degrees north. The quartz is about an inch wide and locally, with rock inclusions, up to about 4 inches wide. The vein is mineralized with quartz, pyrite, chalcopyrite, galena, sphalerite, and gold. The vein is cut off at the Shepherd adit face by a northward-striking andesite dyke. The Sunrise and Shepherd veins occupy parallel fractures and are comprised of barren quartz. The Powder adit follows a southwesterly striking unmineralized shear in pyroxenite.

Associated minerals or products of value - Silver, copper.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The Sunrise claim is located about a quarter of a mile southwest of the village of Olalla.

Narrow quartz veins on the claim have been prospected intermittently since 1900. The Sunrise claim (Lot 18 S) was Crown-granted in 1908 to J.L. Drumheller. The claim was owned in 1931 by W.C. McDougall of Olalla. Previous development work included 3 adits, totalling about 350 feet, known as the Sunrise, Shepherd, and Powder "tunnels", and the 45 foot Sunrise shaft.

Olalla Gold Mines, Limited, was incorporated in 1935 to acquire the property; the company name was changed in 1936 to Hedley Crest Mines, Limited. Gold Valley Mines, Ltd., incorporated in 1936, acquired the Sunrise, and Something Good (82 E/4, Au 1) claims. Work by the company continued into 1939 and was largely confined to the Something Good.

Hedley Monarch Gold Mines, Limited, incorporated in 1945, began development work on the Sunrise in 1946. Diamond drilling was done in 5 holes totalling 1,752 feet. Drifting and cross-cutting in the Shepherd and Powder adits totalled 470 feet. A fourth adit, Haulage adit, was driven 50 feet. Work was suspended in June 1947. Lessees D. Cameron & associates shipped ore from the Shepherd adit in 1948.

Friday Mines Limited acquired the assets, apparently including a 40 ton-per-day mill, of Hedley Monarch in about 1960. Stripping and diamond drilling was reported in 1961. The company name was changed to Polaris Mines Limited in 1966 and to Titan-Polaris Mines Ltd. in 1973.

*Section 145(1) in 1972*

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

511843 \*

HISTORY OF PRODUCTION

In 1948, 255 tons of ore were shipped from this property. From this ore 137 ounces of gold, 121 ounces of silver, and 461 pounds of copper were recovered.

REFERENCES

McKechnie, N.D.; Sunrise, Golconda, Copper King; Report of Minister of Mines, British Columbia, 1961, pp. 59-62.

Reports of Minister of Mines, British Columbia: 1908, p. 251; 1931, p. 136; 1936, p. D-13; 1937, p. D-17; 1939, p. 75; 1945, p. 92; 1946, p. 151; 1947, p. 151; 1948, p. 124.

Mineral Resources Branch; Corporation Files: "Hedley Monarch Gold Mines, Limited"; "Titan-Polaris Mines Ltd.".

MAP REFERENCES

Plan of workings, Fig. 11, Report of Minister of Mines, British Columbia, 1961, p. 61.

Map 628 A, Olalla, (Geol.), Sc. 1":1 mile. (1941).

Map 15-1961, Kettle River, (Geol.), Sc. 1":4 miles.

\*Map 82 E/5 W, Penticton, (Topo.), Sc. 1:50,000.

REMARKS

|               |       |  |  |  |  |  |  |
|---------------|-------|--|--|--|--|--|--|
| Comp./Rev. By | DMacR |  |  |  |  |  |  |
| Date          | 12-73 |  |  |  |  |  |  |