| PRODUCT | SILVER | TERRITORY | British Columbia | N.T.S. AREA | 92 I/7 | REF. | AG 1 |
|---|---|---|---|---|---|---|---|

NAME OF PROPERTY THELMA, CORONA (SWAKUM MOUNTAIN)

OBJECT LOCATED - Mine symbol, Map 92 I/7.

UNCERTAINTY IN METRES 300. Lat. 50°16'20" Long. 120°42'

| | | | |
|---|---|---|---|
| Mining Division | Nicola | District | Kamloops |
| County | | Township or Parish | |
| Lot | | Concession or Range | |
| Sec | Tp. | R. | |

OWNER OR OPERATOR

DESCRIPTION OF DEPOSIT

The property is underlain by Upper Triassic Nicola group lavas, tuffs, and conglomerate with minor intercalated limestone as bands or lenses. The main Thelma workings comprise an open cut which leads to an adit which reaches a depth of only a few feet below the surface. The shaft intersects the adit. In the open-cut the mineral zone is from 10 to 15 feet wide, and is situated in limestone practically at the contact with greenstone. An ore shoot 10 to 12 feet wide and 25 feet long has been mined from this open-cut, and from it material was sorted for shipment. The best of the ore encountered in this cut and by the adit has been removed. Some narrow streaks of galena appear along the walls of the adit, and apparently both the galena and sphalerite occur as streaks and disseminations in the limestone. About 150 feet northerly from the shaft an open-cut shows a mineralized zone in greenstone about 15 feet wide, and this is followed 15 feet south by an adit. A number of slips traverse the greenstone in different directions, and the rock is brecciated in places. Small bunches of galena and sphalerite appear in the greenstone.

see Card 2 ....

Associated minerals or products - Lead, zinc, gold.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at approximately 5,200 feet elevation 1 mile south of the summit of Swakum Mountain, some 12 miles north-northeast of Merritt.

Eight claims were Crown-granted, the Thelma, Bernice, Old Evelyn, Old Corona No. 1 & No. 2, and Old Complex Nos. 1-3 (Lots 4502, 4510-4513, 4892-4894).

The Thelma, Bernice and Old Evelyn claims were staked in about 1925 by Oscar Schmidt & associate. Development work included an open cut, shallow adit and 65 foot shaft. In 1926 the claims were optioned to Vancouver interests who incorporated Thelma Mines, Limited in March 1927. Additional claims were staked. Development work continued into the first half of 1930. The workings included an inclined shaft to 220 feet on the Thelma claim (L 4510). About 300 feet of drifting and crosscutting was done from the shaft at the 65, 125, and 200 foot levels. The shaft was sunk to intersect a shallow adit which extends 80 feet beyond. About 300 feet north of the Thelma workings an inclined shaft was sunk on the Bernice claim (L 4502) to a reported depth of 115 feet. Drifting and crosscutting from the 65 and 115 foot levels totalled 284 feet. About 1,500 feet north of the Bernice shaft an adit was driven on the Old Evelyn claim (L 4511) to a length of about 80 feet. The workings on the Old Corona claims, about 3,500 feet westerly from the Thelma, include several open cuts and a vertical shaft reported to be 65 feet deep.

Sheffield Gold & Silver Mines, Limited acquired the property in 1934. A fire destroyed the Thelma shaft headframe and buildings shortly thereafter and no work was reported. The company shipped a small amount of ore in 1938. In 1941 the company property was sold by court order and acquired by C.A. Calkins of Vancouver.

Torwest Resources Ltd. in 1958 acquired from W. Taylor an option on the Thelma, Bernice and Old Evelyn Crown-grants and on Mineral Leases 5 & 6 covering the Old Corona and Old Complex reverted Crown-grants. Self potential surveys, trenching and drilling were apparently confined to the nearby Old Alameada property at the summit of Swakum Mountain.

Zulco Explorations Ltd. in 1969 held the Old Complex Mineral Lease and the Old Alameada property. An induced potential survey was reported.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa

## HISTORY OF PRODUCTION

During the period 1926-1938, 89 tons of ore were shipped from this property. From this ore 1 ounce of gold, 7,582 ounces of silver, 10,212 pounds of lead, and 12,043 pounds of zinc were recovered.

## MAP REFERENCES

Map 886 A, Nicola, (Geol.), Sc. 1":4 miles - accomp. Memoir 249.

Preliminary Map 44-20 A, Nicola, (Geol.), Sc. 1":2 miles, Paper 44-20, Geol. Surv. of Canada.

Map 5212 G, Mamit Lake, (Aeromag.), Sc. 1":1 mile.

#Map 92 I/7, Mamit Lake, (Topo.), Sc. 1:50,000.

## REMARKS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Comp./Rev. By | DMacR | | | | | | |
| Date | 9-79 | | | | | | |

## REFERENCES


Reports of Minister of Mines, British Columbia: 1927, p. 213; 1928, p. 224 + ; 1929, pp. 246, 440; 1930, p. 207; 1934, pp. D 23; 1935, p. D 14; 1938, p. A 33; 1958, p. 28; 1959, p. 36.

++Cockfield, W.E.; Geology and Mineral Deposits of Nicola Map-Area; Memoir 249, pp. 59-62, 64, Geol. Surv. of Canada, 1948.

Mineral Policy Sector; Corporation Files: "Torwest Resources Ltd."; "Thelma Mines, Limited"; "Sheffield Gold & Silver Mines, Limited".

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 270.


BCI 92 I/SE - 101-104, 107

| PRODUCT | SILVER | PROVINCE OR TERRITORY | British Columbia | N.T.S. AREA | 92 I/7 | REF. AG 1 |
|---|---|---|---|---|---|---|

NAME OF PROPERTY THELMA, CORONA (SWAKUM MOUNTAIN)

DESCRIPTION OF DEPOSIT (continued)

As indicated by mineralization on the dump, the Bernice showing consists in part of narrow veins and stringers of quartz penetrating greenstone, which is partly altered to ankerite along them. The best of the ore was reported to be in two veins, 2 inches and 18 inches wide respectively, with less intensely mineralized greenstone between them. The ore minerals are pyrite, galena, and sphalerite. The dumps at the Thelma and Bernice were examined for scheelite, but with negative results. An assay of fluorescent material showed it to be hydrozincite.

On the Old Evelyn showing an adit has been driven through a body of low-grade material at the portal, and continued on a narrow vein in greenstone. The mineralized zone at the portal is about 8 feet wide, and shows narrow streaks of galena in greenstone adjacent to a limestone band. The narrow vein comprises a quartz stringer 1 to 2 inches wide in crushed and sheared country rock 4 to 6 inches wide. The quartz shows very little sulphide mineralization.

On the Old Corona claims the lode is said to strike north 40 degrees east, dip 80 degrees northwest, and to be 30 inches wide at the bottom of the shaft where it consists of a well mineralized streak 10 inches wide on the hanging-wall and a 2- to 3-inch streak on the foot-wall, separated by less mineralized greenstone. Galena and sphalerite are said to occur in streaks and masses through the quartz of the mineralized streaks.