

PRODUCT PRODUIT	SILVER	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA RÉGION DU S.N.R.C.	82 N/5	REF. AG 2 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

WAVERLEY-TANGIER

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 51°27' Long. 117°58'

Lat.

Long.

Mining Division
Division minière

Revelstoke

District
District

Kootenay

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The rocks underlying the property consist primarily of light grey, coarsely crystalline limestone with interbedded fine grained quartzites, argillaceous and carbonaceous to graphitic schists, phyllites and some grey Talcose sericite schists. These strike about northwest and dip 60 to 90 degrees northeast. Complex minor folding, shear zones and fissures are common. On the Waverley claim 2 principal veins have been explored. These occur in well-defined fissure zones in a band of dark grey, fine-grained limestone. The main vein, exposed in No. 1 tunnel and probably encountered in the eastern end of No. 2 tunnel, has been developed to only a limited extent. On surface it has been exposed for several hundred feet southeast of the portal of No. 1 tunnel. On the Montague claim 250 yards to the northwest, a short crosscut exposed 4 feet of mineralization on the same vein. The second vein is developed in the No. 2 tunnel and on the 150- and 250-foot sub-levels. The veins are highly oxidized and the minerals, consisting of limonite, anglesite, cerussite, malachite, azurite, smithsonite and occasional nodules of galena and tetrahedrite in a gangue of decomposed limestone, calcite and quartz, occur as irregular

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property in 1935 consisted of 3 Crown-granted claims - the Montague, Waverley and Tangier, and 13 claims held by location.

Old Workings date back to the period 1896-98 when the property was operated by Gold Fields of British Columbia, Limited, an English company which is reported to have spent over a million dollars in development. Gold Fields went into liquidation in 1900 and subsequently the 3 Crown-granted claims were sold to Cecil Boyd, Ole Sandberg and Tom Graham. The property then remained idle until 1918 when it was acquired under lease and bond by G.H. Walters (Walters Investment Co.) of Spokane, who purchased the claims in 1920. Waverley Mines Company was subsequently formed at Spokane to operate the property and had a few men working on the claims for several years during the summer months.

In 1928 the property was acquired by E.J. Cameron and a new company, Waverley-Tangier Mines, Limited, was incorporated to take over and develop the property. However the company - now defunct, had difficulty raising money to finance the operations and nothing was done.

Development, most of which was carried out by Gold Fields of British Columbia, Limited, consisted of the following: on the Montague claim, at an elevation of about 6,200 feet, a short crosscut encountered the vein at a distance of 20 feet from the portal, and a winze was sunk 17 feet on the vein. A sample across 4 feet near the bottom of the winze assayed 0.04 oz/ton gold, 8 oz/ton silver and 11% lead. About 350 feet southeast along the outcrop a sample across 18 inches in a shallow cut gave 0.02 oz/ton gold, 14.4 oz/ton silver and 14.9% lead. (All assays from A.R. 1921, pp. 156-159).

On the Waverley claim, 750 feet southeast and at about the same elevation as the adit on the Montague claim, the No. 1 tunnel was driven 90 feet on the vein which here varies from 14 inches to 2 feet in width. Near the portal a winze was sunk on the vein to a depth of 45 feet. A sample across 2 feet near the top of this winze assayed: 0.06 oz/ton gold, 39.02 oz/ton silver and 17% lead. No. 2 tunnel, about 300 feet southeast and 84 feet below No. 1 tunnel, is a crosscut 330 feet in length. The footwall of the orebody was reached at a distance of 85 feet from the portal and drifted on for 135 feet. Above the inter-

Associated minerals or products - Lead, zinc, gold.
Minéraux ou produits associés

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

It is reported (Western Canadian Mining News, June 24, 1933) that a 15 ton shipment from the 20-foot level of the Tangier gave a return of 1.5 oz/ton gold, 130 oz/ton silver and 25% lead.

REFERENCES/BIBLIOGRAPHIE

Wheeler, J.O.; Rogers Pass Map-Area, British Columbia and Alberta; Paper 62-32, p. 28, Geol. Surv. of Canada, 1963.

Gunning, H.C.; Geology and Mineral Deposits of Big Bend Map-Area, British Columbia; Sum. Rept., 1928, Pt. A, pp. 175-182, Geol. Surv. of Canada, 1928.

Galloway, J.D.; Reports on Snowflake and Waverley-Tangier Mineral Properties; Special Bulletin, Dept. of Mines, B.C., 1928.

Mineral Policy Sector; Corporation Files: "Waverley-Tangier Mines, Limited".

Annual Reports, Dept. of Mines, B.C.: 1896, p. 544; 1898, p. 1062; 1915, p. 117; 1919, p. 140; 1920, p. 127; 1921, pp. 156-159; 1923, p. 232; 1924, p. 204; 1925, p. 259; 1929, p. 333; 1951, p. 193.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 43-1962, Rogers Pass, (Geol.), Sc. 1":4 miles - accomp. report by Wheeler, 1963.

Map 237 A, Big Bend Area, (Geol.), Sc. 1":4 miles - accomp. report by Gunning, 1928.

Map 82 N/SW, Glacier Park, (Topo.), Sc. 1":2 miles.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	08-63						

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NAME OF PROPERTY NOM DE LA PROPRIÉTÉ		WAVERLEY-TANGIER		HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR		
DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)		<p>replacements of the limestone. On the Tangier claim a considerable thickness of pyritic black carbonaceous schist is in contact with a band of white to grey marble at least 120 feet wide. The vein occurs in marble, between 2 fault walls, at or near the marble-schist contact. The vein is composed of calcite, some quartz, and a fine-grained mixture of pyrite, jamesonite, galena, sphalerite and some tetrahedrite. The width of the vein varies from 0 to 6 feet and averages about 2 feet. The sulphides occur in lenses along the vein.</p>		<p>section of the crosscut and drift, where a small stope was started, a sample across 10 feet gave 0.24 oz/ton gold, 77.2 oz/ton silver, lead 18%. The total width of the mineralized zone in this tunnel is about 66 feet, including a 16-foot horse of barren limestone. Across 34 feet of the mineralized zone on the footwall side, assays showed 0.02 oz/ton gold, 16 oz/ton silver and 2.5% lead. A sample across 16 feet on the hanging wall side of the zone, beyond the horse, assayed gold, trace, silver 2.4 oz/ton and lead 0.2%.</p> <p>No. 3 tunnel, 450 feet below No. 1, is a crosscut 760 feet in length. Crosscutting and drifting has been carried out on this level but no important mineralization encountered, although the fissures are present. A 250-foot raise from this level is connected on the 200-foot level by a winze from the No. 2 tunnel. Three sub-levels at 150, 250 and 350 feet below the No. 1 level were established from the winze and raise, and some lateral work done on each.</p> <p>On the Tangier claim a 2-compartment shaft was sunk 100 feet on the vein (80' vertical). At the bottom, drifts were run 220 feet to the southeast and 140 feet to the northwest. In the southeast drift, at a distance of 180 feet from the shaft, a winze was sunk on the vein to a depth of 50 feet. It is reported that the vein was traced on surface for some distance and that an adit, now caved, a short distance north of the tunnel encountered some good ore. Total lateral development in this adit amounted to 829 feet. A dump here contains several hundred tons of ore consisting of galena, sphalerite and a small amount of tetrahedrite in a gangue of quartz, calcite and limestone. A grab sample of this material assayed 0.06 oz/ton gold, 16 oz/ton silver, 8.5% lead and 5% zinc. A picked sample of pyrite and quartz from the same dump assayed 5.6 oz/ton gold and 8.2 oz/ton silver.</p> <p>In 1951 the Albert Canyon Syndicate rehabilitated 6 miles of the 28 mile road from Albert Canyon to the property. However, forest fires disrupted the work and it was not resumed.</p>		