

PRODUCT COPPER  
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 82 E/9  
RÉGION DU S.N.R.C.

REF. CU 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ MAPLE LEAF (GENIE)

OBJECT LOCATED - Maple Leaf claim (Lot 1609 S)  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°33'45"	Long. 118°21'30"
Mining Division Greenwood Division minière	District District	Similkameen
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

Oceanic volcanic and sedimentary rocks of Palaeozoic to Jurassic age are intruded by a Tertiary Coryell alkalic stock and its marginal shonkinitic phase. According to Drysdale (1915, p. 174) the mineralization is of the contact metamorphic type, and occurs in impure quartzite and greenstone near the contact with an intrusive of augite syenite; the marginal facies of this syenite is "shonkinite-pyroxenite". At the upper workings pyrite, chalcopyrite and a little bornite occur as small segregations, veinlets and disseminations in pyroxenite and syenite close to the contact zone. Platinum content is closely associated with the sulphides. Samples taken in 1918 from the workings from which ore was shipped in 1915-16 assayed 0.15 and 0.17 oz/t platinum; a sample of almost pure chalcopyrite from the same workings assayed 0.38 oz/t platinum. The lower showing consists of native copper and carbonates in fractures in tuffs over a width of about 25 feet.

Associated minerals or products - Gold, silver, platinum,  
Minéraux ou produits associés

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

The property is located at 3,700' elevation on the east side of Mount Franklin some 60 km north of Grand Forks. The Union mine adjoins to the south.

The Maple Leaf claim was staked in 1902 on rich copper showings by A. Fee and H.W. Young, of Vancouver. Crown-grants were subsequently applied for on 4 claims, the Maple Leaf, Twilight, Beaver and Climax (lots 1609-1612 respectively). The Dominion Copper Company, operator of a smelter at Boundary Falls, optioned the property in 1906 and carried out trenching and stripping.

The owners, Young & associates, resumed work on the property in about 1913. They incorporated Maple Leaf Mines Ltd. in about 1915 to further develop the property. In 1915-16 two car loads of sorted copper ore were shipped from open cuts to the Grand Forks smelter. Assays carried out at the smelter revealed the ore contained platinum. A new low-grade copper showing was discovered in 1917 on the Beaver claim. With financing through stock promotion the company in 1919-20 drove an adit through this showing (about 25') and continued some 300' westerly into the barren rock. Partial installation of ore bins and a 50 ton smelter was carried out. Ownership of the property subsequently passed to Bartle & associates, of Oroville, Washington.

Hecla Mining Company, owner of the Union mine adjoining to the south, optioned the property in 1927. Underground development work was reported in 1932-33 with some diamond drilling in the latter year. The workings to date included, in addition to the 340' long lower crosscut adit mentioned above, two shafts of about 20' and 40' depth, with a 15' crosscut from the latter, an upper crosscut adit initially to 150' but extended in 1932, and an intermediate level 100' below No. 1; this work failed to find additional ore.

The property was restaked in 1952 by J.A. and E.V. McDougall. Ensign Oils, of Calgary subsequently examined the property and a couple of holes were drilled to test magnetic highs away from the contact area. Franklin Mines Limited (H. Huestis & associates) held 257 claims including the Maple Leaf ground in 1964-65. Work included limited

see Card 2 ..

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1915-16, 40 tons of ore were shipped from this property. From this 2 ozs Au, 199 ozs Ag and 6,031 lbs Cu were recovered. The first shipment of 23 tons assayed 0.26 oz/t platinum and a further shipment of 17 tons in 1916 assayed 0.20 oz/t platinum (EG 13, p. 104).

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1906, p. 164; 1913, p. 169; 1914, p. 353; 1915, p. 201; 1916, p. 518; 1917, p. 201; 1918, p. 206; 1919, p. 165; 1920, p. 153; 1921, p. 181; 1922, p. 169; 1925, p. 193; 1927, p. 225; 1932, p. 121; 1933, p. 149; 1964, p. 112.

+Drysdale, C.W.; Franklin Mining Camp, British Columbia; Memoir 56, pp. 173, 174, Geol. Surv. of Canada, 1915.

Thomlinson, Wm.; Sampling of Some Platinum Bearing Lodes in British Columbia; Munitions Resources Commission, Canada, Final Report, 1920, p. 161.

J.J. O'Neill and H.C. Gunning; Platinum and Allied Metal Deposits of Canada, Economic Geology Series No. 13, p. 104, Geol. Surv. of Canada, 1934.

Drysdale, C.W.; Franklin Mining Camp, Summary Report 1911, p. 137, Geol. Surv. of Canada.

McDougall, J.J.; Preliminary Report on Platinum, Franklin Mining Camp, 31/10/85 - in Longreach Resources Ltd. Statement of Material Facts, 10/07/86.

+Occurrence & Distribution of Platinum-Group Elements in British Columbia; Open File 1986-7, pp. 47-51, BCDM.

Western Miner, September 1955, p. 44.

Northern Miner, 10/07/69, p. 17.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 6-1957, Kettle River (West Half), (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

Map 97 A, Franklin Mining Camp, (Geol.), Sc. 1":2,000', accomp. Memoir 56.

Sketch Map of Maple Leaf Group, Report of Minister of Mines, B.C., 1914, p. 342.

Franklin Camp, Claim Map, Report by McDougall, 1985.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	11-86						

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NAME OF PROPERTY NOM DE LA PROPRIÉTÉ	MAPLE LEAF (GENIE)
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HISTORY OF EXPLORATION AND DEVELOPMENT (continued)  
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

diamond drilling on the Maple Leaf; best assays were 14' of 0.259 oz/t Pt, 1.36% Cu; 15' of 0.102 oz/t Pt, 0.7% Cu; 10' of 0.051 oz/t Pt, 0.8% Cu. A geochemical soil survey was carried out for owner McDougall in 1972. Newmont Mining Corporation carried out sampling on Maple Leaf ground in 1968 while doing regional copper exploration.

Pearl Resources Ltd in about 1980 acquired the Par, Dodge, Kingfisher and M & M claims covering the Maple Leaf ground from E.V. McDougall. The property was sub-optioned to 24-K Mining Inc in 1985 and to Longreach Resources Ltd in 1986.