

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/6
RÉGION DU S.N.R.C.

REF. AU 11
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

TAMARAC

OBJECT LOCATED - adit, Tamarac claim.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°18'55"

Long. 117°12'20"

Mining Division Nelson
Division minière

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

Map 1144 A indicates the property lies within an area of volcanic flows, agglomerate and augite porphyry of Lower Jurassic age close to the contact with feldspar porphyry of the Nelson intrusives. Lamprophyre dykes cut all rock types and probably the quartz veins also. Gold bearing veins are found primarily in the feldspar porphyry although the augite porphyry can be mineralized. Early reports described the showing as a quartz vein from one to several feet in width occurring in a curving, east-west trending fissure which dips to the north at from 30 to 50 degrees. Ore shoots are localized at relatively sharp bends in the fissure; early reports make reference to more than one vein. Later reports refer to a number of gold bearing veins from 0.5 cm to 2.5 m in width with up to 3 m of altered gold-bearing rock on each side.

Associated minerals or products - Silver, copper.
Minéraux ou produits associés

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

The Tamarac claim (Lot 3802) is located at the 4,500 foot elevation, 1 mile east of the Salmo River and 2 miles north of Ymir. The main claims are the Tamarac and Racatam. Adjacent ground to the north has been variously held as the Plymott claim (Lot 2399); later Crown-granted as the Pharoah Fr. (Lot 15180), and the Lone Pine claim which was reportedly restaked in 1932 as the Pathfinder, and later Crown-granted as the Rainbow Fr. (Lot 12267).

The showings were staked in September 1896 by J. W. Handen. The Kenneth Mining and Development Company, Limited Liability began work on the property in 1897 and 5 claims, the Tamarac, Racatam, October, October Fr. and Dinner Bucket (Lots 3802-3806 respectively) were Crown-granted to the company in 1899. Adjacent ground to the south and east was subsequently Crown-granted as the King Solomon Fr. (Lot 12269) and Queen of Sheba Fr. (Lot 15181). About 550 feet of development work was done in a crosscut and drift from which two mineralized vein segments were partially explored by raises and winzes.

Tamarac Mines, Limited was incorporated in July 1900 to acquire the property and about 250 feet of underground work was carried out that year. A 5,000 foot tramline to the railway was completed in 1901 and several small ore shipments to the Hall Smelter at Nelson were made before the tramline was destroyed by a forest fire in 1902. Underground development to that date totalled about 1,600 lineal feet. Lessees shipped a small tonnage to the Boundary Falls Smelter in 1905 but the operation proved unprofitable.

By 1928 the property had been acquired by E.W. Widdowson, of Nelson, and limited rehabilitation carried out. Late in 1932 A.T. Powell, of Nelson, optioned the property and began work in an old shaft on a separate vein about 120 feet north of the adit portal. The Pathfinder claim adjoining the Tamarac claim on the north, was staked in August 1932 by D.T. Graney, of Ymir, who drove a 110 foot crosscut adit. The claim was subsequently acquired by Powell, who carried out development work on the combined property from November 1932 until March 1933 when work ceased; several shipments of ore were made to the Tacoma Smelter in February and March.

In 1935 Widdowson optioned the property to W.G. Wilkins and associates but little work was reported. Balsam Gold
see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Recorded production for the period 1899-1933 totals 182 tons. From this ore 113 ounces of gold, 13 ounces of silver, and 22 pounds of copper were recovered. In 1959, 200 tons of ore were shipped but returns are not given.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1897, p. 531; 1899, pp. 843, 846; 1900,
 pp. 843, 846; 1905, p. 168; 1928, p. 334;
 1932, p. 187; 1933, p. 228; 1935, p. G 50;
 1936, p. E 45; 1937, p. E 45; 1938, p. E 38;
 1958, p. 37; 1959, pp. A 48, 61.

+ Drysdale, Charles W.; Ymir Mining Camp, British Columbia; Memoir 99, pp. 50, 98, Geol. Surv. of Canada, 1917.

Cockfield, W.E.; Lode Gold Deposits of Ymir-Nelson Area; Memoir 191, p. 43, Geol. Surv. of Canada, 1936.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1933, Rept. 743, p. 1 (No. 483).

++ Burton, A.; Report on Tamarac Mineral Property, Feb. 1980 - in Greenwood Explorations Ltd. Statement of Material facts, May 1, 1980.

Minerals Sector; Corporation Files: "Balsam Gold Mines, Limited"; "Greenwood Explorations Ltd."; "Wirlwind Resources Ltd."; "Yukon Spirit Mines Ltd.".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

#Map 1144 A, Ymir, (Geol.), Sc. 1":1 mile, Geol. Surv. of Canada, 1964.
 Map 175 A, Ymir, (Geol.), Sc. 1":1 mile - accomp. Memoir 94.
 Preliminary Map 51-4 A, Ymir, (Geol.), Sc. 1":½ mile - accomp. Paper 51-4, Geol. Surv. of Canada.
 Mineral Reference Map No. 4, (claim map), Sc. 1":1 mile, Dept. of Lands, B. C., 1929.
 Block diagram of Tamarac vein, Fig. 3, Memoir 94.
 Map 8480 G, Nelson, (Aeromag.), Sc. 1":1 mile.
 *Map 82F/6, Nelson, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL					
Date Date	01-81	02-90					

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

Mines, Limited optioned the property in the latter half of 1936 and intermittent work to early 1938 included rehabilitation of the workings, driving a new adit at a lower elevation, and 200 feet of diamond drilling.

In 1958 rehabilitation work was begun by owners George Powell and Lewis Lunde, who incorporated Tamarac Mines Ltd. in March 1959. In October of that year an option was given to Pacific Western Metals Ltd. Bulldozer stripping was reported and about 200 tons of ore carrying \$30.00 per ton in gold were crushed and beneficiated.

Greenwood Explorations Ltd. optioned 9 Crown-granted claims from Tamarac Mines Ltd. in August 1979. Trenching, geological mapping, and a geochemical soil survey were carried out. Work during 1980 included diamond drilling in 18 holes. Proven, probable and possible reserves were estimated at 630,000 short tons grading 0.103 oz/t Au (Northern Miner, 25 Dec., 1980). In 1980, Greenwood diamond drilled 18 holes and revised reserves to proven 55,890 tonnes at 0.147 oz/ton Au; probable 63,180 at 0.065 oz/ton Au; possible 440,640 tonnes at 0.13 oz/ton Au. (Prospectus Wirlwind Resources Ltd., August 11, 1988). In 1988, Wirlwind Resources Ltd. optioned the property but dropped it in 1989. Yukon Spirit Mines Ltd. optioned 50% and did VLF-EM magnetic and soil geochemical surveys, mapping and sampling.