

PRODUCT GOLD (PLACER)
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 93 N/10, 15
RÉGION DU S.N.R.C.

REF. AU 4
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

GERMANSSEN RIVER

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°43' Long. 124°37'30"

Mining Division Omineca
Division minière

District
District

Cassiar

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

Bedrock exposed along Germansen River consists mainly of interbedded slates, argillites, and greenstones of the Cache Creek group. Several small bodies of serpentine cut these Cache Creek rocks. Quartz veins are fairly numerous, particularly in the greenstone bands.

At the upper workings, about 7 miles above the river mouth, the following types of placer deposits are found: (1) placer deposit on low-lying benches and in the bed of the river; (2) placer deposits lying on rock benches that form an extensive system at an elevation of about 35 feet above the river; and (3) placer deposits in a deeply buried channel system below river level. The main workings are of the second type; the benches are overlain by a more or less cemented layer of pieces of shattered bedrock, and by fine and coarse gravels. Resting on the gravels is up to 50 feet of boulder clay. Gold is contained in the gravels overlying the cemented material, more especially in the coarser gravels; in the cemented material overlying bedrock; and in the cracks and crevices of the latter. The gold is in the main coarse, both nuggety and somewhat flat.

p.t.o.

Associated minerals or products
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Germansen River joins the Omineca River about 54 miles north-east of Takla Landing.

Placer gold was discovered on the Germansen River in 1870 and the northwest trending part of the river has been worked almost continuously since then by individuals, and at times by companies. The Caledonia General Mining Association, Limited Liability, of Victoria, purchased 640 acres of placer ground on the river in about 1897. The St. Anthony Exploration Company, of Santa Barbara, California, bought 8 leases on the river from the Omineca Consolidated Company Ltd. in 1899. Some 520 feet of prospecting tunnels were run and a 90 foot deep shaft was sunk. The company abandoned the leases in 1902. The Royal Standard Investment Company, of Vancouver, prospected leases on the river in 1913.

Germansen Placers, Limited, was organized in April 1931 to carry out a hydraulic operation on a section of the river about 7 miles above its mouth. Hydraulicking was done on rock benches on either side of the river during 1932 and 1933. A new company, Germansen Placers Limited, was organized in February 1934 to continue the placer operations on this section of the river; the company name was changed in April 1934 to Germansen Mines, Limited. The company carried on intermittent hydraulic operations until 1943; the water supply was obtained by ditch and flume from the south fork of the Germansen River. In 1953 the company optioned the ground to K.H. Armstrong, of Seattle. The company charter was surrendered in June 1956. Mrs. R.M. Tait carried out a drag line and sluice box operation on this section of the river in 1959 and 1960.

Germansen Ventures, Limited, a subsidiary of Ventures Exploration Company (East Africa), Limited, was organized in September 1937 to acquire 12 leases on the lower end of the Germansen River and on Plug Hat Creek. Construction of a 15 mile ditch and flume from Germansen Lake to the workings had begun late in 1936. Two main pits were worked, and for several years about 1,000,000 yards of gravel were moved each season. Operations were suspended in July 1942 and the company charter was surrendered the following year. Subsequent operations in these pits were carried on by G.H. Loper from 1946 to 1952, by A. Pendle & associates from 1954 to 1956, and by Gene Jack from 1959 to 1961. Lincoln Gold Placers, Ltd., operated a monitor on Little Lost Creek, a tributary of the Germansen River, in 1948.

p.t.o.

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

"The recorded production from Germansen River is 24,138 ounces of placer gold." (J.E. Armstrong, 1949, p. 145).

REFERENCES/BIBLIOGRAPHIE

Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, pp. 144-147, Geol. Surv. of Canada, 1949.

Reports of Minister of Mines, British Columbia:

1874, p. 8; 1897, p. 516; 1899, p. 634; 1901, p. 974; 1902, p. 128; 1913, p. 114; 1932, p. 87; 1933, p. 111; 1935, p. C 38; 1936, p. C 39; 1937, p. C 34; 1938, p. C 53; 1939, p. 105; 1940, p. 90; 1941, p. 84; 1942, p. 84; 1946, p. 196; 1947, p. 190; 1948, p. 174; 1949, p. 240; 1951, p. 202; 1952, p. 236; 1953, p. 174; 1954, p. 168; 1955, p. 83; 1956, p. 139; 1959, p. 146; 1960, p. 121; 1961, p. 129; 1966, p. 255.

Holland, Stuart S.; Placer Gold Production of British Columbia; Bulletin No. 28, p. 44, British Columbia Dept. of Mines, 1950.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 971 A, Smithers-Fort St. James, (Geol.), Sc. 1":8 miles.

Map 876 A, Manson Creek, (Geol.), Sc. 1":4 miles.

Map 93 N, Manson River, (Topo.), Sc. 1:250,000.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

At the lower workings, on the west bank of the river about 2 miles above the mouth, the auriferous gravels, about 15 feet thick, lie on rock benches 50 feet or more above the river. These gravels are buried beneath more than 100 feet of boulder clay, silt, and gravel. The gold is in the main coarse and nuggety, and is concentrated on bedrock and in the cracks and crevices of bedrock. The auriferous gravels of the rock benches are considered to be pre-Glacial or early Glacial in age.

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

Grizzly Gold Mines Ltd. of Penticton, operated a dredge on the river in 1966.

Northgate Minerals Ltd. prospecting 2011-56

Manson Creek Resources Ltd. SMF June 4/85

Comp./Rev. By Comp./rév. par							
Date Date	10-68						