

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 94 D/8
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY CROY (SHELL)
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Mining Division Omineca
Division minière

County
Comté

Lot
Lot

Sec
Sect.

Lat. 56°28'
Lat.

District
District

Township or Parish
Canton ou paroisse

Concession or Range
Concession ou rang

Tp.
Ct.

R.
R.

Long. 126°02'
Long.

Cassiar

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is underlain by volcanic members of the Takla group of Upper Triassic or Later age. The rocks are volcanic flows, breccias, and thin-bedded tuffs. They are gently folded along northwesterly and northerly trending areas and dips are generally less than 20 degrees. Intrusive rocks are represented by several dykes of feldspar-quartz porphyry, and by a small granitic stock. The volcanic rocks have been highly altered, with the development of greenstones and gneisses. More than a score of mineral occurrences have been found on the Shell Nos. 1, 3, 4, and 27 claims. Many of the showings contain abundant chalcopryite and lesser amounts of pyrite, pyrrhotite, magnetite, and quartz. The best showing reported by Springer, Sturgeon Gold Mines, the No. 1 vein, is exposed for 245 feet. The average width of 16 sample trenches from the vein was 1.9 feet and the average assay was: gold, 0.69 oz a ton; copper, 12.61%. On the Kliyul Creek slope a northwest trending zone is characterized by abundant magnetite and a little chalcopryite. The zone is 15 to 20 p.t.o.

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

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

The claims lie at elevations from 5,000 to 7,200 feet and straddle a northwesterly trending ridge which separates Kliyul Creek from the headwaters of Porphyry and Croydon Creeks, some 10 miles northwest of Aiken Lake.

Prospectors working for Springer, Sturgeon Gold Mines Limited staked 9 claim groups totalling 202 claims in the area in 1946. The Shell group of 28 claims was staked by N. Hals, W. French, J. Dumbrille, J. Bob, and S. Hoy in September 1946. Work on the Shell group during 1946 and 1947 consisted of some 60 open cuts. The orebodies exposed were considered to be too small to be of importance at that time and the company apparently abandoned the property.

The Croy 1-17 claims, a partial restaking of the original property, were acquired by El Paso Mining and Milling Company in 1970. Work during the year included magnetometer and electromagnetic surveys over 6.57 line-miles, and a geochemical survey (300 samples) covering Croy 1-4 and 17. During 1972 diamond drilling totalling 3,902 feet in 4 holes was carried out on Croy 1, 2, and 4. The drilling indicated 80,000 tons at 0.161 oz/t Au, 0.4 oz/t Ag, 3% Cu in several zones. (Beaver Resources Inc., Statement of Material Facts, 26/01/84, p. 15).

The Croy 1-12 claims were acquired by International Trojan Explorations Inc. from Peter Tegart, of North Vancouver, and Emil Bronlund, of Fort St. James by an agreement dated March 1982. In December of that year International amalgamated with Centurion Exploration Inc. under the latter name. Centurion in June 1983 amalgamated with Beaver Resources Inc. under the latter name.

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DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

feet thick, and is exposed in two segments, with a combined length of more than 1,600 feet, separated by a fault gap of 600 feet. Throughout the zone the magnetite content appears to be almost everywhere greater than 10%, and a few bodies up to 5 feet thick and 50 feet long are composed almost entirely of granular magnetite. A specimen of massive magnetite assayed only a trace of gold, but another selected piece containing about 15% chalcopyrite assayed: gold, 0.86 ounces a ton; silver, 2.0 ounces a ton. Other magnetite showings occur on the north-east side of the ridge, within the watershed of Porphyry and Croydon Creeks.

REFERENCES/BIBLIOGRAPHIE

- Lord, C.S.; McConnell Creek Map-Area, Cassiar District, British Columbia; Memoir 251, p. 60, Geol. Surv. of Canada, 1948.
- White, W.H.; Sustut-Aiken-McConnell Lake Area; Report of Minister of Mines, British Columbia, 1947, p. 103.
- Roots, E.F.; Geology and Mineral Deposits of Aiken Lake Map-Area, British Columbia; Memoir 274, p. 212, Geol. Surv. of Canada, 1954.
- Mineral Policy Sector; Corporation Files: "Barymin Company, Limited"; "Beaver Resources Inc."
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 186; 1972, p. 480.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 962 A, McConnell Creek, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 251.
- Map 1030 A, Aiken Lake, B.C., (Geol.), Sc. 1":4 miles - accomp. Memoir 274.
- Map 94 D, McConnell Creek, B.C., (Topo.), Sc. 1:250,000.
- Map 94 C, Fort Grahame, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par				DMacR			
Date Date	01-67	04-73	10-76	02-84			

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CROY

OBJECT LOCATED
OBJET LOCALISÉ Showings; on Croy 1 & 2 claims

UNCERTAINTY 600 m
FACTEUR D'INCERTITUDE

Lat. 56°28'50" Long. 126°02'50"

Mining Division Omineca District
Division minière District

County Township or Parish
Comté Canton ou paroisse

Lot Concession or Range
Lot Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Host rocks are Upper Triassic andesitic and dacitic flows (Takla volcanics) located about 3 km northwest of the main contact with the Omineca Batholith. The volcanics are locally intruded by small andesitic-dioritic stocks, dykes and porphyritic sills. A series of steep dipping vein-shear zones carry chalcopyrite, pyrite, magnetite, pyrrhotite and lesser galena, sphalerite and molybdenite. Gangue minerals are mostly quartz, calcite and chlorite.

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

The claims lie at elevations from 5,000 to 7,200 feet on the northeast slope of the ridge which separates Kliyul Creek from the headwaters of Porphyry and Croydon Creeks, some 10 miles northwest of Aiken Lake.

Prospectors working for Springer, Sturgeon Gold Mines Limited staked 9 claim groups totalling 202 claims in the area in 1946. The Shell group of 28 claims was staked by N. Hals, W. French, J. Dumbrille, J. Bob, and S. Hoy in September 1946. Work on the Shell group during 1946 and 1947 consisted of some 60 open cuts. The orebodies exposed were considered to be too small to be of importance at that time and the claims were allowed to lapse.

The ground was restaked in February 1970 by Peter Tegart, of Vancouver, as the Croy 1-17 claims. El Paso Mining and Milling Company optioned the property. Geochemical soil surveys in 1970-71 (1224 samples) indicated a number of anomalies but only those above the known showings appeared significant. Geophysical surveys, (mag, EM and IP) indicated minor anomalies deemed related to magnetite, pyrite and pyrrhotite. Trench assays from zone 2 returned 1.43% Cu over a width of 10.7 feet and length of 250 feet. Trench assays from zone 5 returned 9.24% Cu across a 4.0 feet width and 11.5 feet length. Diamond drilling in 1971-72 totalled 6,965 feet in 12 AQ holes. This work gave a drill indicated 80,000 tons at 3.0% Cu, 0.161 oz/t Au, 0.4 oz/t Ag (Beaver Resources Inc., Statement of Material Facts 26/01/84). The option was abandoned.

The Croy claims were optioned from Tegart and Emil Bonlund, of Fort St. James in March 1982 by International Trojan Explorations Inc. Through amalgamations the company name by June 1983 became Beaver Resources Inc. No work was reported under the agreement.

Pacific Rim Mining Corp. optioned the Croy 1-12 claims from Tegart and Bronlund in March 1988.

Lord, C.S.; McConnell Creek Map-Area, Cassiar District, British Columbia; Memoir 251, p. 60, Geol. Surv. of Canada, 1948.

White, W.H.; Sustut-Aiken-McConnell Lake Area; Report of Minister of Mines, British Columbia, 1947, p. 103.

Roots, E.F.; Geology and Mineral Deposits of Aiken Lake Map-Area, British Columbia; Memoir 274, p. 212, Geol. Surv. of Canada, 1954.

Mineral Policy Sector; Corporation Files: "Barymin Company, Limited"; "Beaver Resources Inc.".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 186; 1972, p. 480.

+Burns, P.J.; Report on the Croy Mineral Claims, 01/03/88, in Pacific Rim Mining Corp. Prospectus, 15/11/88.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 962 A, McConnell Creek, B.C., (Geol.), Sc. 1": 4 miles - accomp. Memoir 251.

Map 1030 A, Aiken Lake, B.C., (Geol.), Sc. 1": 4 miles - accomp. Memoir 274.

#Croy claims, claim map, Fig. 2, Report by Burns, 1988.

Croy claims, Drill Hole Plan, Fig. 4, Report by Burns, 1988.

*Map 94 D/8, Carruthers Pass, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	01-89						