

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

COMMERCE

OBJECT LOCATED - Commerce 32-34 boundary.
OBJET LOCALISÉ

UNCERTAINTY 600 m
FACTEUR D'INCERTITUDE

Lat. 49°10" Long. 114°23'
Lat. Long.

Mining Division Fort Steele District
Division minière District

County Comté Township or Parish
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

The Commerce claims are underlain by Precambrian Purcell rocks ranging from Appekunny to lower Kintla. The formations have an overall gentle east dip, but the Appekunny and Grinnell are gently folded on East and North axes. A syenite plug is centred to the east of Commerce Mountain, and forms part of the mountain. Numerous syenite sills and dykes, as well as diorite dykes, intrude the area. There is much alteration and gossan. Gold is associated with the syenite, silver is found in the sedimentary rocks, as is the copper and molybdenum. Uranium is found in all the red and green beds, and is associated with the copper in the thin-bedded quartzites and sandstones, and is sedimentary in nature. The Grinnell argillite contains thin sandstone beds which locally contain sparse bornite, chalcocite, and chalcopyrite as blebs and replacements or clasts of green shale; there is some concentration along fold axes. The middle Siyeh dolomite and upper Siyeh shale have been intruded by diorite sills and dykes, and in the shales both the diorite and adjacent shale contain pyrite, pyrrhotite, and subordinate chalcopyrite. The Purcell lava contains pyrite, pyrrhotite, and subordinate chalcopyrite at flow contacts, joint planes, and in vesicles,

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

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

The property is located at elevations of 6,000 to 7,500' at the head of Commerce Creek, a tributary of the Flathead River, in the southeast corner of the Province.

Kennco Explorations, (Western) Limited owned the Commerce group of 43 recorded claims in 1967. Work during the year included a geochemical stream sediment survey over an area of 20 square miles.

Some 64 claims on Commerce Peak were subsequently acquired by the Goble Bros. of Edmonton. Falconbridge Nickel Mines Limited held an option on the property in 1970 and carried out diamond drilling totalling 250 feet in 5 holes on Commerce 9, 10, and 14 claims. The Goble Bros. incorporated Kintla Explorations Limited in January 1972. During the year the company carried out geological mapping, and a geochemical rock survey (124 samples) covering Commerce 1-16, 19-38, and 41-48. In 1973 further geochemical rock sampling was done from diorite dykes and sills in the Andradite-Gossan-Sill Mountain areas (435 samples) from a dolomite bed on Hopper Mountain (9 samples), and from 2 sandstone beds north of Commerce Peak (19 samples). Sampling from a copper-silver-bearing 7 to 8 foot thick dolomite bed outcrop suggests an indicated reserve of 125,000 tons averaging 1.25% copper and 0.25 to 0.50 ounces silver per ton. (Northern Miner, Feb. 21, 1974).

During 1974 diamond drilling was done in 4 holes totalling 124 metres on Commerce 5 & 6. Work during 1975-78 inclusive included ground scintillometer and radiometric surveys. Detailed sampling of gold-bearing syenites was carried out in 1980 and 1981. Petrological studies were carried out on 15 samples in 1983. Work in 1986-87 included chemical analyses, field and laboratory studies and sampling.

Report of Minister of Mines, British Columbia: 1967,
p. 272.

Geology, Exploration, and Mining; British Columbia Dept.
of Mines: 1970, p. 477; 1973, p. 83; 1974, p. 78+;
1975, p. E 41; 1976, p. E 42; 1977, p. E 55++;
1978, p. E 66.

Mineral Policy Sector; Corporation Files: "Kintla
Explorations Limited".

Exploration in British Columbia; BCDM: 1979, p. 76; 1980,
p. 97; 1983, p. 102.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 35-1961, Fernie (East Half), (Geol.), Sc. 1":2 miles -
accomp. Paper 61-24, Geol. Surv. of Canada.

#Commerce and Sage claims, (Geol. & Claims), Sc. 1":3,250',
Fig. 4, Kintla Explorations Limited, Prospectus, Nov. 14,
1972.

*Map 82 G/1, Sage Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	02-82	05-88					