

NAME OF PROPERTY SANDY (PAGI) (KEY) (HOLLIDAY RANSON)
 NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - symbol on Map 18-1968.
 OBJET LOCALISÉ

UNCERTAINTY 500 m FACTEUR D'INCERTITUDE	Lat. 59°59'45" Lat.	Long. 130°34' Long.
Mining Division Liard (BC) Division minière	District District	Cassiar (BC)
County Watson Lake (Ykn) 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

The initial exploration work was done on two quartz-galena veins cutting sheared quartz monzonite of the Cassiar batholith just south of the British Columbia-Yukon boundary. The upper (Discovery) vein, near the crest of the mountain at an elevation of about 6,000 feet, strikes N35°E, dips vertically, and is exposed over a width of 6 feet and length of 10 feet. It consists of quartz and altered granitic rock mineralized with galena, hematite, and pyrite. The lower (Shipment) vein, at the foot of the east slope of the mountain, about 1,500 feet east and 1,000 feet lower in elevation, strikes N65°E and dips 80° southerly. It was exposed by trenching over a width of 4 feet and length of 150 feet. At the southwest end of the trench the vein consists of about 10 inches of quartz and 10 inches of altered granite, both of which are mineralized with galena and pyrite. An assay of ore sorted from the vein in 1948 returned 0.04 ounce gold and 40.1 ounces silver per ton, 65.4% lead, and 1.5% zinc.

The showings held by Emperor Mines in 1968 were described as "quartz veins mineralized with pyrite, chalcopyrite and galena occupy fractures in granite and argillite".

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

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

The property is located at the head of the west fork of Freer Creek some 6 miles south of mile 707 on the Alaska Highway. The claims extended across the British Columbia-Yukon boundary.

The upper (Discovery) vein outcrop was found by A.F. Holliday of Watson Lake in 1947. A total of 18 claims (13 in British Columbia and 5 in Yukon) were subsequently staked by Holliday and R.R. Ranson of Sault Ste. Marie, Michigan. The Yukon Ranges Exploration Syndicate of Toronto optioned the property in 1948. A trail was built to the claims and a packsack drill was used to mine 5 tons of sorted ore from the Shipment (East) vein. The Syndicate owners incorporated Yukon Ranges Exploration Limited in February 1949. A 1949 company prospectus states the sorted ore was mined on the Star group of 10 claims, in which the syndicate apparently optioned an 83% interest to the company.

The Key group of 5 claims, owned in 1966 by B.M. McMullin of Aurora, Colorado, was located in this vicinity but their location relative to the original showings is not known; trenching was reported during the year.

Emperor Mines Ltd. in 1968 acquired the Pagi, HY, JSK, and DR groups totalling 55 claims in this vicinity. A program of geological mapping, an electromagnetic survey, trenching and stripping was carried out. The claims lapsed in 1971. (809' drilled in 6 holes in 1969).

Yucol Mines Ltd. in 1971 acquired the Sandy 1-44 claims on West Freer Creek. (Sandy 1, 9-22 and 24 are in the Yukon). Geological mapping and an electromagnetic survey was carried out on Sandy 35-38 in 1972. During 1973 a geochemical soil survey (86 samples) and an electromagnetic survey over approximately 2 line-miles, and trenching, was carried out on Sandy 25-28. Further prospecting was reported in 1974. Cone Mt. Mines Ltd. participated with Yucol in the above exploration work.

The showings were acquired by Klondike Silver Mines Ltd. in 1979 through K.A. O'Connor & associates of Vancouver, who had purchased the claims from Bruno Paulin of Whitehorse. Sundance Gold Ltd optioned the property in 1983. Reserves were reported as 40,000 tons at 12.46 oz/t Ag, 14.95% Pb, 20.78% Zn (Northern Miner June 23, 1983).

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1948, 5 tons of sorted ore were shipped from this property. From this ore 187 ounces of silver and 6,116 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1948, p. 60; 1949, p. 69⁺; 1966, p. 17; 1968, p. 33.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 559; 1973, p. 516; 1974, p. 352.

Gabrielse, H.; Geology of Jennings River Map-Area, British Columbia; Paper 68-55, p. 35, Geol. Surv. Canada, 1969.

Mineral Policy Sector; Corporation Files: "Yukon Ranges Exploration Limited"; "Emperor Mines Ltd."; "Cone Mt. Mines Ltd."; "Sundance Gold Ltd".

George Cross Newsletter: March 3, 1983.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

*Map 104 0/15E, McNaughton Creek, (Topo.), Sc. 1:50,000.

Map 105 B/2 E, Daughney Lake, (Topo.), Sc. 1"50,000.

#Map 18-1968, Jennings River, (Geol.), Sc. 1":250,000 - accomp. Paper 68-55.

Map 10-1960, Wolf Lake, Yukon, (Geol.), Sc. 1":4 miles.

Map 7001 G, Wolf Lake, (Aeromag.), Sc. 1":4 miles.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	AGS	AJ	DMacR			
Date Date	04-76	09-82	03-83	08-83			

BCI 104 0 - 1, 2, 12, 17
AC 105 B (8)