

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

BRUCEJACK LAKE (RED RIVER)

OBJECT LOCATED - West zone.
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 56°28'	Long. 130°11'20"
Mining Division Skeena 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

A number of precious and base metal showings have been found within altered Lower Jurassic andesitic volcanic and sedimentary rocks of the Unuk River Formation. Two principal zones were identified, the Peninsula (Near Shore) and West zones. Six drill holes in the West zone cut silver values from 22.7 to 286.0 oz/t and gold values from 0.10 to 3.81 oz/t over true widths of 0.6 to 4.6 metres. Both zones are structurally controlled, epithermal deposits. Two areas indicate a potential for large tonnage disseminated gold in the range of 0.04 to 0.09 oz/t with associated copper-molybdenum.

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

The property is located at Brucejack Lake, at the head of Sulphurets Creek some 37 miles north-northwest of Stewart. Several showings have been found over a 2-square-kilometre area. The main showings, as identified by work to 1982, are the Peninsula (Near Shore) zone on the west shore of the lake, and the West zone about 800 metres southwest of the Peninsula zone. Other showings about 1 km south-southwest of the Peninsula zone have been identified as the Stockwork zone, 5.9 vein, Galena showing, 0.5 vein, Quartz vein and Trench 108-111 zone.

Granduc Mines, Limited acquired the Red River claim (14 units) in about 1976. Work during 1976-77 included geochemical surveys and trenching. In 1979 Esso Minerals Canada entered a joint venture exploration agreement on 106 claims including the Red River, Red River 2 to 7 and Tedray 12. Work during 1980-82 included trenching, sampling and diamond drilling in 53 holes (15,200') in 1982. Drilling in 1983 totalled 4,400' in 10 holes. No field work was carried out in 1984. The option was terminated in 1985 with Esso retaining no interest in the property. Based on work to date, reserves in the West zone were reported as drill indicated 160,000 tons at 0.21 oz/t gold and 19 ozs/t silver (Northern Miner, July 4, 1985, p. 1).

Lacana Mining Corporation and Newhawk Gold Mines Ltd. in Ju 1985 acquired an option from Granduc on a 60% interest in the property (Newcana joint venture). Work in 1985-86, whereby Newhawk and Lacana each earned a 30% interest, included 13,066 feet of BQ diamond drilling in 22 holes on the West zone, 5 on the Snowfield zone, and 2 on the Gossan Hill zone, the driving of a 1,200 feet decline with several crosscuts on the West zone and an additional 21,797 feet of surface diamond drilling. Reserves were reported as:

Zone	Tons	Au(oz/t)	Ag(oz/t)
West dd ind. & inf.	1,016,730	0.332	21.06
Shore inf.	539,776	0.263	27.23
Gossan Hill inf.	27,639	1.94	3.51
Total	1,584,145	0.336	22.86

(Newhawk Gold Mines Ltd., 1987 AR).

In 1987, the West zone decline was extended to 1,690 feet
con't card 2

120173

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1976, p. E 181; 1977, p. E 222.

Geological Fieldwork; British Columbia Dept. of Mines: 1982, p. 171⁺; 1987, p. 199.

Mineral Policy Sector; Corporation Files: "Granduc Mines, Limited"; "Newhawk Gold Mines Ltd. "; "Lacana Mining Corporation"; "Corona Corp."; "Hecla Mining Co."

Exploration in British Columbia; British Columbia Dept. of Mines: 1980, p. 464; 1982, p. 382; 1983, p. 520; 1985, pp. A 23, A 52; 1986, pp. A 19, A 43, C 441.

George Cross News Letter: 1985, No. 163, 192, 242; 1986, No. 127, 157, 160, 174, 183, 218; 1987, No. 24, 27, 87, 108, 119, 138, 165, 181, 194, 215, 231; 1988, No. 31, 73, 80.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Generalized Geology, Sulphurets-Mitchell Creek Area, Sc. 1": 1 1/4 miles, Fig. 8, Report of Minister of Mines, British Columbia, 1968.

Map 9-1957, Stikine River Area, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Brucejack Lake property, Sc. 0.9 cm:100 metres, Fig. 59, Geological Fieldwork 1982, p. 172.

*Map 104 B/8, Frank Mackie Glacier, (Topo.), Sc. 1:50,000.

West zone - Shore zone, (Geol.), Sc. 1": 500 feet, Newhawk Gold Mines, 1986 Annual Report.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR	DMacR				
Date Date	08-83	08-85	07-88				

PRODUCT
PRODUIT GOLD

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE British Columbia

CARD 2
N.T.S. AREA 104 B/8
RÉGION DU S.N.R.C.

REF. Au 8
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ BRUCEJACK LAKE (RED RIVER)

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

and 900 feet of drifting and 150 feet of raising carried out. Diamond drilling underground totalled 9,400 feet in 95 holes, and on surface 35,000 feet in 94 holes, 71 on the West, 12 on the Shore and 11 on the Gossan Hill zone. A road and barge access route to the property was opened in late 1987. Through a share transaction Lacana Mining Corporation acquired control of Newhawk; in 1988, Lacana was amalgamated with other companies to form Corona Corporation.