

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

FRASERGOLD (EUREKA)

OBJECT LOCATED - Drill hole 84-7.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

	Lat. 52°18'10"	Long. 120°34'20"
	Lat.	Long.
Mining Division Division minière	Cariboo	District District
County Comté		Township or Parish Canton ou paroisse
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 phyllite-argillite unit of possible late Triassic age occurs on the east limb of the northwest trending Eureka Peak syncline. Gold occurs as coarse particles and is generally associated with quartz veins and lenses in fine-grained phyllite of sedimentary origin. Four or more en-echelon gold-bearing zones have been located. Drilling indicates the "A" zone has an average thickness of 3.5 metres. The gold is associated with pyrite, pyrrhotite and chalcopyrite, and occurs as disseminations in black phyllite and in quartz veins.

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

The property is located at about 5,000' elevation on the west side of MacKay River, in the vicinity of Eureka Brook and Frasersgold Creek, some 65 miles east-northeast of Williams Lake.

Messrs O'Neill, Kerr and Dawson began work on the property in 1980 under an agreement with the owner, Clifford Gunn. A geochemical survey was carried out, outlining a gold anomaly for a strike length of about 2 miles and widths of 300' to 900'. The operators incorporated Eureka Resources, Inc. in June 1981. The company in November 1982 acquired from Gunn an option to acquire 100% interest in 21 claims in the Kay, Alpha and Mac groups.

Amoco Canada Petroleum Company Ltd in July 1983 optioned a 50% interest in the property. Work in 1983 included 5,380' of diamond drilling in 5 holes. An additional 9 holes (9,500') were drilled in 1984 to test the mineralization over a strike length of 1.6 km and to a depth of 150 m. Indicated geological reserves of 11,000,000 tons at 0.04-0.05 oz/t gold were reported (George Cross News Letter, 23/12/83). Total tonnage expectations in at least four parallel to subparallel zones are about 4,000,000 to 5,000,000 tons grading 0.1 oz/t gold, of which about 2,000,000 are estimated within the "A" zone (George Cross News Letter, 10/04/85).

Early in 1985 a new agreement returned 100% interest in the property to Eureka, with Amoco retaining a net profit interest in the range of from 1.0% to 7.5% depending on the size of operation. With regard to the difficulty experienced by Amoco in determining the grade and continuity of the Main zone, Eureka in 1985-86 carried out fill in geochemical soil surveys, trenching, reverse circulation drilling and bulk sampling; the latter indicated higher grades than from diamond drilling. Preliminary estimates indicated a potential underground reserve of 1,200,000 tons at 0.4 oz/t Au; open pit material is estimated to be in the range of 20,000,000 tons at 0.06 oz/t Au (George Cross News Letter, 05/03/87).

Southlands Mining Corporation in May 1987 acquired an option to earn a 50% joint venture interest; the agreement was subject to litigation later that year. Work in 1987 included 450 m of rotary drilling in 4 holes and 2010 m of

p.t.o.

121519

HISTORY OF EXPLORATION AND DEVELOPMENT (con't)

diamond drilling in 18 HQ holes on the Jay zone. Southlands in late 1987 optioned one-half of its 50% interest in the property to Sirius Resource Corporation. Work in 1988 included further reverse circulation drilling, the driving of some 600 feet of crosscut and drift to provide bulk samples for pilot mill tests.

REFERENCES/BIBLIOGRAPHIE

Campbell, K.V.; Structural studies near Crooked Lake, Quesnel Lake Map-Area; Paper 69-1 A, p. 18, Geol. Surv. of Canada.

George Cross News Letters: 20/10/83; 11/11/83; 23/12/83; 16/01/84; 9/05/84; 28/08/84; 17/09/84; 14/11/84; 10/04/85; 15/07/85; 1986, No. 165, 228; 1987, No. 25, 75, 100, 129, 157, 177, 228, 239, 240; 1988, No. 18, 19, 35, 43, 50, 68, 107.

Mineral Policy Sector; Corporations Files: "Eureka Resources, Inc."; "Amoco Canada Petroleum Company Ltd." "Southlands Mining Corporation".

Exploration in British Columbia; BCDM: 1983, p. 377; 1985, p. 260; 1987, p. C248.

Geological Fieldwork, British Columbia Dept. of Mines: 1986, p. 141.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Generalized geology of the Crooked Lake Area, Sc. 1":6 miles, Paper 69-1 A, p. 19, Geol. Surv. of Canada.

Map 1-1963, Quesnel Lake, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

Frasergold Project (Drill hole location plan), George Cross News Letter, 14/11/84.

* Map 93 A/7, MacKay River, (Topo.), Sc. 1:50,000.

Generalized Geology Eureka Peak area, Geological Fieldwork, 1986, p. 136.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	05-85	08-88					

MAIN PRODUCT: GOLD PRINC. PROD.: (MAJOR COMMODITY IN AN UNEXPL. DEPOS.)		PROV. OR TERR.: BRITISH COLUMBIA PROV. OU TERR.:	N.T.S. AREA: Prop./Prop. 93A/07 S.N.R.C : Depos./Gîte 93A/07	REF.: AU 001 RÉF.:	MINSYS NO: 121519- 0 NO MINSYS:
NAME OF DEPOSIT: FRASERGOLD, NOM DU GÎTE :		EUREKA		Age of Host Rocks/Âge des roches hôtes: TRIASSIC	
Object located: Drill hole 84-7 Objet localisé:		Uncertainty : 300 (meters/mètres) Facteur d'incertitude:	Geological province/Province géologique: CORDILLERAN OREGEN		
Latitude/Latitude: 52°18'10 UTM zone/Région UTM: 10 UTM North./UTM Nord: 5797272 UTM East./UTM Est: 665534		Longitude/Longitude: 120°34'20		HISTORY OF EXPLORATION AND DEVELOPMENT HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR	
District/District: CARIBOO Mining division/Division minière: CARIBOO		Work on deposit : GEOCHEMICAL, DRILLING Travail sur le gîte:		Workings Type : Type d'exploit.:	
OWNER OR OPERATOR / PROPRIÉTAIRE OU EXPLOITANT Name: EUREKA RES INC Nom :		Year of information : 1985 Année de l'information:		Workings Size : Dimension de l'exploit.:	
Type: OWNER Type:		The property is located at about 5,000' elevation on the west side of MacKay River, in the vicinity of Eureka Brook and Frasersgold Creek, some 65 miles east-northeast of Williams Lake. Messrs O'Neil, Kerr and Dawson began work on the property in 1980 under an agreement with the owner, Clifford Gunn. A geochemical survey was carried out, outlining a gold anomaly for a strike length of about 2 miles and widths of 300' to 900'. The operators incorporated Eureka Resources, Inc. in June 1981. The company in November 1982 acquired from Gunn an option to acquire 100% interest in 21 claims in the Kay, Alpha and Mac groups. Amoco Canada Petroleum Company Ltd in July 1983 optioned a 50% interest in the property. Work in 1983 included 5,380' of diamond drilling in 5 holes. An additional 9 holes (9,500') were drilled in 1984 to test the mineralization over a strike length of 1.6 km and to a depth of 150 m. Indicated geological reserves of 11,000,000 tons at 0.04-0.05 oz/t gold were reported (George Cross News Letter, 23/12/83). Total tonnage expectations in at least four parallel to subparallel zones are about 4,000,000 to 5,000,000 tons grading 0.1 oz/t gold, of which about 2,000,000 are estimated within the "A" zone (George Cross News Letter, 10/04/85). Early in 1985 a new agreement returned 100% interest in the property to Eureka, with Amoco retaining a net profit interest in the range of from 1.0% to 7.5% depending on the size of operation. With regard to the difficulty experienced by Amoco in determining the grade and continuity of the Main zone, Eureka in 1985-86 carried out fill in geochemical soil survey, trenching, reverse circulation drilling and bulk sampling; the latter indicated higher grades than from diamond drilling. Preliminary estimates indicated a potential underground reserve of 1,200,000 tons at 0.4 oz/t Au; open pit material is estimated to be in the range of 20,000,000 tons at 0.06 oz/t Au (George Cross News Letter, 05/03/87). Southlands Mining Corporation in May 1987 acquired an option to earn a 50% joint venture interest; the agreement was subject to litigation later that year. Work in 1987 included 450 m of rotary drilling in 4 holes and 2010 m of diamond drilling in 18 HQ holes on the Jay zone. Southlands in late 1987 optioned one-half of its 50% interest in the property to Sirius Resource Corporation. Work in 1988 included further reverse circulation drilling, the driving of some 600 feet of crosscut and drift to provide bulk samples for pilot mill tests, and diamond drilling of 3,000 feet in 6 holes. In 1990,			
DESCRIPTION OF DEPOSIT / DESCRIPTION DU GISEMENT		Type/Type Host Rocks/Roches hôtes			
A phyllite-argillite unit of possible late Triassic age occurs on the east limb of the northwest trending Eureka Peak syncline. Gold occurs as coarse particles and is generally associated with quartz veins and lenses in fine-grained phyllite of sedimentary origin. Four or more en-echelon gold-bearing zones have been located. Drilling indicates the "A" zone has an average thickness of 3.5 metres. The gold is associated with pyrite, pyrrhotite and chalcopyrite, and occurs as disseminations in black phyllite and in quartz veins.					
Discovery : Year 1981 Découverte: Année		Uncertainty: CIRCA Incertitude:	Method : GEOCHEMICAL Méthode:		
Associated minerals or products and status/Minéraux ou produits associés et statut					
Source/Source: / / -REGULAR Printed/imprimée le: 14 May/Mai 1991		© Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa, Canada © Secteur de la politique minière, Énergie, Mines et Ressources, Ottawa, Canada			

HISTORY OF PRODUCTION / HISTORIQUE DE LA PRODUCTION

First Year : Last year :
 Première année: Dernière année:

REFERENCES / BIBLIOGRAPHIE

Campbell, K.V.; Structural studies near Crooked Lake, Quesnel Lake Map-Area; Paper 69-1 A, p. 18, Geol. Surv. of Canada.

George Cross News Letters: 20/10/83; 11/11/83; 23/12/83; 16/01/84; 9/05/84; 28/08/84; 17/09/84; 14/11/84; 10/04/85; 15/07/85; 1986, No. 165, 228; 1987, No. 25, 76, 100, 129, 157 177, 228, 239, 240; 1988, No. 18, 19, 35, 43, 50, 68, 107.

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Exploration in British Columbia; BCDM: 1983, p. 377; 1985, p. 260; 1987, p. C248.

Geological Fieldwork, British Columbia Dept. of Mines: 1986, p. 141.

BCI 93 A - 150.

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*Map 93 A/7, MacKay River, (Topo.), Sc. 1: 50,000.

Generalized Geology Eureka Peak area, Geological Fieldwork, 1986, p. 136.

REMARKS / REMARQUES

PROVINCIAL LINK: BCI 93A-150

Last rev./Dernières m-à-j:
 By/Par:

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05/13/1991
 YJL

MAIN PRODUCT: GOLD PRINC. PROD.: (MAJOR COMMODITY IN AN UNEXPL. DEPOS.)	PROV. OR TERR.: BRITISH COLUMBIA PROV. OU TERR.:	N.T.S. AREA: Prop./Prop. 93A/07 S.N.R.C : Depos./Gîte 93A/07	REF.: AU 001 RÉF.:	MINSYS NO: 121519- 0 NO MINSYS:
NAME OF DEPOSIT: FRASERGOLD, NOM DU GÎTE : EUREKA				
HISTORY OF EXPLORATION AND DEVELOPMENT (continued) HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR (suite)				
ASARCO Inc. optioned the propert to gain 50% interest. There were drilled 64 holes for 8,950 feet including 25 diamond drill holes.				