

#5325

PROPERTY REPORT

FRASERGOLD PROSPECT

860442

EUREKA RESOURCES INC.

CARIBOO MINING DIVISION

BRITISH COLUMBIA

by

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April 7, 1986

## **INTRODUCTION**

The Frasergold prospect was reviewed at the offices of Eureka Resources Inc. on April 3, 1986. The following reports were made available by John Kerr of Eureka Resources:

Belik, G., 1981; Frasergold Property, Property Evaluation Report (unpublished report by Kerr-Dawson & Associates)

Brown, Paul; Frasergold Project, British Columbia, Amoco Canada Petroleum Co. Ltd.  
1983 - Summary Report  
1984 - Summary Report

Kerr, John R., 1985; Geochemical Report on the Frasergold Property

Kerr, John R., 1985; Summary Report on the Frasergold Property

Kahlert, B. H., 1985; Status Report of the Frasergold Property

Marchant, P. B.; Frasergold Property, Interim Summary (undated)

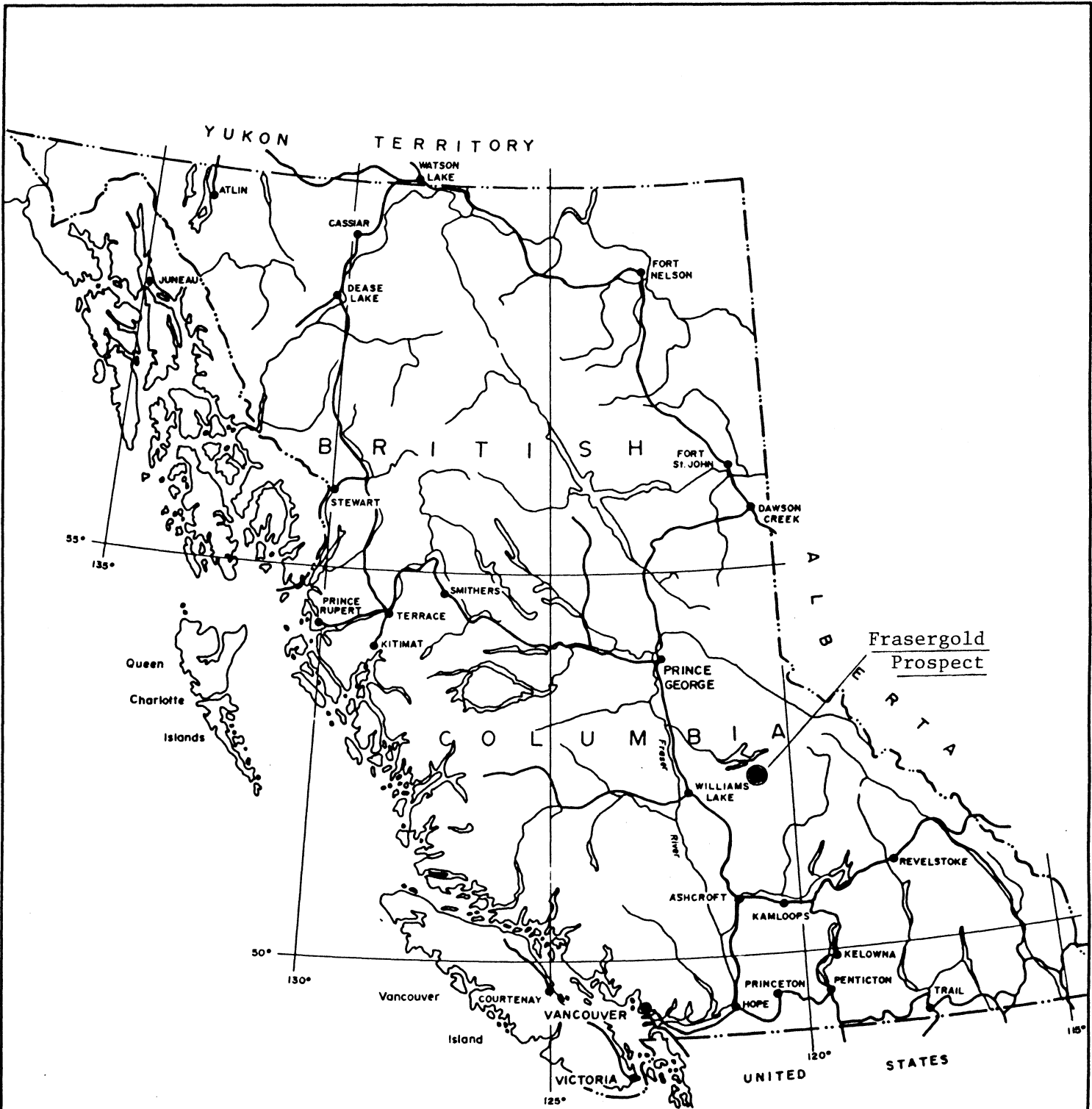
The object of the review work was to assess the potential of the property based on the above reports and a general knowledge of the area.

## **LOCATION AND ACCESS**

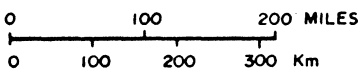
The Frasergold property (Figure 1) is located in the central Cariboo area of British Columbia. The claims straddle the McKay River Valley 100 kilometres east of Williams Lake. Geographic coordinates of the centre of the claims are  $52^{\circ}19'N$  and  $120^{\circ}37'W$  (NTS 93A/7E).

## **WORK PROGRAMS**

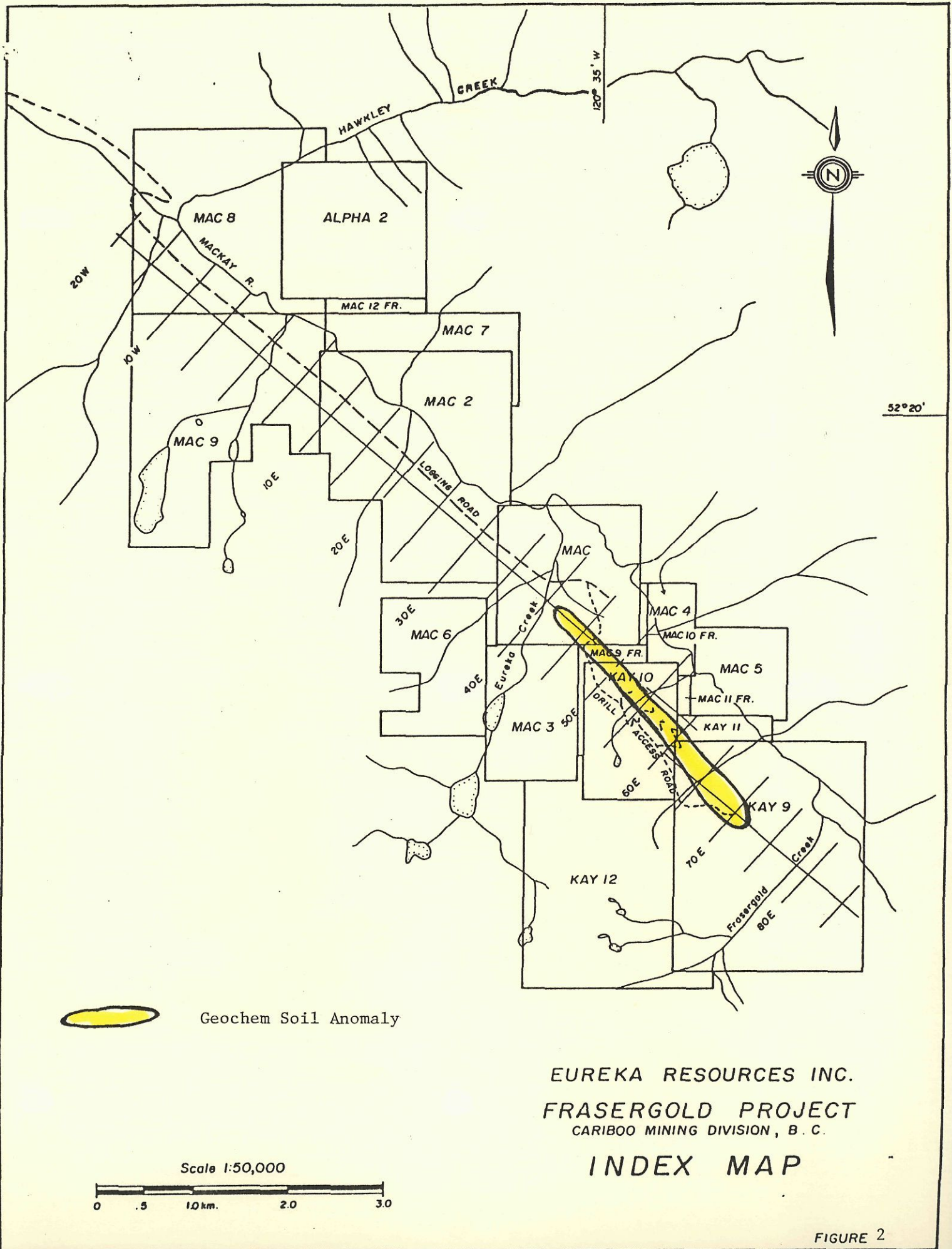
Considerable work has been done on the Frasergold property in recent years. Most of this was done by Amoco Canada Petroleum Co. in 1983 and 1984 although Keron Holdings Ltd., a private company, did much of the early work on the prospect in 1980-1982. Keron's work established a significant geochemical soil anomaly 100 metres by 2400 metres in an area that was subsequently tested by Amoco's work (Figure 2). Eureka Resources completed further geochemical fill-in sampling and collected bulk metallurgical samples in 1985. Total expenditures are \$1,150,000.



Frasergold Prospect



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<b>PROPERTY LOCATION PLAN</b>			
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EUREKA RESOURCES INC.  
 FRASERGOLD PROJECT  
 CARIBOO MINING DIVISION, B. C.  
**INDEX MAP**

FIGURE 2

A work summary is provided below:

1980-1982	Keron Holdings Ltd., soil sampling (3,000 samples) and geological mapping
1983-1984	Amoco option; fill-in geochemical soil sampling (2,770 samples), trenching and sampling, fourteen diamond drill holes (4,519m), magnetic and EM surveys
1985	Eureka Resources completed further soil sampling northwest of the Amoco drill area (1,020 samples), overburden trenching, six kilometres of induced polarization work over old target areas, metallurgical testing of three bulk samples

## RESULTS

Prior work programs established a prominent soil geochemical anomaly some 100 metres by 2400 metres situated between Frasersgold Creek and Eureka Creek (Figure 2). Discontinuous anomalies and single sample highs lie farther north beyond the main anomaly. In the main anomaly, soils are glacial tills of local provenance; those farther north are glacial sands, gravel and clay. Gold contents within the main anomaly are generally +200ppb. Silver, arsenic, copper, lead and zinc were also determined - these elements are not correlated with gold content. Bedrock geology comprises graphitic phyllite, schist, calcareous phyllite and siltstone. These rocks lie between greenstones and ultramafic rocks (Slide Mountain) to the east and Takla siltstones, wackes and andesitic rocks that comprise high ridges and summits to the west. In addition, a small granodiorite intrusion lies at the head of Eureka Creek and an ultramafic body lies along the valley side immediately west of the phyllite units. All rock units are truncated and broken by west-dipping thrust faults - the Takla rocks, phyllite units and Slide Mountain rocks appear to be separate thrust sheets.

Amoco drill tested and trenched the main soil anomaly between Frasersgold and Eureka Creeks. The trenching program and subsequent drill work returned highly variable gold contents over short intervals, usually one to two metres, associated with swarms of quartz veinlets. The latter form irregular veins up to one metre thick and are commonly folded. Boudins are common. Most veins contain brown carbonate, pyrite and trace amounts of galena and sphalerite. The veins form irregular domains a few tens of metres in size. Correlation of assay data from hole to hole and section to section proved difficult.

## CONCLUSIONS

1. The Frasergold prospect lies in series of phyllites and schists, a fault slice lying between greenstones of the Slide Mountain group to the east and unmetamorphosed Takla rocks to the west.
2. The geochemical soil anomaly between Frasergold Creek and Eureka Creek has a local bedrock source that was drilled and trenched by Amoco in 1983, 1984.
3. Results of drilling and trenching work returned low grade, erratic gold over short intervals. No reliable reserves were established.
4. The source of the soil anomaly has been thoroughly tested. No other zones of interest remain.

## RECOMMENDATIONS

No further work is recommended for the Frasergold prospect.

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**April 7, 1986**