86-336-14950

ASSESSMENT REPORT

ROCK AND SOIL GEOCHEMISTRY PROGRAM

EBL CLAIM GROUP

East Barriere Lake, Kamloops M.D.
Latitude 51°19.6'N Longitude 119°~~47'W~~ 46.5'
NTS 82M/5W

by

Owner/Operator: K.E. NORTHCOTE AND ASSOCIATES LTD.

AGASSIZ B.C.

June 15, 1986

K.E. Northcote Ph.D.,P.Eng.

TABLE OF CONTENTS

ASSESSMENT REPORT
ROCK AND SOIL GEOCHEMICAL PROGRAM
EBL CLAIM GROUP

TERMS OF REFERENCE

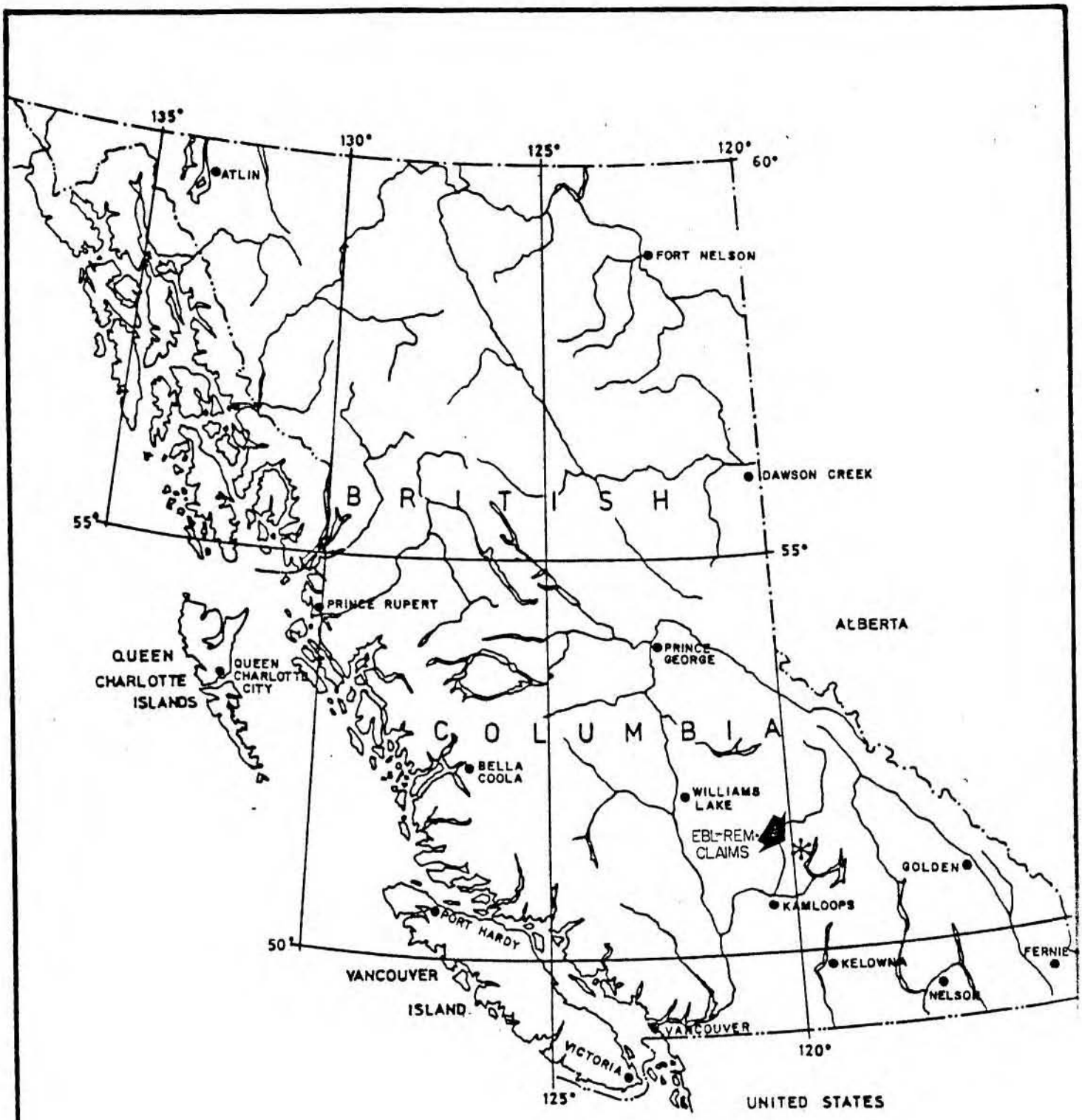
In 1981 George Moore collected a sample from a boulder from a drift covered area on EBL property. The sample assayed 0.10 oz Au/ton. Since then attempts have been made to locate the source of gold-bearing rock by trenching sampling and assaying nearby outcrops. The result of this investigation was negative.

It was noted that boulders of material similar to that producing the 0.10 oz Au/ton assay occur within a relatively small area along the access road forming the common location line for the RED FOX 1 and 2 and BAT 1 and 2 claims.

The economic potential of the EBL group would be enhanced by discovery of significant precious metal content in addition the base metal potential already known. For this reason it was decided to test the area of the gold bearing float by carrying out a small gold-silver geochemical program in soils and, because there are no outcrops in the area, in selected samples of float.

LOCATION AND ACCESS

The EBL group of claims is located on the north side of the east end of East Barriere Lake, latitude 51°19'N, longitude 119°47'W NTS 82M/5W. The property lies on Barriere ridge between East and North Barriere Lakes approximately 30 km northeast of Barriere B.C. The claims are accessible by approximately 13 km of 4-wheel-drive logging-mining access road leading



LOCATION OF EBL-REM CLAIMS

FIGURE: 1.	SCALE: 1:10,000,000
DRAWN BY:	DATE: MAY 23 1983

K.E. NORTHCOTE AND ASSOCIATES LTD.

from Barriere-East Barriere Lake road. See Figures 1 and 2.

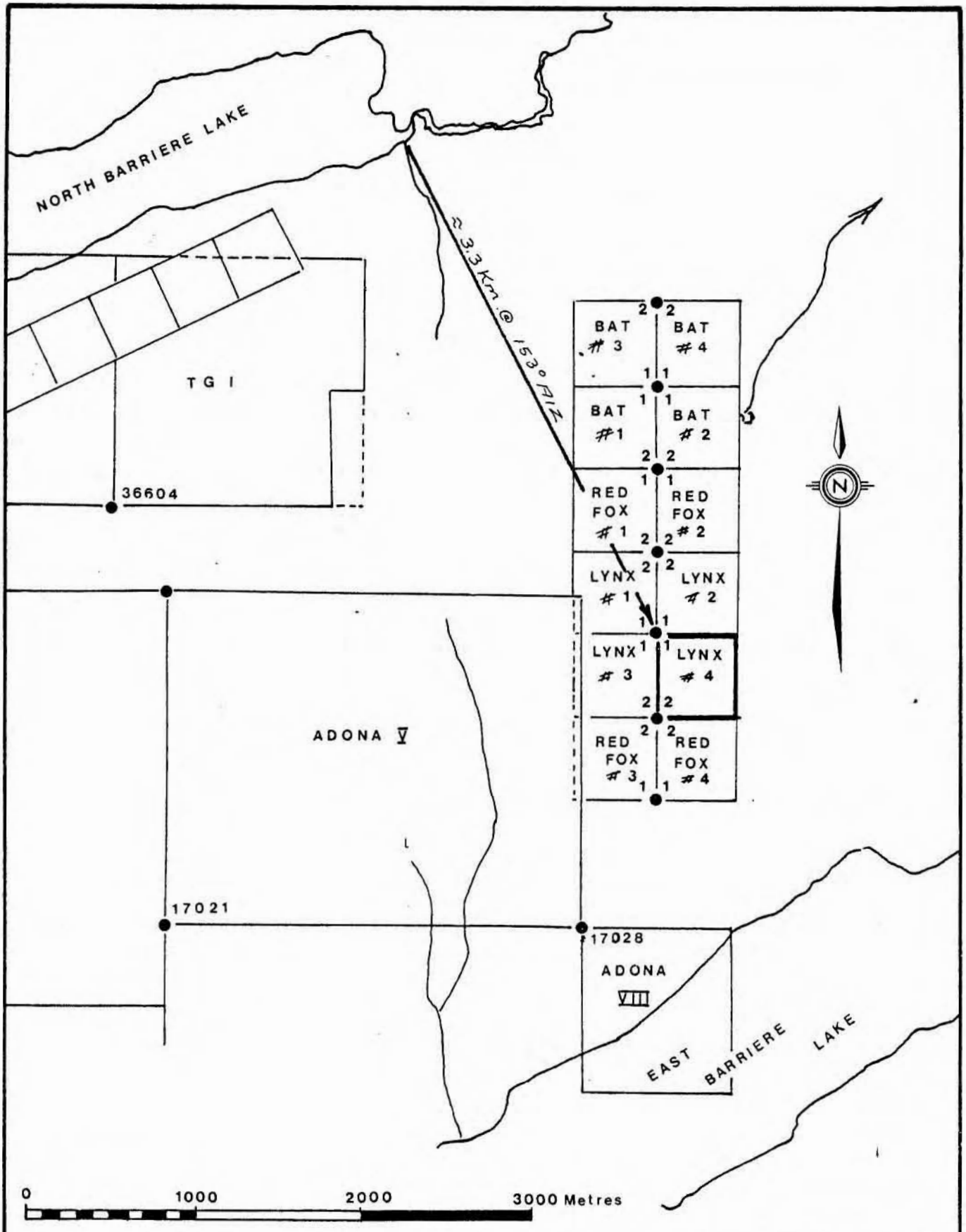
CLAIMS

The EBL group of claims consisting of the Red Fox, Bat and Lynx claims totalling 12 two-post-claims were staked by J.F. Bristow and K.E. Northcote in June recorded in July, 1985. The claims are listed in Table I below. See Figures 2 and 3

TABLE I

EBL GROUP CLAIM	UNITS	RECORD NO.	ANNIVERSARY DATE	EXPIRY DATE
BAT 1	2-post	6295	July 2, 1985	1986
BAT 2	"	6296	" " "	"
BAT 3	"	6297	" " "	"
BAT 4	"	6298	" " "	"
RED FOX 1	"	6291	" " "	"
RED FOX 2	"	6292	" " "	"
RED FOX 3	"	6293	" " "	"
RED FOX 4	"	6294	" " "	"
LYNX 1	"	6314	July 18, 1985	"
LYNX 2	"	6315	" " "	"
LYNX 3	"	6316	" " "	"
LYNX 4	"	6317	" " "	"

Ownership of claims BAT 1 to 4 and RED FOX 1 to 4 was transferred from J.F. Bristow to K.E. Northcote by Bill of Sale exercised May 27, 1986. These claims were then grouped also on May 27, 1986 with LYNX 1 to 4 to form the EBL Group. The name "EBL Group" was retained in order to avoid confusion in MEMPR Minfile Records. The EBL property is designated 82M-51.



Drawn by J.F.B.	RED FOX, LYNX AND BAT CLAIMS	FIGURE 2
Date June 1985	LOCATION MAP	Kamloops M.D.

GEOLOGY

REGIONAL GEOLOGY

The regional geology of the Barriere Lakes-Adam Plateau area has been described by Preto in MEMPR Geological Fieldwork 1978, 1979 and 1980. Since then Preto's unnumbered preliminary geologic map and cross sections showing mineral deposits of the Adams Plateau-Clearwater Area became available followed by MEMPR Preliminary Map #56, Geology of the Adams Plateau-Clearwater Area by V.A. Preto; P. Schiarizza et al, 1984. These maps and cross sections revise some of the data of earlier publications. The regional geologic setting of the EBL claim group as shown on Preto's first preliminary map is summarized here.

The EBL group of claims is centred over Units 1,2, 5a and 8a of the Eagle Bay Formation of Late Devonian Age. The property is bounded on the east by Unit 14a, Baldy Batholith. This constitutes a revision of earlier data, and his lithologic descriptions for the revised units follows:

Unit 1 Amphibole, quartzite, marble, sillimanite-garnet-biotite schist. Field relationships indicated that this unit is a more highly metamorphosed part of the Eagle Bay Formation. The Baldy Batholith, Unit 14a, is in intrusive contact with Unit 1 and both units are separated from other units of the Eagle Bay Formation by a fault.

Unit 2 (Formerly Unit 3) Metasedimentary phyllite, grit, quartzite impure limestone and minor greenschist.

Unit 5a (Formerly 7 and 7a) Felsite phyllite and schist. Rocks thought to be equivalent to this unit on the EBL group of claims are composed of sericite-quartz schist with eyes of bluish grey quartz and is commonly pyritic. This unit may be of acid volcanic origin, felsic lithic tuffs indicating proximity to a felsic volcanic centre

in the North Barriere Lake area. Unit 5a is associated with foliated rhyolite and grades laterally into less pyritic sericite and sericite-chlorite phyllite.

Unit 8 (Formerly 10) Greenschist, probably derived from mafic massive and pillowed flows, breccias and tuffs.

Unit 14 Baldy Batholith, granite, quartz monzonite, quartz feldspar porphyry.

STRUCTURE

Preto's first preliminary geologic map shows Baldy Batholith and Unit 1 on the east separated by a fault from Units 2, 5 and 8 on the west. In addition a crescent shaped synclinal axis is shown crossing Barriere Lake ridge in the vicinity of the EBL claims. These postulated structures indicated that intense smaller scale complexity can be anticipated.

GEOLOGY OF THE EBL CLAIMS

The geology of the EBL property is outlined in reports by Northcote dated June 19, 1981 and June 30, 1983. The following discussion is taken from the 1983 report.

The complexity of the geology of the property can not be adequately indicated by regional scale maps. The units described by Preto are present but intense interlayering of these units is indicated either as a result of primary interbedding and lateral facies changes and/or lithologic displacements during isoclinal folding. Structural significance is suggested by the lensoidal nature of microlaminations in hand specimens and the lensoidal shapes of lithology and mineralization in outcrops.

The EBL group of claims is underlain by a sequence of interlayered and interlaminated chlorite schist, phyllite, quartz sericite schist and minor amounts of skarnified limestone. Some of the quartz sericite schists have coarse-grained partially resorbed quartz eyes. The sequence probably represents a succession of rocks of volcanic origin with inter-bedded sediments. The chloritic schists may be derived from more basic volcanics and/or sediments; phyllites from sediments or felsic volcanics, quartz-sericite schists from sediments or felsic volcanics with those containing bluish quartz eyes representing former rhyolites (Preto, op. cit.)

The succession is intruded by dykes of granodiorite composition ranging from a few centimetres to tens of metres in thickness. Subsequently to work reported in 1982 it was found that there are significant areas of magmatic and siliceous impregnation in the vicinity of some of these dykes and sills near the Baldy Batholith contact.

STRUCTURE

The few exposures that occur on the EBL claim group show little evidence of primary sedimentary structures such as bedding etc. The lensoidal nature of micro and macro layers suggests that structural deformation played a major role in producing layering. Gross compositional layering may be a reflection of original beds such as limestone, phyllite, chlorite schist etc. now lying parallel to axial planes along the limbs of isoclinal folds.

1986 Program

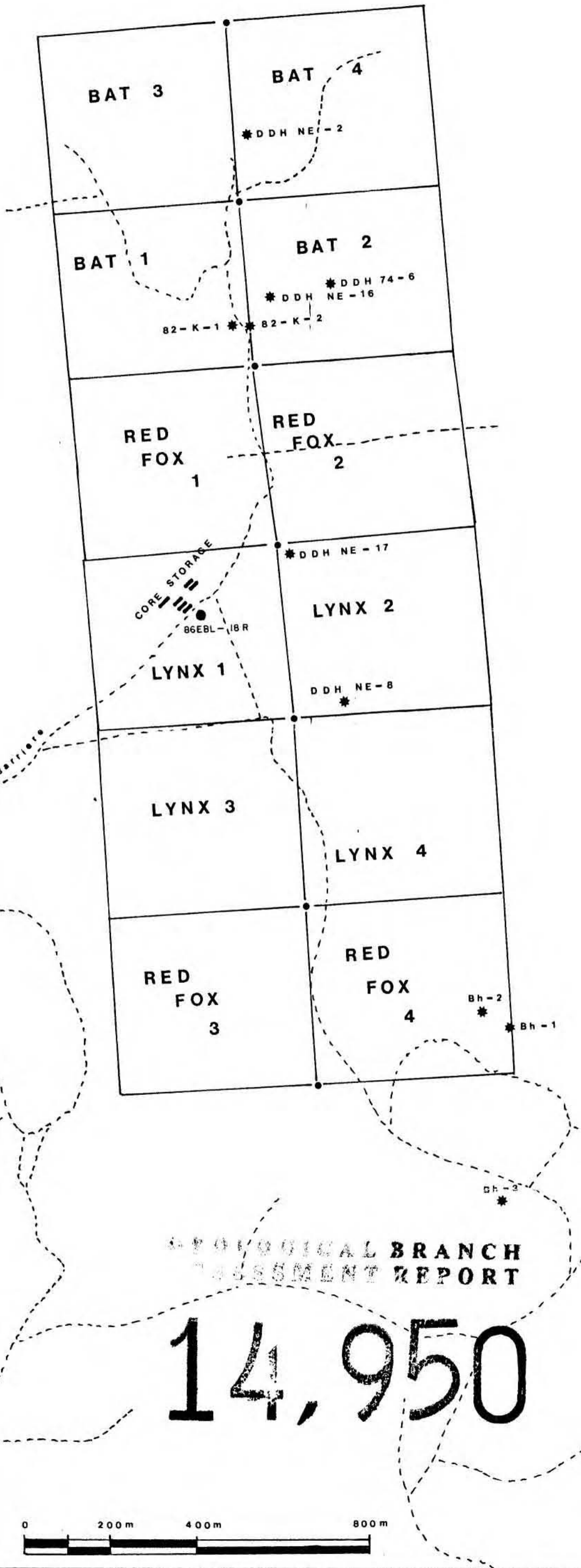
May 28th to June 15, 1986 was spent collecting soil and rock samples, preparing them for Au Ag geochemical analyses, making binocular microscope descriptions and preparing this report.

Soil Sampling Procedure

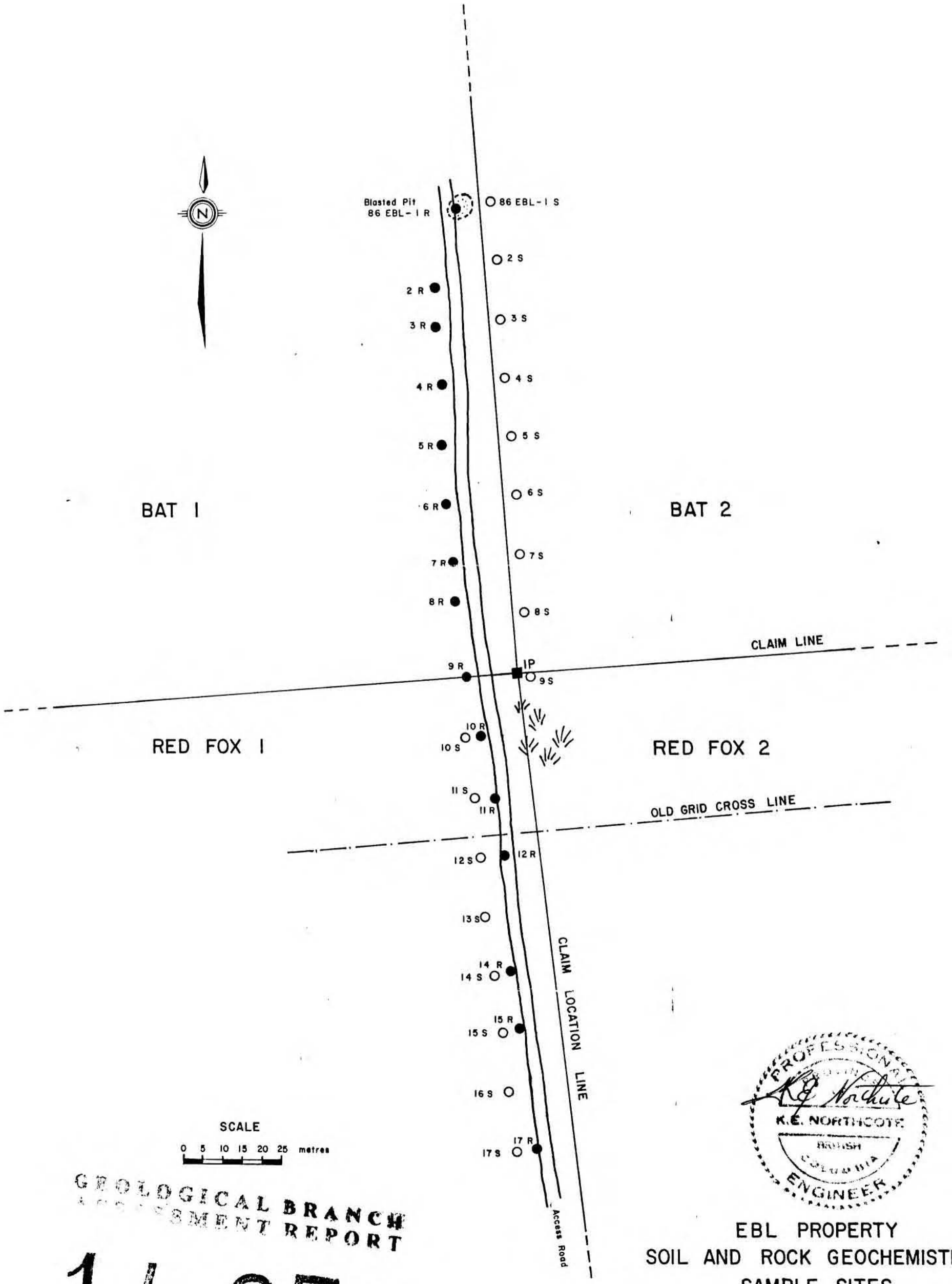
Soil samples were taken at 15 metre intervals along the common claim line between BAT 1 and BAT 2 and RED FOX 1 and RED FOX 2. Samples of the top 8 inches of the "B" horizon, underlying the organic "A" horizon, were collected with a gold and silver-free hand shovel and placed in kraft soil sample bags for shipment to Min-En Laboratories. Methods of Au and Ag analyses and original laboratory analysis sheets form Appendix "B".

RESULTS

A total of 17 soil samples and 16 rock samples were collected and submitted to Min-En Laboratories for geochemical analyses. Gold and silver values for soils ranged from 1 to 19 ppb Au and from 0.5 to 4.0 ppm Ag. Gold and silver values for rocks ranged from 1 to 137 ppb Au and from 0.3 to 8,0 ppm Ag.



DRAWN J.F.B.	K.E. NORTHCOTE AND ASSOCIATES LTD	SCALE 1"=800'
CHECKED K.E.N.	EBL GROUP	
DATE JANUARY 1986		FIGURE - 3



JUNE 15, 1986

K.E. NORTHCOTE
BRITISH COLUMBIA
PROFESSIONAL ENGINEER

EBL PROPERTY
SOIL AND ROCK GEOCHEMISTRY
SAMPLE SITES

FIGURE 4

APPENDIX "A"

EBL Group

1986 Sample Descriptions

June 4, 1986

EBL GROUP

Sample Descriptions

86 EBL 1R(4) Outcrop Pit #1 0+00m S

Chlorite-biotite schist, strong foliation, fine grained, -1mm, biotite-rich, sericite (?)-rich small lensoidal segregations. Non magnetic. No obvious disseminatioed sulphides.

86 EBL-1R(8) Outcrop Pit #1

Siliceous impregnation, injected into and crossing plane of foliation of (A) sugary textured fine grained quartz, feldspar-rich segregations and with screens of biotite-chlorite from wall rock. Non magnetic. No obvious disseminated sulphides.

86 EBL-2R Float 0+15m S

Chlorite, biotite,sericite schist, strong foliation, fine grained 1 to 2 mm, mineral species tend to be segregated into small lensoids. Non magnetic. Disseminated sulphides pyrrhotite, chalcopyrite in flattened aggregates of grains within foliation. Weakly magnetic Au

86 EBL-3R Float 0+30 m S

Chlorite, biotite, quartz schist with weak foliation, more granular texture. Weak magnetic locally. Disseminated pyrite, chalcopyrite, lesser pyrrhotite. Strong iron staining, trace of malachite.

86 EBL-4R Float 0+60 m s

Granular textured, chlorite, biotite quartz, feldspar with weak foliated metamorphosed intrusive (?) Non magnetic. Disseminated pyrite, chalcopyrite Strong iron staining.

86 EBL-5R Float 0+75 m S

Granular textured chlorite, biotite, quartz, feldspar, fine grained, weakly foliated metamorphosed intrusive (?). Non magnetic Strong disseminated pyrite, chalcopyrite. Iron and lesser copper stained. Very weakly calcareous.

86 EBL-6R Float 0+90 m S

Granular textured chlorite, biotite, quartz feldspar, fine grained moderately foliated schist. Very weakly calcareous. Non magnetic. Strong disseminated pyrite, chalcopyrite.

86 EBL-7R Float 0+105 m S

Chlorite, sericite schist, strong foliation. Non magnetic. Non calcareous Weak disseminated anhedral pyrite.

86 EBL-8R Float 0+120 m S

Chlorite, sericite, biotite, quartz feldspar, granular schist with moderate foliation. Trace magnetic. Weak to moderate disseminated pyrite and chalcopyrite. Iron-stained.

86 EBL-9R Float 0+135 m S

Chlorite, quartz, sericite schist, strong foliation, minute lensoidal granular quartz segregations in plane of foliation. Lensoidal segregations of pyrite and chalcopyrite grains in plane of foliation. Non calcareous. Non magnetic. Iron and traces of copper stain.

86 EBL-10R Float 0+150 m S

Chlorite, biotite(?), quartz granular schist, non granular minerals have a sugary texture. Lensoidal structure. Fine grained schistose lensoidal clasts in plane of foliation. Non calcareous. Non magnetic. Strong disseminated pyrite and chalcopyrite. Strong iron stain. Weathered.

86 EBL-11R Float 0+165 m S

Chlorite schist, with sericite and biotite, strong foliation, Non calcareous. Non magnetic. Weak scattered pyrite in lensoidal aggregates of grains in plane of foliation. Non calcareous. Non magnetic

86 EBL-12R Float 0+180 m S

Chlorite, sericite, quartz schist. Impregnated and veined by medium grained sugary vitreous granular quartz parallel to and crossing plane of foliation. Non calcareous, non magnetic. Iron stained fracture surfaces and drusy pits where sulphides have been weathered out.

86 EBL-14R Float 0+210 m S

Chlorite, biotite, fine granular quartz schist. Granular quartz veinlets and lensoids in plane of foliation. Weak calcareous. Non magnetic. Moderate disseminated pyrite, chalcopyrite

86 EBL-15R Float 0+225 m S

Chlorite, sericite schist, strong foliation Non calcareous. Non magnetic. Abundant disseminated limonite pseudomorphous after pyrite.

86 EBL-17R Float 0+255 m S

Fine granular chlorite sericite quartz(?) schist, weakly foliated Non calcareous, weakly magnetic. Fine disseminated pyrite, pyrrhotite, traces chalcopyrite

86 EBL-18R Float from LYNX 1 Claim

Opposite spilled core site. Granular quartz, chlorite, sericite schist, granular sugary quartz in lensoids in plane of foliation. Non calcareous, non magnetic. Disseminated fine and coarse euhedral pyrite.

APPENDIX "B"

EBL Group

Geochemical Analyses

Soils and Rocks

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project EBL 86 Date of report June 4, 1986.

File No. 6-291 Date samples received June 2, 1986.

Samples submitted by:

Company: K.E. Northcote

Report on: 17 soils, 19 rocks assay prep Geochem samples

Assay samples

Copies sent to:

1. K.E. Northcote, Agassiz, B.C.
2.
3.

Samples: Sieved to mesh -80 soil Ground to mesh -100 rocks

Prepared samples stored ☒ discarded ☐

rejects stored ☒ discarded ☒ soils

Methods of analysis: Ag-nitric,perchloric digestion. A.A., Au-fire.

Remarks:

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: K.E.NORTHCOTE
PROJECT: EBL-86
ATTENTION: K.E.NORTHCOTE

FILE: 6-291
DATE: JUNE 4/86.
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 17 samples submitted.

SAMPLE NUMBER	AG PPM	AU-FIRE PPB	
86-EBL-1S	1.0	2	
2S	0.5	1	
3S	0.7	1	
4S	1.0	1	
5S	0.6	2	
6S	0.9	3	
7S	1.1	1	
8S	4.0	4	40MESH
9S	1.9	19	
10S	0.6	2	
11S	1.2	1	
12S	0.9	1	
13S	0.8	1	
14S	0.8	1	
15S	0.9	1	
16S	0.6	1	
86-EBL-17S	0.9	2	

Certified by _____

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604)980-5814 OR (604)988-4524 TELEX: 04-352928

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: K.E.NORTHCOTE
PROJECT: EBL 86
ATTENTION: K.E.NORTHCOTE

FILE: 6-291
DATE: JUNE 4/86.
TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 19 samples submitted.

SAMPLE NUMBER	AG PPM	AU-FIRE PPB
86-EBL-1R	1.0	1
2R	1.2	1
3R	2.0	1
4R	2.5	1
5R	2.3	1
6R	1.8	3
7R	1.2	1
8R	0.4	1
9R	1.4	1
10R	8.0	137
11R	1.4	1
12R	0.5	2
14R	1.4	1
15R	1.8	1
17R	1.0	3
18R	1.0	2
19R	0.6	1
20R	0.4	1
86-EBL-21R	0.3	4

Certified by _____

CERTIFICATE

I, Kenneth E. Northcote of 2346 Ashton Road, R.R. #1, Agassiz, B.C. do hereby certify that:

1] I have been practising as a professional geologist for a period of approximately 25 years for petroleum exploration companies, mining exploration and consulting companies, federal and provincial agencies.

2] I obtained a Ph.D. in geology from U.B.C. in 1968 and qualified for registration with the Association of Professional Engineers of B.C. in 1967.

3] This report is a result of work done personally on the EBL Property during the period May 28 to June 12, 1986.

4] These claims are 100% owned by K.E. Northcote. This report is for assessment purposes.

Dated at Agassiz B.C. this 15th day of June, 1986

K.E. Northcote Ph.D., P.Eng.

86-336-

COST OF ASSESSMENT WORK

Period May 28 to June 15, 1986

FIELD COMPONENT	
Wages	$ 650.00
K.E. Northcote 2 days @ $250.00	
B.K. Northcote 2 days @ $ 75.00	
Food and Lodging	100.00
2 men x 2 days x $25.00	
Tent camp	
Transportation	162.50
650 km @ 25¢	
Petrography 17 specimens @ $5.00	85.00
Assays	377.45
REPORT PREPARATION	
K.E.N. 1.5 days @ $250.00	375.00
Draughting 8 hrs @ $10.00	80.00
Typing and reproduction	75.00
TOTAL	$1 904.95

INVOICE

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
'ORTH VANCOUVER,B.C.
CANADA V7M 1T2

PHONE:(604)980-5814 OR 988-4524
TELEX:04-352828

INVOICE No 1582B

DATE:JUNE 9/86

TO : K.E. NORTHCOTE & ASSOC.
2346 ASHTON RD.
AGASSIZ, B.C.
V0M 1A0

FILE No: 6-291
PROJECT: EBL 86

ATTENTION KEN NORTHCOTE

QTY	DESCRIPTION	UNIT PRICE	AMOUNT
17	SOIL GEOCHEM - AG, FIRE AU	8.50	144.50
17	SOIL SAMPLE PREP	.85	14.45
19	ROCK GEOCHEM - AG, FIRE AU	8.50	161.50
19	ASSAY SAMPLE PREP	3.00	57.00
	* TOTAL *		377.45

THESE ARE PROFESSIONAL SERVICES AND ARE PAYABLE WHEN RENDERED.
OVER 30 DAYS 2% INTEREST PER MONTH WILL BE CHARGED.