

PROPOSED EXPLORATION

CAMBAC #1 AND #2 CLAIMS

5067 5068  
KAMLOOPS M.D.

NTS 92P/9,16W

671900

D. L. COOKE AND ASSOCIATES LTD.

MINERAL EXPLORATION CONSULTANTS

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16331 BELL ROAD  
SURREY, B. C.,  
CANADA

PROPOSED EXPLORATION

CAMBAC #1 AND #2 CLAIMS

N.T.S. 92P/9,16W M.D.: KAMLOOPS

STATEMENT OF PROPOSAL

A program of geological mapping, geophysics, and soil geochemistry is proposed to evaluate the gold and silver potential of the Cambac claims, which cover favourable carbonaceous Triassic black argillites and phyllites, known to carry gold elsewhere in the district (cf. Eureka Resources Inc.)

OBJECTIVE

The objective is to locate economic gold and silver mineralization at surface, or find evidence that sub-surface Au-Ag mineralization exists in association with pyrite and quartz veining.

PROPERTY AND OWNERSHIP

The property consists of two claims (Cambac #1 and #2 (35 units)) recorded in the name of J. Cameron Stephen, 221 West Rockland Rd., North Vancouver, B.C., V7N 2V9. An undivided 50% interest is beneficially reserved for David L. Cooke, 16331 Bell Road, Surrey, B.C., V3S 1J9. The claims were recorded at the Vancouver Government Agent's office on November 23, 1983.

LOCATION AND ACCESS

N.T.S.: 92P/9,16 W      M.D.: KAMLOOPS

The claims are situated at 1200 - 1500 metres elevation, 20 kilometers west of Clearwater, B.C. and are accessible by good gravel roads via Star Lake and Mann Creek. (Figure 2).

EXPLORATION CONCEPT AND GEOLOGY

The claims were staked to cover a band of graphitic argillites, limey sediments and phyllites which extend south from the Eureka Resources gold discovery in the Quesnel Lake map area. The rocks in the Eureka area also include alkaline volcanics and intrusions and are classed as upper Triassic in age. These overlie upper Paleozoic Slide Mtn. greenstones.

Proposed Exploration, Cambac #1 and #2 Claims, contd.

On the Eureka property these carbonaceous phyllites contain pyrite and a carbonate-rich unit which carries anomalously high gold values (up to 1.13 grams/tonne). Remobilization has caused the development of quartz sweats together with the concentration of gold (up to 6.0 grams/tonne). All five holes in the initial drilling in 1983 have intersected gold, with the best returning 0.18 oz. Au/14.5 ft.; including 0.48 oz. Au/5.0 ft. The gold is strataform and is believed to be syngenetic in origin; a theory which makes room for the development of a large tonnage deposit.

The country rocks on the Cambac property are also Triassic in age and are associated with the older upper Palaeozoic Fennell greenstones and younger intermediate Jurassic volcanic sequence. The intrusion in the Cambac area is more acidic than in the Eureka area, and batholithic rather than hypabyssal. The Cambac phyllites contain abundant pyrite and secondary quartz sweats. The granitic rocks have previously been explored for porphyry molybdenum mineralization, and the phyllites for massive sulphides. Soil sampling in the vicinity by one previous operator defined extensive silver anomalies, but nothing of interest in Cu, Mo, Pb and Zn. No analyses for gold have been reported.

PROPOSED PROGRAM

A program of geological mapping, soil sampling, and IP survey is proposed to evaluate the claims for their gold and silver potential. Extensive sampling of quartz sweats and veinlets, as well as of carbonate-rich and sulphide-rich horizons, will be imperative. Soil sampling is intended to evaluate covered areas with poor rock exposure. Geophysical surveys are optional. An IP survey would be utilized if sulphide-rich zones coincided with anomalous gold content in rock and soil.

The cost of completing this evaluation program over a 20 km grid area is estimated at \$36,000. The program could be completed in 4 to 6 weeks.

Estimated Cost

<u>Line Cutting:</u> 20 km of grid @ \$300/km	\$6,000
<u>Geochemistry:</u> 500 samples @ \$10.00	5,000
<u>Geology:</u> 3 man months @ \$5000/mth.	15,000
<u>Domicile &amp; Camp:</u> 80 man days @ \$45/day	3,600
<u>Report, Drafting, etc.</u>	1,400
<u>Transportation:</u> 4 x 4 - 1½ mth. @ \$1300/mth.	2,000
	\$33,000
Contingency	3,000
	<u>\$36,000</u>
<u>Geophysics (contingent)</u> 20 km. I.P.	\$24,000

Proposed Exploration, Cambac #1 and #2 Claims, contd.

FUTURE ACTION

If the results of the program are positive the next year's program is expected to consist of trenching and diamond drilling, estimated at \$150,000 - \$200,000.

Respectfully submitted

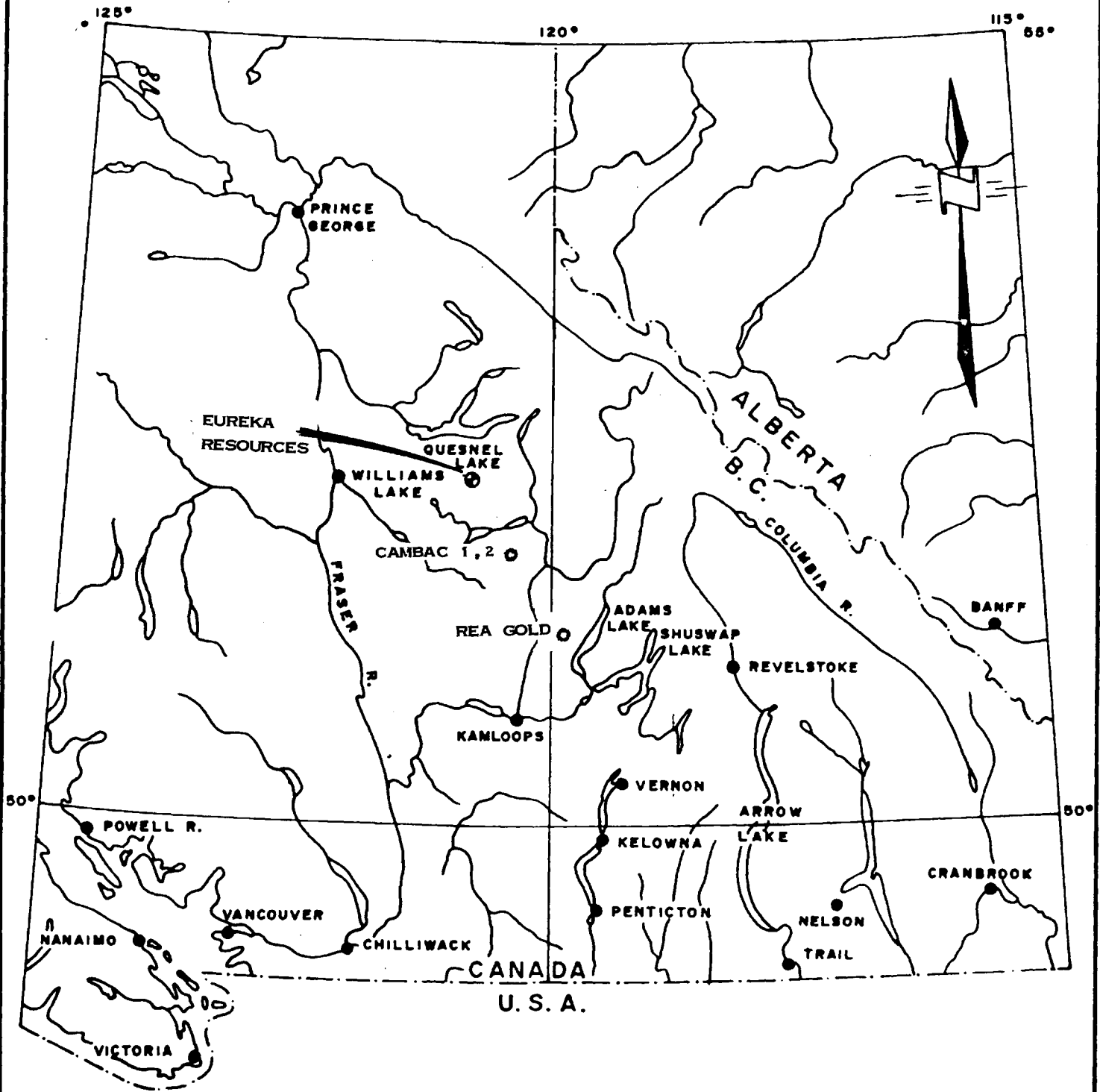
D. L. COOKE & ASSOCIATES LTD.

A handwritten signature in black ink, appearing to read 'D. L. Cooke', written over a horizontal line.

D. L. Cooke, Ph.D., P.Eng.

Attachments:

1. Location - Cambac claims
2. Excerpt - Geology; Bonaparte Lake, 1" = 4 mile
3. Claim Map - Cambac #1 & #2, 1:50,000



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LOCATION MAP  
CAMBAC CLAIMS

KAMLOOPS M.D.    NTS 92P/9,16

SCALE 1 = 64 MILES    NOV. 1983

FIGURE 1

CRETACEOUS (?)

21 21a, biotite quartz monzonite and granodiorite; minor pegmatite, aplite, biotite-hornblende quartz monzonite; 21b, hornblende diorite; 21c, quartz diorite, diorite, granodiorite (may include some older rocks); 21d, aplite and leuco-quartz monzonite

LOWER CRETACEOUS

20 JACKASS MOUNTAIN GROUP  
Greywacke, shale, siltstone; minor arkose and lenses of pebble conglomerate

JURASSIC (?)

19 Shale, grit  
18 Chert pebble conglomerate, greywacke

MIDDLE JURASSIC (?)

17 Biotite granite, quartz diorite, hornblende granodiorite (phase of 14)

JURASSIC

LOWER AND (?) MIDDLE JURASSIC

16 Porphyritic augite andesite breccia, conglomerate and flows; minor andesite, arenite, flows; 16a, isolated areas of augite and hornblende andesite (may be all or partly intrusive)

LOWER JURASSIC

15 Andesitic arenite, siltstone, grit and breccia; local granite bearing conglomerate; minor argillite and flows; includes minor amounts of 12, 11, and (?) 2

TRIASSIC OR JURASSIC

UPPER TRIASSIC OR LOWER JURASSIC

14 Hornblende-biotite quartz diorite and granodiorite, minor hornblende diorite, monzonite, gabbro, hornblendite

13 13a, fine- to medium-grained, pink to brown and grey syenite and monzonite; 13b, medium-grained, creamy-buff, locally coarsely porphyritic (K-feldspar) syenite and monzonite (13b may be equivalent in age to 14 or 17)

TRIASSIC

UPPER TRIASSIC

NICOLA GROUP (11 and 12)

12 Augite andesite flows and breccia, tuff, argillite, greywacke, grey limestone; includes minor 2, 10, and 11

11 Black shale, argillite, phyllite, siltstone, black limestone

TRIASSIC AND/OR EARLIER

UPPER TRIASSIC AND/OR EARLIER

10 FENNEL FORMATION: pillow lavas, greenstone, foliated greenstone, greenschist, argillite, chert, minor amphibolite, limestone, breccia

9 9a, quartzite, quartz-phyllite, quartz-granule conglomerate, argillite, phyllite, calcareous phyllite, marble, greenschist, greenstone; 9b, dark grey and black argillite, siltstone, phyllite, minor limestone

8 Serpentinite and serpentized peridotite

PERMIAN

UPPER PERMIAN

CACHE CREEK GROUP (IN PART)

7 MARBLE CANYON FORMATION: massive limestone, limestone breccia and chert; minor argillite, tuff, andesitic and basaltic flows

UPPER (?) PERMIAN

CACHE CREEK GROUP (IN PART)

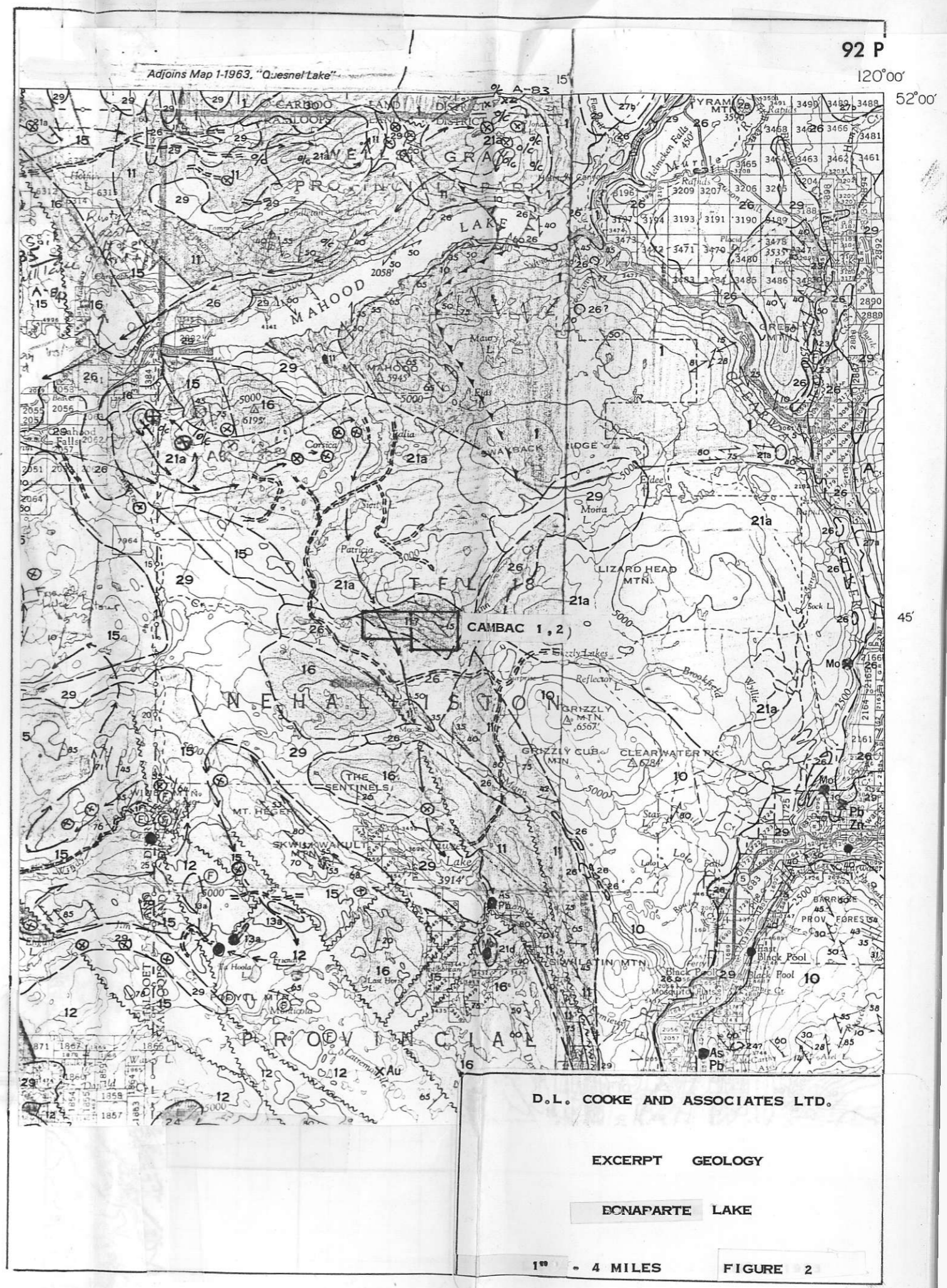
6 Argillite, basaltic flows, tuff, chert, limestone

LOWER PERMIAN

CACHE CREEK GROUP (IN PART)

5 Basic volcanic flows, tuff, ribbon chert, limestone, argillite (may be equivalent in part to 6)

MESOZOIC



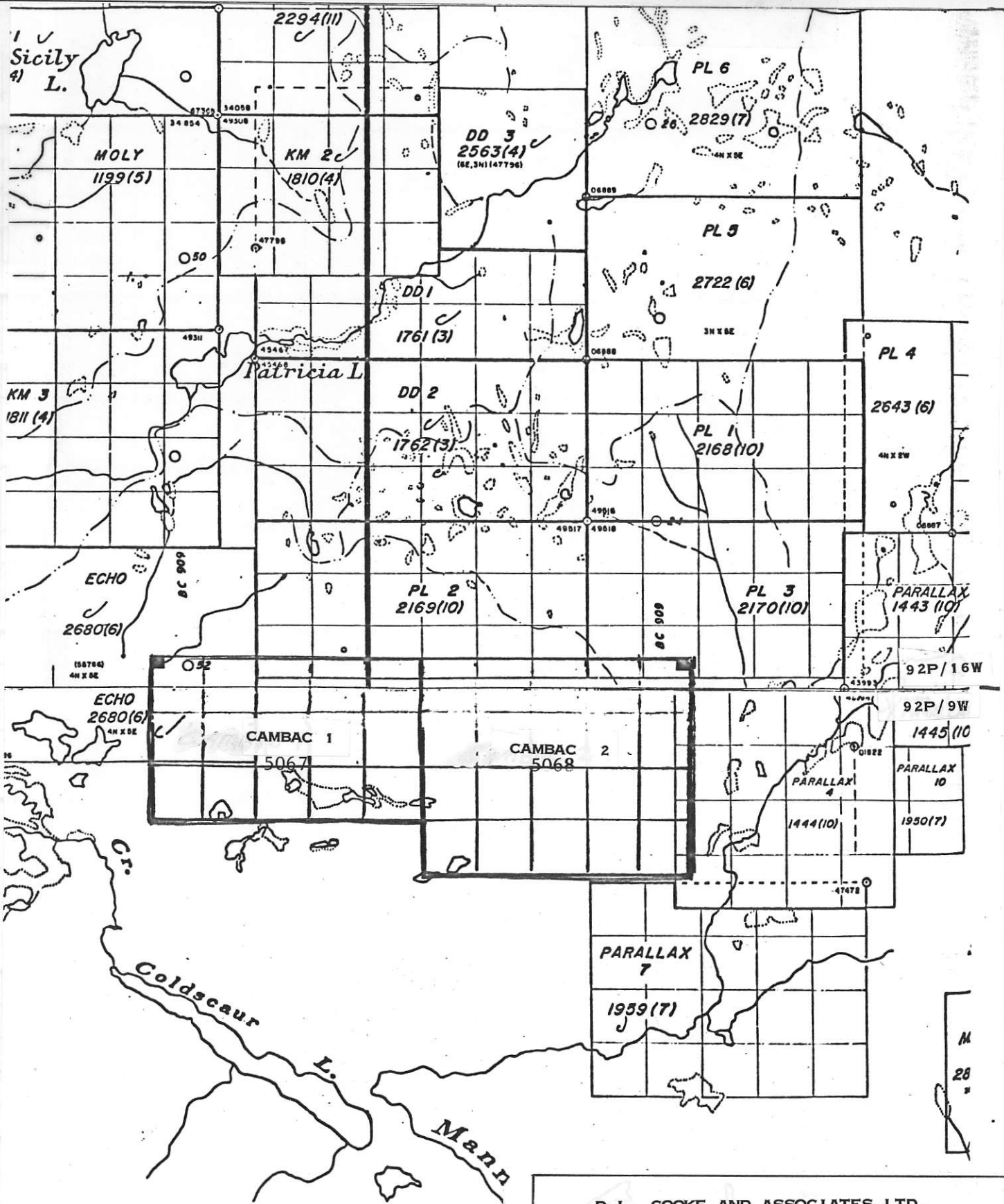
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EXCERPT GEOLOGY

BONAPARTE LAKE

1" = 4 MILES

FIGURE 2



D.L. COOKE AND ASSOCIATES LTD.

CLAIM MAP

CAMBAC 1, 2

KAMLOOPS M.D.

NOV. 1983

FIGURE 3

RECORD OF MINERAL CLAIM - MINERAL ACT

3067

MAP NO. 927/16W FORM G RECORD NO. \_\_\_\_\_

MINING RECEIPT NO. 210905E RECORDED AT Kamloops C. THIS 23 DAY OF November 1983

NOT WRITE IN  
SHADED AREAS

GOLD COMMISSIONER

MINING DIVISION

APPLICATION  
TO RECORD  
A  
MINERAL  
CLAIM.

I, William Flanagan NAME AGENT FOR J. Cameron Stephen NAME  
315 East 10th, North Vancouver, B.C. ADDRESS 221 West Rockland Rd., North Vancouver ADDRESS  
B.C.  
VALID SUBSISTING F.M.C. NO. 237603 VALID SUBSISTING F.M.C. NO. 250821

STATE THAT: I COMMENCED LOCATING THE Quartz No. 1 MINERAL CLAIM

ON THE 8 DAY OF November, 1983 AT 9:00 AM AND COMPLETED THE LOCATION  
(TIME INDICATE A.M. OR P.M.)

ON THE 8 DAY OF November, 1983 AT 3:00 PM CONSISTING OF  
(TIME INDICATE A.M. OR P.M.)

3 UNIT LENGTHS S AND 5 UNIT LENGTHS E AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION  
(NUMBER) (DIRECTION) (NUMBER) (DIRECTION)

ON METAL TAGS NO. 93223 WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE 1E, 2E, 3E, 4E, 5E, 3S, 3S1E, 3S2E

CHECK "X" APPLICABLE SQUARE  THE LEGAL CORNER POST IS SITUATED: 300M N 300M E of  
 THE WITNESS POST FOR THE LEGAL CORNER POST }  
the West tip of Coldwater Lake located on Map 927-9W 10 P 16W

† BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST \_\_\_\_\_

BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST \_\_\_\_\_

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION.

SIGNATURE

OFFICE STAMP

210905E 11/15/83

NO. OF UNITS \_\_\_\_\_

WORK NUMBERS	C/L IN \$	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	DATE OF EXPIRY	CREDIT WORK IN \$	TRANSFERS (B/S'S, ASSIGNMENTS, CONVEYANCES)

OWNER



RECORD OF MINERAL CLAIM - MINERAL ACT

MAP NO. **92P/16W 4 SW** FORM G RECORD NO. **3068**  
 MINING RECEIPT NO. **2109052** RECORDED AT **Kamloops** B.C. THIS **23** DAY OF **November** 19 **83**  
 NOT WRITE IN SHADED AREAS GOLD COMMISSIONER MINING DIVISION

APPLICATION TO RECORD A MINERAL CLAIM.

I, **Dennis Richards** NAME AGENT FOR **J. Cameron Stephen** NAME  
**(207-3489 Kingsway, Vancouver, B.C.)** ADDRESS **221 W. Rockland Rd., North Vancouver, BC** ADDRESS  
 VALID SUBSISTING F.M.C. NO. **250837** VALID SUBSISTING F.M.C. NO. **250821**

STATE THAT: I COMMENCED LOCATING THE **Qmbac No. 2** MINERAL CLAIM

ON THE **8** DAY OF **November**, 19 **83** AT **7:20 AM** (TIME INDICATE A.M. OR P.M.) AND COMPLETED THE LOCATION  
 ON THE **8** DAY OF **November**, 19 **83** AT **5:05 PM** (TIME INDICATE A.M. OR P.M.) CONSISTING OF

**4** UNIT LENGTHS **S** AND **5** UNIT LENGTHS **W** AND I HAVE IMPRESSED ALL THE REQUIRED INFORMATION  
 ON METAL TAGS NO. **93222**, WHICH HAS BEEN SECURELY FASTENED TO THE POSTS AS REQUIRED UNDER THE REGULATIONS.

IDENTIFICATION POST(S) NOT PLACED WERE **1N, 2N, 3N, 4N, 5N, 5W/1S**

CHECK "X" APPLICABLE SQUARE  THE LEGAL CORNER POST IS SITUATED **3000m N 5000m E of**  
 THE WITNESS POST FOR THE LEGAL CORNER POST  
**the West tip of Coldscour Lake located on Map 92P-16W**

BEARING AND DISTANCE TO TRUE POSITION OF LEGAL CORNER POST FROM THE WITNESS POST \_\_\_\_\_  
 BEARING AND DISTANCE FROM IDENTIFICATION POST TO WITNESS POST \_\_\_\_\_

I HAVE COMPLIED WITH ALL THE TERMS OF THE MINERAL ACT AND REGULATIONS PERTAINING TO THE STAKING OF MINERAL CLAIMS AND HAVE ATTACHED A PLAN, ACCEPTABLE TO THE GOLD COMMISSIONER OF THE LOCATION.

*[Handwritten Signature]*

SIGNATURE

**210105 115. 107**  
 OFFICE STAMP

NO. OF UNITS

WORK NUMBERS	C/L IN \$	MINING RECEIPT AND DATE RECORDED	TYPE OF WORK	DATE OF EXPIRY	CREDIT		TRANSFERS (B/S'S, ASSIGNMENTS, CONVEYANCES)
					WORK IN \$		

OWNER