

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

MineQuest Report #27a

10,868

COQUIHALLA PROJECT
GEOCHEMICAL SOIL SAMPLING

N.T.S. 92-H-7

Similkameen Mining Division,
New Westminster Mining Division

Latitude 49°32'
Longitude 121°03'

by

R.V. Longe

of

MINEQUEST EXPLORATION ASSOCIATES LIMITED

for

CLIFTON RESOURCES LIMITED
(owner of the claims)

Claims

<u>Name</u>	<u>Record No.</u>
Aura 1	1604
2	1605
3	1606
4	1607
Fine 2	1613

December 1982

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1. INTRODUCTION

After recognizing a potential for gold among the Tertiary volcanic rocks in the vicinity of Coquihalla Mountain, MineQuest Exploration Associates staked thirteen claims during the period November 1981 to February 1982 on behalf of Clifton Resources Limited.

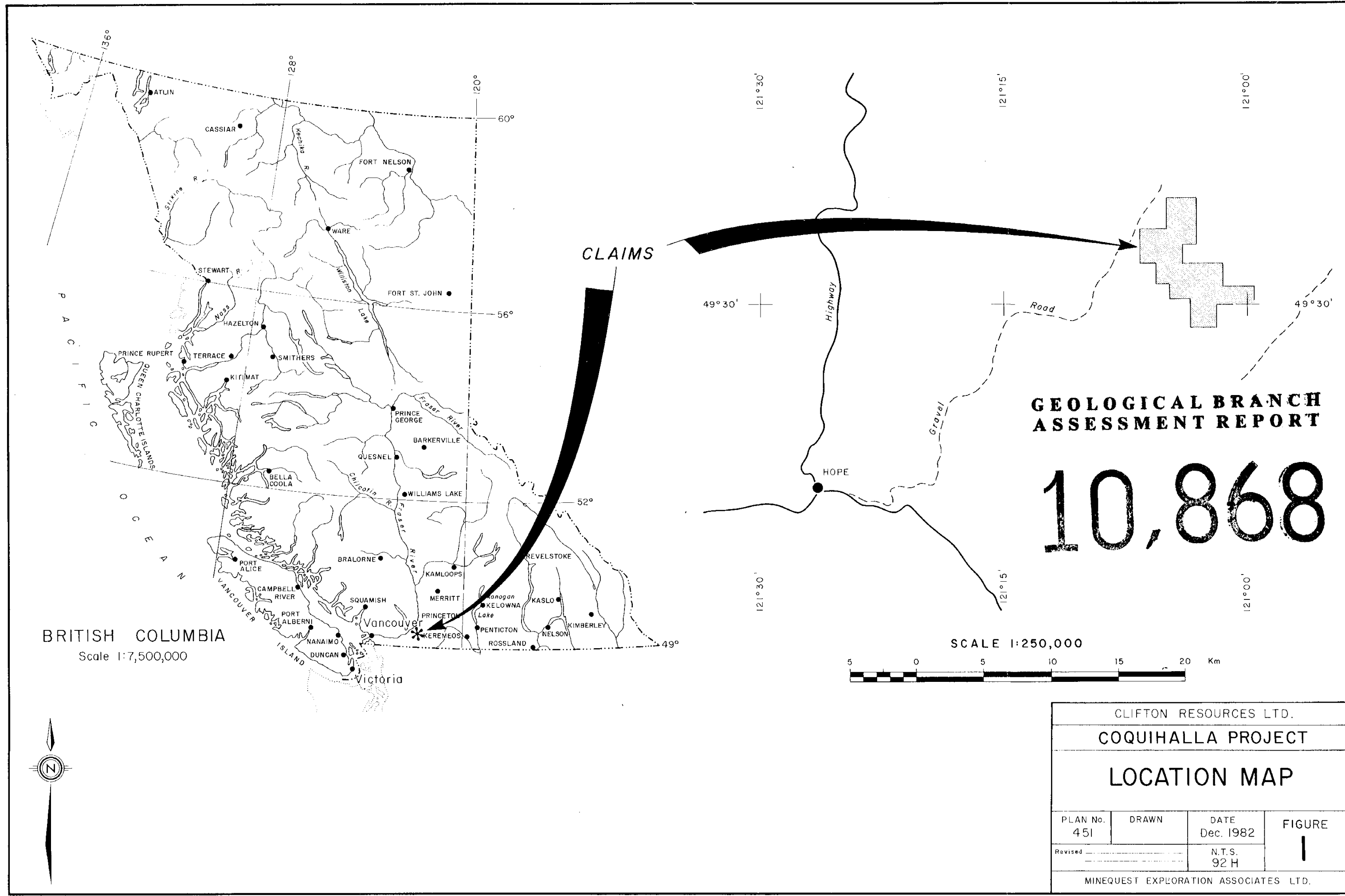
This report describes the first year's work, a program of reconnaissance soil sampling and prospecting.

2. LOCATION AND ACCESS

Coquihalla Mountain lies 30km east of Hope in southern British Columbia. Access is by helicopter from Hope or Agassiz.

The claims cover the west and southwest flanks of Coquihalla Mountain and the south side of Jim Kelly Creek. The terrain which is steep, locally mountainous, lies between 4000 and 6000 feet above sea level.

In previous years there existed a road along Jim Kelly Creek connecting with a logging road between Tulameen and Treasure Mountain. At present the Jim Kelly Creek road is overgrown and impassable. A gravel road along the Coquihalla River to the northwest of Coquihalla Mountain comes close enough to the property to facilitate helicopter access.

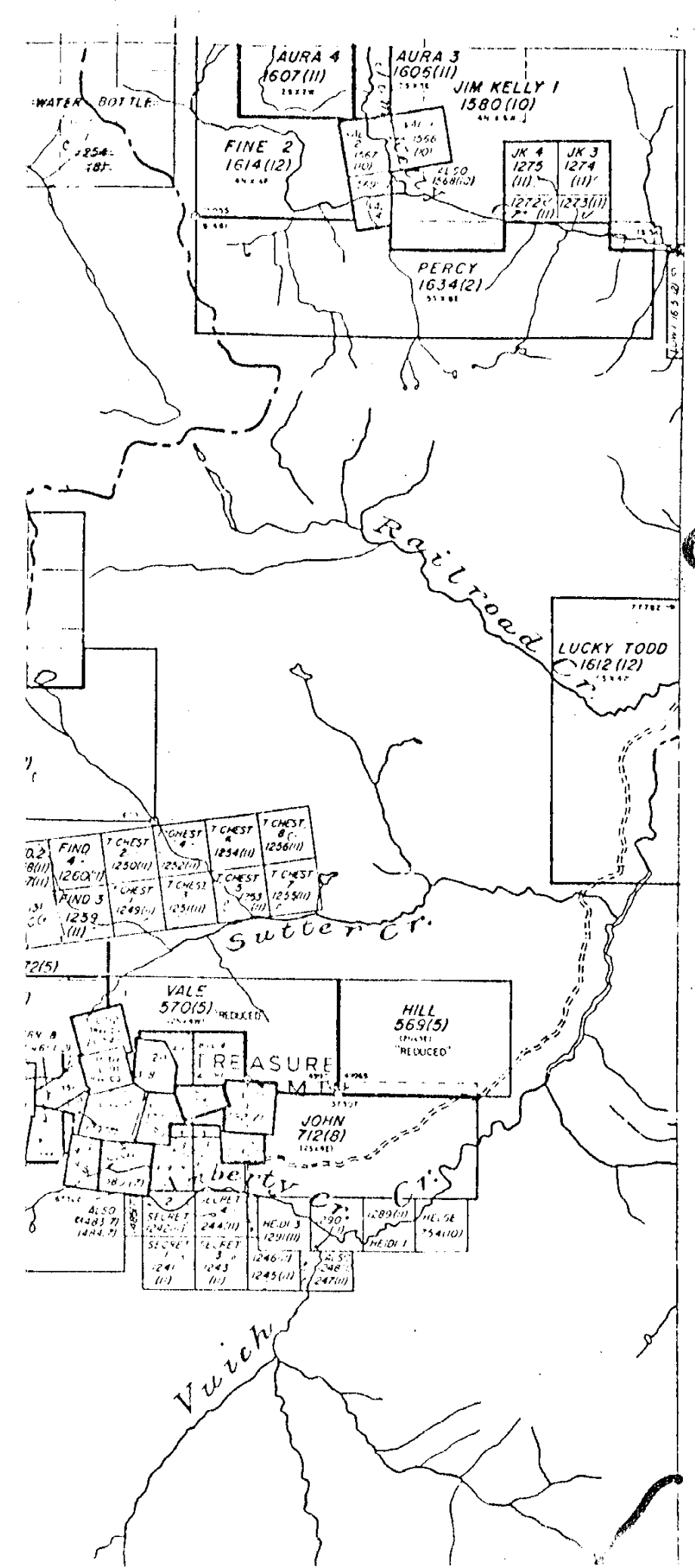


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CLIFTON RESOURCES LTD.			
COQUIHALLA PROJECT			
LOCATION MAP			
PLAN No. 451	DRAWN	DATE Dec. 1982	FIGURE 1
Revised		N.T.S. 92 H	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

EXCLUSIVE DRAFTING SERVICES LTD.



92H/6E

H/7W

3. CLAIM STATUS

The claims, listed in Table I, are held by MineQuest Exploration Associates Limited and Clifton Resources Limited all on behalf of the latter.

TABLE I
CLAIMS

<u>CLAIM NAME</u>	<u>NO. OF UNITS</u>	<u>RECORD NUMBER</u>	<u>DATE RECORDED</u>	<u>DUE DATE (before submission of this report)</u>
Aura I	20	1604	1981 Nov. 30	1982 November 30
II	12	1605	"	"
III	6	1606	"	"
IV	4	1607	"	"
Bold I	18	1407	1982 Feb. 24	1983 February 24
II	18	1408	"	"
Fine I	8	1613	1981 Dec. 29	1982 December 29
II	16	1614	"	"
Low I	10	1615	1981 Dec. 29	1982 December 29
II	3	1616	"	"
Percy I	16	1634	1982 Feb. 24	1983 February 24
Sofa I	15	1369	1981 Nov. 30	1982 November 30
II	12	1370	"	"
III	6	1371	"	"

4. HISTORY AND PREVIOUS WORK

Earliest reports on the area are of gold-bearing quartz veins in the upper reaches of Jim Kelly Creek southwest of Coquihalla Mountain being worked for gold in 1914 (BCDMAR 1914 p K232).

The area experienced a second period of activity in 1937 when gold and silver-bearing quartz veins were worked with open cuts and short adits (BCDMAR 1937 p D21). The exact locations of these quartz veins and of those worked in 1914 are not apparent from contemporary descriptions.

In 1966 a considerable amount of work was done on the south side of Jim Kelly Creek by Bethex Exploration Limited which excavated thirty two trenches totalling over 18,000 feet in length and drilled 2832 feet in five holes (BCDMAR 1966 p 174). The objective at the time appears to have been copper in a porphyry-type situation. Samples were assayed for copper and molybdenum but not for gold or silver.

5. WORK CARRIED OUT IN 1982

The 1982 exploration program consisted of reconnaissance geochemistry, prospecting, and a geological examination.

A crew of eight, lifted by helicopter to a camp site at the head of Jim Kelly Creek, spent the period July 17th to 24st on the claims. A crew of four completed further sampling by helicopter on September 18th and 19th. Sampling in July was supervised by P.D. McCarthy, sampling in September by R. Siemens.

Seven hundred and twenty eight samples were collected at 10m intervals in five soil lines following as near as possible the same elevation.

Prospecting by R. Bilquist consisted mainly of attempts to find the gold-bearing locations described in the 1914 and 1937 reports. Concurrent with the above a geological examination was made of the claims by R.V. Longe who also directed the program.

6. GEOLOGY

The claims fall on both sides of a major fault that separates Jurassic-Cretaceous intrusives and Cretaceous sediments on the southwest from Tertiary rocks on the northeast. The fault, the Jim Kelly Creek Fault, which trends northwest-southeast along Unknown and Jim Kelly Creeks, appears to have been active at the time of Tertiary volcanism and may have been partly responsible for locating the volcanic centre.

The Jurassic-Cretaceous intrusive rocks, known as the Eagle Granodiorite, form part of a large body extending well beyond the map area. These intrusives range in composition from coarse grained granodiorite to diorite which often exhibit a weak northwest foliation. In the southeast part of the claims the Eagle Granodiorite extends to the northeast side of the fault.

The Cretaceous rocks on the southwest side of the fault are sediments (non marine conglomerates sandstone and argillites, Cairnes 1924) of the Pasayten group which rests unconformably on the Eagle Granodiorite.

A Tertiary volcanic centre, well described by Berman and Armstrong (1980) forms an equidimensional patch some 6km across surrounded on all sides by Jurassic and Cretaceous rocks. The Tertiary rocks range in composition from diorites through

to rhyolites and in manner of emplacement from hypabyssal to pyroclastic.

The Tertiary volcanics appears to have been laid down next to the Jim Kelly Creek fault. Early in the stage of basin formation, proceeding most of the volcanics, an avalanche breccia was deposited. The basin was then filled with lithic-crystal tuff some 1500 metres thick. This pile was intruded by stocks and dykes first of pyroxene andesite and then of pyroxene diorite. Rhyolite domes and intrusive rocks are reported locally.

Some ring-like features visible on air photographs are tentatively interpreted as indicative of caldera-type subsidence during volcanism.

No geological mapping was undertaken in the 1982 exploration program. However, the lithic-crystal tuff was examined and found to contain a considerable proportion of pyrite, locally up to 10%. Much of the lithic-crystal tuff exhibits a moderate to strong argillic alteration. Whether this is an hydrothermal affect or whether it is due to acid leaching by the pyrite needs to be determined. No silicification was observed.

7. GEOCHEMISTRY

Heavy mineral samples from the streams around Coquihalla Mountain, collected before the claims were staked and not therefore reported herein, indicated the presence of gold in Jim Kelly Creek.

The objective of the 1982 sampling program was to determine the approximate part of the catchment area which was contributing the gold. With the source roughly outlined a suitable area could then be covered by a soil sampling grid in subsequent exploration seasons.

In the belief that the transportation of gold into the creek in this terrain would be directly down hill by mainly eluvial processes, samples were collected at close intervals along contour lines. An altimeter was used to maintain as near as possible, a constant elevation. Samples were taken at 10 metre intervals.

At the laboratory all samples were dried and sieved to -80 mesh. In the first three lines (A1, A2, A3) composites were made of ten adjacent samples by taking 1 gram scoop from each sample. The succeeding composite sample was taken so has to have a 50% overlap with the previous sample. In this manner the

first composite sample was taken on soil samples 1-10, the next from soil samples 6-15 and the third from soil samples 11-20. In line B1 and S1 composites were made from five consecutive samples with no overlap.

Results are tabulated by soil line in Tables 2, 3, 4, 5, 6 and are shown as geochemical profiles in Figure 2 to 7 inclusive.

Thresholds are taken as follows

Gold	40 ppb
Silver	1.4 ppm
Arsenic	10 ppm
Antimony	20 ppm

Soil Line A1 Soil Line A1 yielded no anomalous results although the samples at the west end of the line approached threshold value in gold.

Soil Line A2 The end of this line, south of Jim Kelly Creek, is weakly anomalous for silver and antimony. The line should be extended if topography permits.

Near the centre of the line between the two forks of Jim Kelly Creek arsenic is anomalous in three samples, gold in one and silver in one. Steep topography in the vicinity of these samples precludes follow-up.

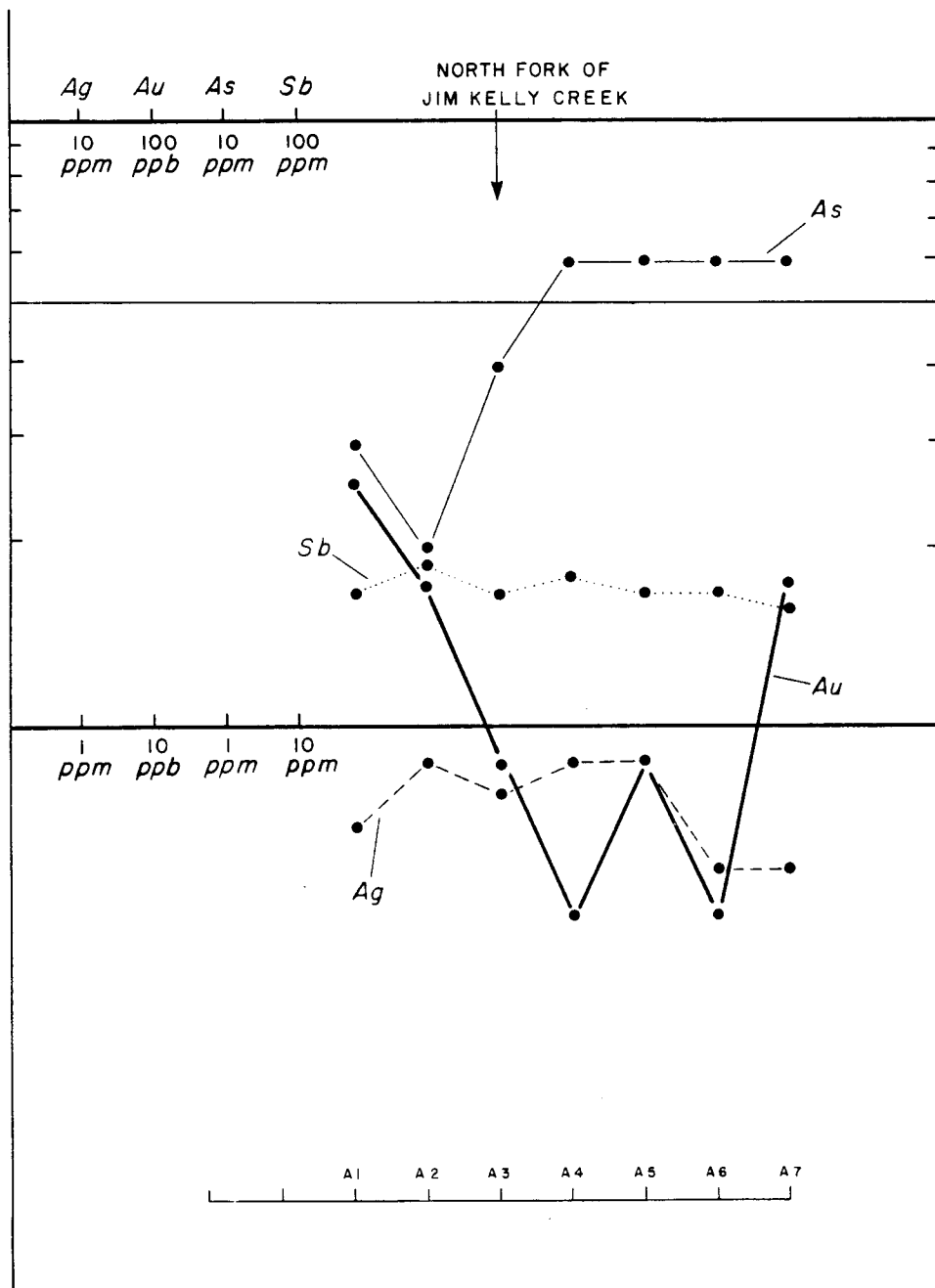
Near the east end of the line on the north side of Jim Kelly Creek a stretch of 250m is anomalous in arsenic (4 samples), gold (1 sample), antimony (4 samples) and silver (2 samples). This should be followed-up with sampling further up hill.

Soil Line A3 At the west end of soil line A3 near Jim Kelly Creek there is one anomalous gold sample, one anomalous arsenic sample and six samples anomalous in antimony. As this anomaly is probably related to the anomaly at the west end of soil line A2 it should be first investigated by sampling above soil line A2.

From the centre of soil line A3 to the east end there exists a stretch anomalous in arsenic followed by a stretch anomalous in gold. Antimony is weakly anomalous in correlation with arsenic. The peak gold value is 158ppb which is an encouraging value especially in the light of each composite sample representing 10 soil samples. At the time of writing the individual samples have not themselves been analysed.

GEOCHEMICAL PROFILE

SOIL LINE - A1

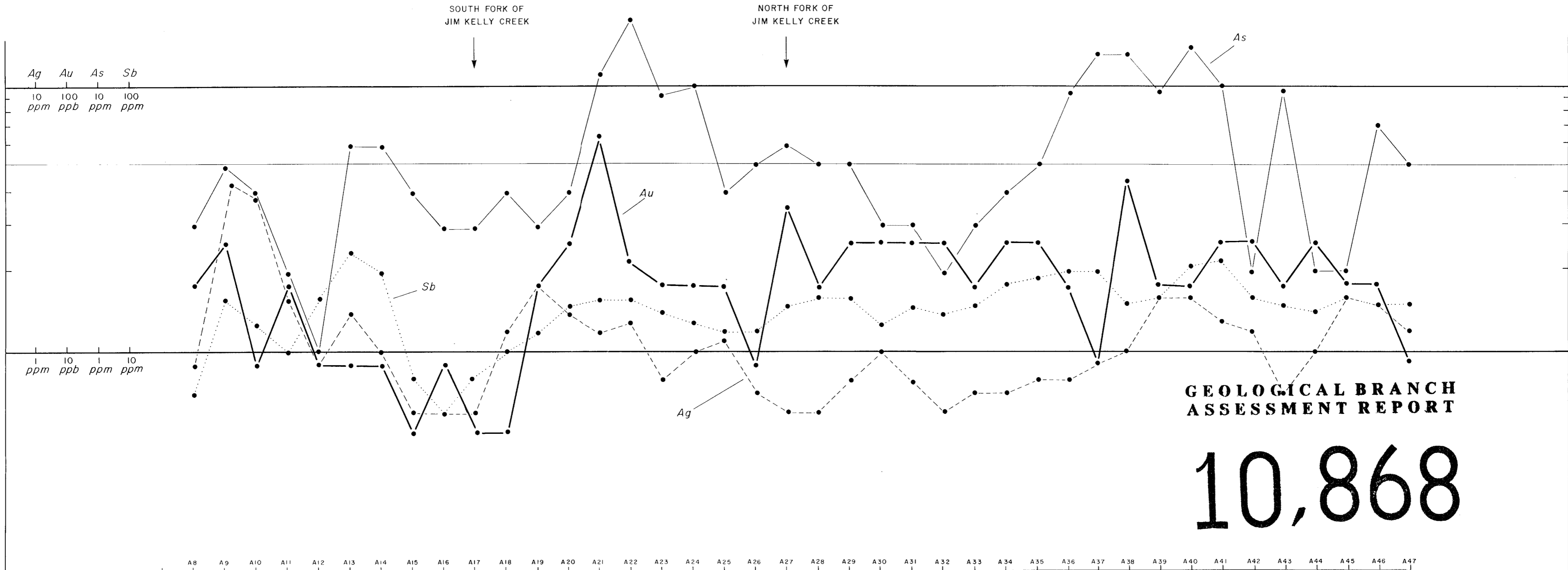


Scale $\frac{100 \text{ m}}{1:5000}$

CLIFTON RESOURCES LTD.		
COQUIHALLA PROJECT		
DRAWN	DATE DEC. 1982	FIGURE 2
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GEOCHEMICAL PROFILE

SOIL LINE - A2



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A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 A40 A41 A42 A43 A44 A45 A46 A47

Scale 1000 m.
1:50,000

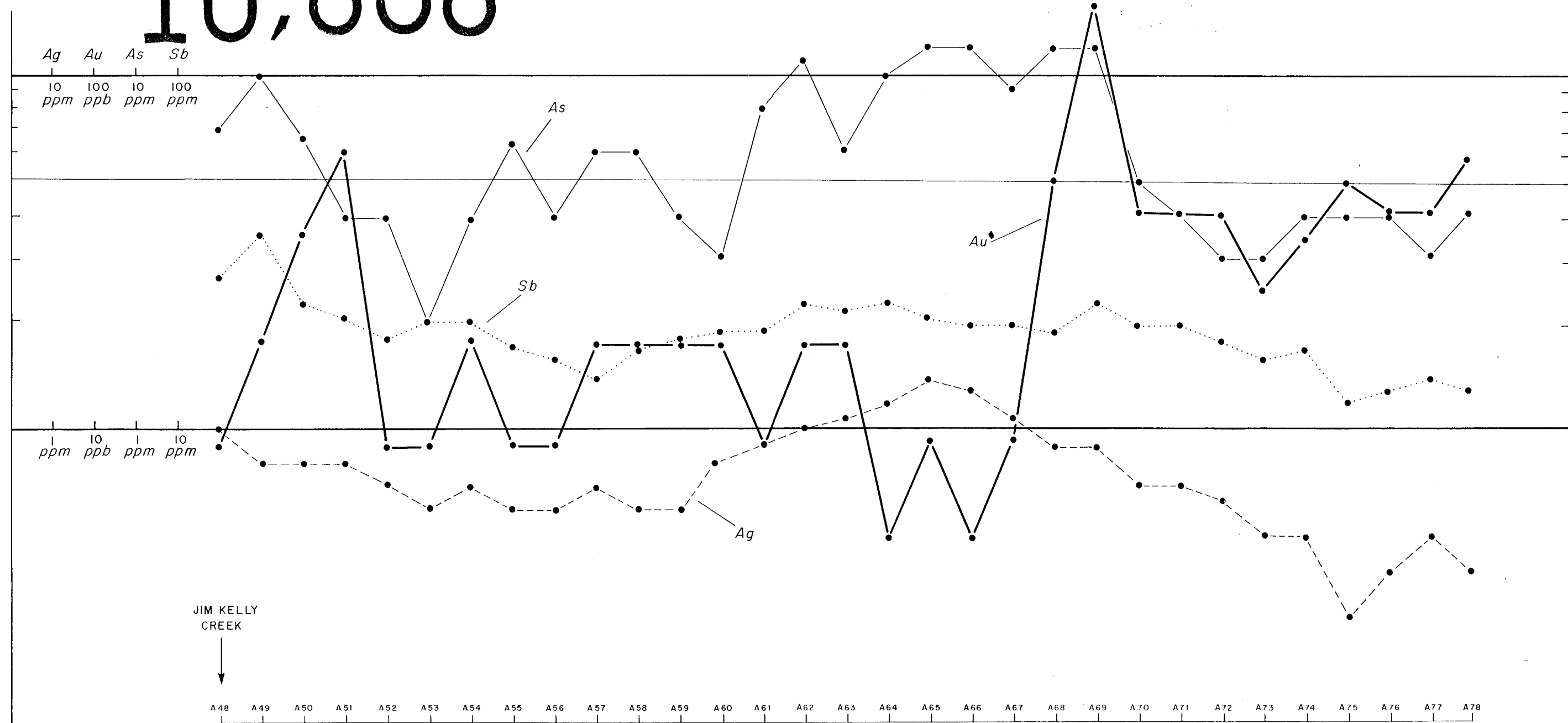
CLIFTON RESOURCES LTD.		
COQUIHALLA PROJECT		
PLAN No. 454	DRAWN DATE: DEC. 82	FIGURE 3
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GEOCHEMICAL PROFILE

SOIL LINE - A3

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Scale 1000 m.
1: 50,000

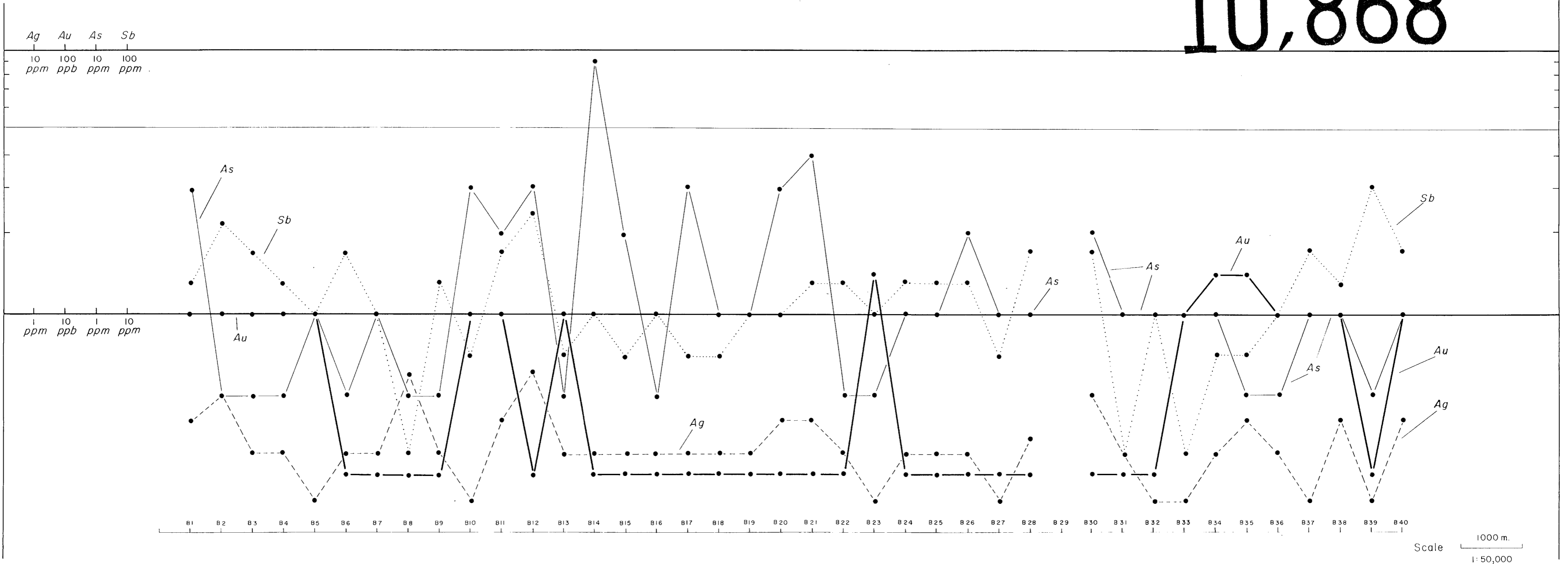
CLIFTON RESOURCES LTD.		FIGURE 4
COQUIHALLA PROJECT		
PLAN No. 455	DRAWN: DATE: DEC. 82	
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GEOCHEMICAL PROFILE

SOIL LINE - B1
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Ag Au As Sb
 10 ppm 100 ppb 10 ppm 100 ppm



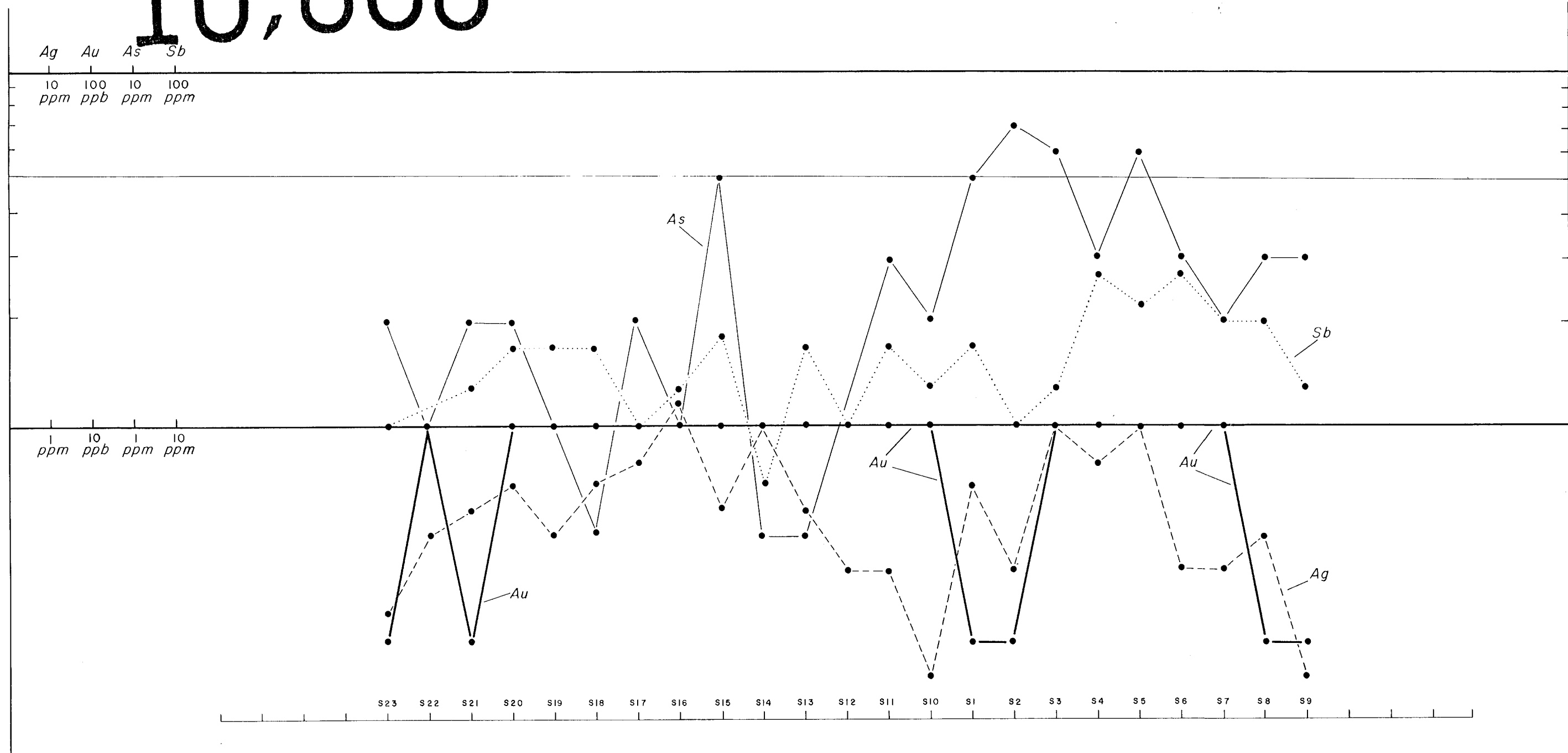
CLIFTON RESOURCES LTD.		
COQUIHALLA PROJECT		
PLAN No. 456	DRAWN DATE: DEC. 82	FIGURE 5
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GEOCHEMICAL PROFILE

SOIL LINE - S1

10,868



Scale 1000 m.
1: 50,000

CLIFTON RESOURCES LTD.		FIGURE 6
COQUIHALLA PROJECT		
PLAN No. 457	DRAWN: DATE: DEC. 82	
Revised _____		MINEQUEST EXPLORATION ASSOCIATES LTD.

TABLE II

GEOCHEMICAL RESULTS FROM SOIL LINE A1

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>	
362	—					
360						
358						
356						
354	A1					
352	—	0.7	26	3	17	
350						
348						
346						
344	—					
342	—	A2	0.9	18	2	19
340						
338						
336						
334	A3		0.8	9	4	17
332	—					
330						
280						
282						
284	—					
286	—	A4	0.9	5	6	18
288						
290						
292						
294	A5		0.9	9	6	17
296	—					
298						
300						
302						
304	—					
306	—	A6	0.6	<5	6	17
305						
310						
312						
314	A7		0.6	18	6	16
316	—					
318						
320						
322						
324	—					
326	—					
328						

TABLE III

GEOCHEMICAL RESULTS FROM SOIL LINE A2

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
100						
99						
98						
97						
96	A8		0.9	18	3	7
95						
94						
93						
92						
91		A9	4.4	26	5	16
90						
89						
88						
87						
86	A10		3.9	9	4	13
85						
84						
83						
82						
81		A11	1.6	18	2	10
80						
79						
78						
77						
76	A12		0.9	9	1	16
75						
74						
73						
72						
71		A13	1.4	9	6	24
70						
69						
68						
67						
66	A14		1.0	9	6	20
65						
64						
63						
62						
61		A15	0.6	5	4	8
60						
59						

TABLE III (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A2

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
58					
57					
56	A16	0.6	9	3	6
55					
54					
53					
52					
51	A17	0.6	5	3	8
50					
49					
48					
47					
46	A18	1.2	5	4	10
45					
44					
43					
42					
41	A19	1.8	18	3	12
40					
39					
38					
37					
36	A20	1.4	26	4	16
35					
34					
33					
32					
31	A21	1.2	67	11	17
30					
29					
28					
27					
26	A22	1.3	26	18	17
25					
24					
23					
22					
21	A23	0.8	18	9	14
20					
19					
18					
17					
16	A24	1.0	18	10	12

TABLE III (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A2

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
15					
14					
13					
12					
11	A25	1.1	18	4	12
10					
9					
8					
7					
6	A26	0.7	9	5	12
5					
4					
3					
2					
1	A27	0.6	35	6	16
150					
152					
154					
156					
158	A28	0.6	18	5	17
160					
162					
164					
166					
168	A29	0.8	26	5	17
170					
172					
174					
176					
178	A30	1.0	26	3	13
180					
182					
184					
186					
188	A31	0.8	26	3	15
190					
192					
194					
196					
198	A32	0.6	26	2	14
200					
202					

TABLE III (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A2

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag ppm</u>	<u>Au ppb</u>	<u>As ppm</u>	<u>Sb ppm</u>
204					
206					
208	A33	0.7	18	3	15
210					
212					
214					
216					
218	A34	0.7	26	4	18
220					
222					
224					
226					
228	A35	0.8	26	5	19
230					
232					
234					
236					
238	A36	0.8	18	9	20
240					
242					
244					
246					
248	A37	0.9	9	13	20
250					
252					
254					
256					
258	A38	1.0	44	13	15
260					
262					
264					
266					
268	A39	1.6	18	9	16
270					
272					
274					
276					
278	A40	1.6	18	14	21
280					
101					
102					
103					
104	A41	1.3	26	10	22

TABLE III (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A2

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
105					
106					
107					
108					
109	A42	1.2	26	2	16
110					
111					
112					
113					
114	A43	0.7	18	9	15
115					
116					
117					
118					
119	A44	1.0	26	2	14
120					
121					
122					
123					
124	A45	1.6	18	2	16
125					
126					
127					
128					
129	A46	1.5	18	7	15
130					
131					
132					
133					
134	A47	1.2	9	5	15
135					
136					
137					
138					
139					
140					

TABLE IV

GEOCHEMICAL RESULTS FROM SOIL LINE A3

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
363						
364						
365						
366						
367						
368						
369	A48		1.0	9	7	27
370						
371						
372						
373						
374		A49	0.8	18	10	36
375						
376						
377						
378						
379	A50		0.8	35	7	23
380						
381						
382						
383						
384		A51	0.8	62	4	21
385						
386						
387						
388						
389	A52		0.7	9	4	18
390						
391						
392						
393						
394		A53	0.6	9	2	14
395						
396						
397						
398						
399	A54		0.7	18	4	20
400						
401						
402						
403						
404		A55	0.6	9	6	20

TABLE IV (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A3

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
405						
406						
407						
408						
409	A56		0.6	9	4	17
410						
411						
412						
413						
414		A57	0.7	18	6	16
415						
416						
417						
418						
419	A58		0.6	18	6	14
420						
421						
422						
423						
424		A59	0.6	18	4	16
425						
426						
427						
428						
429	A60		0.8	18	3	18
430						
431						
432						
433						
434		A61	0.9	9	8	19
435						
436						
437						
438						
439	A62		1.0	18	11	19
440						
441						
442						
443						
444		A63	1.1	18	6	23
551						
552						

TABLE IV (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A3

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
596					
597					
598					
599					
600	A73	0.5	25	3	16
601					
602					
603					
604					
605	A74	0.5	34	4	17
606					
607					
608					
609					
610	A75	0.3	50	4	12
611					
612					
613					
614					
615	A76	0.4	42	4	13
616					
617					
618					
619					
620	A77	0.5	42	3	14
621					
622					
623					
624					
625	A78	0.4	59	4	13
626					
627					
628					
629					
630					

TABLE IV (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE A3

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
553						
554						
555	A64	_____	1.2	5	10	22
556						
557						
558						
559						
560	_____	A65	1.4	9	12	23
561						
562						
563						
564						
565	A66	_____	1.3	5	12	21
566						
567						
568						
569						
570	_____	A67	1.1	9	9	20
571						
572						
573						
574						
575	A68	_____	0.9	50	12	19
576						
577						
578						
579						
580	_____	A69	0.9	158	12	23
581						
582						
583						
584						
585	A70	_____	0.7	42	5	20
586						
587						
588						
589						
590	_____	A71	0.7	42	4	20
591						
592						
593						
594						
595	A72	_____	0.6	42	3	18

TABLE V

GEOCHEMICAL RESULTS FROM SOIL LINE B/

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1200					
1201					
1202					
1203					
1204					
1205	B1	0.4	10	3	13
1206					
1207					
1208					
1209					
1210	B2	0.5	10	1	22
1211					
1212					
1213					
1214					
1215	B3	0.3	10	1	17
1216					
1217					
1218					
1219					
1220	B4	0.3	10	1	13
1221					
1222					
1223					
1224					
1225	B5	0.2	10	1	10
1226					
1227					
1228					
1229					
1230	B6	0.3	5	1	17
1231					
1232					
1233					
1234					
1235	B7	0.3	5	1	10
1236					
1237					
1238					
1239					
1240	B8	0.6	5	1	3
1241					
1242					
1243					

TABLE V (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE B1

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1244					
1245	B9	0.3	5	1	13
1246					
1247					
1248					
1249					
1250	B10	0.2	10	3	7
1251					
1252					
1253					
1254					
1255	B11	0.4	10	2	17
1256					
1257					
1258					
1259					
1260	B12	0.6	5	3	24
1261					
1262					
1263					
1264					
1265	B13	0.3	10	1	7
1266					
1267					
1268					
1269					
1270	B14	0.3	5	9	10
1271					
1272					
1273					
1274					
1275	B15	0.3	5	2	7
1276					
1277					
1278					
1279					
1280	B16	0.3	5	1	10
1281					
1282					
1283					
1284					
1285	B17	0.3	5	3	7
1286					
1287					
1288					

TABLE V (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE B1

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1289					
1290	B18	0.3	5	1	7
1291					
1292					
1293					
1294					
1295	B19	0.3	5	1	10
1296					
1297					
1298					
1299					
1300	B20	0.4	5	3	10
1301					
1302					
1303					
1304					
1305	B21	0.4	5	4	13
1306					
1307					
1308					
1309					
1310	B22	0.3	5	1	13
1311					
1312					
1313					
1314					
1315	B23	0.2	14	1	10
1316					
1317					
1318					
1319					
1320	B24	0.3	5	1	13
1321					
1322					
1323					
1324					
1325	B25	0.3	5	1	13
1326					
1327					
1328					
1329					
1330	B26	0.3	5	2	13
1331					
1332					
1333					

TABLE V (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE B1

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1334						
1335	B27		0.2	5	1	7
1336						
1337						
1338						
1339						
1340		B28	0.4	5	1	17
1341						
1342						
1343						
1344						
1345	B29		no sample			
1346						
1347						
1348						
1349						
1350		B30	0.5	5	2	17
1351						
1352						
1353						
1354						
1355	B31		0.3	5	1	3
1356						
1357						
1358						
1359						
1360		B32	0.2	5	1	10
1361						
1362						
1363						
1364						
1365	B33		0.2	10	1	3
1366						
1367						
1368						
1369						
1370		B34	0.3	14	1	7
1371						
1372						
1373						
1374						
1375	B35		0.4	14	1	7
1376						
1377						

TABLE V (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE B1

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1378					
1379					
1380	B36	0.3	10	1	10
1381					
1382					
1383					
1384					
1385	B37	0.2	10	1	17
1386					
1387					
1388					
1389					
1390	B38	0.4	10	1	13
1391					
1392					
1393					
1394					
1395	B39	0.2	5	1	30
1396					
1397					
1398					
1399					
1400	B40	0.4	10	1	17

TABLE VI

GEOCHEMICAL RESULTS FROM SOIL LINE S1

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> ppm	<u>Au</u> ppb	<u>As</u> ppm	<u>Sb</u> ppm
1045						
1044						
1043						
1042						
1041	S9		0.2	5	3	13
1040						
1039						
1038						
1037						
1036		S8	0.5	5	3	20
1035						
1034						
1033						
1032						
1031	S7		0.4	10	2	20
1030						
1029						
1028						
1027						
1026		S6	0.4	10	3	27
1025						
1024						
1023						
1022						
1021	S5		1.0	10	6	23
1020						
1019						
1018						
1017						
1016		S4	0.8	10	3	27
1015						
1014						
1013						
1012						
1011	S3		1.0	10	6	13
1010						
1009						
1008						
1007						
1006		S2	0.4	5	7	10
1005						
1004						
1003						
1002						
1001	S1		0.7	5	5	17

TABLE VI (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE S1

<u>Soil Sample</u>	<u>Composite Sample</u>		<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1000						
1046						
1047						
1048						
1049						
1050		S10	0.2	10	2	13
1051						
1052						
1053						
1054						
1055	S11		0.4	10	3	17
1056						
1057						
1058						
1059						
1060		S12	0.4	10	1	10
1061						
1062						
1063						
1064						
1065	S13		0.6	10	1	17
1066						
1067						
1068						
1069						
1070		S14	1.0	10	1	7
1071						
1072						
1073						
1074						
1075	S15		0.6	10	5	18
1076						
1077						
1078						
1079						
1080		S16	1.2	10	1	13
1081						
1082						
1083						
1084						
1085	S17		0.8	10	2	10

TABLE VI (Cont'd)

GEOCHEMICAL RESULTS FROM SOIL LINE S1

<u>Soil Sample</u>	<u>Composite Sample</u>	<u>Ag</u> <u>ppm</u>	<u>Au</u> <u>ppb</u>	<u>As</u> <u>ppm</u>	<u>Sb</u> <u>ppm</u>
1086					
1087					
1088					
1089					
1090	S18	0.7	10	1	17
1091					
1092					
1093					
1094					
1095	S19	0.5	10	1	17
1096					
1097					
1098					
1099					
1100	S20	0.7	10	2	17
1101					
1102					
1103					
1104					
1105	S21	0.6	5	2	13
1106					
1107					
1108					
1109					
1110	S22	0.5	10	1	10
1111					
1112					
1113					
1114					
1115	S23	0.3	5	2	10

8. ROCK SAMPLING

Certain rock samples collected in the course of prospecting or geological examination were sampled and sent for assay.

Results of the analyses together with rock type and type of sample are listed in Table VII. No encouraging values were obtained.

Except for two samples taken in the approximate vicinity, the area thought likely to be the source of geochemical anomalies on soil line A2 and A3 was not sampled.

TABLE VII
ROCK SAMPLES

<u>SAMPLE NO.</u>	<u>TYPE OF SAMPLE</u>	<u>ROCK TYPE</u>	<u>GOLD, ppb</u>	<u>GOLD, oz/t</u>
QRL 02	Grab	Lithic tuff	14	
QRL 03	Grab	Lithic tuff	14	
QRL 08	Grab	Diorite		<0.005
QRL 09	Chip	Diorite		"
QRL 10	"	"		"
QRL 11	Chip	Diorite		<0.005
QRL 12	Chip	Diorite		"
QRL 13	"	"		"
QRL 14	"	"		"
QRL 15	"	"		"
QRL 16	Chip	Metasediment	14	
QRL 18	Grab	Lithic tuff	14	
QRL 19	Grab	Lithic tuff	14	
QRL 20	Grab	Lithic tuff		
QRL 21	Grab	Lithic tuff		
QRL 23	Grab	Lithic tuff altered	14	
QRL 24	Grab	Lithic tuff altered	10	
QRL 26	"	"	14	
RB 82 Q 004	Grab	Lithic tuff		<0.002
RJ 006 Q	Chip	Quartz vein		"
RJ 010 Q	Chip	Quartz vein		0.006
RJ 011 Q	Chip	Lithic tuff		<0.002
RJ 012 Q	"	"		"
RJ 013 Q	"	"		"
RJ 014 Q	"	"		"

9. PROSPECTING

Locations of the gold occurrences explored in 1914 and 1937 were not found although, contrary to initial expectations, most of the occurrences are now thought to lie to the south of Jim Kelly Creek in pre-Tertiary rocks.

A rusty zone on the south side of the cirque at the head waters of Jim Jelly Creek is thought likely to be the location of the Spokane and Vancouver showings. This requires prospecting and sampling.

10. CONCLUSIONS

1. The regional setting: a major, probably transcurrent fault that may have been active during volcanism, a volcanic-sedimentary basin, and ring-like fracture systems suggestive of a caldera, are favourable features.
2. The pyrite rich, altered tuffaceous rocks are a prospective host for gold.
3. This very preliminary geochemical work provides encouragement in the form of coincident anomalies for gold, silver, arsenic and antimony on two of the five lines sampled (A2 and A3).

11. RECOMMENDATIONS

1. That the ground topographically above the anomalies at the east ends of Lines A2 and A3 be explored by geochemical soil sampling on a close-spaced grid.
2. That efforts to locate the Spokane and Vancouver showings worked in 1914 be continued and that in particular the rusty zone in the cirque at the head waters of Jim Kelly Creek be explored by prospecting and sampling.

BIBLIOGRAPHY

B.C. Department of Mines Annual Reports
(and successor publications)

1914 pp K232-K233
1937 pp D21-D22
1966 p 174

Berman, R.G., and Armstrong, R.L., 1980
Geology of the Coquihalla Volcanics
Complex, southwestern British Columbia
Can. J. Earth Sci 17, pp 985-995

Cairnes, C.E., 1924
Coquihalla Area, British Columbia
G.S.C. Memoir 139

APPENDIX I

Laboratory Reports



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(34
 376)

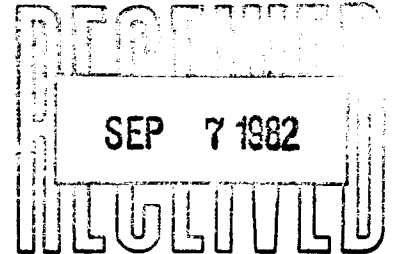
**ENVIRONMENTAL TESTING
 GEOCHEMISTRY
 ANALYTICAL CHEMISTRY
 ASSAYING**

Telex: 048-8393

September 2, 1982

GEOCHEMICAL ANALYSIS

CLIENT: Mine Quest Exploration Associates Ltd.
 311 Water Street
 VANCOUVER, B. C.
 V6B 1B6



ATTENTION: R. V. Longe

RE: "Project Account C00"

SAMPLE IDENTIFICATION: 377 soil samples received August 6, 1982

ASSAY CERTIFICATE NUMBER: ET139

<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
A1	0.7	26	3	17
A2	0.9	18	2	19
A3	0.8	9	4	17
A4	0.9	5	6	18
A5	0.9	9	6	17
A6	0.6	< 5	6	17
A7	0.6	18	6	16
A8	0.9	18	3	7
A9	4.4	26	5	16
A10	3.9	9	4	13
A11	1.6	18	2	10
A12	0.9	9	1	16
A13	1.4	9	6	24
A14	1.0	9	6	20
A15	0.6	5	4	8

.../2


<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
A16	0.6	9	3	6
A17	0.6	5	3	8
A18	1.2	5	4	10
A19	1.8	18	3	12
A20	1.4	26	4	16
A21	1.2	67	11	17
A22	1.3	26	18	17
A23	0.8	18	9	14
A24	1.0	18	10	13
A25	1.1	18	4	12
A26	0.7	9	5	12
A27	0.6	35	6	16
A28	0.6	18	5	17
A29	0.8	26	5	17
A30	1.0	26	3	13
A31	0.8	26	3	15
A32	0.6	26	2	14
A33	0.7	18	3	15
A34	0.7	26	4	18
A35	0.8	26	5	19
A36	0.8	18	9	20
A37	0.9	9	13	20
A38	1.0	44	13	15
A39	1.6	18	9	16
A40	1.6	18	14	21
A41	1.3	26	10	22
A42	1.2	26	2	16
A43	0.7	18	9	15
A44	1.0	26	2	14
A45	1.6	18	2	16

<u>Description</u>	<u>Ag (ppm)</u>	^{Au} <u>Ag (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
A46	1.5	18	7	15
A47	1.2	9	5	15
A48	1.0	9	7	27
A49	0.8	18	10	36
A50	0.8	35	7	23
A51	0.8	62	4	21
A52	0.7	9	4	18
A53	0.6	9	2	14
A54	0.7	18	4	20
A55	0.6	9	6	20
A56	0.6	9	4	17
A57	0.7	18	6	16
A58	0.6	18	6	14
A59	0.6	18	4	16
A60	0.8	18	3	18
A61	0.9	9	8	19
A62	1.0	18	11	19
A63	1.1	18	6	23
A64	1.2	5	10	22
A65	1.4	9	12	23
A66	1.3	5	12	21
A67	1.1	9	9	20
A68	0.9	50	12	19
A69	0.9	158	12	23
A70	0.7	42	5	20
A71	0.7	42	4	20
A72	0.6	42	3	18
A73	0.5	25	3	16
A74	0.5	34	4	17
A75	0.3	50	4	12

<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
A76	0.4	42	4	13
A77	0.5	42	3	14
A78	0.4	59	4	13
Comp. 135-139	1.1	50	3	15

NOTES: No samples received for the following numbers:
 5, 25, 26, 65-67, 92, 106-110, 150, 238, 330, 362, 365,
 370-373, 388, 396, 398, 443, 568, 584, 624

Insufficient sample for the following numbers:
 51(A-17), 92(A-8 & A-9)



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**ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING**

Telex: 048-8393

November 2, 1982

GEOCHEMICAL ANALYSES

CLIENT: MineQuest Exploration Associates Ltd.
311 Water Street
VANCOUVER, B. C.
V6B 1B8

ATTENTION: R. V. Longe

SAMPLE IDENTIFICIATION: 306 soil samples and 10 rock samples received October 19, 1982

CERTIFICATE OF ANALYSES NUMBER: ET155

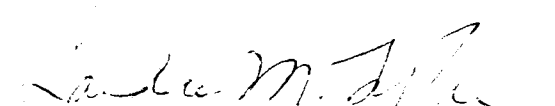
<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
Comp. S1	0.7	<u>/5.</u>	5.	17.
S2	0.4	<u>/5.</u>	7.	10.
S3	1.0	10.	6.	13.
S4	0.8	10.	3.	27.
S5	1.0	10.	6.	23.
S6	0.4	10.	3.	27.
S7	0.4	10.	2.	20.
S8	0.5	<u>/5.</u>	3.	20.
S9	0.2	<u>/5.</u>	3.	13.
S10	0.2	10.	2.	13.
S11	0.4	10.	3.	17.
S12	0.4	10.	1.	10.
S13	0.6	10.	<u>/1.</u>	17.
S14	1.0	10.	<u>/1.</u>	7.
S15	0.6	10.	5.	18.

.../2

<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
Comp. S16	1.2	10.	1.	13.
S17	0.8	10.	2.	10.
S18	0.7	10.	<u>1.</u>	17.
S19	0.5	10.	1.	17.
S20	0.7	10.	2.	17.
S21	0.6	<u>5.</u>	2.	13.
S22	0.5	10.	1.	10.
S23	0.3	<u>5.</u>	2.	10.
B1 ⁴	0.4	10.	3.	13.
B2	0.5	<u>10.</u>	<u>1.</u>	22.
B3	0.3	10.	<u>1.</u>	17.
B4	0.3	10.	<u>1.</u>	13.
B5	0.2	10.	1.	10.
B6	0.3	<u>5.</u>	<u>1.</u>	17.
B7	0.3	<u>5.</u>	1.	10.
B8	0.6	<u>5.</u>	<u>1.</u>	3.
B9	0.3	<u>5.</u>	<u>1.</u>	13.
B10	0.2	10.	3.	7.
B11	0.4	10.	2.	17.
B12	0.6	<u>5.</u>	3.	24.
B13	0.3	10.	<u>1.</u>	7.
B14	0.3	<u>5.</u>	9.	10.
B15	0.3	<u>5.</u>	2.	7.
B16	0.3	<u>5.</u>	<u>1.</u>	10.
B17	0.3	<u>5.</u>	3.	7.
B18	0.3	<u>5.</u>	1.	7.
B19	0.3	<u>5.</u>	1.	10.
B20	0.4	<u>5.</u>	3.	10.
B21	0.4	<u>5.</u>	4.	13.
B22	0.3	<u>5.</u>	<u>1.</u>	13.

<u>Description</u>	<u>Ag (ppm)</u>	<u>Au (ppb)</u>	<u>As (ppm)</u>	<u>Sb (ppm)</u>
Comp. B23	0.2	14.	<u>1.</u>	10.
B24	0.3	<u>5.</u>	1.	13.
B25	0.3	<u>5.</u>	1.	13.
B26	0.3	<u>5.</u>	2.	13.
B27	0.2	<u>5.</u>	1.	7.
B28	0.4	<u>5.</u>	1.	17.
B29 No Sample				
B30	0.5	<u>5.</u>	2.	17.
B31	0.3	<u>5.</u>	1.	3.
B32	0.2	<u>5.</u>	1.	10.
B33	0.2	10.	1.	3.
B34	0.3	14.	1.	7.
B35	0.4	14.	<u>1.</u>	7.
B36	0.3	10.	<u>1.</u>	10.
B37	0.2	10.	1.	17.
B38	0.4	10.	1.	13.
B39	0.2	<u>5.</u>	<u>1.</u>	30.
B40	0.4	10.	1.	17.
QRL 02	-	14.	-	-
03	-	14.	-	-
16	-	10.	-	-
18	-	14.	-	-
19	-	14.	-	-
20	-	10.	-	-
21	-	10.	-	-
23	-	14.	-	-
24	-	10.	-	-
26	-	14.	-	-

NOTE: = less than


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 Samples Arrived:
 Report Completed: August 5, 1982
 For Project:
 Analyst: Assayer: D.C.
 Invoice# 6862 Job# 82 - 121

FIRE ASSAY

Sample Marking	Au oz/st					
820718 RL 08	< .005					
09	< .005					
10	< .005					
11	< .005					
12	< .005					
13	< .005					
14	< .005					
820718 RL 15	< .005					

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 nd = none detected ppm = parts per million

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001%

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



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Sample Marking	Au oz /st					
820718 RL 08	< .005					
09	< .005					
10	< .005					
11	< .005					
12	< .005					
13	< .005					
14	< .005					
820718 RL 15	< .005					

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Signed:

Registered Provincial Assayer

% Mo x 1.6683 = % MoS₂ 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001%

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.



VANGEOCHEM LAB LTD.
 1521 PEMBERTON AVE.,
 NORTH VANCOUVER, B.C.,
 CANADA V7P 2S3

TELEPHONE: 988-2172
 AREA CODE: 604

Certificate of Analyses

• Specialising in Trace Elements Analyses •

-IN ACCOUNT WITH-

Minequest Exploration Assoc. Ltd.
 311 Water St.
 Vancouver, B.C. V6B 1E8
 Attention:

Report No: 82 - 53 - 001 Page 1 of 1
 Samples Arrived:
 Report Completed: August 5, 1982
 For Project:
 Analyst: Assayer: D.C.
 Invoice# 6362 Job# 82 - 121

FIDE ASSAY

Sample Marking	Au OZ./T				
820713 RL 03	< .005				
09	< .005				
10	< .005				
11	< .005				
12	< .005				
13	< .005				
14	< .005				
820713 RL 15	< .005				

RECEIVED
 AUG 6 1982

MASTER PRINTING LTD

REMARKS:

Signed:

% Mo x 1.6683 = % MoS₂

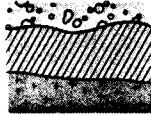
1 Troy oz./ton = 34.28 ppm

1 ppm = 0.0001%

Registered Provincial Assayer

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



BONDAR-CLEGG

604
A-6

**Certificate
of Analysis**

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20

WORKORDER: 422-1991 CLIENT: MINE QUEST

MAIL COPIES TO:

MINE QUEST EXPLORATION ASSOCIATES LTD.
c/o R V LONGE
311, WATER STREET
VANCOUVER B.C.
V6S 1B6

FILE COPY

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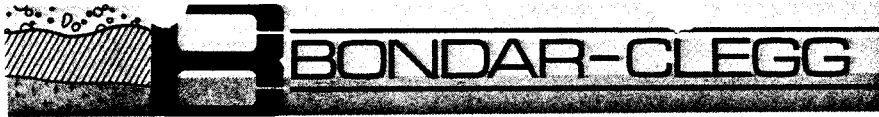
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Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



Certificate
of Analysis

REPORT: 422-1991

FROM: MINE QUEST EXPLORATION ASSOCIATES LTD.
DATE: 27-JUL-82 PROJECT: C00

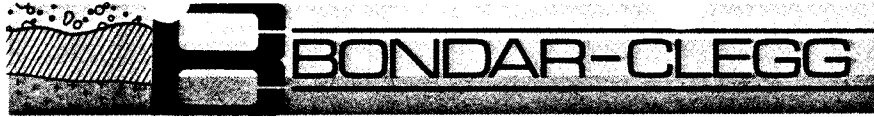
SUBMITTED BY: R V LONGE

ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Au	.002 OPT			-100	ROCKS	CRUSH, PULVERIZE -100

REPORT COPIES TO: R V LONGE

INVOICE TO: R V LONGE

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
Canada V7P 2R5
Phone: (604) 985-0681
Telex: 04-352667



Certificate
of Analysis

REPORT: 422-1991 PROJECT: COQ

PAGE 1

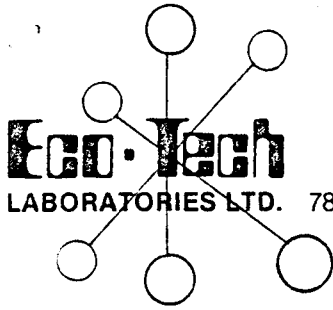
SAMPLE NUMBER	ELEMENT UNITS	Au OPT	NOTES
---------------	---------------	--------	-------

R B820004		<0.002	
R R.J006Q		<0.002	
R R.J010Q		0.006	
R R.J011Q		<0.002	
R R.J012Q		<0.002	

R R.J013Q		<0.002	
R R.J014Q		<0.002	

APPENDIX II

Laboratory Methods



LABORATORIES LTD. 783 Notre Dame Drive, Kamloops, B.C. V2C 5N8 - Telephone (604) 372-9700

ENVIRONMENTAL TESTING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ASSAYING

Telex: 048-8393

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION

1. Soil or sediment samples are dried at 60°C*, the lumps of soil are broken up on a bucking board and the entire sample is sieved through an 80 mesh screen.
2. Rock samples are crushed and pulverized to -100 mesh.

GEOCHEMICAL ANALYSIS FOR Cu, Pb, Zn, Ag, Sb, Ni, Co, Cd

1.0 gram of sample is leached in 3 ml HNO₃ overnight at room temperature. The sample is brought up to 90°C in a water bath, 1.5 ml HCl is added, and the leaching is continued for a further 90 minutes. The sample is then cooled, diluted to 20 ml with distilled water and the above elements are determined on a Perkin-Elmer Model 303 Atomic Absorption Spectrophotometer.

Minimum Reportable Concentrations

<u>Element</u>	<u>ppm</u>
Cu	1.
Pb	2.
Zn	1.
Ag	0.2
Sb	1.
Ni	2.
Co	2.
Cd	0.02

* Samples to be analyzed for mercury are air dried to prevent losses.

.../2

GEOCHEMICAL ANALYSIS FOR Au

The gold is collected in a silver bead through inquartation and conventional fire assaying of 10 grams of material. The bead is digested in aqua regia in a water bath at 90°C, the gold is then extracted into MIBK and determined by atomic absorption.

Minimum Reportable Concentration

5 ppb

GEOCHEMICAL ANALYSIS FOR As

.25 gram of sample are taken to dryness in a mixture of HNO₃ and HClO₄. Excess HNO₃ is expelled with HCl and the arsenic is scrubbed into a solution of pyridine and SDDC to be determined colorimetrically on a spectrophotometer.

Minimum Reportable Concentration

1 ppm

APPENDIX III

Statement of Qualifications

Statement of Qualifications

I, R.V. Longe, hereby certify that:

1. I am a consulting geologist with a business office at 311 Water Street, Vancouver, B.C. V6B 1B8.
2. I am President of MineQuest Exploration Associates Ltd., a company performing geological consulting and contract exploration services for the mineral exploration industry.
3. I am a graduate of Cambridge University, (B.A. Hons., 1961 Natural Sciences Tripos, Parts 1 & 2, Geology) and of McGill University (M.Sc. 1965).
4. I am a Fellow of the Geological Association of Canada, and a member on the Canadian Institute of Mining and Metallurgy.
5. I have practiced my profession as geologist for 16 years.
6. The information, opinions and recommendations in this report are based on personal familiarity with the property and direction of the programme described.

Signed _____

(R.V. Longe)

dated at Vancouver, B.C. this
20th Day of December 1982

APPENDIX IV

Cost Statement

Cost Statement

COQUIHALLA - 1982

FEES, SALARIES, WAGES (See Schedule I)

MQ Personnel	9,651.00	
Temporary Staff	<u>3,967.00</u>	13,618.00

TRAVEL, TRANSPORT

Rent. Veh. Cas.	338.00	
Rent. Veh. MQ	445.00	
Cas. Chart. Air. Helicopter	1,877.00	
Taxis	23.00	
Meals, Accom., Exp. Acct.	266.00	
Other	<u>27.00</u>	2,976.00

RENTALS

Radio	178.00	
MQ Field Chrgs.	189.00	
MQ Camp Equip. Chrgs.	462.00	
Other Equipment	<u>325.00</u>	1,154.00

MATERIAL AND SUPPLIES

Fuels, Lubri., Camp	89.00	
Fuels, Lubri., Veh.	30.00	
Groc., Kit. Sup., Camp	995.00	
Food, Accom., Field	310.00	
General Supplies	1,015.00	
Other	<u>73.00</u>	2,512.00

ANALYSES

Geochemical	<u>2,235.00</u>	2,235.00
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DEPOSITS, OPTION, FIN

Claims, Record & Renewal Fees	880.00	
Licence Fees	<u>26.00</u>	906.00

COMMUNICATIONS

Tel./Telex/Telegr.	88.00	
Courier/Postage	27.00	
Data/Map/Samp. Storage	<u>15.00</u>	130.00

c/fwd.		23,531.00
--------	--	-----------

Balance Forward 23,531.00

DRAFTING, REPROGRAPHICS, REPORTING

Drafting	500.00	
Reprographics	133.00	
Xerox - in house	19.00	
Maps/Reports/Publications Purchased	25.00	
Report Prep., MQ Staff/Sup.	<u>20.00</u>	697.00

MISCELLANEOUS

Stationery - Field	50.00	
Casual Staff	<u>25.00</u>	<u>75.00</u>
		<u>24,303.00</u>

SCHEDULE I TO COST STATEMENT

COQUIHALLA 1982

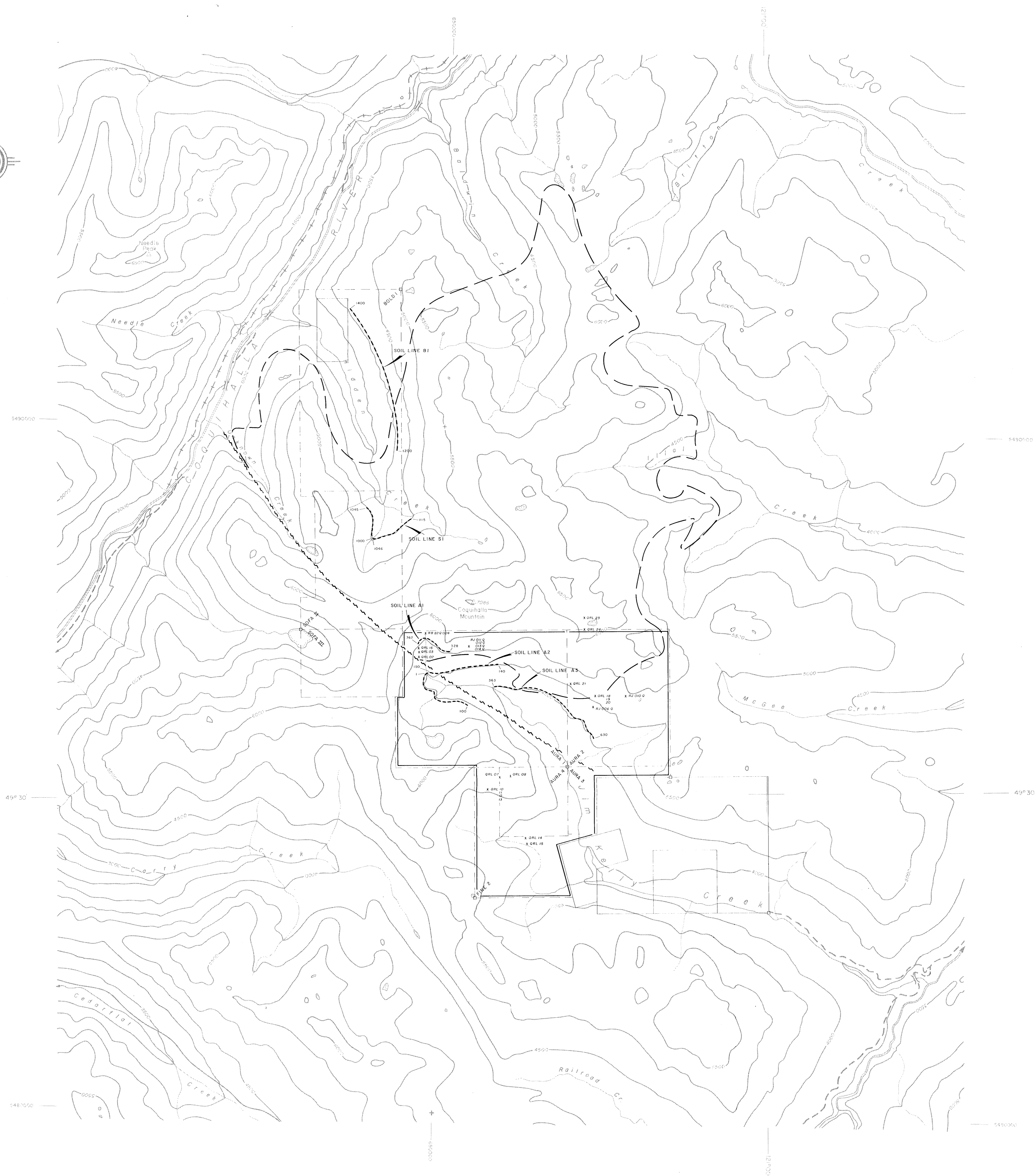
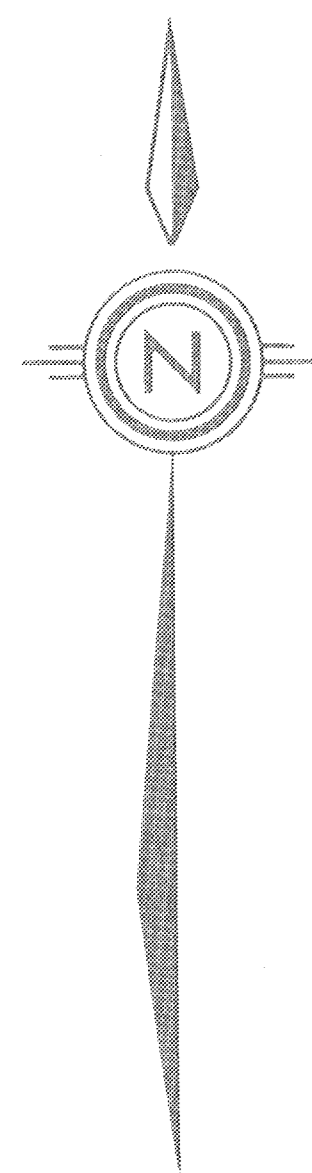
MQ Personnel

R.V. Longe - May 1982	- .08 days		
June 1982	- .96 days		
July 1982	- 8.04 days		
August 1982	- .04 days		
September 1982	- 1.29 days		
October 1982	- .79 days		
November 1982	- .41 days		
December 1982	- 4.21 days		
	<u>15.82 days @ \$425.00</u>	6723.50	
P.D. McCarthy May 1982	- 2.63 days		
June 1982	- .70 days		
July 1982	- 7.63 days		
November 1982	- .75 days		
	<u>11.71 days @ \$250.00</u>	<u>2927.50</u>	<u>9,651.00</u>

Temporary Staff

R. Needham	- July 6.0 days at \$62.50	375.00	
S. Siemens	- July 7.0 days at \$63.75	446.25	
	Sept. 3.5 days at \$63.75	223.14	
R. Bilquist	- July 7.0 days @ \$110.57	774.00	
P. Philion	- July 7.0 days at \$62.50	437.50	
B. Sinclair	- July 6.0 days at \$87.50	525.00	
D. Turner	- July 9.0 days at \$62.50	562.50	
J. Walsh	- Sept. 2.5 days at \$62.50	156.25	
E. Alionis	- Sept. 2.5 days at \$62.50	156.25	
M. Hislop	- Sept. 2.5 days at \$62.50	156.25	
M. Hislop	- Sept. .25 Hrs. at \$ 8.92	2.23	
R. Siemens	- Sept. 16.75 Hrs. at \$ 9.11	<u>152.63</u>	<u>3,967.00</u>

13,618.00

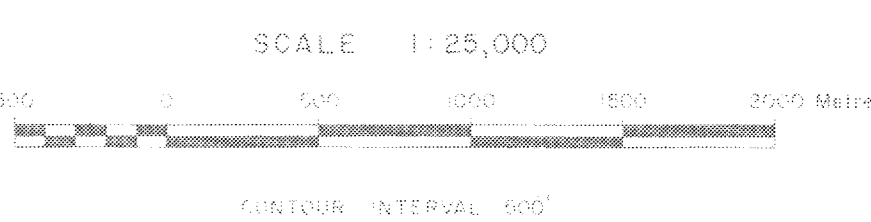


LEGEND

- Outline of Tertiary volcanic complex
- Fault
- Geochemical soil line and numbers of terminal samples
- x 201.20 Rock Sample Location
- Outline of claims to which work was applied
- Claims on which work was done
- Boundary of Other Claim (Location Approximate)
- Legal Corner Post

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,868



CLIFTON RESOURCES LTD.			
COQUIHALLA PROJECT			
CLAIMS, SOIL LINES, ROCK SAMPLE LOCATIONS AND GEOLOGICAL BOUNDARIES			
PLAN No 452	DRAWN	DATE DEC 82	FIGURE 7
REVISED		N T S 92H/7	
MINEQUEST EXPLORATION ASSOCIATES LTD.			