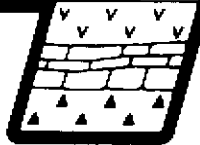


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B. E. Spencer Engineering Ltd.



CONSULTING GEOLOGICAL ENGINEER

REPORT
 ON
 A GEOCHEMICAL AND GEOLOGICAL SURVEY
 OF THE
 DEVILS CANYON CLAIM GROUP
 (HAPPY AND LYNN B. MINERAL CLAIMS
 AND ELDORADO, RAW GOLD, JUMBO, JUPITER,
 BONANZA, GOLD RUN, MIDAS AND GOLDEN TOUCH
 REVERTED CROWN GRANTS)
 CARIBOO MINING DIVISION, N.T.S. 93 H/4
 LATITUDE: 53°04'N, LONGITUDE: 121°40'W

FOR
GEOLOGICAL BRANCH
 CLIFTON RESOURCES LTD. **ASSESSMENT REPORT**

BY
 E. G. OLFERT, P. GEOL.
 B. E. SPENCER ENGINEERING LTD.

13,252

DECEMBER 6, 1984

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INTRODUCTION

Clifton Resources Ltd. has taken up an option agreement with Mr. R. Davie and Mr. L. Beard whereby Clifton may earn a 50% interest in the Devils Canyon Group consisting of two mineral claims and ten reverted Crown grants. Under the terms of the agreement, Clifton must spend a total of \$250,000 in exploring the property. An initial geochemical and geological survey was undertaken on the property in June, 1984 as partial fulfilment of this expenditure.

PROPERTY

The mineral claims subject to the option agreement are tabulated as follows:

<u>Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Lot No.</u>
Happy (LOC)	3485	20	-
Lynn B. (LOC)	3486	15	-
Eldorado (RCG)	3059	1	11350
Raw Gold (RCG)	3060	1	11353
Jumbo (RCG)	3061	1	9444
Jupiter (RCG)	3062	1	9443
Bonanza (RCG)	3063	1	11355
Gold Run (RCG)	1372	1	11354
Midas (RCG)	1373	1	11351



<u>Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Lot No.</u>
Golden Touch (RCG)	4213	1	11352
Kitch #5 (RCG)	1778	1	10545
Kitch #7 (RCG)	1778A	1	10547

This report covers the Happy and Lynn B. claims and eight reverted Crown grants. It does not cover the Kitch #5 and Kitch #7 reverted Crown grants as a report on these two claims has been filed previously this year.

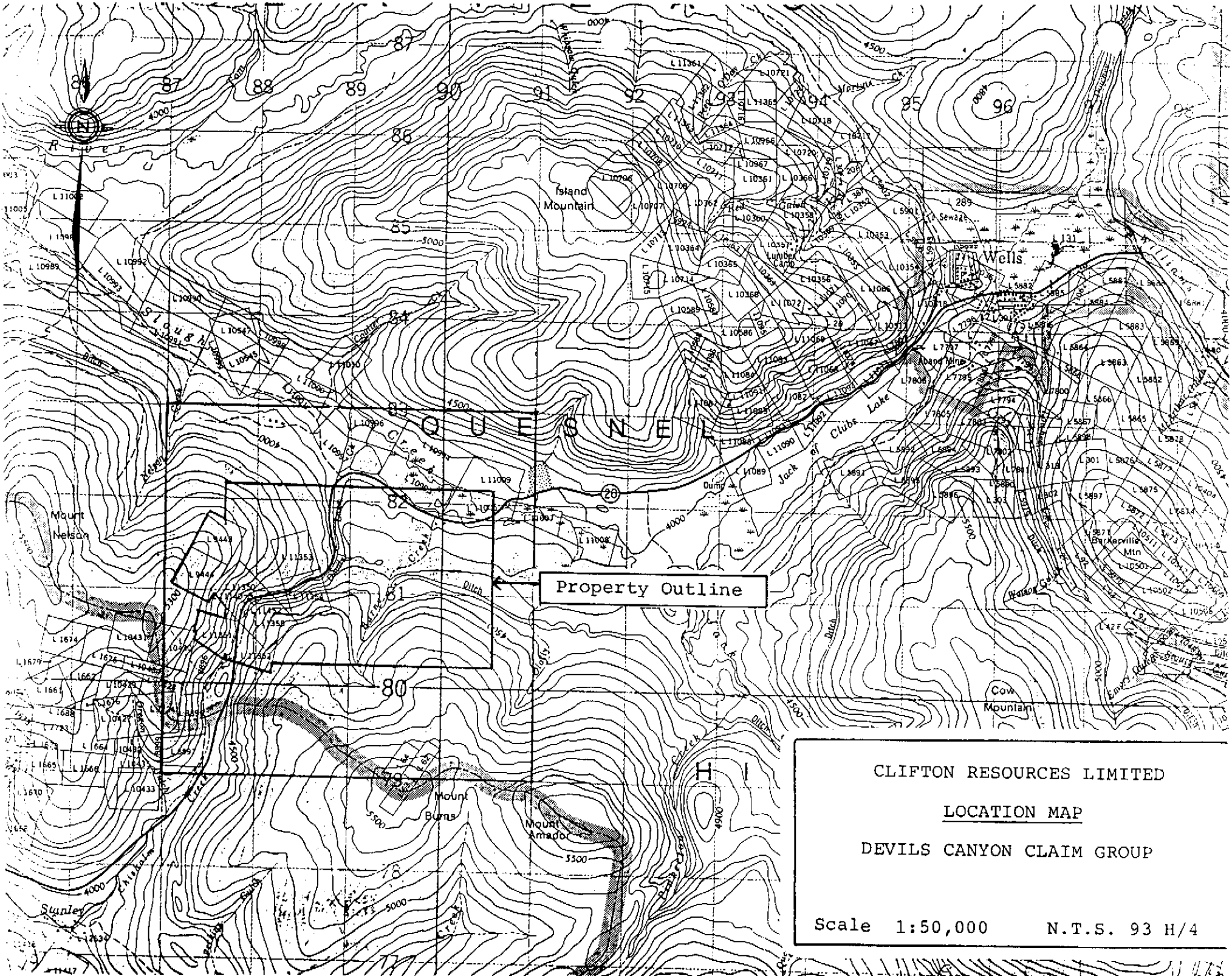
LOCATION AND ACCESS

The property is located in the Barkerville Gold Belt in the Cariboo Mining Division of British Columbia. The claims are situated in the general Devils Canyon area, approximately seven kilometres southwest of Wells, British Columbia. More precisely, the claims are located on N.T.S. Map No. 93 H/4E with co-ordinates of 121°40'W longitude and 53°04'N latitude.

The claims are accessible by paved Provincial Highway No. 26 from Quesnel to Wells, British Columbia. The highway passes through the western portion of the property.

The terrain is generally moderate with fairly steep cliff forming canyon walls along Devils Creek where most of the bedrock exposures are located. Most of the area is covered by





Property Outline

CLIFTON RESOURCES LIMITED
LOCATION MAP
DEVILS CANYON CLAIM GROUP
Scale 1:50,000 N.T.S. 93 H/4

a mantle of glacial drift supporting moderate to heavy bush cover. Elevations range from 4,000 to 5,000 feet.

HISTORY

The Wells-Barkerville area has produced millions of dollars in gold from both placer and lode deposits since the original gold rush in 1861. Lode gold was produced from the Cariboo Gold Quartz Mine and the Island Mountain Mine at Wells. Gold is now being produced from the Mosquito Creek Mine immediately northwest of the previous lode mines.

In the more immediate area, extensive placer gold mining has taken place along Lightning Creek and its tributaries several kilometres to the south of this property, and along Slough Creek and its southern tributaries to the north of the property. A number of old workings are located on the property, some of which are still being worked by private operators today. During the time of the gold rush, extensive prospecting was done along the tops of ridges and the heads of tributaries, where bedrock exposures are more frequent. Adits, shafts and pits were dug down exploring gold-bearing quartz veins. In the immediate area, some very minor production occurred from quartz veins on Burns Mountain, just south of the claim group. See B.C. D.M. Bulletin No. 26 by Stuart S. Holland, 1948.



GENERAL GEOLOGY

The Wells-Barkerville area is underlain by a folded northwest/southeast trending belt of quartzites, grits, argillites, limestone and sericite schist, and has previously been mapped as the Cariboo series of Pre-Cambrian age, because of its similarity in lithology and metamorphism to other Pre-Cambrian series. See Survey of Canada Bulletin No. 181, 1935. More recently, the area has been re-mapped as equivalents of the Devonian/Mississippian Black Stuart Group and overlying successions. This is partly substantiated by facies correlation and conodont dating. See O.F. 858, G.S.C. (L.C. Struik).

Lode gold mineralization in this area of the Cariboo is in gold-bearing quartz veins and gold bearing pyritic replacements in limestone associated with northerly trending faults. Most of the production veins occur as transverse or diagonal veins containing pyrite, arsenopyrite, with smaller amounts of gold in a gangue of quartz with some ankerite and sericite. The pyritic replacement ore consists typically of massive fine grained pyrite to silicified limestone with pyrite streaks, and commonly contains 2 oz. Au per ton. The presently producing Mosquito Creek Mine contains mostly replacement type pyrite-gold ore.

PROPERTY GEOLOGY

The claims are mostly underlain by a succession of



grey micaceous to gritty quartzites, black argillites and minor chloritic schist and grey limestone (DM₅). This unit is overlain along the southern edge of the property by predominantly grey to olive/brown gritty quartzites, minor conglomerates and grey phyllite (MP_{DM}). There is no distinct contact between the two successions.

The major structure on the property is a broad anticlinorium trending diagonally across the property at N 75° W. Exposures, where this structure crosses Devils Canyon, contain M-fold textures with plunges averaging 10° to the southwest. The south limb of this structure is steep south dipping to slightly overturned to the north. Three parallel northerly trending fault structures cross the strike of the rock units: 1. Coulter Creek fault N 28° E; 2. Burns Creek fault N 25° E; 3. Nelson Creek fault. This latter fault lies just to the west of the property.

DISCUSSION OF RESULTS

Prospecting and Rock Geochemistry

Extensive prospecting was done along the projections of the Coulter Creek and Burns Creek faults. Although a large part of the projected zones are glacial covered, numerous samples were taken where exposure permitted or quartz vein float was found. Very minor sulphides were found associated with the quartz veining and as the rock geochem results indicate (with



few exceptions) only background values of Au and Ag were attained. A total of 53 rock samples were taken and analyzed for Au, Ag; the results of which are plotted on the accompanying geochemical map. The following samples are anomalous:

1. GR 12 - 0.8 ppm Ag, 185 ppb Au: 5 in. quartz vein with disseminated pyrite and siderite
2. GR 17 - 0.4 ppm Ag, 315 ppb Au: 2.5 feet quartz vein with disseminated pyrite in an old shaft at the south end of the property (Coulter Creek fault)
3. ER33 - 11.2 ppm Ag, 5 ppb Au: quartz vein float with disseminated pyrite and galena (Devils Canyon soil line, Coulter fault)
4. ER31 - 74 ppm Ag, 160 ppb Au: 10 cm. quartz vein with terminated quartz crystals and trace galena (parallel to Coulter Creek fault)

The above samples do not qualify as specific targets for further exploration.

Soil and Silt Geochemistry

A total of 87 soils and 5 silts were taken in two areas: at the headwaters of Burns Creek to test the projected Burns Creek fault, and above the canyon of Devils Creek to test the projected Coulter Creek fault. Samples were taken along contour lines at spacings of 15 and 25 metres using altimeter and topofil for control. Samples were taken at an average depth



of 1 foot using a maddock. All samples were analyzed for Au and Ag, the results of which are plotted on the accompanying geochemical map.

Results from soil lines B and C covering the projected Burns Creek fault are dubious because of a thick accumulation of glacial drift on a very gentle sloping terrain. Some old placer workings occur 300 to 400 metres down slope. Results from soil line F, D and H, taken over the projected Coulter Creek fault in Devils Canyon are more reliable because of less glacial drift. Seven soils are anomalous in Ag (2 ppm or greater) and one soil is anomalous in Au (110 ppb). A rock sample of quartz float with pyrite and galena, found along soil line F, contained 11.2 ppm Ag, 5 ppb Au. Although the above anomalous values are interesting, they are not considered to be attractive enough for further follow-up work at this time.



EGO:lm

E. G. Olfert, P. Geol.

December 6, 1984



COST STATEMENT
GEOLOGICAL AND GEOCHEMICAL SURVEY

Wages

B.E. Spencer - 4 days @ \$400./day	\$ 1,600.00
- June 27-29, July 16, 1984	
E.G. Olfert - 15 days @ \$200./day	3,000.00
- June 12-29, 1984	
G. King - 15 days @ \$140./day	2,100.00
- June 12-29, 1984	

Transportation

4 x 4 Truck	1,703.56
-------------	----------

Assays

Min En Laboratories Ltd.	1,319.25
- 87 soil samples, 5 silts, 53 rocks	

Room and Board

33 man days @ \$32.34/man day	1,067.18
-------------------------------	----------

Maps/Drafting

	98.34
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Report Preparation

E.G. Olfert - 5 days @ \$200./day	1,000.00
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TOTAL	\$ 11,888.03
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Withdrawal from P.A.C.	3,566.41
- 30% of \$11,888.03	

	15,454.44
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Cash in Lieu of Work	1,745.56
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TOTAL	\$ 17,200.00
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STATEMENT OF QUALIFICATIONS

I, Ernest George Olfert, of the City of Vancouver in the Province of British Columbia, hereby certify as follows:

1. I am a geologist residing at 3020 Fraser Street, Vancouver, B.C. and am presently employed by B.E. Spencer Engineering Ltd., whose office is located at 960-625 Howe Street, Vancouver, B.C. V6C 2T6.
2. I am a graduate of the University of Calgary with a degree of B.Sc. Hon. Geology (1970).
3. I am a registered Professional Geologist of the Province of Alberta.
4. I have practised my profession as Geologist continuously since graduation.
5. The survey was conducted by myself and George King under the supervision of B. E. Spencer.

Dec. 10th/1984

Date



Ernest George Olfert, P. Geol.



APPENDIX I

GEOCHEMICAL ANALYSIS CERTIFICATES



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

TELEFAX: 04-352829

ROCKS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B. E. SPENCER
PROJECT: DEVILS CANYON
ATTENTION: B. E. SPENCER

FILE: 4-438/P1
DATE: JUNE 29/84
TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB	width	Description
17451-GR1	0.3	5	4 1/2 in.	Quartz vein
52-GR2	0.3	5	1.5 ft.	" "
53-GR3	0.2	10	4 in.	" "
54-GR4	0.3	5	6 in.	Quartz vein with pyrite, cpy ± IPD
55-GR5	0.3	5	4 ft.	" "
56-GR6	0.2	10	45 cm.	" " with Tr. (Avs. py)?
57-GR7	0.4	5	grab	" " with pyrite
58-GR8	0.4	5	1 ft	" " " "
59-GR9	0.5	5	4 in	black Argillite with pyrite
17460-GR10	0.2	5	grab	pyrite in Quartzite.
61-GR11	1.4	10	grab	quartz gouge in fault zone
62-GR12	0.8	185	5 in.	Quartz vein with pyrite + Siderite
63-GR13	0.3	5	1.5 in	Quartz vein along Joint (pycubes)
64-GR14	0.8	70	6 in	Quartz vein along Joint (py)
65-GR15	0.2	10	12 cm	Quartz vein abundant py.
66-GR16	0.4	5	grab	pyrite in Quartz vein
67-GR17	0.4	315	2.5 ft	Quartz vein, pyritic streaks 55°/dip 45°NW
68-GR18	0.2	10	1 ft	" " , minor hematite 21°/66°NW
69-GR19	0.2	5	30 cm	" " , 40°/70°NW.
17470-GR20	0.2	5	2.5 ft	" " boulder.
71-GR21	0.2	5	1.5 m.	} thick Quartz vein (33m) in micaceous Qtzite.
72-GR22	0.4	10	1.8 m.	
73-ER9	0.2	5	6 in.	Quartz vein
74-ER13	1.6	<5	grab	pyritic black argillite
75-ER16	0.6	5	3 in.	Quartz Sweets in phyllite - Tr. Avs. py.
76-ER17	0.6	<5	6 in.	rusty contact zone of Quartz vein.
77-ER18	0.3	5	2.5 ft.	Quartz vein, rusty contacts.
78-ER19	0.8	5	1.1 m.	chlorite phyllite with Quartz stringers
79-ER21	0.4	10	4 in.	Quartz vein, weathered contacts, Tr. Pb.
17480-ER25	0.4	5	20 cm.	" " rusty ankite (Siderite) on contacts

Certified by



MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 151A STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 990-5814 OR (604) 998-4524

TELEX: 04-352229

GEOCHEMICAL ANALYSIS CERTIFICATE

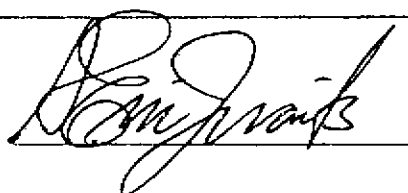
COMPANY: B. E. SPENCER
PROJECT: DEVILS CANYON
ATTENTION: B. E. SPENCER

FILE: 4-438/P2
DATE: JUNE 29/84
TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 13 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB	Width	Description
17481-ER26	1.0	5	0.5 m.	grey weathered phyllite, rusty vugs.
82-ER27	0.4	5	9 cm.	Quartz vein, pyritic tr. cpy + Pb 330/28 NE.
83-ER28	0.3	10	0.5 cm	thin Quartz stringers along joints 15% SW.
84-ER29	0.4	5	1 m.	black argillite, dis. py. cubes.
85-ER31	74.0	160	10 cm	Quartz veins along joint, terminated xtal. Qtz, tr. Pb
86-ER32	11.2	5	grab	Quartz vein float dis py. + Galena
87-ER34	0.6	5	grab	Contact host rock on Quartz vein.
88-ER35	0.9	5	grab	pyrit + siderite in g4/green phyllite
89-ER36	0.6	5	grab	sideritic grey schist.
17490-ER37	0.2	5	grab	Quartz vein float, pyrite
91-ER38	0.2	10	30 cm	" " , tr. pyrit, strike 25°
92-ER39	1.0	5	1.5 m	} wide shattered Quartz vein (2.9m), strike 110°
17493-ER40	0.2	5	1.4 m	

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: 04-352828

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
 PROJECT: DEVILS CANYON
 ATTENTION: B.E. SPENCER

FILE: 4-491
 DATE: JULY 9/84
 TYPE: ROCK GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 15 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB	PB PPM	ZN PPM	width	Description
ER42-17494	0.4	60			grab	blue Quartz vein float (Ketchikan)
ER43-17495	0.2	5			1.18 m	Quartz vein 96°/70°N
ER44-17496	0.2	10			0.3 m	" " 55°/vert.
ER45-17497	0.1	5			50 cm.	" "
ER46-17498	0.1	5			1.3 m	" " } 88°/50°N
ER47-17499	0.1	10			1.3 m	" "
ER48-17500	0.2	5			25 cm	" " ; dis. pyrite 72°/58°
ER49-17501	0.1	5			45 cm.	" " ; 60°/54°N
ER50-17502	0.1	5			15 cm	" " ; 20°/80°E
ER53-17503	0.1	15			20 cm	" " ; parallel to bedding
ER54-17504	16.8	40	2850	5160	grab, float	Quartz vein with pyrite, Pb, Zn
ER55-17505	46.0	21000	1940	50	25 cm	" " with pyrite + galena
ER56-17506	0.8	250	} Perkins vein		grab	" " float
ER23-17507	0.6	550			0.5 m	pyritic block argillite
ER57-17508	0.6	5100			grab	tailings Carbonate Qtz mine.

Certified by

[Signature]

SOILS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
 PROJECT: DEVILS CANYON
 ATTENTION: B.E. SPENCER

FILE 4-462/P1
 DATE: JULY 5/84
 TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 30 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
C-1	1.0	5
C-2	0.9	10
C-3	0.7	5
C-4	0.5	5
C-5	0.8	120 ✓
C-6	0.7	10 ✓
C-7	0.9	5 ✓
C-8	0.5	50 ✓
C-9	0.9	5 ✓
C-10	0.7	5 ✓
C-11	0.9	5
C-12	0.7	30 ✓
C-13	0.6	10
C-14	0.6	5
C-15	0.5	5
C-16	0.6	5 ✓
C-17	0.5	5
C-18	0.5	5
C-19	0.5	5
C-20	0.8	5 ✓
A-1	0.7	5
A-2	0.6	10
A-3	0.5	5
A-4	0.6	5
A-5	0.8	15
A-6	0.7	5
A-7	0.6	5
A-8	0.6	5
A-9	0.7	5
A-10	0.5	5

KITCH CL

Certified by 

SOILS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
PROJECT: DEVILS CANYON
ATTENTION: B.E. SPENCER

FILE 4-462/P3
DATE: JULY 5/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 20 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
A-41	0.8	10
B-1	0.9	5
B-2	0.9	5
B-3	0.7	10
B-4	1.1	5
B-5	0.9	15
B-6	0.6	5
B-7	0.7	10
B-8	0.8	5
B-9	0.8	5
B-10	0.7	<5
B-11	1.1	5
B-12	0.8	10
B-13	0.8	5
B-14	1.0	5
B-15	0.9	10
B-16	0.6	5
B-17	0.7	10
B-18	1.0	5
B-19	0.8	15

Certified by



SOILS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
PROJECT: DEVILS CANYON
ATTENTION: B.E. SPENCER

FILE 4-492/P1
DATE: JULY 9/84
TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 29 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
F1	1.1	5
F2	3.6	10
F3	2.9	10
F4	1.1	5
F5	1.1	5
F6	1.4	5
F7	0.6	10
F8	1.4	5
F9	0.8	5
F10	0.4	5
F11	0.7	<5
F12	1.4	5
F13	1.4	5
F14	0.8	10
F15	0.4	5
D1	3.4	10
D2	1.0	5
D3	1.9	5
D4	1.0	5
D5	1.2	5
D6	1.4	5
D7	1.1	<5
D8	1.3	<5
D9	1.5	5
D10	1.6	5
D11	1.6	10
D12	7.5	10
D13	2.0	5
D14	0.3	5

Certified by Ray Conroy

SOILS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
 PROJECT: DEVILS CANYON
 ATTENTION: B.E. SPENCER

FILE: 4-492/P2
 DATE: JULY 9/84
 TYPE: SOIL GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 23 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPM	
H1	1.5	5	
H2	0.9	5	
H3	1.8	5	
H4	0.4	5	
H5	0.5	<5	
H6	0.4	5	
H7	0.5	5	
H8	0.4	10	
H9	0.3	5	
H10	0.4	5	
H11	0.7	5	
H12	1.5	5	
H13	1.4	5	
H14	1.1	10	
H15	2.8	10	
H16	0.6	5	
H17	0.7	5	
H18	0.2	5	
H19	1.0	5	
H20	0.8	5	
H21	1.0	10	
H22	0.8	10	
H23	1.2	5	40MESH

Certified by

[Signature]

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET MOUTH VANCOUVER, B.C. CANADA V6M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

SILTS

GEOCHEMICAL ANALYSIS CERTIFICATE

COMPANY: B.E. SPENCER
PROJECT: DEVILS CANYON
ATTENTION: B.E. SPENCER

FILE 4-462/P#
DATE: JULY 4/84
TYPE: SILT GEOCHEM

We hereby certify that the following are the results of the geochemical analysis made on 6 samples submitted.

SAMPLE NUMBER	AG PPM	AU PPB
A42T	0.9	10
B20T	1.4	5
B21T	0.9	5
CT21	0.7	5
CT22	0.8	10
CT23	0.6	5

Certified by



APPENDIX II

ANALYTICAL PROCEDURE REPORTS FOR
AU AND AG GEOCHEMICAL ANALYSIS



MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURE FOR GOLD GEOCHEMICAL ANALYSIS.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pre-treated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

At this stage of the procedure copper, silver and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure.

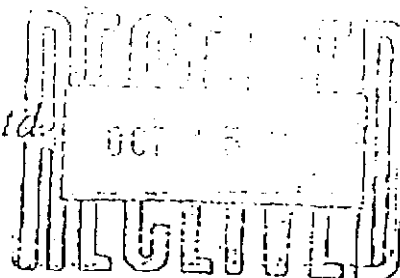
Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 5 ppb.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15th STREET
NORTH VANCOUVER, B.C.
CANADA



ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORK

PROCEDURES FOR Mo, Cu, Cd, Pb, Mn, Ni, Ag, Zn, As, F

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ceramic plated pulverizer.

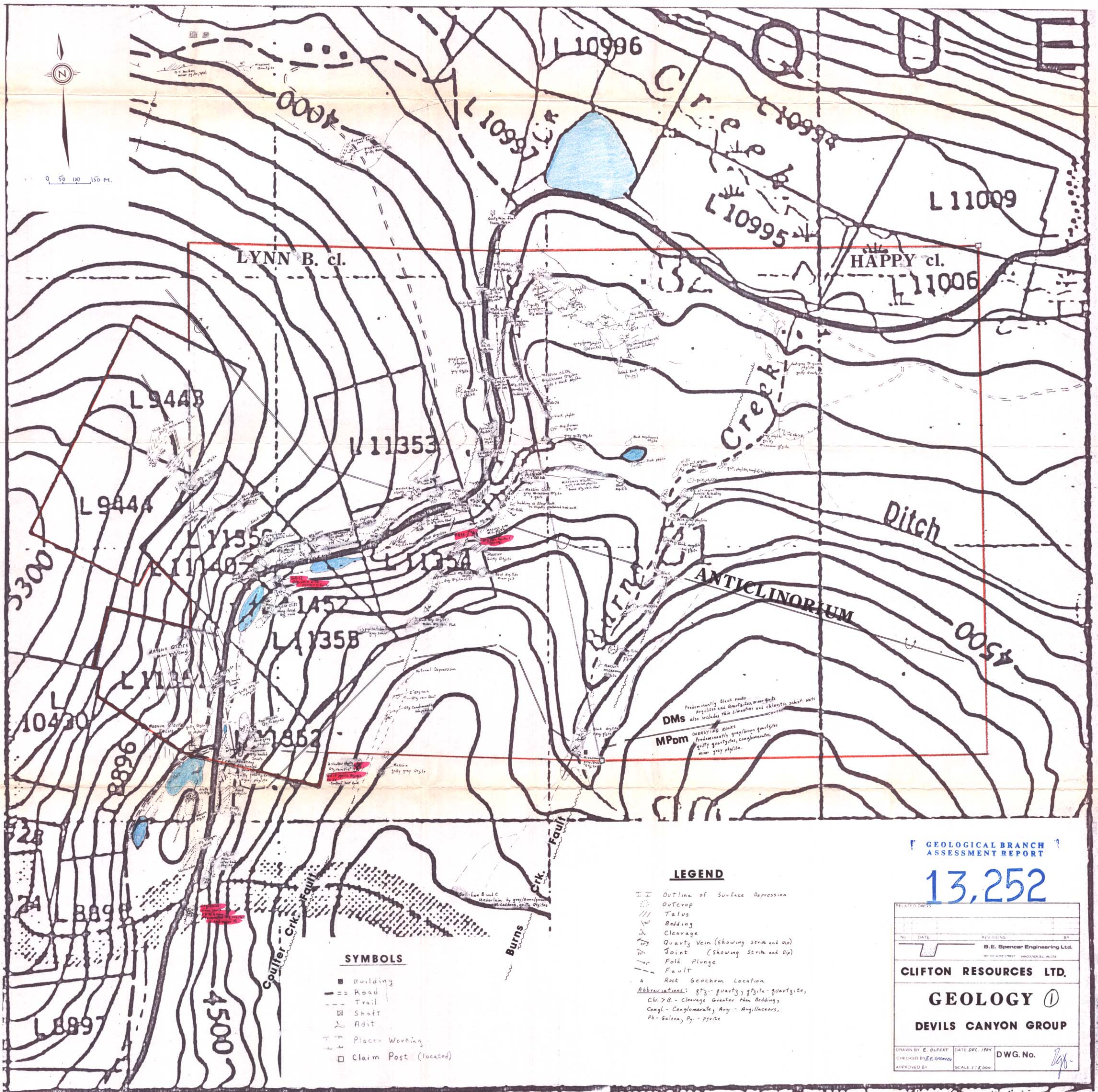
1.0 gram of the samples are digested for 6 hours with HNO_3 and HClO_4 mixture.

After cooling samples are diluted to standard volume. The solutions are analyzed by Atomic Absorption Spectrophotometers.

Copper, Lead, Zinc, Silver, Cadmium, Cobalt, Nickel and Manganese are analysed using the CH_2H_2 -Air flame combination but the Molybdenum determination is carried out by C_2H_2 - N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

For Arsenic analysis a suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzeit method using $\text{Ag CS}_2\text{N} (\text{C}_2\text{H}_5)_2$ as a reagent. The detection limit obtained is 1. ppm.

Fluorine analysis is carried out on a 200 milligram sample. After fusion and suitable dilutions the fluoride ion concentration in rocks or soil samples are measured quantitatively by using fluorine specific ion electrode. Detection limit of this test is 10 ppm F.



LYNN B. cl.

HAPPY cl.

ANTICLINORIUM

DMs
MPdm

SYMBOLS

- Building
- == Road
- - - Trail
- Shaft
- ∧ Adit
- ⊥ Placer Working
- Claim Post (located)

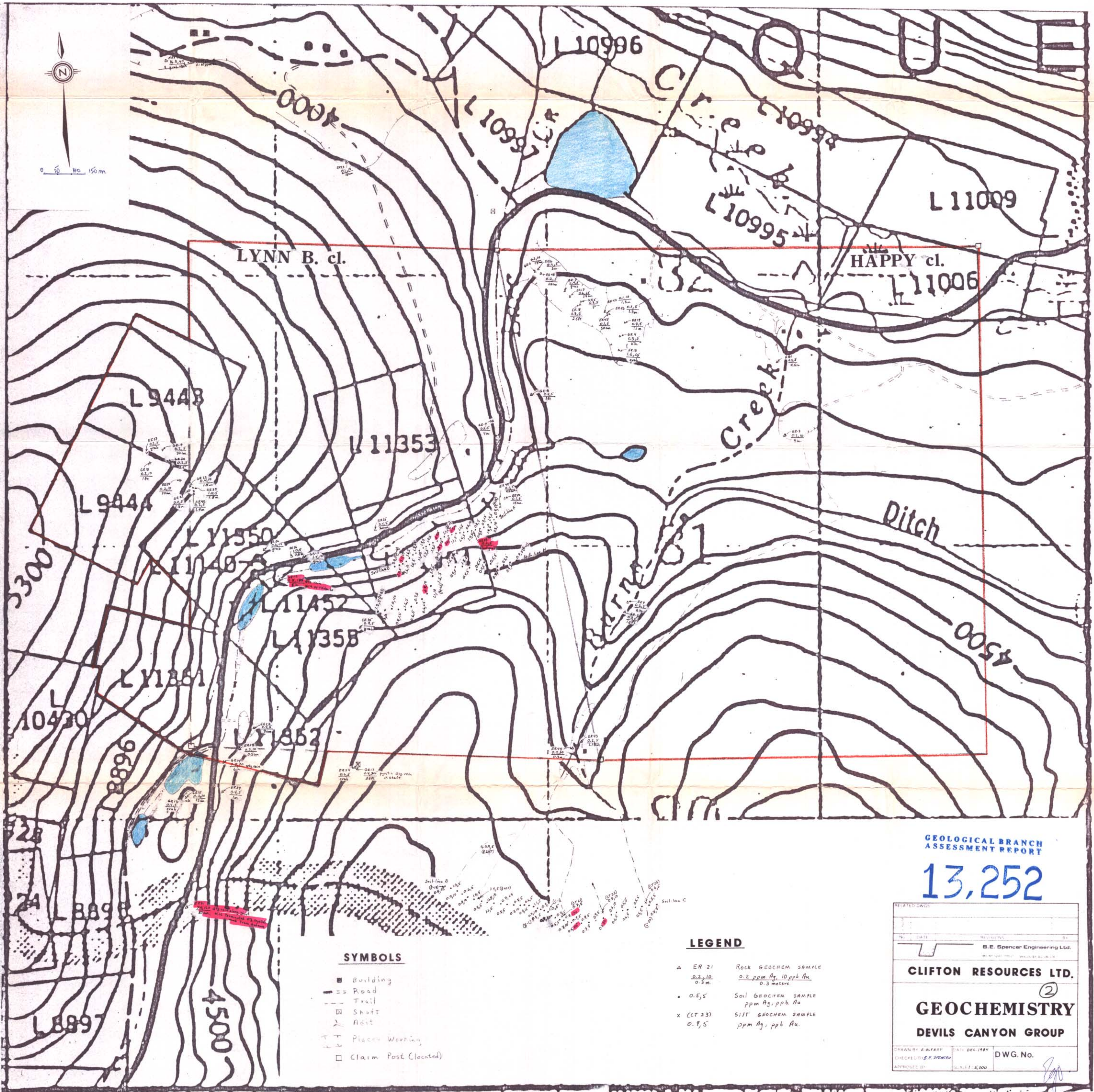
LEGEND

- Outline of Surface Depression
 - Outcrop
 - /// Talus
 - Bedding
 - ∩ Cleavage
 - Quartz Vein (Showing Strike and Dip)
 - Joint (Showing Strike and Dip)
 - Fold Plunge
 - Fault
 - Rock Geochem Location
- Abbreviations: qtz - quartz; qtzite - quartzite;
 Clv. > B - Cleavage Greater than Bedding;
 Congl. - Conglomerate; Arg - Argillaceous;
 Pb - Galena; Py - pyrite

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,252

CLIFTON RESOURCES LTD.	
GEOLOGY 1	
DEVILS CANYON GROUP	
DRAWN BY E. OLPERT CHECKED BY E. SPENCER APPROVED BY	DATE DEC. 1994 DWG. No. <i>13,252</i> SCALE 1:5,000



LYNN B. cl.

HAPPY cl.

Creek

Ditch

SYMBOLS

- Building
- == Road
- - - Trail
- Shaft
- ⋈ Adit
- ⋈⋈ Place Working
- Claim Post (located)

LEGEND

- △ ER 21 Rock GEOCHEM SAMPLE
0.2, 1.0
0.3m 0.2 ppm Ag, 10 ppb Au
0.3 meters
- 0.5' Soil GEOCHEM SAMPLE
ppm Ag, ppb Au
- x C.T. 23) Silt GEOCHEM SAMPLE
0.9, 5' ppm Ag, ppb Au

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,252

RELATED DWGS:	
No.	DATE
B.E. Spencer Engineering Ltd.	
CLIFTON RESOURCES LTD.	
GEOCHEMISTRY	
DEVILS CANYON GROUP	
DRAWN BY: E. OLFFERT	DATE: DEC 1988
CHECKED BY: B.E. SPENCER	DWG. No.
APPROVED BY:	SCALE: 5,000