

GEOPHYSICAL, GEOLOGICAL, TRENCHING, SAMPLING
AND
PROSPECTING REPORT
ON THE

Hiag 2, Hiag 3, Hiag 81, Early 1,
Early 2, Rex 81, Saint Paul, Crown
Fraction, Santa Barbara & P.T. Rex 81.

NTS 92J/10W

Lillooet Mining Division

Latitude 50°32'

Longitude 122° 53'

Claim Owners: Tenquille Resources Ltd.,
3513 West 31st Avenue,
Vancouver, B.C.

Operator: Amazon Petroleum Corp.,
801 - 700 W. Pender Street,
Vancouver, B.C.
V6C 1G8

Consultants: John DeLeen, P.Eng.,
Peter G. Curtis, Geologist.

Date: 17 September 1982

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,011

TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
LOCATION AND ACCESS	1
CLAIMS	1
HISTORY	2
GENERAL GEOLOGY OF THE TENQUILLE LAKE AREA	3
GEOLOGY OF AREA EXAMINED	3
GEOPHYSICS	7
TRENCHING AND SAMPLING	8
PROSPECTING	8
SUMMARY	9
EXPENDITURES	10
CERTIFICATE - John DeLeen, P.Eng.	11
CERTIFICATE - P.G. Curtis, Geologist	12
BIBLIOGRAPHY	13

APPENDICES

APPENDIX "A" Assay Certificates

FIGURES

FIGURE 1 Location Map
FIGURE 2 Claim Map
FIGURE 3 Geology of the Tenquille Area
FIGURE 4 Index Map
FIGURE 5 Surface & Underground Samples by J. Deleen
 (in fold)
FIGURE 6 Surface & Underground Samples by P.G.Curtis
 (in fold)
FIGURE 7 Magnetometer Survey by P.G.Curtis (in fold)
FIGURE 8 VLF-EM Survey By P.G. Curtis (in fold)

APPENDIX ~~'C'~~ C VLF EM, method and field readings.

APPENDIX ~~'B'~~ B Magnetometer, method and field readings.

INTRODUCTION

The Tenquille claims, which cover an area of approximately 3000 heactares, are located in the Pemberton area of British Columbia. The claims have been acquired by staking and by leasing from the government reverted crown-granted mineral claims. These claims cover a portion of an old mining area which has been investigated since 1916. The showings covered by this claim group are the Li-Li-Kel, Silver Bell, Gold King, Crown, Seneca and Wonder. These occurrences are known to contain precious metal values.

This report has been compiled from three days spent on the property in August 1982, from the writer's knowledge of the area acquired during the period 1960 to 1962, and from information obtained in government and private reports. The work completed on the property was under the supervision of P.G. Curtis, Geologist. It was completed during the period August 16 to 24 by P.G. Curtis, B.Sauer and S. Davies.

LOCATION AND ACCESS

The Tenquille claims are located at an elevation of 1500 to 2000 meters, 25 kilometers north-northwest of Pemberton, B.C. (See Figure 1.) Access to the claim group is by vehicle to Pemberton and by helicopter to the property. Access by helicopter can also be obtained from the logging roads which are located approximately 4 miles due east of the property on the lower portion of the Tenquille River. A tractor raod, now unusable, was constructed 2 miles from the property during the period 1975 to 1980.

CLAIMS (Figure 2)

The mineral records in the Mining Recorder's office in Vancouver show the following ownership as at 31 August 1982.

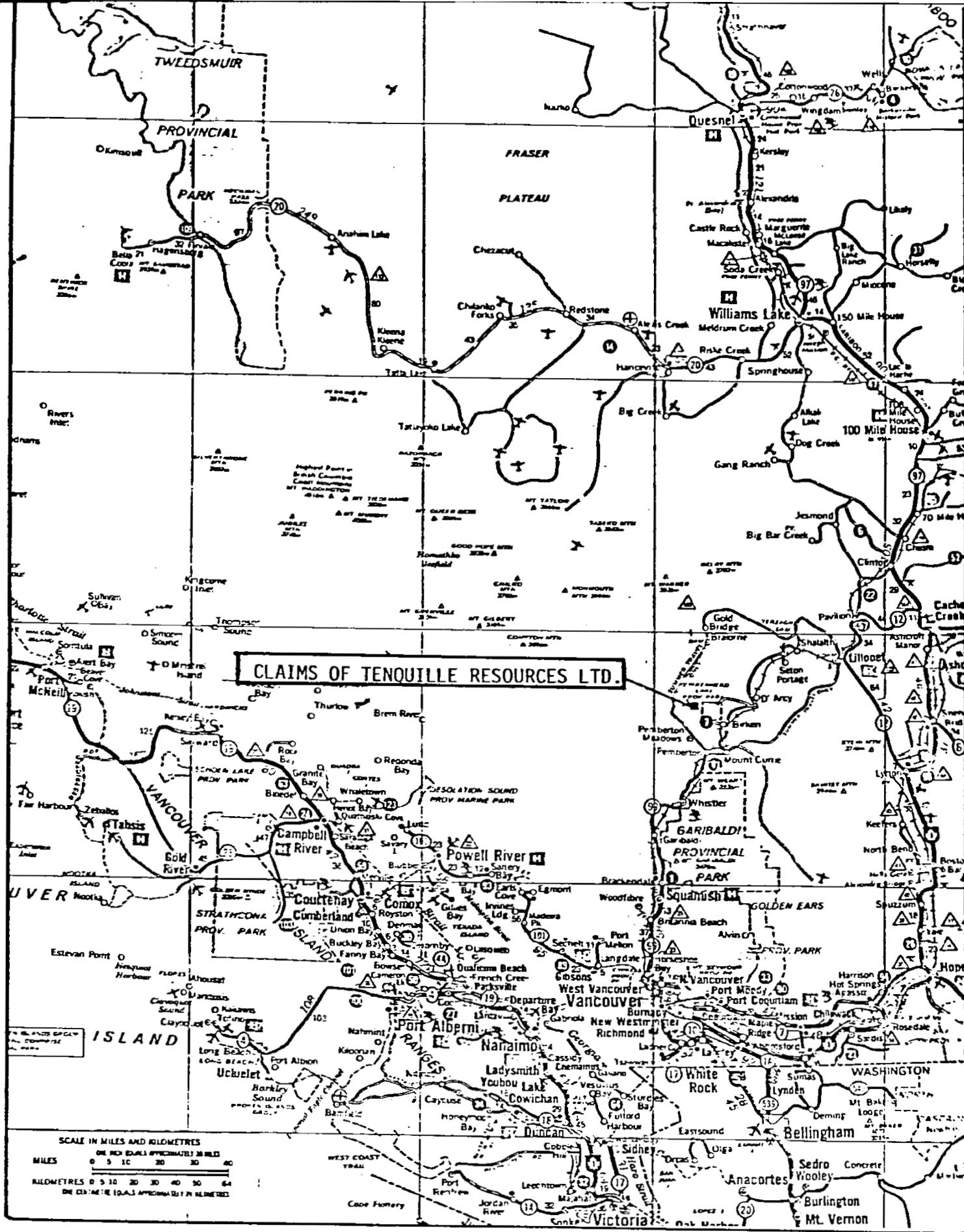


Figure 1

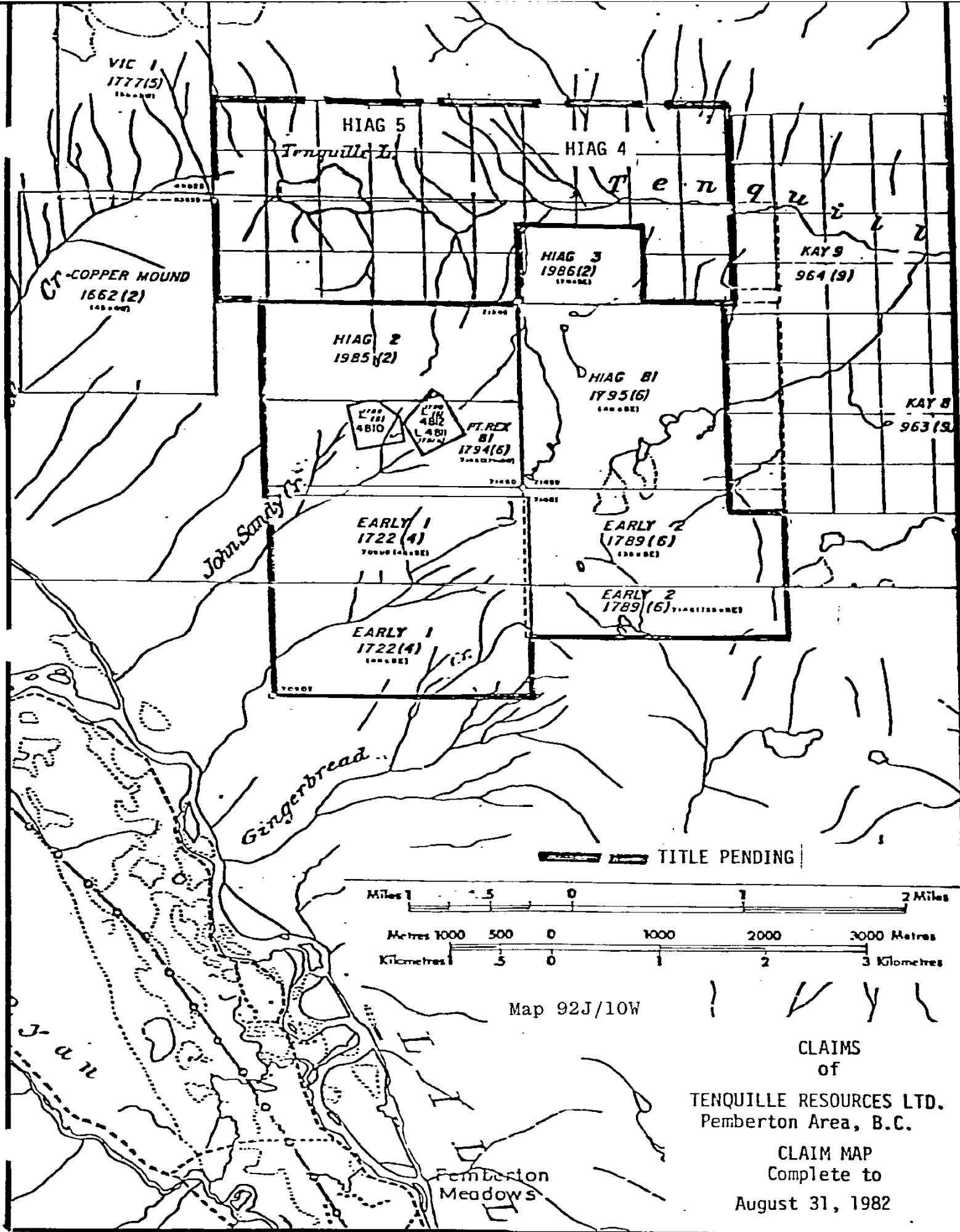


Figure 2

<u>CLAIM</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>EXPIRY DATE</u>	<u>OWNER</u>
Santa Barbara	1790	1	28 May/82*	Willa Enid Ross**
Crown Fr.	1790	1	28 May/82*	Willa Enid Ross
Saint Paul	1791	1	28 June/82*	Willa Enid Ross
Early 1	1722	20	13 April/82*	Willa Enid Ross
Early 2	1789	15	19 June/82*	Willa Enid Ross
PT Rex -81	1794	10	1 June/82*	Willa Enid Ross
Hiag - 81	1795	20	1 June/82*	Willa Enid Ross
Hiag -2	1985	10	5 Feb/83	Willa Enid Ross
Hiag -3	1986	5	5 Feb/83	Willa Enid Ross
Hiag -4	2131	20	26 Aug/83***	Willa Enid Ross
Hiag -5	2132	20	26 Aug/83***	Willa Enid Ross

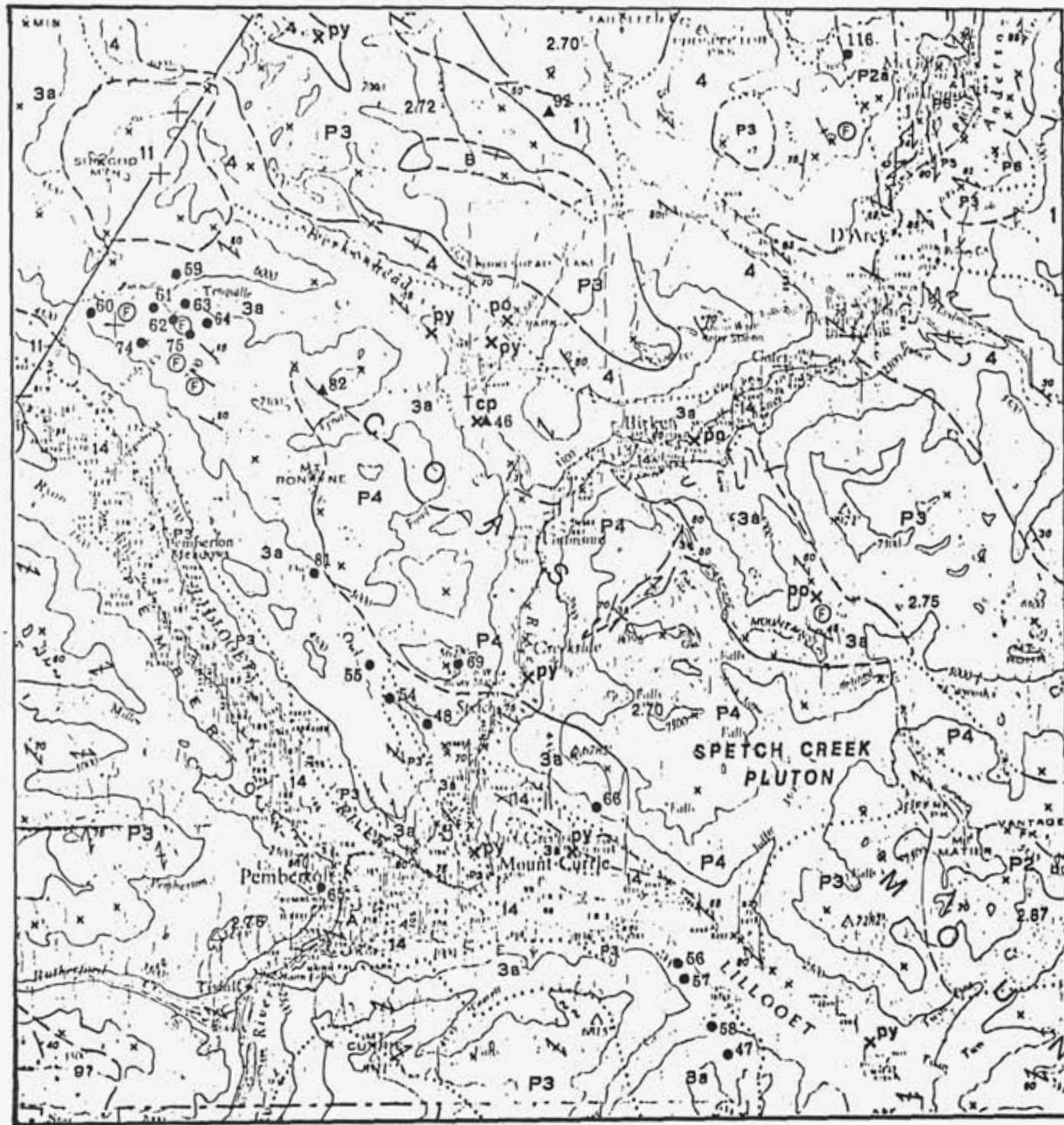
(*) A summary report of the survey completed on the claim group in 1981 has been submitted to the Mining Recorder. This is a factual report and will keep the claims indicated in good standing until their anniversary date in 1983.

(**) Vancouver lawyer, and a principal shareholder of Tenquille Resources Limited, is holding the claims in trust for Tenquille Resources Ltd. The initial posts of the Hiag -2 and Hiag -3, and the side marker post 3N-OE of the Hiag 81, were examined and found to be correctly located.

(***) Claims recorded on August 26, 1982 -- titles pending.

HISTORY

The mineral occurrences located in the Tenquille Lake area were found in 1916 during the construction of the Pacific Great Eastern Railway. The intensive investigation of the Tenquille Lake area was completed during the period 1923 to 1937 when the two major corporations, ASARCO and Britannia Mining and Smelting, completed their investigations. ASARCO completed the two drifts on the Li-Li-Kel property and Britannia Mining and Smelting completed trenching and underground programs on the Crown and Gold King claims. The showings were acquired by one owner in 1937 and held under the name of the "Gridiron" property. There was little work completed



QUATERNARY

14 Alluvial

TERTIARY

11 Andesite Flows & Breccia

TRIASSIC

3A Andesite Breccia Tuff & Flows
(age unknown)

P4 Grandiorite

MINERAL OCCURRENCES IN
TENQUILLE LAKE AREA

- 59 Moffat (Eva) (Cu, Ag, Zn)
- 60 Copper Mountain (Fe, Cu, Zn, Hg)
- 61 Seneca (Cu, Fe)
- 62 Wonder (Pb, Zn, Cu)
- 63 Silver Bell (Pb, Ag, Au, Zn, Cu)
- 64 Li-Li-Kel (Gridoron) (Ag, Pb, Zn, Au)
- 74 Crown (Ag, Zn, Cu, Pb, Fe)
- 75 Gold King (Ag, Au, Zn, Pb)

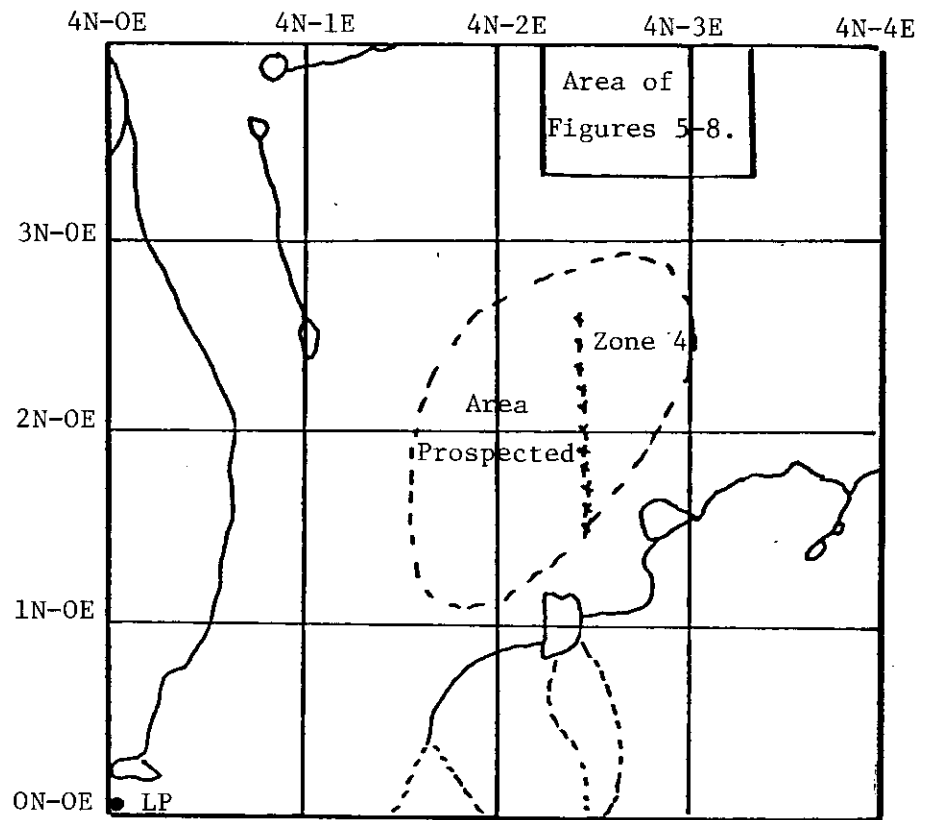
GSC Paper 73-17

Figure 3

Geology of Tenquille Lake Area

Scale: 1:250,000

FIGURE 3



INDEX MAP

HIAG 81

Mineral Claim
Tenquille Lake Area, B.C.

Scale: 1:2000

FIGURE 4

in the Tenquille Lake area until 1961 when Phelps Dodge carried out an exploration program on the copper-iron showings located on the western side of Tenquille Lake. Tenquille Resources, the owner, acquired their claims during the period 1980 to 1982. In August 1982 the claims were optioned to Amazon Petroleum Corp, (the operator).

GENERAL GEOLOGY OF THE TENQUILLE LAKE AREA

The rocks on the claim area (Figure 3) are a series of andesite breccias, tuffs and flows, and greenstones which contain minor flows of rhyolite breccia and thin beds of slates, argillites, limestone and conglomerate. (GSC Paper 73-17)

The volcanic and sedimentary rocks are part of the Pioneer Formation and have a thickness in excess of 5000 feet. Fossils collected from a ridge located southeast of Tenquille Lake indicate that this sequence is of Late Triassic age.

GEOLOGY OF AREA EXAMINED (Figures 4,5 and 6)

The geological mapping was completed in the area covering the Li-Li-Kel and the No. 3 zones. The rocks in this area are well exposed, and an outcrop map was not completed. These veins are located at an elevation of approximately 3000 meters. The area is above the treeline and it was possible to trace the zones until they were covered by talus.

The rocks on the area covered by Figure 5 and 6 are a series of andesitic flows and breccias. An area of approximately 75,000 square meters was studied. The Li-Li-Kel zone was mapped for a distance of approximately 400 meters and the No. 3 zone for a distance of approximately 175 meters. Both the Li-Li-Kel and

the No. 3 zone appear to be mineralized shear zones which contain irregular lenses of quartz and sulphides. The minerals noted in hand specimen were galena, sphalerite, pyrite and possibly argentite. The mineralized zones vary in width from a few centimeters to approximately 2.0 meters, the silver from 0.01 to 192.0 ounces and the gold from 0.001 to 0.73 ounces per ton. The Li-Li-Kel zone has a northeasterly strike and dips to the east at angles from 75 to 85 degrees.

The Li-Li-Kel was developed by 2 drifts, each approximately 100 meters in length and by 13 trenches. The No. 3 zone was developed by a drift 28 meters in length and by 4 trenches. The workings of both of these zones were channel sampled by J. DeLeen and P.G.Curtis. The assays of these samples taken by J. DeLeen and P.G. Curtis agreed within the limits of error expected for samples containing precious metal values (see Appendix "A").

The lower Li-Li-Kel drift appears to be driven on a weakly mineralized zone which is parallel to the main zone. The samples from the lower drift contained only low values of precious metals. The samples from the trenches located 30 to 40 meters above the lower drift contained the following precious metal values (Figures 5 & 6).

<u>J. DELEEN</u>	<u>SAMPLE</u>	<u>WIDTH (M)</u>	<u>Ag</u>	<u>Oz/T Au</u>
	67	1.10	39.60	0.011
	68	0.61	1.68	0.054
	69	1.20	2.63	0.033

<u>P.G. CURTIS</u>	<u>SAMPLE</u>	<u>WIDTH (Ft)</u>	<u>Ag</u>	<u>Oz/T Au</u>
	31	1.0	192.0	0.085
	32	1.5	0.25	0.001

The samples from the surface trenches located between the lower and upper Li-Li-Kel drifts contained the following:

<u>P.G. Curtis</u>	<u>SAMPLE</u>	<u>WIDTH (Ft.)</u>	<u>Ag</u>	<u>Oz/T Au</u>
	20	1.5	0.22	0.002
	21	1.5	2.44	0.044
	22	1.5	1.14	0.017
	23	1.5	27.40	0.026
	24	1.5	0.23	0.001

The samples in the Upper Li-Li-Kel tunnel taken by Curtis and DeLeen are in agreement and contained the following:

<u>J. DELEEN</u>	<u>Sample</u>	<u>Width (m)</u>	<u>Ag</u>	<u>Au</u>
	64	1.8	2.11	0.059
	62	1.2	0.19	0.001
	63	0.1	167.5	0.163
	55	1.5	0.23	0.002
	59	2.1	0.01	0.001
	60	1.7	0.01	0.001
	61	1.1	0.18	0.001
	57	1.8	0.12	0.001
	58	1.5	0.08	0.001
	56	1.2	1.96	0.013

<u>P.G. CURTIS</u>	<u>Sample</u>	<u>Width</u> (ft)	<u>Ag</u>	<u>Au</u>
	10	5.0	2.16	0.031
	11	4.5	3.52	0.026
	12	5.0	1.03	0.008
	13	6.5	35.7	0.032
	14	5.0	9.50	0.004
	15	5.0	0.05	0.001
	16	6.0	0.14	0.001
	17	6.0	2.77	0.003
	19	8.0	0.74	0.002
	18	3.75	3.40	0.022

The surface samples from the trenches located above the upper Li-Li-Kel drift which were taken by P.G. Curtis (See Figure 6) contained the following:

<u>Sample</u>	<u>Width</u>	<u>Ag</u>	<u>Au</u>
25	3.0	11.18	0.019
26	4.0	1.48	0.028
27	0.5	2.93	0.730
28	1.0	0.64	0.15

The No. 3 zone samples (Figures 5 & 6), taken from the drift, gave the following results:

<u>JOHN DELEEN</u>	<u>SAMPLE</u>	<u>(m)</u> <u>WIDTH</u>	<u>Au</u>	<u>Ag</u>
	70	0.46	1.44	0.003
	71	1.8	0.13	0.001

<u>P.G. CURTIS</u>	<u>SAMPLE</u>	<u>(ft)</u> <u>WIDTH</u>	<u>Au</u>	<u>Ag</u>
	47	4.0	0.78	0.002
	48	4.0	0.05	0.001
	49	4.0	0.08	0.001

The surface samples on the No. 3 vein (Figs. 5 & 6) contained the following:

<u>JOHN DELEEN</u>	<u>SAMPLE</u>	(m)	<u>Ag</u>	<u>Au</u>
		<u>WIDTH</u>		
	72	1.4	0.01	0.001
	73	1.5	1.28	0.003
	74	2.1	0.34	0.002
	75	1.2	20.00	0.031

<u>P.G. CURTIS</u>	<u>SAMPLE</u>	(ft)	<u>Ag</u>	<u>Au</u>
		<u>WIDTH</u>		
	30	0.5	14.3	1.280

GEOPHYSICS (Figures 4, 7 & 8)

Reconnaissance lines of magnetometer and VLF-EM were completed by P.G. Curtis (Figures 4, 7 & 8) over the workings and the pits of the Li-Li-Kel and the Number 3 structure. These surveys appeared to outline both zones. Owing to high relief in the area of mineral-bearing structures these surveys can only be completed over a limited area. The lines were spaced 75 meters apart and a total of 625 meters of surveying was completed. The lines were flagged, surveyed by topofil and compass. The work was completed on Units 4N-3E and 4N-4E of the Hiag 81 Claim.

TRENCHING & SAMPLING (Li-Li-Kel and No. 3 Zone) (Figures 4,5,6,7 & 8)

The trenches, Numbers 5,6 and 6½, were completed on Unit 3N-3E of the Hiag 81. The work was completed by drilling with a gasoline driven Jack Hammer and blasting. Two and one-half cubic meters of rock were removed from the trenches.

7.0 m

Sampling of old and new trenches, and the underground workings located on Unit 3N-3E of Hiag 81 was completed. Thirty-five channel samples were taken from the underground workings and thirty-five from the surface trenches (see Figures 5 & 6). The assay certificates are included in Appendix "A".

PROSPECTING (Figure 4)

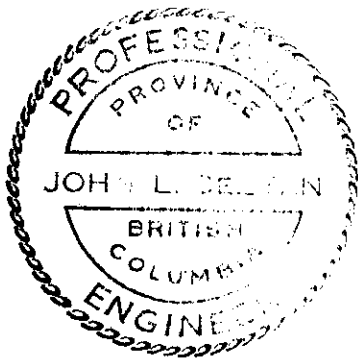
Some prospecting was completed on Unit 2N-3E and 3N-3E, approximately 500 meters due south of the area on Figures 5 and 8. An area covering approximately two claim units was investigated. A gossan zone, approximately 1000 meters in length and 50 meters in width was found. The gossan is not a solid mass, but contains irregular lenses of quartz and pyrite. This zone is not considered to be the same structure as the Li-Li-Kel or the No. 3 zone. It has therefore been called the "Number 4 zone". Two grab samples taken from this zone contained the following:

<u>DELEEN</u>	<u>Ag</u>	<u>Au</u>	<u>CURTIS</u>	<u>Ag</u>	<u>Au</u>
Grab	0.05	0.001	Grab	1.25	0.01

The Number 4 zone has received some investigation in the past as a few old trenches were found. These trenches were not sampled as they still contained snow.

SUMMARY

The work completed by the field crew on the Hiag 81 claim during the period August 16 to 24 has confirmed the presence of precious metal bearing structures. The magnetometer and VLF-EM surveys indicated that these surveys could be used to trace mineral bearing zones. Additional work is to be completed on the claim group.



A handwritten signature in cursive script that reads "John DeLeen".

John DeLeen, P.Eng.



A handwritten signature in cursive script that reads "P.G. Curtis".

P.G. Curtis, Geologist.

EXPENDITURES

WAGES

John DeLeen	5 days @ \$400/day	\$ 2,000
P.G. Curtis	13 days @ \$200/day	2,600
Brian S	12 days @ \$95/day	1,140
S. Doves	12 days @ \$75/day	812
D. Chapman	13 days @ \$175/day	2,275

TRANSPORTATION

Helicopter (Pemberton Helicopters)	2,100
Vehicle Mileage (P.G. Curtis)	48
Truck Rental (Budget)	352

MISCELLANEOUS

Drill Rental	512
Gas & Oil for Drill, Saws, etc.	108
Blasting Machine rental	45
Powder, Caps & Fuse	597

MAPS

197

CAMP FOOD

508

ASSAYS (Acme Labs)

1,052

TOTAL

\$ 14,464

APPORTION \$7464 CREDIT TO PML
TK

DELEEN CONSULTING GEOLOGISTS LTD.

1015 - 837 W. HASTINGS STREET
VANCOUVER, B.C. CANADA V6C 1C4

-11-

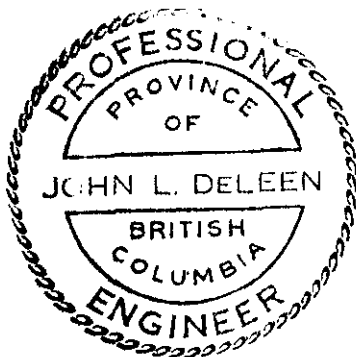
TELEPHONE (604) 685-5533
TELEX - 04-51313

CERTIFICATE

I, John L. DeLeen, of the City of Vancouver in the Province of British Columbia, hereby certify the following:

1. I am a geological and mining engineer with an office at 1015-837 West Hastings Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia with a B.A.Sc. (1943) and M.A.Sc. (1946) degrees in Geological Engineering. In 1950 I obtained the degree of Mining Engineer from the University of California.
3. I have practised my profession since 1946.
4. I am a member of the Association of Professional Engineers of British Columbia.
5. I have no interest, direct or indirect, in Tenquille Resources Ltd., nor do I expect to receive any such interest in the future.
6. This report is based on examination of the property on August 16, 23, and 24, 1982, and upon data obtained from government and private reports.
7. I consent to the use of this report as a Statement of Material Facts.

DATED at Vancouver, B.C. this 17th day of September 1982.



A handwritten signature in cursive script that reads "John L. DeLeen".

John L. DeLeen, P.Eng.

CERTIFICATE

Qualifications of Supervisor and Co-author of this report.

- (1) I am a graduate of the Camborne School of Mines, Cornwall, England, with an additional diploma in Applied Geochemistry.
- (2) I have been employed in mineral exploration in Canada since 1967 (10 years with ASARCO Exploration Company of Canada Ltd.).
- (3) I am a Fellow of the Geological Association of Canada.

DATED at Vancouver, British Columbia, this

17th day of September 1982.



Peter G. Curtis

Peter G. Curtis, Geologist

BIBLIOGRAPHY

Annual Report of the B.C. Minister of Mines 1923, 1924, 1925,
1926, 1927, 1932 and 1937.

Geological Survey of Canada Summary Report, 1924, Part A

Geological Survey of Canada, "Pemberton (East Half) Map Area,
British Columbia", J.A. Roddick and W.W. Hutchison, Paper 73-17,
1973.

"Geophysical and Geological Report on the P.T. Rex and Hiag 81
Claims", P.G. Curtis, April 1982.

APPENDIX "A"

ASSAY CERTIFICATES FOR SAMPLES
TAKEN AT THE TENQUILLE LAKE
PROPERTY.



To: Tenquille Resources,
204 - 4464 W. 10th Ave.,
Vancouver, B.C.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone: 253 - 3158

File No. 82-0943

Type of Samples Rocks

Disposition _____

ASSAY CERTIFICATE

No.	Sample	Ag oz/ton	Au oz/ton					No.
1	58251	2.44	.044	SAMPLES 5821 to 58283 taken				1
2	58252	.22	.002	by P.G. Curtis				2
3	58253	2.93	.730					3
4	58254	27.40	.026					4
5	58255	1.14	.017					5
6	58256	1.13	.006					6
7	58257	.23	.001					7
8	58258	.11	.001					8
9	58259	.05	.001					9
10	58260	.05	.001					10
11	58261	.78	.002					11
12	58262	.08	.001					12
13	58263	.06	.001					13
14	58264	1.03	.008					14
15	58265	11.18	.019					15
16	58266	.06	.001					16
17	58267	.64	.015					17
18	58268	.05	.001					18
19	58269	1.48	.028					19
20	58270	192.00	.085					20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 25, 1982

DATE REPORTS MAILED Aug. 31, 1982

ASSAYER

Dean Toye
DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Tenquille Resources,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B.C. V6A 1R6

Telephone: 253 - 3158

File No. 82-0943

Type of Samples Rock

Disposition _____

ASSAY CERTIFICATE

No.	Sample	Ag oz/ton	Au oz/ton						No.
1	58271	3.40	.022						1
2	58272	.74	.002						2
3	58273	.14	.001						3
4	58274	2.77	.003						4
5	58275	14.30	1.280						5
6	58276	.10	.001						6
7	58277	.15	.009						7
8	58278	3.52	.026						8
9	58279	35.70	.032						9
10	58280	9.50	.004						10
11	58281	2.16	.031						11
12	58282	1.25	.015						12
13	58283	.25	.001						13
14									14
15									15
16									16
17									17
18									18
19									19
20									20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 25, 1982

DATE REPORTS MAILED Aug. 31, 1982

ASSAYER Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Tenquille Resources
204 - 4464 W. 10th Ave.,

Vancouver, B.C.

File No. 82-0952

Type of Samples Rocks

Disposition _____

ASSAY CERTIFICATE

Sample Submitted by John L. De Leen, P. Eng.

No.	Sample	Ag oz/ton	Au oz/ton					No.
1	75655	.23	.002	Samples 75655 to 75676 taken				1
2	75656	1.96	.013	by John DeLeen				2
3	75657	.12	.001					3
4	75658	.08	.001					4
5	75659	.01	.001					5
6	75660	.01	.001					6
7	75661	.18	.001					7
8	75662	.19	.001					8
9	75663	167.50	.163					9
10	75664	2.11	.059					10
11	75665	1.46	.002					11
12	75666	.19	.001					12
13	75667	39.60	.011					13
14	75668	1.68	.054					14
15	75669	2.63	.033					15
16	75670	1.44	.003					16
17	75671	.13	.001					17
18	75672	.01	.001					18
19	75673	1.28	.003					19
20	75674	.34	.002					20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 26, 1982

DATE REPORTS MAILED Aug. 31, 1982

ASSAYER _____

Dean Toye
DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER



To: Tenquille Resources,

File No. 82-0952

Type of Samples _____

Disposition _____

ASSAY CERTIFICATE

No.	Sample	Ag oz/ton	Au oz/ton					No.
1	75675	20.00	.031					1
2	75676	.05	.001					2
3								3
4								4
5								5
6								6
7								7
8								8
9								9
10								10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20

All reports are the confidential property of clients.

DATE SAMPLES RECEIVED Aug. 26, 1982

DATE REPORTS MAILED Aug. 31, 1982

ASSAYER

Dean Toye

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO₃ TO H₂O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
THIS LEACH IS PARTIAL FOR: Ca, P, Mg, Al, Ti, La, Na, K, W, Ba, Si, Sr, Cr AND B. Au DETECTION 3 pps.
SAMPLE TYPE - ROCK CHIPS

DATE RECEIVED AUGUST 31 1982

DATE REPORTS MAILED

Sept 9 1982

ASSAYER

D. Jones

DEAN TOYE, CERTIFIED B.C. ASSAYER

TENDRILLE FILE# B2-0943

PAGE # 1

SAMPLE #	Mg	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
pps	pps	pps	pps	pps	pps	pps	pps	pps	%	pps	pps	pps	pps	pps	pps	pps	pps	pps	%	%	pps	pps	%	pps	%	%	%	%	%	pps
STD A-1	1	30	39	175	.4	34	12	976	2.68	14	2	ND	2	34	2	2	2	55	.63	.10	8	71	.74	272	.09	13	2.03	.02	.20	2
53253	3	467	206	93	22.4	2	10	4118	3.50	177	2	16	2	4	1	3	3	9	.19	.01	2	1	.02	4	.01	5	.17	.01	.01	2
C:275 10x	1	942	3063	2124	4.8	1	1	645	.25	21	2	ND	2	1	12	10	9	2	.01	.01	2	1	.01	2	.01	2	.02	.01	.91	2
58279	1	194	220	360	66.6	2	6	3104	1.19	20	2	ND	2	6	2	2	2	9	.84	.01	2	1	.23	4	.01	2	.51	.01	.04	2
75663	2	917	145	589	49.4	3	14	3695	1.68	146	2	ND	2	9	3	9	2	25	.05	.01	2	1	.05	23	.01	4	.18	.01	.92	2
75667	1	295	799	701	57.3	2	5	4676	1.61	21	2	ND	2	7	5	3	2	13	.15	.01	2	1	.13	9	.01	4	.49	.01	.03	2
75675	1	189	9	40	88.4	1	4	449	.79	42	2	ND	2	1	1	57	2	6	.01	.01	2	1	.01	9	.01	2	.07	.01	.63	2

Geochem Ag solubility 30 ppm
Pb " 5000 ppm

10x = multiply data by 10

Magnetometer Survey

The survey was conducted along lines laid out normal to the expected geological features. Lines were 50 M apart with 10 M spacing between stations. Two readings were taken at each station.

Rdg. No.1 With sensor on a 2.2 M staff.

Rdg. No.2 With sensor held 0.8 M above surface

Rdg.No.2 subtracted from Rdg No1 is plotted as vertical separation on Fig.7

Rdg.No1 after correction for diurnal Variation is plotted as total magnetic field.

The instrument used was a

GEOMETRIX Proton Resession Magnetometer G826
Serial No.1423

Tabulated Magnetometer Readings

Time	Line	Stn	Upper Rdg	Corrected Rdg	Lower Rdg
1107	Base Stn		57129	57114	56947
	1	1	57005	56981	57043
	1	2	56997	56984	56864
	1	3	56988	56976	56955
1132	1	4	56945	56934	57834
	1	5	56976	56965	56832
	1	6	56976	56966	56897
	1	7	57038	57028	57000
1140	1	8	57108	57098	57047
	1	9	56969	56960	56992
	1	10	56923	56914	56802
1146	1	11	57049	57041	56837
	1	12	57042	57034	56838
1152	1	13	57022	57015	56896
	1	14	56963	56956	56808
	1	15	56877	56870	57025
1157	1	16	56906	56899	56721
1210	2	16	57085	57081	57025
	2	15	57082	57078	56963
	2	14	57074	57070	56967
1215	2	13	57080	57076	56993
	2	12	57066	57063	57105
1219	2	11	57045	57042	58148
	2	10	57056	57053	56965
	2	9	57060	57057	57185
	2	8	57105	57102	57054
	2	7	57068	57066	56962
	2	6	57082	57080	57041
1233	2	5	57074	57073	57089
	2	4	57109	57109	57243
	2	3	57082	57082	56935
	2	2	57087	57087	56935
1241	2	1	57091	57091	56970
1243	Base Stn.		57114	57114	56924
1247	3	1	57120	57120	57052
	3	2	57106	57106	57133
	3	3	57125	57125	60516
	3	4	57100	57100	56941
1258	3	5	57090	57090	57084
	3	6	57095	57094	57009
	3	7	57087	57086	56953
	3	8	57094	57093	57037
1308	3	9	57107	57106	57085
	3	10	57057	57056	57003
	3	11	57064	57063	57111
1313	3	12	57080	57079	56838
	3	13	57090	57089	56928
	3	14	57069	57068	56921
	3	15	57028	57027	56816
1320	3	16	57050	57049	56869
1324	4	16	57039	57037	56857
	4	15	57073	57071	57084
	4	14	57059	57057	56953
1329	4	13	58080	58078	57012
	4	12	57061	57059	56945
1338	4	11	57452	57450	57190

	4	10	56501	56499	56202
	4	9	56999	56997	56772
1344	4	8	56709	56706	56561
1347	4	7	56955	56952	56920
1405	4	6	57008	57005	56947
	4	5	57018	57015	56953
	4	4	56999	56996	56896
	4	3	57010	57007	56958
	4	2	57054	57051	56950
1414	4	1	57026	57023	56953
1426	Base Stn.		57117	57114	
1441	Base Stn 2		57019	57016	57025
1537	Base Stn 2		57014	57016	
	4	-1	57022	57022	56991
	4	-2	57050	57049	56882
	4	-3	57039	57036	56926
	4	-4	57029	57024	56895
1555	4	-5	56963	56956	56874
	4	-6	56945	56937	56880
	4	-7	57040	57031	56816
	4	-8	56949	56939	56885
	4	-9	56988	56977	56995
1605	4	-10	57037	57025	56901
1608	5	-10	56982	56968	56934
	5	-9	56988	56973	56996
	5	-8	57003	56987	57048
	5	-7	57027	57010	57047
1616	5	-6	56993	56975	56931
	5	-5	57009	56990	56991
	5	-4	57059	57039	57093
	5	-3	57039	57019	57039
	5	-2	57032	57011	57069
1624	5	-1	57040	57018	57000
1626	5	+1	57004	56981	57014
	5	+2	57054	57030	56719
	5	+3	57087	57061	57049
1633	5	+4	57104	57077	57056
	5	+5	Cliff Face		
1641	5	+6	57058	57028	56943
	5	+7	56957	56925	56875
1645	5	+8	57200	57167	57220
	5	+9	57120	57086	57064
	5	+10	57171	57136	57148
1650	5	+11	57112	57076	57114
	5	+12	57102	57065	56975
1655	5	+13	57106	57068	56981
1709	Base Stn		57062	57016	

VLF-EM Survey

Instrument;

Sabre Model 27 VLF-EM receiver

Transmitter Stn.

Hawaii 23.4 KHz.

Dip Angle Measurement Procedure

1. Hold receiver in horizontal position and rotate in the horizontal plane until a null is observed. This aligns receiver in the field and the operator should be facing southerly or easterly depending on transmitter location.

2. Bring receiver up to the vertical position (meter faces vertical) and rotate the receiver in the vertical plane perpendicular to the transmitter direction until a null or minimum reading is observed on the field strength meter.

3. Hold the receiver in this field strength null position and read the inclinometer in degrees. Record this dip angle of null along with sign (+ or -).

Horizontal Field Strength Measurement Procedure

1. Return receiver to the horizontal position.
2. Reestablish null bearing in horizontal plane.
3. Rotate receiver 90° in the horizontal plane.

4. Depress ~~damp~~ push button switch and observe field strength meter reading for sufficient time to obtain an average F.S. meter reading. (depressed ~~damp~~ switch slows needle action and reduces meter reading by half. The reading will normally range around 50).

5. Record F.S. reading.

Filtering Techneque For VLF-EM Dip Angle Data

The standard profile method of presenting dip angle data may be difficult to interpret. A filtering technique, described by D.C. Fraser 1969 (Geophysics, V.34 No. 6,P. 958-967) enables the data to be presented on a plan map with conductive areas defined by contours.

The following explains the calculation:-

<u>Line</u>	<u>Station</u>	<u>Null</u>	<u>Filter</u>
8N	0 E	+ 3	
	1 E	+ 4	
	2 E	+ 4	
	3 E	+ 6	
	4 E	+ 7	
	5 E	+ 9	
	6 E	+ 12	
	7 E	+ 16	
	8 E	+ 2	
	9 E	- 4	
	11 E	- 6	
	12 E	- 1	
		+3+4= +7	
		+4+4= +8	
		+4+6= +10	
		+13	
		+16	
		+21	
		+28	
		+18	
		-2	
		-14	
		-16	
		-6-1= -7	
		+7-(+10)= -3	
		+8-(+13)= -5	
		+10-(+16)= -6	
		-8	
		-12	
		+3	
		+30	
		+32	
		+14	
		-14-(-7)= -7	

Line	Station	Field st.	Dip angle
1	1	50	-18
1	2	45	-18
1	3	47	-18
1	4	50	-20
1	5	50	-18
1	6	47	-20
1	7	49	-20
1	8	45	-18
1	9	49	-18
1	10	50	-18
1	11	47	-20
1	12	49	-20
1	13	51	-20
1	14	48	-12
1	15	45	-18
1	16	46	-16
2	1	46	-14
2	2	49	-14
2	3	49	-12
2	4	50	-14
2	5	48	-16
2	6	53	-18
2	7	51	-18
2	8	45	-16
2	9	51	-18
2	10	51	-16
2	11	50	-16
2	12	52	-12
2	13	48	-16
2	14	50	-18
2	15	52	-18
2	16	50	-16
3	1	55	-12
3	2	52	-12
3	3	47	-10
3	4	55	-12
3	5	58	-14
3	6	50	-14
3	7	55	-12
3	8	52	-14
3	9	51	-12
3	10	54	-12
3	11	51	-12
3	12	54	-10
3	13	50	-10
3	14	51	-14
3	15	49	-10
3	16	50	-12

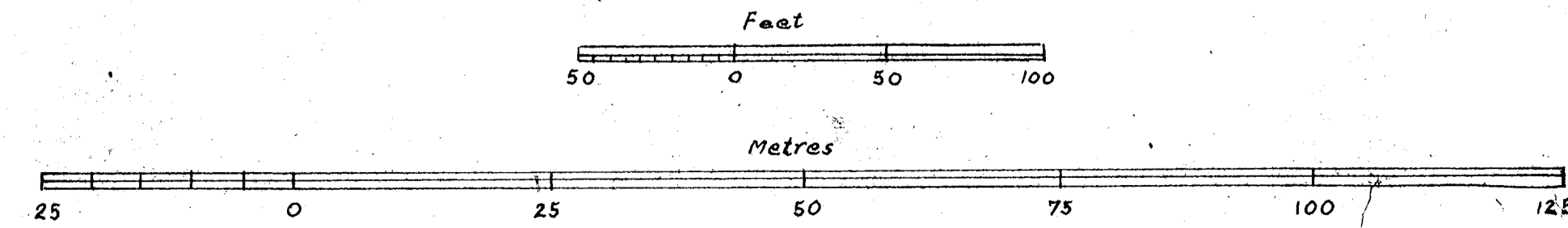
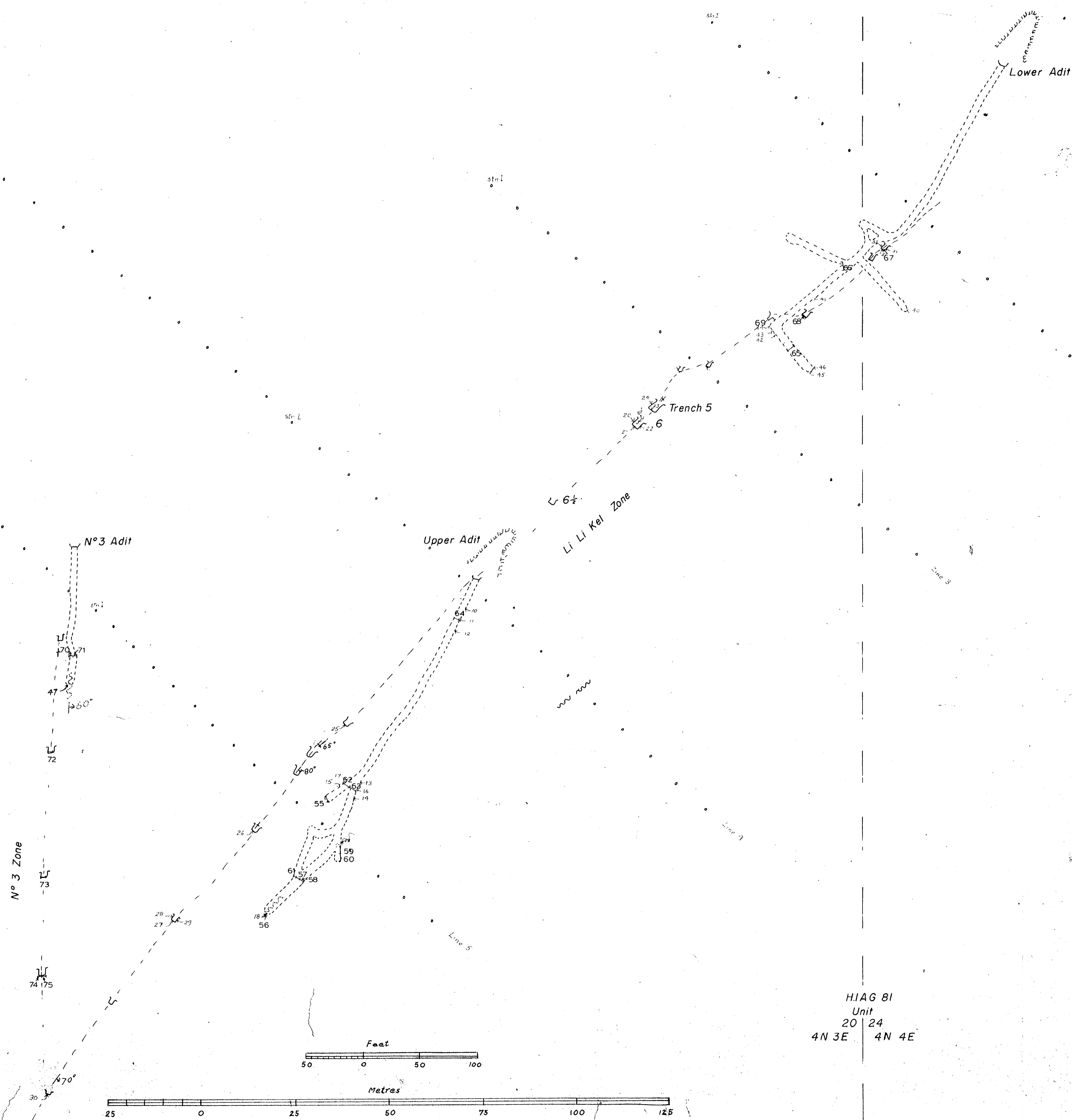
4	1	53	-12
4	2	59	-14
4	3	57	-10
4	4	52	-12
4	5	55	-14
4	6	53	-14
4	7	52	-14
4	8	55	-14
4	9	53	-14
4	10	52	-16
4	11	53	-14
4	12	51	-12
4	13	46	-14
4	14	49	-14
4	15	53	-12
4	16	51	-18
4	-1	54	-10
4	-2	49	-10
4	-3	51	-8
4	-4	53	-18
4	-5	51	-10
4	-6	51	-10
4	-7	50	-10
4	-8	53	-12
4	-9	52	-12
4	-10	48	-12
5	-10	48	-14
5	-9	49	-16
5	-8	50	-12
5	-7	51	-12
5	-6	47	-12
5	-5	48	-14
5	-4	53	-12
5	-3	47	-14
5	-2	58	-14
5	-1	52	-16
5	1	53	-16
5	2	48	-18
5	3	49	-20
5	4	49	-16
5	5	45	-20
5	6	47	-18
5	7	47	-14
5	8	48	-20
5	9	48	-20
5	10	48	-18
5	11	48	-18
5	12	51	-18
5	13	49	-18
	14		
	15		
	16		

Cliff Faces

Unit post 4N 3E
HIAG 81



Sample	M Width	Ag	Au
75655	1.5	0.23	0.002
56	1.2	1.96	0.013
57	1.8	0.12	0.001
58	1.5	0.08	0.001
59	2.1	0.01	0.001
60	1.7	0.01	0.001
61	1.1	0.18	0.001
62	1.2	0.19	0.001
63	0.1	167.5	0.163
64	1.8	2.11	0.059
65	0.15	1.46	0.002
66	1.8	0.19	0.001
67	1.1	39.60	0.011
68	0.61	1.68	0.054
69	1.2	2.63	0.033
70	0.46	1.44	0.003
71	1.8	0.13	0.001
72	1.4	0.01	0.001
73	1.5	1.28	0.003
74	2.1	0.34	0.002
75	1.2	20.00	0.031
76	grab	0.05	0.001

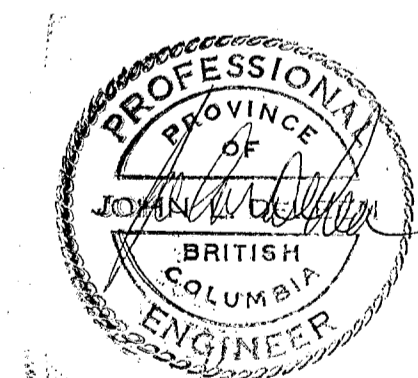


HIAG 81
Unit
20 24
4N 3E 4N 4E

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,011

- Geology
Andesite breccia and tuff
is exposed over 90% of
map sheet
- U/G Workings
 - ∩ Surface Trench
 - E.M.- Mag. Stn.
 - Unit Post
 - ~ Surface Fault or Shear
 - ~ U/G Fault or Shear
 - Vein zone
 - Sample Location



TENQUILLE RESOURCES LTD.

Li-Li-Kel Area

HIAG & PTREX CLAIMS

Chain and Compass Sketch

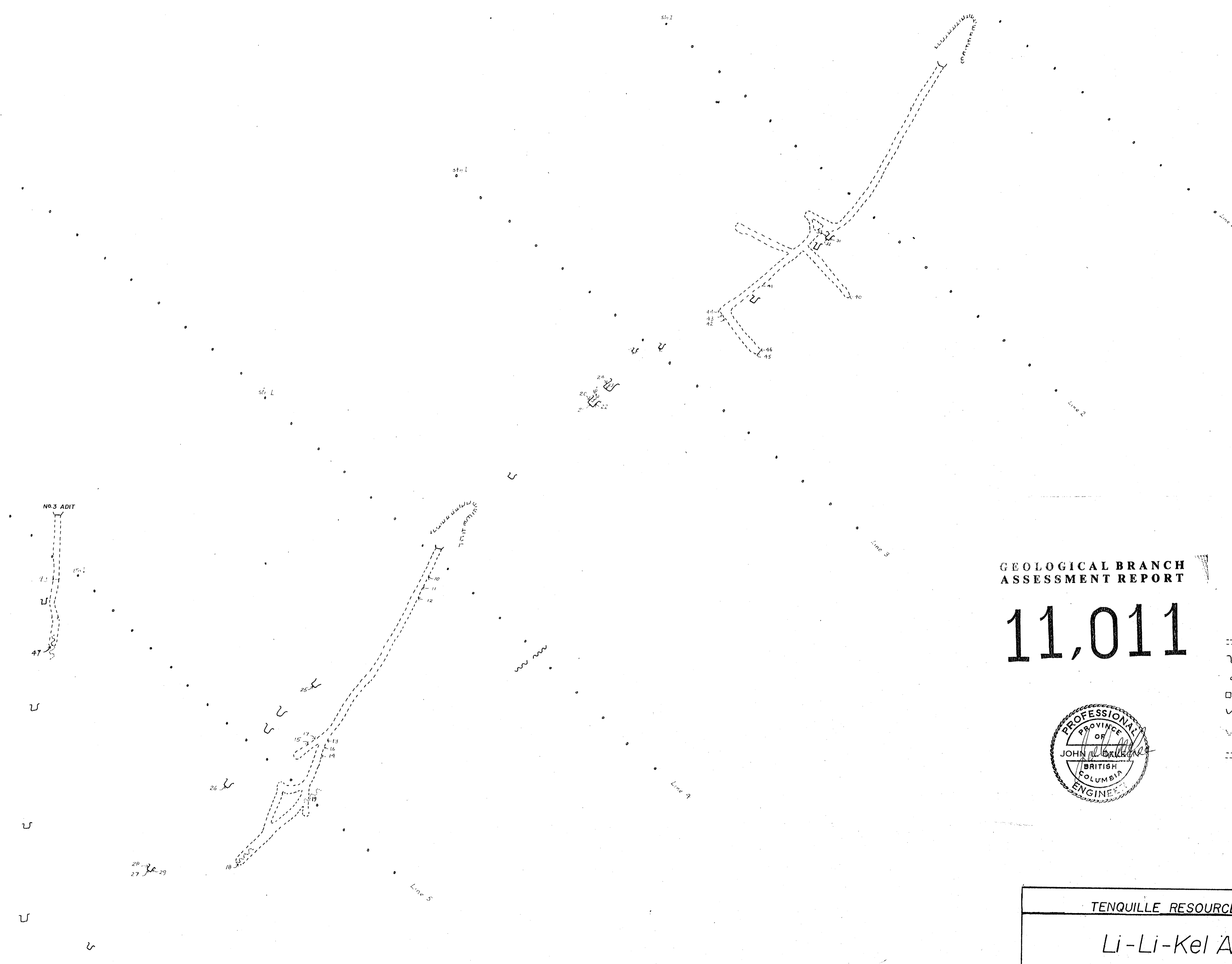
Surface & Underground Samples
by
J.L.DeLeen

Scale 1:600 Sept 1982

Fig. 5

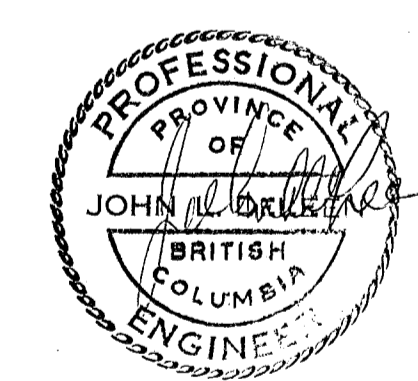


UNDERGROUND				SURFACE				
No	Width	Ag	Au	N°	Width	Ag	Au	
PC82	10	5	2.16	0.031	20	15	0.22	0.002
	11	4.5	3.52	0.026	21	15	2.44	0.044
	12	5	1.03	0.008	22	15	1.14	0.017
	13	6.5	35.7	0.032	23	15	27.40	0.026
	14	5	9.50	0.004	24	15	0.23	0.001
	15	5	0.05	0.001	25	3	11.18	0.019
	16	6	0.14	0.001	26	4	1.48	0.028
	17	6	2.77	0.003	27	0.5	2.93	0.730
	18	3.75	3.40	0.022	28	1	0.64	0.015
	19	8	0.74	0.002	29	26	1.13	0.006
	LOWER ADIT				30	0.5	14.3	1.280
	40	5	0.06	0.001	31	1	192.0	0.085
	41	5	0.05	0.001	32	15	0.25	0.001
	42	1.5	0.15	0.009	33	2		
	43	12.5	0.15	0.001				
	44	2						
	45	2.5	0.11	0.001				
	46	2	0.06	0.001				
	N° 3 ADIT							
	47	4	0.78	0.002				
	48	4	0.05	0.001				
	49	4	0.08	0.001				



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,011



- U/G Workings
- ∩ Surface Trench
- E.M. - Mag. Str.
- Unit Post
- ~ Surface Fault or Shear
- ~ U/G Fault or Shear
- Sample Location

TENQUILLE RESOURCES LTD.

Li-Li-Kel Area

HIAG & PTREX CLAIMS

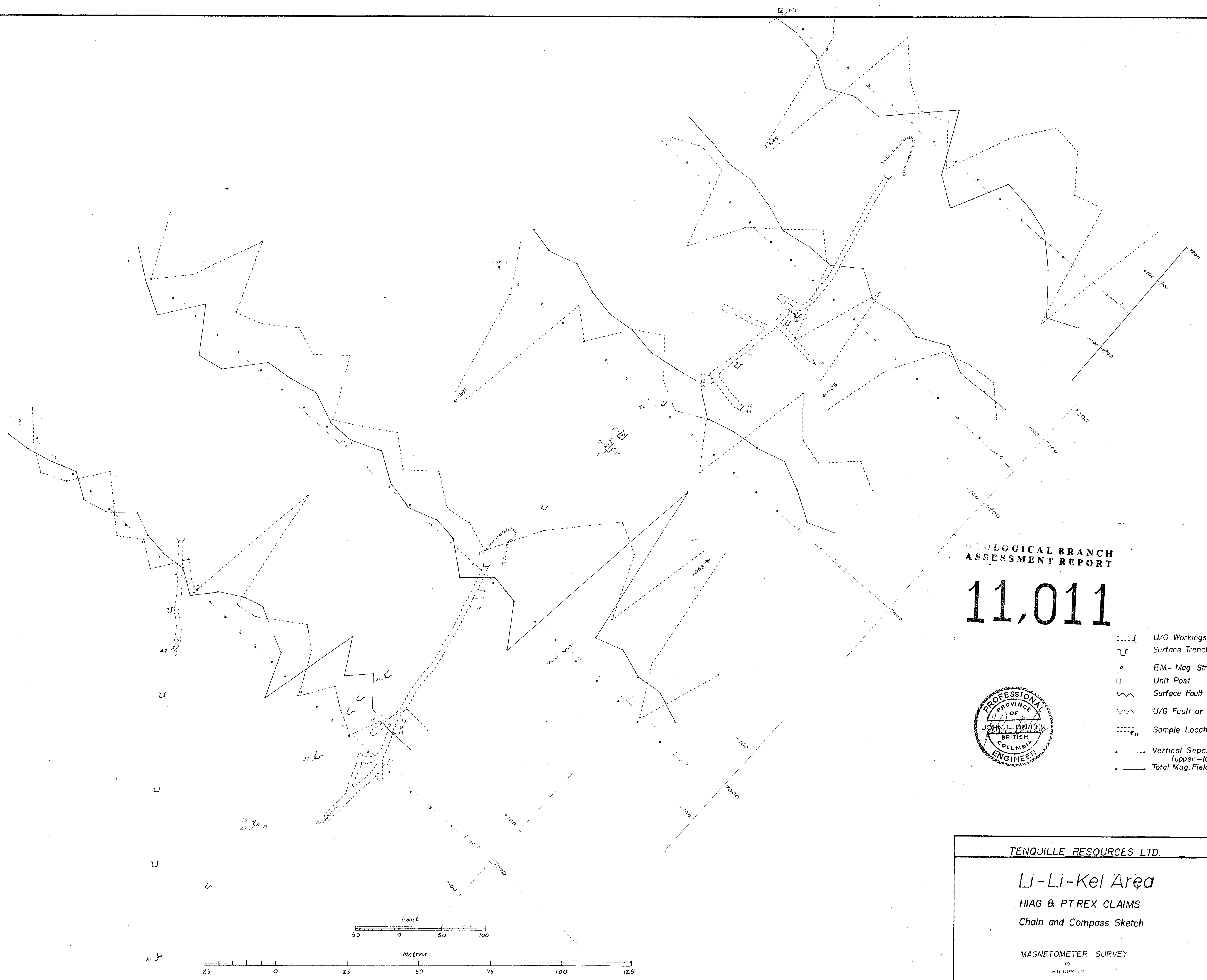
Chain and Compass Sketch

Surface & Underground

Sampling
by
P. G. CURTIS

Scale
1: 600

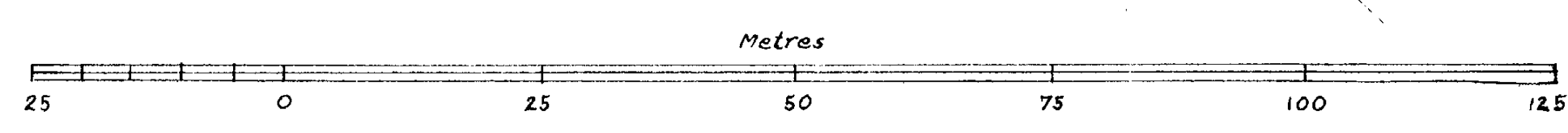
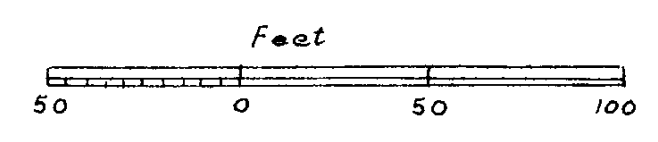
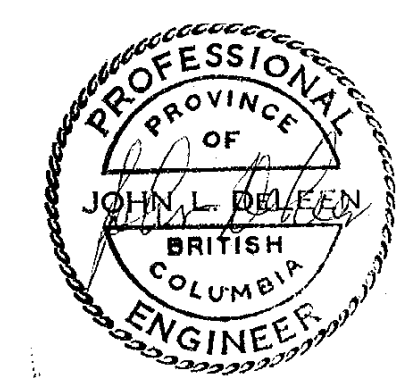
Sept 1982



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,011

- U/G Workings
- Surface Trench
- E.M.- Mag. Stn.
- Unit Post
- Surface Fault or Shear
- U/G Fault or Shear
- Sample Location
- Vertical Separation (upper-lower)
- Total Mag. Field



TENQUILLE RESOURCES LTD.

Li-Li-Kel Area

HIAG & PTREX CLAIMS

Chain and Compass Sketch

MAGNETOMETER SURVEY
by
R.G. CURTIS

Scale
1:600


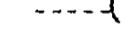


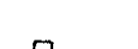
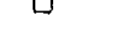
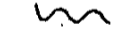
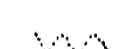
Sept 1982

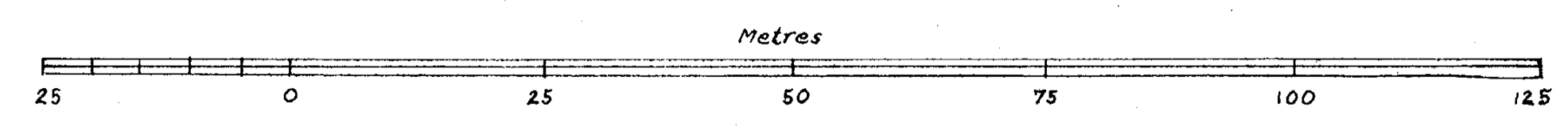
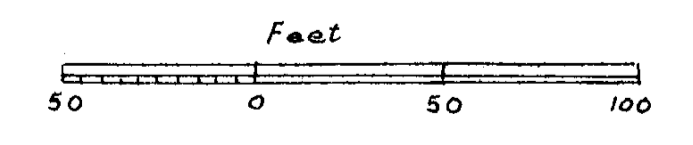
Fig. 7



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,011

-  U/G Workings
-  Surface Trench
-  EM- Mag. Stn.
-  Unit Post
-  Surface Fault or Shear
-  U/G Fault or Shear
-  Sample Location
-  Contoured VLF-EM
After Fraser Filter.



TENQUILLE RESOURCES LTD.

Li-Li-Kel Area

HIAG & PTREX CLAIMS

Chain and Compass Sketch

VLF - EM SURVEY
by
P.G. CURTIS

Scale
1: 600

Sept 1982

Fig. 8