

84-#313 - 12256
5

1984 ASSESSMENT REPORT

GEOCHEMICAL SURVEY

TOR MINERAL CLAIM

(1411)6

QUILCHENA, NICOLA LAKE

NICOLA MINING DIVISION

92 I 2E

50°07' North Latitude

120°34' West Longitude

by

G. V. LLOYD, P.Eng.

Consulting Geologist

for

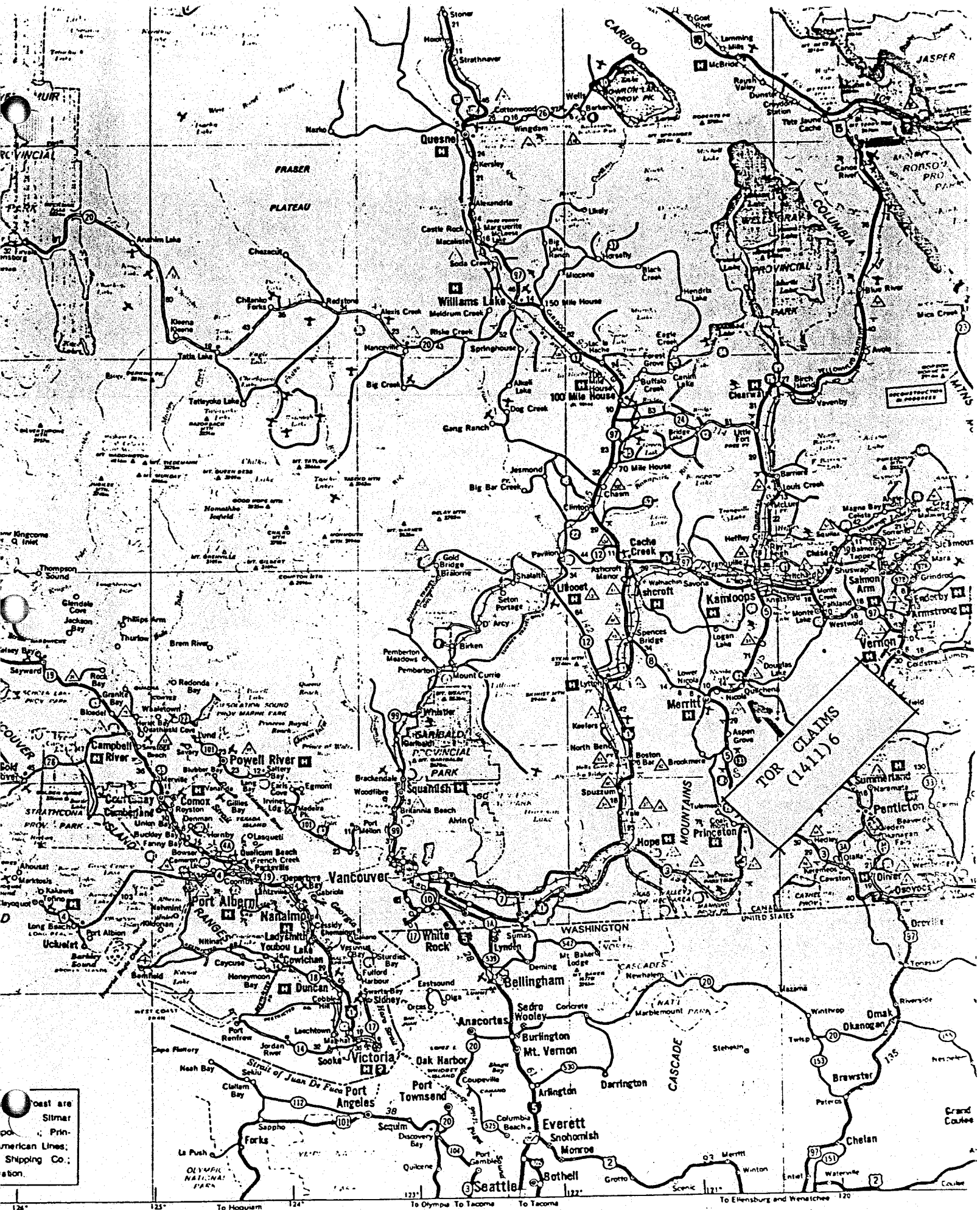
FUTURTEK COMMUNICATIONS INC.
Ste.2207, 500 - 4th Avenue S.W.
Calgary, Alberta T2P 2V6

Dates of work: May 20 to May 24, June 17, 20,
21; Aug.31 to Sept 2, 1983;
April 11, 12, 28, 29, 30, 1984

Date of report: May 15, 1984

12,256

GEOLOGICAL BRANCH
ASSESSMENT REPORT



TOR CLAIMS
(1411)6

Coast are
Sillmer
Prim-American Lines
Shipping Co.
Station.

N I C O Y

Quilchena

4

MICK 3 883(5)	MICK 4 884(5)
MICK 1 881(5)	MICK 2 882(5)
MICK 6 886(5)	MICK 5 885(5)
MICK 8 888(5)	MICK 7 887(5)

V. L.
1096(6)
(48888)

TOR (141)6

AREA OF GEOCHEMICAL SURVEY

RESERVED MIN. LACER,
1/2 MILE EITHER SIDE
U.S. 1326, 19 APR
RELEASE REQUIRED

Teenamilt's Creek

I.R. No 7

C.B.-1
1112(7)
(48848)

NICOLA
739(11)

POSED NICOLA - MERRITT T/L R/W

unabom L.

RB 5
880(5)
(57881)

RB 4
879(5)
(57882)

OLA

THEL 1 1263(7)	THEL 3 1265(7)
THEL 2 1264(7)	THEL 4 1266(7)

(54830)

1098(7)

TP1
774(11)

TP 2
779 (12)

WIL 1
1146(9)
(58881)

MM 3
756 (11)

BOY 1
606(5)

BOY 2
607(5)

BOY 3
608(5)

BOY 4
609(5)

BOY 5
610(5)

BOY 6
611(5)

MM 2
749(10)

L 4782
L 4790
L 3837
L 3835
L 3838
L 5203
L 5202
L 5201
L 5195
L 5194
L 5192
L 5193
L 5191
L 5190
L 5192(11)
L 5193(11)
L 5194(11)
L 5195(11)
L 5196(11)

LEGEND

CROWN-GRANTED MINERAL CLAIM

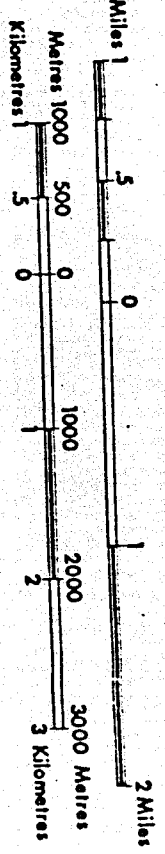
REVERTED C.G. MINERAL CLAIM

FORFEITED MINERAL CLAIM

VERIFIED LEGAL CORNER POST

LEGAL SURVEY

LEGAL CORNER POST & TAG NUMBER QUANT



UNLESS VERIFIED 0
LEGAL CORNER POST IS BASE
OTHER INFORMATION, APPLY T
CONCERNED.
DATE OF MICROFILM: 8

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources



TABLE OF CONTENTS

	<u>Page No.</u>
Introduction	1
Property	2
Location and Access	2
Transportation and Supplies	3
Physiography	3
Water and Power	3
History	4
Geology and Mineralization	5
Geochemical Survey	6
Testing Method	7
Treatment Method	8
Results	9
Conclusions	11
Recommendations	12
References	13
Certificate	14
Geochemical Assay Results	16
Statement of Costs	17

ILLUSTRATIONS

	<u>Scale</u>
Map 1 Location and Claim Map (Index Map)	1:50.000
Map 2 Geochemical Results - Gold	1:5.000

PLATES

- 1A - View to the northwest in northern part of TOR claim. Page 18.
1B - View of central part of TOR Claim in area of geochemical survey.
2A - View to the south in southern part of TOR claim. Page 19.
2B - Typical terrain in uplands of TOR claim.
3A - Typical soil profile, TOR claim. Page 20.
3B - Very thin soil can support substantial trees as shown here in the TOR Claim.

GEOCHEMICAL REPORT

TOR MINERAL CLAIMS

(1411)6

QUILCHENA, NICOLA MINING DIVISION

for

FUTURTEK COMMUNICATIONS INC.

INTRODUCTION

A geochemical-geological survey was conducted on the TOR Mineral Claim during May, June, August, September, 1983 and April, 1984. The purpose of the geochemical survey was to delineate areas of potential subsurface gold mineralization in places covered by residual soil and mantle. In addition, the survey was to provide information to support geological and geophysical data in order to select target zones for diamond drill testing. In addition to the geochemical survey, an examination was made of the rocks and mineral showings within the subject mineral claims, as well as the surrounding area.

This report is based on geochemical data provided to the author by Loring Laboratories Ltd., Calgary.

The field program was conducted at various times in 1983 and 1984, that is, May 20 to 24; June 17, 20, 21; August 31, September 1, 2, 1983, and April 11, 12, 28, 29, 30, 1984.

PROPERTY

The TOR Mineral Claim consists of 18 units staked under the Legal Corner Post system in May of 1983. It covers ground previously held by various companies and individuals during the 1960's and early 1970's.

<u>Claim Name</u>	<u>Record No.</u>	<u>Staked Date</u>
TOR	(1411)6	May 19, 1983.

No investigation of the mineral title and legal aspects was undertaken, and these are regarded as beyond the scope of this report.

LOCATION AND ACCESS

The TOR claim is located about 4.0 kilometers southwest of Quilchena, on the south side of Nicola Lake, in the Nicola Mining Division, in south central British Columbia.

The Legal Corner Post is located near the northwest corner of I.R. No.7, and is about 4.0 kilometers directly south of the south shore of Nicola Lake.

Access is by Highway 5 from Merritt, or from the Merritt-Princeton road by gravel roads leading past Hamilton or Lundbom Lakes. Abandoned logging roads criss-cross this claim. The property is easily accessible by four-wheel drive vehicle in the northern part, and ordinary automobile in the southern part.

Grazing rights are currently held by the Douglas Lake Cattle Company Ltd., of Douglas Lake, B.C.

TRANSPORTATION AND SUPPLIES

Merritt is a small town with complete facilities that lies some 350 km. northeasterly from Vancouver. It is also 95 km. to the southwest of Kamloops.

Merritt is a mining centre for the area and supplies for drilling and development programs are readily available.

PHYSIOGRAPHY

The TOR Claim covers part of a rounded unnamed mountain top that has an elevation of 4500 feet (1372M.). To the north the claim slopes steeply towards Nicola Lake. The southern part of the Claim slopes less steeply towards the south. Relative relief in the claim is about 1500 feet (457 M.). Small rounded hills and gulleys are a distinctive feature.

The claim was originally covered mostly by forest which has been logged and slashed. The southern side has some broad grassy areas.

Exposed rock forms about ten percent of the surficial material.

WATER AND POWER

Sufficient water for a drilling program should be available from ponds and streams, especially in the spring.

Electric power is within one kilometer to the north and another major transmission line lies within one kilometer to the south.

HISTORY

The Merritt area has had a lengthy period of mineral exploration and development that began in the late 1800's. The original exploration and discoveries were of gold and platinum on the Tulameen and Similkameen Rivers to the south. Subsequently, numerous copper occurrences were discovered, and some of these were developed into mines, such as Craigmont, Copper Mountain, Afton and Highland Valley.

Widespread copper showings are known to the south near Aspen Grove, and throughout the general area near the claims.

Gold has long been known to occur in the Quilchena area in the vicinity of the TOR Claims. Near Quilchena, for example, narrow but highgrade quartz veins have been trenched, pitted, blasted, drilled and high-graded for gold, but have never been mined. Exploration on these veins and properties is still actively continuing. As a matter of interest, while we were conducting our geo-chemical survey, the owners of the Sunnyboy Claims were trenching and opening a gold-bearing quartz vein on their property with a back-hoe.

GEOLOGY AND MINERALIZATION

The TOR Claim lies within the Nicola group of Upper Triassic sedimentary and volcanic rocks as is displayed in the following geological legend.

Upper Triassic.	Nicola Group	Reddish to green augite-plagioclase and andesite and basalt flows.
		Diorite, quartz diorite, monzonite and diorite breccia.
		Tuff, generally well-bedded
		Limestone, and calcareous sedimentary rocks.

The rocks within the claim are extensively fractured and faulted, and it is likely that a major branch of the Quilchena fault zone passes through or adjacent to the subject claims.

The only reported mineralization near the TOR claims is recorded by the Ministry of Mines (Preto, 1969, p.88) under the ^{AL}A1 claim, where copper and pyrite have been reported in test pits. The mineralization is described as minor sulphides in narrow shears in intrusives.

We examined these pits and noted the presence of narrow white quartz veins in addition to the foregoing reported minor mineralization, which is mainly chalcopyrite.

GEOCHEMICAL SURVEY

Soils in the TOR Claim may be absent, immature, glacial, transported, and rarely, residual. Depth of weathering varies from nil to significant. The rock exposures form only about ten percent of the surface and the balance is composed of surficial material mainly in narrow sub-parallel gulleys that approximately trend 325 (approx.) degrees. Glacial grooves on the sides of outcrops are fairly common in this area.

The geochemical samples were taken at a uniform depth of 20 to 25 cm.

A shovel was used to displace the topmost humic layer of soil and expose the "B" horizon.

The samples were placed in wet strength bags marked according to the grid established for the sampling program.

A base line was established using the Legal Corner Post and small lake (pond) in the southern part of the Claim. The base line was chain measured, and samples taken at 07 meter intervals where stations had been flagged and marked.

In addition, 119 geochemical soil samples were taken and processed for gold from the area adjacent to the TOR Claim as a means of testing the background values of the geochem results in the vicinity of the subject claim. The results are incorporated into this report, but the costs of this additional work are not claimed as part of the assessment work.

TESTING METHOD

The samples were submitted to Loring Laboratories Ltd. of Calgary, Alberta, for analysis. The procedure for testing was as follows:

A - Soils and Silts

- a) The full soil sample bags are placed in dryer to dry at 105°C.
- b) Each sample is passed through an 80 mesh nylon sieve. The +80 mesh material is discarded.
- c) The -80 mesh sample is placed into a coin envelope and delivered to the laboratory for analysis.

B - Gold Geochems (Soils and Sediments)

1. Weigh 10 g sample to fire assay crucible (carry blank).
2. Place crucibles in fire assay furnace at fusion temperature for 15 minutes.
3. Allow crucibles to cool on steel table.
4. Add 1 tablespoon flux and 1 inquart to each crucible.
5. Fuse for 1/2 hour at fusion temperature.
6. Pour pots, remove slag and cupel.
7. Place beads into 50 ml flasks.
8. Pipette stds. and blank into 50 ml flasks.

1 ml of 10 ppm	=	1000 ppb
1 ml of 5 ppm	=	500
1 ml of 1 ppm	=	100
0 ml	=	0

TESTING METHOD (cont.)

9. Add 5 mls H₂O, 2 mls HNO₃ and place on 1 switch plate for 5 minutes. Take off plate. Add 5 mls HCl.
10. Digest until total dissolution approximately 1/2 hour.
11. Bulk flasks to approximately 25 mls with distilled H₂O. Cool to room temperature.
12. Add 5 mls MIBK. Stopper and shake each flask for exactly 1 minute.
13. Allow MIBK to settle.
14. Set 1100 AA unit as follows:
 - mu - 2428
 - slit - .5
 - lamp MA - 3
 - flame - air-acetylene - extremely lean
- Stds. 100 ppb - 10
- 1000 ppb - 100
- 500 ppb - reading
15. Report directly in ppb. Detection limit 5 ppb at reading of .5.

*-1 - for rock geochems steps 2 and 3 can be eliminated.

*-2 - it is important to maintain as closely as possible standard conditions for all samples and standards in a series.

Reagents & Material

- MIBK - 4-Methyl-2-Pentanone
- HCl - conc
- HNO₃ - conc
- Flux - 2980 g PbO
- 777 g Na₂CO₃
- 68 g Na₂B₄O₇
- 68 g SiO₂
- 167 g Flour

TREATMENT METHOD

Statistical analysis were used to determine the background value, subanomalous values, and the anomalous values of the geo-chemical assay results.

The results were as follows:

	<u>PPB/AU</u>
Background value	less than 5
Sub-anomalous value	6 - 24
Anomalous value	greater than 25

The geochemical results were plotted on a base map, and are shown on a map prepared to accompany this report.

The interested reader is referred to Bulletin 280 of the Geological Survey of Canada entitled The Geochemistry of Gold and Its Deposits by R. W. Boyle. The chapter dealing with Geochemical methods (p.452) is particularly relevant to this present report.

RESULTS

Our interpretation of the geo-chemical results incorporates the following geological concepts:

- 1.) In the nearby Crown Grant Lots the gold mineralization is confined to quartz veins which are narrow, more or less vertical, trend 315°, and are poorly exposed in a host rock of dark green brecciated and fractured volcanics.
- 2.) Fractures are a characteristic feature of these volcanics. The fractures are closely spaced, irregular, closed, with smooth flat and curved surfaces many of which are stained with red or brown iron oxides. They are probably related to faults. The rock appears to be shattered.
- 3.) The TOR claim is characterized by alluvial covered eroded grooves, or channels some of which trend 325° (or approximately parallel to the gold-bearing quartz veins in the Crown Grants on the eastern border), and others trend northerly. The rocks in these covered areas are not exposed, but there is a strong possibility that they represent highly fractured or faulted bedrock areas that have been scooped out by weathering and glacial action. These grooves are also likely places for quartz veins or vein swarms to occur.
- 4.) The local relief is steep but low. The area is part of the Thompson Plateau and is relatively dry. Mineral diffusion within the soil is not expected to be large, and any anomalous area must be regarded as significant.

In view of the foregoing, a comprehensive geochemical program was initially planned, however, budget restrictions forced us to focus sharply on the problem of outlining gold indications in the mantled areas in the central part of the TOR claims in close proximity to suspected fault zones. The results are as follows:

The best results are apparent in the southern part of Line "T". Between Sample Stations T-1 and T-19 (a distance of 133m.) values are mostly above background and in the sub-anomalous range of values with one (T-17) in the anomalous category.

Two other samples (T-81, T-88) are anomalous.

CONCLUSIONS

There is a history of mineral exploration in vicinity of the TOR claims. Gold has been discovered in the nearby Crown Grants to the east, and minor copper showings occur adjacent to the claims.

Molybdenite has also been reported nearby. One of the copper showings near the claim has been pitted and trenched but with poor results.

Rocks are only poorly exposed in these claims, and about 90 percent of the terrain is covered by soil and vegetation.

The geological environment of the claim includes a major fault zone, minor faults, intrusive diorite contacts and pendant remnants as well as submarine pillow lavas, interbedded marine sediments including iron formations, and several gossans. These are in the Triassic Nicola Group which is well known as a host for commercial ore bodies in this part of British Columbia.

The net result is that the TOR Claim is in an area where mineral deposits can be expected to occur.

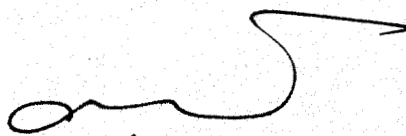
The area is easily accessible, power and water are nearby, and the business infrastructure is already in place.

The geochemical survey results are regarded as inconclusive mainly because of the relatively small numbers of samples compared with the area of the claim. They do, however, indicate some anomalous values along line "T" which, when compared with the broad areas nearby of little or no geochem gold results, indicate that the covered areas in the TOR claim should be investigated in greater detail.

RECOMMENDATIONS

- 1.) Expand the geochemical survey to completely cover the TOR Claim.
- 2.) Prepare a geological map of the property outlining quartz vein occurrences in detail, with emphasis on structure and stratigraphy.
- 3.) Conduct a magnetometer survey of the claim.
- 4.) Use a backhoe to open anomalous areas.
- 5.) Combine the foregoing results to delineate areas of prospective mineral zones that might be suitable targets for the diamond drill.

Respectfully submitted,



Griffin V. Lloyd, P.Eng.
Consulting Geologist

Dated at Calgary, Alberta
this 11 day of May, 1984.

REFERENCES

- COCKFIELD, W.E. (1948): Geology and Mineral Deposits of Nicola Map - Area, B.C. Geological Survey, Canada, Memoir 249
- HEMSWORTH, F.J. (1966): Magnetometer Report on the Ruth-Esther Claims Assessment Report No.748
- (1966): Magnetometer Report on the Rick Claims Assessment Report No.763
- MITCHELL, J.A. (1967): Geochemical Survey Report on the Mouse Group V Claims Assessment Report No. 1053
- (1968): Amended Report on Claims of Quilchena Mining and Development Co. Ltd., Private Report, February 22, 1968.
- (1969): Geophysical, Geological Survey Report on the Mouse Group I and II Claims, Assessment Report No.1798.
- PRETO, V.A. (1974): Preliminary Map No. 15 (Sheets 1, 2, 3, 4, 5) June 1974, Department of Mines and Petroleum Resources.
- (1975): Preliminary Map No. 18, May 1975 Department of Mines and Petroleum Resources.
- (1979): Geology of the Nicola Group between Merritt and Princeton Ministry of Energy, Mines and Petroleum Resources, Bulletin 69.

REFERENCES - Cont'd.

- RENSHAW, R.E. (1966): Geochemical Report on the Eve Group of Claims Assessment Report No. 795
- SCHAU, M.P. (1968): Geology of the Upper Triassic Nicola Group in South Central B.C. Unpublished Ph.D. Thesis, U.B.C.
- WHITE, W.H. (1949): Guichon Report of Ministry of Mines, 1949. Pages A120 - A124

CERTIFICATE

I. Griffin Vaughn Lloyd, of the City of Calgary, in the Province of Alberta, do hereby certify the following:

- 1.) That I am a graduate in geology from the University of British Columbia (1951), and that I also did post-graduate studies in geology at the same university (1953).
- 2.) That I have been employed continuously as a geologist since graduation, and have held positions of responsibility with several companies.
- 3.) That I have been employed as a consulting geologist since 1968.
- 4.) That I am a registered professional engineer with the Association of Professional Engineers of British Columbia.
- 5.) That I personally supervised on the ground, the geochemical survey described in this report during May, August and September, 1983, and April, 1984, and examined many of the outcrops in the TOR Claim.



Griffin Vaughn LLOYD, P.Eng.
Consulting Geologist

May 1, 1984

CALGARY, ALBERTA

STATEMENT OF COSTS

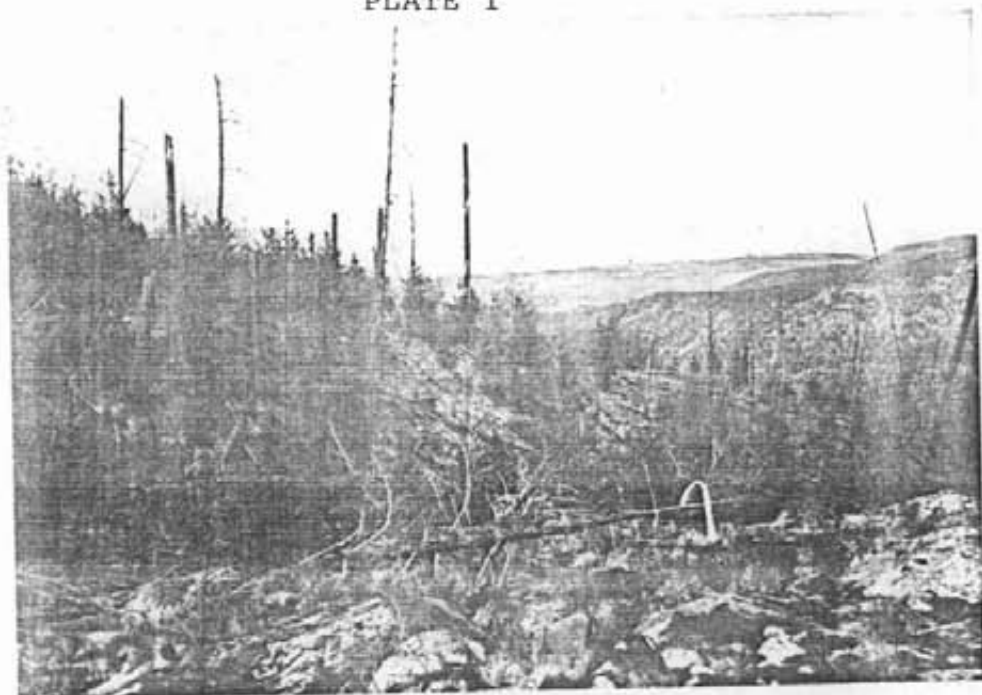
TOR CLAIM (1411)6

1983 - 1984

The geochemical surveys and geological examinations were conducted at a cost of about \$7,332 , itemized as follows:

a)	1983: May 20, 21, 22, 23, 24; June 17, 20, 21 August 31 September 1, 2	
b)	1984: April 11, 12, 28, 29, 30 May 14, 15	
c)	Ground geochemical surveys; surveying grid, collecting soil samples, sample preparation; geological examinations in claims, prospecting for mineral occurrences, travelling, and related expenses: 4 days @ \$60/day for one man 6 days @ \$120/day for two men Professional fees - 7 days @ \$350	\$ 240.00 720.00 2,450.00
d)	Food and Accommodation: Food @ \$18/day per man (28 M/D) Accommodation @ \$32/night for 14 nights	\$ 504.00 448.00
e)	Transportation: Vehicle Rental 18 days @ \$40.00 Fuel	\$ 720.00 350.00
f)	Analysis (Fire Assay, AA Finish)	\$ 705.00
g)	Report preparation	\$ 495.00
h)	Report Compilation: Professional Services 2 days @ \$350	\$ <u>700.00</u>
		<u>\$7,332.00</u>

PLATE I

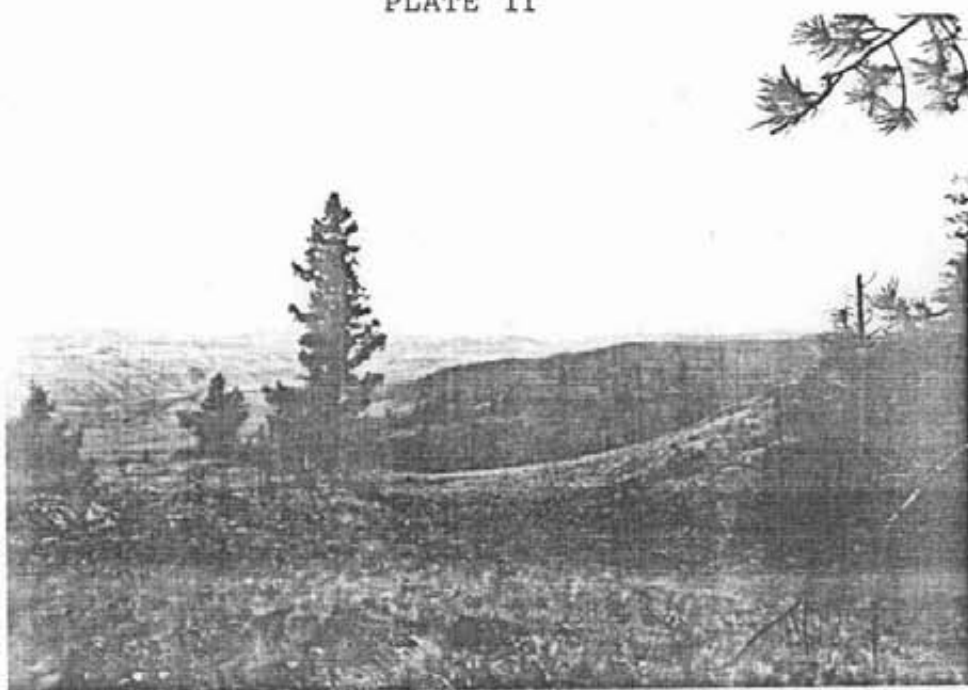


A - View to the northwest in northern part of TOR Claim

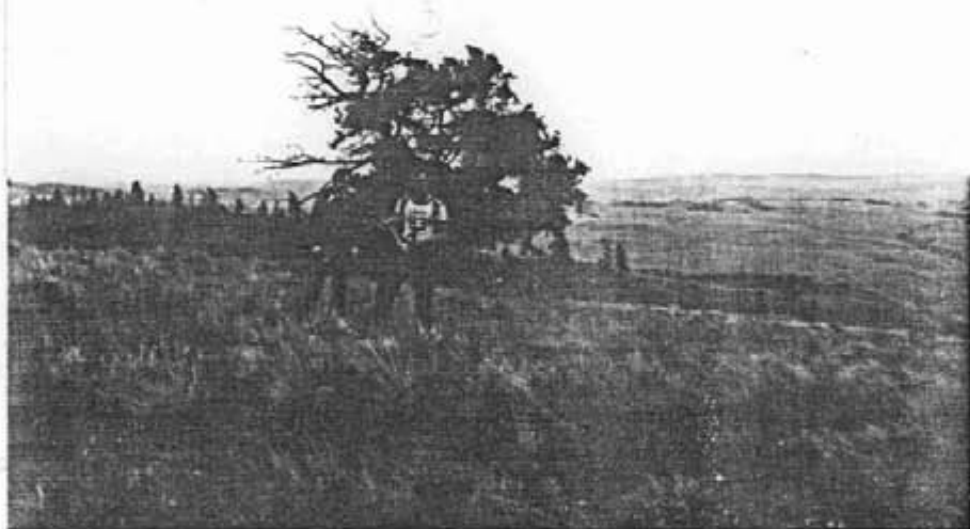


B - View of central part of TOR claim in area of geochemical survey

PLATE II



A - View to the south in southern part of TOR Claim

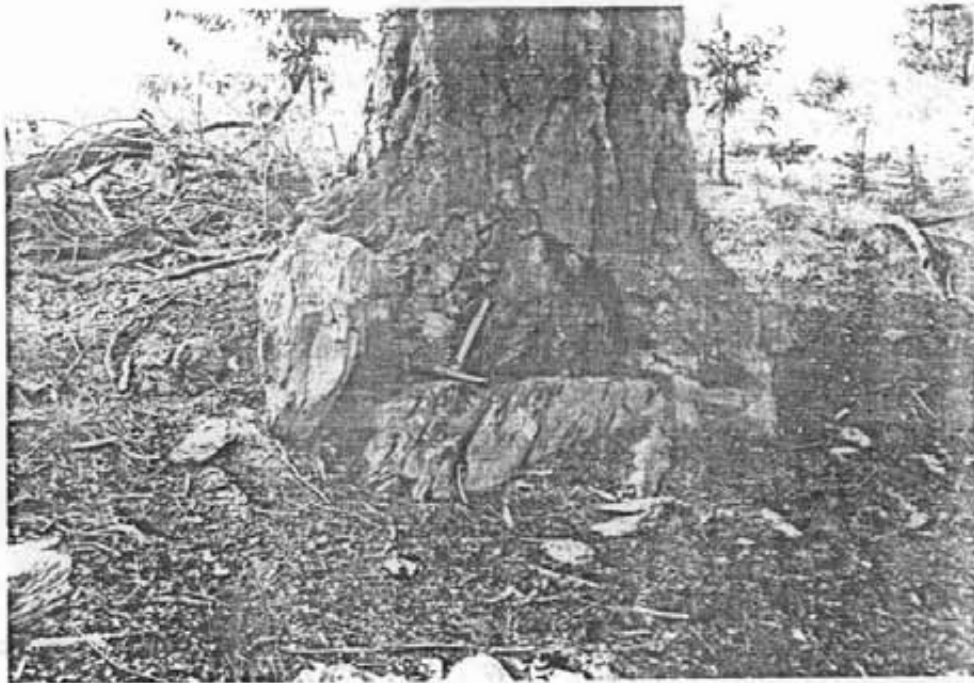


B - Typical terrain in uplands of TOR Claim

PLATE III



A - Typical soil profile, TOR Claim.



B - Very thin soil can support substantial trees as shown here in the TOR Claim

Photos by G. V. Lloyd, May, 1983

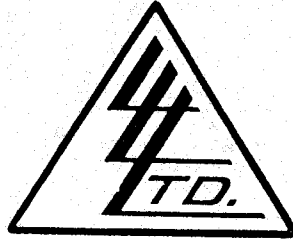
To: FUTURETECH COMMUNICATIONS INC

2207 Suncor Tower

500 - 4th Avenue S.W.,

Calgary, Alberta

Attn: G. Kendall



File No. 26198

Date May 7, 1984

Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPB Au
<u>"Geochemical Analysis"</u>	
T-1	15
T-2	15
T-3	20
T-4	10
T-5	20
T-6	5
T-7	Nil
T-8	25
T-9	20
T-10	20
T-11	25
T-12	Nil
T-13	30
T-14	15
T-15	15
T-16	5
T-17	45
T-18	Nil
T-19	10

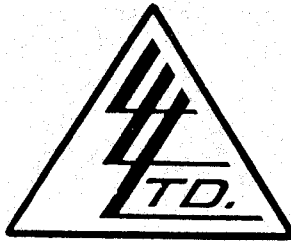
I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.

Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: FUTURETECH COMMUNICATIONS INC
2207 Suncor Tower
500 - 4th Avenue S.W.,
Calgary, Alberta
Attn: G. Kendall



File No. 26198
Date May 7, 1984
Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

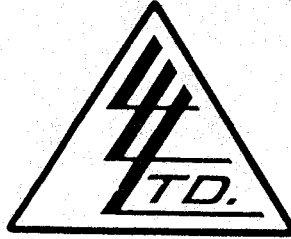
SAMPLE No.	PPB Au
<u>"Geochemical Analysis"</u>	
T-20	Nil
T-21	5
T-22	Nil
T-23	Nil
T-24	Nil
T-25	Nil
T-26	Nil
T-27	Nil
T-28	Nil
T-29	20
T-30	Nil
T-31	Nil
T-32	25
T-33	5
T-34	Nil
T-35	Nil
T-36	Nil
T-37	Nil
T-38	Nil
T-39	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: FUTURETECH COMMUNICATIONS INC
 2207 Suncor Tower
 500 - 4th Avenue S.W.,
 Calgary, Alberta
 Attn: G. Kendall



File No. 26198
 Date May 7, 1984
 Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPB Au
<u>"Geochemical Analysis"</u>	
T-40	5
T-41	Nil
T-42	Nil
T-43	5
T-44	Nil
T-45	Nil
T-46	Nil
T-47	5
T-48	Nil
T-49	Nil
T-50	Nil
T-51	5
T-52	Nil
T-53	Nil
T-54	Nil
T-55	5
T-56	Nil
T-57	Nil
T-58	Nil
T-59	Nil

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

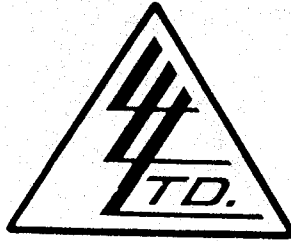
To: FUTURETECH COMMUNICATIONS INC

2207 Suncor Tower

500 - 4th Avenue S.W.

Calgary, Alberta

Attn: G. Kendall



File No. 26198

Date May 7, 1984

Samples Soil

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 4

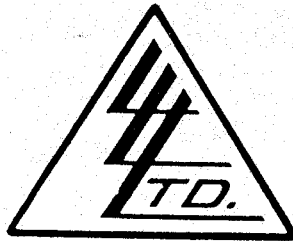
SAMPLE No.	PPB Au
<u>"Geochemical Analysis"</u>	
T-60	Nil
T-61	Nil
T-62	5
T-63	10
T-64	Nil
T-65	Nil
T-66	Nil
T-67	15
T-68	Nil
T-69	Nil
T-70	5
T-71	Nil
T-72	Nil
T-73	Nil
T-74	Nil
T-75	Nil
T-76	Nil
T-77	Nil
T-78	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: FUTURETECH COMMUNICATIONS INC
2207 Suncor Tower
500 - 4th Avenue S.W.,
Calgary, Alberta
Attn: G. Kendall



File No. 26198
Date May 7, 1984
Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	PPB' Au
<u>"Geochemical Analysis"</u>	
T-79	Nil
T-80	5
T-81	45
T-82	Nil
T-83	Nil
T-84	Nil
T-85	Nil
T-86	Nil
T-87	Nil
T-88	30
T-89	5
T-90	Nil
T-91	5
T-92	Nil
T-93	Nil
T-94	Nil
T-95	5
T-96	Nil
T-97	Nil

I *Hereby Certify* THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

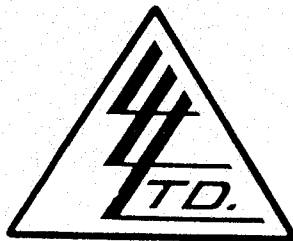
To: FUTURETECH COMMUNICATIONS INC

2207 Suncor Tower

500 - 4th Avenue S.W.,

Calgary, Alberta

Attn: G. Kendall



File No. 26198

Date May 7, 1984

Samples Soil

Certificate of
ASSAY of

LORING LABORATORIES LTD.

Page # 6

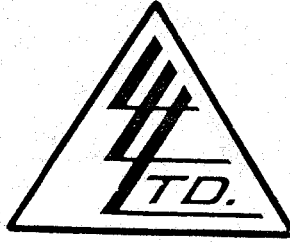
SAMPLE No.	PPB Au
<u>"Geochemical Analysis"</u>	
T-98	5
T-99	Nil
T-100	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: GRIFF LLOYD,
607 Willowbrook Drive S.E.,
Calgary, Alta.



File No. 24827
Date June 16, 1983
Samples Soil

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 1

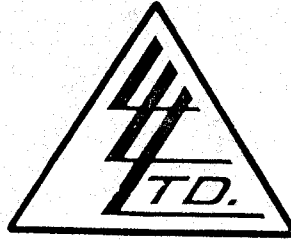
SAMPLE No.	ppb Au
<u>"Soil Samples"</u>	
AN-01	Nil
02	5
03	Nil
04	Nil
05	5
06	5
07	5
08	5
09	5
10	Nil
11	5
12	5
13	5
14	5
15	Nil
16	5
17	Nil
18	Nil
19	Nil
20	5
21	Nil
CN-01	5
02	Nil
03	Nil
04	Nil
05	Nil
06	Nil
07	5
08	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: GRIFF LLOYD,
607 Willowbrook Drive S.E.,
Calgary, Alta.



File No. 24827
Date June 16, 1983
Samples Soil


Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

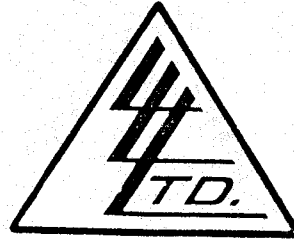
SAMPLE No.	ppb Gold
CN-09	5
10	10
11	5
12	5
13	Nil
14	5
15	5
16	5
17	5
18	Nil
19	Nil
20	Nil
DN-01	Nil
02	5
03	Nil
04	Nil
05	5
06	Nil
07	Nil
08	Nil
09	Nil
10	Nil
11	5
12	Nil
13	10
14	Nil
15	Nil
16	Nil
17	Nil
18	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.


Assayer

To: GRIFF LLOYD,
607 Willowbrook Drive S.E.,
Calgary, Alta.



File No. 24827
 Date June 16, 1983
 Samples Soil

Certificate of
ASSAY OF
LORING LABORATORIES LTD.

Page # 3

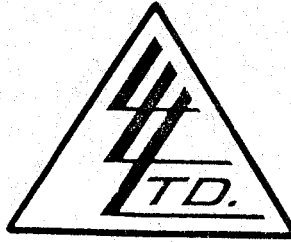
SAMPLE No.	ppb Au
DN-19	Nil
20	Nil
21	5
AS-01	5
02	35
03	5
04	5
05	20
06	5
07	Nil
08	Nil
09	Nil
10	5
11	70
12	5
13	10
14	5
15	5
BS-01	5
02	5
03	Nil
04	10
05	Nil
06	10
07	5
CS-01	5
02	5
03	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: GRIFF LLOYD,
 607 Willowbrook Drive S.E.,
 Calgary, Alta.



File No. 24827
 Date June 16, 1983
 Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 4

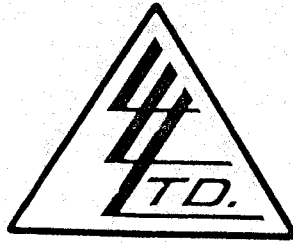
SAMPLE No.	ppb Au
CS-04	5
05	Nil
06	Nil
07	10
DS-01	5
02	5
03	10
04	Nil
05	10
06	5
07	5
BN-01	Nil
02	5
03	5
04	10
05	5
06	10
07	Nil
08	Nil
09	Nil
10	Nil
11	Nil
12	5
13	5
14	5
15	5
16	Nil
17	5
18	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Assayer

To: GRIFF LLOYD,
607 Willowbrook Drive S.E.,
Calgary, Alta.



File No. 24827
Date June 16, 1983
Samples Soil

Certificate of
ASSAY of
LORING LABORATORIES LTD.

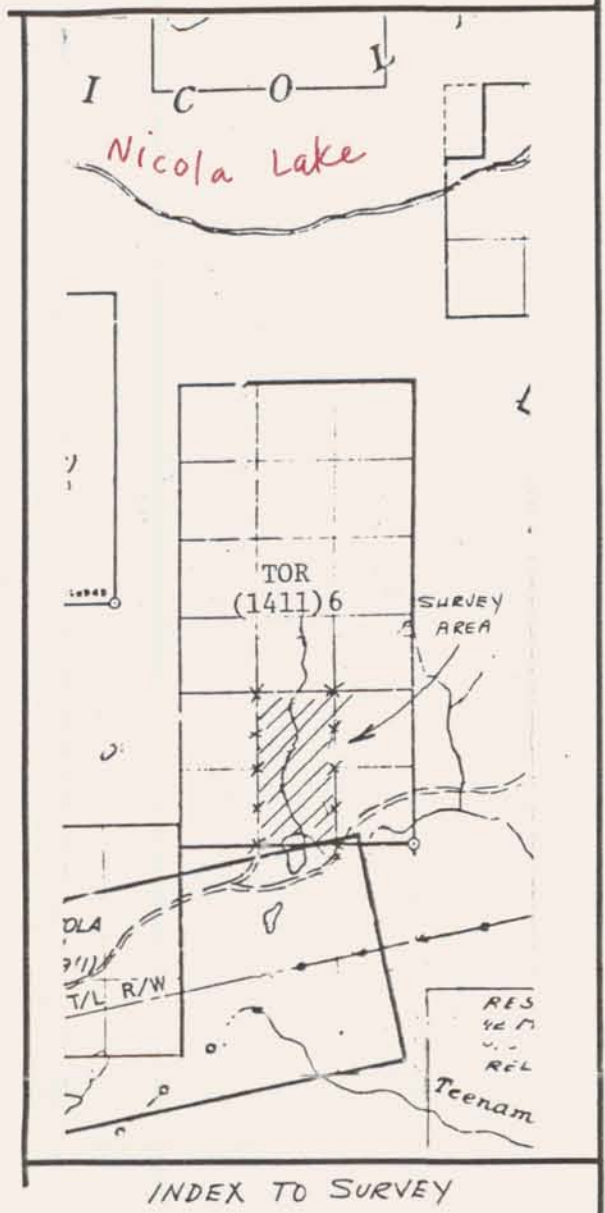
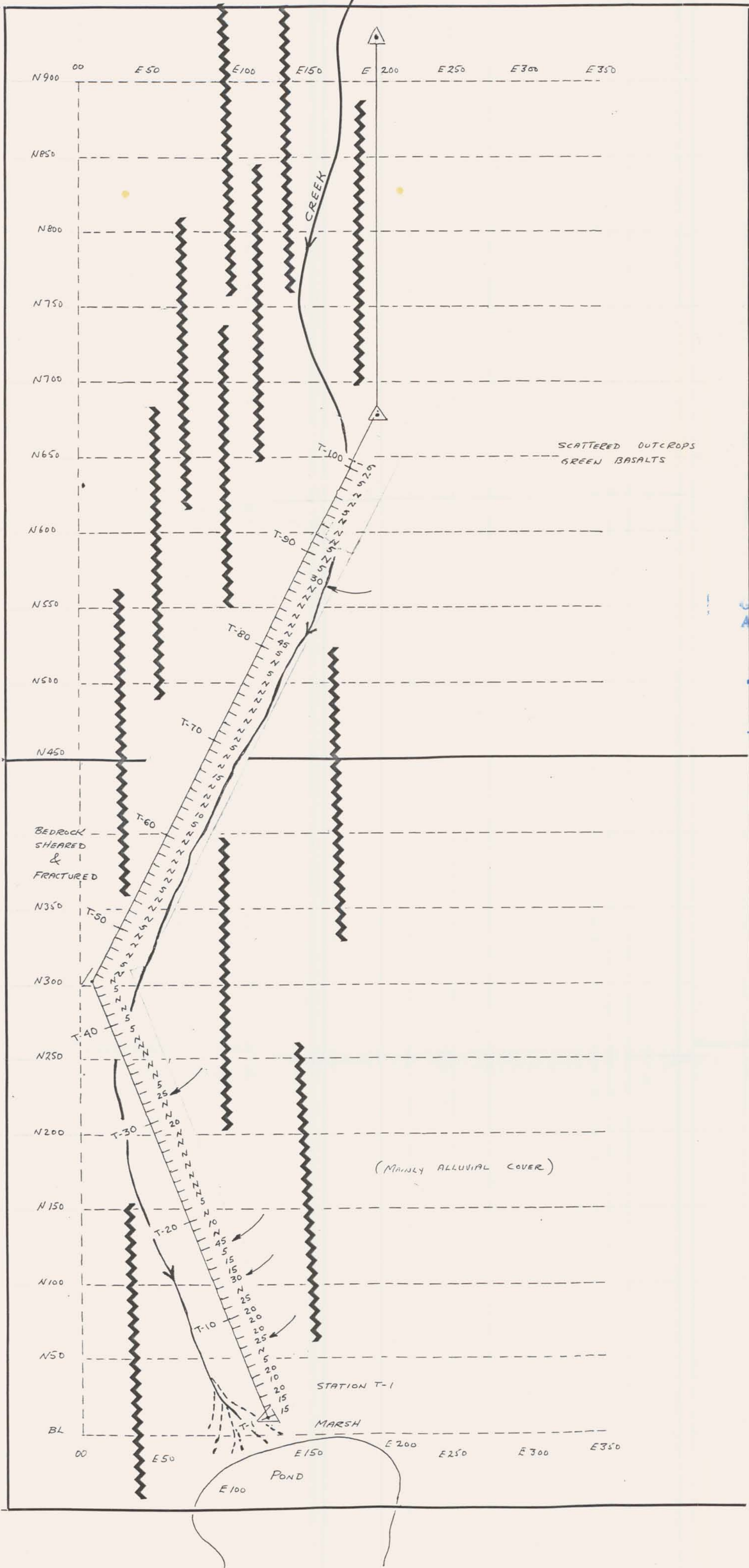
Page # 5

SAMPLE No.	ppb Au
BN-19	10
20	5
21	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

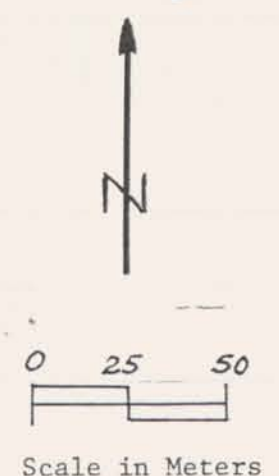
[Signature]
Assayer



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

12,256

G.V. Lloyd, P. Eng.



GEOCHEMICAL SURVEY 1983 - 1984
TOR CLAIM (1411) 6 NTS 921/2E NICOLA M.D.
Gold Values N = NIL 10 = PPB Zone of Interest
Prepared to Accompany Report by G.V.Lloyd for FUTURTEK COMMUNICATIONS INC. CALGARY, ALBERTA May, 1984