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RISE RESOURCES INC.

GEOCHEMICAL AND GEOPHYSICAL REPORT  
 ON THE WINGDAM (LIGHTNING CREEK) PROSPECT  
 CARIBOO MINING DIVISION, B.C.

NTS 93 A/13W, 93 B/16E  
 NTS 93 G/1W, 93 H/4W

GOVERNMENT AGENT  
**RECEIVED**

FEB 08 1988

By

R.A. Gonzalez, M.Sc., F.G.A.C.  
 Kent Akhurst, B.Sc. Geology

QUESNEL, B.C.

JANUARY 1988

CLAIMS WORKED

CLAIM NAME	UNITS	RECORD NO.	ANNIVERSARY
FREE	20	7366	FEBRUARY
WING	12	7402	MARCH
HY	4	7410	MARCH
RAM#1 (2-POST)	1	7785	JULY
RAM#2 (2-POST)	1	7786	JULY
RAM#3 (2-POST)	1	7787	JULY
RAM#4 (2-POST)	1	7788	JULY
WINGDAM	16	7810	JULY
DAM	20	7938	SEPTEMBER
WING 2	20	8370	APRIL

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

FILMED

17,010

LOCATION:

53° 02' N, 121° 58' W

OWNERS:

JOHN C. BOT and DONALD C. ULETT

OPERATOR:

RISE RESOURCES INC.

CONSULTANT:

ARCHEAN ENGINEERING LTD.

PROJECT GEOLOGIST:

KENT AKHURST

**GEOCHEMICAL AND GEOPHYSICAL REPORT  
ON THE WINGDAM (LIGHTNING CREEK) PROSPECT**

**SUMMARY**

The Wingdam (Lightning Creek) prospect totals 8 Modified Grid claims comprised of 120 units, and 14 two-post claims. The property is located approximately 45 km east of the city of Quesnel in central British Columbia. A programme of linecutting, soil sampling and a detailed magnetometer and VLF EM-16 survey were carried out by Mark Management Limited for the property operator, Rise Resources Inc.

Results of the magnetometer survey delineated some areas of interest. Due to poor soil development soil sample assay results were inconclusive.

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Map 3	VLF EM-16 Filtered Data, Baseline 1	Pocket
Map 4	Plotted Soil Sample Results, Baseline 1	Pocket
Map 5	Total Field Magnetic Susceptibility, Baseline 2	Pocket
Map 6	VLF EM-16 Raw Data, Baseline 2	Pocket
Map 7	VLF EM-16 Filtered Data, Baseline 2	Pocket
Map 8	Plotted Soil Sample Results, Baseline 2	Pocket
Map 9	Total Field Magnetic Susceptibility, Baseline 3	Pocket
Map 10	Plotted Soil Sample Results, Baseline 3	Pocket

RISE RESOURCES INC.

**LIGHTNING CREEK PROPERTY**

CARIBOO MINING DIVISION, B.O.

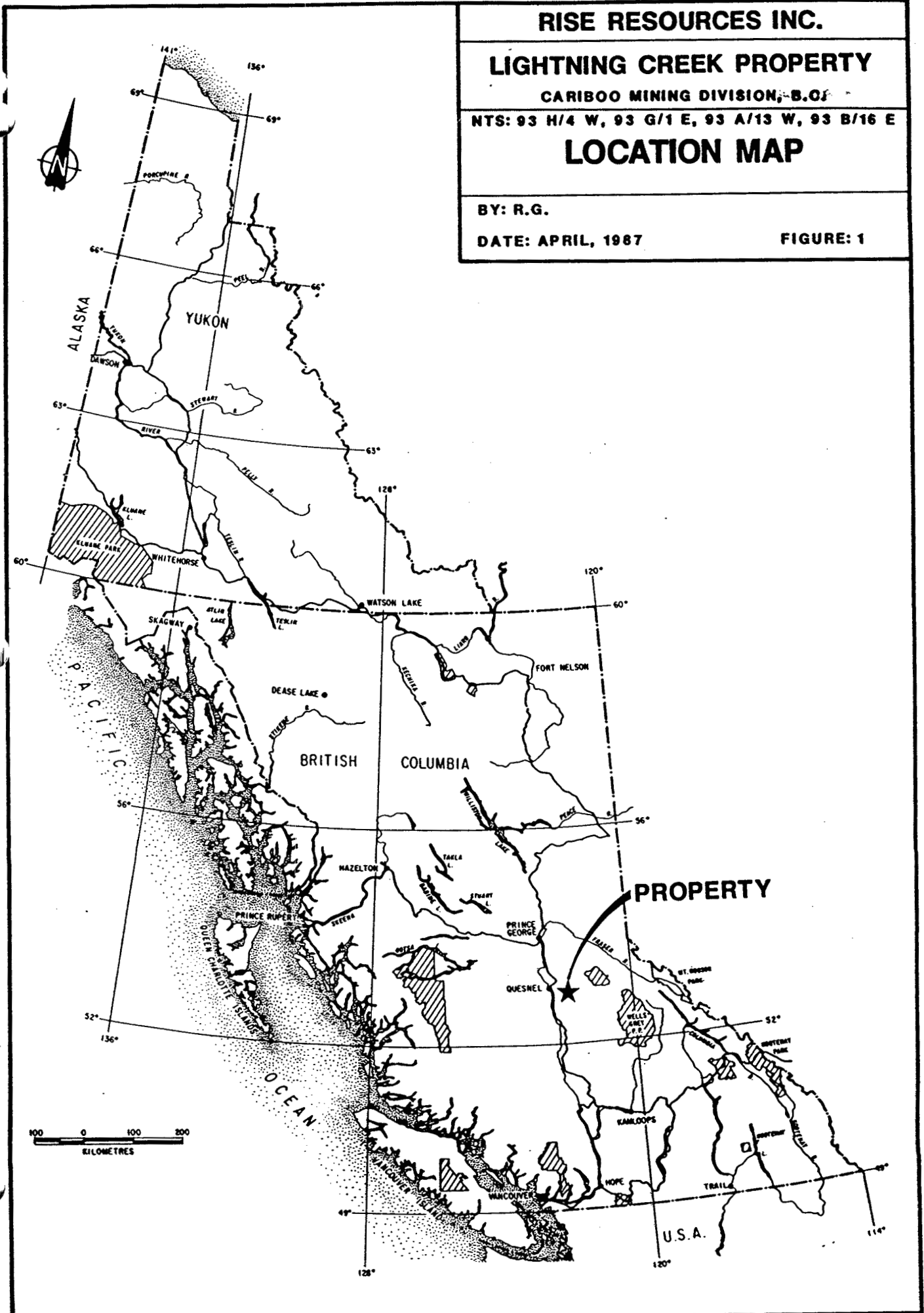
NTS: 93 H/4 W, 93 G/1 E, 93 A/13 W, 93 B/16 E

**LOCATION MAP**

BY: R.G.

DATE: APRIL, 1987

FIGURE: 1



**WINGDAM (LIGHTNING CREEK) PROSPECT  
CARIBOO MINING DIVISION  
NTS 93 A/13W, 93 B/16E  
NTS 93 G/01E, 93 H/04W**

**1.0 INTRODUCTION**

The Wingdam Prospect is a gold prospect located in the historic Cariboo Gold District in central British Columbia.

Between August 27 and October 31, 1987 a geophysical reconnaissance programme was undertaken to define and expand targets delineated by an aerial survey that had been flown earlier in the year by Aerodat Limited of Mississauga, Ontario. Areas of interest found by this programme were then soil sampled. In anticipation of next year two drill access roads have been constructed.

**1.1 LOCATION AND ACCESS**

The Wingdam (Lightning Creek) prospect is located approximately 45 km east of the city of Quesnel, the principal supply centre in the area and 25 km west of the village of Wells (Figure 1). The property covers an area of approximately 120 km<sup>2</sup>, most of which is mountainous terrain. Relief ranges from 880 m (2900 feet), along Lightning Creek, to over 1310 m (4300 feet) near the southeast corner of the property.

Terrestrial co-ordinates for the center of the property are;

53° 02' North Latitude  
122° 58' West Longitude

Access to the property is along the paved Quesnel-Barkerville Highway (B.C. No. 26) which is located along the north side of Lightning Creek. Two forestry roads run south from this highway, allowing easy access to the northern portion of the property.

## 1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE

The Wingdam (Lightning Creek) property is located in a region transitional between the Interior Plateau of the Intermontane Belt to the west and the Cariboo Mountains to the east. The claims straddle the boundary between the Quesnel Trough and the Omenica Crystalline Belt in the central portion of the province within the physiographic division known as the Intermontane Plateau. The Interior Plateau is characterized by a rolling upland surface at an altitude of approximately 1825 m (6000 feet) and with a regional dip of about 14 m per km to the southwest. This surface bevels all pre-Tertiary formations. Surrounding the claims, the undulations of the upland surface are related to lithology, the highest areas being underlain by quartzite, conglomerate, chert, or diabase, and most of the lower hills by phyllites or limestone. The surface is moderately well dissected, with a local relief of about 600 m (2000 feet). The Cariboo Mountains proper seem to represent the complete and deep dissection of this surface to a stage at which local relief is as great as 1825 m.

All creeks and tributaries show a markedly irregular pattern owing to the deep dissection and various controlling factors that seem to be related to lithology and structure. The valleys are narrow and steep-sided in the upper parts, but locally have the U-shaped cross section of glaciated valleys. They broaden in the lower parts, where they are deeply drift-filled and have alluvial flats with a general elevation of about 1200 m.

Tree line is at approximately 1,900 m (6300 feet), but below this level, the area is well timbered. In order of abundance the common trees are, white and black spruce, aspen and balsam poplar, white birch lodgepole pine and western cedar. In wet areas, and along stream courses alder, aspen and dwarf birch as well as willow and minor stunted buckbrush are encountered.

## 1.3 CLAIM INFORMATION

### CLAIM STATUS

The Wingdam (Lightning Creek) prospect is located in the Cariboo Mining Division and is comprised of 8 Modified Grid claims, totalling 120 units, and 14 two-post claims.

The claims were optioned from Mr. John C. Bot of Quesnel, B.C. Several of the claims represent over-staking, and the total area covered by the claim block is approximately 30 km<sup>2</sup>.





All claims are contiguous except for Mac 1 to Mac 4 which are located along Naver Creek, 45 kilometres to the northwest and Angus, which is separated from the rest of the claim block by the Dang claims (see Figure 2). Claim information is listed below:

**TABLE 1**

**CLAIM STATUS**

<b>CLAIM NAME</b>	<b>UNITS</b>	<b>RECORD NO.</b>	<b>ANNIVERSARY DATE</b>
MOST	20	7253	JANUARY 13
LIGHT#1 (2-POST)	1	7254	JANUARY 13
LIGHT#2 (2-POST)	1	7336	FEBRUARY 17
LANCE	8	7365	FEBRUARY 25
FREE	20	7366	FEBRUARY 25
WING	12	7402	MARCH 14
HY	4	7410	MARCH 14
LAKE#1 (2-POST)	1	7437	MARCH 25
LAKE#2 (2-POST)	1	7438	MARCH 25
LIGHT#3 (2-POST)	1	7486	APRIL 7
LIGHT#4 (2-POST)	1	7483	APRIL 7
ANGUS	20	7512	APRIL 14
RAM#1 (2-POST)	1	7785	JULY 18
RAM#2 (2-POST)	1	7786	JULY 18
RAM#3 (2-POST)	1	7787	JULY 18
RAM#4 (2-POST)	1	7788	JULY 18
WINGDAM	16	7810	JULY 28
DAM	20	7933	SEPTEMBER 5
MAC 1 (2-POST)	1	5778	FEBRUARY 1
MAC 2 (2-POST)	1	5779	FEBRUARY 1
MAC 3 (2-POST)	1	5780	FEBRUARY 1
MAC 4 (2-POST)	1	5781	FEBRUARY 1
WING 2	20	8370	APRIL 29

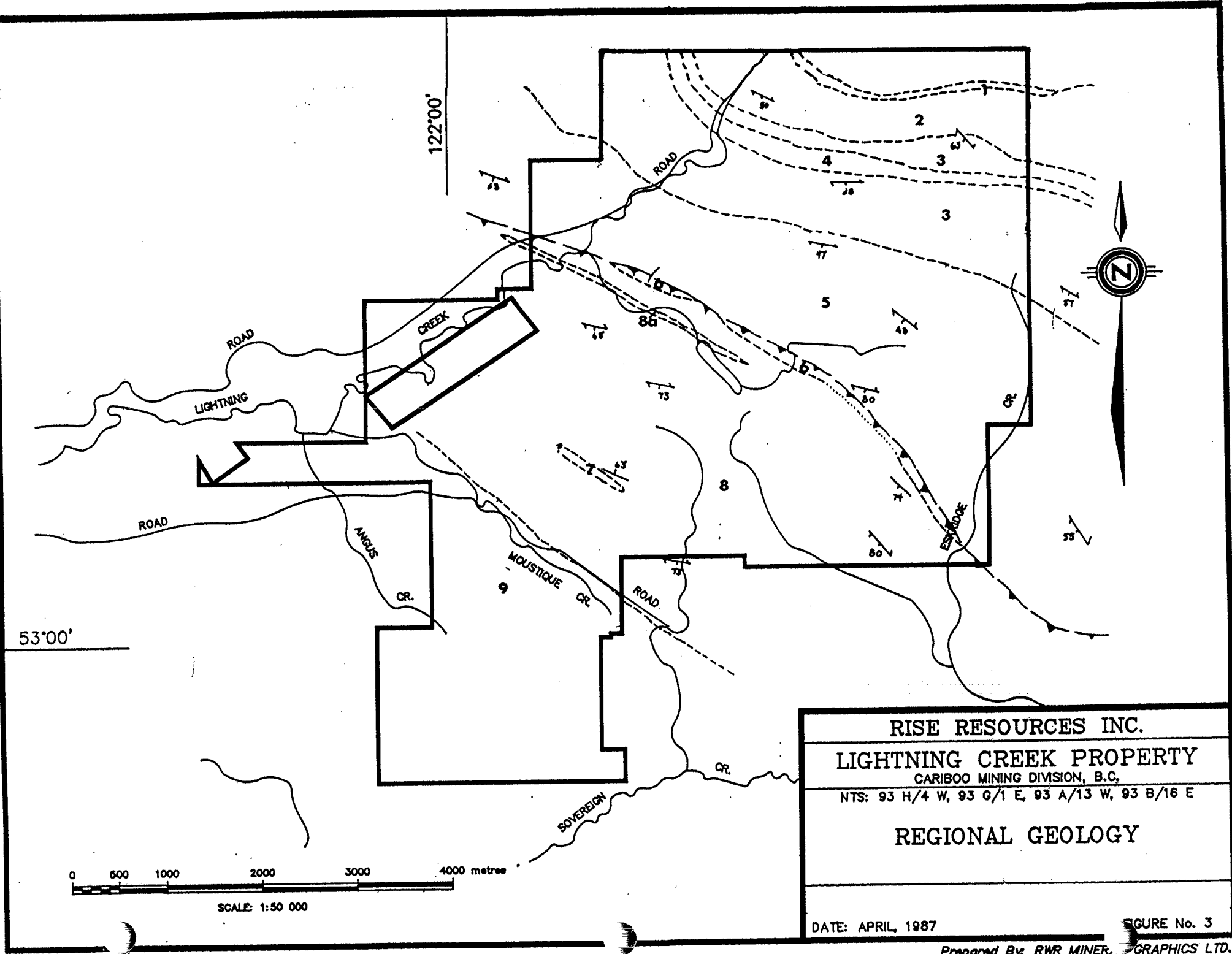
#### 1.4 HISTORY

In 1859 placer gold was discovered along the Quesnel River approximately 50 km south of the Wingdam. That discovery sparked the Cariboo gold rush which began in 1860 and lasted for five years. Placer discoveries made during that rush resulted in an estimated 3 million ounces of placer gold being mined in the Cariboo (Boyle, 1979). In addition, from 1933 to 1953 over 840,000 ounces of lode gold was produced from the famous Cariboo Gold Quartz Mine at Wells and the Island Mountain Mine, near Barkerville, B.C.

During the heyday of placer mining, the lower portions of Lightning Creek were one of the richest placer creeks in the Cariboo. Because of this the Wingdam (Lightning Creek) prospect has had considerable underground development take place along the bedrock-gravel interface; however, only modest surface stripping and pitting has taken place for lode-type deposits. The only known showing, Free Lance vein, is located 2 km downstream of Wingdam and is reported to have been exposed, at three different points along its 70 m strike length, by shallow pits. The main structure is described as being a 0.6 to 1.5 m wide quartz vein which lies parallel to the bedding and is sparsely mineralized with pyrite and galena and returned only trace amounts of gold and silver.

Except for the previously mentioned Mac claims, the property was staked to cover ground believed to be the source for the placer gold found in the lower portions of Lightning Creek.

The property was optioned in late 1986 by Rise Resources Inc. from the owners, John C. Bot and Donald C. Ulett. During 1987 an Aerodat Limited aerial geophysical survey was flown, the results of this survey were the basis of the 1987 summer programme.



RISE RESOURCES INC.  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION, B.C.  
 NTS: 93 H/4 W, 93 G/1 E, 93 A/13 W, 93 B/16 E  
 REGIONAL GEOLOGY

DATE: APRIL, 1987

FIGURE No. 3

Prepared By: RWR MINER. GRAPHICS LTD.

## LEGEND

Geological contact

Fault

Strike and dip of bedding

Strike and dip of foliation

9	Greenstone, augite-porphyr breccia, tuff breccia tuff; possible dykes and sills (green- schist facies metamorphics).
8	Dark grey argillite, slate, and phyllite, sandstone and minor limestone. 8a; conglomerate.
7	Diabase dykes
6	Diorite, basalt, serpentinite and sheared mafic rocks.
5	Olive and grey micaceous quartz- ite, dark grey phyllite and slate limestone, and meta-tuff.
4	Amphibolite, diorite, and sheared equivalents.
3	Black argillite, slate, and silt- ite, muddy conglomerate, and limestone.
2	Grey siltite and quartzite
1	Marble, calcareous, sandstone, quartzite, calcareous phyllite, and phyllite.

## 2.0 GEOLOGY

### 2.1 REGIONAL GEOLOGY

Bedrock outcrops over less than 5% of the property. Rock is only well exposed on steep slopes and along the canyon section of Lightning Creek and near the mouths of its tributaries. It also occurs as scattered exposures along road cuts and occasionally through the glacial drift that mantles most of the property.

The Wells-Barkerville District, of which the Wingdam Property is located on the western edge, is underlain by five major groups of rocks. All groups are compressed into northwesterly trending folds of greater or lesser complexity. The oldest rocks are schist, schistose greywackes and micaceous quartzite which form the Kaza Group (Late Precambrian to Paleozoic). The Cariboo Group (Early Cambrian and Later) comprises phyllites, limestones and micaceous quartzites and unconformably overlies the Kaza Group. The Black Stuart Group unconformably overlies the Cariboo and Kaza Groups and is comprised of dark shale, chert-carbonate unit, minor basalt flows, conglomerate and quartzite. The Slide Mountain Group (Carboniferous) comprises cherts, argillites, basic pillow lavas and conglomerates. It unconformably overlies the older Groups and is much less deformed and metamorphosed. The Quesnel River Group (Jurassic and Later?) comprises shales and andesitic volcanic rocks.

The geology of the area is not simple. Multiple deformation has rendered most of the rocks schistose and tightly compressed in complex repetitive folds. A subtlety of rock differences, an obscurity of bedding, facies changes in some formations and a variation in intensity of hydrothermal alterations all combine to make a complex relationship which poor exposure further compounds.

The glacial history of the region is not well known beyond the fact that a mountain ice-sheet covered the entire area at least once, and though the ice must have been almost static, some movement occurred to the southwest. Glaciation has modified the topography of the area slightly with only minor deepening or widening of the main valleys. It is believed that the glacial episode ended, as it may have begun, with a stage of valley glaciers.

The direction of ice flow probably varied at different times but generally it must have been channeled by the main valleys during the early and late stages of the ice-sheet and during the periods of valley glaciation. However, during the maximum stage of ice-sheet development, ice moved across the area to the southwest.

## 2.2 PROPERTY GEOLOGY

Bedrock exposures may be seen along the canyon section of Lightning Creek and some of its tributaries, but most of the property is covered beneath glacial drift

The property straddles the contact between Lower Paleozoic metamorphosed sediments of the Cariboo Group and Mesozoic, mainly volcanic, rocks of the Quesnel Trough (Figure 3). The Cariboo Group, which is present in the eastern portion of the property, is comprised predominantly of clastic rocks with lesser amounts of carbonate rocks. The rocks have been subjected to low-grade regional metamorphism and intense deformation, but they still commonly show bedding and other sedimentary features. Deformation has impressed a secondary foliation on most clastic units, and most rocks have a marked dimensional orientation involving mica, quartz, feldspar and even carbonate minerals.

The rocks of the Quesnel Trough are exposed mainly southwest and south of Wingdam and include a variety of basic and intermediate volcanics, argillites hornblende diorite and occasionally acidic intrusive rocks. Argillites are exposed along the western half of the property and appear to be the most common of the Lower Mesozoic rock types. An exposure in a pit on the west side of the property indicated that this unit is highly deformed. The strike direction varies from S23°E to S53°E with dips steeply to the west, although local reversals are not uncommon.

Mesozoic rocks are in fault contact with the Lower Paleozoic, Cariboo Group, metamorphics. The fault contact passes through the property in a northwest direction and is located east of Wingdam Creek. Both Groups are invaded at a number of points along this contact by stocks and tongues of younger intrusives. These same intrusives invade the metamorphics in the Wells-Barkerville District and associated veins peripheral to the intrusives are often auriferous.

On the Wingdam Property, quartz veins are associated with acidic intrusives. Small irregular quartz veins, up to 1 m wide have been reported and often occur at the contact between the intrusives and the argillites. Sulphides have been noted in these veins and consist mostly of pyrite with minor galena. Pyrite is also reported to occur within the argillites near the western end of the property. Here pyrite is present as fracture fillings, disseminations and sometimes as massive concentrations.

The Free Lance Prospect is the only known showing that has been worked. The showing is located 2 km downstream of Wingdam and is reported (B.C. Dept. of Mines,,1932, 1933) to have been exposed, at three different points along its 70 m strike length, by shallow pits. The main structure is described as being a 0.6 to 1.5 m wide quartz vein which lies parallel to the bedding and sparsely mineralized with pyrite and galena. Only trace amounts of gold and silver were reported from this showing.

### 3.0 GRID LINES

To facilitate the ground programme two grids were established to cross the areas of interest. Compass and chained base lines were generated with perpendicular cross lines established at 100 m intervals. All lines were flagged at 25 m intervals, 46.125 line km of base and cross lines were prepared.



## **4.0 GEOPHYSICS**

### **4.1 MAGNETOMETER SURVEY**

An Aerodat Limited airborne geophysical survey was completed during January of 1987. This survey consisted of a high sensitivity cesium vapour magnetometer, four frequency EM and two frequency VLF-EM components. This survey was used as a guide for the resulting exploration programme.

A total of 46.125 km of geophysics was completed using a Scintrex Portable Proton Precession Magnetometer (model MP-2). This instrument was used to survey the "vertical field" along the established grid lines (see maps 1, 5, & 9).

### **4.2 VLF EM-16 SURVEY**

Those lines surveyed by magnetometer were also surveyed using a Geonics VLF EM-16. This instrument was used to detect the presence or absence of faults as well as detect "massive" bodies in the area (see maps 2, 3, 6, 7) .

All in-phase and quadrature readings on the side-lines were taken facing line-west ( $225^{\circ}$ ) using Cutler, Maine (24.0 kHz) as the transmitting source. All base-line in-phase and quadrature readings were taken facing line-north ( $315^{\circ}$ ) using Jim Creek, Washington (24.8 kHz) as the transmitting source.

## **5.0 GEOCHEMISTRY**

### **5.1 SOIL SAMPLING**

#### **5.1.1 SAMPLING AND SAMPLE TREATMENT**

Most of baseline 1 and selected areas of baseline 2 were covered by geochemical soil sampling. A total of 646 soil samples were taken on a sampling interval of 25 m on lines 100 m apart over an area constituting 29.650 line-km. The purpose of this sampling programme was to see if there was any significant geochemical signature across geophysical targets. Samples were collected, whenever possible from the 'B' soil horizon. Generally the soil development was poor and the desired horizon was hard to identify. Samples were collected using either a shovel or prospector's mattock and placed into Kraft wet-strength paper envelopes. After air drying for several days the samples were boxed and shipped to Chemex Labs. Ltd. in North Vancouver, B.C.

At Chemex Labs Ltd. the samples were analyzed for 32 elements using the I.C.P. technique. In addition, gold was analyzed by standard atomic absorption after pre-concentration by Fire Assay extraction.

#### **5.1.2 DISCUSSION OF RESULTS**

The geochemical results were disappointing. This may be due to the very poor soil development combined with the thickness of glacial till which blankets the area. A drill operating for the holder of the Wingdam properties placer lease reported a thickness of overburden of 50.76 m (167 feet) by Lightning Creek, where it crosses our 7+00 line on Baseline 1.

### **5.2 ROAD BUILDING**

As a result of favourable geophysical results, approximately 800 m of drill access road has been constructed in preparation for next years field season.

## 6.0 CONCLUSIONS

An almost total lack of outcrop combined with poor soil development severely hampers interpretation of the property. In spite of this I feel that the geophysical results obtained combined with the location of the property and the past history of the area justifies further exploration of this prospect. As previously stated I feel that soil sample results are not indicative of the areas potential. Those areas of interest should be trenched followed where necessary by a drill programme.

Respectfully submitted,

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R. A. Gonzalez

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W. K. Akhurst

**7.0 COSTS STATEMENT**

RISE RESOURCES INC.  
 LIGHTNING CREEK PROPERTY  
 26 AUGUST - 31 OCTOBER, 1987

**GENERAL COSTS:**

FOOD & ACCOMMODATION, 5 pers., 117 mdays @ \$26.00	\$3,123.32
SHIPPING	338.05
FIELD TELEPHONE SERVICE	84.47
SUPPLIES	654.82
FIXED WING	109.80
FUEL	1,076.96
MAINTENANCE	281.58
RENTALS:	
AIRWAYS 4WD BLAZER, 20 days @ \$50.00	1,000.00
GALLANT 4WD BLAZER, 39 days @ \$50.00	1,950.00
EZEKIEL FIELD EQUIPMENT, 117 mdays @ \$6.00	702.00
CONSULTANTS FEES	1,953.00
REPORT PREPARATION	2,962.55
<b>TOTAL GENERAL COSTS</b>	<b>\$14,236.55</b>

**ROAD CONSTRUCTION:**

Cariboo Redi-Mix, D8K 18 hrs + mob/demob @ \$127.00	\$3,138.00
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**LINECUTTING/SURVEYING COST:**

SALARIES & WAGES, 4 pers., 38 mdays @ \$84.52	\$3,211.66
BENEFITS @ 20%	642.33
GENERAL COSTS APPORTIONED (38/117 X \$14,236.55)	4,623.84
<b>TOTAL LINECUTTING/SURVEYING COST</b>	<b>\$8,477.83</b>

**GEOPHYSICAL SURVEY COST:**

SALARIES & WAGES, 5 pers., 47 mdays @ \$98.36	\$4,623.14
BENEFITS @ 16.76%	774.63
RENTALS	
KANGELD PROTON MAG., 20 days @ \$27.00	540.00
GALLANT EM-16, 20 days @ \$27.00	540.00
GENERAL COSTS APPORTIONED (47/117 X \$14,236.55)	5,718.96
<b>TOTAL GEOPHYSICAL SURVEY COST</b>	<b>\$12,196.73</b>

**GEOCHEMICAL SURVEY COST:**

SALARIES & WAGES, 5 pers., 25 mdays @ \$102.46	\$2,561.58
BENEFITS @ 16.1%	412.32
ASSAYS & ANALYSIS - CHEMEX LABS	
2 ROCKS FOR GOLD & 32 ELEMENT ICP @ \$18.75	37.50
685 SOILS FOR GOLD AND 32 ELEMENT ICP @ \$14.58	9,989.50
GENERAL COSTS APPORTIONED (25/117 X \$14,236.55)	3,042.00
<b>TOTAL GEOCHEMICAL SURVEY COST</b>	<b>\$16,042.90</b>

**GEOLOGICAL MAPPING COST:**

SALARIES & WAGES, 2 pers., 7 mdays @ \$78.02	\$ 546.17
BENEFITS @ 20%	109.23
GENERAL COSTS APPORTIONED (7/117 X \$14,236.55)	851.76
<b>TOTAL GEOLOGICAL MAPPING COST</b>	<b>\$1,507.16</b>

**COST SUMMARY:**

ROAD CONSTRUCTION	\$3,138.00
LINECUTTING/SURVEYING	8,477.83
GEOPHYSICAL SURVEY	12,196.73
GEOCHEMICAL SURVEY	16,042.90
GEOLOGICAL MAPPING	1,507.16
<b>TOTAL</b>	<b>\$41,362.62</b>

## 8.0 REFERENCES

Bot, John, 1986; A Report on Wingdam Mineral Property: Botco Mining & Exploration Ltd., Unpub. Rpt.

British Columbia Department of Mines; Minister of Mines Annual Reports: 1932, p. 92

British Columbia Department of Mines; Minister of Mines Annual Reports: 1933, p. 115-117, 126.

Hanson, G., 1935; Barkerville Gold Belt, Cariboo District, Central British Columbia: Geological Survey of Canada, Memoir 181, 42 p.

Holland, S.S., 1954; Yanks Peak-Roundtop Mountain Area, British Columbia: B.C. Department of Mines, Bulletin No. 34, 112 p.

Rees, C.J., 1981: Western Margin of the Omenica Belt at Quesnel Lake, British Columbia: in Current Research, Part A, Geological Survey of Canada, Paper 81-1A, p. 223-226.

Rees, C.J. and Ferri, F., 1983; A Kinematic Study of Mylonitic Rocks in the Omenica-Intermontane Belt Tectonic Boundary in East-Central British Columbia: in Current Research, Part B, Geological Survey of Canada, Paper 83-1B, p. 121-125.

Richards, F., 1948; Cariboo Gold Quartz Mine: in Canadian Institute of Mining and Metallurgy, **Structural Geology of Canadian Ore Deposits**, Jubilee Volume, p. 162-168.

Skerl, A.C., 1948; Geology of the Cariboo Gold Quartz Mine, Wells, British Columbia: Economic Geology, Volume XLVIII, p. 571-597.

Struik, L.C., 1979; Stratigraphy and Structure of the Barkerville-Cariboo River Area, Central British Columbia: in Current Research, Part B, Geological Survey of Canada, Paper 79-1B, p. 33-38.

Struik, L.C., 1981; Open File Map OF 858; Geological Survey of Canada.

Struik, L.C., 1981; Snowshoe Formation, Central British Columbia: in Current Research, Part A, Geological Survey of Canada, Paper 81-1A, p. 213-216.

Struik, L.C., 1982; Snowshoe Formation (1982), Central British Columbia: in Current Research, Part B, Geological Survey of Canada, Paper 82-1B, p. 117-124.

Sutherland-Brown, A., 1957; Geology of the Antler Creek Area, British Columbia: B.C. Department of Mines, Bulletin 38, 105 p.

Tipper, H.W., Campbell, R.B., Taylor, G.C. and Stott, D.F., 1979; Parsnip River, British Columbia: Geological Survey of Canada, Map 1424A.

## 9.0 STATEMENT OF QUALIFICATIONS

**W.K. AKHURST**

I, W.K. Akhurst, do hereby certify that:

1. I am a geologist and reside at 1032 Lillooet Road, North Vancouver, B.C.
2. I am a graduate of the University of British Columbia (1983).
3. I have practised my profession continuously in British Columbia and across Canada since 1983.
4. I am an Associate Member of the Geological Association of Canada.
5. I have supervised the 1987 programme and take full responsibility for the results.
6. To the best of my knowledge, the information as stated in this report is correct.



## STATEMENT OF PROFESSIONAL QUALIFICATIONS

R.A. GONZALEZ, M.Sc., P.Eng.

### ACADEMIC

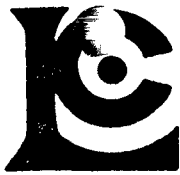
1965	B.Sc. in Geology	The University of New Mexico, U.S.A.
1968	M.Sc. in Geology	The University of New Mexico, U.S.A.

### PROFESSIONAL

1983	Archean Engineering Limited	Overseas Manager
1980-1983	Placer Development y Cia. Ltd. (Chile)	Ass't Exploration Manager
1977-1980	Consultant: attached to the Geological Survey of Malaysia	Ass't Project Manager on a C.I.D.A. supported mineral exploration survey over Peninsular Malaysia
1975-1977	Province of Manitoba	Resident Geologist for the Manitoba Dept. of Mines.
1971-1975	Giant Mascot Mines Limited	Senior Geologist
1970-1971	New Jersey Zinc (Canada) Ltd.	Exploration Geologist
1968-1970	Anaconda American Brass Ltd.	Research Geologist
1965-1966	Mex-Tex Mining Co. (U.S.A)	Geologist

**APPENDICES**

APPENDIX A: SOIL SAMPLE ASSAY RESULTS



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

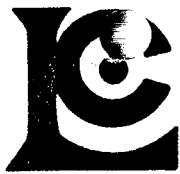
Project: LIGHTNING CREEK  
 Comments: ATTN: ART TROUP  K. AKMURST

Page No: 1-A  
 Tot. P: 9  
 Date: 29-SEP-87  
 Invoice #: I-8722473  
 P.O. #:

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L2N 0+00E	201 238	< 5	0.82	0.2	15	100	< 0.5	< 2	0.09	< 0.5	4	64	4	1.02	< 10	< 1	0.17	30	0.43	53
L2N 0+25E	201 238	< 10	0.15	< 0.2	15	40	< 0.5	< 2	0.78	1.0	3	56	4	0.40	< 10	< 1	0.05	< 10	0.18	74
L2N 0+50E	201 238	< 5	0.09	1.8	5	60	< 0.5	< 2	0.67	1.0	1	10	4	0.16	< 10	< 1	0.09	< 10	0.14	100
L2N 0+75E	201 238	< 5	2.47	0.4	< 5	200	0.5	< 2	0.42	0.5	15	56	17	3.47	< 10	< 1	0.13	20	1.51	329
L2N 1+00E	201 238	< 10	0.36	0.6	5	80	< 0.5	< 2	0.28	1.0	2	7	7	0.41	< 10	< 1	0.09	< 10	0.07	205
L2N 1+25E	201 238	< 5	0.29	1.8	< 5	100	< 0.5	< 2	0.30	0.5	1	4	6	0.33	< 10	< 1	0.08	< 10	0.07	281
L2N 1+50E	201 238	< 5	0.34	1.6	15	50	< 0.5	< 2	0.29	< 0.5	1	5	16	0.56	< 10	< 1	0.09	< 10	0.13	278
L2N 1+75E	201 238	< 5	0.15	1.8	5	50	< 0.5	< 2	0.29	1.5	< 1	3	6	0.20	< 10	< 1	0.10	< 10	0.05	314
L2N 2+00E	201 238	< 5	1.04	0.2	20	40	< 0.5	< 2	0.09	< 0.5	4	57	10	2.36	< 10	< 1	0.06	20	0.34	92
L2N 0+25W	201 238	< 5	1.82	0.2	< 5	130	0.5	< 2	0.15	< 0.5	10	151	4	1.92	< 10	< 1	0.30	40	1.13	113
L2N 0+50W	201 238	< 5	1.68	0.4	10	140	0.5	< 2	0.15	< 0.5	10	127	6	2.18	< 10	< 1	0.31	30	1.13	93
L2N 0+75W	201 238	< 5	1.49	0.2	10	140	0.5	< 2	0.11	< 0.5	8	107	7	1.93	< 10	< 1	0.22	30	0.99	104
L2N 1+00W	201 238	< 5	2.44	0.2	< 5	140	0.5	< 2	0.14	0.5	16	225	12	2.84	< 10	< 1	0.27	30	2.12	103
L2N 1+25W	201 238	< 5	1.61	0.4	10	140	0.5	< 2	0.13	< 0.5	8	128	7	1.75	< 10	< 1	0.31	40	1.04	87
L2N 1+50W	201 238	< 5	1.90	1.0	< 5	150	0.5	< 2	0.22	1.5	18	127	22	3.09	< 10	< 1	0.28	30	1.20	460
L2N 1+75W	201 238	< 5	1.05	0.6	< 5	190	0.5	< 2	0.29	2.5	6	75	11	1.35	< 10	< 1	0.20	20	0.45	172
L2N 2+00W	201 238	< 5	2.07	0.2	30	120	0.5	< 2	0.37	0.5	20	133	30	3.33	< 10	< 1	0.36	30	1.52	771
L2N 2+25W	201 238	< 5	1.55	0.4	15	100	0.5	< 2	0.11	< 0.5	9	108	15	2.67	< 10	< 1	0.19	30	0.93	130
L2N 2+50W	201 238	< 5	1.66	0.6	10	150	0.5	< 2	0.33	1.0	12	76	21	2.73	< 10	< 1	0.22	30	0.84	716
L2N 2+75W	201 238	< 5	1.12	1.2	15	140	0.5	2	0.22	0.5	5	57	28	2.60	< 10	< 1	0.16	20	0.34	174
L2N 3+00W	201 238	< 5	1.50	0.6	5	190	0.5	< 2	0.45	0.5	10	78	20	2.78	< 10	< 1	0.21	30	0.73	662
L3N 0+00E	201 238	< 5	1.60	0.4	15	150	0.5	< 2	0.20	< 0.5	10	130	7	1.87	< 10	< 1	0.28	30	1.10	230
L3N 0+25E	201 238	< 5	2.01	0.6	< 5	170	0.5	< 2	0.25	< 0.5	12	143	8	2.46	< 10	< 1	0.34	30	1.30	151
L3N 0+50E	201 238	< 5	1.13	0.2	10	80	< 0.5	< 2	0.13	1.0	5	18	33	2.15	< 10	< 1	0.12	40	0.20	118
L3N 0+75E	201 238	< 10	1.50	2.4	< 5	50	0.5	< 2	1.58	1.0	30	23	35	1.51	30	< 1	0.09	240	0.19	1155
L3N 1+00E	201 238	< 5	2.02	0.2	< 5	50	< 0.5	< 2	0.19	< 0.5	11	21	14	3.59	< 10	< 1	0.08	10	1.50	511
L3N 1+25E	201 238	< 5	1.27	0.2	< 5	60	< 0.5	< 2	0.09	< 0.5	2	11	2	1.30	< 10	< 1	0.25	10	0.33	119
L3N 1+50E	201 238	< 5	2.54	0.6	10	90	0.5	< 2	0.12	< 0.5	13	35	12	4.77	10	< 1	0.98	50	1.00	359
L3N 1+75E	201 238	< 20	0.23	0.2	10	50	< 0.5	< 2	0.36	< 0.5	1	4	8	0.32	< 10	< 1	0.12	< 10	0.07	734
L3N 2+00E	201 238	< 10	0.24	2.2	5	80	< 0.5	< 2	0.29	< 0.5	< 1	4	11	0.25	< 10	< 1	0.18	< 10	0.06	535
L3N 0+25W	201 238	< 5	1.44	< 0.2	5	90	< 0.5	< 2	0.12	< 0.5	8	92	8	1.80	< 10	< 1	0.19	30	0.82	88
L3N 0+50W	201 238	< 5	1.66	0.2	10	130	< 0.5	< 2	0.14	< 0.5	9	122	7	1.93	< 10	< 1	0.26	30	1.13	75
L3N 0+75W	201 238	< 5	1.82	0.4	< 5	150	< 0.5	< 2	0.28	< 0.5	13	108	7	2.25	< 10	< 1	0.32	30	1.33	195
L3N 1+00W	201 238	< 5	2.35	0.8	10	180	0.5	< 2	0.16	0.5	13	175	13	3.71	< 10	< 1	0.24	20	1.39	142
L3N 1+25W	201 238	< 5	1.14	0.4	5	150	< 0.5	< 2	0.15	< 0.5	4	66	5	1.20	< 10	< 1	0.26	40	0.53	107
L3N 1+50W	201 238	< 5	2.00	0.8	5	180	0.5	2	0.24	0.5	9	86	14	3.67	< 10	< 1	0.23	30	0.81	194
L3N 1+75W	201 238	< 5	1.92	0.4	5	110	0.5	< 2	0.41	< 0.5	12	115	15	2.80	< 10	< 1	0.27	30	1.11	137
L3N 2+00W	201 238	< 10	0.09	< 0.2	10	50	< 0.5	< 2	0.91	1.0	< 1	4	3	0.12	< 10	< 1	0.06	< 10	0.12	54
L3+00S 0+00E	201 238	< 5	1.70	0.4	< 5	80	0.5	4	0.33	< 0.5	10	52	16	2.27	< 10	< 1	0.11	20	0.49	231
L3+00S 0+25E	201 238	< 5	1.75	0.2	30	100	0.5	< 2	0.22	< 0.5	11	69	22	2.59	< 10	< 1	0.16	30	0.94	167

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

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Tot. Pages 29-SEP-87  
Date  
Invoice #: I-8722473  
P.O. #

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L2N 0+00E	201 238	2	< 0.01	32	350	16	< 5	< 10	8	0.06	< 10	< 10	22	< 5	41
L2N 0+2 5E	201 238	1	0.01	95	640	8	< 5	< 10	25	0.01	< 10	< 10	6	< 5	42
L2N 0+50E	201 238	1	0.01	21	1190	12	5	< 10	23	< 0.01	< 10	< 10	2	< 5	20
L2N 0+7 5E	201 238	1	0.01	45	1260	10	5	< 10	12	0.17	< 10	< 10	108	< 5	104
L2N 1+00E	201 238	< 1	0.01	1	1000	14	< 5	< 10	13	0.01	< 10	< 10	8	< 5	71
L2N 1+2 5E	201 238	1	0.01	2	910	18	< 5	10	10	< 0.01	< 10	< 10	4	< 5	50
L2N 1+50E	201 238	1	0.01	3	910	10	< 5	< 10	16	0.01	< 10	< 10	5	< 5	36
L2N 1+7 5E	201 238	1	< 0.01	3	1080	16	< 5	< 10	16	< 0.01	< 10	< 10	2	< 5	49
L2N 2+00E	201 238	3	0.01	33	570	8	< 5	< 10	11	0.07	< 10	< 10	56	< 5	52
L2N 0+2 5W	201 238	1	0.01	79	550	12	< 5	< 10	10	0.08	10	< 10	30	< 5	82
L2N 0+50W	201 238	< 1	0.01	75	720	12	< 5	< 10	9	0.10	10	< 10	39	< 5	90
L2N 0+7 5W	201 238	1	0.01	58	490	18	< 5	< 10	9	0.08	< 10	< 10	32	< 5	74
L2N 1+00W	201 238	< 1	0.01	140	830	6	5	< 10	9	0.11	< 10	< 10	45	< 5	102
L2N 1+2 5W	201 238	< 1	0.01	60	500	6	< 5	< 10	11	0.08	10	< 10	34	< 5	82
L2N 1+50W	201 238	3	0.01	85	1120	14	< 5	< 10	17	0.07	10	< 10	38	< 5	125
L2N 1+7 5W	201 238	< 1	0.01	34	420	6	< 5	< 10	29	0.04	< 10	< 10	24	< 5	77
L2N 2+00W	201 238	< 1	0.01	128	790	26	< 5	< 10	22	0.09	10	< 10	39	< 5	120
L2N 2+2 5W	201 238	1	0.01	62	360	16	< 5	< 10	10	0.08	< 10	< 10	38	< 5	79
L2N 2+50W	201 238	2	0.01	50	510	10	< 5	< 10	23	0.06	< 10	< 10	34	< 5	103
L2N 2+7 5W	201 238	5	0.01	32	580	8	< 5	< 10	22	0.05	< 10	< 10	43	< 5	65
L2N 3+00W	201 238	1	0.01	44	810	12	< 5	< 10	32	0.06	10	< 10	38	< 5	84
L3N 0+00E	201 238	< 1	0.01	70	550	4	< 5	< 10	12	0.09	10	< 10	34	< 5	90
L3N 0+2 5E	201 238	2	0.01	84	1060	4	< 5	10	13	0.10	10	< 10	42	< 5	116
L3N 0+50E	201 238	6	0.01	25	870	42	< 5	< 10	40	0.01	< 10	< 10	51	< 5	128
L3N 0+7 5E	201 238	< 1	0.01	79	710	8	< 5	< 10	99	0.05	110	< 10	16	< 5	67
L3N 1+00E	201 238	< 1	< 0.01	13	300	2	< 5	< 10	13	0.02	< 10	< 10	18	5	95
L3N 1+2 5E	201 238	< 1	0.01	< 1	210	8	< 5	< 10	8	0.10	< 10	< 10	17	< 5	47
L3N 1+50E	201 238	< 1	0.01	22	870	12	< 5	< 10	8	0.22	20	< 10	41	5	114
L3N 1+7 5E	201 238	1	0.01	1	1160	8	< 5	< 10	13	< 0.01	< 10	< 10	3	< 5	49
L3N 2+00E	201 238	2	0.01	3	1530	14	< 5	< 10	14	< 0.01	< 10	< 10	4	< 5	62
L3N 0+2 5W	201 238	< 1	0.01	54	700	18	< 5	< 10	9	0.07	< 10	< 10	28	< 5	73
L3N 0+50W	201 238	< 1	0.01	71	780	18	< 5	< 10	8	0.08	< 10	< 10	35	< 5	81
L3N 0+7 5W	201 238	< 1	0.01	74	630	6	< 5	< 10	16	0.09	< 10	< 10	33	< 5	109
L3N 1+00W	201 238	< 1	0.01	98	1540	16	< 5	< 10	15	0.10	< 10	< 10	50	< 5	144
L3N 1+2 5W	201 238	< 1	0.01	27	280	12	< 5	< 10	15	0.07	10	< 10	27	< 5	50
L3N 1+50W	201 238	1	0.01	40	610	4	< 5	< 10	23	0.11	10	< 10	60	< 5	95
L3N 1+7 5W	201 238	2	0.01	78	260	< 2	< 5	< 10	20	0.08	10	< 10	37	< 5	76
L3N 2+00W	201 238	4	0.01	8	640	< 2	< 5	< 10	35	< 0.01	< 10	< 10	1	< 5	37
L3N 0+00E	201 238	3	0.01	17	280	8	< 5	< 10	25	0.07	< 10	< 10	30	< 5	79
L3N 0+2 5E	201 238	< 1	0.01	65	540	14	< 5	< 10	16	0.06	< 10	< 10	29	< 5	98

CERTIFICATION :



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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

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Tot. : 9  
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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb PA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3+00S 0+50E	201 238	< 5	1.50	0.2	5	110	< 0.5	< 2	0.09	< 0.5	6	56	17	2.40	< 10	< 1	0.11	30	0.47	106
L3+00S 0+75E	201 238	< 5	0.07	< 0.2	10	20	< 0.5	2	4.65	< 0.5	1	5	4	0.16	< 10	< 1	0.03	< 10	0.08	36
L3+00S 1+00E	201 238	< 5	0.61	< 0.2	5	50	< 0.5	< 2	0.13	< 0.5	1	19	6	0.44	< 10	< 1	0.07	10	0.25	14
L3+00S 1+25E	201 238	< 5	1.67	< 0.2	< 5	110	0.5	2	0.32	< 0.5	8	42	16	3.00	< 10	< 1	0.11	20	0.65	230
L3+00S 1+50E	201 238	< 5	2.50	0.8	< 5	170	0.5	< 2	0.25	1.5	9	50	9	3.55	< 10	< 1	0.18	30	0.67	106
L3+00S 1+75E	201 238	< 5	2.26	0.4	5	140	0.5	< 2	0.26	0.5	12	82	39	4.30	< 10	< 1	0.16	30	1.12	236
L3+00S 2+00E	201 238	< 5	1.41	0.2	< 5	110	< 0.5	< 2	0.20	0.5	7	62	13	2.00	< 10	< 1	0.13	20	0.65	132
L3+00S 2+25E	201 238	< 5	1.54	0.2	< 5	130	< 0.5	< 2	0.20	0.5	8	73	14	2.03	< 10	< 1	0.16	20	0.74	169
L3+00S 2+50E	201 238	< 5	1.37	0.2	20	120	< 0.5	< 2	0.24	< 0.5	6	49	19	2.01	< 10	< 1	0.15	20	0.61	157
L3+00S 2+75E	201 238	< 5	1.71	0.4	10	180	0.5	< 2	0.16	< 0.5	8	76	19	2.81	< 10	< 1	0.17	20	0.83	285
L3+00S 3+00E	201 238	< 5	3.03	0.8	5	140	0.5	< 2	0.31	1.0	18	86	45	4.26	< 10	< 1	0.15	30	0.98	286
L3+00S 3+25E	201 238	< 5	1.49	0.4	15	90	0.5	< 2	0.20	0.5	8	39	29	3.27	< 10	< 1	0.12	40	0.31	202
L3+00S 3+50E	201 238	< 5	2.29	0.4	5	90	0.5	< 2	0.16	0.5	13	50	31	3.45	< 10	< 1	0.17	20	0.70	376
L3+00S 3+75E	201 238	< 5	1.80	0.6	20	70	0.5	< 2	0.25	< 0.5	13	35	21	2.88	< 10	< 1	0.14	30	0.69	318
L4N 0+00	201 238	< 5	2.60	0.6	< 5	180	0.5	< 2	0.14	1.0	17	179	19	3.34	< 10	< 1	0.32	30	1.84	137
L4N 0+25E	201 238	< 5	2.01	0.6	15	170	0.5	< 2	0.13	< 0.5	12	163	11	2.44	< 10	< 1	0.33	30	1.29	174
L4N 0+50E	201 238	< 5	1.55	1.0	20	130	< 0.5	2	0.17	< 0.5	7	90	6	1.89	< 10	< 1	0.17	30	0.66	118
L4N 0+75E	201 238	< 5	0.05	1.4	5	110	< 0.5	< 2	0.68	0.5	< 1	4	6	0.06	< 10	< 1	0.30	< 10	0.08	1325
L4N 1+00E	201 238	< 5	0.08	2.0	15	130	< 0.5	< 2	0.77	< 0.5	< 1	4	4	0.10	< 10	< 1	0.09	< 10	0.07	417
L4N 1+25E	201 238	< 5	0.15	1.0	5	120	< 0.5	< 2	1.11	1.0	3	7	8	0.21	< 10	< 1	0.20	< 10	0.16	1300
L4N 1+50E	201 238	< 5	1.98	0.8	35	140	0.5	< 2	0.25	0.5	14	112	18	3.59	< 10	< 1	0.16	20	1.12	276
L4N 1+75E	201 238	< 5	0.10	1.4	< 5	190	< 0.5	< 2	0.83	0.5	1	7	7	0.16	< 10	< 1	0.19	< 10	0.10	1400
L4N 2+00E	201 238	< 5	0.22	4.6	10	230	< 0.5	< 2	0.75	2.0	6	10	8	0.39	< 10	< 1	0.20	< 10	0.11	4050
L4N 0+25W	201 238	< 5	1.77	0.6	< 5	130	0.5	< 2	0.24	< 0.5	10	93	12	2.81	< 10	< 1	0.23	30	0.86	153
L4N 0+50W	201 238	< 5	0.04	0.2	5	80	< 0.5	4	1.31	< 0.5	< 1	15	6	0.07	< 10	< 1	0.20	< 10	0.08	814
L4N 0+75W	201 238	< 5	1.91	0.4	15	120	0.5	< 2	0.25	< 0.5	11	102	18	2.55	< 10	2	0.23	40	1.03	138
L4N 1+00W	201 238	< 5	1.95	0.6	45	100	0.5	< 2	0.30	< 0.5	13	121	25	3.73	< 10	< 1	0.17	30	0.89	223
L4N 1+25W	201 238	< 5	1.41	0.2	< 5	80	0.5	< 2	0.13	0.5	7	42	13	2.84	< 10	< 1	0.07	30	0.49	130
L4N 1+50W	201 238	< 5	1.56	0.4	10	110	0.5	< 2	0.18	< 0.5	10	88	17	3.05	< 10	< 1	0.08	30	0.71	170
L4N 1+75W	201 238	10	1.40	< 0.2	15	90	< 0.5	< 2	0.23	< 0.5	10	69	16	2.31	< 10	< 1	0.09	20	0.66	201
L4N 2+00W	201 238	< 5	1.14	< 0.2	< 5	80	< 0.5	< 2	0.22	< 0.5	6	53	9	1.78	< 10	< 1	0.07	20	0.40	161
L4+00S 0+00E	201 238	< 5	1.85	0.2	< 5	90	< 0.5	2	0.22	0.5	9	40	14	3.08	< 10	< 1	0.13	40	0.82	346
L4+00S 0+25E	201 238	< 5	2.09	0.4	5	120	< 0.5	2	0.19	0.5	9	49	17	3.33	< 10	< 1	0.15	40	0.86	321
L4+00S 0+50E	201 238	< 5	1.70	0.4	10	160	0.5	< 2	0.21	0.5	7	50	19	2.92	< 10	< 1	0.14	30	0.73	406
L4+00S 0+75E	201 238	< 5	1.26	< 0.2	< 5	100	< 0.5	< 2	0.60	0.5	3	22	6	1.17	< 10	1	0.20	20	0.44	182
L4+00S 1+00E	201 238	< 5	2.48	0.4	5	140	0.5	< 2	0.47	0.5	4	36	8	1.96	< 10	< 1	0.18	20	0.53	50
L4+00S 1+25E	201 238	< 5	1.79	< 0.2	< 5	160	0.5	2	0.21	< 0.5	2	39	2	1.48	< 10	< 1	0.20	10	0.49	20
L4+00S 1+50E	201 238	< 5	2.45	< 0.2	35	200	< 0.5	2	2.10	3.0	39	1445	3	5.20	< 10	< 1	0.03	10	3.11	950
L4+00S 1+75E	201 238	< 5	2.69	0.2	< 5	170	0.5	< 2	0.18	0.5	5	42	15	1.89	< 10	< 1	0.21	10	0.98	63
L4+00S 2+00E	201 238	< 5	1.26	0.6	25	90	< 0.5	< 2	1.97	2.0	9	16	35	3.23	< 10	1	0.13	10	0.74	359

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

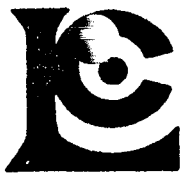
Page No. : 2-B  
Tot. P. : 9  
Date : 29-SEP-87  
Invoice # : I-8722473  
P.O. # :

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3+00S 0+50E	201 238	3	0.01	34	230	8	< 5	< 10	12	0.04	10	< 10	48	< 5	65
L3+00S 0+75E	201 238	5	0.01	5	680	< 2	5	< 10	149	< 0.01	< 10	< 10	1	< 5	36
L3+00S 1+00E	201 238	2	< 0.01	6	120	< 2	< 5	< 10	9	0.01	< 10	< 10	30	< 5	23
L3+00S 1+25E	201 238	< 1	0.01	23	280	26	< 5	< 10	25	0.13	< 10	< 10	36	< 5	68
L3+00S 1+50E	201 238	1	0.01	22	2100	< 2	< 5	< 10	21	0.04	< 10	< 10	37	5	221
L3+00S 1+75E	201 238	2	0.01	57	1650	4	< 5	< 10	27	0.06	< 10	< 10	48	< 5	142
L3+00S 2+00E	201 238	1	0.01	45	970	< 2	< 5	< 10	16	0.05	< 10	< 10	35	< 5	107
L3+00S 2+25E	201 238	1	0.01	50	1010	10	< 5	< 10	15	0.05	< 10	< 10	38	< 5	149
L3+00S 2+50E	201 238	< 1	0.01	36	1130	8	< 5	< 10	17	0.05	< 10	< 10	34	< 5	141
L3+00S 2+75E	201 238	2	0.01	52	990	8	< 5	< 10	13	0.05	< 10	< 10	42	< 5	130
L3+00S 3+00E	201 238	< 1	0.01	82	1120	26	< 5	< 10	41	0.14	10	< 10	68	< 5	246
L3+00S 3+25E	201 238	< 1	0.01	33	890	12	< 5	< 10	18	0.03	10	< 10	26	< 5	116
L3+00S 3+50E	201 238	< 1	0.01	37	490	26	< 5	< 10	19	0.06	< 10	< 10	28	< 5	139
L3+00S 3+75E	201 238	< 1	0.01	36	490	12	< 5	< 10	22	0.07	10	< 10	25	< 5	120
L4N 0+00	201 238	2	0.01	149	770	14	< 5	< 10	10	0.10	< 10	< 10	42	< 5	126
L4N 0+25E	201 238	1	0.01	97	640	< 2	< 5	< 10	9	0.07	< 10	< 10	36	< 5	112
L4N 0+50E	201 238	1	0.01	35	910	4	< 5	< 10	14	0.08	10	< 10	34	< 5	80
L4N 0+75E	201 238	1	< 0.01	3	1550	< 2	< 5	< 10	14	< 0.01	< 10	< 10	< 1	< 5	58
L4N 1+00E	201 238	1	0.01	2	1090	< 2	< 5	< 10	29	< 0.01	< 10	< 10	1	< 5	96
L4N 1+25E	201 238	2	0.01	14	1470	16	< 5	< 10	54	< 0.01	< 10	< 10	3	< 5	51
L4N 1+50E	201 238	< 1	0.01	70	1320	6	< 5	< 10	18	0.08	< 10	< 10	49	< 5	161
L4N 1+75E	201 238	1	0.01	5	1370	4	< 5	< 10	22	< 0.01	< 10	< 10	2	< 5	70
L4N 2+00E	201 238	3	0.01	5	1440	10	< 5	10	23	< 0.01	< 10	< 10	3	< 5	86
L4N 0+25W	201 238	1	0.01	53	860	2	< 5	< 10	18	0.09	10	< 10	42	< 5	86
L4N 0+50W	201 238	1	0.01	2	1040	2	5	< 10	27	< 0.01	< 10	< 10	< 1	< 5	74
L4N 0+75W	201 238	2	0.01	71	890	8	< 5	10	18	0.08	10	< 10	40	< 5	85
L4N 1+00W	201 238	1	0.01	120	500	12	< 5	< 10	22	0.08	< 10	< 10	52	< 5	82
L4N 1+25W	201 238	1	0.01	28	1040	10	< 5	< 10	12	0.04	10	< 10	39	< 5	67
L4N 1+50W	201 238	1	0.01	71	710	12	< 5	< 10	17	0.06	< 10	< 10	39	< 5	69
L4N 1+75W	201 238	2	0.01	67	700	10	< 5	< 10	19	0.06	< 10	< 10	33	< 5	64
L4N 2+00W	201 238	< 1	0.01	34	320	8	< 5	< 10	17	0.07	< 10	< 10	29	< 5	51
L4+00S 0+00E	201 238	< 1	0.01	34	490	16	< 5	< 10	19	0.03	< 10	< 10	32	< 5	102
L4+00S 0+25E	201 238	1	0.01	43	610	8	< 5	< 10	17	0.04	< 10	< 10	36	< 5	123
L4+00S 0+50E	201 238	2	0.01	39	870	4	< 5	< 10	17	0.05	< 10	< 10	38	< 5	120
L4+00S 0+75E	201 238	< 1	< 0.01	22	2040	6	< 5	< 10	39	0.01	< 10	< 10	22	< 5	90
L4+00S 1+00E	201 238	< 1	< 0.01	22	4980	< 2	< 5	< 10	32	0.01	< 10	< 10	29	< 5	69
L4+00S 1+25E	201 238	< 1	< 0.01	7	3070	4	< 5	< 10	14	0.03	< 10	< 10	57	< 5	54
L4+00S 1+50E	201 238	7	< 0.01	708	3540	6	< 5	< 10	40	0.01	< 10	< 10	74	< 5	130
L4+00S 1+75E	201 238	2	< 0.01	23	2130	4	< 5	< 10	13	0.01	< 10	< 10	63	< 5	139
L4+00S 2+00E	201 238	11	< 0.01	56	2200	10	5	< 10	69	< 0.01	< 10	< 10	17	< 5	152

CERTIFICATION :

*PCJ*



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Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

Page No. : 3-A  
Tot. : 9  
Date : 29-SEP-87  
Invoice #: I-8722473  
P.O. # :

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L4+00S 2+25E	201 238	5	2.22	0.8	< 5	160	0.5	< 2	0.45	1.0	6	61	10	3.54	< 10	< 1	0.14	20	0.54	151
L4+00S 2+50E	201 238	< 5	3.20	0.2	< 5	120	< 0.5	< 2	0.18	0.5	12	53	16	4.72	< 10	3	0.13	30	1.58	390
L4+00S 2+75E	201 238	< 5	1.16	0.2	< 5	60	< 0.5	< 2	0.05	0.5	5	20	7	3.10	< 10	< 1	0.11	20	0.36	244
L4+00S 3+00E	201 238	< 5	1.53	0.2	< 5	70	< 0.5	< 2	0.15	< 0.5	7	37	12	2.83	< 10	< 1	0.11	20	0.57	190
L4+00S 3+25E	201 238	< 5	1.39	< 0.2	5	70	< 0.5	2	0.11	< 0.5	4	31	11	2.55	< 10	< 1	0.09	20	0.45	118
L4+00S 3+50E	201 238	< 5	1.41	< 0.2	10	50	< 0.5	< 2	0.10	0.5	5	32	13	2.76	< 10	< 1	0.09	20	0.41	170
L4+00S 3+75E	201 238	< 5	1.39	< 0.2	< 5	40	< 0.5	< 2	0.05	0.5	8	9	11	2.62	< 10	< 1	0.13	10	0.75	204
L5N 0+00E	201 238	20	1.72	0.2	15	100	0.5	2	0.21	0.5	12	157	16	3.31	< 10	< 1	0.13	20	1.14	179
L5N 0+25E	201 238	< 5	1.58	0.2	10	90	< 0.5	< 2	0.33	0.5	15	115	24	2.83	< 10	< 1	0.20	30	1.14	356
L5N 0+50E	201 238	< 5	1.53	0.6	15	100	< 0.5	2	0.24	1.0	14	180	17	2.76	< 10	< 1	0.23	20	1.45	250
L5N 0+75E	201 238	< 5	1.33	< 0.2	10	80	< 0.5	2	0.29	1.0	19	149	19	2.58	< 10	< 1	0.17	20	1.11	521
L5N 1+00E	201 238	< 5	1.20	0.2	< 5	70	< 0.5	< 2	0.16	0.5	7	113	14	2.55	< 10	< 1	0.15	20	0.76	128
L5N 1+25E	201 238	< 5	1.44	0.2	5	90	0.5	4	0.34	1.0	14	126	26	2.92	< 10	< 1	0.14	30	0.96	373
L5N 1+50E	201 238	5	1.61	1.2	5	110	< 0.5	< 2	0.33	1.5	16	113	15	4.20	< 10	< 1	0.15	20	0.69	1120
L5N 1+75E	201 238	5	1.96	0.2	20	140	< 0.5	2	0.21	0.5	14	146	28	3.68	< 10	< 1	0.23	20	1.27	285
L5N 2+00E	201 238	< 5	1.41	0.4	10	90	< 0.5	< 2	0.31	1.0	10	106	16	2.53	< 10	< 1	0.15	30	0.80	332
L5N 0+25W	203 238	< 5	1.14	< 0.2	< 5	220	< 0.5	< 2	0.96	1.0	8	307	16	1.54	< 10	< 1	0.29	10	0.50	802
L5N 0+50W	201 238	< 5	1.35	< 0.2	10	90	< 0.5	< 2	0.16	0.5	7	118	14	2.44	< 10	< 1	0.12	30	0.74	188
L5N 0+75W	201 238	< 5	1.66	< 0.2	10	100	< 0.5	2	0.22	0.5	13	160	15	2.77	< 10	< 1	0.13	30	1.04	216
L5N 1+00W	201 238	1320	1.60	< 0.2	10	100	< 0.5	< 2	0.20	0.5	5	62	11	3.59	< 10	< 1	0.14	30	0.53	142
L5N 1+25W	201 238	< 5	1.49	< 0.2	10	70	< 0.5	< 2	0.17	0.5	5	46	10	2.47	< 10	< 1	0.10	30	0.68	133
L5N 1+50W	201 238	10	1.21	0.2	< 5	80	< 0.5	< 2	0.92	1.0	8	59	9	1.86	< 10	< 1	0.09	10	0.47	330
L5+00S 0+25E	201 238	< 5	1.84	< 0.2	10	160	< 0.5	2	0.15	0.5	6	62	12	3.01	< 10	< 1	0.18	30	0.74	220
L5+00S 0+50E	201 238	< 5	1.95	0.2	< 5	140	< 0.5	< 2	0.16	0.5	11	64	15	2.69	< 10	< 1	0.21	30	0.79	312
L5+00S 0+75E	201 238	< 5	1.76	< 0.2	5	110	< 0.5	2	0.24	0.5	6	47	9	2.98	< 10	< 1	0.20	30	0.75	224
L5+00S 1+00E	201 238	< 5	1.74	< 0.2	< 5	100	< 0.5	< 2	0.24	0.5	8	45	13	3.30	< 10	< 1	0.19	20	0.69	206
L5+00S 1+25E	201 238	< 5	1.82	< 0.2	15	110	< 0.5	< 2	0.18	0.5	10	139	12	3.71	< 10	< 1	0.10	20	0.66	149
L5+00S 1+50E	201 238	< 5	1.91	< 0.2	< 5	170	< 0.5	< 2	0.48	< 0.5	2	37	4	1.28	< 10	< 1	0.22	20	0.56	42
L5+00S 1+75E	201 238	< 5	2.04	0.2	5	80	< 0.5	< 2	0.29	< 0.5	4	32	14	1.32	< 10	< 1	0.16	20	0.70	47
L5+00S 2+00E	201 238	< 5	1.67	< 0.2	20	150	< 0.5	2	0.24	0.5	13	201	15	3.70	< 10	< 1	0.18	20	0.65	165
L5+00S 2+25E	201 238	< 5	2.13	1.2	15	110	0.5	2	1.00	0.5	5	37	20	1.92	< 10	< 1	0.26	30	0.94	168
L5+00S 2+50E	201 238	< 5	1.05	< 0.2	10	110	< 0.5	< 2	3.67	1.5	5	22	13	1.19	< 10	< 1	0.11	< 10	0.64	1255
L5+00S 2+75E	201 238	< 5	1.10	< 0.2	< 5	150	< 0.5	< 2	2.45	2.5	4	36	16	1.27	< 10	< 1	0.12	< 10	0.79	729
L5+00S 3+00E	201 238	< 5	1.97	< 0.2	15	90	< 0.5	< 2	0.90	3.5	42	55	113	3.58	< 10	< 1	0.14	40	0.98	755
L5+00S 3+25E	201 238	< 5	1.70	< 0.2	5	90	< 0.5	< 2	0.14	< 0.5	10	36	23	3.17	< 10	< 1	0.14	30	0.72	279
L5+00S 3+50E	201 238	< 5	2.29	< 0.2	10	120	0.5	< 2	0.16	0.5	10	46	10	4.09	< 10	< 1	0.11	20	0.51	171
L5+00S 3+75E	201 238	< 5	0.76	< 0.2	5	90	< 0.5	< 2	0.10	0.5	1	20	7	0.93	< 10	< 1	0.05	10	0.13	76
L6N 0+00	201 238	< 5	1.54	0.4	30	180	< 0.5	< 2	0.97	2.5	18	143	49	3.10	< 10	< 1	0.19	20	0.43	665
L6N 0+25E	201 238	10	1.34	< 0.2	10	90	< 0.5	2	0.32	1.0	15	232	16	2.72	< 10	< 1	0.15	20	1.11	287
L6N 0+50E	201 238	< 5	1.32	< 0.2	10	100	< 0.5	2	0.25	0.5	16	192	15	2.71	< 10	< 1	0.16	20	1.10	384

CERTIFICATION :





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112 BROOKSBANK AVE., NORTH VANCOUVER,  
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To : MARK MANAGEMENT LIMITED

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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L4+00S 2+25E	201 238	2	< 0.01	48	2830	6	< 5	< 10	27	0.03	< 10	< 10	34	< 5	126
L4+00S 2+50E	201 238	< 1	< 0.01	25	1320	14	< 5	< 10	17	0.03	< 10	< 10	43	< 5	126
L4+00S 2+75E	201 238	2	< 0.01	13	620	4	< 5	< 10	5	0.02	< 10	< 10	18	< 5	50
L4+00S 3+00E	201 238	< 1	< 0.01	28	620	12	< 5	< 10	14	0.06	< 10	< 10	27	< 5	92
L4+00S 3+25E	201 238	1	< 0.01	21	540	4	< 5	< 10	11	0.05	< 10	< 10	32	< 5	66
L4+00S 3+50E	201 238	< 1	< 0.01	19	1010	40	< 5	< 10	15	0.05	< 10	< 10	27	< 5	76
L4+00S 3+75E	201 238	< 1	< 0.01	8	760	16	< 5	< 10	4	0.01	< 10	< 10	12	< 5	57
L5N 0+00E	201 238	1	0.01	130	660	12	< 5	< 10	19	0.06	< 10	< 10	39	< 5	102
L5N 0+25E	201 238	1	0.01	139	740	18	< 5	< 10	20	0.06	< 10	< 10	29	< 5	105
L5N 0+50E	201 238	1	< 0.01	144	670	14	< 5	10	15	0.05	< 10	< 10	32	< 5	98
L5N 0+75E	201 238	1	0.01	148	770	8	< 5	< 10	18	0.05	< 10	< 10	28	< 5	87
L5N 1+00E	201 238	2	< 0.01	84	350	4	< 5	< 10	15	0.05	< 10	< 10	33	< 5	73
L5N 1+25E	201 238	2	0.01	130	650	12	< 5	< 10	23	0.05	< 10	< 10	33	< 5	100
L5N 1+50E	201 238	1	0.01	72	1560	18	< 5	< 10	21	0.05	< 10	< 10	40	< 5	109
L5N 1+75E	201 238	2	0.01	126	1040	16	< 5	< 10	18	0.08	< 10	< 10	42	< 5	133
L5N 2+00E	201 238	< 1	0.01	83	610	18	< 5	< 10	23	0.05	< 10	< 10	32	< 5	82
L5N 0+25W	203 238	2	0.02	52	890	10	< 5	< 10	41	0.03	< 10	< 10	24	< 5	86
L5N 0+50W	201 238	2	0.01	70	410	10	< 5	< 10	15	0.04	< 10	< 10	30	< 5	73
L5N 0+75W	201 238	< 1	0.01	144	460	2	< 5	< 10	17	0.06	< 10	< 10	35	< 5	94
L5N 1+00W	201 238	1	0.01	29	1720	10	< 5	< 10	17	0.06	< 10	< 10	52	< 5	85
L5N 1+25W	201 238	< 1	0.01	24	460	8	< 5	< 10	18	0.08	< 10	< 10	40	< 5	130
L5N 1+50W	201 238	1	0.01	128	470	8	< 5	< 10	55	0.03	< 10	< 10	25	< 5	77
L5+00S 0+25E	201 238	2	0.01	40	610	10	< 5	< 10	15	0.05	< 10	< 10	48	< 5	105
L5+00S 0+50E	201 238	< 1	0.01	58	400	10	< 5	< 10	17	0.06	< 10	< 10	34	< 5	94
L5+00S 0+75E	201 238	< 1	0.01	26	1400	14	< 5	< 10	19	0.10	< 10	< 10	38	< 5	77
L5+00S 1+00E	201 238	< 1	0.01	26	760	8	< 5	< 10	21	0.10	< 10	< 10	33	< 5	88
L5+00S 1+25E	201 238	< 1	< 0.01	94	2030	14	< 5	< 10	16	0.05	< 10	< 10	38	< 5	108
L5+00S 1+50E	201 238	< 1	< 0.01	14	3180	4	< 5	< 10	31	0.02	< 10	< 10	38	< 5	63
L5+00S 1+75E	201 238	< 1	< 0.01	26	1640	8	< 5	< 10	17	0.01	< 10	< 10	28	< 5	55
L5+00S 2+00E	201 238	4	0.01	216	2980	20	< 5	< 10	17	0.07	< 10	< 10	43	< 5	85
L5+00S 2+25E	201 238	2	< 0.01	35	1150	8	< 5	< 10	25	< 0.01	< 10	< 10	35	< 5	117
L5+00S 2+50E	201 238	< 1	0.01	20	1890	2	< 5	10	113	0.01	< 10	< 10	19	< 5	89
L5+00S 2+75E	201 238	< 1	0.01	27	3030	8	< 5	< 10	106	0.01	< 10	< 10	21	< 5	181
L5+00S 3+00E	201 238	1	0.01	120	3120	24	< 5	< 10	35	0.04	< 10	< 10	58	< 5	413
L5+00S 3+25E	201 238	< 1	< 0.01	26	450	12	< 5	< 10	14	0.06	< 10	< 10	25	< 5	87
L5+00S 3+50E	201 238	< 1	0.01	33	2650	22	< 5	< 10	12	0.07	< 10	< 10	42	< 5	108
L5+00S 3+75E	201 238	< 1	0.01	7	370	2	< 5	< 10	12	0.03	< 10	< 10	16	< 5	36
L6N 0+00	201 238	2	0.01	297	1260	10	< 5	< 10	61	0.02	< 10	< 10	33	< 5	112
L6N 0+25E	201 238	1	0.01	188	550	6	< 5	< 10	20	0.05	< 10	< 10	32	< 5	81
L6N 0+50E	201 238	1	0.01	147	930	14	< 5	< 10	17	0.06	< 10	< 10	31	< 5	88

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

Page No. 4-A  
Tot. Pages 9  
Date: 29-SEP-87  
Invoice #: I-8722473  
P.O. # :

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L6N 0+75E	201 238	15	1.71	< 0.2	15	130	< 0.5	< 2	0.39	0.5	18	135	24	3.08	< 10	< 1	0.26	30	1.15	450
L6N 1+00E	201 238	10	1.35	0.4	20	100	< 0.5	< 2	0.14	< 0.5	9	138	25	2.77	< 10	< 1	0.20	20	0.48	289
L6N 0+25W	201 238	5	1.67	0.2	20	110	< 0.5	< 2	0.33	1.0	18	160	16	2.91	< 10	< 1	0.17	30	1.01	365
L6N 0+50W	201 238	< 5	1.47	0.2	5	100	< 0.5	2	0.24	0.5	11	109	12	2.09	< 10	1	0.13	30	0.73	257
L6N 0+75W	201 238	< 5	0.15	0.4	< 5	120	< 0.5	2	0.98	1.0	1	14	7	0.20	< 10	1	0.24	< 10	0.20	931
L6N 1+00W	201 238	< 5	0.10	< 0.2	< 5	110	< 0.5	< 2	1.21	1.0	< 1	4	4	0.16	< 10	< 1	0.07	< 10	0.17	408
L6N 1+25W	201 238	< 5	2.09	0.2	5	110	0.5	< 2	0.32	0.5	13	70	21	3.18	< 10	< 1	0.13	30	0.72	274
L6N 1+50W	203 238	< 20	0.48	< 0.2	< 5	180	< 0.5	< 2	1.62	1.0	3	47	16	0.54	< 10	1	0.16	< 10	0.22	504
L6+00S 0+00E	201 238	5	0.71	0.4	45	180	< 0.5	< 2	0.94	6.0	7	18	40	2.50	< 10	< 1	0.20	30	0.07	296
L6+00S 0+25E	201 238	< 5	1.51	1.6	30	190	0.5	< 2	0.34	6.0	12	38	64	5.07	< 10	1	0.16	30	0.42	629
L6+00S 0+50E	201 238	< 5	1.76	0.4	< 5	210	< 0.5	2	0.98	3.5	12	34	29	3.45	< 10	< 1	0.17	50	1.28	708
L6+00S 0+75E	201 238	< 5	1.55	0.4	15	130	< 0.5	< 2	0.34	1.0	5	36	22	3.16	< 10	< 1	0.21	30	0.60	154
L6+00S 1+00E	201 238	5	1.10	0.2	5	160	< 0.5	< 2	0.21	2.0	2	25	13	1.26	< 10	2	0.12	30	0.15	39
L6+00S 1+25E	201 238	< 5	2.28	< 0.2	5	140	< 0.5	< 2	0.58	1.0	10	65	53	3.58	< 10	< 1	0.17	20	1.33	139
L6+00S 1+50E	201 238	< 5	2.28	< 0.2	< 5	210	< 0.5	< 2	0.45	0.5	8	46	16	2.50	< 10	< 1	0.24	30	0.98	94
L6+00S 1+75E	201 238	< 5	2.26	< 0.2	< 5	210	0.5	< 2	0.44	1.0	8	45	34	2.46	< 10	< 1	0.18	30	0.84	66
L6+00S 2+25E	201 238	5	1.72	0.2	5	90	0.5	< 2	0.83	0.5	4	34	12	1.71	< 10	< 1	0.29	30	0.86	109
L6+00S 2+50E	201 238	10	1.48	0.2	< 5	100	< 0.5	< 2	0.96	1.5	4	25	9	1.57	< 10	< 1	0.19	20	0.78	234
L6+00S 2+75E	201 238	5	1.06	< 0.2	5	150	< 0.5	< 2	0.17	0.5	7	21	50	2.10	< 10	< 1	0.06	30	0.17	346
L6+00S 3+00E	201 238	< 5	2.34	< 0.2	5	60	< 0.5	< 2	0.41	0.5	20	39	23	4.61	< 10	< 1	0.12	40	0.99	658
L6+00S 3+25E	201 238	< 5	3.16	1.2	15	80	< 0.5	2	0.12	< 0.5	19	33	31	3.62	< 10	< 1	0.08	30	1.91	506
L6+00S 3+50E	201 238	< 5	2.87	< 0.2	35	100	< 0.5	2	0.15	0.5	19	28	15	4.56	< 10	< 1	0.13	70	0.87	629
L6+00S 3+75E	201 238	180	2.39	< 0.2	95	90	< 0.5	2	0.12	< 0.5	7	19	8	2.77	< 10	< 1	0.17	30	0.24	127
L7N 0+00E	201 238	5	1.52	< 0.2	10	90	< 0.5	2	0.23	1.0	15	168	16	2.82	< 10	1	0.15	30	1.23	309
L7N 0+25E	203 238	< 5	1.08	< 0.2	5	120	< 0.5	< 2	0.72	2.0	12	117	18	1.89	< 10	< 1	0.19	20	0.47	608
L7N 0+50E	201 238	40	1.36	< 0.2	30	60	< 0.5	< 2	0.32	0.5	20	276	15	3.13	< 10	< 1	0.12	20	1.70	368
L7N 0+75E	203 238	15	0.16	< 0.2	< 5	80	< 0.5	< 2	1.29	1.0	2	20	8	0.31	< 10	< 1	0.09	< 10	0.22	340
L7N 1+00E	201 238	15	1.38	< 0.2	10	110	< 0.5	< 2	0.26	1.0	12	129	21	3.51	< 10	< 1	0.19	20	0.85	350
L7N 0+25W	201 238	< 5	1.67	< 0.2	< 5	110	< 0.5	< 2	0.33	1.0	11	67	24	2.82	< 10	< 1	0.13	20	0.76	476
L7N 0+50W	201 238	10	1.67	< 0.2	5	120	< 0.5	< 2	0.24	1.0	10	59	22	2.69	< 10	< 1	0.12	30	0.71	401
L7N 0+75W	201 238	5	1.66	0.2	5	110	< 0.5	< 2	0.26	0.5	7	52	21	3.08	< 10	< 1	0.10	30	0.69	255
L7N 1+00W	201 238	15	1.66	< 0.2	< 5	110	< 0.5	< 2	0.36	0.5	12	59	26	2.77	< 10	< 1	0.14	30	0.76	438
L7N 1+25W	201 238	15	1.74	< 0.2	< 5	130	< 0.5	< 2	0.29	0.5	8	54	26	2.79	< 10	< 1	0.12	30	0.67	262
L7N 1+50W	201 238	15	1.91	< 0.2	< 5	120	< 0.5	< 2	0.32	0.5	12	60	23	2.95	< 10	< 1	0.14	30	0.74	400
L7N 1+75W	201 238	25	1.63	< 0.2	< 5	100	< 0.5	< 2	0.27	0.5	9	41	18	2.94	< 10	< 1	0.14	20	0.64	318
L7N 2+00W	201 238	25	1.61	< 0.2	10	110	< 0.5	< 2	0.41	0.5	13	57	26	2.83	< 10	< 1	0.18	30	0.72	531
L7+00S 0+00E	201 238	< 5	0.68	< 0.2	20	130	< 0.5	< 2	0.69	1.0	6	16	23	3.96	< 10	< 1	0.16	30	0.08	332
L7+00S 0+25E	201 238	< 5	1.70	3.6	< 5	120	< 0.5	< 2	2.35	14.5	7	32	22	1.91	< 10	< 1	0.07	< 10	0.38	556
L7+00S 0+50E	201 238	< 5	2.47	1.0	< 5	160	0.5	< 2	0.93	3.0	13	42	25	3.25	< 10	< 1	0.15	50	0.55	585
L7+00S 0+75E	201 238	< 5	1.88	0.4	< 5	160	< 0.5	< 2	0.39	1.5	6	43	27	4.09	< 10	< 1	0.21	30	0.82	177

CERTIFICATION :



# Chemex Labs Ltd.

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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK  
 Comments: ATTN: ART TROUP CC: K. AKMURST

Page No: 4-B  
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 Date: 29-SEP-87  
 Invoice #: I-8722473  
 P.O. #:

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L6N 0+75E	201 238	1	0.01	120	880	14	< 5	< 10	28	0.07	< 10	< 10	33	< 5	105
L6N 1+00E	201 238	1	0.01	104	1150	12	< 5	< 10	13	0.04	< 10	< 10	35	< 5	78
L6N 0+25W	201 238	< 1	0.01	150	570	14	< 5	< 10	22	0.07	< 10	< 10	31	< 5	90
L6N 0+50W	201 238	2	0.01	95	690	6	< 5	< 10	19	0.06	< 10	< 10	34	< 5	93
L6N 0+75W	201 238	1	0.01	11	1380	6	< 5	< 10	32	< 0.01	< 10	< 10	3	< 5	68
L6N 1+00W	201 238	1	< 0.01	11	890	8	< 5	< 10	46	< 0.01	< 10	< 10	2	< 5	50
L6N 1+25W	201 238	1	0.01	59	280	8	< 5	< 10	24	0.08	< 10	< 10	47	< 5	105
L6N 1+50W	203 238	1	0.03	9	760	22	< 5	< 10	74	0.03	< 10	< 10	12	< 5	80
L6+00S 0+00E	201 238	25	< 0.01	56	5030	16	5	< 10	61	< 0.01	< 10	< 10	53	< 5	424
L6+00S 0+25E	201 238	15	0.01	34	4300	14	5	< 10	41	< 0.01	< 10	< 10	69	< 5	398
L6+00S 0+50E	201 238	2	< 0.01	60	3260	4	< 5	< 10	69	< 0.01	< 10	< 10	18	< 5	199
L6+00S 0+75E	201 238	8	< 0.01	27	2640	20	< 5	< 10	21	0.01	< 10	< 10	80	< 5	195
L6+00S 1+00E	201 238	3	0.01	10	450	16	< 5	< 10	22	0.01	< 10	< 10	54	< 5	107
L6+00S 1+25E	201 238	5	< 0.01	53	3390	6	< 5	< 10	39	< 0.01	< 10	< 10	52	< 5	156
L6+00S 1+50E	201 238	< 1	< 0.01	35	2100	10	< 5	< 10	33	< 0.01	< 10	< 10	37	< 5	96
L6+00S 1+75E	201 238	4	< 0.01	45	1300	< 2	< 5	< 10	38	< 0.01	< 10	< 10	56	< 5	146
L6+00S 2+25E	201 238	1	< 0.01	35	1640	2	< 5	< 10	44	0.01	< 10	< 10	31	< 5	78
L6+00S 2+50E	201 238	1	0.01	29	2760	4	< 5	< 10	70	0.01	< 10	< 10	27	< 5	92
L6+00S 2+75E	201 238	< 1	0.01	17	2190	10	< 5	< 10	21	< 0.01	< 10	< 10	13	< 5	71
L6+00S 3+00E	201 238	< 1	< 0.01	32	780	16	< 5	< 10	47	0.03	< 10	< 10	24	< 5	143
L6+00S 3+25E	201 238	< 1	< 0.01	46	440	58	< 5	< 10	20	0.01	< 10	< 10	18	< 5	123
L6+00S 3+50E	201 238	< 1	< 0.01	44	1210	20	< 5	< 10	16	0.01	< 10	< 10	22	< 5	132
L6+00S 3+75E	201 238	< 1	0.01	14	2160	16	< 5	< 10	16	0.03	< 10	< 10	19	< 5	115
L7N 0+00E	201 238	1	0.01	124	540	8	< 5	< 10	19	0.07	< 10	< 10	32	< 5	95
L7N 0+25E	203 238	1	0.01	108	900	6	< 5	< 10	46	0.03	< 10	< 10	24	< 5	67
L7N 0+50E	201 238	< 1	0.01	238	1040	14	< 5	< 10	19	0.06	< 10	< 10	31	< 5	74
L7N 0+75E	203 238	< 1	0.01	28	870	8	< 5	< 10	62	< 0.01	< 10	< 10	4	< 5	59
L7N 1+00E	201 238	1	0.01	92	800	16	< 5	< 10	20	0.07	< 10	< 10	37	< 5	102
L7N 0+25W	201 238	2	0.01	55	640	6	< 5	< 10	24	0.06	< 10	< 10	39	< 5	107
L7N 0+50W	201 238	< 1	0.01	50	480	8	< 5	< 10	21	0.07	< 10	< 10	38	< 5	108
L7N 0+75W	201 238	2	0.01	35	790	6	< 5	< 10	23	0.09	< 10	< 10	50	< 5	91
L7N 1+00W	201 238	1	0.01	49	610	8	< 5	< 10	31	0.10	< 10	< 10	47	< 5	85
L7N 1+25W	201 238	2	0.01	36	690	4	< 5	< 10	27	0.09	< 10	< 10	53	< 5	93
L7N 1+50W	201 238	1	0.01	55	470	12	< 5	< 10	24	0.08	< 10	< 10	46	< 5	88
L7N 1+75W	201 238	< 1	0.01	26	770	10	< 5	< 10	17	0.08	< 10	< 10	43	< 5	76
L7N 2+00W	201 238	1	0.01	49	620	14	< 5	< 10	28	0.09	< 10	< 10	39	< 5	77
L7+00S 0+00E	201 238	4	< 0.01	32	5040	< 2	< 5	< 10	44	< 0.01	< 10	< 10	10	< 5	145
L7+00S 0+25E	201 238	2	0.01	40	1210	4	< 5	< 10	158	0.01	< 10	< 10	41	< 5	202
L7+00S 0+50E	201 238	1	0.01	96	1370	10	< 5	< 10	73	0.01	< 10	< 10	21	< 5	180
L7+00S 0+75E	201 238	3	< 0.01	34	3810	12	< 5	< 10	29	0.01	< 10	< 10	48	< 5	187

CERTIFICATION :



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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
L7+00S 1+00E	201	238	< 5	1.41	< 0.2	< 5	260	< 0.5	< 2	0.30	2.0	4	30	7	1.41	< 10	< 1	0.17	20	0.44	476
L7+00S 1+25E	201	238	< 5	1.50	< 0.2	< 5	110	< 0.5	< 2	0.35	< 0.5	3	25	3	0.88	< 10	< 1	0.15	20	0.48	71
L7+00S 1+50E	201	238	< 5	1.68	0.2	< 5	130	< 0.5	< 2	0.70	< 0.5	2	36	3	0.91	< 10	< 1	0.09	20	0.40	34
L7+00S 1+75E	201	238	< 5	0.81	< 0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	< 1	18	4	0.55	< 10	< 1	0.04	20	0.18	11
L7+00S 2+00E	201	238	< 5	3.49	5.0	10	240	< 0.5	< 2	1.87	4.0	25	131	99	4.38	< 10	< 1	0.30	90	0.68	2770
L7+00S 2+25E	201	238	< 5	2.49	0.2	20	190	< 0.5	< 2	0.16	0.5	19	45	34	4.27	< 10	< 1	0.13	40	1.06	620
L7+00S 2+50E	201	238	< 5	2.02	< 0.2	10	60	< 0.5	< 2	0.08	1.0	25	37	34	4.40	< 10	< 1	0.10	50	0.64	895
L7+00S 2+75E	201	238	< 5	1.79	< 0.2	< 5	100	< 0.5	< 2	0.34	0.5	8	32	7	2.34	10	< 1	0.05	20	0.41	516
L7+00S 3+00E	201	238	35	1.78	0.2	5	60	< 0.5	< 2	0.15	0.5	6	29	10	3.11	< 10	< 1	0.07	30	0.23	228
L8N 0+50W	201	238	5	1.42	0.4	< 5	80	< 0.5	< 2	0.26	1.0	15	109	21	2.83	< 10	< 1	0.11	20	0.91	488
L8N 0+75W	201	238	< 5	1.13	0.2	15	90	< 0.5	< 2	0.31	1.0	20	127	25	2.74	< 10	1	0.12	30	0.97	981
L8N 1+00W	201	238	< 5	1.28	0.2	5	110	< 0.5	< 2	0.27	0.5	11	69	17	2.44	< 10	< 1	0.11	20	0.68	424
L8N 2+00W	201	238	< 5	1.57	0.4	< 5	80	< 0.5	< 2	0.39	1.0	13	87	21	2.64	< 10	< 1	0.14	30	1.00	252
L8S 0+00E	201	238	< 5	1.50	0.2	< 5	120	< 0.5	< 2	0.17	0.5	6	56	9	2.66	< 10	< 1	0.16	30	0.69	145
L8S 0+25E	201	238	< 5	1.50	0.2	< 5	110	< 0.5	< 2	0.19	0.5	5	42	9	2.85	< 10	< 1	0.16	20	0.60	141
L8S 0+50E	201	238	< 5	1.56	< 0.2	< 5	110	< 0.5	< 2	0.25	0.5	5	32	9	3.17	< 10	< 1	0.13	20	0.60	181
L8S 0+75E	201	238	< 5	0.82	1.8	< 5	110	< 0.5	< 2	0.21	1.0	2	16	20	1.29	< 10	< 1	0.15	40	0.18	104
L8S 1+00E	201	238	< 5	1.14	< 0.2	< 5	260	< 0.5	< 2	0.30	3.5	6	20	3	1.24	< 10	< 1	0.18	10	0.33	2670
L8S 1+25E	201	238	< 5	1.44	0.2	< 5	100	< 0.5	< 2	0.58	0.5	2	25	4	1.07	< 10	< 1	0.18	20	0.49	113
L8S 1+50E	201	238	< 5	1.67	0.2	5	110	< 0.5	< 2	0.77	0.5	5	31	5	1.34	< 10	< 1	0.16	20	0.53	102
L8S 1+75E	201	238	< 5	2.01	< 0.2	500	140	< 0.5	< 2	2.07	2.5	51	938	6	6.53	< 10	< 1	0.01	< 10	1.50	671
L8S 2+00E	201	238	< 5	1.22	< 0.2	5	160	< 0.5	< 2	0.41	3.0	17	42	22	3.33	< 10	< 1	0.13	20	0.64	1955
L8S 2+25E	201	238	< 5	1.91	0.6	5	100	< 0.5	< 2	0.12	0.5	8	48	13	4.11	< 10	< 1	0.14	100	0.78	393
L8S 2+50E	201	238	< 5	2.30	0.2	20	60	< 0.5	< 2	0.20	< 0.5	12	53	51	3.51	< 10	< 1	0.11	30	1.26	358
L8S 2+75E	201	238	< 5	1.78	0.2	5	90	< 0.5	< 2	0.17	0.5	5	56	11	3.60	< 10	< 1	0.12	30	0.56	156
L8S 4+00E	201	238	< 5	2.19	0.6	5	120	< 0.5	< 2	0.19	0.5	11	63	14	3.34	< 10	< 1	0.13	30	0.61	185
L8S 4+25E	201	238	< 5	1.85	0.2	< 5	100	< 0.5	< 2	0.14	0.5	6	46	9	2.66	< 10	1	0.10	20	0.53	229
L8S 4+50E	201	238	< 5	1.84	0.2	< 5	110	< 0.5	< 2	0.15	0.5	6	49	12	3.09	< 10	1	0.11	20	0.63	155
L8S 4+75E	201	238	< 5	2.81	0.2	< 5	130	< 0.5	< 2	0.13	1.0	7	65	19	4.80	< 10	< 1	0.11	20	0.60	173
L8S 5+00E	201	238	< 5	2.07	0.4	< 5	100	< 0.5	< 2	0.10	1.0	6	35	13	2.75	< 10	< 1	0.08	30	0.27	136
L8S 5+25E	201	238	< 5	2.52	0.2	< 5	100	< 0.5	< 2	0.13	1.0	8	49	17	4.13	< 10	1	0.08	20	0.47	180
L8S 5+50E	201	238	< 5	2.84	0.2	5	140	< 0.5	< 2	0.10	0.5	7	53	23	3.96	< 10	< 1	0.09	20	0.46	155
L8S 5+75E	201	238	< 5	2.14	< 0.2	5	120	< 0.5	< 2	0.10	0.5	7	47	16	4.14	< 10	< 1	0.13	20	0.51	212
L8S 6+00E	201	238	< 5	2.44	< 0.2	5	150	< 0.5	< 2	0.14	0.5	10	51	24	3.86	< 10	< 1	0.17	30	0.69	234
L9S 0+00E	201	238	< 5	1.40	0.2	< 5	90	< 0.5	< 2	0.16	0.5	5	43	8	2.59	< 10	< 1	0.12	30	0.58	151
L9S 0+25E	201	238	< 5	1.36	0.2	< 5	120	< 0.5	< 2	0.09	< 0.5	3	59	6	1.21	< 10	1	0.13	30	0.45	65
L9S 0+50E	201	238	< 5	1.60	0.8	< 5	150	< 0.5	< 2	0.26	0.5	7	94	12	2.26	< 10	< 1	0.19	20	1.17	162
L9S 0+75E	201	238	< 5	1.72	0.2	10	110	< 0.5	< 2	0.25	0.5	14	289	13	2.89	< 10	< 1	0.20	30	1.36	209
L9S 1+00E	201	238	< 5	0.59	0.2	< 5	170	< 0.5	< 2	0.25	3.0	3	22	13	0.92	< 10	< 1	0.11	20	0.15	47
L9S 1+25E	201	238	< 5	0.39	< 0.2	< 5	150	< 0.5	< 2	0.71	1.5	< 1	10	6	0.50	< 10	< 1	0.05	10	0.12	97

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

Page No. 5-B

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Date 29-SEP-87

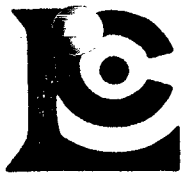
Invoice #: I-8722473

P.O. #

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L7+00S 1+00E	201 238	< 1	< 0.01	14	2220	12	< 5	< 10	27	0.01	< 10	< 10	29	< 5	120
L7+00S 1+25E	201 238	< 1	< 0.01	15	1430	2	< 5	< 10	22	0.01	< 10	< 10	22	< 5	46
L7+00S 1+50E	201 238	< 1	< 0.01	16	2050	6	< 5	< 10	31	0.01	< 10	< 10	28	< 5	42
L7+00S 1+75E	201 238	< 1	< 0.01	9	360	4	< 5	< 10	5	0.01	< 10	< 10	27	< 5	29
L7+00S 2+00E	201 238	< 1	0.02	120	1820	24	< 5	< 10	82	0.05	< 10	< 10	38	< 5	199
L7+00S 2+25E	201 238	< 1	< 0.01	54	920	10	< 5	< 10	26	0.01	< 10	< 10	28	< 5	131
L7+00S 2+50E	201 238	< 1	0.01	55	940	18	< 5	< 10	17	0.01	< 10	< 10	25	< 5	135
L7+00S 2+75E	201 238	< 1	0.01	13	590	16	< 5	< 10	15	0.28	< 10	< 10	40	< 5	80
L7+00S 3+00E	201 238	< 1	0.01	13	1530	4	< 5	< 10	24	0.08	< 10	< 10	32	< 5	79
L8N 0+50W	201 238	< 1	0.01	104	790	12	< 5	< 10	18	0.07	< 10	< 10	33	< 5	87
L8N 0+75W	201 238	1	0.01	184	890	10	< 5	< 10	19	0.07	< 10	< 10	27	< 5	74
L8N 1+00W	201 238	2	0.01	66	660	12	< 5	< 10	21	0.06	< 10	< 10	35	< 5	79
L8N 2+00W	201 238	< 1	0.01	75	900	8	< 5	< 10	23	0.06	< 10	< 10	33	< 5	99
L8S 0+00E	201 238	< 1	0.01	32	1220	10	< 5	< 10	14	0.06	< 10	< 10	34	< 5	68
L8S 0+25E	201 238	< 1	< 0.01	24	1780	10	< 5	< 10	13	0.07	< 10	< 10	35	< 5	71
L8S 0+50E	201 238	< 1	< 0.01	17	1520	16	< 5	< 10	15	0.10	< 10	< 10	44	< 5	73
L8S 0+75E	201 238	4	0.01	17	470	6	< 5	< 10	16	< 0.01	< 10	< 10	32	< 5	95
L8S 1+00E	201 238	1	< 0.01	10	860	4	< 5	< 10	20	0.01	< 10	< 10	25	< 5	105
L8S 1+25E	201 238	< 1	< 0.01	56	2410	6	< 5	< 10	40	0.01	< 10	< 10	20	< 5	88
L8S 1+50E	201 238	1	< 0.01	100	1790	2	< 5	< 10	47	< 0.01	< 10	< 10	22	< 5	87
L8S 1+75E	201 238	8	< 0.01	1265	2480	4	5	< 10	33	0.01	< 10	< 10	98	< 5	211
L8S 2+00E	201 238	1	0.01	44	890	12	< 5	10	30	0.01	< 10	< 10	21	< 5	125
L8S 2+25E	201 238	2	0.01	33	930	10	< 5	< 10	19	0.04	< 10	< 10	36	< 5	88
L8S 2+50E	201 238	< 1	0.01	67	300	4	< 5	< 10	20	0.05	< 10	< 10	28	< 5	100
L8S 2+75E	201 238	< 1	< 0.01	30	1400	8	< 5	< 10	15	0.08	< 10	< 10	36	< 5	80
L8S 4+00E	201 238	1	0.01	38	1720	10	< 5	< 10	18	0.07	< 10	< 10	40	< 5	115
L8S 4+25E	201 238	< 1	< 0.01	22	1000	8	< 5	< 10	12	0.07	< 10	< 10	37	< 5	92
L8S 4+50E	201 238	1	< 0.01	27	640	4	< 5	< 10	15	0.08	< 10	< 10	42	< 5	77
L8S 4+75E	201 238	2	0.01	31	940	10	< 5	< 10	17	0.09	< 10	< 10	59	< 5	132
L8S 5+00E	201 238	1	< 0.01	15	950	8	< 5	< 10	15	0.05	< 10	< 10	46	< 5	105
L8S 5+25E	201 238	2	< 0.01	23	760	8	< 5	< 10	12	0.08	< 10	< 10	52	< 5	124
L8S 5+50E	201 238	3	< 0.01	30	1090	12	< 5	< 10	12	0.07	< 10	< 10	52	< 5	105
L8S 5+75E	201 238	2	< 0.01	25	1010	10	< 5	< 10	13	0.08	< 10	< 10	56	< 5	89
L8S 6+00E	201 238	1	0.01	35	1130	10	< 5	< 10	16	0.07	< 10	< 10	46	< 5	110
L9S 0+00E	201 238	1	0.01	25	770	10	< 5	< 10	14	0.07	< 10	< 10	36	< 5	69
L9S 0+25E	201 238	< 1	< 0.01	21	470	10	< 5	< 10	9	0.05	< 10	< 10	38	< 5	60
L9S 0+50E	201 238	< 1	< 0.01	69	880	8	< 5	< 10	17	0.06	< 10	< 10	42	< 5	124
L9S 0+75E	201 238	< 1	0.01	290	1040	8	< 5	< 10	16	0.06	< 10	< 10	50	< 5	102
L9S 1+00E	201 238	< 1	0.01	20	380	6	< 5	< 10	26	0.01	< 10	< 10	18	< 5	73
L9S 1+25E	201 238	< 1	0.01	7	730	2	< 5	< 10	51	0.01	< 10	< 10	8	< 5	42

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK  
 Comments: ATTN: ART TROUP CC: K. AKMURST

Page No.: 6-A  
 Total: 0  
 Date: 29-SEP-87  
 Invoice #: I-8722473  
 P.O. #:

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L9S 1+50E	201 238	< 5	0.56	< 0.2	< 5	100	< 0.5	< 2	1.40	1.0	2	13	6	0.66	< 10	< 1	0.11	< 10	0.29	246
L9S 1+75E	201 238	< 5	1.56	< 0.2	< 5	100	< 0.5	< 2	0.30	0.5	3	38	9	1.58	< 10	< 1	0.10	20	0.68	47
L9S 2+00E	201 238	< 5	1.74	0.2	140	120	< 0.5	2	0.21	2.0	82	1130	78	6.24	< 10	< 1	0.02	10	2.14	1020
L9S 2+25E	201 238	< 5	1.81	< 0.2	5	90	< 0.5	< 2	0.20	1.0	7	57	24	4.34	< 10	< 1	0.13	20	0.63	179
L9S 2+50E	201 238	< 5	0.83	< 0.2	< 5	90	< 0.5	< 2	0.16	< 0.5	3	22	5	1.24	< 10	< 1	0.12	20	0.28	113
L9S 2+75E	201 238	< 5	1.26	< 0.2	< 5	110	< 0.5	< 2	0.21	0.5	5	35	6	2.41	< 10	< 1	0.12	20	0.45	149
L9S 3+00E	201 238	< 5	0.88	0.4	< 5	80	< 0.5	< 2	0.13	0.5	4	32	14	2.10	< 10	< 1	0.09	20	0.30	124
L9S 3+25E	201 238	< 5	1.42	0.2	< 5	90	< 0.5	< 2	0.11	0.5	6	39	9	2.04	< 10	< 1	0.13	20	0.56	190
L9S 3+50E	201 238	< 5	0.97	< 0.2	< 5	60	< 0.5	< 2	0.11	< 0.5	3	20	5	1.23	< 10	1	0.08	20	0.26	84
L9S 3+75E	201 238	< 5	1.42	0.2	< 5	120	< 0.5	< 2	0.19	< 0.5	5	30	7	2.35	< 10	< 1	0.15	20	0.44	154
L9S 4+00E	201 238	< 5	1.25	< 0.2	< 5	80	< 0.5	< 2	0.17	< 0.5	5	29	9	2.09	< 10	< 1	0.12	20	0.45	140
L9S 4+25E	201 238	< 5	1.48	0.2	5	120	< 0.5	< 2	0.18	< 0.5	5	37	9	2.31	< 10	< 1	0.15	30	0.49	144
L9S 4+50E	201 238	< 5	1.73	0.2	5	120	< 0.5	< 2	0.16	< 0.5	7	43	15	3.29	< 10	< 1	0.15	30	0.54	190
L9S 4+75E	201 238	< 5	1.61	< 0.2	< 5	110	< 0.5	< 2	0.17	< 0.5	5	29	5	2.62	< 10	< 1	0.15	20	0.52	152
L9S 5+00E	201 238	< 5	1.65	< 0.2	< 5	80	< 0.5	< 2	0.15	< 0.5	6	35	9	2.72	< 10	1	0.13	20	0.55	157
L9S 5+25E	201 238	< 5	0.98	< 0.2	< 5	40	< 0.5	< 2	0.12	< 0.5	4	21	10	1.84	< 10	< 1	0.10	30	0.25	155
L10S 0+00E	201 238	< 5	2.85	0.4	5	110	< 0.5	< 2	0.12	< 0.5	16	253	20	3.61	< 10	< 1	0.22	20	2.81	141
L10S 0+25E	201 238	< 5	1.71	< 0.2	< 5	150	< 0.5	< 2	0.08	0.5	7	83	4	2.63	< 10	< 1	0.27	30	1.01	233
L10S 0+50E	201 238	< 5	1.26	< 0.2	< 5	60	< 0.5	< 2	0.25	0.5	6	44	17	2.63	< 10	< 1	0.12	30	0.58	162
L10S 0+75E	201 238	< 5	2.15	1.0	5	220	< 0.5	< 2	0.50	2.5	8	50	21	3.36	< 10	< 1	0.30	40	0.58	143
L10S 1+00E	201 238	< 5	2.54	0.6	20	280	< 0.5	< 2	0.41	1.0	8	55	39	3.62	< 10	< 1	0.30	40	0.90	116
L10S 1+25E	201 238	< 5	2.46	0.8	< 5	240	< 0.5	2	0.68	2.5	14	45	84	4.94	< 10	< 1	0.31	80	1.02	314
L10S 1+50E	201 238	< 5	0.56	< 0.2	< 5	70	< 0.5	< 2	0.20	1.5	< 1	12	6	0.50	< 10	< 1	0.07	20	0.11	20
L10S 1+75E	201 238	< 5	1.40	< 0.2	< 5	100	< 0.5	< 2	0.23	0.5	1	31	3	0.83	< 10	< 1	0.09	20	0.89	36
L10S 2+00E	201 238	< 5	1.87	0.2	60	90	< 0.5	< 2	0.41	1.0	33	863	24	3.31	< 10	< 1	0.05	10	2.06	487
L10S 2+25E	201 238	< 5	1.57	0.2	< 5	100	< 0.5	< 2	0.17	0.5	5	51	20	3.00	< 10	< 1	0.10	30	0.44	141
L10S 2+50E	201 238	< 5	0.92	< 0.2	< 5	60	< 0.5	< 2	0.20	< 0.5	2	24	6	1.11	< 10	< 1	0.07	20	0.14	126
L10S 2+75E	201 238	< 5	2.18	0.2	5	130	< 0.5	< 2	0.17	0.5	6	51	18	3.42	< 10	< 1	0.13	20	0.53	169
L10S 3+00E	201 238	< 5	1.20	0.2	< 5	130	< 0.5	< 2	0.23	0.5	5	32	12	1.47	< 10	< 1	0.13	30	0.26	290
L10S 3+25E	201 238	< 5	1.91	0.2	5	60	< 0.5	< 2	0.11	< 0.5	6	33	9	2.91	< 10	< 1	0.11	30	1.02	199
L10S 3+50E	201 238	< 5	1.61	0.2	10	80	< 0.5	< 2	0.20	< 0.5	6	38	19	2.03	< 10	< 1	0.14	40	0.59	231
L10S 3+75E	201 238	< 5	1.83	< 0.2	10	120	< 0.5	< 2	0.14	< 0.5	5	38	10	3.67	< 10	< 1	0.12	20	0.50	167
L10S 4+00E	201 238	< 5	1.35	< 0.2	< 5	90	< 0.5	< 2	0.09	0.5	3	29	8	2.42	< 10	1	0.07	20	0.35	113
L10S 4+25E	201 238	< 5	1.81	< 0.2	< 5	80	< 0.5	< 2	0.12	0.5	7	38	20	2.92	< 10	1	0.09	30	0.52	280
L10S 4+50E	201 238	< 5	1.41	0.2	< 5	110	< 0.5	< 2	0.14	< 0.5	7	28	12	2.25	< 10	< 1	0.12	30	0.33	241
L10S 4+75E	201 238	< 5	0.87	< 0.2	< 5	50	< 0.5	< 2	0.08	< 0.5	3	14	8	1.62	< 10	1	0.08	30	0.15	116
L10S 5+00E	201 238	< 5	2.07	0.2	5	120	< 0.5	< 2	0.15	< 0.5	6	42	19	2.86	< 10	< 1	0.11	30	0.46	184
L10S 5+25E	201 238	< 5	1.86	< 0.2	< 5	100	< 0.5	< 2	0.11	0.5	5	39	10	2.86	< 10	< 1	0.09	20	0.39	127
L11S 1+25E	201 238	< 5	2.25	0.4	5	150	< 0.5	< 2	0.08	0.5	10	211	5	2.55	10	< 1	0.24	30	1.69	85
L11S 1+50E	201 238	< 5	1.56	0.2	< 5	80	< 0.5	< 2	0.14	0.5	6	61	12	2.87	< 10	< 1	0.10	20	0.54	132

CERTIFICATION :



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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L9S 1+50E	201 238	< 1	< 0.01	16	1680	8	< 5	< 10	77	< 0.01	< 10	< 10	10	< 5	40
L9S 1+75E	201 238	1	< 0.01	50	2330	< 2	< 5	< 10	19	0.02	< 10	< 10	39	< 5	66
L9S 2+00E	201 238	2	0.01	1280	950	8	< 5	< 10	13	0.04	< 10	< 10	55	< 5	112
L9S 2+25E	201 238	1	< 0.01	37	1410	18	< 5	< 10	18	0.08	< 10	< 10	51	< 5	99
L9S 2+50E	201 238	< 1	< 0.01	10	290	2	< 5	< 10	12	0.07	< 10	< 10	22	< 5	47
L9S 2+75E	201 238	< 1	< 0.01	17	1010	8	< 5	< 10	15	0.08	< 10	< 10	38	< 5	59
L9S 3+00E	201 238	2	< 0.01	20	620	6	< 5	< 10	12	0.05	< 10	< 10	33	< 5	63
L9S 3+25E	201 238	1	< 0.01	22	210	10	< 5	< 10	14	0.07	< 10	< 10	30	< 5	74
L9S 3+50E	201 238	< 1	< 0.01	10	150	8	< 5	< 10	12	0.07	< 10	< 10	24	< 5	38
L9S 3+75E	201 238	< 1	< 0.01	17	760	14	< 5	< 10	14	0.08	< 10	< 10	31	< 5	65
L9S 4+00E	201 238	< 1	< 0.01	16	640	6	< 5	< 10	13	0.07	< 10	< 10	31	< 5	61
L9S 4+25E	201 238	< 1	0.01	21	630	12	< 5	< 10	17	0.08	< 10	< 10	37	< 5	69
L9S 4+50E	201 238	1	0.01	25	780	22	< 5	< 10	16	0.09	< 10	< 10	42	< 5	91
L9S 4+75E	201 238	< 1	< 0.01	13	410	14	< 5	< 10	16	0.10	< 10	< 10	34	< 5	68
L9S 5+00E	201 238	< 1	< 0.01	16	640	12	< 5	< 10	15	0.09	< 10	< 10	35	< 5	60
L9S 5+25E	201 238	< 1	< 0.01	11	610	10	< 5	< 10	13	0.07	< 10	< 10	31	< 5	47
L10S 0+00E	201 238	< 1	< 0.01	190	880	14	< 5	< 10	6	0.10	< 10	< 10	60	< 5	128
L10S 0+25E	201 238	< 1	< 0.01	68	570	6	< 5	< 10	4	0.05	< 10	< 10	34	< 5	84
L10S 0+50E	201 238	2	< 0.01	32	570	14	< 5	< 10	21	0.07	< 10	< 10	34	< 5	85
L10S 0+75E	201 238	10	< 0.01	50	4380	4	< 5	< 10	39	0.01	< 10	< 10	75	< 5	616
L10S 1+00E	201 238	5	0.01	38	2990	12	< 5	< 10	30	0.01	< 10	< 10	94	< 5	267
L10S 1+25E	201 238	5	< 0.01	93	2850	12	< 5	< 10	47	< 0.01	< 10	< 10	29	< 5	390
L10S 1+50E	201 238	< 1	< 0.01	6	240	4	< 5	< 10	15	0.01	< 10	< 10	14	< 5	31
L10S 1+75E	201 238	< 1	< 0.01	8	840	4	< 5	< 10	15	0.02	< 10	< 10	35	< 5	51
L10S 2+00E	201 238	2	< 0.01	482	530	4	< 5	< 10	17	0.04	< 10	< 10	59	< 5	91
L10S 2+25E	201 238	3	0.01	28	660	8	< 5	< 10	17	0.07	< 10	< 10	60	< 5	76
L10S 2+50E	201 238	< 1	0.01	7	260	8	< 5	< 10	17	0.10	< 10	< 10	36	< 5	37
L10S 2+75E	201 238	4	< 0.01	30	1380	12	< 5	< 10	18	0.07	< 10	< 10	54	< 5	92
L10S 3+00E	201 238	1	0.01	16	310	6	< 5	< 10	21	0.05	< 10	< 10	36	< 5	66
L10S 3+25E	201 238	1	< 0.01	17	380	10	< 5	< 10	18	0.05	< 10	< 10	44	< 5	85
L10S 3+50E	201 238	< 1	0.01	28	210	6	< 5	< 10	23	0.05	< 10	< 10	31	< 5	62
L10S 3+75E	201 238	1	< 0.01	18	1600	18	< 5	< 10	15	0.08	< 10	< 10	47	< 5	71
L10S 4+00E	201 238	2	< 0.01	13	470	10	< 5	< 10	10	0.07	< 10	< 10	41	< 5	52
L10S 4+25E	201 238	2	< 0.01	25	940	4	< 5	< 10	12	0.05	< 10	< 10	42	< 5	90
L10S 4+50E	201 238	2	< 0.01	20	510	14	< 5	< 10	16	0.05	< 10	< 10	38	< 5	68
L10S 4+75E	201 238	1	< 0.01	8	280	10	< 5	< 10	9	0.03	< 10	< 10	28	< 5	37
L10S 5+00E	201 238	1	0.01	26	620	10	< 5	< 10	16	0.07	< 10	< 10	51	< 5	87
L10S 5+25E	201 238	2	0.01	19	530	8	< 5	< 10	14	0.07	< 10	< 10	51	< 5	63
L11S 1+25E	201 238	< 1	< 0.01	147	610	4	< 5	< 10	3	0.09	< 10	< 10	33	< 5	77
L11S 1+50E	201 238	< 1	0.01	43	600	8	< 5	< 10	13	0.07	< 10	< 10	43	< 5	71

CERTIFICATION :

*BCJ*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. ARMURST

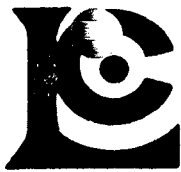
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Date 29-SEP-87  
Invoice #: I-8722473  
P.O. #

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	FA+AA																				
L11S 1+75E	201	238	< 5	2.62	1.6	< 5	160	< 0.5	< 2	0.64	4.0	14	57	17	2.94	< 10	< 1	0.12	20	0.50	292
L11S 2+00E	201	238	< 5	1.31	0.2	< 5	230	< 0.5	< 2	0.31	1.0	5	60	19	3.31	< 10	< 1	0.16	20	0.31	147
L11S 2+25E	201	238	< 5	1.50	< 0.2	< 5	140	< 0.5	< 2	0.27	0.5	7	40	11	2.15	< 10	< 1	0.15	30	0.59	191
L11S 2+50E	201	238	< 5	1.54	0.2	5	150	< 0.5	< 2	0.30	0.5	6	39	20	2.76	< 10	< 1	0.16	30	0.56	225
L11S 2+75E	201	238	< 5	2.57	0.6	< 5	150	< 0.5	< 2	0.47	1.5	13	58	35	3.46	< 10	< 1	0.15	30	0.64	658
L11S 3+00E	201	238	< 5	1.04	< 0.2	< 5	90	< 0.5	< 2	0.20	0.5	4	28	16	2.09	< 10	< 1	0.10	30	0.27	159
L11S 3+25E	201	238	< 5	1.56	< 0.2	< 5	140	< 0.5	< 2	0.18	0.5	5	38	11	2.97	< 10	< 1	0.12	30	0.45	173
L11S 3+50E	201	238	< 5	1.35	< 0.2	< 5	100	< 0.5	< 2	0.17	0.5	4	44	8	2.30	< 10	< 1	0.12	30	0.54	139
L11S 3+75E	201	238	< 5	1.59	< 0.2	< 5	130	< 0.5	< 2	0.19	0.5	6	35	10	2.83	< 10	< 1	0.16	20	0.50	192
L11S 4+00E	201	238	< 5	1.85	0.2	< 5	150	< 0.5	< 2	0.15	0.5	6	40	15	2.95	< 10	< 1	0.10	20	0.41	181
L12S 4+25E	201	238	< 5	1.25	< 0.2	< 5	90	< 0.5	< 2	0.11	0.5	3	24	9	1.17	< 10	< 1	0.09	20	0.26	78
L12S 0+50E	201	238	< 5	2.14	0.2	5	170	< 0.5	< 2	0.07	< 0.5	6	71	17	2.65	< 10	< 1	0.35	30	1.02	266
L12S 0+75E	201	238	< 5	1.79	0.2	< 5	160	< 0.5	< 2	0.09	0.5	6	91	12	3.03	< 10	< 1	0.22	20	0.93	166
L12S 1+00E	201	238	< 5	2.95	0.6	5	180	< 0.5	< 2	0.30	0.5	14	90	23	3.74	< 10	< 1	0.25	20	1.68	700
L12S 1+25E	201	238	< 5	1.99	0.6	< 5	180	< 0.5	< 2	0.19	1.0	11	186	7	3.13	< 10	< 1	0.22	20	1.57	404
L12S 1+50E	201	238	< 5	2.44	0.4	20	130	< 0.5	< 2	0.05	0.5	14	103	16	3.87	< 10	< 1	0.26	30	1.50	255
L12S 1+75E	201	238	< 5	1.62	0.2	< 5	100	< 0.5	< 2	0.14	0.5	6	38	8	3.15	< 10	< 1	0.09	30	0.55	140
L12S 2+00E	201	238	< 5	1.83	0.8	< 5	140	< 0.5	< 2	0.21	1.0	6	43	19	3.00	< 10	< 1	0.14	30	0.64	215
L12S 2+25E	201	238	< 5	1.54	0.2	5	100	< 0.5	< 2	0.19	0.5	6	38	14	2.61	< 10	< 1	0.12	30	0.61	210
L12S 2+50E	201	238	< 5	1.55	0.6	< 5	110	< 0.5	< 2	0.16	0.5	6	35	13	2.14	< 10	< 1	0.11	20	0.51	153
L12S 2+75E	201	238	< 5	2.01	0.2	< 5	130	< 0.5	< 2	0.18	1.0	8	50	23	3.14	< 10	< 1	0.15	30	0.73	239
L12S 3+00E	201	238	< 5	0.99	0.2	< 5	70	< 0.5	< 2	0.17	0.5	4	27	13	1.63	< 10	< 1	0.07	20	0.34	134
L12S 3+25E	201	238	< 5	1.80	< 0.2	5	130	< 0.5	< 2	0.13	< 0.5	7	40	15	2.27	< 10	< 1	0.12	30	0.51	181
L12S 3+50E	201	238	< 5	1.83	0.2	< 5	130	< 0.5	< 2	0.20	1.0	6	48	17	3.08	< 10	< 1	0.13	30	0.76	214
L12S 3+75E	201	238	< 5	1.77	0.4	5	130	< 0.5	< 2	0.19	0.5	5	44	22	3.39	< 10	< 1	0.16	20	0.51	221
L12S 4+00E	201	238	< 5	2.49	0.4	5	200	< 0.5	< 2	0.19	< 0.5	12	46	22	2.96	< 10	< 1	0.14	30	0.64	455
L12S 4+25E	201	238	10	2.00	0.8	< 5	140	< 0.5	< 2	0.28	1.0	7	43	44	2.55	< 10	< 1	0.16	80	0.39	285
L12S 4+50E	201	238	5	1.12	< 0.2	< 5	130	< 0.5	< 2	0.15	0.5	3	33	8	1.90	< 10	< 1	0.08	30	0.34	120
L12S 4+75E	201	238	30	1.47	< 0.2	< 5	100	< 0.5	< 2	0.15	0.5	7	102	12	2.51	< 10	< 1	0.10	30	0.95	160
L12S 5+00E	201	238	10	1.35	0.2	< 5	140	< 0.5	< 2	0.16	0.5	6	59	13	2.45	< 10	< 1	0.14	30	0.61	147
L12S 5+25E	201	238	< 5	1.38	0.2	< 5	170	< 0.5	< 2	0.15	< 0.5	5	63	7	1.68	< 10	< 1	0.13	30	0.59	142
L12S 5+50E	201	238	< 5	1.60	0.2	< 5	110	< 0.5	< 2	0.17	0.5	5	57	9	2.80	< 10	< 1	0.12	30	0.53	124
L12S 5+75E	201	238	< 5	1.59	0.4	5	160	< 0.5	< 2	0.07	0.5	5	63	11	3.54	< 10	< 1	0.15	30	0.46	108
L12S 6+00E	201	238	< 5	2.11	0.2	< 5	130	< 0.5	< 2	0.16	0.5	5	58	16	3.67	< 10	< 1	0.14	30	0.78	185
L12S 6+25E	201	238	< 5	1.97	< 0.2	5	120	< 0.5	< 2	0.11	< 0.5	6	51	17	2.86	< 10	< 1	0.15	30	0.85	219
L12S 6+50E	201	238	< 5	2.14	0.4	< 5	120	< 0.5	< 2	0.13	0.5	13	58	21	3.07	< 10	< 1	0.13	30	0.80	404
L13S 0+00E	201	238	< 5	1.83	0.2	< 5	150	< 0.5	< 2	0.14	0.5	6	46	4	2.51	< 10	< 1	0.20	20	1.39	65
L13S 0+25E	201	238	< 5	2.05	0.2	< 5	110	< 0.5	< 2	0.11	< 0.5	6	189	10	2.62	10	< 1	0.16	20	1.89	116
L13S 0+50E	201	238	< 5	1.65	0.4	< 5	100	< 0.5	< 2	0.10	0.5	6	63	10	3.59	10	< 1	0.11	40	0.53	122
L13S 0+75E	201	238	< 5	1.75	0.4	< 5	120	< 0.5	< 2	0.12	0.5	5	82	7	2.76	10	< 1	0.18	30	0.66	161

CERTIFICATION :





# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVF, NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK  
 Comments: ATTN: ART TROUP CC: K. AKMURST

Page No: 7-B  
 Tot. H: 9  
 Date: 29-SEP-87  
 Invoice #: I-8722473  
 P.O. #:

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L11S 1+75E	201 238	< 1	0.01	103	630	8	< 5	< 10	34	0.08	< 10	< 10	57	< 5	213
L11S 2+00E	201 238	< 1	< 0.01	23	1090	10	< 5	< 10	20	0.05	< 10	< 10	47	< 5	87
L11S 2+25E	201 238	< 1	0.01	25	370	10	< 5	< 10	23	0.08	< 10	< 10	33	< 5	99
L11S 2+50E	201 238	1	0.01	30	840	10	< 5	< 10	24	0.08	< 10	< 10	43	< 5	119
L11S 2+75E	201 238	1	0.01	59	450	14	< 5	< 10	26	0.07	< 10	< 10	57	< 5	135
L11S 3+00E	201 238	2	< 0.01	15	500	4	< 5	< 10	17	0.07	< 10	< 10	41	< 5	71
L11S 3+25E	201 238	1	0.01	18	490	4	< 5	< 10	17	0.10	< 10	< 10	45	< 5	77
L11S 3+50E	201 238	1	< 0.01	23	630	8	< 5	< 10	14	0.09	< 10	< 10	35	< 5	67
L11S 3+75E	201 238	< 1	0.01	19	1180	10	< 5	< 10	16	0.09	< 10	< 10	42	< 5	73
L11S 4+00E	201 238	1	0.01	23	1010	6	< 5	< 10	16	0.08	< 10	< 10	44	< 5	109
L11S 4+25E	201 238	1	< 0.01	11	300	6	< 5	< 10	15	0.03	< 10	< 10	36	< 5	41
L12S 0+50E	201 238	< 1	< 0.01	56	520	14	< 5	< 10	14	0.06	< 10	< 10	36	< 5	75
L12S 0+75E	201 238	< 1	< 0.01	60	860	12	< 5	< 10	7	0.08	< 10	< 10	46	< 5	98
L12S 1+00E	201 238	< 1	0.01	137	520	12	< 5	< 10	18	0.06	< 10	< 10	42	< 5	144
L12S 1+25E	201 238	< 1	0.01	134	630	4	< 5	< 10	9	0.06	< 10	< 10	38	< 5	114
L12S 1+50E	201 238	< 1	< 0.01	143	520	14	< 5	< 10	4	0.05	< 10	< 10	32	< 5	125
L12S 1+75E	201 238	1	0.01	22	740	8	< 5	< 10	14	0.07	< 10	< 10	42	< 5	89
L12S 2+00E	201 238	1	0.01	31	850	6	< 5	< 10	19	0.07	< 10	< 10	41	< 5	112
L12S 2+25E	201 238	2	0.01	28	870	8	< 5	< 10	17	0.06	< 10	< 10	38	< 5	102
L12S 2+50E	201 238	1	0.01	26	420	8	< 5	< 10	15	0.07	< 10	< 10	39	< 5	96
L12S 2+75E	201 238	3	0.01	41	540	6	< 5	< 10	18	0.07	< 10	< 10	44	< 5	116
L12S 3+00E	201 238	2	0.01	18	340	8	< 5	< 10	14	0.07	< 10	< 10	32	< 5	75
L12S 3+25E	201 238	2	0.01	26	270	10	< 5	< 10	15	0.07	< 10	< 10	42	< 5	104
L12S 3+50E	201 238	2	0.01	36	750	16	< 5	< 10	18	0.07	< 10	< 10	42	< 5	106
L12S 3+75E	201 238	3	0.01	28	1140	10	< 5	< 10	18	0.08	< 10	< 10	64	< 5	106
L12S 4+00E	201 238	1	0.01	32	360	8	< 5	< 10	23	0.08	< 10	< 10	53	< 5	107
L12S 4+25E	201 238	2	0.01	41	800	16	< 5	< 10	29	0.05	< 10	< 10	42	< 5	103
L12S 4+50E	201 238	1	< 0.01	20	680	8	< 5	< 10	12	0.05	< 10	< 10	35	< 5	61
L12S 4+75E	201 238	< 1	< 0.01	75	620	4	< 5	< 10	13	0.06	< 10	< 10	35	< 5	83
L12S 5+00E	201 238	1	0.01	49	650	4	< 5	< 10	15	0.06	< 10	< 10	34	< 5	75
L12S 5+25E	201 238	< 1	0.01	34	200	4	< 5	< 10	15	0.06	< 10	< 10	31	< 5	73
L12S 5+50E	201 238	1	0.01	31	1170	8	< 5	< 10	16	0.07	< 10	< 10	49	< 5	90
L12S 5+75E	201 238	3	0.01	41	1270	8	< 5	< 10	11	0.04	< 10	< 10	46	< 5	89
L12S 6+00E	201 238	1	0.01	41	710	8	< 5	< 10	17	0.08	< 10	< 10	50	< 5	112
L12S 6+25E	201 238	1	0.01	38	240	8	< 5	< 10	15	0.07	< 10	< 10	37	< 5	109
L12S 6+50E	201 238	2	0.01	54	330	10	< 5	< 10	15	0.05	< 10	< 10	45	< 5	154
L13S 0+00E	201 238	< 1	< 0.01	33	860	10	< 5	< 10	9	0.07	< 10	< 10	57	< 5	74
L13S 0+25E	201 238	< 1	< 0.01	113	760	4	< 5	< 10	6	0.08	< 10	< 10	62	< 5	95
L13S 0+50E	201 238	1	0.01	31	1440	12	< 5	< 10	13	0.04	< 10	< 10	55	< 5	76
L13S 0+75E	201 238	1	0.01	43	610	4	< 5	< 10	11	0.10	< 10	< 10	55	< 5	71

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project : LIGHTNING CREEK

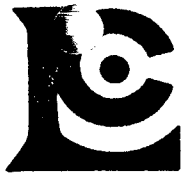
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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
L13S 1+00E	201	238	< 5	2.73	0.4	5	170	< 0.5	< 2	0.17	0.5	15	69	21	3.62	< 10	< 1	0.20	20	0.80	480
L13S 1+25E	201	238	< 5	1.59	0.2	< 5	90	< 0.5	< 2	0.22	0.5	5	53	10	2.92	< 10	< 1	0.09	20	0.56	180
L13S 1+50E	201	238	10	1.34	0.2	< 5	80	< 0.5	< 2	0.17	0.5	6	37	10	2.19	< 10	< 1	0.10	30	0.51	184
L13S 1+75E	201	238	< 5	2.74	0.6	5	200	< 0.5	< 2	0.15	0.5	16	74	28	3.75	< 10	< 1	0.22	20	0.88	546
L13S 2+00E	201	238	< 5	1.90	0.4	5	150	< 0.5	< 2	0.17	0.5	7	64	14	3.69	< 10	< 1	0.13	20	0.77	247
L13S 2+25E	201	238	< 5	1.54	0.4	< 5	140	< 0.5	< 2	0.16	0.5	7	36	18	2.89	< 10	< 1	0.12	30	0.53	207
L13S 2+50E	201	238	< 5	2.50	1.4	5	180	< 0.5	< 2	0.18	1.5	13	104	18	3.64	< 10	< 1	0.13	20	0.62	329
L13S 2+75E	201	238	< 5	1.42	0.2	< 5	130	< 0.5	< 2	0.19	0.5	6	40	12	2.23	< 10	< 1	0.10	30	0.55	142
L13S 3+00E	201	238	< 5	1.97	3.8	< 5	160	< 0.5	< 2	0.20	1.0	5	46	13	4.26	< 10	< 1	0.11	30	0.59	186
L13S 3+25E	201	238	< 5	1.59	0.2	< 5	140	< 0.5	< 2	0.21	0.5	7	40	20	2.55	< 10	< 1	0.15	30	0.61	181
L13S 3+50E	201	238	< 5	1.76	0.2	< 5	130	< 0.5	< 2	0.27	0.5	7	42	18	2.35	< 10	< 1	0.11	40	0.62	303
L13S 3+75E	201	238	< 5	1.96	0.4	5	170	< 0.5	< 2	0.16	0.5	7	42	18	2.46	< 10	< 1	0.12	30	0.53	357
L13S 4+00E	201	238	< 5	1.96	0.2	< 5	140	< 0.5	< 2	0.15	0.5	7	41	18	2.22	< 10	< 1	0.11	30	0.45	171
L13S 4+25E	201	238	< 5	1.92	0.4	5	200	< 0.5	< 2	0.25	< 0.5	8	53	13	1.78	< 10	< 1	0.12	20	0.74	594
L13S 4+50E	201	238	< 5	2.28	0.4	< 5	180	< 0.5	< 2	0.33	0.5	18	76	30	3.22	< 10	< 1	0.18	40	0.82	528
L13S 4+75E	201	238	< 5	1.82	0.4	< 5	130	< 0.5	< 2	0.19	1.0	6	47	18	3.20	< 10	< 1	0.14	30	0.76	177
L13S 5+00E	201	238	< 5	1.65	< 0.2	< 5	130	< 0.5	< 2	0.19	0.5	7	64	20	2.54	< 10	< 1	0.12	30	0.78	225
L13S 5+25E	201	238	< 5	1.87	< 0.2	15	130	< 0.5	< 2	0.16	< 0.5	6	53	20	3.12	< 10	< 1	0.12	30	0.78	208
L13S 5+50E	201	238	< 5	1.76	0.4	< 5	130	0.5	< 2	0.16	< 0.5	8	43	16	2.94	< 10	< 1	0.10	30	0.70	182
L13S 5+75E	201	238	< 5	1.71	0.4	< 5	120	0.5	< 2	0.15	0.5	7	38	16	2.41	< 10	< 1	0.10	30	0.69	175
L13S 6+00E	201	238	< 5	1.97	0.4	10	150	0.5	< 2	0.14	0.5	9	45	17	2.89	< 10	< 1	0.11	30	0.77	225
L14 0+00E	201	238	< 5	1.75	0.8	< 5	160	0.5	< 2	0.10	< 0.5	8	93	14	2.67	< 10	2	0.24	30	1.07	169
L14 0+25E	201	238	< 5	1.89	0.2	10	90	0.5	< 2	0.43	< 0.5	11	65	13	2.57	< 10	< 1	0.12	20	0.72	162
L14 0+50E	201	238	< 5	1.77	0.2	5	90	0.5	< 2	0.18	< 0.5	10	67	20	3.25	< 10	< 1	0.12	20	0.80	181
L14 0+75E	201	238	< 5	1.70	0.4	< 5	80	0.5	< 2	0.14	0.5	7	46	12	3.03	< 10	2	0.08	20	0.52	157
L14 1+00E	201	238	< 5	1.57	0.4	< 5	80	0.5	< 2	0.14	< 0.5	9	44	13	2.21	< 10	1	0.10	30	0.57	187
L14 1+25E	201	238	< 5	1.90	0.2	< 5	110	0.5	< 2	0.15	< 0.5	10	49	23	3.13	< 10	< 1	0.16	30	0.75	307
L14 1+26E	201	238	< 5	2.36	0.4	15	190	1.0	< 2	0.15	< 0.5	13	54	28	3.49	< 10	1	0.15	30	0.72	244
L14 1+50E	201	238	< 5	1.28	0.2	< 5	110	< 0.5	2	0.12	< 0.5	3	28	10	1.78	< 10	< 1	0.12	30	0.32	98
L14 1+75E	201	238	< 5	1.31	0.4	5	100	< 0.5	< 2	0.12	< 0.5	3	37	10	2.09	< 10	< 1	0.09	30	0.29	107
L14 2+00E	201	238	< 5	1.18	0.2	5	120	0.5	< 2	0.16	< 0.5	5	32	12	2.08	< 10	1	0.12	30	0.41	132
L14 2+25E	201	238	< 5	1.59	0.2	< 5	90	0.5	< 2	0.08	0.5	5	39	14	3.39	< 10	4	0.07	30	0.44	160
L14 2+50E	201	238	< 5	1.72	0.2	< 5	110	0.5	2	0.14	0.5	7	39	15	2.72	< 10	< 1	0.12	30	0.55	173
L14 2+75E	201	238	< 5	2.16	0.4	10	180	1.0	< 2	0.15	0.5	8	47	23	3.67	< 10	< 1	0.17	30	0.61	245
L14 3+00E	201	238	< 5	2.28	0.2	< 5	210	1.0	< 2	0.19	1.5	8	49	24	3.85	< 10	< 1	0.18	30	0.58	187
L14 3+25E	201	238	< 5	1.55	1.0	10	80	0.5	< 2	0.12	< 0.5	5	33	14	2.81	< 10	< 1	0.10	30	0.51	148
L14 3+50E	201	238	< 5	1.58	0.4	< 5	120	0.5	< 2	0.11	< 0.5	6	38	12	2.51	< 10	1	0.10	30	0.58	193
L14 3+75E	201	238	< 5	0.69	< 0.2	< 5	50	< 0.5	2	0.10	< 0.5	3	19	7	0.99	< 10	2	0.07	30	0.21	60
L14 4+00E	201	238	< 5	1.45	< 0.2	< 5	60	0.5	< 2	0.22	< 0.5	11	43	18	2.62	< 10	1	0.09	20	0.72	314
L14 4+25E	201	238	< 5	2.55	1.6	5	230	1.0	< 2	0.33	2.5	20	82	97	3.56	< 10	1	0.17	40	0.65	1195

CERTIFICATION :



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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project : LIGHTNING CREEK  
 Comments: ATTN: ART TROUP CC: K AKMURST

Page # : 8-B  
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 Date : 29-SEP-87  
 Invoice # : I-8722473  
 P.O. # :

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L13S 1+00E	201 238	< 1	0.01	47	860	16	< 5	< 10	17	0.10	< 10	< 10	45	< 5	129
L13S 1+25E	201 238	< 1	0.01	26	680	6	< 5	< 10	15	0.12	< 10	< 10	47	< 5	73
L13S 1+50E	201 238	1	0.01	22	630	8	< 5	< 10	13	0.07	< 10	< 10	31	< 5	70
L13S 1+75E	201 238	1	0.01	52	460	6	< 5	< 10	17	0.09	< 10	< 10	58	< 5	136
L13S 2+00E	201 238	< 1	0.01	36	1340	4	< 5	< 10	14	0.09	< 10	< 10	43	< 5	97
L13S 2+25E	201 238	2	0.01	33	950	6	< 5	< 10	16	0.05	< 10	< 10	33	< 5	106
L13S 2+50E	201 238	1	0.01	71	2430	4	< 5	< 10	15	0.06	< 10	< 10	47	< 5	172
L13S 2+75E	201 238	< 1	0.01	27	920	10	< 5	< 10	17	0.05	< 10	< 10	34	< 5	94
L13S 3+00E	201 238	1	0.01	25	2610	6	< 5	< 10	18	0.07	< 10	< 10	59	< 5	99
L13S 3+25E	201 238	3	0.01	35	560	4	< 5	< 10	20	0.06	< 10	< 10	38	< 5	113
L13S 3+50E	201 238	1	0.01	37	330	6	< 5	< 10	25	0.06	< 10	< 10	37	< 5	88
L13S 3+75E	201 238	1	0.01	38	560	10	< 5	< 10	15	0.06	< 10	< 10	43	< 5	109
L13S 4+00E	201 238	< 1	0.01	29	320	8	< 5	< 10	17	0.08	< 10	< 10	47	< 5	90
L13S 4+25E	201 238	< 1	0.01	118	270	4	< 5	< 10	20	0.07	< 10	< 10	44	< 5	114
L13S 4+50E	201 238	< 1	0.01	76	550	12	< 5	< 10	26	0.11	< 10	< 10	45	< 5	117
L13S 4+75E	201 238	4	0.01	45	540	4	< 5	< 10	19	0.05	< 10	< 10	47	< 5	121
L13S 5+00E	201 238	2	0.01	52	600	6	< 5	< 10	18	0.07	< 10	< 10	37	< 5	106
L13S 5+25E	201 238	2	0.01	43	770	6	< 5	< 10	15	0.06	< 10	< 10	40	< 5	109
L13S 5+50E	201 238	2	0.01	33	900	10	< 5	< 10	14	0.07	10	< 10	42	< 5	108
L13S 5+75E	201 238	2	0.01	30	490	6	< 5	< 10	13	0.06	10	< 10	36	< 5	104
L13S 6+00E	201 238	3	0.01	33	490	< 2	< 5	< 10	13	0.06	< 10	< 10	44	< 5	139
L14 0+00E	201 238	< 1	< 0.01	64	890	18	< 5	< 10	8	0.07	< 10	< 10	52	< 5	87
L14 0+25E	201 238	< 1	0.01	59	350	4	< 5	< 10	26	0.09	< 10	< 10	40	< 5	81
L14 0+50E	201 238	< 1	0.01	50	1100	26	< 5	< 10	13	0.07	< 10	< 10	35	< 5	92
L14 0+75E	201 238	1	0.01	20	630	4	< 5	< 10	12	0.09	< 10	< 10	41	< 5	71
L14 1+00E	201 238	< 1	0.01	22	310	4	< 5	< 10	13	0.09	< 10	< 10	31	< 5	73
L14 1+25E	201 238	1	0.01	35	530	6	< 5	< 10	15	0.08	10	< 10	35	< 5	92
L14 1+26E	201 238	< 1	0.01	40	630	10	< 5	< 10	16	0.06	10	< 10	40	< 5	114
L14 1+50E	201 238	2	0.01	12	420	12	< 5	< 10	13	0.06	10	< 10	39	< 5	53
L14 1+75E	201 238	< 1	0.01	13	420	6	< 5	< 10	12	0.07	< 10	< 10	38	< 5	54
L14 2+00E	201 238	1	0.01	20	770	14	< 5	< 10	15	0.07	10	< 10	37	< 5	63
L14 2+25E	201 238	3	0.01	20	1080	6	< 5	< 10	10	0.05	< 10	< 10	43	< 5	71
L14 2+50E	201 238	2	0.01	26	680	14	< 5	< 10	14	0.06	10	< 10	37	< 5	91
L14 2+75E	201 238	1	0.01	36	840	18	< 5	< 10	16	0.06	10	< 10	46	< 5	121
L14 3+00E	201 238	4	0.01	32	1600	18	< 5	< 10	18	0.05	< 10	< 10	51	< 5	135
L14 3+25E	201 238	5	0.01	23	730	6	< 5	< 10	12	0.05	10	< 10	47	< 5	84
L14 3+50E	201 238	2	0.01	25	280	2	< 5	< 10	12	0.06	10	< 10	35	< 5	79
L14 3+75E	201 238	1	< 0.01	8	440	4	< 5	< 10	9	0.05	10	< 10	21	< 5	43
L14 4+00E	201 238	1	0.01	32	410	6	< 5	< 10	14	0.10	< 10	< 10	29	< 5	71
L14 4+25E	201 238	1	0.01	151	660	26	< 5	< 10	31	0.04	10	< 10	51	< 5	157

CERTIFICATION :



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKMURST

Page: 9-A  
Total: 9  
Date: 29-SEP-87  
Invoice #: I-8722473  
P.O. #:

## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L14 4+50E	201 238	< 5	1.54	0.2	< 5	110	0.5	< 2	0.11	0.5	8	38	18	2.75	< 10	< 1	0.10	30	0.61	239
L14 4+75E	201 238	< 5	1.84	0.4	< 5	150	0.5	< 2	0.19	0.5	7	41	20	2.78	< 10	< 1	0.14	30	0.64	181
L14 5+00E	201 238	< 5	1.64	0.4	< 5	170	0.5	< 2	0.20	0.5	6	40	13	2.06	< 10	< 1	0.16	30	0.55	176
L14 5+25E	201 238	< 5	1.60	0.4	< 5	130	0.5	< 2	0.12	< 0.5	6	41	13	2.12	< 10	1	0.13	30	0.61	181
L14 5+50E	201 238	< 5	1.38	0.2	5	90	0.5	< 2	0.16	< 0.5	7	37	15	2.12	< 10	2	0.09	30	0.61	171
L14 5+75E	201 238	15	1.37	0.4	5	90	0.5	< 2	0.11	< 0.5	3	31	13	2.61	< 10	1	0.09	30	0.36	113
L14 6+00E	201 238	< 5	1.30	0.2	5	95	< 0.5	< 2	0.13	0.5	4	25	11	1.67	< 10	< 1	0.07	20	0.37	119

CERTIFICATION :



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1900 - 999 W. HASTINGS ST.  
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V6C 2W2

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Comments: ATTN: ART TROUP CC: K. AKMURST

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## CERTIFICATE OF ANALYSIS A8722473

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
L14 4+50E	201	238	5	0.01	30	430	12	< 5	< 10	12	0.04	10	< 10	40	< 5	110
L14 4+75E	201	238	4	0.01	32	600	18	< 5	< 10	18	0.06	10	< 10	44	< 5	104
L14 5+00E	201	238	2	0.01	26	510	16	< 5	< 10	19	0.06	10	< 10	43	< 5	88
L14 5+25E	201	238	3	0.01	30	270	4	< 5	< 10	15	0.06	10	< 10	39	< 5	83
L14 5+50E	201	238	1	0.01	29	290	2	< 5	< 10	15	0.06	10	< 10	35	< 5	89
L14 5+75E	201	238	4	0.01	16	1170	12	< 5	< 10	12	0.06	10	< 10	57	< 5	79
L14 6+00E	201	238	3	0.01	16	330	20	< 5	< 10	12	0.07	< 10	< 10	37	< 5	78

CERTIFICATION : BCJ



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
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PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
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V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKHURST

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Invoice #: I-8723121  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8723121

SAMPLE DESCRIPTION	PREP CODE		Au	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			oz/T	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
LC LIS 547E	207	238	< 0.002	0.67	0.8	< 5	220	< 0.5	< 2	0.12	< 0.5	< 1	24	42	1.25	< 10	< 1	0.34	< 10	0.23	36
LC LIS 546E	207	238	< 0.002	1.48	0.6	< 5	280	< 0.5	2	0.23	8.0	.5	27	44	1.82	< 10	1	0.66	10	0.78	119

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-3C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: ART TROUP CC: K. AKHURST

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Date: 7-OCT-87  
Invoice #: I-8723121  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8723121

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LC LIS 5+47E	207	238	14	< 0.01	10	170	1230	< 5	< 10	5	0.01	< 10	< 10	435	< 5	36
LC LIS 5+60E	207	238	19	< 0.01	27	620	202	< 5	< 10	10	0.07	< 10	< 10	174	< 5	391

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

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112 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
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V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

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Tot. Pgs: 5  
Date: 21-OCT-87  
Invoice #: I-8724124  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L8S 0+00E	201 238	< 5	1.98	0.2	< 5	120	< 0.5	< 2	0.37	0.5	12	53	21	3.23	< 10	< 1	0.14	30	0.79	394
L8S 0+25E	201 238	< 5	1.38	0.2	< 5	130	< 0.5	< 2	0.20	0.5	9	50	19	2.88	< 10	< 1	0.12	20	0.49	647
L8S 0+50E	201 238	< 5	1.95	0.2	10	80	< 0.5	< 2	0.31	< 0.5	11	60	19	3.89	< 10	< 1	0.10	20	0.95	330
L8S 0+75E	201 238	< 5	1.34	0.2	10	100	< 0.5	< 2	0.21	0.5	8	53	19	3.24	< 10	< 1	0.11	20	0.52	330
L8S 1+00E	201 238	< 5	1.55	0.2	< 5	120	< 0.5	< 2	0.32	1.0	11	57	19	3.44	< 10	< 1	0.16	20	0.63	540
L9S 0+00E	201 238	< 5	1.76	0.2	5	100	< 0.5	< 2	0.22	0.5	7	58	27	3.61	< 10	< 1	0.12	20	0.55	200
L9S 0+25E	201 238	< 5	1.73	0.2	15	90	< 0.5	< 2	0.27	< 0.5	9	65	25	3.38	< 10	< 1	0.15	20	0.65	261
L9S 0+50E	201 238	< 5	1.87	0.2	10	110	< 0.5	< 2	0.26	0.5	9	66	29	3.37	< 10	< 1	0.15	20	0.70	218
L9S 0+75E	201 238	< 5	1.74	0.2	5	120	< 0.5	< 2	0.25	1.0	8	63	19	3.72	< 10	< 1	0.11	30	0.71	292
L9S 1+00E	201 238	< 5	1.37	0.2	< 5	110	< 0.5	< 2	0.28	0.5	8	60	16	2.89	< 10	< 1	0.14	30	0.54	326
L9S 1+25E	201 238	< 5	1.69	0.2	10	120	< 0.5	< 2	0.23	0.5	8	69	20	4.23	< 10	< 1	0.12	20	0.60	240
L9S 1+50E	201 238	< 5	1.25	0.2	< 5	80	< 0.5	< 2	0.17	< 0.5	4	32	13	1.75	< 10	< 1	0.14	20	0.30	98
L9S 1+75E	201 238	< 5	1.15	0.2	10	90	< 0.5	< 2	0.17	0.5	5	54	18	2.55	< 10	< 1	0.09	20	0.39	141
L9S 2+00E	201 238	< 5	1.05	1.6	5	90	< 0.5	< 2	0.18	0.5	6	60	20	2.81	< 10	< 1	0.13	20	0.40	331
L9S 2+25E	201 238	< 5	1.69	0.2	15	100	< 0.5	< 2	0.21	0.5	9	66	24	4.05	< 10	< 1	0.17	20	0.71	232
L9S 2+50E	201 238	< 5	1.27	0.2	< 5	90	< 0.5	< 2	0.29	0.5	3	48	8	1.42	< 10	< 1	0.10	10	0.32	110
L9S 2+75E	217 238	< 5	0.09	1.0	< 5	100	< 0.5	2	0.54	0.5	1	3	8	0.12	< 10	< 1	0.23	< 10	0.08	587
L9S 3+00E	201 238	< 5	1.92	0.2	5	140	< 0.5	< 2	0.29	0.5	9	80	25	4.12	< 10	< 1	0.12	20	0.94	255
L9S 3+25E	203 238	< 5	1.22	0.2	< 5	140	< 0.5	< 2	0.87	1.0	13	176	29	2.48	< 10	< 1	0.21	30	0.61	509
L9S 3+50E	201 238	< 5	1.39	0.2	< 5	90	< 0.5	2	0.48	0.5	14	51	31	3.02	< 10	< 1	0.13	30	0.64	433
L9S 3+75E	201 238	< 5	1.10	0.2	5	90	< 0.5	< 2	0.30	< 0.5	7	45	13	2.31	< 10	< 1	0.08	20	0.45	276
L9S 4+00E	201 238	< 5	1.55	0.2	15	80	< 0.5	< 2	0.21	< 0.5	7	53	15	3.54	< 10	< 1	0.09	20	0.61	217
L9S 4+25E	201 238	< 5	1.54	0.2	< 5	70	< 0.5	< 2	0.21	0.5	8	56	17	3.58	< 10	< 1	0.10	20	0.64	203
L9S 4+50E	201 238	< 5	1.16	0.2	< 5	70	< 0.5	< 2	0.19	< 0.5	4	37	6	2.39	< 10	< 1	0.08	20	0.40	118
L9S 4+75E	201 238	< 5	1.48	0.2	< 5	80	< 0.5	< 2	0.23	0.5	8	57	16	2.61	< 10	< 1	0.09	30	0.55	169
L9S 5+00E	201 238	< 5	1.67	0.2	10	90	< 0.5	< 2	0.32	0.5	8	47	13	3.56	< 10	< 1	0.12	30	0.68	257
L9S 5+25E	201 238	10	1.59	0.2	< 5	90	< 0.5	2	0.37	0.5	11	80	23	3.49	< 10	< 1	0.11	30	0.79	249
L9S 5+75E	201 238	< 5	1.49	0.2	25	120	< 0.5	< 2	0.35	0.5	12	80	24	4.14	< 10	< 1	0.14	20	0.69	409
L9S 6+00E	201 238	< 5	2.34	0.2	< 5	80	< 0.5	< 2	0.27	0.5	18	154	41	4.22	< 10	< 1	0.09	20	1.22	403
L9S 6+25E	201 238	< 5	1.42	0.2	< 5	130	< 0.5	< 2	0.33	0.5	10	52	24	3.81	< 10	< 1	0.08	10	0.54	418
L9S 6+50E	201 238	< 5	1.53	0.2	5	200	< 0.5	< 2	0.38	< 0.5	10	56	16	3.36	< 10	< 1	0.11	20	0.65	261
L9S 6+75E	201 238	< 5	1.21	0.2	< 5	80	< 0.5	< 2	0.15	0.5	6	57	19	3.42	< 10	< 1	0.07	20	0.27	231
L9S 7+00E	201 238	< 5	1.63	0.2	10	110	< 0.5	< 2	0.29	0.5	11	58	25	3.89	< 10	< 1	0.08	20	0.64	266
L9S 7+25E	201 238	< 5	1.73	0.2	10	80	< 0.5	< 2	0.18	0.5	12	69	50	4.45	< 10	< 1	0.08	30	0.70	316
L9S 7+50E	201 238	< 5	1.88	0.2	< 5	60	< 0.5	< 2	0.23	< 0.5	9	75	16	3.56	< 10	1	0.05	30	0.64	192
L9S 7+75E	201 238	< 5	1.34	0.2	< 5	60	< 0.5	2	0.27	< 0.5	4	37	5	1.72	< 10	< 1	0.06	30	0.30	115
L9S 8+00E	201 238	< 5	1.94	0.2	5	70	< 0.5	< 2	0.15	< 0.5	11	61	22	4.38	< 10	< 1	0.07	30	0.61	216
L9S 8+25E	201 238	< 5	1.79	0.2	< 5	70	< 0.5	< 2	0.21	< 0.5	11	69	21	3.23	< 10	< 1	0.07	30	0.73	240
L9S 8+50E	201 238	< 5	0.69	0.2	10	60	< 0.5	< 2	0.09	< 0.5	7	9	13	2.19	< 10	< 1	0.05	60	0.07	299
L9S 8+75E	201 238	< 5	1.76	0.2	10	70	< 0.5	< 2	0.07	< 0.5	9	33	19	3.48	< 10	< 1	0.07	40	0.65	222

CERTIFICATION :





# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

Page No. : 1-B  
 Tot. P. : 5  
 Date : 21-OCT-87  
 Invoice # : I-8724124  
 P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE		Mb	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
L8S 0+00E	201	238	< 1	< 0.01	36	550	14	5	< 10	26	0.14	< 10	< 10	37	< 5	89
L8S 0+25E	201	238	< 1	< 0.01	32	930	< 2	5	< 10	18	0.07	< 10	< 10	36	< 5	87
L8S 0+50E	201	238	< 1	< 0.01	40	1290	< 2	5	< 10	21	0.13	< 10	< 10	42	< 5	103
L8S 0+75E	201	238	2	< 0.01	40	1280	20	5	< 10	17	0.09	< 10	< 10	44	< 5	81
L8S 1+00E	201	238	1	< 0.01	41	1770	8	5	< 10	20	0.09	< 10	< 10	41	< 5	117
L9S 0+00E	201	238	1	< 0.01	45	1870	22	5	< 10	19	0.10	< 10	< 10	43	< 5	158
L9S 0+25E	201	238	2	< 0.01	65	1560	20	< 5	< 10	19	0.10	< 10	< 10	39	< 5	142
L9S 0+50E	201	238	1	< 0.01	67	1390	8	< 5	< 10	19	0.13	< 10	< 10	42	< 5	172
L9S 0+75E	201	238	2	< 0.01	50	1620	6	5	< 10	20	0.09	10	< 10	40	< 5	128
L9S 1+00E	201	238	1	< 0.01	39	1640	< 2	< 5	< 10	21	0.09	10	< 10	50	< 5	84
L9S 1+25E	201	238	4	< 0.01	57	2390	16	< 5	< 10	19	0.09	10	< 10	57	< 5	119
L9S 1+50E	201	238	1	< 0.01	24	560	12	< 5	< 10	12	0.12	< 10	< 10	26	< 5	56
L9S 1+75E	201	238	1	< 0.01	41	1640	20	5	< 10	15	0.06	< 10	< 10	32	< 5	73
L9S 2+00E	201	238	2	< 0.01	35	1500	12	< 5	< 10	17	0.10	10	< 10	40	< 5	68
L9S 2+25E	201	238	1	< 0.01	60	1410	26	5	< 10	18	0.12	< 10	< 10	37	< 5	169
L9S 2+50E	201	238	< 1	< 0.01	21	670	18	< 5	< 10	22	0.13	< 10	< 10	29	< 5	50
L9S 2+75E	217	238	< 1	< 0.01	4	1620	8	5	< 10	16	< 0.01	< 10	< 10	1	< 5	63
L9S 3+00E	201	238	< 1	< 0.01	49	1780	8	< 5	< 10	24	0.13	< 10	< 10	52	< 5	98
L9S 3+25E	203	238	1	0.01	47	1070	12	10	< 10	36	0.10	10	< 10	29	< 5	95
L9S 3+50E	201	238	< 1	< 0.01	53	750	< 2	5	< 10	26	0.09	10	< 10	34	< 5	95
L9S 3+75E	201	238	< 1	< 0.01	31	660	12	5	< 10	19	0.16	< 10	< 10	38	< 5	76
L9S 4+00E	201	238	1	< 0.01	35	1510	6	< 5	< 10	16	0.09	< 10	< 10	39	< 5	74
L9S 4+25E	201	238	1	< 0.01	38	1520	10	< 5	< 10	18	0.11	< 10	< 10	39	< 5	82
L9S 4+50E	201	238	< 1	< 0.01	17	580	14	< 5	< 10	16	0.13	10	< 10	40	< 5	41
L9S 4+75E	201	238	< 1	< 0.01	38	980	8	< 5	< 10	19	0.10	10	< 10	36	< 5	74
L9S 5+00E	201	238	1	< 0.01	29	2100	16	< 5	< 10	25	0.11	10	< 10	42	< 5	72
L9S 5+25E	201	238	1	< 0.01	71	1020	10	< 5	< 10	23	0.08	10	< 10	38	< 5	111
L9S 5+75E	201	238	< 1	< 0.01	72	1830	16	< 5	< 10	25	0.08	10	< 10	36	< 5	128
L9S 6+00E	201	238	< 1	< 0.01	73	420	8	< 5	< 10	17	0.19	< 10	< 10	57	< 5	96
L9S 6+25E	201	238	< 1	< 0.01	28	730	26	< 5	< 10	24	0.17	10	< 10	57	< 5	100
L9S 6+50E	201	238	< 1	< 0.01	31	1180	30	< 5	< 10	25	0.18	< 10	< 10	55	< 5	90
L9S 6+75E	201	238	< 1	< 0.01	30	900	6	< 5	< 10	14	0.09	10	< 10	67	< 5	69
L9S 7+00E	201	238	2	< 0.01	38	1290	6	< 5	< 10	22	0.12	< 10	< 10	64	< 5	115
L9S 7+25E	201	238	< 1	< 0.01	46	620	12	< 5	< 10	17	0.09	10	< 10	52	< 5	97
L9S 7+50E	201	238	< 1	< 0.01	33	650	14	< 5	< 10	14	0.14	10	< 10	45	< 5	66
L9S 7+75E	201	238	< 1	< 0.01	12	510	4	< 5	< 10	19	0.17	10	< 10	41	< 5	42
L9S 8+00E	201	238	< 1	< 0.01	37	830	8	< 5	< 10	14	0.07	10	< 10	32	< 5	78
L9S 8+25E	201	238	< 1	< 0.01	37	580	8	< 5	< 10	14	0.12	10	< 10	39	< 5	60
L9S 8+50E	201	238	< 1	< 0.01	20	430	4	< 5	< 10	10	0.02	30	< 10	18	< 5	57
L9S 8+75E	201	238	< 1	< 0.01	29	520	16	< 5	< 10	9	0.03	20	< 10	28	< 5	59

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

Page No: 2-A  
Tot. Pa: 5  
Date: 21-OCT-87  
Invoice #: I-8724124  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L9S 9400E	201 238	< 5	1.91	0.2	25	60	< 0.5	< 2	0.07	< 0.5	12	47	23	3.85	< 10	< 1	0.08	40	0.82	240
L9S 9425E	201 238	< 5	1.39	0.2	20	50	< 0.5	< 2	0.14	< 0.5	12	30	34	3.36	< 10	< 1	0.08	60	0.34	456
L9S 9450E	201 238	< 5	0.84	0.2	10	30	< 0.5	< 2	0.08	< 0.5	6	16	18	2.69	< 10	< 1	0.08	60	0.16	256
L9S 9475E	201 238	< 5	1.47	< 0.2	10	50	< 0.5	2	0.03	< 0.5	7	11	28	4.73	< 10	< 1	0.07	60	0.61	265
L9S 10400E	201 238	< 5	0.77	< 0.2	< 5	70	< 0.5	2	0.17	< 0.5	6	5	12	0.95	< 10	1	0.13	30	0.20	493
L9S 10425E	201 238	< 5	0.88	< 0.2	< 5	20	< 0.5	< 2	0.02	< 0.5	2	5	2	0.69	< 10	< 1	0.07	30	0.17	70
L9S 10450E	203 238	< 5	0.12	0.4	< 5	90	< 0.5	< 2	0.52	< 0.5	2	8	6	0.13	< 10	1	0.13	< 10	0.07	747
L9S 10475E	201 238	< 5	0.50	< 0.2	5	30	< 0.5	< 2	0.03	< 0.5	4	2	6	1.55	< 10	< 1	0.09	50	0.06	81
L9S 11400E	203 238	< 5	0.27	< 0.2	< 5	60	< 0.5	< 2	0.38	< 0.5	2	13	8	0.32	< 10	< 1	0.10	< 10	0.08	184
L9S 11425E	201 238	< 5	0.73	< 0.2	< 5	50	< 0.5	2	0.04	< 0.5	9	20	36	4.17	< 10	< 1	0.07	40	0.15	197
L9S 11450E	201 238	< 5	1.69	< 0.2	< 5	40	< 0.5	2	0.10	< 0.5	8	51	10	3.84	< 10	< 1	0.04	30	0.61	148
L9S 11475E	201 238	< 5	1.34	< 0.2	< 5	60	< 0.5	< 2	0.22	0.5	10	34	11	2.67	< 10	< 1	0.11	30	0.60	255
L9S 12400E	201 238	< 5	1.14	< 0.2	< 5	60	< 0.5	< 2	0.22	< 0.5	7	30	8	2.05	< 10	< 1	0.07	30	0.39	150
L9S 12425E	201 238	< 5	1.44	< 0.2	< 5	70	< 0.5	< 2	0.37	0.5	8	46	11	2.79	< 10	< 1	0.09	30	0.60	227
L9S 12450E	201 238	< 5	1.99	0.4	< 5	120	< 0.5	< 2	0.35	0.5	18	57	27	3.39	< 10	< 1	0.15	50	0.56	1235
L9S 12475E	201 238	< 5	0.97	< 0.2	< 5	30	< 0.5	< 2	0.07	< 0.5	6	15	17	2.20	< 10	< 1	0.06	40	0.39	136
L9S 13400E	201 238	< 5	1.50	< 0.2	< 5	70	< 0.5	< 2	0.16	< 0.5	9	40	12	2.80	< 10	< 1	0.10	30	0.66	277
L9S 13425E	201 238	< 5	0.91	< 0.2	< 5	50	< 0.5	< 2	0.16	< 0.5	5	29	8	1.86	< 10	< 1	0.06	30	0.35	114
L9S 13450E	201 238	< 5	1.52	< 0.2	5	60	< 0.5	2	0.20	< 0.5	9	41	12	3.08	< 10	< 1	0.11	30	0.67	222
L9S 13475E	201 238	< 5	1.61	0.2	< 5	70	< 0.5	2	0.23	0.5	18	39	35	3.17	< 10	< 1	0.14	80	0.54	665
L9S 14400E	201 238	< 5	1.32	< 0.2	< 5	60	< 0.5	2	0.14	< 0.5	9	43	16	2.70	< 10	< 1	0.11	30	0.59	421
L9S 14425E	201 238	< 5	1.24	< 0.2	< 5	40	< 0.5	< 2	0.20	0.5	10	46	31	3.25	< 10	< 1	0.10	40	0.39	303
L9S 14450E	201 238	< 5	1.93	0.4	< 5	100	< 0.5	2	0.47	0.5	23	71	50	3.97	< 10	< 1	0.16	60	0.62	1480
L9S 14475E	201 238	< 5	1.25	< 0.2	< 5	50	< 0.5	2	0.33	0.5	9	51	14	2.36	< 10	< 1	0.07	20	0.55	206
L9S 15400E	201 238	< 5	0.84	< 0.2	< 5	70	< 0.5	< 2	0.22	< 0.5	7	34	12	1.88	< 10	< 1	0.07	20	0.33	183
L9S 15425E	201 238	< 5	1.05	< 0.2	< 5	50	< 0.5	< 2	0.26	< 0.5	6	44	8	1.86	< 10	< 1	0.07	20	0.47	154
L9S 15450E	201 238	< 5	1.18	< 0.2	< 5	70	< 0.5	< 2	0.18	0.5	9	31	13	2.75	< 10	< 1	0.10	30	0.52	258
L9S 15475E	201 238	< 5	1.01	< 0.2	< 5	40	< 0.5	< 2	0.13	0.5	6	25	9	2.29	< 10	< 1	0.07	30	0.34	144
L9S 16400E	201 238	< 5	1.63	< 0.2	< 5	60	< 0.5	< 2	0.17	0.5	11	53	13	3.54	< 10	1	0.08	20	0.85	452
L9S 16425E	201 238	< 5	1.08	< 0.2	< 5	70	< 0.5	< 2	0.14	< 0.5	5	21	5	1.73	< 10	< 1	0.08	30	0.28	302
L9S 16450E	201 238	< 5	0.96	< 0.2	< 5	70	< 0.5	2	0.19	< 0.5	4	24	6	1.44	< 10	< 1	0.07	30	0.27	373
L9S 16475E	201 238	< 5	0.87	< 0.2	< 5	70	< 0.5	< 2	0.16	< 0.5	5	27	7	1.55	< 10	1	0.07	20	0.21	79
L9S 17400E	201 238	< 5	1.51	< 0.2	< 5	80	< 0.5	4	0.18	0.5	9	64	12	3.27	< 10	< 1	0.11	20	0.63	365
L9S 17425E	201 238	< 5	1.29	< 0.2	< 5	80	< 0.5	< 2	0.20	< 0.5	8	41	12	3.11	< 10	< 1	0.09	30	0.54	323
L9S 17450E	201 238	< 5	1.53	< 0.2	< 5	80	< 0.5	2	0.23	0.5	9	51	17	3.38	< 10	< 1	0.12	30	0.67	219
L9S 17475E	201 238	< 5	1.03	< 0.2	< 5	60	< 0.5	< 2	0.14	0.5	6	38	14	2.74	< 10	< 1	0.07	20	0.33	172
L9S 18400E	201 238	< 5	1.59	1.4	< 5	50	< 0.5	< 2	0.14	0.5	8	47	19	3.89	< 10	< 1	0.10	30	0.58	222
L9S 18425E	201 238	< 5	1.03	0.4	< 5	70	< 0.5	2	0.16	0.5	8	58	17	3.08	< 10	1	0.08	20	0.40	187
L9S 18450E	201 238	< 5	0.91	1.2	5	70	< 0.5	< 2	0.12	< 0.5	5	50	24	3.05	< 10	< 1	0.08	20	0.29	85
L9S 18475E	201 238	< 5	1.03	0.6	< 5	50	< 0.5	< 2	0.21	0.5	8	41	33	2.54	< 10	< 1	0.09	30	0.37	198

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
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Page No : 2-B  
 Tot. Pgs : 5  
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## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L9S 9+00E	201 238	< 1	< 0.01	39	400	30	< 5	< 10	9	0.03	10	< 10	34	< 5	74
L9S 9+25E	201 238	< 1	< 0.01	30	690	24	< 5	< 10	11	0.01	30	< 10	22	< 5	55
L9S 9+50E	201 238	< 1	< 0.01	14	710	14	< 5	< 10	8	< 0.01	< 10	< 10	20	< 5	45
L9S 9+75E	201 238	< 1	< 0.01	10	1220	16	< 5	< 10	14	< 0.01	< 10	< 10	13	< 5	71
L9S 10+00E	201 238	< 1	0.01	9	600	18	< 5	< 10	12	< 0.01	< 10	< 10	6	10	47
L9S 10+25E	201 238	< 1	< 0.01	3	140	4	< 5	< 10	3	0.03	< 10	< 10	6	5	20
L9S 10+50E	203 238	< 1	0.01	3	1150	10	< 5	10	27	< 0.01	< 10	< 10	1	5	67
L9S 10+75E	201 238	< 1	< 0.01	7	440	4	< 5	< 10	6	< 0.01	< 10	< 10	7	< 5	34
L9S 11+00E	203 238	< 1	< 0.01	5	880	12	< 5	< 10	18	< 0.01	< 10	< 10	3	< 5	39
L9S 11+25E	201 238	2	< 0.01	25	750	30	< 5	< 10	91	< 0.01	< 10	< 10	19	< 5	78
L9S 11+50E	201 238	< 1	0.01	20	790	8	< 5	< 10	9	0.06	< 10	< 10	47	< 5	43
L9S 11+75E	201 238	< 1	0.01	20	710	6	< 5	< 10	16	0.06	< 10	< 10	36	< 5	67
L9S 12+00E	201 238	< 1	0.01	14	630	8	< 5	< 10	17	0.14	< 10	< 10	42	< 5	38
L9S 12+25E	201 238	< 1	0.01	22	820	12	< 5	< 10	24	0.16	< 10	< 10	45	< 5	56
L9S 12+50E	201 238	< 1	0.01	34	640	12	< 5	< 10	25	0.07	< 10	< 10	47	< 5	84
L9S 12+75E	201 238	< 1	< 0.01	15	420	14	< 5	< 10	10	0.02	< 10	< 10	22	< 5	47
L9S 13+00E	201 238	< 1	0.01	21	570	10	< 5	< 10	14	0.06	< 10	< 10	36	< 5	63
L9S 13+25E	201 238	< 1	0.01	15	570	8	< 5	< 10	14	0.10	< 10	< 10	36	< 5	37
L9S 13+50E	201 238	< 1	0.01	25	610	8	< 5	< 10	19	0.06	< 10	< 10	40	< 5	59
L9S 13+75E	201 238	< 1	0.01	38	360	32	< 5	< 10	22	0.05	< 10	< 10	30	< 5	65
L9S 14+00E	201 238	< 1	0.01	23	630	8	< 5	< 10	13	0.06	< 10	< 10	38	< 5	54
L9S 14+25E	201 238	< 1	0.01	32	430	14	< 5	< 10	19	0.17	< 10	< 10	54	< 5	55
L9S 14+50E	201 238	< 1	0.01	58	670	30	< 5	< 10	27	0.12	< 10	< 10	48	< 5	67
L9S 14+75E	201 238	< 1	0.01	23	480	10	< 5	< 10	21	0.19	< 10	< 10	48	< 5	40
L9S 15+00E	201 238	< 1	0.01	18	340	36	< 5	< 10	19	0.15	< 10	< 10	46	< 5	36
L9S 15+25E	201 238	< 1	0.01	21	580	12	< 5	< 10	16	0.13	< 10	< 10	38	< 5	40
L9S 15+50E	201 238	< 1	0.01	21	670	8	< 5	< 10	14	0.07	< 10	< 10	29	< 5	51
L9S 15+75E	201 238	< 1	0.01	13	1130	10	< 5	< 10	11	0.07	< 10	< 10	32	< 5	36
L9S 16+00E	201 238	< 1	0.01	24	1110	4	< 5	10	11	0.10	< 10	< 10	50	< 5	56
L9S 16+25E	201 238	< 1	0.01	6	820	6	< 5	< 10	12	0.06	< 10	< 10	33	< 5	27
L9S 16+50E	201 238	< 1	0.01	8	850	6	< 5	< 10	15	0.11	< 10	< 10	29	< 5	26
L9S 16+75E	201 238	< 1	< 0.01	9	1270	12	< 5	< 10	14	0.10	< 10	< 10	35	< 5	22
L9S 17+00E	201 238	< 1	0.01	24	2000	6	< 5	10	14	0.06	< 10	< 10	51	< 5	46
L9S 17+25E	201 238	< 1	0.01	20	1530	6	< 5	< 10	14	0.09	< 10	< 10	47	< 5	47
L9S 17+50E	201 238	< 1	0.01	28	1770	10	< 5	10	17	0.04	< 10	< 10	39	< 5	58
L9S 17+75E	201 238	< 1	0.01	16	1530	12	< 5	< 10	11	0.06	< 10	< 10	40	< 5	36
L9S 18+00E	201 238	< 1	0.01	23	1370	14	< 5	< 10	12	0.06	< 10	< 10	43	< 5	48
L9S 18+25E	201 238	< 1	0.01	26	2410	14	< 5	< 10	13	0.04	< 10	< 10	43	< 5	44
L9S 18+50E	201 238	< 1	0.01	19	2330	14	< 5	< 10	14	0.04	< 10	< 10	37	< 5	28
L9S 18+75E	201 238	< 1	0.01	28	880	8	< 5	< 10	17	0.08	< 10	< 10	40	< 5	44

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

Page No: 1-A  
Tot. Pages: 1  
Date: 21-OCT-87  
Invoice #: I-8724124  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L9S 19+00E	201 238	< 5	0.60	< 0.2	< 5	40	< 0.5	2	0.21	< 0.5	8	29	29	2.60	< 10	< 1	0.06	30	0.20	221
L9S 19+25E	201 238	< 5	0.90	< 0.2	10	50	< 0.5	< 2	0.14	< 0.5	13	33	25	3.43	< 10	< 1	0.07	30	0.43	565
L9S 19+50E	201 238	< 5	0.68	< 0.2	< 5	40	< 0.5	< 2	0.05	0.5	7	27	22	2.58	< 10	< 1	0.06	30	0.20	157
L9S 19+75E	201 238	< 5	0.80	< 0.2	< 5	50	< 0.5	2	0.05	< 0.5	7	23	18	2.80	< 10	< 1	0.06	40	0.28	161
L9S 20+00E	201 238	< 5	0.58	< 0.2	< 5	40	< 0.5	< 2	0.06	< 0.5	6	16	17	2.02	< 10	1	0.07	40	0.14	152
L10S 0+00E	201 238	< 5	1.95	< 0.2	20	160	< 0.5	2	0.08	0.5	16	91	27	5.79	< 10	< 1	0.03	20	0.54	349
L10S 0+25E	201 238	< 5	0.84	< 0.2	< 5	50	< 0.5	< 2	0.07	0.5	7	21	11	1.94	< 10	< 1	0.03	10	0.17	250
L10S 0+50E	201 238	< 5	3.43	0.2	< 5	60	< 0.5	2	0.54	1.0	30	464	40	6.37	< 10	1	< 0.01	< 10	2.97	506
L10S 0+75E	201 238	5	2.03	< 0.2	5	330	< 0.5	< 2	0.71	0.5	20	74	25	4.19	< 10	1	0.09	< 10	1.16	973
L10S 1+00E	201 238	< 5	0.77	0.2	< 5	80	< 0.5	< 2	0.24	0.5	5	30	8	1.04	< 10	1	0.11	20	0.25	116
L10S 1+25E	201 238	< 5	1.82	0.2	< 5	120	< 0.5	2	0.21	0.5	8	84	16	3.82	< 10	< 1	0.13	20	0.65	195
L10S 1+50E	201 238	< 5	1.21	0.4	10	90	< 0.5	< 2	0.14	< 0.5	4	44	5	1.93	< 10	< 1	0.08	20	0.30	134
L10S 1+75E	201 238	< 5	1.21	0.4	< 5	100	< 0.5	< 2	0.17	0.5	6	67	11	2.16	< 10	< 1	0.10	20	0.47	155
L10S 2+00E	201 238	< 5	1.76	< 0.2	15	80	< 0.5	< 2	0.27	1.0	18	117	31	3.78	< 10	< 1	0.17	20	0.93	426
L10S 2+25E	201 238	< 5	1.75	0.4	10	180	< 0.5	< 2	0.20	1.0	12	98	20	2.87	< 10	< 1	0.12	20	0.60	643
L10S 2+50E	201 238	< 5	1.60	0.2	10	160	< 0.5	< 2	0.24	1.0	11	120	18	3.36	< 10	< 1	0.15	20	0.78	252
L10S 2+75E	201 238	< 5	1.76	1.2	10	150	< 0.5	< 2	0.25	1.5	12	106	21	3.86	< 10	< 1	0.19	20	0.75	372
L10S 3+00E	201 238	< 5	1.67	0.4	30	120	< 0.5	< 2	0.24	1.0	14	114	23	4.49	< 10	< 1	0.19	20	0.84	341
L10S 3+25E	201 238	< 5	1.86	0.2	5	220	< 0.5	2	0.92	1.5	20	100	49	3.92	< 10	2	0.20	40	1.01	477
L10S 3+75E	201 238	< 5	1.08	< 0.2	< 5	120	< 0.5	< 2	0.29	1.0	9	75	14	1.54	< 10	< 1	0.07	20	0.40	121
L10S 4+00E	201 238	< 5	1.25	< 0.2	< 5	80	< 0.5	2	0.22	0.5	9	42	17	2.92	< 10	< 1	0.09	20	0.57	215
L10S 4+25E	201 238	< 5	1.76	< 0.2	20	170	< 0.5	2	0.23	0.5	12	78	22	4.07	< 10	< 1	0.10	20	0.74	246
L10S 4+75E	201 238	< 5	2.84	0.4	25	220	< 0.5	< 2	0.31	1.5	25	93	67	7.21	< 10	< 1	0.09	20	1.01	453
L10S 5+00E	201 238	< 5	2.59	< 0.2	20	190	< 0.5	< 2	0.24	1.0	19	78	43	6.66	< 10	< 1	0.11	20	0.96	371
L10S 5+25E	201 238	15	1.47	0.2	5	110	< 0.5	< 2	0.23	< 0.5	7	42	8	2.47	< 10	1	0.09	20	0.53	178
L10S 5+50E	201 238	< 5	1.40	0.4	10	130	< 0.5	< 2	0.25	< 0.5	9	36	10	2.58	< 10	< 1	0.08	20	0.48	171
L10S 5+75E	201 238	< 5	1.74	0.4	5	150	< 0.5	2	0.32	0.5	10	46	16	3.27	< 10	< 1	0.11	20	0.64	244
L10S 6+00E	201 238	10	1.49	< 0.2	< 5	160	< 0.5	< 2	0.20	1.0	10	42	21	4.17	< 10	< 1	0.11	20	0.58	220
L10S 6+25E	201 238	5	2.13	< 0.2	10	120	< 0.5	2	0.19	0.5	14	84	26	4.92	< 10	1	0.15	20	0.87	367
L10S 6+50E	201 238	< 5	1.82	0.4	5	120	< 0.5	< 2	0.13	0.5	11	190	21	3.27	< 10	< 1	0.08	10	1.09	408
L10S 6+75E	201 238	5	1.26	< 0.2	5	60	< 0.5	< 2	0.26	< 0.5	10	58	14	2.65	< 10	< 1	0.11	30	0.52	329
L10S 7+00E	201 238	< 5	1.52	< 0.2	15	60	< 0.5	< 2	0.17	< 0.5	14	66	24	3.13	< 10	1	0.12	30	0.73	412
L10S 7+25E	201 238	< 5	1.25	< 0.2	< 5	70	< 0.5	< 2	0.14	< 0.5	10	49	13	2.95	< 10	< 1	0.09	30	0.56	266
L10S 7+50E	201 238	< 5	1.59	< 0.2	5	50	< 0.5	2	0.16	< 0.5	12	40	20	3.10	< 10	< 1	0.11	40	0.76	316
L10S 7+75E	201 238	< 5	1.68	< 0.2	< 5	100	< 0.5	2	0.19	0.5	11	51	19	3.16	< 10	< 1	0.13	30	0.68	389
L10S 8+00E	201 238	< 5	1.55	< 0.2	5	100	< 0.5	< 2	0.16	< 0.5	9	42	17	2.84	< 10	< 1	0.12	30	0.54	335
L10S 8+25E	201 238	< 5	1.13	< 0.2	< 5	70	< 0.5	< 2	0.16	0.5	9	38	16	2.77	< 10	< 1	0.09	30	0.41	297
L10S 8+50E	201 238	< 5	0.88	0.2	5	30	< 0.5	< 2	0.06	< 0.5	12	44	27	3.31	< 10	1	0.10	50	0.23	297
L10S 8+75E	201 238	< 5	1.73	0.2	< 5	80	< 0.5	< 2	0.20	0.5	11	47	13	3.38	< 10	< 1	0.12	30	0.65	291
L10S 9+00E	201 238	5	1.63	0.2	5	80	< 0.5	< 2	0.20	< 0.5	7	43	12	2.63	< 10	< 1	0.11	30	0.51	202

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-2C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

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 Tot. Pages 1  
 Date 1-OCT-87  
 Invoice #: I-8724124  
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## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L9S 19+00E	201 238	< 1	< 0.01	23	850	6	< 5	< 10	14	0.04	< 10	< 10	33	< 5	43
L9S 19+25E	201 238	< 1	< 0.01	36	750	12	< 5	< 10	12	0.03	< 10	< 10	25	< 5	76
L9S 19+50E	201 238	< 1	0.01	23	950	20	< 5	< 10	8	0.01	< 10	< 10	25	< 5	40
L9S 19+75E	201 238	< 1	0.01	22	750	10	< 5	< 10	9	0.02	< 10	< 10	23	< 5	45
L9S 20+00E	201 238	< 1	0.01	13	660	4	< 5	< 10	10	0.01	< 10	< 10	20	< 5	32
L10S 0+00E	201 238	3	0.01	43	1100	6	< 5	< 10	10	0.06	< 10	< 10	125	< 5	131
L10S 0+25E	201 238	< 1	< 0.01	14	350	2	< 5	< 10	9	0.03	< 10	< 10	32	< 5	49
L10S 0+50E	201 238	< 1	0.01	157	710	< 2	< 5	10	15	0.52	< 10	< 10	166	< 5	86
L10S 0+75E	201 238	< 1	0.01	33	1250	4	5	< 10	49	0.42	< 10	< 10	109	< 5	95
L10S 1+00E	201 238	1	0.01	15	410	6	< 5	10	20	0.15	< 10	< 10	28	< 5	37
L10S 1+25E	201 238	< 1	0.01	51	2910	14	< 5	< 10	22	0.09	< 10	< 10	63	< 5	84
L10S 1+50E	201 238	< 1	0.01	13	1000	8	< 5	10	17	0.08	< 10	< 10	40	< 5	35
L10S 1+75E	201 238	1	0.01	38	940	8	< 5	< 10	18	0.08	< 10	< 10	40	< 5	57
L10S 2+00E	201 238	2	0.01	113	1530	14	< 5	< 10	20	0.09	< 10	< 10	39	< 5	141
L10S 2+25E	201 238	< 1	0.01	69	1540	22	< 5	10	14	0.06	< 10	< 10	34	< 5	122
L10S 2+50E	201 238	< 1	0.01	79	1280	18	< 5	< 10	19	0.10	< 10	< 10	50	< 5	123
L10S 2+75E	201 238	1	0.01	81	2310	24	< 5	10	21	0.10	< 10	< 10	46	< 5	145
L10S 3+00E	201 238	3	0.01	109	2950	34	< 5	10	19	0.08	< 10	< 10	51	< 5	140
L10S 3+25E	201 238	1	0.01	84	1110	16	< 5	10	45	0.17	< 10	< 10	47	< 5	159
L10S 3+75E	201 238	1	0.01	30	390	14	< 5	< 10	23	0.09	< 10	< 10	24	< 5	49
L10S 4+00E	201 238	1	0.01	28	1060	10	< 5	10	18	0.10	< 10	< 10	37	< 5	62
L10S 4+25E	201 238	1	0.01	47	1310	10	< 5	< 10	19	0.11	< 10	< 10	47	< 5	93
L10S 4+75E	201 238	4	0.01	85	2260	38	< 5	20	23	0.09	< 10	< 10	62	< 5	255
L10S 5+00E	201 238	2	0.01	60	2500	18	5	< 10	22	0.10	< 10	< 10	66	< 5	231
L10S 5+25E	201 238	< 1	0.01	14	710	6	< 5	< 10	22	0.15	< 10	< 10	48	< 5	73
L10S 5+50E	201 238	< 1	0.01	20	1170	72	< 5	< 10	21	0.10	< 10	< 10	44	< 5	131
L10S 5+75E	201 238	< 1	0.01	30	1010	12	< 5	< 10	29	0.11	< 10	< 10	53	< 5	135
L10S 6+00E	201 238	< 1	0.01	24	990	56	< 5	< 10	27	0.09	< 10	< 10	53	< 5	125
L10S 6+25E	201 238	1	0.01	46	1010	18	< 5	< 10	19	0.08	< 10	< 10	49	< 5	117
L10S 6+50E	201 238	< 1	0.01	52	1100	< 2	< 5	< 10	13	0.08	< 10	< 10	70	< 5	61
L10S 6+75E	201 238	< 1	0.01	24	1000	< 2	< 5	< 10	19	0.13	< 10	< 10	42	< 5	44
L10S 7+00E	201 238	< 1	0.01	40	580	12	< 5	< 10	14	0.08	< 10	< 10	40	< 5	63
L10S 7+25E	201 238	< 1	0.01	26	390	10	< 5	< 10	13	0.06	< 10	< 10	34	< 5	49
L10S 7+50E	201 238	< 1	0.01	32	460	8	< 5	10	12	0.04	< 10	< 10	33	< 5	64
L10S 7+75E	201 238	< 1	0.01	28	420	6	< 5	< 10	16	0.07	< 10	< 10	39	< 5	64
L10S 8+00E	201 238	1	0.01	21	520	10	< 5	10	14	0.06	< 10	< 10	37	< 5	52
L10S 8+25E	201 238	< 1	0.01	27	1320	8	< 5	10	15	0.07	< 10	< 10	30	< 5	61
L10S 8+50E	201 238	< 1	0.01	46	840	6	< 5	< 10	15	0.01	< 10	< 10	25	< 5	76
L10S 8+75E	201 238	< 1	0.01	23	570	12	< 5	10	19	0.08	< 10	< 10	33	< 5	61
L10S 9+00E	201 238	< 1	0.01	18	920	8	< 5	< 10	17	0.10	20	< 10	35	< 5	50

CERTIFICATION :



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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
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To: MARK MANAGEMENT LIMITED

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 V6C 2W2

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 Date 21-OCT-87  
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## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L10S 9+25E	201 238	< 5	0.61	0.2	15	20	< 0.5	< 2	0.04	< 0.5	7	13	18	1.89	< 10	< 1	0.07	40	0.06	126
L10S 9+50E	201 238	< 5	0.46	0.2	10	40	< 0.5	< 2	< 0.01	< 0.5	6	9	16	2.38	< 10	< 1	0.07	50	0.02	48
L10S 9+75E	201 238	< 5	0.33	0.2	< 5	10	< 0.5	< 2	0.01	< 0.5	7	3	17	1.70	< 10	< 1	0.05	50	0.01	121
L10S 10+00E	201 238	< 5	0.84	0.2	< 5	20	< 0.5	< 2	0.03	< 0.5	3	8	7	0.97	< 10	< 1	0.06	60	0.03	106
L10S 10+25E	201 238	< 5	0.85	0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	2	9	8	1.12	< 10	< 1	0.05	50	0.04	88
L10S 10+50E	201 238	< 5	0.98	0.2	15	50	< 0.5	< 2	0.08	< 0.5	8	32	20	4.05	< 10	< 1	0.09	50	0.24	213
L10S 10+75E	201 238	< 5	1.16	0.2	5	60	< 0.5	< 2	0.09	< 0.5	4	27	8	2.94	< 10	< 1	0.07	40	0.25	142
L10S 11+00E	201 238	< 5	1.35	0.2	5	60	< 0.5	< 2	0.11	< 0.5	7	32	15	2.81	< 10	< 1	0.08	40	0.40	348
L10S 11+25E	201 238	< 5	1.61	0.2	< 5	120	< 0.5	< 2	0.32	< 0.5	9	61	11	2.71	< 10	< 1	0.11	30	0.64	362
L10S 11+50E	201 238	< 5	1.73	0.2	< 5	90	< 0.5	< 2	0.30	< 0.5	8	77	13	3.50	< 10	< 1	0.09	20	0.68	432
L10S 11+75E	201 238	< 5	1.03	0.2	10	50	< 0.5	< 2	0.17	< 0.5	3	24	5	1.38	< 10	< 1	0.10	30	0.31	121
L10S 12+00E	201 238	< 5	1.73	0.2	< 5	80	< 0.5	< 2	0.19	< 0.5	8	54	11	3.02	< 10	< 1	0.11	30	0.63	287
L10S 12+25E	201 238	< 5	2.06	0.2	5	80	< 0.5	< 2	0.30	< 0.5	12	73	28	3.47	< 10	< 1	0.14	30	0.88	336
L10S 12+50E	201 238	< 5	1.48	0.2	< 5	90	< 0.5	< 2	0.16	< 0.5	7	36	9	2.31	< 10	< 1	0.10	30	0.46	351
L10S 12+75E	201 238	< 5	1.97	0.2	< 5	80	< 0.5	< 2	0.12	< 0.5	8	39	11	3.88	< 10	< 1	0.13	30	0.59	287
L10S 13+00E	201 238	< 5	2.10	0.2	< 5	70	< 0.5	< 2	0.20	< 0.5	7	62	13	4.88	< 10	< 1	0.11	30	0.61	268
L10S 13+25E	201 238	< 5	1.72	0.2	< 5	70	< 0.5	< 2	0.18	< 0.5	5	44	11	4.15	< 10	< 1	0.10	30	0.35	278
L10S 13+50E	201 238	< 5	1.41	0.2	5	60	< 0.5	< 2	0.17	< 0.5	8	33	23	3.29	< 10	< 1	0.13	30	0.52	419
L10S 13+75E	201 238	< 5	1.01	0.2	< 5	50	< 0.5	< 2	0.17	< 0.5	4	21	7	1.79	< 10	< 1	0.08	20	0.23	131
L10S 14+00E	201 238	< 5	2.26	0.2	25	80	< 0.5	< 2	0.15	< 0.5	8	64	19	4.49	< 10	< 1	0.10	30	0.63	261
L10S 14+25E	201 238	< 5	1.38	0.2	< 5	60	< 0.5	< 2	0.13	< 0.5	4	34	9	2.68	< 10	< 1	0.09	20	0.37	225
L10S 14+50E	201 238	< 5	1.34	0.2	10	50	< 0.5	< 2	0.23	< 0.5	5	45	9	2.98	< 10	< 1	0.09	20	0.47	258
L10S 14+75E	201 238	< 5	1.80	0.2	10	60	< 0.5	< 2	0.19	< 0.5	8	54	11	3.85	< 10	< 1	0.10	20	0.58	284
L10S 15+00E	201 238	< 5	1.85	0.2	5	60	< 0.5	< 2	0.17	< 0.5	7	45	13	4.03	< 10	< 1	0.12	30	0.56	304
L10S 15+25E	201 238	< 5	1.75	0.2	< 5	60	< 0.5	< 2	0.07	< 0.5	10	29	29	3.84	< 10	< 1	0.09	40	0.63	419
L10S 15+50E	201 238	< 5	1.45	0.2	< 5	60	< 0.5	< 2	0.18	< 0.5	3	30	7	2.66	< 10	< 1	0.09	20	0.33	299
L10S 15+75E	201 238	< 5	1.13	0.2	10	70	< 0.5	< 2	0.14	< 0.5	5	27	8	2.45	< 10	< 1	0.10	30	0.35	870
L10S 16+00E	201 238	< 5	1.59	0.2	< 5	80	< 0.5	< 2	0.21	< 0.5	8	44	17	3.84	< 10	< 1	0.11	30	0.58	659
L10S 16+25E	201 238	< 5	1.40	0.2	< 5	70	< 0.5	< 2	0.12	< 0.5	4	38	7	3.14	< 10	< 1	0.10	30	0.39	193
L10S 16+50E	201 238	< 5	1.77	0.2	15	110	< 0.5	< 2	0.17	< 0.5	6	47	20	4.72	< 10	< 1	0.11	20	0.42	272
L10S 16+75E	201 238	< 5	1.65	0.2	5	100	< 0.5	< 2	0.16	< 0.5	8	57	18	5.03	< 10	< 1	0.12	30	0.59	328
L10S 17+00E	201 238	< 5	1.85	0.2	10	90	< 0.5	< 2	0.39	< 0.5	10	48	24	4.25	< 10	< 1	0.11	30	0.50	280
L10S 17+25E	201 238	< 5	1.07	0.2	15	30	< 0.5	< 2	0.16	< 0.5	4	25	10	2.93	< 10	< 1	0.07	20	0.28	175
L10S 17+50E	201 238	< 5	1.12	0.2	< 5	50	< 0.5	< 2	0.62	< 0.5	5	28	15	2.95	< 10	< 1	0.08	20	0.26	233
L10S 17+75E	201 238	< 5	1.33	0.2	10	150	< 0.5	< 2	0.22	< 0.5	9	46	18	3.80	< 10	< 1	0.09	30	0.58	277
L10S 18+00E	201 238	< 5	1.67	0.2	15	100	< 0.5	< 2	0.26	< 0.5	10	39	23	3.48	< 10	< 1	0.12	30	0.49	293
L10S 18+25E	201 238	< 5	1.20	0.2	5	50	< 0.5	< 2	0.10	< 0.5	8	30	22	3.08	< 10	< 1	0.12	40	0.45	278
L10S 18+50E	201 238	< 5	1.75	0.2	20	70	< 0.5	< 2	0.16	< 0.5	15	71	34	4.62	< 10	< 1	0.11	30	0.64	352
L10S 18+75E	201 238	< 5	1.14	0.2	< 5	90	< 0.5	< 2	0.14	< 0.5	7	47	11	2.98	< 10	< 1	0.10	20	0.39	299
L10S 19+00E	201 238	< 5	1.04	0.2	< 5	80	< 0.5	< 2	0.11	< 0.5	5	31	10	1.89	< 10	< 1	0.09	30	0.29	359

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

Page No: 4-B  
Tot. Pa: 5  
Date: 21-OCT-87  
Invoice #: I-8724124  
P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L10S 9+25E	201 238	< 1	0.01	24	330	14	< 5	< 10	11	0.01	< 10	< 10	14	< 5	56
L10S 9+50E	201 238	< 1	0.01	10	300	24	< 5	< 10	23	< 0.01	< 10	< 10	7	< 5	44
L10S 9+75E	201 238	< 1	< 0.01	17	280	< 2	< 5	< 10	5	< 0.01	< 10	< 10	7	< 5	42
L10S 10+00E	201 238	< 1	< 0.01	8	180	< 2	< 5	< 10	6	0.01	< 10	< 10	11	< 5	27
L10S 10+25E	201 238	< 1	< 0.01	9	200	8	< 5	< 10	11	0.04	< 10	< 10	21	5	28
L10S 10+50E	201 238	< 1	0.01	26	740	12	< 5	< 10	10	0.05	< 10	< 10	21	< 5	71
L10S 10+75E	201 238	< 1	< 0.01	10	940	16	< 5	< 10	12	0.04	< 10	< 10	23	5	38
L10S 11+00E	201 238	< 1	0.01	16	970	14	< 5	< 10	12	0.06	< 10	< 10	25	< 5	61
L10S 11+25E	201 238	< 1	0.01	27	1380	2	< 5	< 10	20	0.16	< 10	< 10	44	< 5	63
L10S 11+50E	201 238	< 1	0.01	29	1070	2	< 5	< 10	18	0.16	< 10	< 10	45	< 5	60
L10S 11+75E	201 238	< 1	0.01	10	430	8	< 5	< 10	12	0.09	< 10	< 10	26	< 5	31
L10S 12+00E	201 238	< 1	0.01	22	680	8	< 5	< 10	14	0.10	< 10	< 10	37	5	61
L10S 12+25E	201 238	< 1	0.01	40	620	8	< 5	< 10	21	0.16	< 10	< 10	41	< 5	74
L10S 12+50E	201 238	< 1	0.01	15	370	4	< 5	< 10	14	0.08	< 10	< 10	31	< 5	43
L10S 12+75E	201 238	< 1	0.01	17	1160	4	< 5	< 10	11	0.04	< 10	< 10	31	< 5	73
L10S 13+00E	201 238	< 1	0.01	22	1210	< 2	< 5	< 10	15	0.12	< 10	< 10	47	< 5	62
L10S 13+25E	201 238	< 1	0.01	15	1450	8	< 5	< 10	15	0.12	< 10	< 10	51	< 5	49
L10S 13+50E	201 238	< 1	0.01	17	1340	6	< 5	< 10	13	0.08	< 10	< 10	33	< 5	55
L10S 13+75E	201 238	< 1	0.01	9	500	8	< 5	< 10	12	0.11	< 10	< 10	25	< 5	33
L10S 14+00E	201 238	< 1	0.01	26	1110	6	< 5	< 10	13	0.11	< 10	< 10	41	< 5	68
L10S 14+25E	201 238	< 1	0.01	16	880	16	< 5	< 10	12	0.09	< 10	< 10	34	< 5	36
L10S 14+50E	201 238	< 1	0.01	16	650	22	< 5	< 10	16	0.18	< 10	< 10	45	< 5	37
L10S 14+75E	201 238	< 1	0.01	22	570	4	< 5	< 10	15	0.14	< 10	< 10	36	< 5	55
L10S 15+00E	201 238	< 1	0.01	20	620	12	< 5	< 10	15	0.11	< 10	< 10	34	< 5	50
L10S 15+25E	201 238	< 1	0.01	29	760	10	< 5	< 10	11	0.02	< 10	< 10	15	< 5	92
L10S 15+50E	201 238	< 1	0.01	10	400	2	< 5	< 10	15	0.11	< 10	< 10	34	< 5	43
L10S 15+75E	201 238	< 1	0.01	12	1180	14	< 5	< 10	12	0.07	< 10	< 10	28	< 5	38
L10S 16+00E	201 238	< 1	0.01	25	1630	8	< 5	< 10	16	0.09	< 10	< 10	34	< 5	59
L10S 16+25E	201 238	< 1	0.01	14	970	4	< 5	< 10	12	0.08	< 10	< 10	40	< 5	35
L10S 16+50E	201 238	< 1	0.01	21	1390	12	< 5	< 10	17	0.14	< 10	< 10	62	< 5	56
L10S 16+75E	201 238	< 1	0.01	27	1780	8	< 5	< 10	16	0.08	< 10	< 10	42	< 5	68
L10S 17+00E	201 238	< 1	0.01	37	580	12	< 5	< 10	26	0.10	< 10	< 10	42	< 5	67
L10S 17+25E	201 238	< 1	0.01	11	400	18	< 5	< 10	14	0.08	< 10	< 10	35	< 5	47
L10S 17+50E	201 238	< 1	0.01	14	740	10	< 5	< 10	35	0.06	< 10	< 10	32	< 5	39
L10S 17+75E	201 238	< 1	0.01	28	1420	6	< 5	< 10	17	0.08	< 10	< 10	32	5	78
L10S 18+00E	201 238	< 1	0.01	31	880	14	< 5	< 10	17	0.05	< 10	< 10	28	< 5	78
L10S 18+25E	201 238	< 1	0.01	24	560	6	< 5	< 10	11	0.02	< 10	< 10	19	< 5	58
L10S 18+50E	201 238	< 1	0.01	52	980	20	< 5	< 10	17	0.05	< 10	< 10	38	< 5	89
L10S 18+75E	201 238	< 1	0.01	24	1490	12	< 5	< 10	13	0.04	< 10	< 10	37	< 5	40
L10S 19+00E	201 238	< 1	0.01	14	360	8	< 5	< 10	12	0.04	< 10	< 10	27	< 5	32

CERTIFICATION :



# Chemex Labs Ltd.

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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
 BRITISH COLUMBIA, CANADA V7J-1C1  
 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS CC: R. GONZALEZ

Page No. 5-A  
 Tot. Pages 1  
 Date 21-OCT-87  
 Invoice # I-8724124  
 P.O. # NONE

## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
L10S 19+25E	201	238	< 5	1.42	0.2	< 5	60	< 0.5	< 2	0.43	0.5	15	52	31	3.57	< 10	< 1	0.08	40	0.44	582
L10S 19+50E	201	238	< 5	1.20	0.2	10	70	< 0.5	< 2	0.56	< 0.5	8	54	36	4.38	< 10	< 1	0.10	40	0.41	254
L10S 19+75E	201	238	< 5	1.56	0.2	10	80	< 0.5	< 2	0.34	< 0.5	15	57	38	3.49	< 10	< 1	0.13	50	0.50	792
L10S 20+00E	201	238	< 5	1.57	0.2	15	50	0.5	< 2	0.09	< 0.5	14	64	32	3.91	< 10	< 1	0.12	40	0.56	542
L11S 6+00E	201	238	< 5	1.77	0.2	< 5	90	< 0.5	< 2	0.16	< 0.5	4	37	8	2.58	< 10	< 1	0.18	20	0.53	120
L11S 6+25E	201	238	< 5	1.55	0.2	< 5	60	< 0.5	< 2	0.14	< 0.5	4	27	8	2.21	< 10	< 1	0.16	20	0.46	105
L11S 6+50E	201	238	< 5	1.75	0.2	< 5	90	< 0.5	< 2	0.17	< 0.5	6	35	10	2.62	< 10	< 1	0.14	20	0.53	196
L11S 6+75E	201	238	60	1.70	0.2	< 5	70	0.5	< 2	0.13	< 0.5	6	39	9	2.42	< 10	< 1	0.14	20	0.54	205
L11S 7+00E	201	238	< 5	2.23	0.2	< 5	100	0.5	< 2	0.33	< 0.5	13	108	32	4.14	< 10	< 1	0.09	20	1.06	491
L11S 7+25E	201	238	< 5	1.46	0.2	5	70	0.5	< 2	0.31	< 0.5	7	72	15	2.81	< 10	< 1	0.09	20	0.60	236
L11S 7+50E	201	238	< 5	1.63	0.2	10	90	0.5	< 2	0.14	< 0.5	7	64	11	2.81	< 10	< 1	0.13	20	0.53	290
L11S 7+75E	201	238	< 5	1.35	0.2	< 5	80	< 0.5	< 2	0.19	< 0.5	6	54	8	2.00	< 10	< 1	0.10	20	0.47	509
L11S 8+00E	201	238	< 5	1.74	0.2	5	90	< 0.5	< 2	0.18	< 0.5	9	54	15	3.15	< 10	< 1	0.15	30	0.74	274
L11S 8+25E	201	238	< 5	1.87	0.2	10	110	0.5	< 2	0.22	< 0.5	10	57	28	2.90	< 10	< 1	0.16	40	0.61	596
L11S 8+50E	201	238	< 5	2.08	0.2	< 5	90	0.5	< 2	0.26	0.5	13	69	40	3.62	< 10	< 1	0.17	30	0.76	497
L11S 8+75E	201	238	< 5	2.22	0.2	< 5	140	1.0	< 2	0.37	0.5	17	65	38	3.66	< 10	< 1	0.19	40	0.76	744
L11S 9+00E	201	238	< 5	1.74	0.2	15	60	0.5	2	0.28	< 0.5	8	79	15	3.31	< 10	< 1	0.08	20	0.78	227
L8S 0+25W	201	238	< 5	1.19	0.2	10	100	< 0.5	< 2	0.21	0.5	7	63	19	2.59	< 10	< 1	0.11	20	0.47	289
L8S 0+50W	201	238	< 5	1.69	0.2	< 5	140	0.5	2	0.32	1.0	8	52	19	2.96	< 10	< 1	0.13	30	0.72	251
L8S 0+75W	201	238	< 5	1.57	0.2	5	100	0.5	< 2	0.22	0.5	7	49	27	2.61	< 10	< 1	0.14	20	0.57	254
L8S 1+00W	201	238	< 5	1.99	0.2	10	150	0.5	< 2	0.33	< 0.5	14	54	23	3.55	< 10	< 1	0.19	20	0.72	735
L9S 0+25W	201	238	< 5	1.33	1.0	10	100	0.5	< 2	0.18	< 0.5	4	58	10	2.41	< 10	< 1	0.13	20	0.42	114
L9S 0+50W	201	238	< 5	1.39	0.2	< 5	120	0.5	< 2	0.20	0.5	5	65	16	2.66	< 10	< 1	0.10	20	0.57	127
L9S 0+75W	201	238	80	0.99	0.2	5	140	< 0.5	< 2	0.28	2.0	5	58	14	1.85	< 10	< 1	0.16	20	0.42	111
L9S 1+00W	201	238	< 5	1.46	0.2	10	110	0.5	< 2	0.21	0.5	6	78	21	3.32	< 10	< 1	0.17	20	0.59	172
L10S 0+25W	201	238	< 5	1.42	0.2	15	50	1.0	< 2	0.07	< 0.5	8	41	42	4.84	< 10	< 1	0.08	30	0.36	206
L10S 0+50W	201	238	< 5	1.65	0.8	< 5	130	0.5	< 2	0.24	0.5	5	42	17	2.71	< 10	< 1	0.07	10	0.44	149
L10S 0+75W	201	238	< 5	1.96	2.4	< 5	140	0.5	< 2	0.32	0.5	11	41	39	2.93	< 10	< 1	0.09	20	0.70	194
L10S 1+00W	201	238	< 5	2.04	4.2	10	120	1.0	< 2	0.15	< 0.5	2	59	24	3.82	< 10	< 1	0.10	20	0.38	110

CERTIFICATION :





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To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
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 V6C 2W2

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## CERTIFICATE OF ANALYSIS A8724124

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L10S 19+25E	201 238	< 1	0.01	40	720	8	< 5	< 10	22	0.04	< 10	< 10	29	< 5	74
L10S 19+50E	201 238	< 1	0.01	40	700	30	< 5	< 10	26	0.04	< 10	< 10	36	< 5	66
L10S 19+75E	201 238	< 1	0.01	45	690	12	< 5	< 10	19	0.03	< 10	< 10	30	< 5	85
L10S 20+00E	201 238	< 1	0.01	43	640	4	< 5	< 10	12	0.04	< 10	< 10	35	< 5	75
L11S 6+00E	201 238	< 1	0.01	15	1050	16	< 5	< 10	16	0.10	< 10	< 10	33	< 5	51
L11S 6+25E	201 238	< 1	0.01	12	920	6	< 5	< 10	13	0.10	< 10	< 10	25	< 5	49
L11S 6+50E	201 238	< 1	0.01	20	980	8	< 5	< 10	15	0.10	< 10	< 10	29	< 5	72
L11S 6+75E	201 238	< 1	< 0.01	19	760	10	< 5	< 10	10	0.09	< 10	< 10	21	< 5	79
L11S 7+00E	201 238	< 1	0.01	45	1300	14	< 5	< 10	20	0.20	< 10	< 10	64	< 5	67
L11S 7+25E	201 238	< 1	0.01	32	440	2	< 5	< 10	19	0.20	< 10	< 10	47	< 5	59
L11S 7+50E	201 238	< 1	0.01	25	650	6	< 5	< 10	11	0.11	< 10	< 10	47	< 5	52
L11S 7+75E	201 238	< 1	0.01	20	370	2	< 5	< 10	16	0.11	< 10	< 10	36	< 5	34
L11S 8+00E	201 238	< 1	0.01	25	1370	12	< 5	< 10	16	0.07	< 10	< 10	29	< 5	65
L11S 8+25E	201 238	< 1	0.01	30	570	18	< 5	< 10	18	0.09	< 10	< 10	38	< 5	61
L11S 8+50E	201 238	< 1	0.01	38	520	20	< 5	< 10	18	0.14	< 10	< 10	43	< 5	75
L11S 8+75E	201 238	< 1	0.01	47	580	12	< 5	< 10	26	0.13	< 10	< 10	45	< 5	78
L11S 9+00E	201 238	< 1	0.01	36	390	8	< 5	< 10	16	0.17	< 10	< 10	44	< 5	54
L8S 0+25W	201 238	< 1	0.01	37	780	4	< 5	< 10	16	0.08	< 10	< 10	40	< 5	96
L8S 0+50W	201 238	< 1	0.01	31	920	8	< 5	< 10	23	0.11	< 10	< 10	40	< 5	141
L8S 0+75W	201 238	< 1	0.01	29	460	8	< 5	< 10	22	0.09	< 10	< 10	41	< 5	80
L8S 1+00W	201 238	< 1	0.01	30	1270	6	< 5	< 10	26	0.08	< 10	< 10	41	< 5	85
L9S 0+25W	201 238	1	0.01	26	1490	14	< 5	< 10	16	0.08	< 10	< 10	47	5	66
L9S 0+50W	201 238	< 1	0.01	37	1620	2	< 5	< 10	17	0.07	< 10	< 10	43	< 5	85
L9S 0+75W	201 238	< 1	0.01	39	540	12	< 5	< 10	20	0.11	< 10	< 10	33	< 5	69
L9S 1+00W	201 238	1	0.01	52	990	10	< 5	< 10	17	0.11	< 10	< 10	42	< 5	108
L10S 0+25W	201 238	< 1	0.01	30	1020	26	< 5	< 10	9	0.05	< 10	< 10	35	< 5	109
L10S 0+50W	201 238	< 1	0.01	20	1050	14	< 5	< 10	28	0.12	< 10	< 10	45	< 5	64
L10S 0+75W	201 238	< 1	0.01	32	500	4	< 5	< 10	31	0.17	< 10	< 10	48	< 5	162
L10S 1+00W	201 238	1	0.01	12	6570	26	< 5	< 10	20	0.08	< 10	< 10	89	< 5	54

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project : LIGHTNING CREEK

Comments : ATTN: SPURLIN EDWARDS

✓ C. : RALPH GONZALEZ

Page No. : 1-A

Tot. Pages: 2

Date : -OCT-87

Invoice # : 8724360

P.O. # :

## CERTIFICATE OF ANALYSIS A8724360

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LCBL3 00+25S	201 238	< 5	1.65	0.4	10	250	< 0.5	< 2	0.18	1.5	14	53	46	2.74	< 10	< 1	0.18	20	0.41	387
LCBL3 00+50S	201 238	< 5	1.32	0.2	5	140	< 0.5	< 2	0.27	1.0	14	53	25	2.41	< 10	< 1	0.12	30	0.53	288
LCBL3 00+75S	217 238	< 5	0.84	< 0.2	< 5	340	< 0.5	< 2	1.05	4.5	9	96	24	1.42	< 10	< 1	0.18	20	0.58	1075
LCBL3 01+00S	217 238	< 5	0.53	< 0.2	< 5	230	< 0.5	< 2	0.76	4.0	9	53	20	1.06	< 10	1	0.14	10	0.37	941
LCBL3 01+25S	201 238	< 5	1.41	< 0.2	5	180	< 0.5	< 2	0.19	1.5	8	59	30	2.89	< 10	< 1	0.16	30	0.44	215
LCBL3 01+50S	201 238	< 5	1.72	0.4	15	160	< 0.5	< 2	0.25	1.5	16	80	32	3.31	< 10	< 1	0.17	30	0.69	410
LCBL3 01+75S	201 238	< 5	0.94	0.2	10	150	< 0.5	< 2	0.23	1.0	6	51	19	2.25	< 10	< 1	0.15	30	0.37	396
LCBL3 02+00S	201 238	< 5	1.16	< 0.2	10	140	< 0.5	< 2	0.21	1.0	7	64	21	2.61	< 10	< 1	0.17	30	0.53	224
LCBL3 02+25S	201 238	< 5	1.32	< 0.2	5	170	< 0.5	< 2	0.30	2.0	11	74	29	3.98	< 10	< 1	0.12	20	0.62	295
LCBL3 02+50S	201 238	< 5	1.14	< 0.2	10	190	< 0.5	< 2	0.24	1.0	8	80	21	2.87	< 10	< 1	0.14	20	0.66	271
LCBL3 02+75S	217 238	< 10	0.44	< 0.2	< 5	350	< 0.5	< 2	0.92	1.5	15	116	20	0.85	< 10	< 1	0.24	10	0.61	681
LCBL3 03+25S	217 238	< 5	0.92	< 0.2	< 5	350	< 0.5	< 2	0.74	3.0	16	179	24	1.62	< 10	< 1	0.23	10	0.93	1200
LCBL3 03+50S	217 238	< 5	0.41	< 0.2	< 5	300	< 0.5	< 2	0.76	1.5	8	88	20	0.80	< 10	< 1	0.15	10	0.26	1760
LCBL3 03+75S	203 238	< 5	1.84	0.6	10	340	< 0.5	< 2	0.21	2.0	30	193	94	3.16	< 10	< 1	0.16	60	0.72	686
LCBL3 04+50S	217 238	< 10	0.10	< 0.2	< 5	300	< 0.5	< 2	1.40	1.0	2	14	9	0.12	< 10	1	0.11	< 10	0.16	1010
LCBL3 05+50S	203 238	< 5	1.52	0.4	15	140	< 0.5	< 2	0.14	< 0.5	4	233	10	1.81	< 10	< 1	0.28	40	0.27	428
LCBL3 05+75S	217 238	5	0.30	0.4	< 5	260	< 0.5	< 2	0.89	1.0	3	63	14	0.57	< 10	1	0.17	< 10	0.16	1485
LCBL3 06+00S	201 238	< 5	1.79	0.2	< 5	140	< 0.5	< 2	0.19	1.0	35	75	40	3.72	< 10	2	0.14	30	0.40	1675
LCBL3 06+25S	217 238	< 10	2.45	0.2	5	190	< 0.5	< 2	0.37	2.0	137	166	46	3.81	< 10	< 1	0.33	40	0.98	3160
LCBL3 06+50S	201 238	< 5	2.00	0.2	< 5	100	< 0.5	< 2	0.39	0.5	17	109	29	3.47	< 10	< 1	0.15	30	1.15	467
LCBL3 06+75S	201 238	< 5	2.22	0.2	10	120	< 0.5	< 2	0.33	< 0.5	12	43	26	3.22	< 10	1	0.33	30	0.98	421
LCBL3 07+00S	201 238	< 5	2.11	0.2	< 5	130	< 0.5	< 2	0.21	0.5	10	112	22	3.55	< 10	1	0.21	30	1.05	258
LCBL3 07+25S	217 238	< 5	1.30	0.2	5	220	< 0.5	< 2	0.67	1.0	17	230	33	2.31	< 10	1	0.32	30	0.57	987
LCBL3 07+50S	203 238	< 5	0.86	0.2	< 5	130	< 0.5	< 2	0.55	0.5	28	172	52	1.40	10	< 1	0.14	90	0.24	981
LCBL3 07+75S	203 238	< 5	1.23	0.4	15	200	< 0.5	2	0.30	0.5	18	282	31	2.20	< 10	1	0.24	30	0.50	1080
LCBL3 08+00S	201 238	< 5	1.26	0.2	< 5	90	< 0.5	2	0.11	< 0.5	3	62	12	1.33	< 10	1	0.10	30	0.28	118
LCBL3 08+25S	217 238	< 10	0.56	0.2	< 5	200	< 0.5	< 2	0.29	1.5	19	235	12	1.43	< 10	1	0.21	10	0.26	5910
LCBL3 08+50S	217 238	< 10	0.23	0.2	< 5	360	< 0.5	< 2	1.31	0.5	9	70	13	0.56	< 10	1	0.31	< 10	0.23	5690
LCBL3 08+75S	201 238	5	2.50	2.0	15	130	< 0.5	< 2	0.09	< 0.5	33	121	104	4.97	< 10	2	0.12	60	0.59	723
LCBL3 09+00S	201 238	< 5	1.94	0.4	5	50	< 0.5	< 2	0.10	0.5	9	85	32	3.94	< 10	< 1	0.08	30	0.74	344
LCBL3 09+25S	201 238	< 5	0.70	1.0	< 5	190	< 0.5	< 2	0.49	< 0.5	11	36	23	1.34	< 10	< 1	0.14	20	0.21	1240
LCBL3 09+50S	201 238	< 5	2.54	0.2	5	90	< 0.5	2	0.24	< 0.5	16	119	26	4.36	< 10	1	0.09	30	0.96	486
LCBL3 09+75S	201 238	< 5	2.59	0.2	10	100	< 0.5	2	0.21	< 0.5	7	104	20	4.10	< 10	< 1	0.08	20	0.90	230
LCBL3 10+25S	201 238	< 5	2.21	0.2	< 5	150	< 0.5	2	0.34	1.0	27	63	36	4.14	< 10	1	0.22	50	0.93	1965
LCBL3 10+75S	201 238	5	2.20	0.2	< 5	100	< 0.5	< 2	0.13	0.5	8	79	24	4.20	< 10	< 1	0.08	40	0.65	228
LCBL3 11+00S	217 238	< 10	0.22	0.4	< 5	150	< 0.5	< 2	1.12	< 0.5	2	5	9	0.33	< 10	< 1	0.08	< 10	0.13	525
LCBL3 11+25S	203 238	< 5	2.45	0.2	< 5	100	< 0.5	< 2	0.17	0.5	7	185	27	4.21	< 10	2	0.14	20	0.70	280
LCBL3 11+50S	201 238	< 5	1.38	0.2	5	70	< 0.5	< 2	0.19	< 0.5	6	42	16	2.45	< 10	< 1	0.08	30	0.32	217
LCBL3 11+75S	201 238	< 5	0.88	0.2	< 5	130	< 0.5	2	0.18	< 0.5	5	31	19	1.51	< 10	2	0.04	20	0.09	119
LCBL3 12+00S	201 238	< 5	1.24	0.2	5	90	< 0.5	< 2	0.20	< 0.5	5	32	15	2.39	< 10	< 1	0.15	30	0.43	176

CERTIFICATION :

*PCG*



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 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 999 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS

C.C.: RALPH GONZALEZ

Page No. : 1-B  
 Tot. Page : 2  
 Date : 16-OCT-87  
 Invoice # : I-8724360  
 P.O. # :

## CERTIFICATE OF ANALYSIS A8724360

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LCBL3 00+25S	201 238	12	0.01	71	1260	2	5	< 10	18	0.02	< 10	< 10	44	< 5	152
LCBL3 00+50S	201 238	7	0.01	55	1220	< 2	< 5	< 10	21	0.04	< 10	< 10	33	< 5	123
LCBL3 00+75S	217 238	5	0.01	80	1400	8	< 5	< 10	60	0.01	< 10	< 10	19	< 5	130
LCBL3 01+00S	217 238	6	0.01	49	1230	6	< 5	10	47	0.01	< 10	< 10	13	< 5	95
LCBL3 01+25S	201 238	8	< 0.01	55	920	8	< 5	< 10	19	0.04	< 10	< 10	41	< 5	141
LCBL3 01+50S	201 238	6	0.01	96	1370	10	< 5	< 10	21	0.05	< 10	< 10	42	< 5	204
LCBL3 01+75S	201 238	4	< 0.01	42	1300	6	< 5	< 10	17	0.04	< 10	< 10	33	< 5	108
LCBL3 02+00S	201 238	6	< 0.01	49	1400	2	< 5	< 10	19	0.07	< 10	< 10	49	< 5	114
LCBL3 02+25S	201 238	6	< 0.01	63	2660	4	< 5	< 10	22	0.05	< 10	< 10	45	< 5	185
LCBL3 02+50S	201 238	4	< 0.01	64	1730	6	< 5	< 10	18	0.06	< 10	< 10	41	< 5	117
LCBL3 02+75S	217 238	1	0.01	96	1350	30	< 5	< 10	66	0.01	< 10	< 10	10	< 5	87
LCBL3 03+25S	217 238	4	0.01	92	1180	16	< 5	< 10	50	0.02	< 10	< 10	32	< 5	143
LCBL3 03+50S	217 238	3	0.02	30	1140	28	< 5	< 10	45	0.01	< 10	< 10	14	< 5	92
LCBL3 03+75S	203 238	3	0.02	157	1180	16	< 5	< 10	27	0.03	< 10	< 10	72	< 5	109
LCBL3 04+50S	217 238	< 1	< 0.01	7	1120	4	5	< 10	63	< 0.01	< 10	< 10	1	< 5	103
LCBL3 05+50S	203 238	< 1	0.01	22	400	16	5	< 10	12	0.09	10	< 10	39	< 5	48
LCBL3 05+75S	217 238	< 1	0.01	10	1110	16	5	< 10	37	0.02	< 10	< 10	5	< 5	90
LCBL3 06+00S	201 238	< 1	< 0.01	46	1170	12	< 5	< 10	18	0.06	< 10	< 10	68	< 5	118
LCBL3 06+25S	217 238	< 1	0.01	81	1100	40	< 5	< 10	32	0.13	10	< 10	47	< 5	130
LCBL3 06+50S	201 238	< 1	0.01	87	1080	24	5	< 10	26	0.17	< 10	< 10	50	< 5	98
LCBL3 06+75S	201 238	< 1	0.01	26	920	28	< 5	< 10	28	0.16	10	< 10	34	< 5	99
LCBL3 07+00S	201 238	< 1	< 0.01	77	1240	20	< 5	< 10	18	0.08	10	< 10	48	< 5	110
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LCBL3 07+50S	203 238	< 1	0.01	73	1750	10	< 5	< 10	42	0.02	30	< 10	20	< 5	66
LCBL3 07+75S	203 238	1	0.01	61	1050	22	< 5	< 10	28	0.06	10	< 10	46	< 5	72
LCBL3 08+00S	201 238	< 1	< 0.01	23	550	4	< 5	< 10	11	0.06	10	< 10	55	< 5	49
LCBL3 08+25S	217 238	< 1	0.01	24	1110	10	< 5	< 10	17	0.02	< 10	< 10	23	< 5	151
LCBL3 08+50S	217 238	< 1	0.01	13	1660	12	5	< 10	62	0.01	< 10	< 10	8	< 5	114
LCBL3 08+75S	201 238	< 1	< 0.01	65	930	22	< 5	< 10	12	0.06	20	< 10	78	< 5	81
LCBL3 09+00S	201 238	< 1	< 0.01	49	580	8	< 5	< 10	11	0.09	10	< 10	59	< 5	90
LCBL3 09+25S	201 238	< 1	0.01	33	1020	26	< 5	< 10	29	0.08	< 10	< 10	41	< 5	79
LCBL3 09+50S	201 238	< 1	< 0.01	58	1190	10	< 5	< 10	19	0.18	10	< 10	65	< 5	91
LCBL3 09+75S	201 238	< 1	0.01	42	1020	12	< 5	< 10	19	0.17	< 10	< 10	66	< 5	64
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LCBL3 10+75S	201 238	< 1	< 0.01	47	620	< 2	< 5	< 10	17	0.10	10	< 10	63	< 5	83
LCBL3 11+00S	217 238	< 1	0.01	14	930	8	5	< 10	68	0.01	< 10	< 10	5	< 5	48
LCBL3 11+25S	203 238	< 1	0.01	32	460	32	< 5	< 10	24	0.21	< 10	< 10	77	< 5	66
LCBL3 11+50S	201 238	< 1	< 0.01	22	350	14	< 5	< 10	21	0.13	10	< 10	58	< 5	52
LCBL3 11+75S	201 238	< 1	0.01	22	330	16	< 5	< 10	38	0.08	< 10	< 10	46	< 5	35
LCBL3 12+00S	201 238	< 1	< 0.01	15	910	10	5	< 10	18	0.12	10	< 10	34	< 5	59

CERTIFICATION :



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 212 BROOKSBANK AVE., NORTH VANCOUVER,  
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 PHONE (604) 984-0221

To: MARK MANAGEMENT LIMITED

1900 - 000 W. HASTINGS ST.  
 VANCOUVER, B.C.  
 V6C 2W2

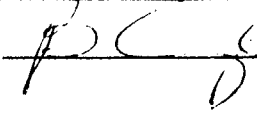
Project: LIGHTNING CREEK

Comments: ATTN: SPURLIN EDWARDS C.C.: RALPH GONZALEZ

Page No. 2-A  
 Tot. Pages  
 Date 6-OCT-87  
 Invoice #: 1-8724360  
 P.O. # :

## CERTIFICATE OF ANALYSIS A8724360

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
	201	238	FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
LCBL3 12+25S	201	238	< 5	1.31	0.4	< 5	100	< 0.5	< 2	0.24	< 0.5	5	36	12	2.46	< 10	< 1	0.15	20	0.57	166
LCBL3 12+50S	201	238	< 5	1.10	0.2	< 5	190	< 0.5	4	0.50	0.5	9	26	14	1.54	< 10	< 1	0.18	20	0.42	646

CERTIFICATION : 



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1900 - 999 W. HASTINGS ST.  
VANCOUVER, B.C.  
V6C 2W2

Project: LIGHTNING CREEK

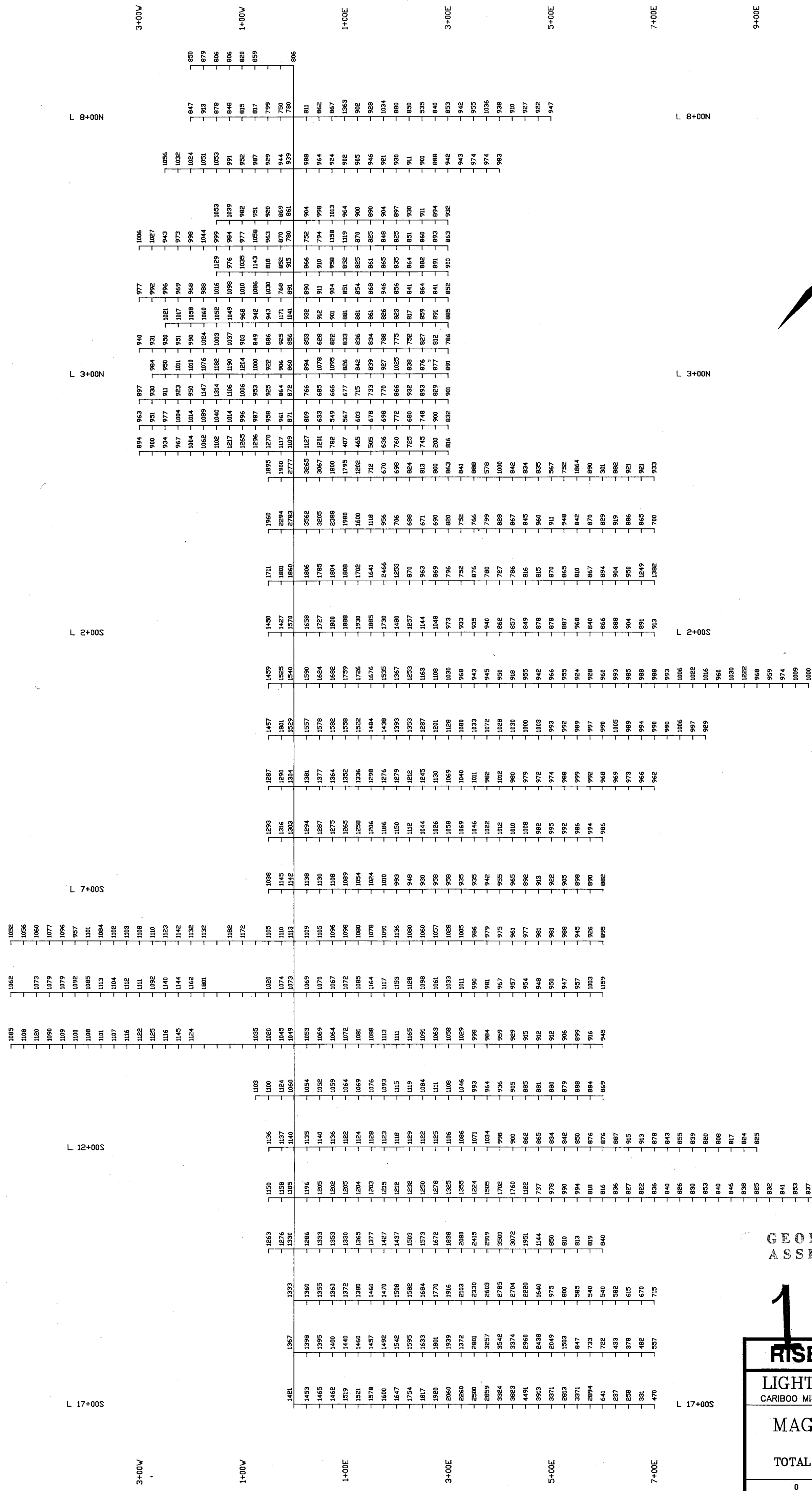
Comments: ATTN: SPURLIN EDWARDS C.C.: RALPH GONZALEZ

Page No.: 2-B  
Tot. Pages: 2  
Date: 26-OCT-87  
Invoice #: I-8724360  
P.O. #:

## CERTIFICATE OF ANALYSIS A8724360

SAMPLE DESCRIPTION	PREP CODE		Mb	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LCBL3 124-25S	201	238	< 1	< 0.01	13	1050	6	< 5	< 10	20	0.12	10	< 10	34	< 5	72
LCBL3 124-50S	201	238	< 1	0.01	16	730	26	< 5	< 10	31	0.08	< 10	< 10	23	< 5	87

CERTIFICATION :

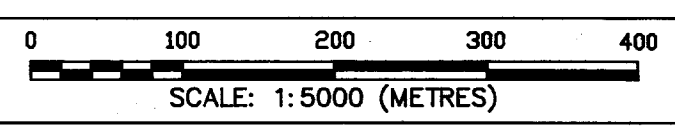


LEGEND:  
 1000 MAGNETOMETER RESULT IN GAMMAS  
 DATUM: 57 000 GAMMAS

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,010

**RISE RESOURCES INC.**  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION, B.C. NTS: 93 H/4  
 MAGNETOMETER SURVEY  
 B.L. 1  
 TOTAL FIELD MAGNETIC SUSCEPTIBILITY



DATE: JANUARY, 1988  
 BY: K.A./rwr MAP 1

10+00W

10+00E

5+00W

5+00E

10+00W

10+00E

15+00W

15+00E

20+00W

20+00E

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L 6+00S

L 8+00S

L 10+00S

L 12+00S

L 2+00S

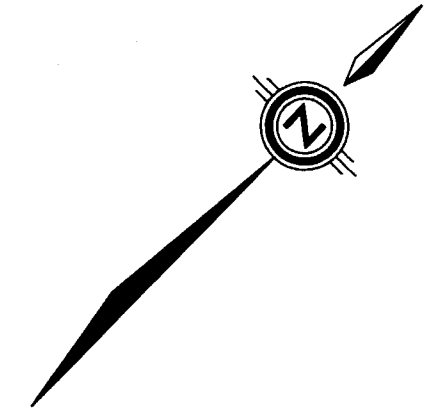
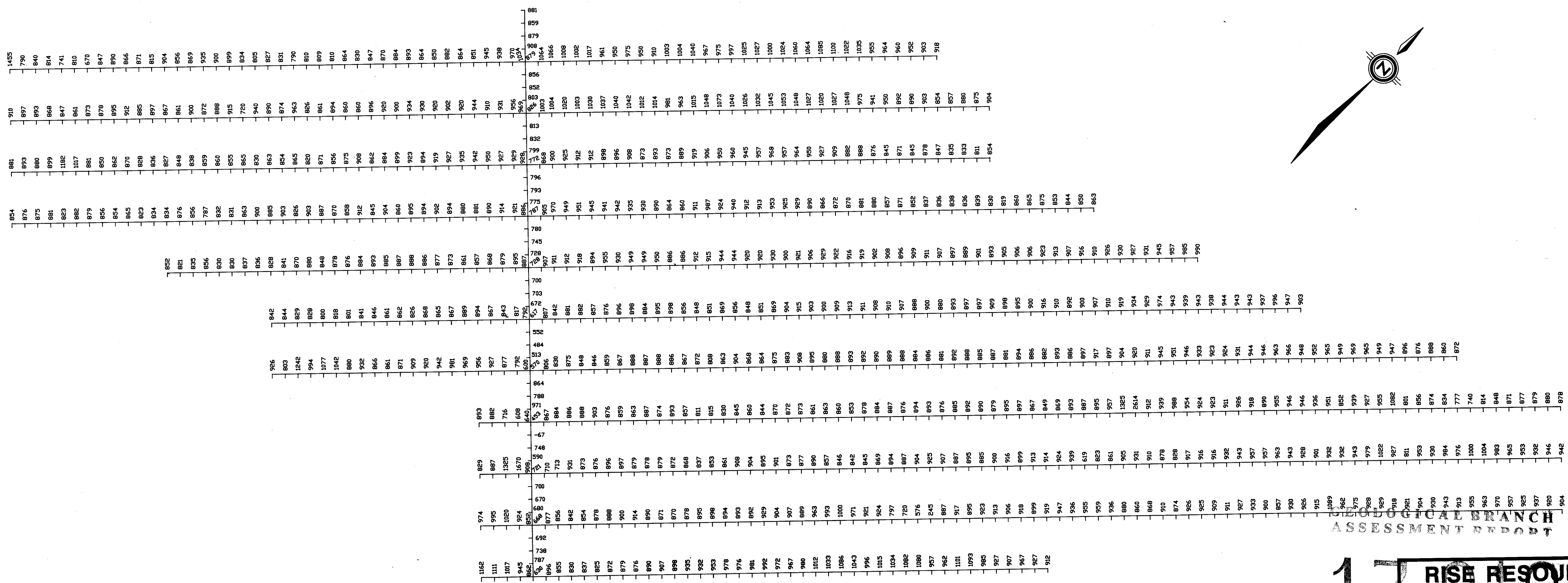
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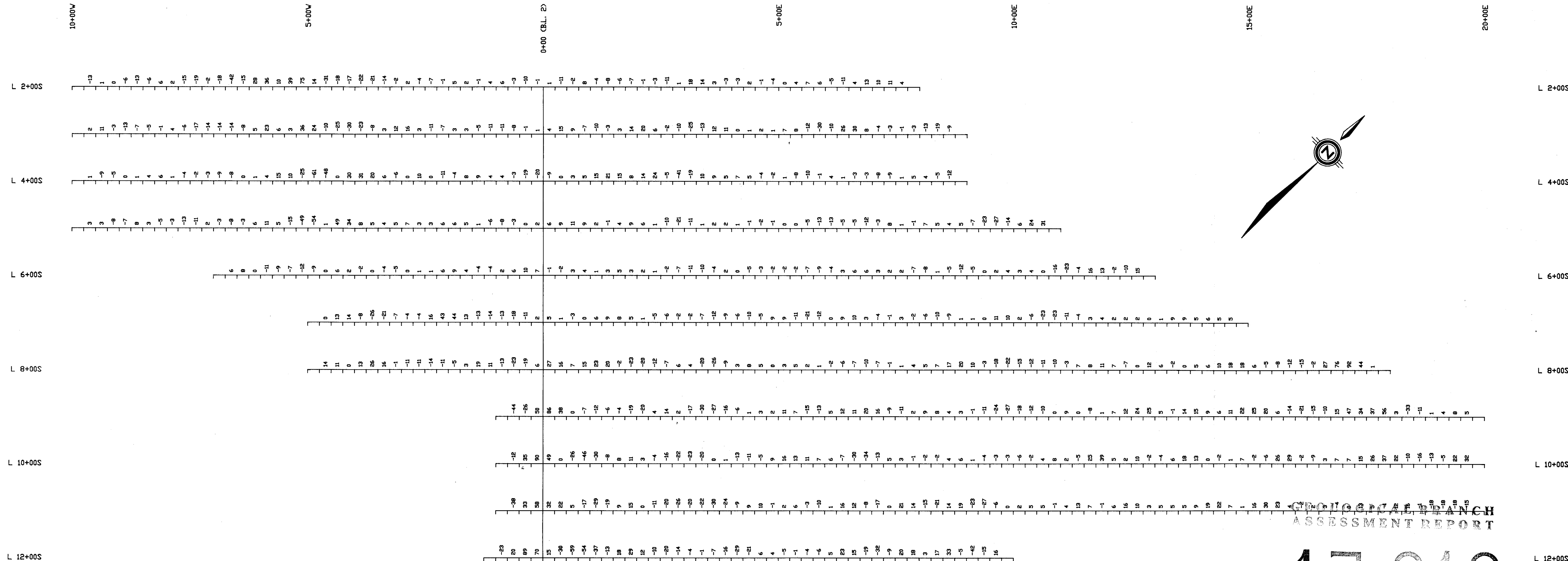
LEGEND:  
 912 MAGNETOMETER RESULT  
 DATUM: 57 000 GAMMAS

**17** **RISE RESOURCES INC.**  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION NTS: 93 H/4

**MAGNETOMETER SURVEY**  
 B.L. 2  
 TOTAL FIELD MAGNETIC SUSCEPTIBILITY

0 100 200 300 400  
 SCALE: 1:5000 (METRES)

DATE: JANUARY, 1988  
 BY: K.A./rwr MAP 5



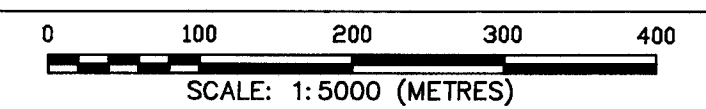
GEOTECHNICAL BRANCH  
ASSESSMENT REPORT

17,010

**RISE RESOURCES INC.**

LIGHTNING CREEK PROPERTY  
CARIBOO MINING DIVISION, B.C. NTS: 93 H/4

VLF EM-16 SURVEY  
B.L. 2  
**FRASER FILTERED RESULTS**



DATE: JANUARY, 1988  
BY: K.A./rwr

MAP 7

Prepared by: RWR MINERAL GRAPHICS LTD.

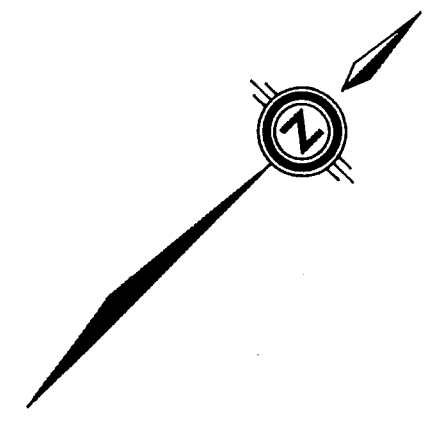
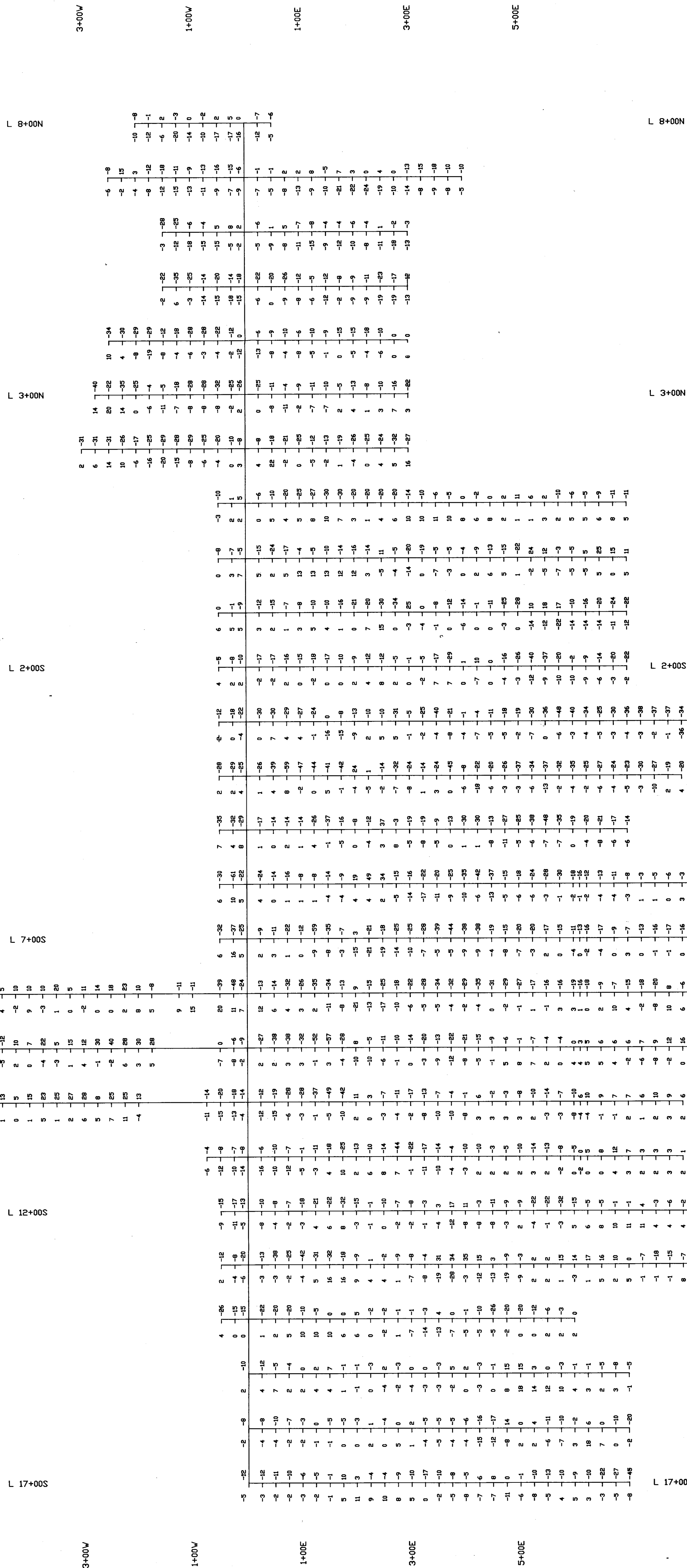
LEGEND:

FRASER FILTERED VALUE (%)

STATION: CUTLER, MAINE (24.0 kHz)







LEGEND:  
 I INPHASE RESULT (I)  
 Q QUADRATURE RESULT (Q)  
 STATION: CUTLER, MAINE (24.0 KHz)

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

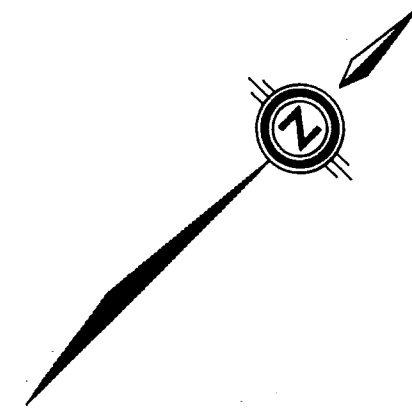
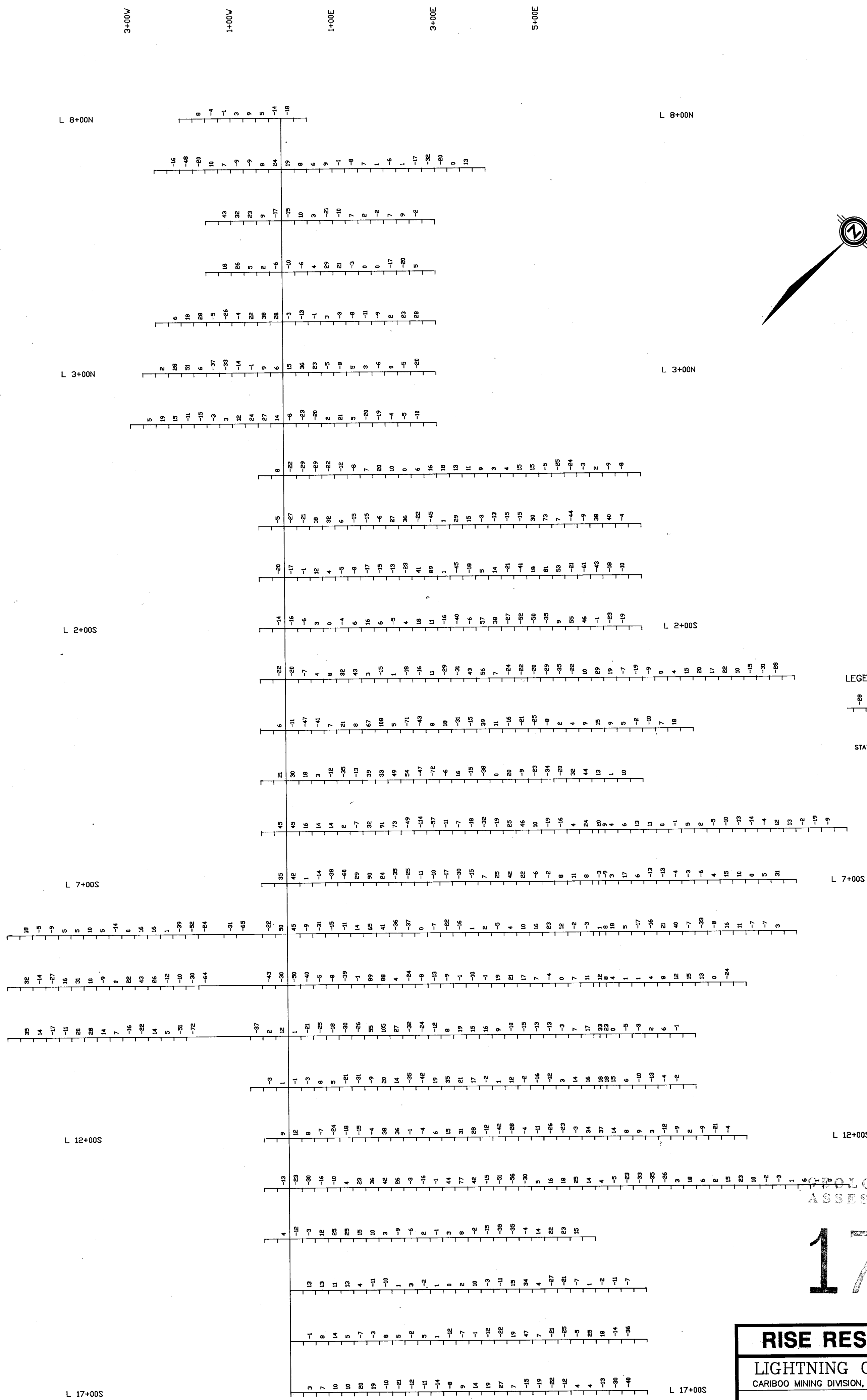
17,010

**RISE RESOURCES INC.**  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION, B.C. NTS: 93 H/4

VLF EM-16 SURVEY  
 B.L 1  
 INPHASE & QUADRATURE RESULTS

0 100 200 300 400  
 SCALE: 1:5000 (METRES)

DATE: JANUARY, 1988  
 BY: K.A./rwr MAP 2

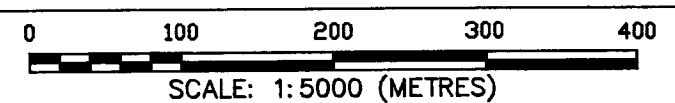


LEGEND:  
 [Symbol] FRASER FILTERED RESULT (X)  
 STATION: CUTLER, MAINE (24.0 KHZ)

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

17,010

**RISE RESOURCES INC.**  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION, B.C. NTS: 93 H/4  
 VLF EM-16 SURVEY  
 B.L. 1  
 FRASER-FILTERED RESULTS



DATE: JANUARY, 1988  
 BY: K.A./rwr MAP 3



2+00W

0+00 (B.L. 3)

2+00E

2+00S

2+00S

7+00S

7+00S

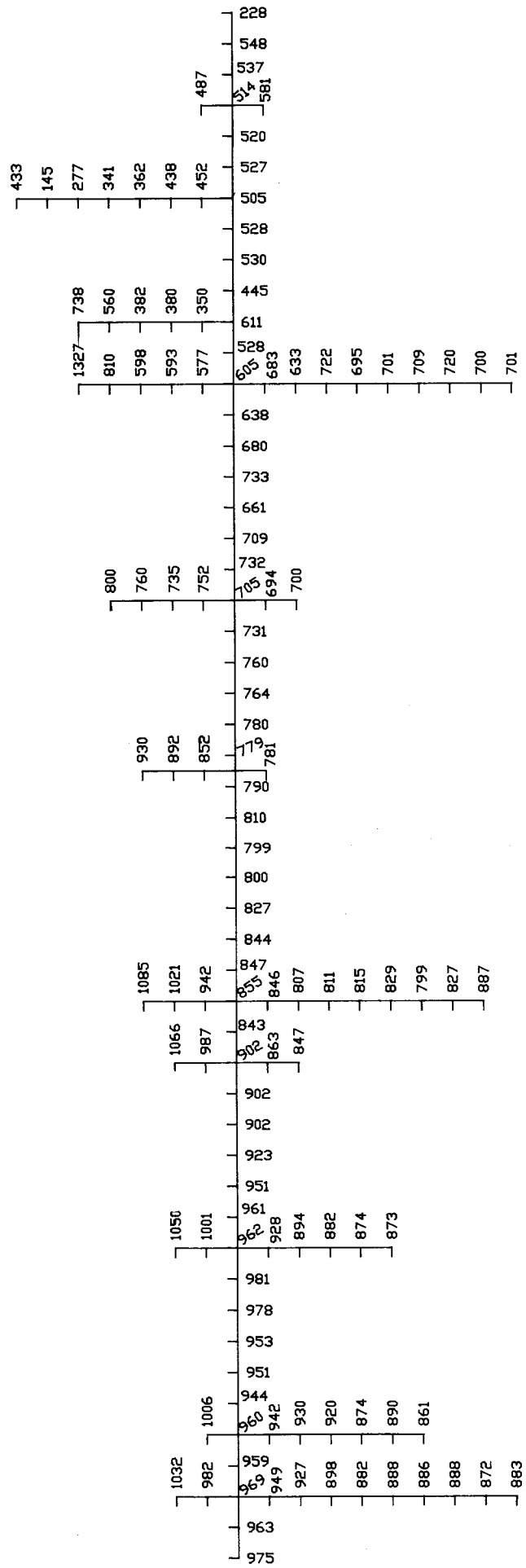
12+00S

12+00S

2+00W

0+00 (B.L. 3)

2+00E



LEGEND:

873 MAGNETOMETER VALUE IN GAMMAS

DATUM: 57 000 GAMMAS

### GEOLOGICAL BRANCH ASSESSMENT REPORT

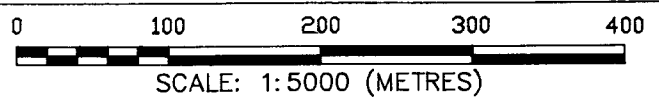
# 17,010

## RISE RESOURCES INC.

LIGHTNING CREEK PROPERTY  
CARIBOO MINING DIVISION, B.C. NTS: 93 H/4

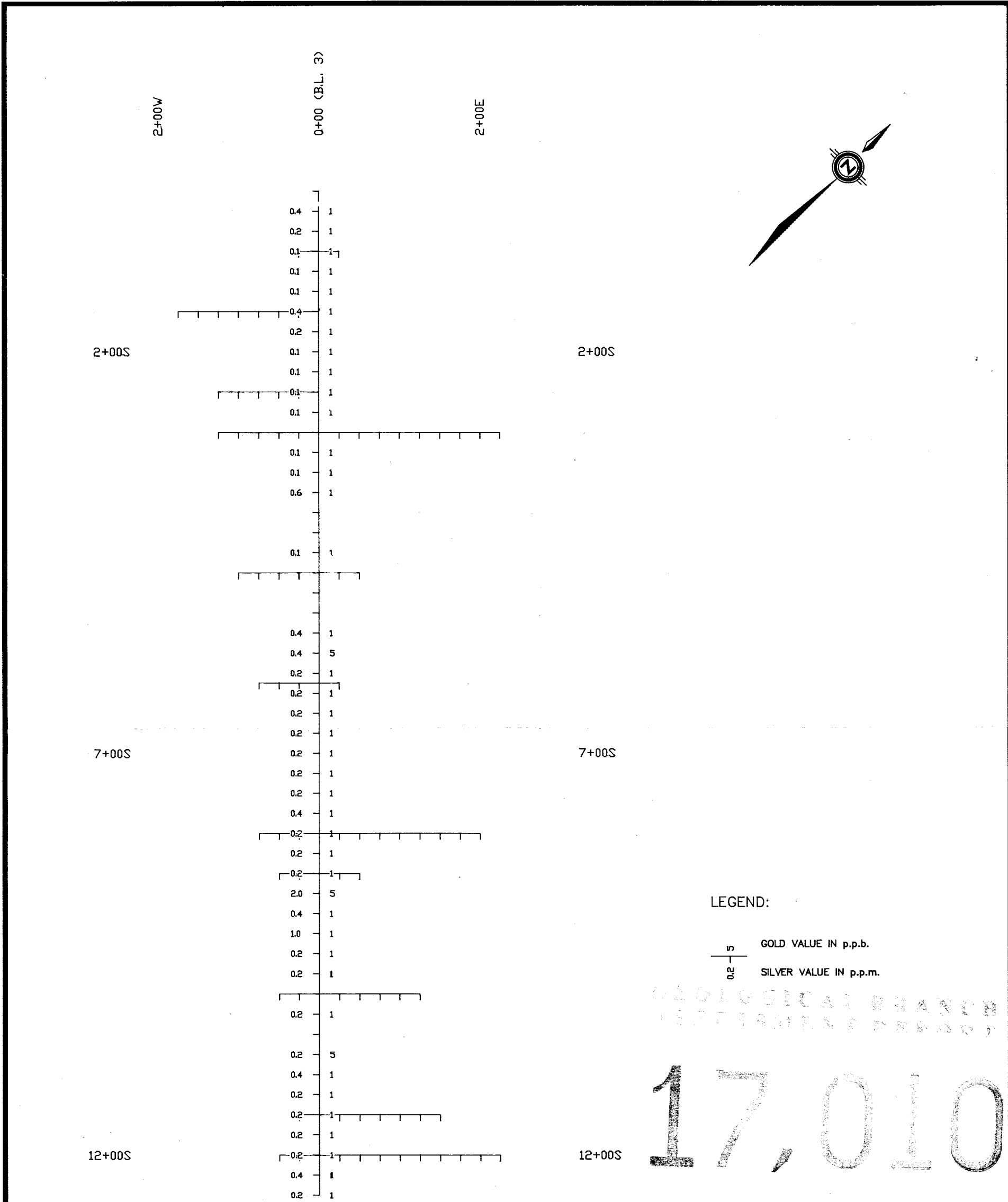
### MAGNETOMETER SURVEY B.L. 3

TOTAL FIELD MAGNETIC SUSCEPTIBILITY

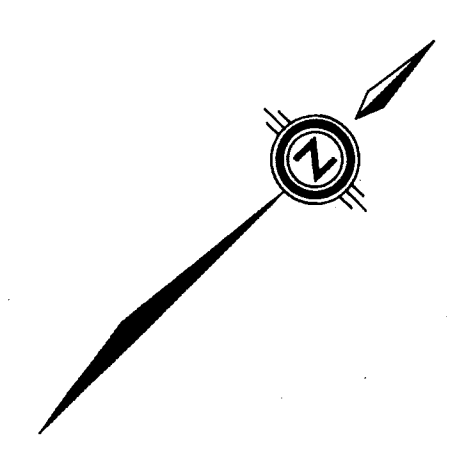
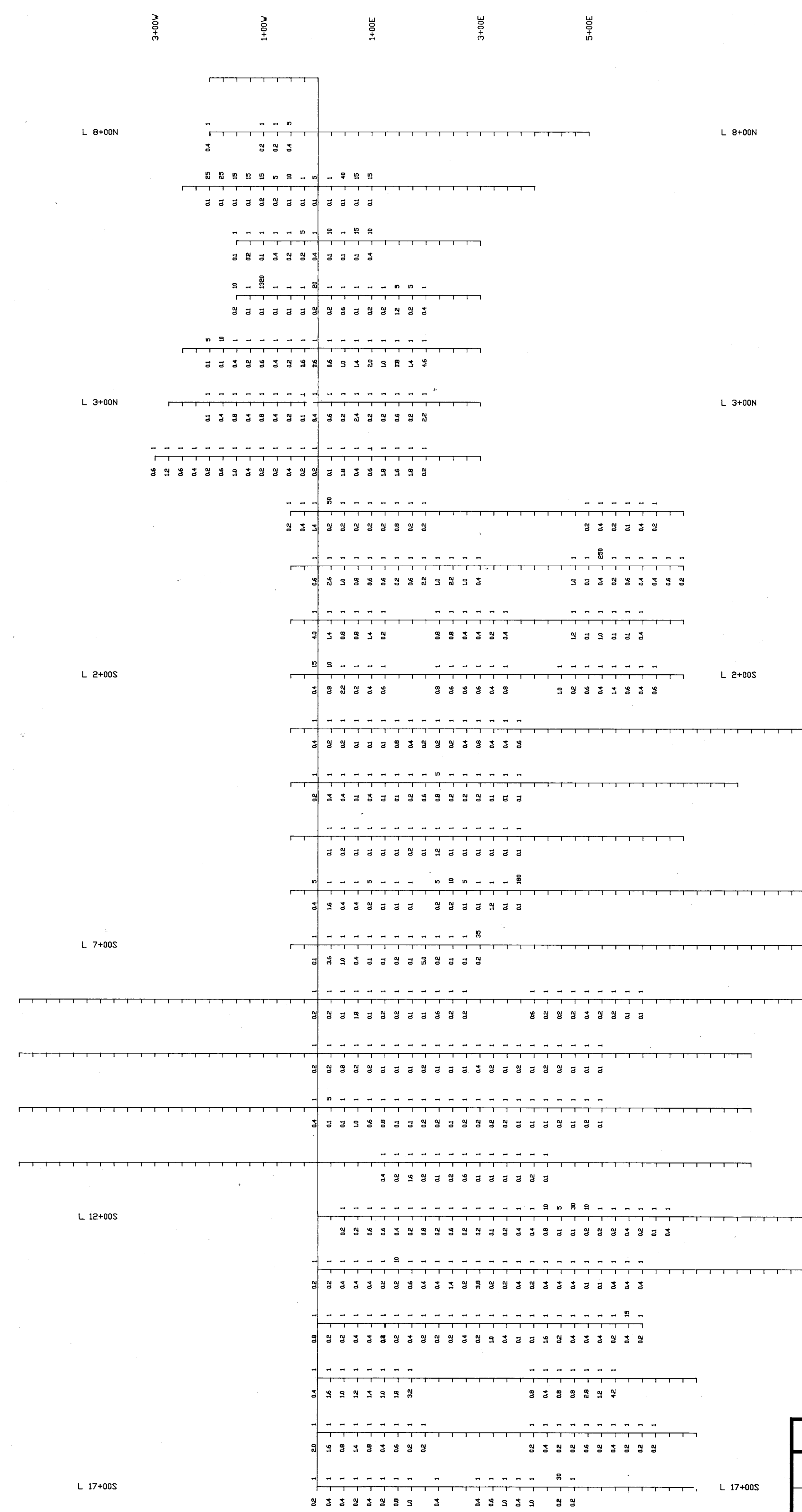


DATE: JANUARY, 1988  
BY: K.A./rwr

MAP 9



<b>RISE RESOURCES INC.</b>	
LIGHTNING CREEK PROPERTY	
CARIBOO MINING DIVISION, B.C.	NTS: 93 H/4
GEOCHEMISTRY SURVEY	
B.L. 3	
GOLD & SILVER RESULTS	
 SCALE: 1:5000 (METRES)	
DATE: JANUARY, 1988	MAP 10
BY: K.A./rwr	

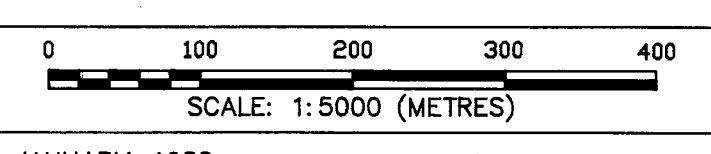


LEGEND:  
 1 GOLD VALUE IN p.p.b.  
 10 SILVER VALUE IN p.p.m.

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

**17,010**

**RISE RESOURCES INC.**  
 LIGHTNING CREEK PROPERTY  
 CARIBOO MINING DIVISION, B.C. NTS: 93 H/4  
 GEOCHEMISTRY SURVEY  
 B.L 1  
 GOLD & SILVER RESULTS



DATE: JANUARY, 1988  
 BY: K.A./rwr  
 MAP 4