REPORT ON THE

DONA AND IRENE CLAIMS

KEEFER LAKE AREA

VERNON MINING DIVISION,

BRITISH COLUMBIA

Latitude 50° 08'N Longitude 118° 24'W

NTS 82L/1W

FOR

Keefer Resources Inc.
301-701 West Georgia Street,
Vancouver, B.C.,
V7Y 1C4

BY

David A. Thompson, B.Sc., Project Geologist
Hi-Tec Resource Management Ltd.
1500 - 609 Granville St.
Vancouver, B.C.
V7Y 1G5

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Period of work: September 13-28, 1988

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SUMMARY

A total of 22 claims located in the Keefer Lake district, B.C., are held by Keefer Resources Inc. The Keefer Lake property is situated approximately 48 kilometers southwest of Lumby, B.C. Pursuant to a request by Mr. Daniel Small, President of Keefer Resources Inc., a geochemical sampling and geological mapping program was conducted on the Keefer Lake property during September, 1988.

The Keefer Lake district lies at the eastern margin of the Intermontane Belt and west of the Omineca Crystalline Belt. The Intermontane Belt is characterized by argillaceous and calcareous sediments and volcanics of Carboniferous to Jurassic age.

During July, 1988 a preliminary geochemical sampling program outlined two areas on the Irene 2, 3 and 5 claims which warranted further exploration, as a result of the discovery of gold mineralization in stream sediments. In September, 1988 two grids were established over the Irene claims and soil samples were collected in an attempt to trace the source of the anomalous stream sediment samples. Rock samples were collected where outcrop, quartz veins and mineralization were encountered. Stream sediment samples were collected upstream and downstream from the anomalous stream sediment sample locations.

The soil sample results revealed several anomalous gold values, with two spot highs of 291 ppb Au and 378 ppb Au related to sediment-laden soil near creeks. The rock samples returned no anomalous results while the stream sediment samples returned several anomalous results. Sediment from the creek on the Irene 2 and 3

claims containing the 8,100 ppb sample collected during July, 1988 returned an anomalous Au value of 110 ppb. In the creek on the Irene 5 claim where a 220 ppb Au sample was collected during July 1988, several sediment samples were anomalous with values of 608 ppb Au, 176 ppb Au, 110 ppb Au and 688 ppb Au. Along the Kettle River, samples returned values of 997 ppb Au, 476 ppb Au, and 257 ppb Au. Silver, zinc and arsenic values reached 3.2 ppm, 374 ppb, and 174 ppm respectively.

The results of the September, 1988 geochemical survey indicate that the source of the anomalous stream sediment samples is not located on the gridded areas of the Irene claims. However, the property to the north of the Irene 2 claim and the property to the south of the Irene 5 claim should be acquired to further trace the source of the anomalous stream sediment samples.

The most significant occurrences of mineralization are found on the Dona 3 to 6 claims. The mineralization consists of pyrite, chalcopyrite, malachite and trace arsenopyrite. The host rocks are predominantly phyllitic and tuffaceous units with interbedded calcareous laminae. The mode of occurrence of the mineralization varies from disseminations and mineralized stringers of fine grained material to 2-3 cm sized pods of massive mineralization, predominantly pyrite. Anomalous gold and silver values up to 695 ppb Au and 445 ppm Ag have been recorded during a previous program (Collins, 1988).

Further work on the Dona claims including a drill program designed to define the geometry and grade characteristics of the mineralized zone is warranted and highly recommended.

1.0 INTRODUCTION

Pursuant to a request by Mr. Daniel Small, President of Keefer Resources Inc., a geological mapping and geochemical sampling program was conducted on the Keefer Lake property during September 1988. The purpose of the program was to trace a possible source for several stream sediment anomalies outlined during the July, 1988 program. Work during the September, 1988 program was confined to the Irene 2, 3 and 5 claims.

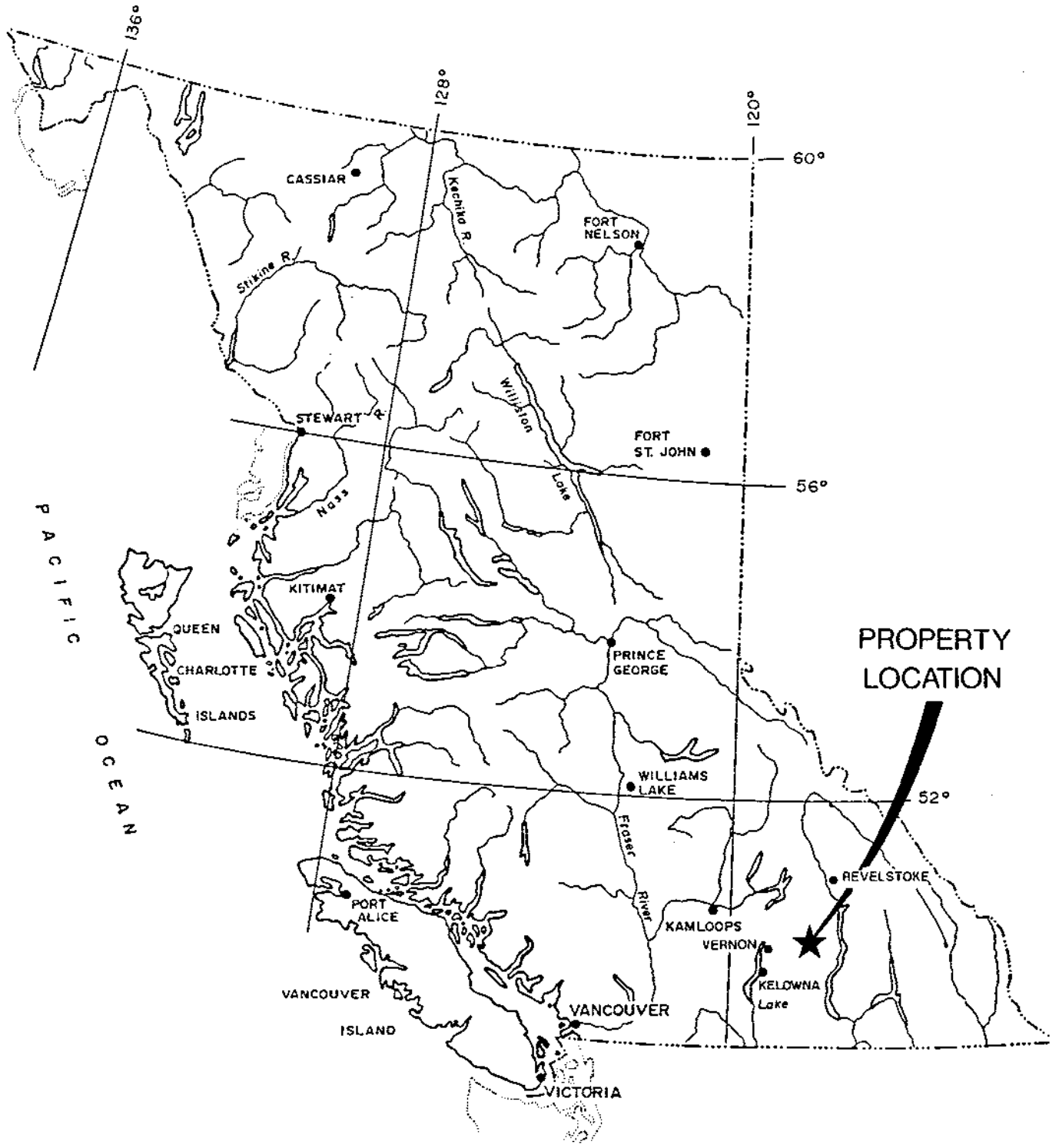
1.1 Location and Access

The Keefer Lake property is situated approximately 48 kilometers southwest of Lumby, B.C. (Figure 1), and is found on NTS map sheet 82L/1W, centered on latitude 50° 08' North and longitude 118° 24' West.

The claim group is accessed from Highway No.6 via a logging road which runs along the Kettle River through the entire southern portion of the claim block. Access to the northeastern part of the property is via a four wheel drive track off this road. To facilitate access to the northwest segment of the claim group a second offshoot dirt track was constructed by El Paso Mining and Milling Company during the mid 1970's.

1.2 Physiography

The subject property is situated in the Monashee Mountains at the head waters of the Kettle River with Keefer Lake. The central part of the property occupies the valley floor of the Kettle River while the remaining portions of the property lie on the steep flanks of the Whatshan Range of the Monashee Mountains.



KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

GENERAL LOCATION MAP

HI-TEC RESOURCE MANAGEMENT LTD	SCALE: as shown	N.T.S.: 82L/1	FIGURE No: 1
	DWN. BY: H.V.	DATE: Sept./1988	
	CHKD. BY: D Collins	PROJECT No: 88BC 020b	FILE No: T-1

Property elevations range from 1,300 meters along the Kettle River to approximately 1,800 meters on the south slope of Yeoward Mountain. Throughout the area, vegetation varies from sparse to thick coniferous and alder growth. The valley floor surrounding the Kettle River and Keefer Lake is occupied by an alluvial plain which masks the outcrop in this area. Estimates of the overburden thickness for the remainder of the property were made where possible and in general it appears to to be less than 6 meters thick.

1.3 Property and Ownership

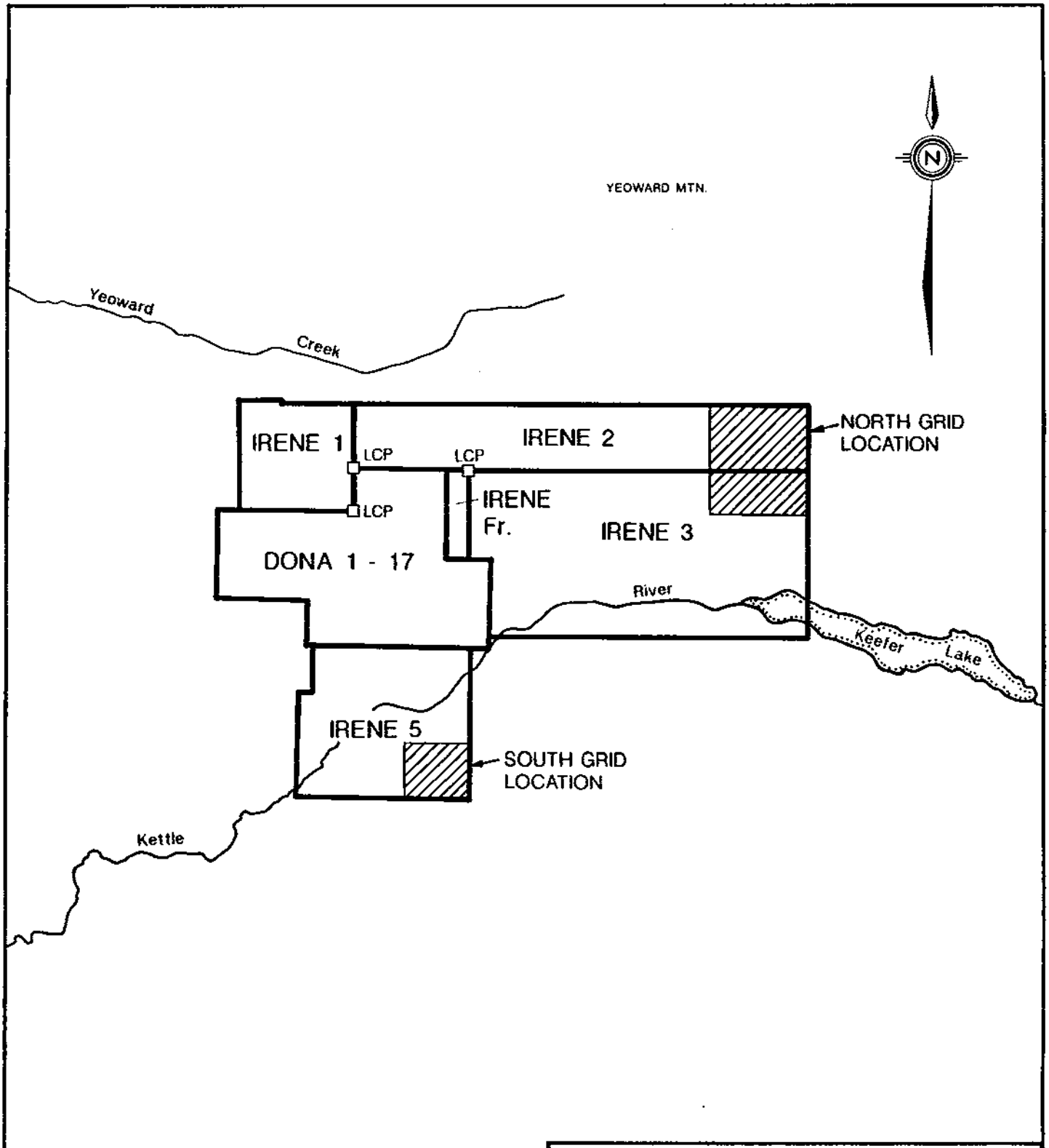
The Keefer Lake claim group comprises 22 mineral claims, totaling 57 units, and are held by Keefer Resources Inc. (Figure 2).

The property is recorded at the British Columbia Ministry of Energy, Mines and Petroleum Resources as follows:

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE
Dona 1 - 11	17281-17291	11	July 27, 1991
Dona 12- 17	17390-17395	6	Sept.28, 1991
Irene 1	964	4	Dec. 11, 1991
Irene 2	1231	8	July 9, 1991
Irene 3	1232	18	July 9, 1991
Irene 5	1234	9	July 9, 1991
Irene Fraction	1235	1	July 9, 1991

2.0 HISTORY AND PREVIOUS WORK

A concise history of the exploration in the Monashee Mountains region and in the area of the subject



KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

CLAIM MAP

HI-TEC RESOURCE MANAGEMENT LTD

SCALE: 1 : 50,000	N.T.S.: 82L/1	FIGURE No: 2	
DWN. BY: H.V.	DATE: Sept./1988		
CHKD. BY: D Collins	PROJECT No: 88BC 020 b	FILE No: L-2	

property itself, is taken from Smith (1986) and Collins (1988).

"The earliest recorded work in the area took place on Monashee Mountain, west of the present DONA property. Here, a well defined ledge of free-milling gold quartz varying form a few inches to three or four feet in width was exposed in Paleozoic slates. Several other veins were also developed in this area during the early part of the century, but have received little attention recently. It is probable that these occurrences were discovered as prospectors searched for the source of the placer gold found in many of the surrounding creeks.

The DONA 1-11 claims were located by El Paso Mining and Milling Company on July 27, 1973 as a result of encouraging values obtained in a regional silt geochemistry program. Six additional two-post, one fractional and five modified grid claims were subsequently staked to protect obvious extensions of the mineralized zone.

During 1974, a grid was established over these claims and a work program consisting of soil and lithogeochemistry, EM and self potential geophysics, trenching, geological mapping and eventually percussion drilling was undertaken. The following table summarizes the work carried out by El Paso:

Grid establishment		28 kilometers
Soil geochemistry		788 samples
Geophysics	SP	6 kilometers
	VLF-EM	20 kilometers
Trenching		1900 m in 12 trenches
Road construction	vehicle	1.43 kilometers
	cat	0.51 kilometers
Percussion drilling		980 meters in 19 holes

Although the data generated from this program was encouraging, El Paso concluded that the probability of locating an economic ore body was low, and eventually turned over the property to former employees operating as independent geological consultants.

Subsequent work carried out on the claims has consisted of redefining mineralized zones located by earlier

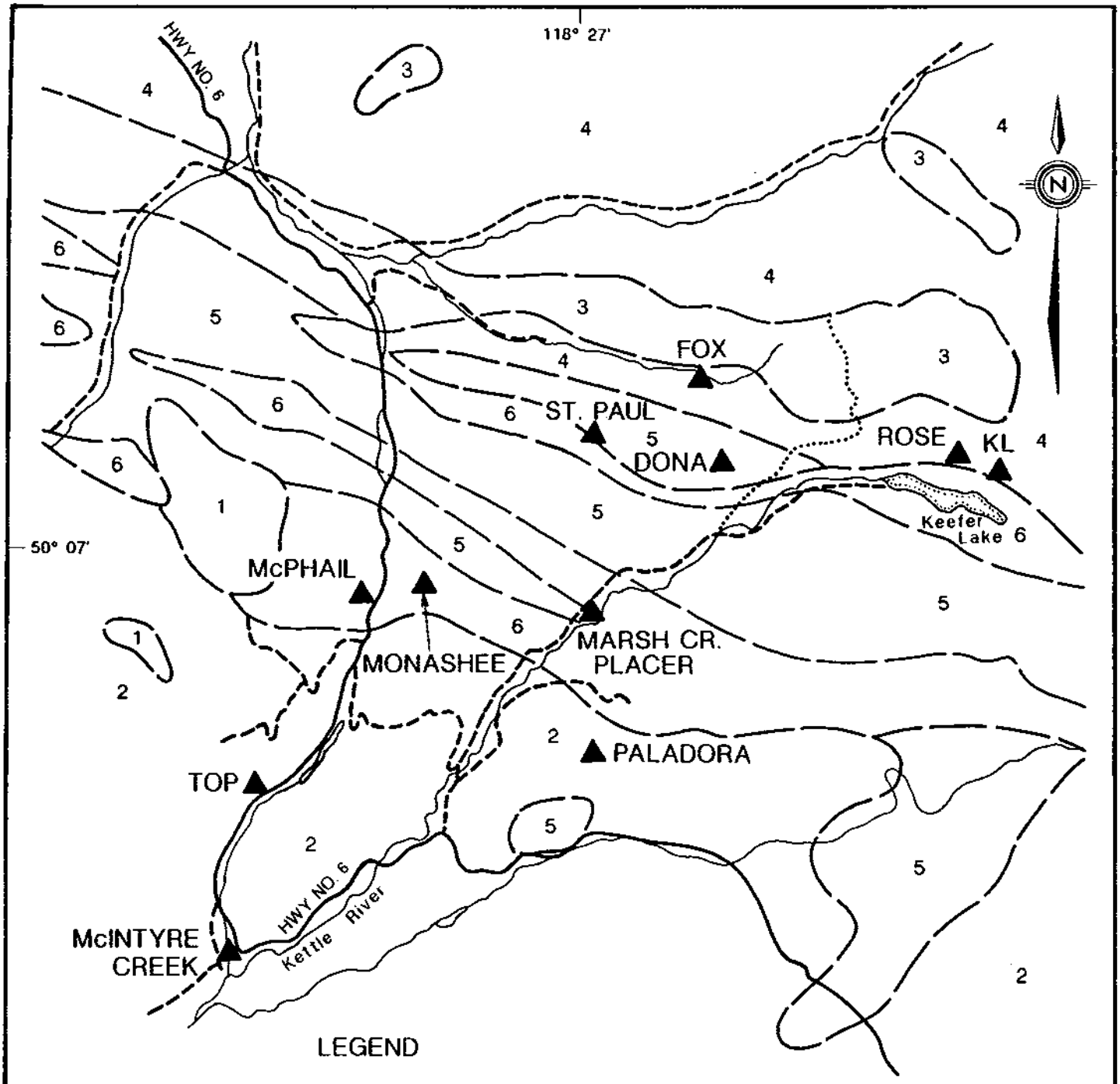
trenching and detailed sampling. This work had only limited success."

The percussion and rotary drilling program conducted by El Paso Mining and Milling Company during 1974 consisted of drilling 50 foot centres along their trenches 1 and 4 on the Dona 5 and 6 claims. However, many of these were terminated short of their target depths of 200 feet due to the intersection of ground water in the holes (Jones, 1974). Smith (1986) states that by 1986 the exposed mineralized zones on the Dona claims had been tested with 19 percussion holes totaling 3216 feet. He reports "The best results come from hole P.11 [Dona 5 claim], where values of 1.78 oz/t Ag and 0.15 oz/t Au were obtained across 0.6 m, hole P.10 [Dona 6 claim] where 0.6 meters grading 5.03 oz/t Au [?] was intersected and in hole P.17 [Dona 5 claim] where a 0.6 m section assayed 0.26 oz/t Au and 0.10 oz/t Ag."

A total of 390 meters of trenching was completed during October 1984 and access roads were rehabilitated. Elevated gold values were reported in trenches # 5, 1, 1A (Bayrock, 1985).

Recently El Paraiso Resources Ltd. and Venturex Resources Ltd. entered into an option agreement on the Top claims at Monashee Pass, 12 km to the southwest of the subject property (Figure 3). A diamond drilling program was conducted on the Top claims during the summer of 1988 (Stockwatch July 19, 1988).

Work carried out during July, 1988 on the Dona and Irene claims consisted of a brief program of geological mapping, prospecting and geochemical sampling. The program was conducted by Hi-Tec Resource Management



KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

REGIONAL GEOLOGY & MINERAL SHOWINGS

M-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1 : 125,000	N.T.S.: 82L/1	FIGURE No: 3	
DWN. BY: H.V.	DATE: Sept./1988		
CHKD. BY: D. Collins	PROJECT No: 88BC 020b	FILE No: G-3	

Ltd. Results from the program were encouraging, leading to a recommendation for further exploration.

The July 1988 work defined several areas with anomalous precious and base metal values. The main zone of mineralization occurs on the Dona claims where Au values up to 695 ppb and Ag values of up to 442 ppm were recorded. A stream sediment sample from the stream which drains the east side of the Irene 2 and Irene 3 claims yielded an anomalous gold value of 8100 ppb and a zinc value of 107 ppm. Stream sediment samples 88-SSHB-8 and 88-SSHB-11 which drain from the Dona claims and the Irene 5 claim respectively yielded anomalous gold values of 1020 ppb and 220 ppb.

3.0 GEOLOGY

An excellent summary of the regional and property geology is given by Collins (1988).

3.1 Regional Geology

"The Keefer Lake district lies at the eastern margin of the Intermontane Belt and west of the Omineca Crystalline Belt. The Intermontane Belt is characterized by argillaceous and calcareous sediments and volcanics of Carboniferous to Jurassic age (Okulitch, 1977). These are overlain to the north by sediments and volcanics of Triassic age and are intruded by plutonic rocks of Jurassic age to the south (Figure 3).

Rocks of the Thompson Assemblage form the oldest strata in the area. These form a broad northwest-southeast oriented elongate unit across the area. These strata were formerly termed the Cache Creek Group but are now

differentiated from the latter group on faunal characteristics. They may, however, be a coeval lateral facies (Monger, 1975). The Thompson Assemblage strata are characterized by an interdigitating sequence of argillaceous sediments, volcanic rocks and limestone pods. Fossils of Late Mississippian, Pennsylvanian and Permian ages have been obtained from the limestone and mudstones of this assemblage. Lithological similarities exist between various localities in the region and some of these have yielded late Triassic fossils. However, the lack of macroscopic diagnostic features make field-based differentiation difficult.

The Thompson Assemblage rocks have undergone some degree of deformation and sub-greenschist facies metamorphism coeval with Jurassic-Cretaceous orogenic events (Wheeler et al., 1972). The degree of deformation is markedly less than in the adjacent low grade rocks to the northeast and north. Folds in the Thompson Assemblage generally parallel the regional stratigraphic trend i.e. northwest near Vernon and westerly in the Coldstream Valley (Okulitch, 1977).

A period of Permo-Triassic uplift and erosion has resulted in the Thompson Assemblage rocks being unconformably overlain to the north by rocks of the Slocan and Nicola Groups (Read and Okulitch, 1977). Shale, limestone and clastic sediments of the Slocan Group extend across both the Intermontane and Omineca Crystalline Belts. These are correlated with the Cache Creek Group strata. Metamorphism within these rocks is low grade biotite-zone type and is coeval with Jurassic-Cretaceous orogenic events. Outcrops of argillaceous limestone near Keefer Lake yielded Conodont fauna which are similar to those from the Slocan Group west of Okanagan Lake and the Nicola Group

near the south Thompson River (Okulitch, 1977). The Nicola Group strata are characterized by augite andesite flows, breccia, tuff, greenstone and minor sediments.

Late Jurassic plutonic rocks intrude the Thompson Assemblage to the south of the Keefer Lake area. Little (1957) sub-divided the Late Jurassic plutonic rocks into two suites, namely the Nelson and Valhalla plutonic complexes. The Nelson plutonic rocks are predominantly foliated massive quartz diorite and granodiorite whereas the coeval and partly younger Late Jurassic Valhalla rocks are typically massive granodiorite. Emplacement of the Valhalla plutonic rocks has been partly syn- and post-tectonic and may have participated in the late stages of regional deformation.

Tertiary volcanic rocks occur as isolated patches of variable thickness in parts of the region. Andesite, basalt, dacite and trachyte flows and related breccia, tuff and agglomerate comprise much of this unit throughout the region (Okulitch, 1977). In the subject property area these units unconformably overlie the Thompson Assemblage.

3.2 Property Geology

The claim group is predominantly underlain by varieties of black intensely cleaved argillite and dark grey to grey siliceous phyllite. Intermixed felsic volcanics with argillaceous sediments and an intrusive diorite stock are evident in places within the Dona claims (Figure 4). Calcareous sediments occur both within

these units and as a separate assemblage on the property.

An argillaceous limestone unit outcrops in the south central portion of the claims (unit 5, Figure 4). This comprises a massive tectonized unit with interbedded thin (10 to 15 cm) chert partings and nodules. The chert nodules vary in size from 5 to 20 cm when measured along their long axis. Minor shaly partings are evident within the limestone. Recrystallization of the limestone has occurred throughout and this has made fossil identification difficult.

The intermixed sediments and volcanics of unit 4 (Figure 4) comprise dark grey phyllites, argillites, tuffs and andesitic volcanics. Pale calcareous laminae occur within the phyllites and these commonly exhibit a fining upwards in grain size and diffuse tops. The volcanics are not well exposed, however, evidence from previous trenching on the Dona claims has shown that individual volcanic flows have been altered by mineralizing hydrothermal fluids (Smith, 1986). Petrographic studies by Bayrock (1985) identified actinolite and clinozoisite rich hydrothermal alteration zones within lime rich horizons of the volcanics.

The black fissile argillite of unit 3 (Figure 4) frequently has weathered and decomposed pyrite-like crystals incorporated within it. These are evident along the cleavage planes of the argillite.

Outcrops of dacite with hornblende phenocrysts occur in the northeastern portion of the subject property. These are correlated with the Nicola Group of previous workers.

The intermixed volcanics and sediments of unit 4 (Figure 4) are intruded by a diorite stock which is exposed on the Dona 3, 4 and 5 claims. The diorite is a massive medium grained unit which is locally quartz rich. In the trench 1 and 2 area of El Paso Mining and Milling Company the fault contact of the diorite with the phyllites of unit 4 is exposed as a 30 cm wide fault gouge zone (Figure 4). The contact relationship of the diorite stock to the remainder of unit 4 is not exposed. Little (1957) has suggested that the emplacement of the plutonic rocks in the area of the subject property has been partly syn- and post-tectonic and may have participated in the late stages of regional deformation. The relationship of the dioritic stocks to regional mineralization is unknown (Bayrock, 1985).

Structurally, the area has undergone a period of cleavage formation and fold development. Throughout the subject property the cleavage is strongly developed in the fine grained argillites and only weakly developed in the more competent lithologies. The cleavage in the argillites may be classified as a continuous cleavage while that in the more competent rocks is a spaced pressure solution type cleavage (Borradaile et al., 1982).

A small scale, east-west oriented syncline is formed in unit 3 on the Irene 3 claim (Figure 4). This suggests that folding in the area is parallel to the regional stratigraphic trend as outlined by Okulitch (1977).

All of the stratigraphic units on the subject property display joints. In some exposures it is evident that minor movement has occurred on the joint planes and

quartz filled extension fissures have developed. Lithological control on joint formation was important throughout the area and consequently the best developed joint sets occur within the more competent lithologies. A conjugate system of joints with azimuths of 020^0 and westerly dips of 30^0 to 50^0 and azimuths of 150^0 with east or west dips exist in the area. A less well developed non-systematic joint set of azimuth 100^0 and north or south dips is also found on the property."

4.0 PROPERTY GEOCHEMISTRY

4.1 Grid Emplacement

To enable detailed geological mapping and soil geochemistry, two grids were emplaced on the Irene 2, 3 and 5 claims during September, 1988 in an attempt to trace the possible source of the stream sediment anomalies discovered during the July 1988 program (Figure 7). The North Grid, on Irene 2 and 3, consists of a 1.0 kilometer east-west baseline with 8.8 line kilometers of north south crosslines spaced 100 meters apart. The South Grid, on Irene 5, consists of a 500 meter east-west baseline with 3.6 kilometers of north-south crosslines spaced 100 meters apart.

The grids were established using hip-chain and compass. Grid line distances were slope corrected where necessary and stations were flagged every 25 meters using flourescent orange flagging and white fiber-tags.

4.2 Sampling Technique

Soil samples were collected every 25 meters along crosslines on both North and South grids. In each case

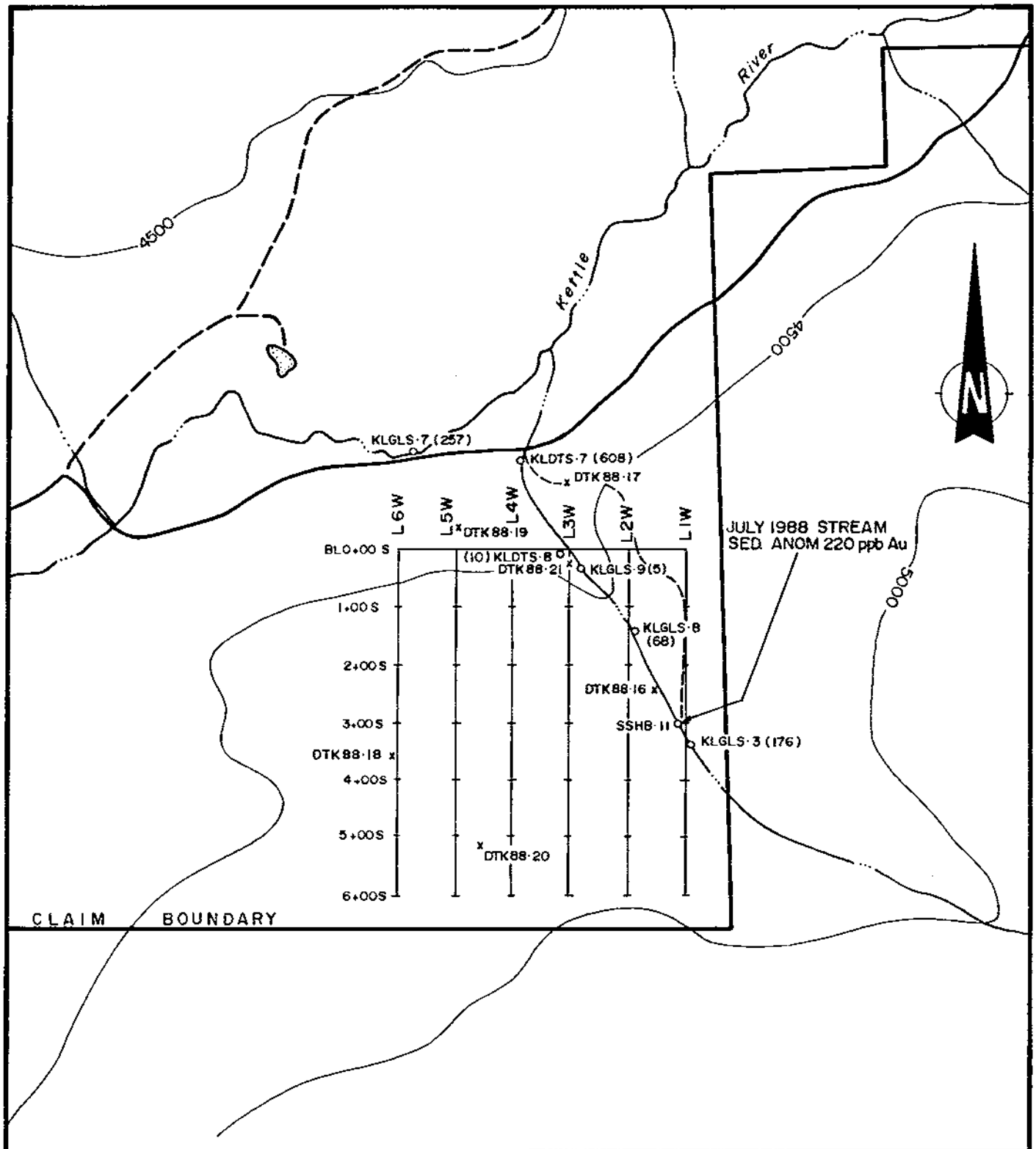
a sample of the upper "B" (enriched) horizon of the soil profile was collected.

Generally, soil quality was good, with impurities of less than ten percent rocks and organic material (see appendix). The upper "B" horizon was usually reached at a depth of less than 15 centimeters. Occasionally, the lack of soil in certain areas resulted in the collection of poor quality soil and in some cases no sample was collected. A total of 509 soil samples were collected.

Rock samples collected on the North Grid consisted generally of representative grab samples from outcrops of the different rock types encountered (Figure 5a). Occasional quartz veins and quartz rubble (float) along roads and streams were also sampled. On the South Grid, no outcrop was encountered and rock samples consisted of near-source float of quartz and green andesitic rock. Some quartz boulders along the main stream were also sampled (Figure 5b). No significant mineralization was discovered on either grid. Quartz material appeared barren. A total of 23 rock samples were collected during September, 1988.

Sediment from streams running through the North and South grids was sampled in detail, at intervals of 100 to 200 metres, both upstream and downstream from where the anomalous stream sediment samples were collected during the July, 1988 program (Collins, 1988). A total of 19 stream sediment samples were collected.

All samples were submitted to Min-En Laboratories Ltd., in North Vancouver, B.C. All samples were analyzed for gold using atomic absorption spectrophotometry and silver, lead, zinc, copper, nickel, arsenic and



LEGEND

- o stream sediment sample location
- x rock sample location

KLGLS-3 (176) sample i.d. (ppb Au)

0 100 200 500 METRES

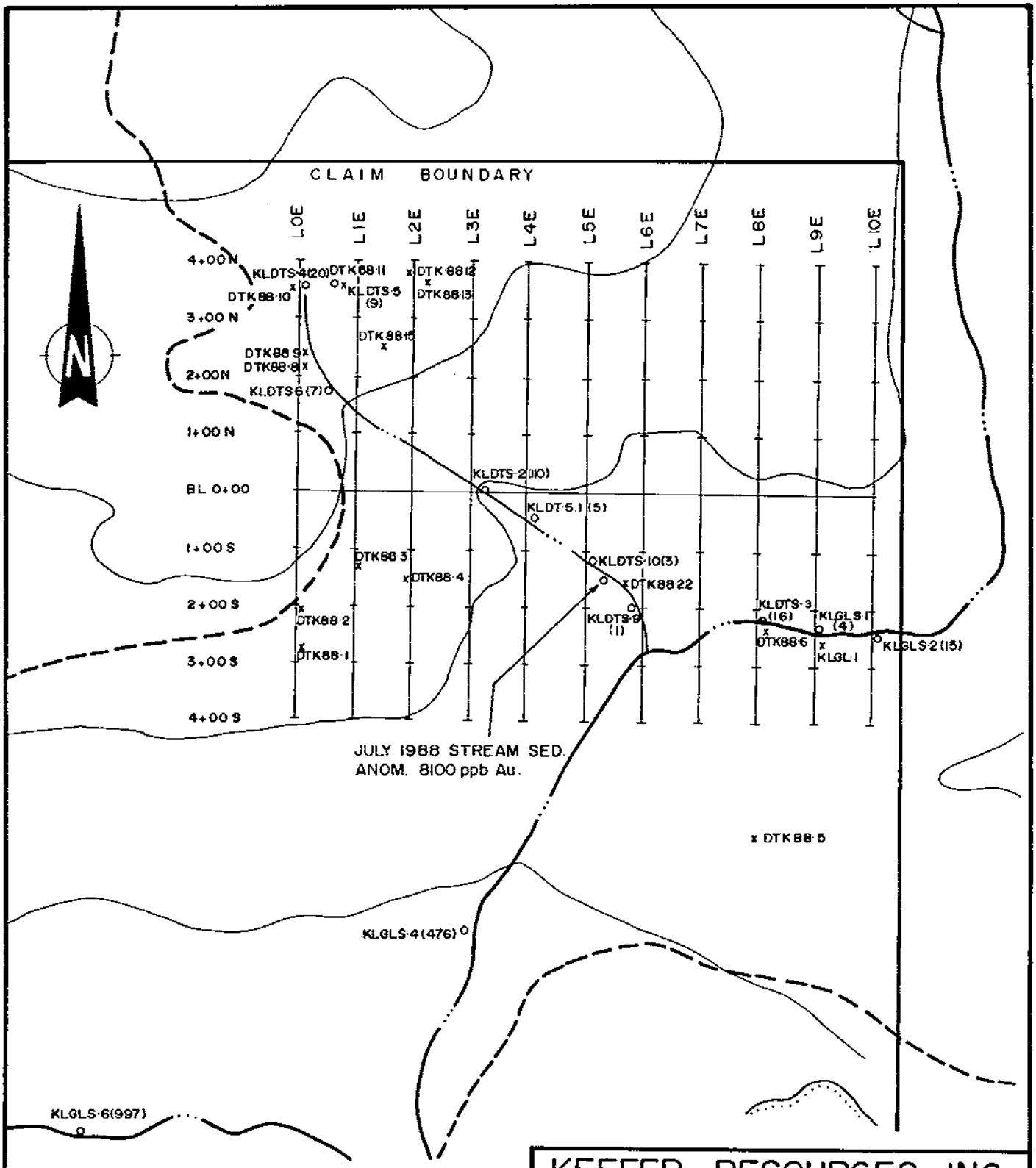
KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

South Grid

Au Geochemistry

IN-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1:10000	N.T.S.: 82 L/1	FIGURE No: 5a
	DWN. BY:	DATE: Dec. 1988	
	CHKD. BY:	PROJECT No: 88BC-020-b	FILE No:



LEGEND

o stream sediment sample location

x rock sample location

KLDTS-4 (20) sample i.d. (ppb Au)

0 100 200 500 METRES

KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

— North Grid —

Au Geochemistry

SCALE: 1:10000	N.T.S.: 82 L/1	FIGURE No: 5 b
DWN. BY:	DATE: Dec. 1988	
CHKD. BY:	PROJECT No: 888C-020-b	FILE No:

HI-TEC RESOURCE MANAGEMENT LTD.

antimony using ICP methods. Analytical procedures for Min-En Laboratories Ltd. are reported in Appendix III and all analytical data for the samples are given in Appendix IV.

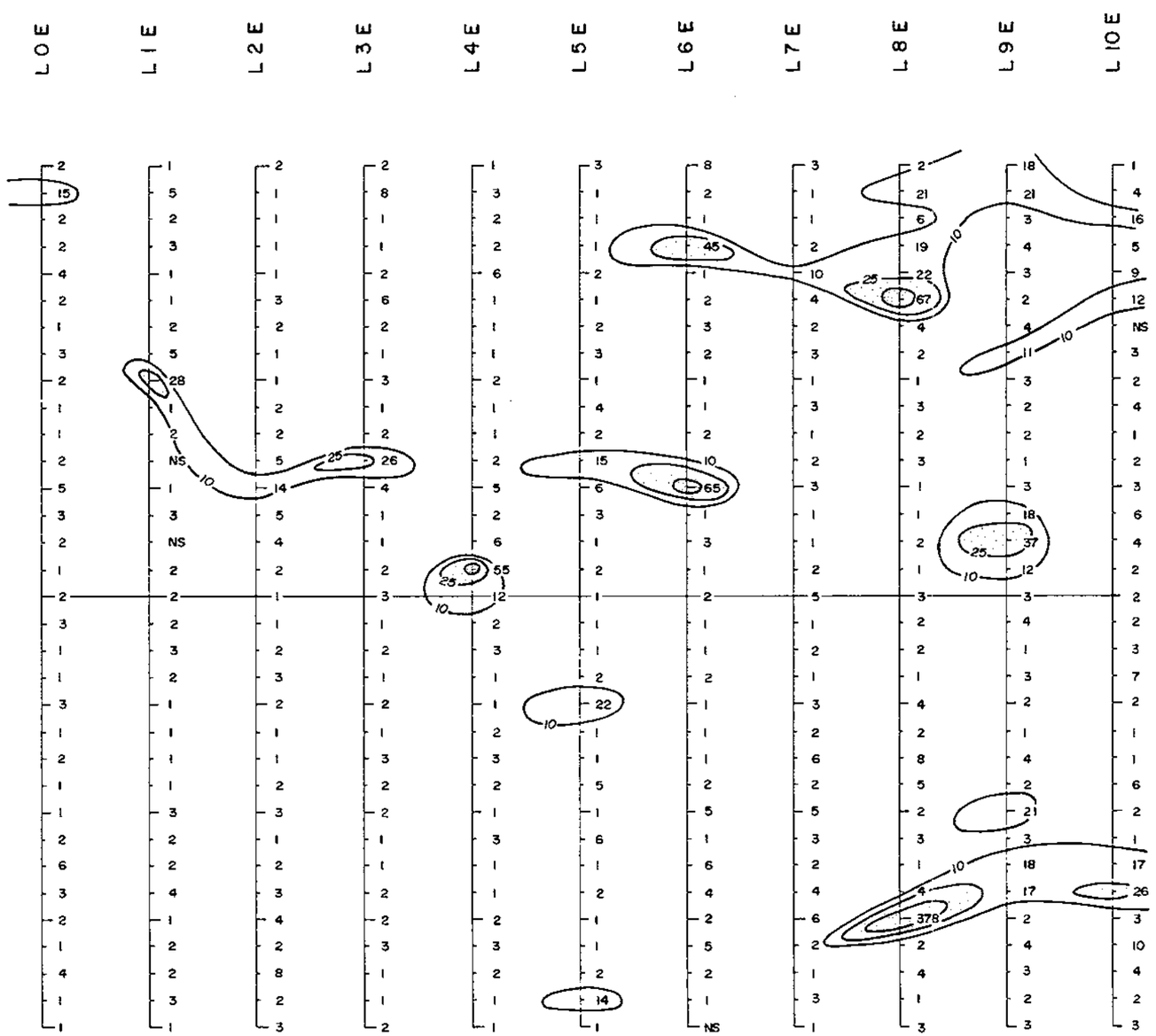
4.3 Results

4.3.1 Soil Samples

Results of the soil geochemical sampling were not encouraging, with very few anomalous gold values recorded. Spot highs on the North Grid included one sample containing 378 ppb Au and seven samples containing between 25 ppb Au and 70 ppb Au, from a total of 359 samples. On the South Grid, one sample contained 291 ppb Au and four samples contained between 25 ppb Au and 35 ppb Au, from a total of 150 samples.

From the soil sample descriptions (Appendix V), apparently the spot highs of 378 ppb Au and 291 ppb Au were from samples located near creeks and therefore containing mostly sand and silt. These results cannot be considered an accurate reflection of the mineral content of the underlying bedrock, since there exists the distinct possibility of sediment transport, the origin of such being unknown. The better quality soil, which was collected at most other sample locations and would more accurately reflect the mineral content of the underlying bedrock, was found to contain few anomalous gold values.

The geochemical values for gold and zinc showed the greatest diversity and were therefore plotted and contoured in an attempt to display any mineralization trends (Figure 6a, b, c, d). The gold geochemical values were generally low (< 5ppb Au) to trace and only



KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

- North Grid -

Au Geochemistry

MI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1:5000	N.T.S.: 82-L/1	FIGURE No: 6a
	DWN. BY:	DATE: Dec 1988	
	CHKD. BY:	PROJECT No: 88BC020b	FILE No:

L0E L1E L2E L3E L4E L5E L6E L7E L8E L9E L10E

4+00 N

3+00 N

2+00 N

1+00 N

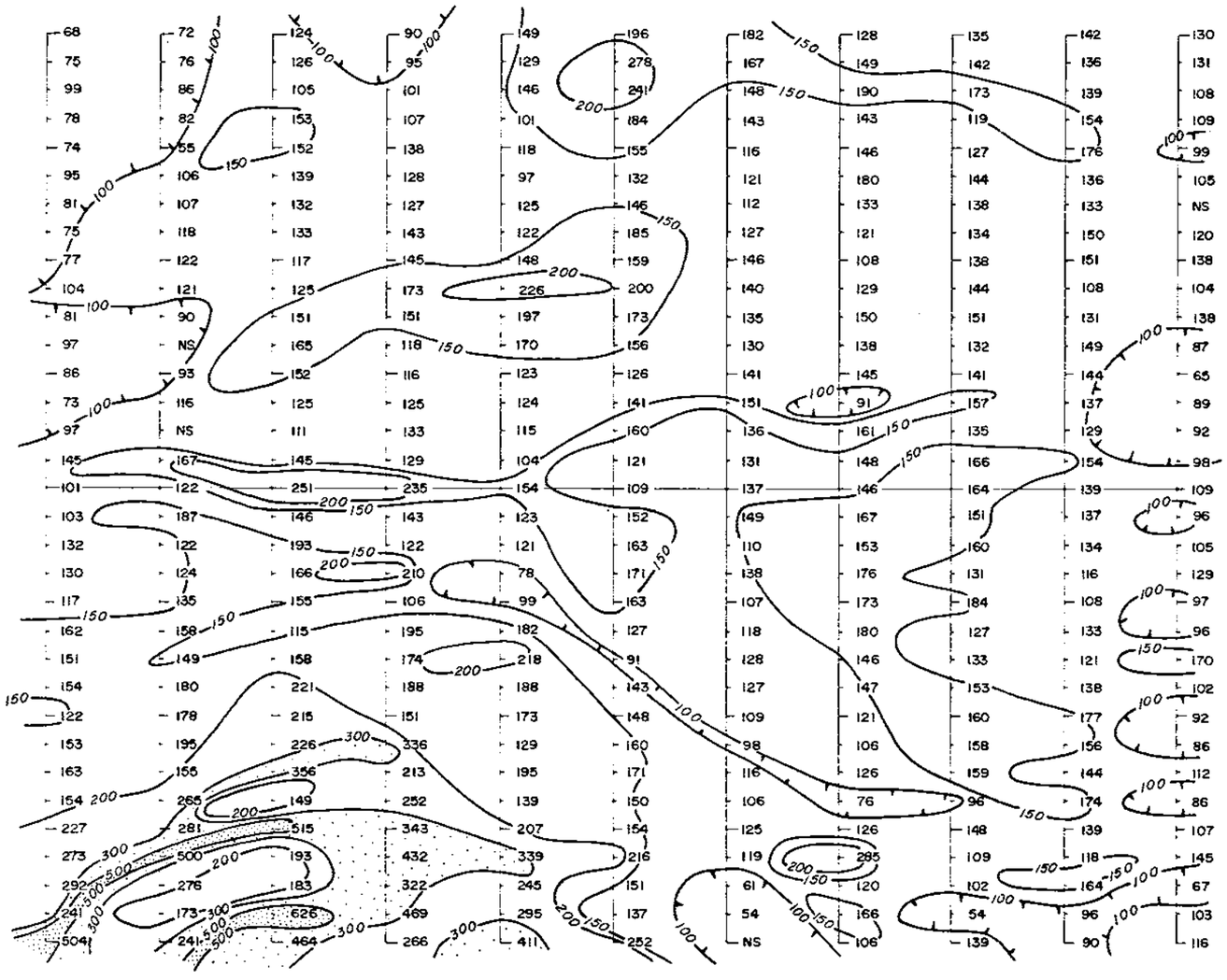
BL 0+00

1+00 S

2+00 S

3+00 S

4+00 S



Contour Intervals:

500 ppm Zn
300 ppm Zn
200 ppm Zn
150 ppm Zn
100 ppm Zn

0 50 100 200 300 METRES

KEEFER RESOURCES INC.

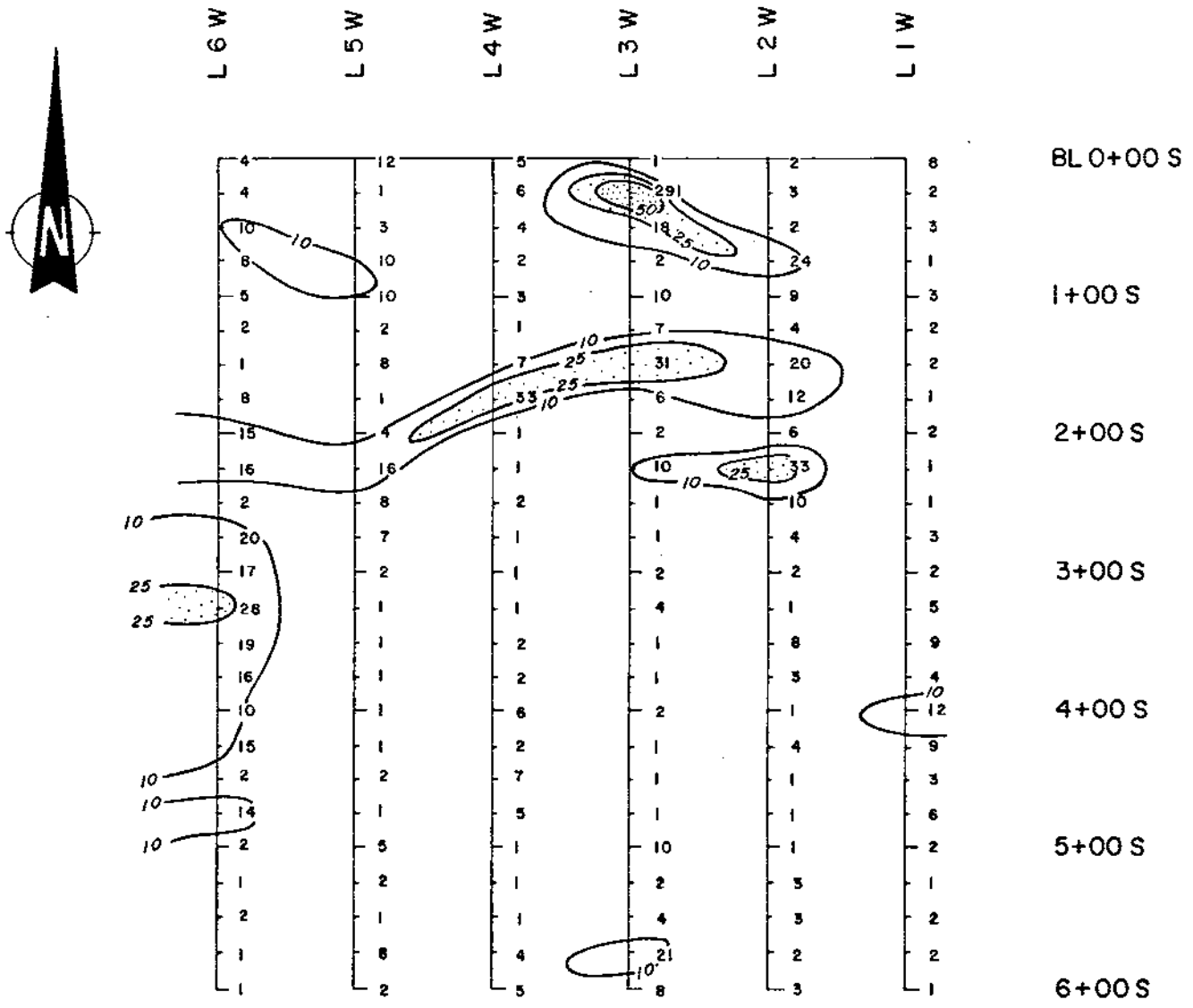
DONA & IRENE CLAIMS

- North Grid -

Zn Geochemistry

SCALE: 1:5000	N.T.S.: 82-L/1		FIGURE No: 6b
DWN. BY:	DATE: Dec 1988		
CHKD BY:	PROJECT No: 88BC020b		FILE No:

M-TEC RESOURCE MANAGEMENT LTD



Contour Intervals:

50 ppb Au

25 ppb Au

10 ppb Au

0 50 100 200 300 METRES

KEEFER RESOURCES INC.

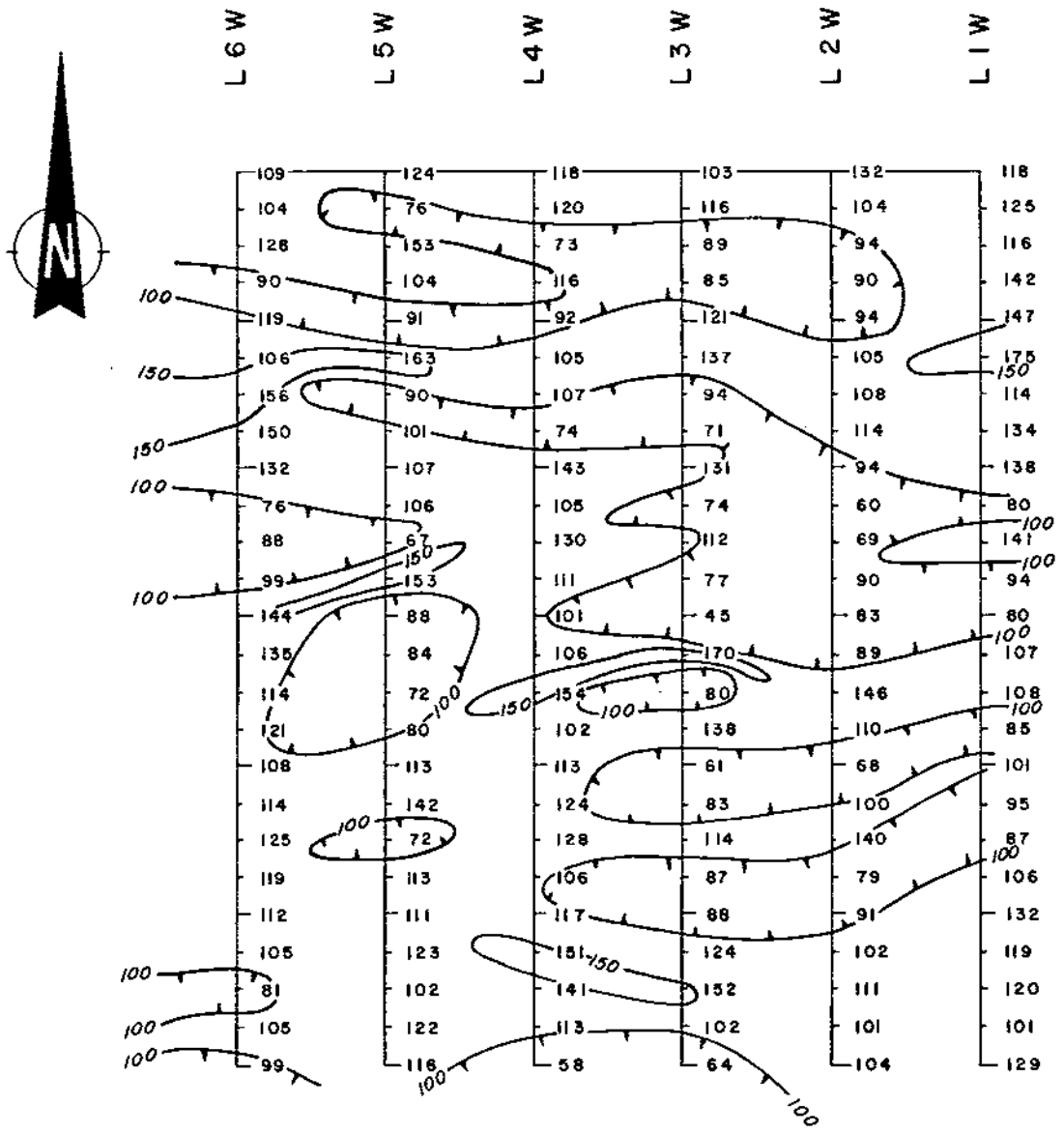
DONA & IRENE CLAIMS

- South Grid -

Au Geochemistry

IN-TEC RESOURCE MANAGEMENT LTD

SCALE: 1:5000	N.T.S.: 82-L/1	FIGURE No: 6c	
DWN. BY:	DATE: Dec 1988		
CHKD. BY:	PROJECT No: 888C020b	FILE No:	



Contour Intervals:

150 ppm

100 ppm

0 50 100 200 300 METRES

KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

- South Grid -

Zn Geochemistry

Hi-TEC RESOURCE MANAGEMENT LTD.

SCALE: 1:5000	N.T.S.: 82-L/1	FIGURE No: 6d
DWN. BY:	DATE: Dec 1988	
CHKD. BY:	PROJECT No: 88BC020b	FILE No:

very weak, limited trends are evident. The zinc values display some continuity and moderate to strong trends are evident, especially on the North Grid. the southwest corner shows a strong northeast trend of relatively high zinc values (up to 626 ppm Zn). The trends are approximately parallel to the strike of the bedding in the area and may reflect a difference in the composition of the layers.

The remaining minerals analyzed for (Ag, Pb, Cu, Ni, As, Sb) showed very low values with little diversity. These values were not plotted.

4.3.2 Rock Samples

The results of the rock sampling were discouraging. The highest value obtained for gold was 18 ppb Au. No other elements were anomalous in the rock samples collected.

4.3.3 Stream Sediment Samples

Several anomalous results were obtained from the stream sediment samples including gold assays of 997 ppb Au, 608 ppb Au, 476 ppb Au, 257 ppb Au, 176 ppb Au and 110 ppb Au. Several samples contained anomalous silver, with seven values greater than 2.0 ppm Ag, up to a high of 3.2 ppm Ag from a total of 19 samples. Arsenic values reached 174 ppm As and zinc values reached 374 ppm Zn. Values for the remaining elements analyzed were relatively low.

The results obtained from the samples collected on the North Grid failed to repeat or confirm the 8100 ppb Au value obtained during the July, 1988 program from a sediment sample collected in the same creek. One

possible explanation for this may be the lack of good silt encountered during the present program. On the South Grid, the stream sediment samples collected confirmed the presence of gold with values obtained ranging from 68 ppb Au to 608 ppb Au, with only one exception of 5 ppb Au.

Several sediment samples were collected along the Kettle River, within the claim group. All the samples contained anomalous gold values ranging from 54 ppb Au to 997 ppb Au.

5.0 CONCLUSIONS

The subject property is predominantly underlain by varieties of black intensely cleaved argillite and dark grey to grey siliceous phyllite. Intermixed felsic volcanics with argillaceous sediments and an intrusive diorite stock are evident in places within the Dona claims.

Although no outcrop was located on the Irene 5 claim (South Grid) surficial rubble indicates that the claim is underlain predominantly by intermediate volcanic flow rocks.

Exploration activities in September, 1988 on the Keefer Resources Inc. Dona and Irene claims included the establishment of two grids located on the Irene 2, 3, and 5 claims, the collection of 509 soil samples, 23 rock samples, and 19 stream sediment samples, and limited geological mapping. The North Grid, located on the south-facing slopes of the Irene 2 and 3 claims, consists of 9.8 kilometres of flagged line, and the South Grid, located on the north-facing slope of the

Irene 5 claim, consists of 4.1 kilometres of flagged line.

The purpose of the geochemical sampling program was to confirm the results obtained during the July, 1988 program and to trace a possible source for mineralization encountered in stream sediments.

Results from the soil sampling program were not encouraging, with only two spot highs of 291 ppb Au and 378 ppb Au recorded. These anomalies were from soil samples collected near creeks and contained mostly sediments from the creeks. The anomalous results are therefore not representative of the underlying bedrock. Analysis of the zinc content in the soil samples revealed a good diversity, with values of up to 626 ppm Zn recorded on the North Grid.

The rock samples collected returned no anomalous values in any of the seven elements analyzed for. The highest value obtained for gold was 18 ppb Au.

The stream sediment samples were the most encouraging with gold values of up to 997 ppb Au and several over 100 ppb Au. Samples collected in the vicinity of the 8100 ppb Au sample collected during the July, 1988 program were not reproduced with the highest value obtained being 110 ppb Au, approximately 200 metres upstream from the 8100 ppb Au sample. On the South Grid several samples were anomalous in gold downstream from a sample returning a value of 200 ppb Au during the July, 1988 program. Results from the current program, ranged from 68 ppb Au to 608 ppb Au.

The results of the geochemical survey indicate a low potential for the underlying bedrock in the areas of

the North and South Grids to host significant precious and base metal mineralization. The soil and rock samples collected on the Irene 2, 3 and 5 claims returned few anomalous values in any of the elements analyzed for. The soil quality was generally excellent and therefore the results should be considered a good reflection of the mineral content of the underlying bedrock. It is probable that the combination of anomalous stream sediment results and non-anomalous soil and rock sample results is an indication that the source for gold mineralization lies outside of the Irene claims.

6.0 RECOMMENDATIONS

Based on the results of the geochemical survey conducted on the property during September, 1988, it would appear that the source of the anomalous silt samples do not lie within the gridded areas on the Irene 2, 3, and 5 claims. It is recommended that the ground to the south of the Irene 5 claim and to the north of the Irene 2 claim be obtained in an attempt to further trace the possible source of the gold mineralization discovered in several of the stream sediment samples.

Collins (1988) has recommended a detailed drill assessment of the primary anomaly on the Dona claims and agrees with Smith's (1986) recommendation for the use of HZ diameter diamond drill core to improve recovery. Collins also recommends the use of GZ core to a limited extent to define the geometry of the mineralization, with the use of reverse circulation drilling to define the grade characteristics of the deposit. The reverse circulation drilling would be used for more cost-efficient fill-in holes.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD.

per J Thompson M.Sc. F.G.A.C.

David A. Thompson, B.Sc.,
Project Geologist

November, 1988

APPENDIX I

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APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

David A. Thompson, B.Sc.
Project Geologist

I, David A. Thompson of 105 - 875 Badke Road, Kelowna, British Columbia, do hereby certify:

1. I am a project geologist under the employment of Hi-Tec Resource Management Ltd. of 1500 - 609 Granville Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia, with a B.Sc., 1986, in Geological Sciences.

3. I have practised my profession, as a geologist, for four field seasons prior to and since my graduation as follows:

   1986 - 1987 Geologist, Homestake Mineral Development Company, Vancouver, British Columbia

   1987 - 1988 Project Geologist, Mascot Gold Mines Limited, Vancouver, British Columbia

4. I have not received, nor do I expect to receive, any interests, direct or indirect in the securities of Keefer Resources Inc.

5. That this report is based upon a geological mapping and geochemical sampling program conducted by myself during September, 1988.

Dated at Vancouver, B.C. this 9 day of December, 1988.

Dave Thompson

David A. Thompson, B.Sc.

APPENDIX III

Geochemical Preparation and Analytical Procedures

LABORATORY AND ANALYTICAL METHODS

After initial preparation, all samples were analyzed by the Inductively Coupled Plasma (ICP) method. Gold was determined by the fire assay and atomic absorption method.

After drying soil and stream sediment samples at 95°C, they were screened with an 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. A 40 mesh sieve was used for some of the silt samples. Rock samples were put through a jaw crusher and a ceramic-plotted pulverizer.

For ICP analyses, 1.0 gram of sample material was digested for 6 hours with a hot HNO_3 - $HClO_4$ mixture. After cooling, samples were diluted to a standard volume. The solutions were then analyzed by a computer-operated Jarrell Ash ICP Analyzer. Reports are formated by a route computer dotline printout.

For Au analyses, a suitable sample weight of 15 or 30 grams was fire assay preconcentrated. Samples were then digested with an Aqua Regia solution and then taken up to suitable volume by adding a 25% HCl solution. Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with methyl isobutyl ketone. Gold is analyzed by Atomic Absorption instruments using a suitable standard solution. The detection limit is 1 ppb.

APPENDIX IV

Geochemical Results for Soil, Rock and Stream Sediment Samples

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1
PROJECT NO: 888C0208 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1605S/P1+2
ATTENTION: D.THOMPSON | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:SEPTEMBER 30, 1988

(VALUES IN PPM)	AG	AS	CU	NI	PB	ZN	AU-PPB
L0E000S	1.9	23	12	15	29	101	2
L0E025S	1.7	13	23	18	25	103	3
L0E050S	1.9	19	19	19	25	132	1
L0E075S	1.6	22	25	18	25	130	1
L0E100S	1.6	17	24	20	26	117	3
L0E125S	1.3	16	32	21	20	162	1
L0E150S	1.3	10	29	22	26	151	2
L0E175S	1.3	15	18	19	25	154	1
L0E200S	1.6	18	21	19	26	122	1
L0E225S	1.7	19	27	23	29	153	2
L0E250S	1.1	9	25	22	30	163	6
L0E275S	1.7	10	34	26	28	154	3
L0E300S	2.6	12	112	37	45	227	2
L0E325S	2.1	16	33	26	28	273	1
L0E350S	.9	7	19	28	34	292	4
L0E375S	1.1	10	27	27	34	241	1
L0E400S	1.2	19	30	49	35	504	1
L1E000S	1.1	29	12	20	30	122	2
L1E025S	1.9	21	47	25	25	187	2
L1E050S	1.2	27	24	21	23	122	3
L1E075S	1.3	20	28	21	19	124	2
L1E100S	1.4	20	21	20	23	135	1
L1E125S	1.6	15	19	22	29	158	1
L1E150S	1.5	28	29	19	22	149	1
L1E175S	2.2	17	35	26	26	180	1
L1E200S	2.2	14	30	28	30	178	3
L1E225S	2.3	19	41	32	30	195	2
L1E250S	1.4	14	29	26	32	155	2
L1E275S	1.1	7	32	29	36	265	4
L1E300S	1.2	16	46	40	32	281	1
L1E325S	1.3	29	26	42	42	500	2
L1E350S	1.5	16	38	32	24	276	2
L1E375S	1.5	19	15	23	31	173	3
L1E400S	1.4	1	31	28	37	241	1
L2E025S	1.5	17	23	19	23	146	1
L2E050S	1.3	1	28	25	31	193	2
L2E075S	1.5	13	59	36	30	166	3
L2E100S	1.3	10	40	27	30	155	2
L2E125S	1.1	16	26	20	20	115	1
L2E150S	1.1	21	30	26	25	158	1
L2E175S	1.4	12	29	28	26	221	2
L2E200S	1.3	16	32	28	21	215	3
L2E225S	1.0	11	43	34	29	226	1
L2E250S	.6	10	35	41	32	356	2
L2E275S	1.0	19	18	23	27	149	3
L2E300S	1.3	18	23	45	24	515	4
L2E325S	1.2	8	16	21	25	193	2
L2E350S	1.5	23	40	33	31	183	8
L2E375S	1.1	13	23	48	35	626	2
L2E400S	1.4	17	22	35	29	464	3
L3E025S	1.5	21	96	32	20	143	1
L3E050S	1.5	29	39	28	21	122	2
L3E075S	1.6	24	58	38	23	210	1
L3E100S	1.8	20	51	28	25	106	2
L3E125S	.9	12	32	26	32	195	1
L3E150S	1.3	12	36	27	34	174	3
L3E175S	.9	16	60	34	29	188	2
L3E200S	1.3	20	46	29	28	151	2
L3E225S	1.1	8	100	66	32	336	1
L3E250S	1.3	15	39	32	32	213	1

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1
PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1605S/P3+4
ATTENTION: D.THOMPSON | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:SEPTEMBER 30, 1988

(VALUES IN PPM)	AG	AS	CU	NI	PB	ZN	AU-PPB
L3E275S	1.1	4	17	24	31	252	2
L3E300S	1.4	20	59	44	35	343	2
L3E325S	.8	13	41	42	28	432	3
L3E350S	1.1	10	23	32	23	322	1
L3E375S	.9	18	15	47	35	469	1
L3E400S	1.3	16	31	40	25	266	2
L4E025S	1.0	12	22	17	32	123	2
L4E050S	1.1	5	28	19	25	121	3
L4E075S	1.3	15	32	18	30	78	1
L4E100S	1.1	20	27	21	29	99	1
L4E125S	.9	14	25	29	23	182	2
L4E150S	1.4	20	22	28	27	218	3
L4E175S	1.1	12	14	19	26	188	2
L4E200S	.8	12	35	27	26	173	1
L4E225S	.8	11	51	29	26	129	3
L4E250S	1.0	8	41	29	25	195	1
L4E275S	.8	20	28	23	25	139	1
L4E300S	.8	18	36	27	27	207	2
L4E325S	1.1	12	27	49	20	339	3
L4E350S	1.1	16	52	37	28	245	2
L4E375S	1.4	18	46	43	28	295	1
L4E400S	1.2	11	38	38	27	411	1
L0E025N	1.3	18	14	18	24	145	1
L0E050N	1.0	10	16	16	24	97	2
L0E075N	1.2	11	17	12	21	73	3
L0E100N	1.2	22	12	13	24	86	5
L0E125N	1.2	22	18	16	24	97	2
L0E150N	1.0	23	15	14	25	81	1
L0E175N	1.2	22	18	18	27	104	1
L0E200N	1.1	22	27	22	29	77	2
L0E225N	1.0	23	81	23	13	75	3
L0E250N	.6	19	36	17	13	81	1
L0E275N	1.0	27	26	12	13	95	2
L0E300N	.9	27	25	17	11	74	4
L0E325N	.8	1	24	14	14	78	2
L0E350N	.7	1	56	20	19	99	2
L0E375N	1.0	1	14	10	8	75	15
L0E400N	.9	1	21	11	12	68	2
L1E025N	.7	22	22	19	14	167	2
L1E075N	1.0	7	56	32	14	116	3
L1E100N	1.0	30	42	20	11	93	1
L1E150N	.8	20	62	21	22	90	2
L1E175N	.3	31	50	22	20	121	1
L1E200N	.3	39	70	25	19	122	28
L1E225N	.7	2	49	20	20	118	5
L1E250N	.6	33	47	22	20	107	2
L1E275N	.7	29	38	16	23	106	1
L1E300NROCK	1.3	1	25	8	15	55	1
L1E325N	1.1	23	14	9	15	82	3
L1E350N	1.1	1	17	14	14	86	2
L1E375N	1.0	28	29	15	12	76	5
L1E400N	.9	28	25	11	17	72	1
L2E000N	1.0	35	50	38	18	251	1
L2E025N	.9	3	27	24	13	145	2
L2E050N	1.0	1	66	18	15	111	4
L2E075N	.4	1	98	31	16	125	5
L2E100N	.4	24	70	37	25	152	14
L2E125N	.2	17	112	65	25	165	5
L2E150N	.3	28	99	63	21	151	2

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: B88C020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1605S/P5+6

ATTENTION: D.THOMPSON | (604)980-5814 OR (604)988-4524 # TYPE SOIL GEOCHEM # | DATE:SEPTEMBER 30, 1988

(VALUES IN PPM)	AG	AS	CU	NI	PB	ZN	AU-PPB
L2E175N	.8	27	77	58	36	125	2
L2E200N	1.1	23	47	28	25	117	1
L2E225N	.9	25	55	35	33	133	1
L2E250N	.9	23	50	34	29	132	2
L2E275N	.8	28	56	43	35	139	3
L2E300N	1.3	16	52	34	23	152	1
L2E325N	1.1	26	54	34	32	153	1
L2E350N	1.1	21	36	26	27	105	1
L2E375N	1.3	50	61	32	31	126	1
L2E400N	1.1	48	41	29	26	124	2
L3E000N	1.6	39	40	34	36	235	3
L3E025N	1.0	17	37	20	33	129	2
L3E050N	1.0	9	17	18	27	133	1
L3E075N	1.1	19	34	24	24	125	1
L3E100N	.7	17	36	24	25	116	4
L3E125N	.8	20	59	34	31	118	26
L3E150N	.9	21	53	35	30	151	2
L3E175N	.8	23	66	42	27	173	1
L3E200N	1.0	30	43	30	32	145	3
L3E225N	.8	25	37	27	31	143	1
L3E250N	1.0	21	32	24	29	127	2
L3E275N	.8	25	48	30	32	128	6
L3E300N	.8	33	76	40	34	138	2
L3E325N	1.1	14	41	23	25	107	1
L3E350N	1.0	21	32	23	28	101	1
L3E375N	1.1	19	27	19	25	95	8
L3E400N	1.2	20	31	16	24	90	2
L4E000N	.7	27	73	34	31	154	12
L4E025N	.7	18	20	17	26	104	55
L4E050N	.7	16	23	22	25	115	6
L4E075N	1.1	25	32	22	31	124	2
L4E100N	.8	24	43	29	31	123	5
L4E125N	.8	32	75	39	30	170	2
L4E150N	.7	24	57	45	29	197	1
L4E175N	.8	23	47	54	28	226	1
L4E200N	1.0	19	35	31	31	148	2
L4E225N	1.1	12	16	19	24	122	1
L4E250N	1.2	32	31	29	30	125	1
L4E275N	1.2	25	20	19	25	97	1
L4E300N	1.0	17	36	25	28	118	6
L4E325N	1.1	22	56	26	29	101	2
L4E350N	.7	26	46	30	30	146	2
L4E375N	.7	33	46	24	22	129	3
L4E400N	.8	31	39	25	30	149	1

COMPANY: HI-TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:FIRE) PAGE 1 OF 1

PROJECT NO: BBBC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1642

ATTENTION: D.COLLINS/B.THOMPSON | (604)980-5814 OR (604)988-4524 | # TYPE SOIL GEOCHEM # | DATE:OCTOBER 5, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L8E000N	.7	42	33	19	4	164	3
L8E025N	1.2	43	39	11	3	166	1
L8E050N	.6	37	41	10	3	135	2
L8E075N	.6	1	38	14	4	157	1
L8E100N	.8	40	43	7	3	141	1
L8E125N	1.0	38	39	9	4	132	3
L8E150N	1.4	29	41	8	3	151	2
L8E175N	1.5	50	36	12	4	144	3
L8E200N	.8	1	47	11	4	138	1
L8E225N	.7	43	42	7	3	134	2
L8E250N	.9	33	56	17	3	138	4
L8E275N	1.1	101	81	11	3	144	67
L8E300N	.6	1	53	8	4	127	22
L8E325N	.8	34	42	11	3	119	19
L8E350N	.9	42	75	10	4	173	6
L8E375N	1.3	9	70	13	4	142	21
L8E400N	1.1	39	48	13	3	135	2
L9E000N	1.4	1	41	10	3	139	3
L9E025N	.8	43	42	11	3	154	12
L9E050N	.9	34	31	8	4	129	37
L9E075N	.5	30	43	12	3	137	18
L9E100N	1.1	8	75	11	4	144	3
L9E125N	1.2	35	41	8	3	149	1
L9E150N	1.1	3	33	14	3	131	2
L9E175N	1.0	3	35	6	3	108	2
L9E200N	.9	1	37	14	4	151	3
L9E225N	.8	39	40	14	4	150	11
L9E250N	.6	44	34	14	3	133	4
L9E275N	.8	1	46	12	3	136	2
L9E300N	1.0	43	48	12	3	176	3
L9E325N	2.0	40	41	25	3	154	4
L9E350N	1.6	4	41	23	4	139	3
L9E375N	1.2	31	56	17	4	136	21
L9E400N	.8	1	44	14	4	142	18
L9E025S	.8	42	47	15	3	137	4
L9E050S	1.0	37	50	15	4	134	1
L9E075S	1.1	40	36	9	3	116	3
L9E100S	.8	5	32	3	3	108	2
L9E125S	.7	14	57	18	4	133	1
L9E150S	.8	3	49	23	3	121	4
L9E175S	1.2	41	36	12	3	138	2
L9E200S	1.5	40	52	12	3	177	21
L9E225S	2.2	39	69	8	3	156	3
L9E250S	1.6	43	67	21	4	144	18
L9E275S	1.2	47	62	10	3	174	17
L9E300S	1.6	14	62	18	3	139	2
L9E325S	1.0	13	46	23	4	118	4
L9E350S	1.1	27	83	13	3	164	3
L9E375S	.8	1	39	11	3	96	2
L9E400S	1.2	48	48	7	3	90	3

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1704/P1+2

ATTENTION: D.THOMPSON | (604)980-5814 OR (604)988-4524 # TYPE SOIL GEOCHEM # | DATE:OCTOBER 12, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L1W0+00S	.6	24	25	20	2	118	8
L1W0+25S	1.0	27	68	24	3	125	2
L1W0+50S	.8	35	11	15	2	116	3
L1W0+75S	.9	36	22	21	3	142	1
L1W1+00S	1.1	39	38	32	3	147	3
L1W1+25S	.9	32	41	27	3	175	2
L1W1+50S	.9	46	26	19	3	114	2
L1W1+75S	.9	37	14	22	2	134	1
L1W2+00S	1.1	39	21	22	3	138	2
L1W2+25S	.8	19	12	14	2	80	1
L1W2+50S	1.0	39	46	27	3	141	1
L1W2+75S	1.1	35	11	15	3	94	3
L1W3+00S	1.0	31	10	14	2	80	2
L1W3+25S	.8	39	13	17	2	107	5
L1W3+50S	.8	33	26	19	2	108	9
L1W3+75S	1.0	29	12	10	2	85	4
L1W4+00S	.8	28	13	17	2	101	12
L1W4+25S	.8	26	18	16	2	95	9
L1W4+50S	.7	21	13	10	2	87	3
L1W4+75S	.9	43	17	18	3	106	6
L1W5+00S	.7	24	21	16	2	132	2
L1W5+25S	1.0	31	25	18	2	119	1
L1W5+50S	.9	35	28	25	2	120	2
L1W5+75S	.9	28	14	19	2	101	2
L1W6+00S	1.0	31	15	18	2	129	1
L2W0+00S	1.1	40	48	28	3	132	2
L2W0+25S	.9	26	12	20	2	104	3
L2W0+50S	.6	28	22	16	2	94	2
L2W0+75S	.6	42	25	15	2	90	24
L2W1+00S	1.0	38	14	15	2	94	9
L2W1+25S	1.1	36	20	20	2	105	4
L2W1+50S	.9	60	27	21	2	108	20
L2W1+75S	1.2	66	26	18	2	114	12
L2W2+00S	1.0	70	25	13	2	94	6
L2W2+25S	1.0	27	10	13	2	60	33
L2W2+50S	1.3	42	21	17	3	69	10
L2W2+75S	1.1	19	12	14	2	90	4
L2W3+00S	.8	37	12	16	3	83	2
L2W3+25S	1.0	26	11	17	3	89	1
L2W3+50S	1.0	28	23	21	2	146	8
L2W3+75S	.9	24	35	14	3	110	3
L2W4+00S	.9	19	10	8	2	68	1
L2W4+25S	.8	22	14	13	2	100	4
L2W4+50S	.7	16	13	20	2	140	1
L2W4+75S	.9	30	12	8	2	79	1
L2W5+00S	.9	21	10	10	2	91	1
L2W5+25S	1.1	26	11	16	2	102	3
L2W5+50S	.8	25	13	16	2	111	3
L2W5+75S	1.1	20	10	13	2	101	2
L2W6+00S	.9	37	11	19	2	104	3
L3W0+00S	1.1	70	18	17	2	103	1
L3W0+25S	1.1	102	38	14	2	116	291
L3W0+50S	1.0	68	30	10	2	89	18
L3W0+75S	.8	61	10	11	2	85	2
L3W1+00S	1.1	97	49	22	3	121	10
L3W1+25S	1.1	82	42	19	3	137	7
L3W1+50S	.9	58	19	19	2	94	31
L3W1+75S	.9	25	17	11	2	71	6
L3W2+00S	1.5	39	58	32	3	131	2
L3W2+25S	1.2	36	31	21	2	74	10

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1704/P3+4

ATTENTION: D.THOMPSON | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:OCTOBER 12, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L3W2+50S	1.3	23	12	19	3	112	1
L3W2+75S	1.0	23	13	30	3	77	1
L3W3+00S	.9	13	16	10	2	45	2
L3W3+25S	1.1	30	11	19	2	170	4
L3W3+50S	1.1	25	11	16	3	80	1
L3W3+75S	.9	30	13	20	2	138	1
L3W4+00S	1.1	21	12	16	2	61	2
L3W4+25S	1.1	26	10	16	3	83	1
L3W4+50S	1.0	33	11	16	3	114	1
L3W4+75S	.8	24	12	15	2	87	1
L3W5+00S	1.0	27	13	11	2	88	10
L3W5+25S	1.0	41	10	13	2	124	2
L3W5+50S	1.1	27	10	19	2	152	4
L3W5+75S	.8	25	17	16	2	102	21
L3W6+00S	1.1	9	12	11	2	64	8
L4W0+00S	.9	42	12	13	2	118	5
L4W0+25S	1.1	28	12	9	2	120	6
L4W0+50S	1.2	37	11	18	3	73	4
L4W0+75S	1.2	26	11	22	2	116	2
L4W1+00S	1.2	16	12	11	2	92	3
L4W1+25S	1.1	30	12	13	2	105	1
L4W1+50S	1.0	20	11	12	2	107	7
L4W1+75S	1.1	25	12	14	2	74	33
L4W2+00S	1.0	40	11	15	3	143	1
L4W2+25S	1.0	31	12	17	3	105	1
L4W2+50S	.9	28	11	11	2	130	2
L4W2+75S	1.1	29	13	23	2	111	1
L4W3+00S	1.3	32	11	25	3	101	1
L4W3+25S	.9	20	12	15	2	106	1
L4W3+50S	1.0	46	14	21	3	154	2
L4W3+75S	.9	23	10	13	2	102	2
L4W4+00S	.6	18	13	14	2	113	6
L4W4+25S	.9	24	11	13	2	124	2
L4W4+50S	1.2	42	14	22	4	128	7
L4W4+75S	2.2	29	17	16	2	106	5
L4W5+00S	.8	36	13	22	2	117	1
L4W5+25S	1.1	31	23	20	3	151	1
L4W5+50S	.9	38	15	15	3	141	1
L4W5+75S	1.0	33	11	10	3	113	4
L4W6+00S	.9	8	11	12	2	58	5
L5W0+00S	.9	29	11	20	2	124	12
L5W0+25S	.9	17	12	15	2	76	1
L5W0+50S	.8	40	12	21	3	153	3
L5W0+75S	1.0	29	15	17	2	104	10
L5W1+00S	1.1	43	15	16	3	91	10
L5W1+25S	.9	30	41	25	3	163	2
L5W1+50S	1.3	34	42	15	3	90	8
L5W1+75S	.9	28	10	12	2	101	1
L5W2+00S	.7	25	14	10	2	107	4
L5W2+25S	1.8	47	13	20	3	106	16
L5W2+50S	1.2	29	12	16	3	67	8
L5W2+75S	.9	35	12	19	3	153	7
L5W3+00S	1.1	32	11	19	3	88	2
L5W3+25S	1.0	42	11	19	3	84	1
L5W3+50S	1.2	50	13	20	4	72	1
L5W3+75S	1.1	45	12	19	4	80	1
L5W4+00S	1.0	27	13	13	3	113	1
L5W4+25S	1.1	33	20	24	3	142	1
L5W4+50S	.9	32	12	20	3	72	2
L5W4+75S	1.2	36	21	19	3	113	1

COMPANY: HI-TEC RESOURCE MANAGEMENT LTD. MIN-EN LABS ICP REPORT (ACT:FIRE) PAGE 1 OF 1
PROJECT NO: 88BC020B 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1704/P5
ATTENTION: V.KURAN/SORBARA (604)980-5814 OR (604)988-4524 # TYPE SOIL GEOCHEM # DATE:OCTOBER 12, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L5W5+00S	1.0	32	10	15	4	111	5
L5W5+25S	.8	44	37	27	4	123	2
L5W5+50S	.8	35	5	22	5	102	1
L5W5+75S	.5	26	13	15	4	122	8
L5W6+00S	2.4	46	19	24	6	116	2
L6W0+00S	1.0	25	16	17	4	109	4
L6W0+25S	.4	31	24	19	4	104	4
L6W0+50S	.4	31	9	18	4	128	10
L6W0+75S	1.6	49	10	18	5	90	8
L6W1+00S	.8	20	24	14	4	119	5
L6W1+25S	1.0	45	13	21	5	106	2
L6W1+50S	.6	30	16	16	5	156	1
L6W1+75S	2.2	32	14	23	5	150	8
L6W2+00S	1.2	34	23	17	5	132	15
L6W2+25S	1.8	56	8	28	5	76	16
L6W2+50S	1.4	40	12	20	5	88	2
L6W2+75S	.6	48	18	28	6	99	20
L6W3+00S	1.6	41	20	32	6	144	17
L6W3+25S	2.2	61	43	30	6	135	28
L6W3+50S	.4	16	23	13	4	114	19
L6W3+75S	1.0	56	44	15	6	121	16
L6W4+00S	1.2	33	31	23	4	108	10
L6W4+25S	1.6	44	34	24	5	114	15
L6W4+50S	2.0	43	56	31	5	125	2
L6W4+75S	.8	31	35	26	4	119	14
L6W5+00S	.8	44	34	27	4	112	2
L6W5+25S	.8	46	10	28	5	105	1
L6W5+50S	1.2	42	4	18	5	81	2
L6W5+75S	1.2	47	11	24	5	105	1
L6W6+00S	.8	30	7	20	4	99	1

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1
PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1932/P1+2
ATTENTION: D.COLLINS/D.THOMPSON | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:OCTOBER 31, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L5E0+25N	.9	3	21	10	1	121	2
L5E0+50N	1.1	20	17	8	2	160	1
L5E0+75N	1.2	10	19	6	1	141	3
L5E1+00N	1.1	17	23	10	1	126	6
L5E1+25N	.7	20	36	9	1	156	15
L5E1+50N	.7	23	36	18	7	173	2
L5E1+75N	1.3	23	35	16	2	200	4
L5E2+00N	.7	23	62	11	2	159	1
L5E2+25N	.4	14	40	23	6	185	3
L5E2+50N	.5	9	45	14	1	146	2
L5E2+75N	.7	17	39	17	2	132	1
L5E3+00N	.3	13	55	11	7	155	2
L5E3+25N	.4	27	48	10	3	184	1
L5E3+50N	.7	14	45	19	7	241	1
L5E3+75N	.5	32	28	24	6	278	1
L5E4+00N	1.3	27	35	19	3	196	3
L5E0+00S	1.1	17	32	10	2	109	1
L5E0+25S	.9	26	22	31	5	152	1
L5E0+50S	.3	1	20	16	2	143	1
L5E0+75S	.4	14	74	17	7	171	2
L5E1+00S	.5	21	29	11	5	163	22
L5E1+25S	1.1	29	33	20	2	127	1
L5E1+50S	.9	10	28	17	3	91	1
L5E1+75S	1.5	27	41	19	3	143	5
L5E2+00S	1.1	26	20	15	2	148	1
L5E2+25S	1.1	19	15	13	2	160	6
L5E2+50S	1.6	19	21	15	1	171	1
L5E2+75S	1.3	35	15	12	3	150	2
L5E3+00S	.8	12	15	11	4	154	1
L5E3+25S	1.0	16	32	19	1	216	1
L5E3+50S	1.3	11	46	15	2	151	2
L5E3+75S	1.3	14	44	14	1	137	14
L5E4+00S	1.1	10	135	16	1	252	1
L6E0+00N	1.3	17	31	10	1	137	2
L6E0+25N	1.5	26	29	15	2	131	1
L6E0+50N	.5	6	40	18	5	136	3
L6E0+75N	.5	8	32	16	4	151	1
L6E1+00N	.6	16	46	11	7	141	65
L6E1+25N	.4	6	63	24	5	130	10
L6E1+50N	.5	2	63	11	5	135	2
L6E1+75N	.5	24	32	16	1	140	1
L6E2+00N	.5	10	32	21	1	146	1
L6E2+25N	1.1	25	36	24	2	127	2
L6E2+50N	1.1	24	19	24	2	112	3
L6E2+75N	1.2	21	25	17	2	121	2
L6E3+00N	.9	1	45	22	2	116	1
L6E3+25N	.3	37	56	24	7	143	45
L6E3+50N	.9	20	23	22	1	148	1
L6E3+75N	.5	14	43	22	7	167	2
L6E4+00N	.4	20	43	25	7	182	8
L6E0+25S	1.0	15	28	39	6	149	1
L6E0+50S	.9	32	36	6	3	110	1
L6E0+75S	1.1	16	23	21	2	138	2
L6E1+00S	1.1	29	11	15	3	107	1
L6E1+25S	.6	6	16	17	4	118	1
L6E1+50S	1.1	9	27	16	6	128	1
L6E1+75S	1.1	15	20	22	1	127	2
L6E2+00S	1.1	22	51	16	2	109	5
L6E2+25S	1.1	21	39	25	1	98	1
L6E2+50S	1.2	24	57	6	2	116	6

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1932/F3+4

ATTENTION: D.COLLINS/D.THOMPSON | (604)980-5814 OR (604)988-4524 # TYPE SOIL GEOCHEM # | DATE:OCTOBER 31, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L6E2+75S	1.5	1	46	11	4	106	4
L6E3+00S	1.6	2	22	11	3	125	2
L6E3+25S	.6	1	51	15	3	119	5
L6E3+50S	2.1	22	13	8	4	61	2
L6E3+75S	2.2	20	16	11	3	54	1
L7E0+00N	1.5	1	29	13	4	146	5
L7E0+25N	1.1	27	32	17	2	148	2
L7E0+50N	1.1	29	25	18	1	161	1
L7E0+75N	1.1	1	70	11	2	91	1
L7E1+00N	.4	8	72	24	4	145	3
L7E1+25N	.5	18	65	9	7	158	2
L7E1+50N	.5	36	38	26	1	150	1
L7E1+75N	.5	34	45	22	5	129	3
L7E2+00N	1.0	43	88	12	1	108	1
L7E2+25N	.8	35	91	10	1	121	3
L7E2+50N	.5	31	57	18	1	133	2
L7E2+75N	1.2	36	65	16	1	190	4
L7E3+00N	1.4	1	49	18	5	146	10
L7E3+25N	1.1	32	36	12	4	143	2
L7E3+50N	1.1	37	39	16	2	190	1
L7E3+75N	.5	20	36	17	6	142	1
L7E4+00N	1.1	32	42	14	1	128	3
L7E0+25S	.8	16	22	20	6	167	1
L7E0+50S	.7	18	19	20	5	153	2
L7E0+75S	.6	31	64	15	2	175	1
L7E1+00S	.9	34	58	19	2	173	3
L7E1+25S	1.5	34	21	22	4	180	2
L7E1+50S	1.3	17	27	9	1	146	6
L7E1+75S	1.3	26	35	14	1	147	2
L7E2+00S	.9	34	17	8	1	121	5
L7E2+25S	.5	31	14	13	2	109	3
L7E2+50S	1.0	1	26	17	1	126	2
L7E2+75S	.3	5	24	16	4	76	4
L7E3+00S	.5	7	57	14	2	126	6
L7E3+25S	3.2	33	116	15	6	285	2
L7E3+50S	1.7	2	42	17	3	120	1
L7E3+75S	1.1	44	71	14	8	166	3
L7E4+00S	1.1	8	30	16	1	106	1
L8E0+25S	.2	30	28	12	6	151	2
L8E0+50S	.2	32	35	14	5	160	2
L8E0+75S	.1	1	34	12	1	131	1
L8E1+00S	.1	37	28	19	5	184	4
L8E1+25S	.9	31	60	15	1	127	2
L8E1+50S	.5	1	81	25	1	133	8
L8E1+75S	1.0	8	118	23	3	153	5
L8E2+00S	.7	3	117	22	6	160	2
L8E2+25S	.7	1	90	17	1	158	3
L8E2+50S	.7	42	69	20	8	159	1
L8E2+75S	1.2	1	35	15	1	96	4
L8E3+00S	.7	7	47	10	3	148	378
L8E3+25S	.4	6	35	13	3	109	2
L8E3+50S	1.0	3	33	14	4	102	4
L8E3+75S	1.4	3	13	14	2	54	1
L8E4+00S	.1	1	23	30	4	139	3
L10E0+00N	.5	45	23	14	1	109	2
L10E0+25N	1.0	1	14	15	1	98	2
L10E0+50N	.2	18	19	14	1	92	4
L10E0+75N	1.1	1	16	7	2	89	6
L10E1+00N	.9	11	8	12	4	65	3
L10E1+25N	1.4	52	15	5	5	87	2

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PROJECT NO: 88BC0208 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-1932/P5

ATTENTION: D.COLLINS/D.THOMPSON — (604)980-5814 OR (604)988-4524 — # TYPE SOIL GEOCHEM # — DATE:OCTOBER 31, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
L10E1+50N	.9	31	26	14	2	138	1
L10E1+75N	1.1	8	26	15	2	104	4
L10E2+00N	1.3	1	20	12	3	138	2
L10E2+25N	.5	38	15	20	6	120	3
L10E2+75N	.4	26	10	10	5	105	12
L10E3+00N	.5	1	24	9	1	99	9
L10E3+25N	.8	41	15	12	6	109	5
L10E3+50N	1.4	33	15	13	1	108	16
L10E3+75N	.5	31	16	17	5	131	4
L10E4+00N	.3	39	48	21	2	130	1
L10E0+25S	1.5	37	19	13	4	96	2
L10E0+50S	1.1	41	16	17	1	105	3
L10E0+75S	.8	30	12	13	5	129	7
L10E1+00S	.4	32	16	15	2	97	2
L10E1+25S	.4	27	13	23	5	96	1
L10E1+50S	.4	14	13	24	1	170	1
L10E1+75S	1.1	43	18	12	2	102	6
L10E2+00S	1.0	1	13	19	2	92	2
L10E2+25S	1.5	33	13	16	6	86	1
L10E2+50S	1.3	8	53	17	2	112	17
L10E2+75S	1.2	11	43	10	3	86	26
L10E3+00S	1.4	7	26	18	3	107	3
L10E3+25S	.4	38	195	33	3	145	10
L10E3+50S	1.7	18	23	16	1	67	4
L10E3+75S	1.3	3	18	16	2	103	2
L10E4+00S	.8	27	92	21	4	116	3

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88 BC 020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1704R

ATTENTION: D.THOMPSON/V.KURAN | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:OCTOBER 9, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
DKT8818	1.2	29	6	29	9	92	2
DKT8819	1.2	45	10	24	3	43	1
DKT8820	1.4	17	26	16	1	32	3
DKT8821	.9	27	15	8	1	98	2
DKT8822	1.6	34	10	12	3	11	2

COMPANY: HI-TEC RESOURCES — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC020R — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-1932R/P1

ATTENTION: D.COLLINS/D.THOMPSON — (604)980-5814 OR (604)988-4524 # TYPE ROCK GEOCHEM # — DATE:OCTOBER 31, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
DTK8801	1.0	25	25	22	3	38	1
DTK8802	1.0	45	17	17	5	70	3
DTK8803	1.5	17	49	23	3	53	2
DTK8804	.8	1	10	18	7	66	9
DTK8805	1.0	22	18	26	4	23	2
DTK8806	.3	13	23	9	1	71	2
DTK8807	.8	27	14	13	4	30	18
DTK8808	1.2	13	33	14	4	33	3
DTK8809	1.4	11	51	18	2	32	2
DTK8810	.9	3	44	9	1	59	6
DTK8811	1.0	19	33	13	2	59	3
DTK8812	.6	41	75	14	6	73	1
DTK8813	.8	44	47	16	7	92	2
DTK8814	.8	4	21	14	5	60	1
DTK8815	.8	1	27	8	1	65	2
DTK8816	1.0	35	15	11	5	24	1
DTK8817	1.0	37	16	14	5	29	2
KLGL01	.6	39	13	15	7	84	2

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC0208 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1704/P1

ATTENTION: D.THOMPSON/V.KURAN | (604)980-5814 OR (604)988-4524 | * TYPE HEAVY MINERAL * | DATE:OCTOBER 21, 1988

(PPM)	KL6LS8	KL6LS9	KL8TS9	KL8TS10
AG	2.7	1.9	3.2	2.5
AS	150	112	29	14
CU	60	22	74	58
PB	61	43	45	40
SB	6	6	7	6
ZN	374	206	262	232
AU-PPB	68	5	1	3
HMX	2.01	2.18	5.76	4.11

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 1 OF 1

PROJECT NO: 88BC020B | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: B-1932/P1

ATTENTION: D.COLLINS/D.THOMPSON | (604)980-5814 OR (604)988-4524 | # TYPE HEAVY MINERAL # | DATE:OCTOBER 31, 1988

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
KLDTS-1-40HM	1.0	12	31	31	1	95	5
KLDTS-2-40HM	2.4	14	42	36	1	103	110
KLDTS-3-40HM	1.4	33	74	30	2	278	16
KLDTS-4-40HM	2.2	43	32	28	8	63	20
KLDTS-5-40HM	2.2	174	40	41	8	111	9
KLDTS-6-40HM	1.2	3	22	26	4	87	7
KLDTS-7-40HM	1.4	125	44	30	5	178	608
KLDTS-8-40HM	1.8	136	53	51	4	192	110
KL6LS-1-40HM	1.2	31	63	26	4	162	4
KL6LS-2-40HM	1.2	36	61	39	3	169	15
KL6LS-3-40HM	1.4	83	63	44	1	205	176
KL6LS-4-40HM	1.4	1	69	32	1	185	476
KL6LS-5-40HM	1.8	66	30	33	1	151	54
KL6LS-6-40HM	2.2	63	57	34	5	163	997
KL6LS-7-40HM	1.8	38	42	26	1	138	257

APPENDIX V

Soil and Rock Sample Descriptions

Rock Sample Descriptions

Sample No.	Description
DTK 88 - 1	16 cm wide quartz stringer @ 180/40 (north-south strike, vertical dip) within black iron-stained brittle argillite.
DTK 88 - 2	Vuggy quartz vein float along road on North Grid with less than 1% pyrite.
DTK 88 - 3	Black, shaley mudstone, very weakly metamorphosed with up to 5% vuggy quartz stringers up to 1 mm, some strong iron-stain.
DTK 88 - 4	Light green felsic tuff, weakly vesicular with iron-stained fractured surfaces.
DTK 88 - 5	Abundant vuggy quartz boulders (float) along skid trail south of North Grid.
DTK 88 - 6	Black, fissile phyllite/argillite; trace pyrite.
DTK 88 - 7	Abundant quartz float, up to 50 cm diameter with chloritic partings.
DTK 88 - 8	Iron stained black argillite, no sulphides, minor calcite stringers.
DTK 88 - 9	Iron stained light grey granular tuff in contact with black, calcareous argillite.
DTK 88 - 10	Outcrop of hornblende feldspar porphyry breccia. Fragments are several centimetres in diameter within a finer grained weakly hornblende porphyritic matrix.
DTK 88 - 11	Hornblende feldspar porphyry breccia, as above, with abundant argillaceous clasts and occasional coarse biotite.
DTK 88 - 12	Similar to above breccia, likely a volcanic flow breccia, fewer fragments and finer grained matrix.
DTK 88 - 13	Black, fissile, iron stained argillite.

DTK 88 - 14	Light grey, fine grained sandy tuff; homogeneous texture.
DTK 88 - 15	Large outcrop of hornblende-feldspar-quartz porphyry, dacitic composition.
DTK 88 - 16	Iron stained quartz float in creek bed
DTK 88 - 17	Barren quartz float with chloritic partings.
DTK 88 - 18	Light green, fine grained andesite with traces of possible flow banding - abundant float on South Grid.
DTK 88 - 19	Abundant white, barren quartz float with chloritic partings.
DTK 88 - 20	Very strongly iron-stained biotite schist float with trace pyrite - erratic?
DTK 88 - 21	Quartz boulder in creek; barren, weak iron-stain.
DTK 88 - 22	Silicified felsic tuff float, with up to 10% desseminated pyrite and 3 cm quartz stringer found in creek bed on North Grid.
KLGL - 1	Fine to medium grained grey/green arenite with minor siliceous fragments and 1% disseminated pyrite.

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
LOE 4+00N	mod S-facing	good	dry	red / brn	
3+75N	" "	"	"	brn	
3+50N	steep "	"	wet	brn	rock from crk
3+25N	" "	"	dry	lt. brn	
3+00N	" "	"	"	red / brn	
2+75N	mod. "	"	"	red	
2+50N	" "	"	"	brn	
2+25N	" "	"	"	red	
2+00N	" "	"	"	"	
1+75N	" "	"	"	"	
1+50N	" "	"	"	"	
1+25N	" "	"	"	brn	near road
1+00N	level	"	"	brn	
0+75N	"	"	"	red	
0+50N	"	"	"	brn	
0+25N	"	"	"	red	
0+00	mod - E-facing	"	"	dk red / brn	
0+25S	" "	"	"	red	
0+50S	" "	"	"	brn	some rocks & org's
0+75S	" "	"	"	brn	
1+00S	" "	"	"	brn	
1+25S	" "	"	"	brn	
1+50S	mod. S-facing	"	"	red / brn	
1+75S	" "	"	"	brn	
2+00S	" "	"	"	brn	
2+25S	" "	"	"	brn	near road
2+50S	" "	"	"	brn	
2+75S	" "	"	"	brn	
3+00S	steep - "	"	"	brn	mixed rock on talus
3+25S	" "	"	"	brn	
3+50S	" "	fair	"	brn	lots of org's
3+75S	" "	good	"	brn	some orgs
4+00S	steep S-facing	"	"	red / br	org. frags
LIE 4+00N	mod. S-facing	good	"	brn	
3+75N	"	"	"	"	
3+50N	"	"	"	red / brn	
3+25N	"	"	"	red / brn	some rocks
3+00N	"	Poor	"	—	rock only
2+75N	steep - S-facing	Poor	"	red / brn	some rocks
2+50N	" "	Poor	"	red / brn	rocks
2+25N	" "	fair	"	brn	rocks
2+00N	" "	fair	"	red / brn	some rocks
1+75N	" "	good	"	dk brn	
1+50N	" "	good	wet	black	some rocks
1+25N	" "	— NO SOIL	—	—	— OUTCROP
1+00N	mod. S-facing	good	dry	red / brn	
0+75N	" "	"	"	red	
0+50N	" "	— NO SOIL	—	—	— OUTCROP
0+25N	" "	good	dry	red	
0+00	" "	good	"	brn	some org's
0+25S	" SE-facing	"	"	dk brn	
0+50S	" SE-facing	"	"	"	
0+75S	" SE-facing	"	"	brn	some org's
1+00S	" S-facing	"	"	"	" "
1+25S	" "	"	wet	dk brn	" "
1+50S	" "	"	dry	brn	some rocks
1+75S	" "	"	"	dk brn	" "

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L1E 2+00 S	mod. S-facing	good	dry	lt. brn	
2+25 S	" "	"	"	brn	some org's
2+50 S	" SE-facing	"	"	"	
2+75 S	" "	"	"	"	
3+00 S	" "	"	"	dk. brn	some org's
3+25 S	" "	"	"	"	
3+50 S	" S-facing	"	"	"	
3+75 S	" "	"	"	"	
4+00 S	steep S-facing	fair	"	brn	some orgs some rock's
L2E 4+00N	mod. S-facing	good	"	brn	
3+75 N	"	"	"	red/brn	
3+50 N	"	"	"	red/brn	
3+25 N	steep S-facing	"	"	red/brn	
3+00 N	"	"	"	"	
2+75 N	"	"	"	red	
2+50 N	"	"	"	"	
2+25 N	mod S-facing	"	"	red/brn	
2+00 N	"	"	"	"	
1+75 N	steep S-facing	"	"	"	
1+50 N	"	"	"	"	
1+25 N	"	"	"	"	
1+00 N	"	"	"	"	above crk
0+75 N	steep E-facing	"	"	"	
0+50 N	" "	fair	"	red	outcrop
0+25 N	" "	good	"	red	
0+00	mod. "	"	"	red/brn	
0+25 S	" "	"	"	dk brn	some rock & orgs
0+50 S	" "	"	"	brn	some rocks
0+75 S	" "	"	"	dk brn	organics
1+00 S	" "	"	"	brn	org's
1+25 S	steep SE-facing	"	"	brn	some rock & org's
1+50 S	" " "	"	"	brn	some " " "
1+75 S	" "	"	"	brn	some orgs
2+00 S	" "	"	"	brn	" "
2+25 S	" "	"	"	lt. brn	some rocks & org's
2+50 S	" "	"	"	dk. brn	" " "
2+75 S	" "	"	"	red/brn	organics
3+00 S	" "	"	"	red/brn	"
3+25 S	" "	"	"	brn	some rocks & orgs
3+50 S	" "	"	"	"	" " "
3+75 S	" "	fair	"	brn	rocks
4+00 S	mod. S-facing	good	"	"	
L3E 4+00N	Mod. S. facing	good	dry	brn	
3+75 N	" "	"	"	red/brn	
3+50 N	" "	"	"	brn	
3+25 N	" "	"	"	red/brn	
3+00 N	" "	"	"	red	
2+75 N	" "	"	"	red/brn	
2+50 N	" "	"	"	red/brn	
2+25 N	steep "	"	"	red/brn	
2+00 N	" "	"	"	red	
1+75 N	" "	"	"	red	
1+50 N	" "	"	"	red	
1+25 N	" "	"	"	red/brn	
1+00N	mod S-facing	"	"	red	

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L3E 0+75N	mod. S-facing	good	dry	red	
0+50N	" "	"	"	red/brn	
0+25N	steep "	"	"	red / brn	near crk
0+00	" E-facing	"	"	brn	
0+25S	" "	"	wet	dk. brn	organics
0+50S	" "	"	wet	dk. brn	"
0+75S	" "	"	dry	dk. brn	"
1+00S	mod. "	fair	"	lt. brn	rocks
1+25S	" SE-facing	good	"	red/brn	some rocks & org's
1+50S	" "	"	"	brn	" " "
1+75S	" "	"	"	dk brn	organics
2+00S	" E-facing	"	"	dk brn	
2+25S	CREEKBED → E	"	wet	blk	mud, trickle of water
2+50S	steep S-facing	"	"	dk. brn	minor organics
2+75S	" "	"	dry	red/brn	argillite flags
3+00S	" "	"	"	brn	" "
3+25S	mod. SE-facing	fair	"	grey/brn	" "
3+50S	" "	good	"	brn	some rocks & org's
3+75S	" "	"	"	brn	" " "
4+00S	" "	"	"	brn	few " "
L4E 4+00N	mod E-facing	"	"	lt. brn	
3+75N	med S-facing	"	"	"	
3+50N	" "	"	"	brn	
3+25N	steep SE-facing	"	"	lt. brn	
3+00N	" "	"	"	dk brn/red	
2+75N	mod S-facing	"	"	lt. brn	
2+50N	" "	"	"	lt red/brn	
2+25N	" "	"	"	"	
2+00N	" "	"	"	dk brn/red.	
1+75N	"	"	"	brn/red	
1+50N	"	"	"	"	
1+25N	steep S-facing	"	"	dk brn	
1+00N	" "	"	"	dk brn/red	
0+75N	" "	"	"	brn/red	
0+50N	mod. S-facing	"	"	brn/red	
0+25N	" "	"	"	lt brn/red	
0+00 BL	level	"	"	dk brn/red	
0+25S	mod. S-facing	fair	"	red/brn	rocks & organics
0+50S	steep E-facing	good	"	red/brn	some org's, crk @ 0+60S
0+75S	" "	"	"	dk brn	some org's
1+00S	" "	"	wet	dk red/brn	
1+25S	" NE-facing	"	dry	brn	some rocks
1+50S	gentle SE-facing	"	"	lt. brn	some rocks & org's
1+75S	" "	"	"	red/brn	" " "
2+00S	" "	fair	"	dk brn	rocks & org's
2+25S	" "	good	"	dk brn	some rocks & org's
2+50S	" "	"	"	dk brn	few " "
2+75S	" "	"	"	brn	" " "
3+00S	" "	"	"	brn	some org's
3+25S	" "	"	"	lt. brn	" "
3+50S	" "	"	"	brn	argillite frags
3+75S	mod. E-facing	"	"	brn	some org's
4+00S	"	"	"	brn	few rocks & org's

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L5E 4+00N	steep · S-facing	good	dry	lt. brn/red	
3+75N	" "	"	"	dk brn/red	
3+50N	" "	"	"	"	
3+25N	" "	"	dry	red/brn	
3+00N	" "	"	wet	dk brn	
2+75N	" SW-facing	"	dry	dk brn	above crk (8m)
2+50N	" S-facing	"	"	red/brn	crk 6m west
2+25N	mod. "	"	"	" "	
2+00N	steep E-facing	"	"	dk brn	
1+75N	mod. "	"	"	red/brn	
1+50N	" "	"	"	"	
1+25N	steep E-facing	"	"	"	
1+00N	mod. S-facing	"	"	lt. brn	
0+75N	mod. "	"	"	red/brn	
0+50N	" "	"	"	lt. brn	
0+25N	" "	"	"	red/brn	
0+00	" "	"	"	dk brn	few rocks
0+25S	" "	"	"	red/brn	some rocks & org's
0+50S	" "	"	"	dk brn	"
0+75S	" "	"	wet	dk brn	some org's
1+00S	" "	"	dry	dk brn	"
1+25S	level	"	wet	dk brn	
1+50S	creek → SE	fair	wet	blk	mud & gravel
1+75S	steep E-facing	good	dry	dk brn	some rocks & org's
2+00S	mod SE-facing	"	"	red/brn	some rocks
2+25S	" "	"	"	dk red	some rocks & org's
2+50S	gentle " "	"	"	"	argillite frag's
2+75S	" "	"	"	"	few rocks
3+00S	" "	"	"	red/brn	some org's
3+25S	" "	"	"	"	some rocks
3+50S	steep E-facing	"	"	"	few rocks & org's
3+75S	" "	"	"	lt. brn	some rocks
4+00S	" "	"	wet	dk brn	some rocks & org's
L6E 4+00N	mod. S-facing	"	dry	red/brn	
3+75N	" "	"	"	dk red/brn	
3+50N	" "	"	"	lt. brn	
3+25N	" "	"	"	red/brn	
3+00N	" "	"	"	"	
2+75N	" "	"	"	lt. brn	
2+50N	" "	"	"	lt. red/brn	
2+25N	steep "	"	"	brn	
2+00N	" "	"	"	dk red/brn	
1+75N	" "	"	"	brn	
1+50N	" "	"	"	red/brn	
1+25N	" "	fair	"	brn	very rocky
1+00N	" "	good	"	red/brn	
0+75N	" "	"	"	dk brn	
0+50N	" "	"	"	"	
0+25N	creek	"	WET	"	
0+00	steep E-facing	"	"	dk red/brn	
0+25S	" "	"	"	dk brn	some org's
0+50S	" "	"	"	red/brn	few rocks & org's
0+75S	" "	"	dry	red/brn	" " "
1+00S	gentle S-facing	"	wet	dk red/brn	
1+25S	" "	"	dry	lt. red/brn	few rocks & org's
1+50S	" "	"	wet	red/brn	" " "
1+75S	" "	"	wet	red/brn	some " "

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L6E 2+00 S	steep W-facing	good	dry	brn	some rocks & org's
2+25 S	" "	good	dry	"	some rocks
2+50 S	creek	fair	"	"	organics
2+75 S	mod. W-facing	fair	"	dk brn	rocks & org's
3+00 S	steep S-facing	fair	"	brn	sandy
3+25 S	level - creek	poor	wet	grey	sand & org's
3+50 S	steep, W-facing	good	"	red / brn	some rocks & org's
3+75 S	" "	good	"	"	" " "
4+00 S	" "	good	"	dk brn	" " "
L7E 4+00 N	mod. S-facing	good	dry	lt red/brn	
3+75 N	" "	"	"	"	
3+50 N	" "	"	"	"	
3+25 N	" "	"	"	lt. brn	
3+00 N	steep "	"	"	lt red	
2+75 N	" "	"	"	brn	
2+50 N	" "	"	"	dk brn	
2+25 N	" "	"	wet	"	10m E of crk
2+00 N	" SW-facing	"	dry	red/brn	
1+75 N	" W-facing	"	"	dk brn	
1+50 N	" SW-facing	poor	"	grey	all rock
1+25 N	" W-facing	good	"	red/brn	
1+00 N	" "	"	"	"	
0+75 N	" "	"	"	lt red/brn	
0+50 N	" "	"	"	red/brn	
0+25 N	mod. SW-facing	"	"	lt. brn	
0+00	" "	"	"	red/brn	
0+25 S	steep S-facing	"	"	dk brn	some rocks & org's
0+50 S	" "	"	"	dk brn	
0+75 S	mod. "	"	"	brn	some rocks & org's
1+00 S	" "	"	"	lt brn	some rocks
1+25 S	" "	"	"	red/brn	some org's
1+50 S	" "	"	wet	brn	some rocks & org's
1+75 S	" "	"	dry	lt. brn	" " "
2+00 S	small gully	"	wet	dk red/brn	" " "
2+25 S	mod. S-facing	"	dry	red/brn	" " "
2+50 S	" "	"	"	brn	" " "
2+75 S	steep "	poor	"	lt. grey/green	arg. lite / phyllite
3+00 S	" "	poor	"	grey/brn	" "
3+25 S	" NW-facing	poor	wet	brn mud	creek @ 3+20 S
3+50 S	" "	poor	"	muddy clay	rocks
3+75 S	" "	poor	"	"	"
4+00 S	mod. "	good	dry	brn	some rocks
L8E 4+00 N	mod. SE-facing	good	wet	dk brn	some rocks & org's
3+75 N	" "	"	"	"	"
3+50 N	" "	"	dry	"	"
3+25 N	" "	fair	"	lt brn	rocks & org's
3+00 N	steep S-facing	good	"	dk brn	" "
2+75 N	" "	"	"	red/brn	few rocks & orgs
2+50 N	" "	"	"	brn	some " "
2+25 N	" "	"	"	brn	" " "
2+00 N	level	"	"	dk red/brn	" " "
1+75 N	steep "	"	"	"	" " "
1+50 N	" "	"	wet	"	" " "
1+25 N	" "	"	dry	brn	" " "
1+00 N	" "	"	"	dk brn	organics
0+75 N	" "	"	"	brn	some rocks & org's

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L8E 0+50N	steep S-facing	good	wet	dk brn	rocks & org's
0+25 N	" "	"	"	"	"
0+00	" "	"	dry	brn	"
0+25 S	" "	"	"	"	"
0+50 S	" "	"	wet	dk brn	"
0+75 S	" "	"	dry	lt. brn	"
1+00 S	" "	"	wet	dk brn	some rocks & org's
1+25 S	" "	"	dry	dk brn	organics
1+50 S	gentle S-facing	"	wet	blk	
1+75 S	" "	fair	wet	grey	muddy clay
2+00 S	" "	good	"	blk	
2+25 S	" "	fair	"	grey	muddy clay
2+50 S	steep "	fair	"	dk brn	rocks
2+75 S	" "	fair	"	grey/brn	clay & rocks
3+00 S	creek	poor	"	lt grey	sand & gravel
3+25 S	" N-facing	good	dry	red/brn	some rocks & orgs
3+50 S	" "	fair	wet	dk brn	muddy rocks & org
3+75 S	" "	good	"	red/brn	
4+00 S	" "	fair	dry	lt. brn	rocks
L9E 4+00N	mod. E-facing	good	wet	red/brn	
3+75 N	" "	"	"	"	
3+50 N	" "	"	"	"	
3+25 N	" "	"	"	"	
3+00 N	" "	"	"	dk red/brn	
2+75 N	" "	"	"	"	
2+50 N	gentle "	"	"	lt. brn	
2+25 N	" "	"	"	dk red/brn	
2+00 N	" "	"	"	red/brn	organics
1+75 N	" "	"	"	"	
1+50 N	" "	"	"	"	
1+25 N	" S-facing	"	"	"	
1+00 N	" "	"	"	lt. brn	
0+75 N	" "	"	"	dk red/brn	
0+50 N	" "	"	"	red/brn	
0+25 N	" "	"	"	"	
0+00	" "	"	"	"	
0+25 S	mod. S-facing	"	"	"	
0+50 S	steep "	"	"	dk red/brn	
0+75 S	" "	"	"	lt red/brn	
1+00 S	mod "	"	"	lt brn	
1+25 S	" "	"	"	red/brn	
1+50 S	" "	"	"	lt. brn	
1+75 S	" "	"	"	red/brn	
2+00 S	" "	"	"	"	
2+25 S	" "	"	"	dk red/brn	
2+50 S	" "	"	"	red/brn	
2+75 S	" "	"	"	dk red/brn	
3+00 S	" "	"	"	"	
3+25 S	creek → west	poor	"	dk brn/grey	creek bed
3+50 S	steep N-facing	poor	"	grey/dk brn	sand
3+75 S	mod. "	good	"	dk red/brn	
4+00 S	" "	good	"		

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L 10E 4+00N	mod. E-facing	good	wet	lt. red/brn	
3+75N	" "	"	"	dk red/brn	
3+50N	" "	"	"	"	
3+25N	" "	"	"	"	
3+00N	" "	"	"	"	
2+75N	" "	"	"	"	
2+50N	" "	"	"	red/brn	
2+25N	" "	"	"	dk red/brn	
2+00N	" "	"	"	"	
1+75N	" "	"	"	"	
1+50N	" "	"	"	lt. brn	
1+25N	" "	"	"	"	
1+00N	" "	"	"	brn	
0+75N	" "	"	"	dk red/brn	
0+50N	" SE-facing	"	"	red/brn	
0+25N	" "	"	"	lt. red/brn	
0+00	" "	"	"	red/brn	
0+25S	gentle S-facing	"	"	lt. brn	
0+50S	" "	"	"	red/brn	
0+75S	steep "	"	"	"	
1+00S	" "	"	"	"	
1+25S	" "	fair	"	lt brn	organics
1+50S	" "	good	"	dk red/brn	
1+75S	" "	"	"	lt. brn	
2+00S	gentle "	"	"	brn/red	
2+25S	" "	"	"	dk red/brn	
2+50S	" "	"	"	brn	
2+75S	steep "	POOR	"	grey	Sandy
3+00S	" "	good	"	brn	creek @ 3+15S
3+25S	" N-facing	NO SOIL	—	grey/blk	All argillite
3+50S	" "	fair	"	grey/brn	
3+75S	level	good	"	dk brn	
4+00S	gentle N-facing	"	"	blk	
SOUTH GRID					
LIN 6+00S	mod. N-facing	good	dry	red/brn	
5+75S	" "	"	"	"	
5+50S	" "	fair	wet	brn/grey	rocks
5+25S	" "	good	"	dk brn	
5+00S	gentle "	"	"	blk	
4+75S	" "	"	"	blk/grey	
4+50S	" "	"	"	brn	
4+25S	" "	"	"	dk brn	
4+00S	level	"	"	"	mud
3+75S	level	"	"	lt. red/brn	
3+50S	level	"	"	dk brn	mud @ creek
3+25S	level	"	dry	dk red/brn	
3+00S	level	fair	"	grey/brn	rocks
2+75S	gentle N-facing	good	"	red/brn	
2+50S	" "	"	"	dk brn	
2+25S	" "	"	"	red/brn	organics
2+00S	" "	"	"	"	"
1+75S	" "	"	"	lt red/brn	"
1+50S	" "	"	"	red/brn	"
1+25S	" "	"	"	dk red/brn	"
1+00S	" "	"	"	brn	"

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L1W 0+75S	gentle N-facing	good	dry	dk red/brn	organics
0+50S	" "	"	"	red/brn	"
0+25S	" "	"	"	dk brn	"
BL 0+00S	" "	"	wet	black	abundant organics
L2W 6+00S	steep W-facing	good	dry	red/brn	
5+75S	" "	"	"	lt red/brn	
5+50S	" "	"	"	"	
5+25S	steep NW-facing	"	"	dk red/brn	
5+00S	" "	"	"	red/brn	
4+75S	" "	"	"	"	
4+50S	mod. "	"	"	brn	
4+25S	" "	"	"	dk brn	
4+00S	level	"	"	dk red/brn	
3+75S	gentle N-facing	"	wet	blk	
3+50S	level	"	dry	dk brn	
3+25S	"	"	wet	red/brn	
3+00S	"	"	dry	"	
2+75S	"	"	"	lt. red/brn	
2+50S	steep N-facing	"	"	red/brn	
2+25S	mod. "	"	"	"	
2+00S	level	fair	"	grey/brn	4m from crk
1+75S	mod. E-facing	good	"	dk brn	
1+50S	" "	fair	"	grey	
1+25S	gentle "	"	"	brn/grey	
1+00S	" "	"	"	"	
0+75S	" "	"	"	"	
0+50S	mod. W-facing	"	"	grey	clay
0+25S	gentle "	good	"	lt red/brn	
BL 0+00S	" "	"	"	dk brn	
L3W 6+00S	level	good	dry	red/brn	
5+75S	gentle N-facing	"	"	lt. brn	
5+50S	steep NW-facing	"	"	"	
5+25S	" "	"	"	red/brn	
5+00S	" "	"	"	"	
4+75S	" "	"	"	lt. brn	
4+50S	" "	"	"	red/brn	
4+25S	" "	"	"	"	
4+00S	" "	"	"	"	
3+75S	" "	"	"	"	
3+50S	mod. "	"	"	"	
3+25S	" "	"	"	"	
3+00S	" "	"	"	"	
2+75S	" "	"	"	"	
2+50S	" "	"	"	"	
2+25S	gentle N-facing	fair	wet	grey/brn	
2+00S	" "	good	"	blk	mud
1+75S	" "	"	dry	dk. brn	
1+50S	" "	poor	"	grey	sand
1+25S	" "	good	wet	dk brn	
1+00S	" "	fair	"	grey/brn	
0+75S	" "	good	dry	red/brn	
0+50S	creek	fair	wet	brn/grey	sandy - creek
0+25S	gentle E-facing	fair	"	grey/brn	
BL 0+00S	" "	good	"	red/brn	

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L4W 6+00S	level	good	wet	red/brn	
5+75S	"	"	"	"	
5+50S	"	"	"	"	
5+25S	mod. N-facing	"	"	dk red/brn	
5+00S	" "	"	"	lt brn	
4+75S	" "	"	"	dk red/brn	
4+50S	level	"	"	red/brn	
4+25S	"	"	"	"	
4+00S	gentle N-facing	"	"	lt. red/brn	
3+75S	" "	"	"	red/brn	
3+50S	" "	"	"	"	
3+25S	steep "	"	"	lt. red/brn	
3+00S	gentle "	"	"	red/brn	
2+75S	" "	"	"	"	
2+50S	" "	"	"	"	
2+25S	" "	"	"	"	
2+00S	" "	"	"	"	
1+75S	" "	"	"	"	
1+50S	" "	"	"	"	
1+25S	" "	"	"	"	
1+00S	" "	"	"	"	
0+75S	" "	"	"	"	
0+50S	" "	"	"	"	
0+25S	" "	"	"	"	
0+00S	" "	"	"	"	
L5W 6+00S	gentle N-facing	good	dry	dk red/brn	
5+75S	" "	"	"	"	
5+50S	" "	"	"	lt. red/brn	
5+25S	" "	"	"	red/brn	
5+00S	" "	"	"	"	
4+75S	steep "	"	"	lt. red/brn	
4+50S	gentle "	"	"	dk red/brn	
4+25S	" "	"	"	red/brn	
4+00S	" "	"	"	lt. red/brn	
3+75S	" "	"	"	"	
3+50S	" "	"	"	"	
3+25S	" "	"	"	"	
3+00S	" "	"	"	"	
2+75S	" "	"	"	red/brn	
2+50S	level	"	"	red	
2+25S	gentle NE-facing	"	"	lt. brn	
2+00S	mod. "	"	"	dk red/brn	
1+75S	" "	"	"	"	
1+50S	" "	"	"	"	
1+25S	level	"	wet	blk	
1+00S	mod. N-facing	"	dry	dk red/brn	
0+75S	" "	"	"	"	
0+50S	" "	poor	"	lt. red/brn	sandy
0+25S	" "	good	"	red/brn	
0+00S	" "	"	"	"	

SOIL CHARACTERISTICS

SAMPLE LOCATION	SLOPE	QUALITY	WET / DRY	COLOUR	IMPURITIES
L6W 6+00S	mod. N-facing	good	wet	red/brn	few rocks & organics
5+75S	" "	fair	dry	brn	rocks & org's
5+50S	" "	excellent	"	red	no rocks or org's
5+25S	" "	"	"	"	few rocks & org's
5+00S	" "	good	Wet	dk brn	
4+75S	level	"	"	"	org's
4+50S	"	"	"	"	"
4+25S	"	"	"	"	"
4+00S	"	"	"	"	"
3+75S	"	"	dry	red/brn	some rocks & org's
3+50S	"	"	wet	"	rocks (qtz) & org's
3+25S	"	fair	wet	blk/grey	clay
3+00S	"	"	dry	"	rocks & org's
2+75S	"	good	"	brn	some rocks & org's
2+50S	"	"	"	lt. brn	dusty
2+25S	"	"	"	red	" some org's
2+00S	"	fair	"	brn	some gravel
1+75S	"	good	wet	brn	
1+50S	"	fair	dry	"	clay & gravel
1+25S	"	good	"	red	few rocks & org's
1+00S	steep, N-facing	fair	"	red/green	some green rock
0+75S	" "	good	"	red	some rocks
0+50S	" "	good	"	dk red/brn	rocks
0+25S	" "	fair	"	green/red/brn	clay & soil
0+00S	" "	good	"	red/brn	rocks

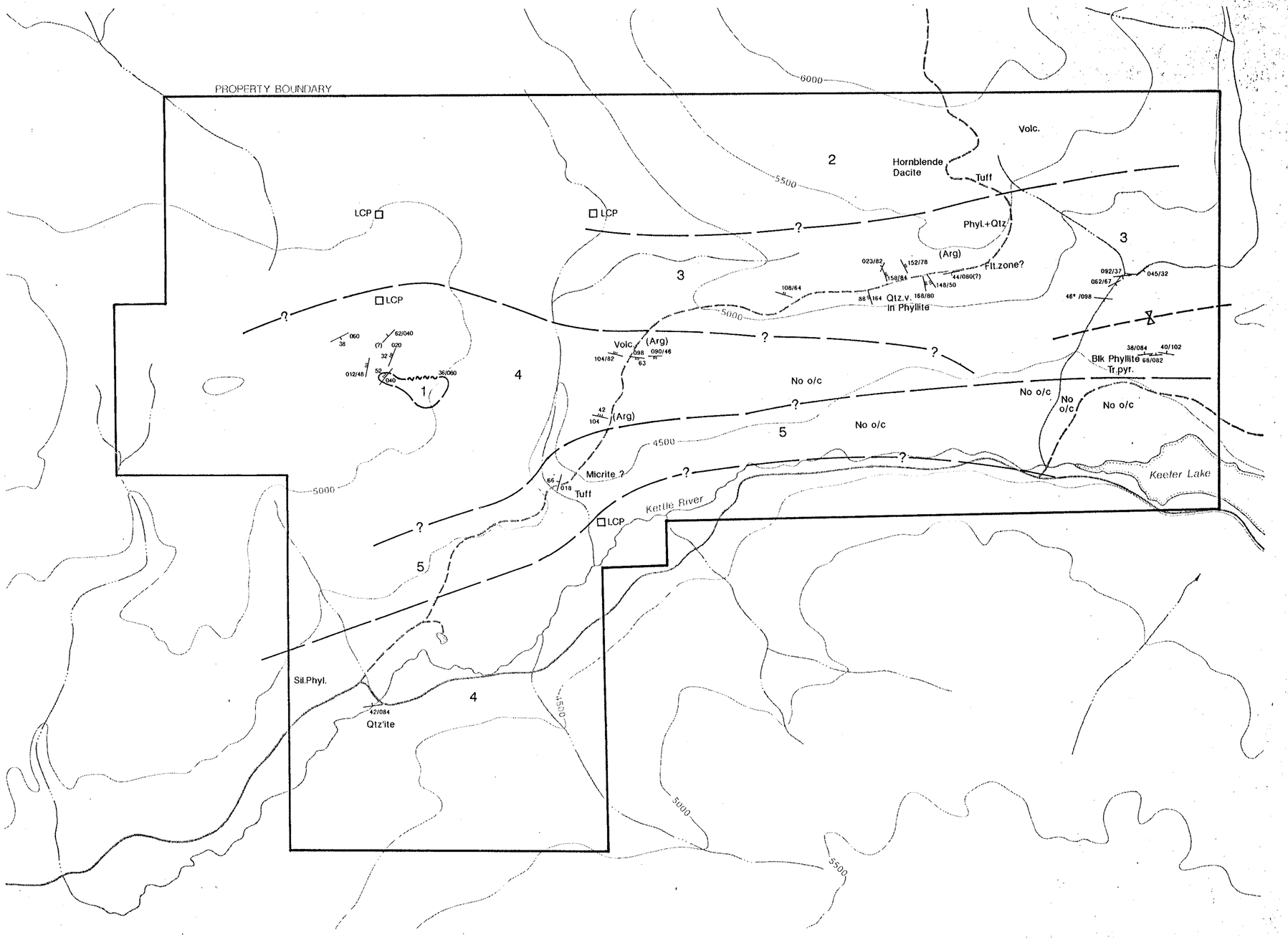
APPENDIX VI

Statement of Costs

STATEMENT OF COST

Project 88BC020B

SALARIES				
(Sept.12 to Oct.20, 1988)				
D.Thompson	14days @ $375/day		$ 5,250	
G.Leitz	14days 225/day		3,150	$ 8,400
PROJECT PREPARATION				875
PROJECT EXPENSES				
Supervision:			331	
Truck rental 14 days	$ 135/day		1,890	
Field supplies at cost			286	
Domicile 28 mandays	$ 55/DAY		1,540	
Communication/Freight			102	
Geochemistry:				
509 Soil sample prep	$ 1.00	$ 509		
509 Soil-6 Elem Tr ICP	5.00	2,545		
509 Soil -AU FIRE	7.25	3,690		
23 Rock-6 Elem Tr ICP	5.00	115		
23 Rock AU FIRE	7.25	167		
23 Assays sample	3.75	86		
19 HM-Floatation Prep	25.00	475		
19 HM -AU FIRE	7.25	138		
19 HM - 6 Elem Tr ICP	5.00	95		
MIscellaneous Lab Charges		90	7,910	12,059
MOB/DEMOB EXPENSES				1,790
OFFICE EXPENSES				618
REPORT COMPILATION				4,000
			$	27,742
PROJECT MANAGEMENT 15% (NOT ON SALARIES)				1,980
TOTAL COSTS			$	29,722



N

LEGEND

- Geological contact, inferred
- Bedding dip/strike
- Joint dip/strike
- Cleavage dip/strike
- Syncline

1. Diorite
2. Volcanics (Nicola Group)
3. Siliceous Phyllite and Argillite interbedded
4. Mixed Sediments and Volcanics
5. Argillaceous cherty Limestone

- Road
- Creek

Contour interval = 500 feet

0 200 400 600 metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,147

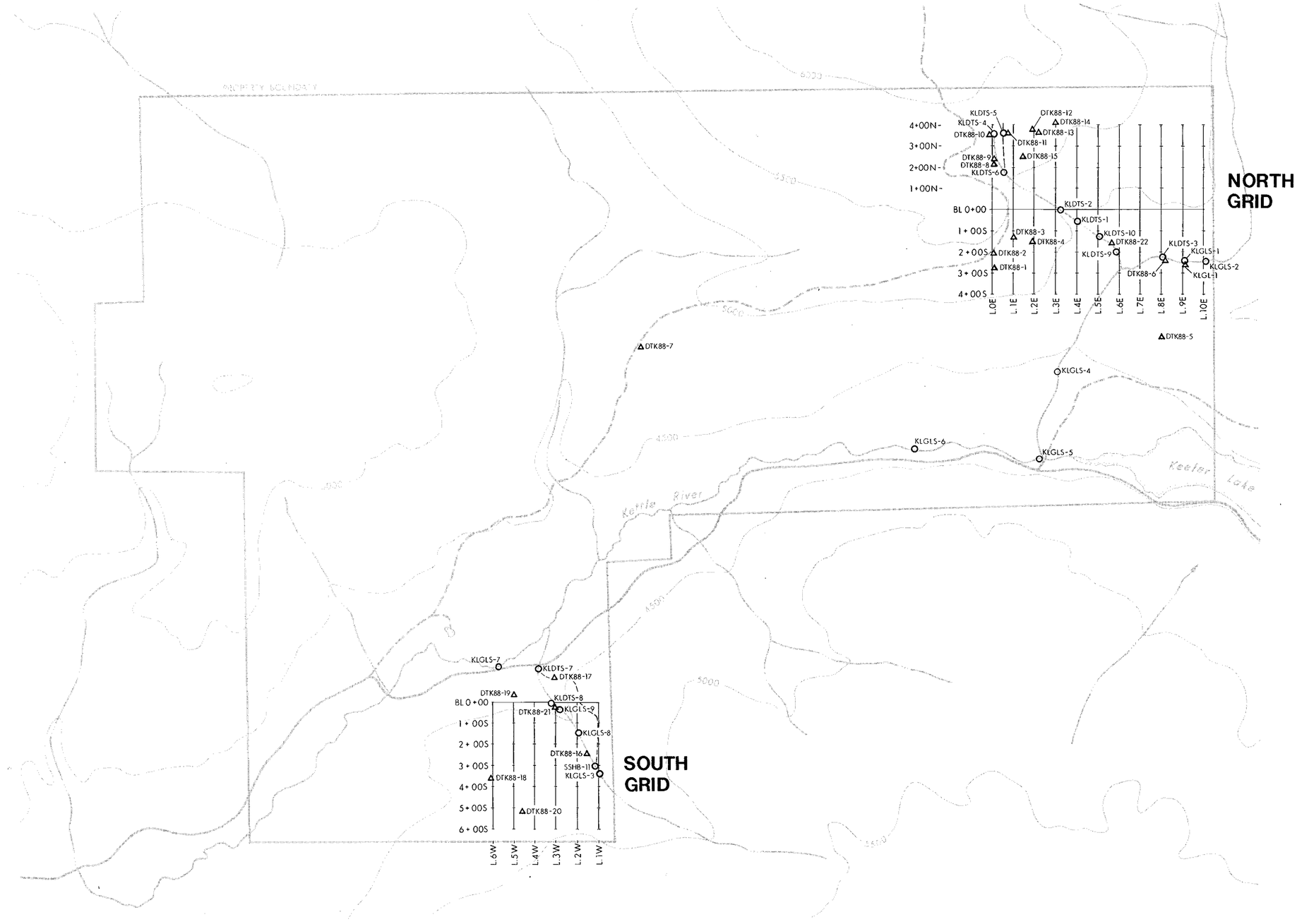
GEOLOGY AFTER COLLINS 1988.

KEEFER RESOURCES INC.

DONA & IRENE CLAIMS

PROPERTY GEOLOGY

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1 : 10,000	N.T.S.: 82L/1	FIGURE No: 4
	DWN. BY: H.V.	DATE: Nov./1988	
	CHKD. BY: D. Collins	PROJECT No: 88BC020b	FILE No: G-4



SOILS COLLECTED AT 25m INTERVALS ALONG N-S CROSS LINES ON NORTH AND SOUTH GRIDS.

△ ROCK (GRAB) SAMPLE LOCATION

○ STREAM SEDIMENT SAMPLE LOCATION

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,147

0 500 m 1 km

KEEFER RESOURCES INC.

DONA and IRENE CLAIMS

SOIL, ROCK and STREAM GEOCHEMICAL SURVEY

SAMPLE LOCATION and GRID MAP

HI-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1:10,000	N.T.S.: 86L/1	FIGURE No. 7
	DWN. BY: PROMAP	DATE: SEPT. 1988	
	CHKD. BY:	PROJECT No.: 88BC020b	FILE No: