K A N G E L D R E S O U R C E S L T D.

GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL REPORT ON THE DEACON CREEK PROPERTY CARIBOO MINING DIVISION, B.C. NTS 93 B/16E & W

BY

LINDA DANDY, B.Sc., F.G.A.C.,

AUGUST, 1989

CLAIM WORKED:	DC 2
LOCATION:	52° 58' N, 122° 16' W
OWNER:	KANGELD RESOURCES LTD.
OPERATOR:	KANGELD RESOURCES LTD.
PROJECT GEOLOGIST:	LINDA DANDY

GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL REPORT ON THE DEACON CREEK PROPERTY CARIBOO MINING DIVISION, B.C. NTS 93 B/16E & W

SUMMARY

The Deacon Creek Property represents a gold prospect located approximately 15 kilometres (9 miles) east-southeast of the town of Quesnel in central British Columbia. Previous work, including geological mapping, geophysical testing, and geochemical sampling has been carried out over selected portions of this property. In early 1987, a detailed airborne geophysical programme was commissioned to survey the entire property. The results of that survey outlined several areas over which additional, detailed ground follow-up surveys were conducted.

In 1989, due to the encouraging results obtained from the previous surveys, one of the grids was extended farther to the west. This extended grid was surveyed using a VLF electromagnetometer and was geochemically sampled. Outcrops encountered during the course of the surveys were mapped and chip sampled where warranted. A strong north-south trending conductor was outlined by the VLF-EM survey, and several single station gold soil geochemical anomalies were obtained. Further work is needed to understand the significance of these anomalies.

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GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL REPORT ON THE DEACON CREEK PROPERTY CARIBOO MINING DIVISION, B.C. NTS 93 B/16E & W

1.0 INTRODUCTION

The Deacon Creek property is a gold prospect located in the historic Cariboo Gold District in central British Columbia. This property, comprised of six Modified Grid Claims consisting of 100 units, was discovered, staked, and recorded by the A.T. Syndicate in March and July of 1984. The property was staked as a result of a regional heavy mineral concentrate sampling programme which outlined highly anomalous gold values in all streams draining the area now covered by the D.C. Mineral Claims. In late 1985, the property was sold to the present recorded holder, Kangeld Resources Ltd.

1.1 LOCATION AND ACCESS

The property is a gold prospect located approximately 15 km (9 miles) east-southeast of Quesnel, B.C. in the southwest corner of the Cottonwood Provincial Forest (Figure 1). The property covers an area of approximately 20 square kilometres which represents most of the Deacon Creek drainage basin which drains westward into the Quesnel River. Most of the property consists of gently rolling plateau land except near the mouth of Deacon Creek where a steep canyon is cut by the creek as it descends the plateau. Relief is on the order of 300 metres (1000 feet). All claims are located on N.T.S. Mapsheets 92B/16E & 16W. Terrestrial co-ordinates for the centre of tha area are as follows:

52° 58' North Latitude
122° 16' West Longitude

There is no direct road access to the property, however, there are loose surfaced, dry-weather logging roads immediately west, north, and east of the claims. Principal access to the western portion of the claims is along the east side of Quesnel River; this road (Quesnel Canyon Road) connects with the Quesnel-Barkerville Highway at approximately 2 kilometres east of the town of Quesnel. Access to the northern portions of the claims is by way of an old logging road which travels southwards from the Quesnel-Barkerville Highway approximately 1.5 kilometres west of Fifteen Mile Lake. Road access along the eastern end of the property is by way of Forestry Road No. 500 beginning approximately 2 kilometres west of Cottonwood House on the Quesnel-Barkerville Highway. Near Km Post 5-12, a recently opened logging road leads westward and terminates approximately 1 km east of the eastern boundary of the D.C. 4 Mineral Claim. Logging on the east side of the claim block has recently been completed, allowing better access to the property.

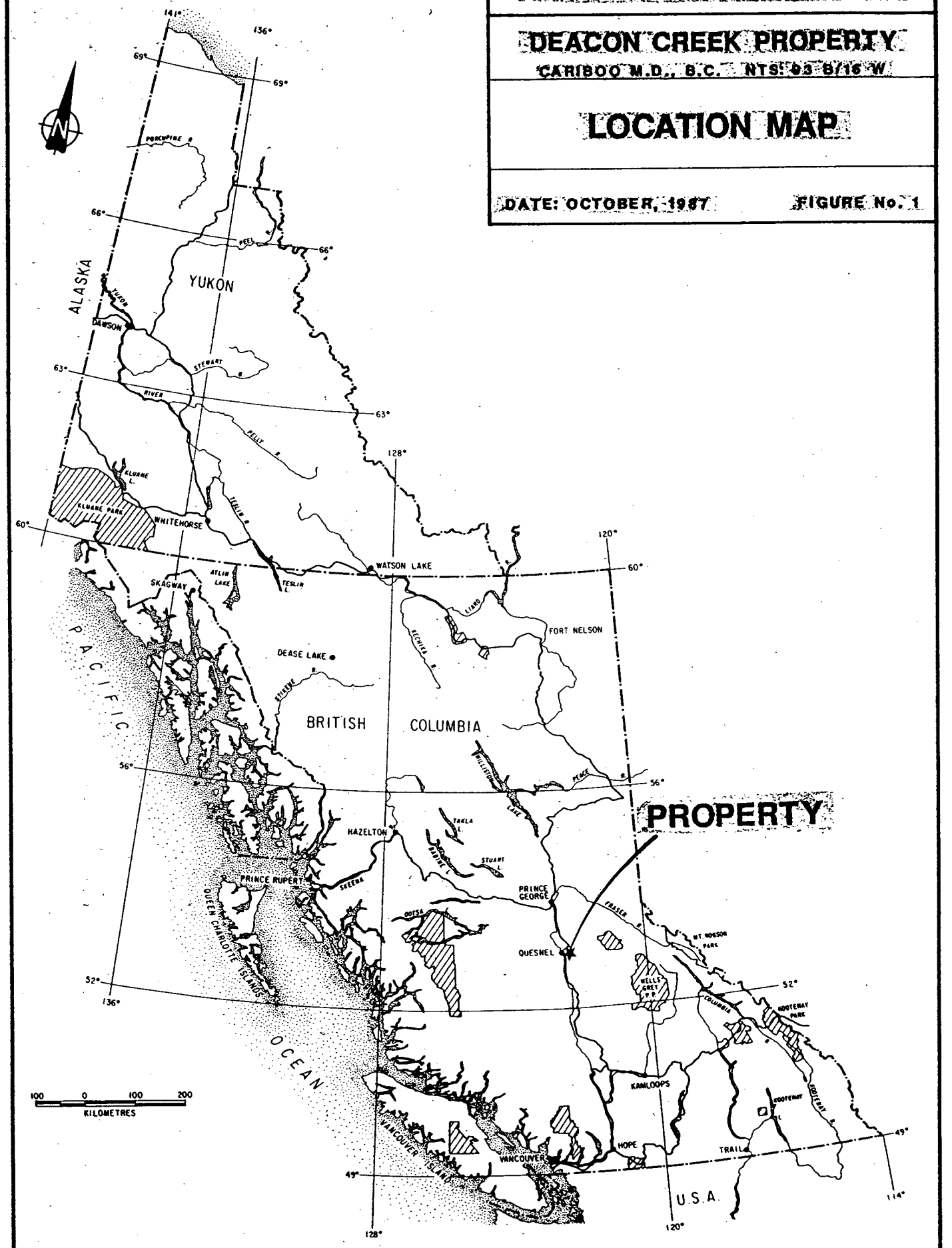
KANGELD RESOURCES LTD.

DEACON CREEK PROPERTY

CARIBOO M.D., B.C. NTS: 93 B/16 W

LOCATION MAP

DATE: OCTOBER, 1987 FIGURE No. 1



1.2 PHYSIOGRAPHY, VEGETATION AND CLIMATE

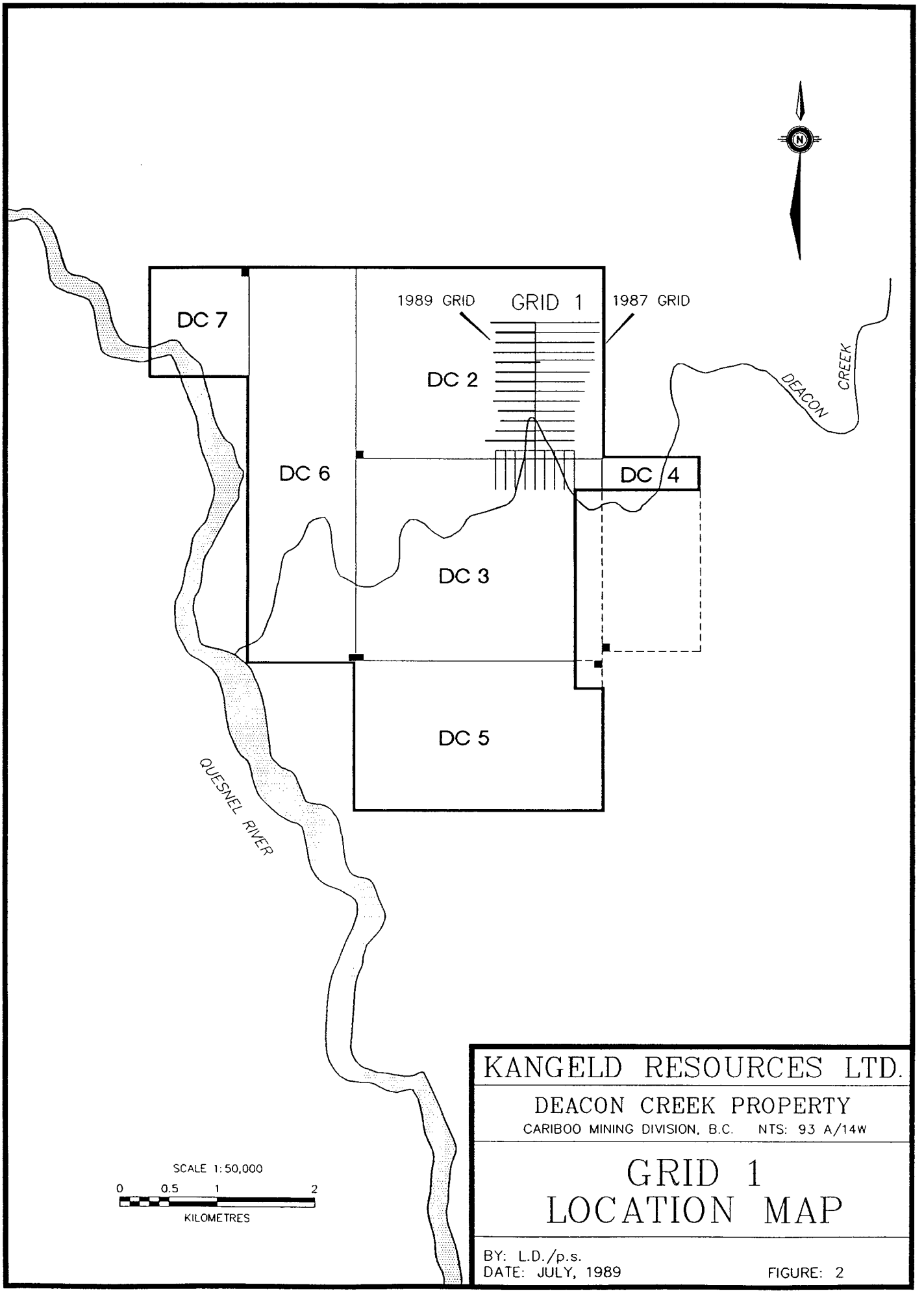
The Deacon Creek Property lies in the central portion of the province within the physiographic division known as the Intermontane Plateau. This region is bounded by the Coast Range on the west and the Cariboo and other mountain ranges on the east. The Cariboo is a deeply dissected region with low rounded hills and an irregular pattern of streams, creeks, and gulches. The weathering and erosion that gave rise to the dissection of the country apparently originated in early Tertiary time and extended throughout that period. In Pleistocene time a stagnant ice sheet lay over the land, removing much of the weathered mantle at higher elevations but having little effect on the placer deposits in most of the valleys. The bedrock is mostly limestone of the lower Paleozoic Cariboo Group and this probably accounts for the gentle rolling topography in the region.

The property is situated in a broad, flat, plateau area along the east side of the Quesnel River. The claims are at a mean elevation of 800 metres (2700 feet) with maximum relief on the order of 300 metres (1000 feet). The eastern half of the property is flat lying and tilted toward the west. This ground is drained to the west by several small tributaries which merge to form Deacon Creek. As the creek flows westward it cuts through the plateau escarpment and forms a narrow, steep-sided canyon with walls nearly 150 metres (500 feet) high. The walls of this canyon are primarily composed of unsorted gravels and glacial till.

The area has a dry continental climate, with a pleasant, often hot, summer and a moderately long winter. Summer temperatures may reach into the low 30^{o} C while winter lows may remain less than 10^{o} C below zero for several weeks. This climate supports a dense coniferous forest with a considerable amount of undergrowth along streams. Vegetation consists of open mature forest comprised predominantly of pine and spruce with alder along streams and in wet, swampy areas. Large stands of birch and alder predominate along the western portion of the claims. The remains of recent landslides along the north side of Deacon Creek have yet to be reclaimed by forest cover.

1.3 CLAIM INFORMATION

The claims are located in the Cariboo Mining Division and consists of six contiguous modified grid claims, totaling 100 units (Figure 2). All claims are registered in the name of Kangeld Resources Ltd. of Vancouver, British Columbia. Claim information is listed in Table 1.



KANGELD RESOURCES LTD.

DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93 A/14W

GRID 1 LOCATION MAP

BY: L.D./p.s.
DATE: JULY, 1989

FIGURE: 2

TABLE 1
CLAIM STATUS

CLAIM	UNITS	RECORD NO.	ANNIVERSARY DATE
D.C. 2	20	5889	MARCH 19
D.C. 3	20	5890	MARCH 19
D.C. 4	20	5891	MARCH 19
D.C. 5	20	6189	JULY 4
D.C. 6	16	6190	JULY 4
D.C. 7	4	6191	JULY 4

1.4 HISTORY AND PREVIOUS WORK

In 1859, placer gold was discovered along the Quesnel River approximately 50 km southeast of the Deacon Creek Property. 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 and Island Mountain Mines at Wells, B.C.

There is no record of gold production from the present property; however, Holland (1980) reports that 15,342 ounces of gold were recovered along the Quesnel River downstream from Quesnel Forks to a point immediately downstream of the Deacon Creek confluence. In addition, the property is strategically located only 20 kilometres (12 miles) west-southwest of the famous Cariboo placer deposits at Lighting Creek and 50 kilometres (32 miles) from the lode deposits at Wells.

In 1980, following a geophysical interpretation of Aeromagnetic Series-Map 1539-G (1963), a regional geochemical survey was carried out over this map area by the A.T. Syndicate. Later in that year a regional reconnaissance stream sediment sampling programme was carried out along the flanks of a northwest-southeast trending magnetic high. The project was designed to collect heavy mineral concentrate samples from streams draining the magnetically anomalous area. Heavy mineral concentrate samples were taken from all significant tributaries draining the anomalous region. Samples were collected and concentrated at each sample site using standard gold-panning techniques. At each sample site, the panned concentrates were tailed out and checked for visible gold to assess the placer potential of the streams and to quantify the extent and distribution of gold particles. The results of this reconnaissance programme lead to the staking of the Deacon Creek Property in March 1984. Following an Engineering Report, additional claims were added to form the present group of six Modified Grid Mineral Claims.

In 1980, lode gold was discovered by Dome Mines Ltd. on the QR Property located 40 kilometres (24 miles) to the southeast. Drilling to date has indicated reserves of 950,000 tons averaging 0.21 oz/ton gold (Dome Annual Report, 1981). This is reported to be a porphyry-type deposit emplaced in a propylitic alteration zone developed in Takla Group volcanics marginal to a diorite stock. This deposit has no surface expression and was located by drilling the flanks of magnetic highs similar to that underlying the D.C. Claims. Due to this recent discovery by Dome the entire Cariboo Mining Divisions is again being actively explored.

Up to 1986, only minor surface work was performed; this work included geological, geophysical, and geochemical testing of selected areas. In early 1987, Kangeld Resources Ltd. obtained the claims and commissioned Aerodat Ltd. of Mississauga, Ontario to conduct an airborne geophysical survey over the property. This survey consisted of a low-level, helicopter supported programme which included a three frequency electromagnetic system, a high sensitivity cesium vapour magnetometer, and a two frequency VLF-EM system. Results of this survey were used to control the location of the detailed soil sampling and ground geophysical surveys run later in 1987.

The 1987 surveys were run on two grids, the BL 1 and BL 2. From the BL 1 grid, a strong north trending magnetic high was found, which is similar to that overlying an intermediate to basic intrusive as found over the Dome Mines' QR deposit. A moderately strong EM conductor was outlined by the airborne survey in the area of the BL 1 grid, but although several weak conductors were identified, no conductors similar to those from the airborne survey were seen. From the BL 2 grid, a strong, narrow, east-west trending magnetic high, which is similar to the type of feature expected over a north dipping fault was found. The 1989 programme was designed to follow up the BL 1 grid results and attempt to find the airborne EM conductor by extending the grid lines 400 metres farther to the west.

1.5 WORK DONE BY KANGELD RESOURCES LTD. IN 1989

From June 30 to July 4, 1989, the following field work was conducted by a two person crew working out of the town of Quesnel:

1) 5.3 line kilometres of grid was chained and flagged, with stations at 25 metre intervals along lines spaced 100 metres apart. These lines are 400 metre long western extentions of the grid lines run in 1987 on the Base Line 1 Grid.

2) Soil sampling was conducted over the entire grid area. Samples were collected at 25 metre intervals along the four northern lines and at 50 metre intervals along the remainder of the lines. Also, several samples were collected from portions of the 1987 grid which previously returned anomalous gold values to confirm the presence of the mineralization. A total of 167 soil samples were collected.

3) VLF electromagnetometer survey was run over the new grid lines with readings being taken at 25 metre intervals along all lines. A total of 5.3 line kilometres were surveyed.

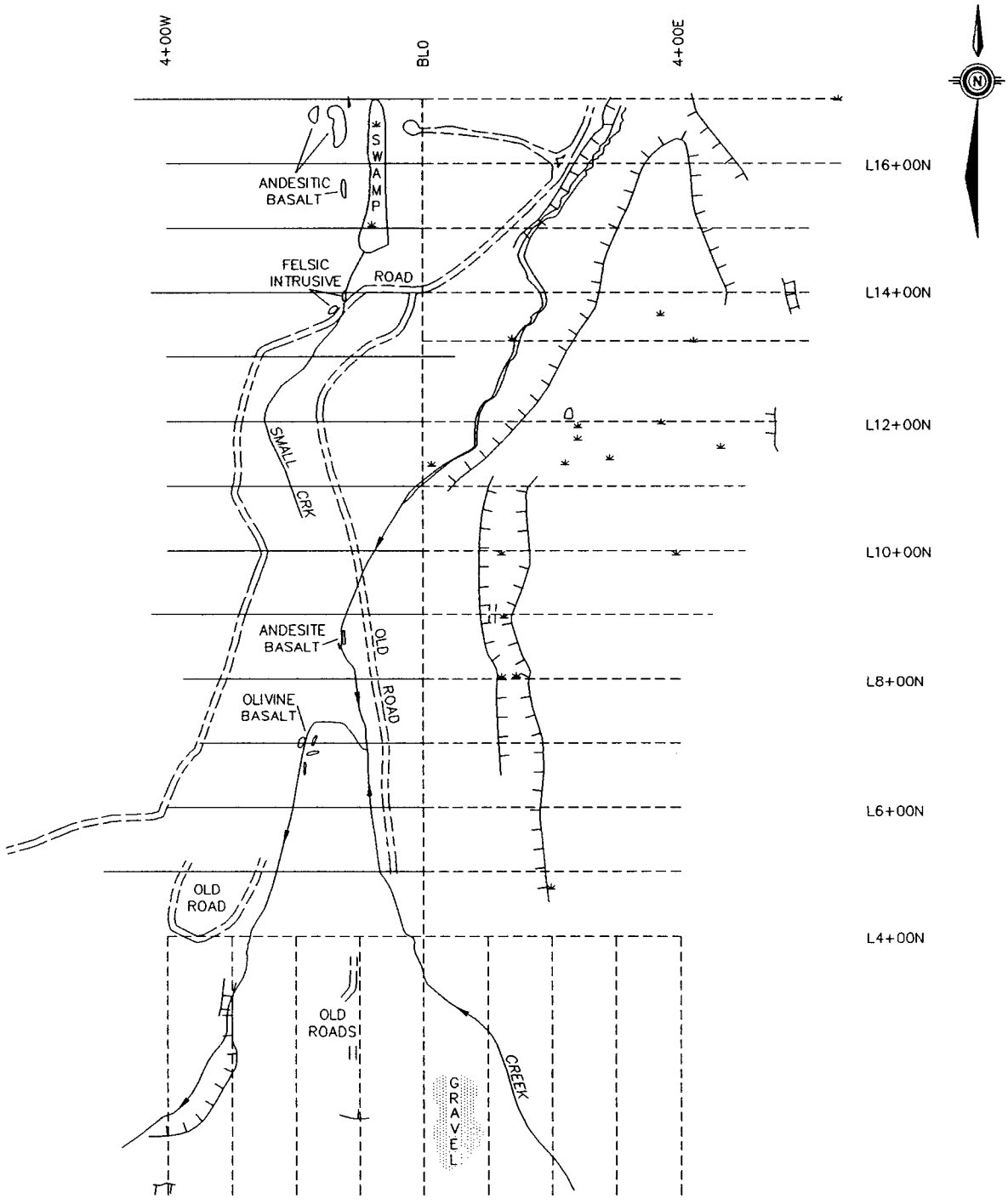
4) Outcrops were mapped and chip sampled where encountered during the course of the surveys. A total of 7 rock chip samples were taken.

2.0 GEOLOGY

Regional geological maps have not been produced to cover the Deacon Creek area. Geological mapping of Sheet 93/B was undertaken in 1957-59 by H.W. Tipper of the Geological Survey of Canada and compiled as Preliminary Series Map 12-1959. The geologic work done by Tipper, however, failed to include the Deacon Creek Property in his mapping, but he suggested that the area was covered by extensive overburden and underlain by either Permian age Cache Creek Group chert, argillite, and limestone or Jurassic age Hazelton Group basic volcanics. The area to the east was mapped by R.B. Campbell also of the Geological Survey and was compiled as Map 3-1961. This work suggests that the Deacon Creek Property is underlain by upper Triassic to Lower Jurassic age Takla Group volcanics, which appears to be the case as seen by the outcrops encountered during the 1989 exploration programme.

Aeromagnetic Series Map 1539-G outlines a northwest-southeast magnetic high underlying the Deacon Creek Property. Interpretation of this data suggests that this magnetic high is reflecting underlying basic volcanics. This magnetic signature is similar to that expected from the Takla Group volcanics; furthermore, it appears that the volcanics have been intruded by stocks of dioritic composition. The dioritic material probably represents the magma chambers or source areas for the volcanics. It is important to note that a similar magnetic response exists over Dome Mines' QR Property.

Limited outcrop exposure on the property makes geological interpretation difficult. Outcrops identified include mafic to intermediate volcanics (Figure 3). Basalts tend to be extremely magnetic, contain minor amounts of calcite veining, may be dark green to dark purple in colour. The basalt appears to grade into andesite in some instances, which is fine to medium grained, dark green in colour and may or may not be magnetic. Trace pyrite may be present in the andesite. One outcrop exposure showed an intermediate to felsic dyke rock which was very rusty and had undergone minor to intense brecciation. All of these outcrops were chip sampled, but no significant gold or silver mineralization was present.



LEGEND

----- 1987 VLF GRID

——— 1989 VLF GRID

SCALE 1:10,000

0 100 200 300 400 500

METRES

KANGELD RESOURCES LTD.

DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93A/14W

GRID 1
GEOLOGY MAP

BY: L.D./p.s.

DATE: AUGUST, 1989

FIGURE: 3

3.0 GEOCHEMISTRY

3.1 SOIL SAMPLING

3.1.1 SAMPLING AND SAMPLE TREATMENT

Soil samples were collected at 25 m intervals along lines 14+00N to 17+00N from 0+00W to 4+00W, and at 50 metre intervals along lines 5+00N to 13+00N from 0+00W to 4+00W, except in swampy areas. The purpose of this sampling programme was to determine if there was any significant geochemical signature across the VLF electromagnetic conductor. Also, 33 samples were taken from the same sites as samples collected in 1987, to confirm the presence of gold mineralization in these samples. Samples were collected, whenever possible, from the 'B' soil horizon. Generally the soil development is good and the desired horizon was easy to identify. Samples were collected using mattock and placed into Kraft wet-strength paper envelopes. A total of 167 samples were collected in this manner.

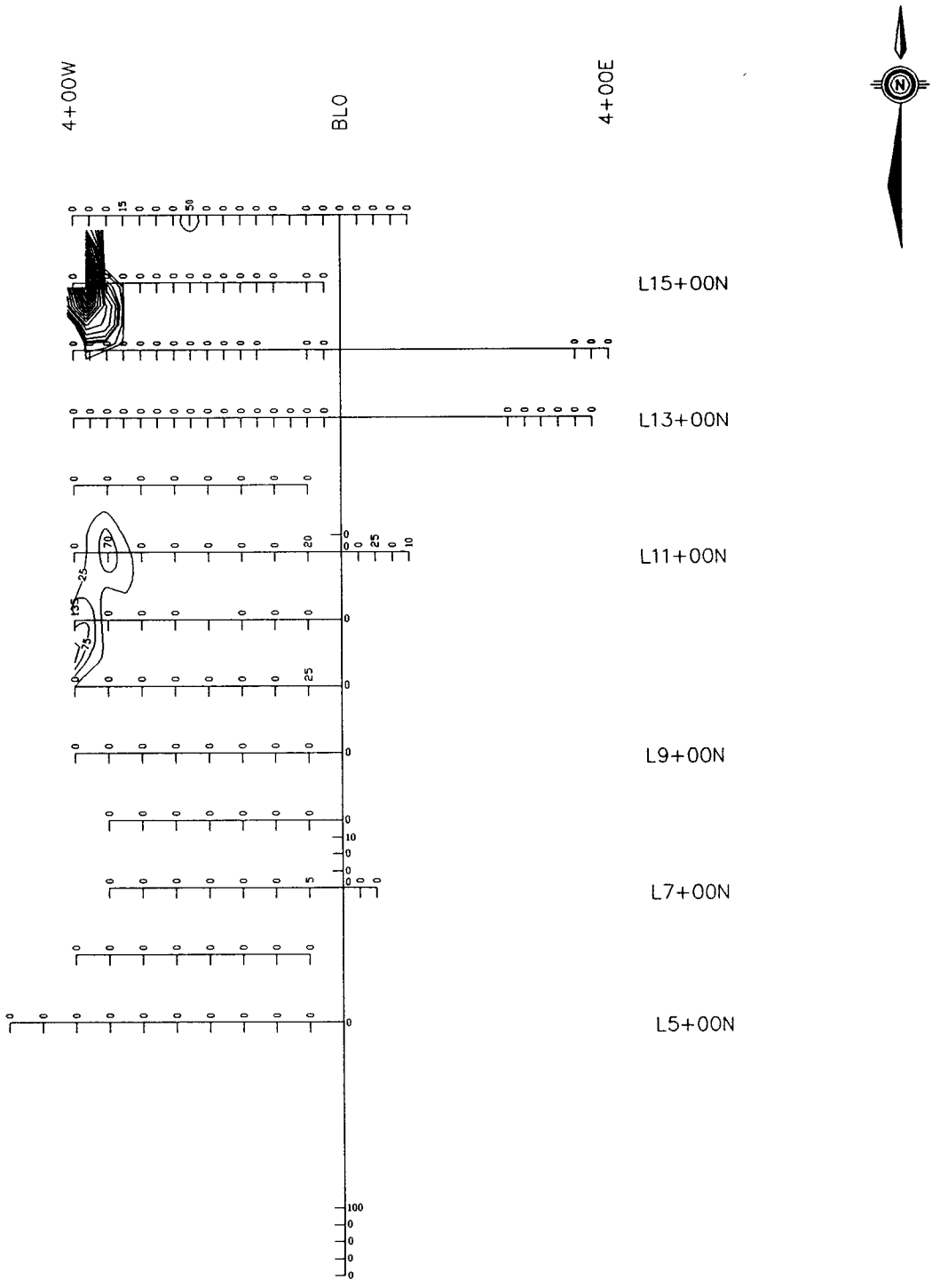
After air drying for several days, the samples were shipped to Chemex Labs Ltd. in North Vancouver, B.C., for analysis. In the laboratory, the samples were oven dried at approximately 50°C and sifted through a minus 35 mesh sieve. The coarse fraction was discarded and the minus 35 fraction was analysed for gold by atomic absorption, and for 32 additional elements by the ICP technique.

3.1.2 PRESENTATION AND DISCUSSION OF RESULTS

Results for the soil samples were tabulated for each element and are summarized in Appendix A. Gold and silver results are plotted on Figures 4 and 5.

Because of the limited number of samples and the low values, soil geochemical data were not treated statistically in order to determine background and anomalous levels. The soil sampling results are generally disappointing, and except for several isolated single station anomalies, the area is not anomalous for any of the 33 elements tested. As seen on the soil geochemistry maps, the highest gold value is greater than 10,000 ppb located on line 16+00N at station 3+75W, and the highest silver values are 1.0 ppm located on line 17+00N at stations 0+00 and 0+25E.

Re-sampling of previously anomalous stations returned poor results, indicating an inconsistency in the amount of gold present in the soils at any given location. The poor gold and silver results over the survey area do not necessarily indicate a lack of bedrock mineralization, rather it indicates variability in the depth of overburden. Outcrops are seen exposed at surface in some areas, while nearby there may be 100 metres or more of glacial till obscuring the bedrock's geochemical signature.



SCALE 1:10,000

0 100 200 300 400 500

METRES

KANGELD RESOURCES LTD.

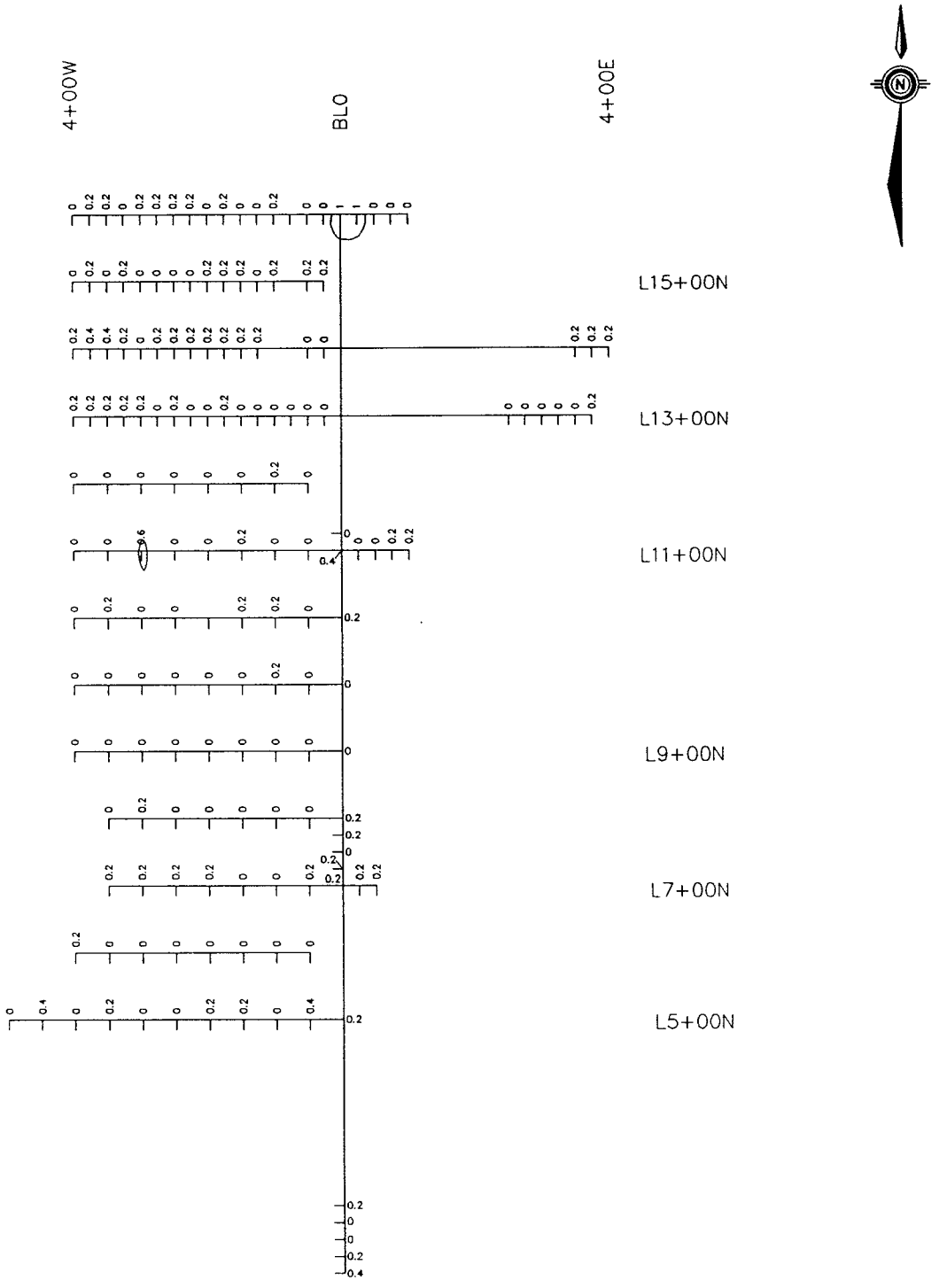
DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93A/14W

Au CONTOUR MAP

BY: L.D./p.s.
DATE: AUGUST, 1989

FIGURE: 4
CONTOUR INTERVAL: (25 ppb)



SCALE 1:10,000

0 100 200 300 400 500

METRES

KANGELD RESOURCES LTD.

DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93A/14W

Ag CONTOUR MAP

BY: L.D./p.s.
DATE: AUGUST, 1989

FIGURE: 5
CONTOUR INTERVAL: (0.5 ppm)

3.2 ROCK CHIP SAMPLING

3.2.1 SAMPLING AND SAMPLE TREATMENT

In 1989, a total of seven rock chip samples were collected from the Deacon Creek property. Samples were taken from mineralized (usually rusty, pyritic or calcitic) outcrops that were encountered during the course of the geochemical and geophysical surveying.

Sample sites were indicated by pink or orange flagging, the samples were placed in labelled plastic bags and were shipped to Chemex Labs Ltd. in North Vancouver, B.C. for analysis. In the laboratory, the samples were crushed to minus 100 mesh, the coarse fraction was then examined for metallics, while the fine fraction was fire assayed for gold and analysed for 32 additional elements by the ICP technique.

3.2.2 PRESENTATION AND DISCUSSION OF RESULTS

Rock sample results can be found in Appendix B. Sample sites are plotted on Figure 3.

All gold and silver values were disappointing, with assays being below detectible levels. Some elevated chrome and nickel values are present, which confirms that the rock types sampled are basaltic to andestic mafic volcanics.

4.1 GEOPHYSICS

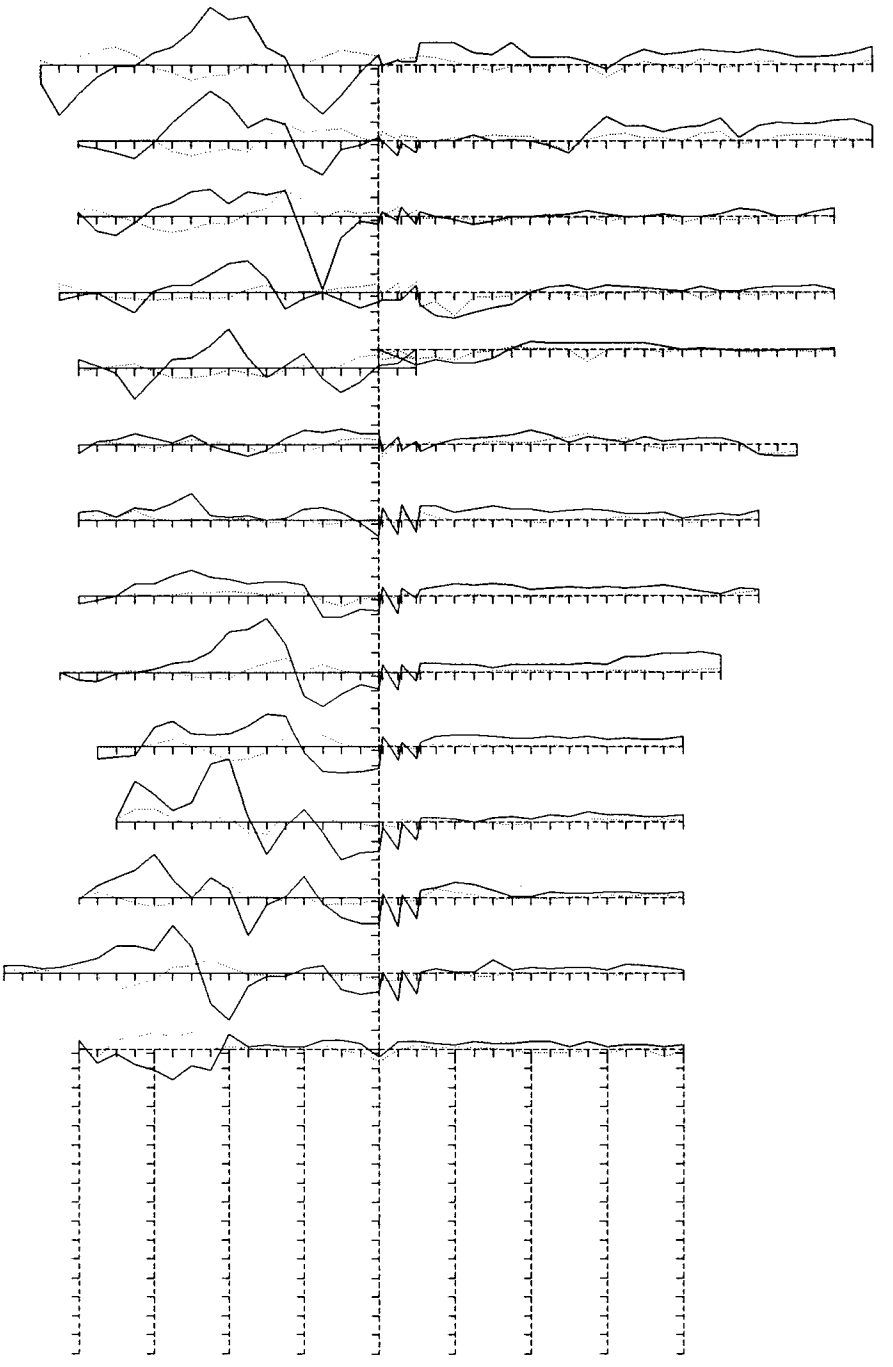
4.1 VLF ELECTROMAGNETOMETER SURVEY

4.1.1 INSTRUMENT AND SURVEY TECHNIQUES

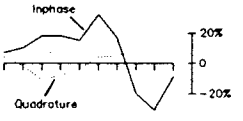
A Geonics EM-16 unit was used to carry out a detailed VLF-EM survey over a western extention of the 1987 BL 1 Grid, where a strong conductor was outlined by the airborne EM survey. Approximately 5.3 line kilometres were surveyed with readings taken at 25 metre intervals along lines trending east-west. The submarine transmitting station in Seattle, Washington (Station NLK, 24.8 kHz) was used. In-phase and quadrature readings were taken in a southwesterly direction to insure that north dips were indicated as negative readings by the instrument. The in-phase readings were later reduced by use of the Fraser Filtering Technique (Fraser, 1969) in order that the results could be contoured.

4.1.2 PRESENTATION AND DISCUSSION OF RESULTS

Results of the VLF-EM survey conducted on the western extention of the 1987 BL 1 grid is presented in Figures 6 and 7. These maps show profiles of the in-phase and quadrature readings, and the Fraser Filtered in-phase readings contoured at 10% intervals.



LEGEND



1987 VLF GRID

1989 VLF GRID

SCALE 1:10,000

0 100 200 300 400 500

METRES

Note: 3,-4 = Quadrature, Inphase

KANGELD RESOURCES LTD.

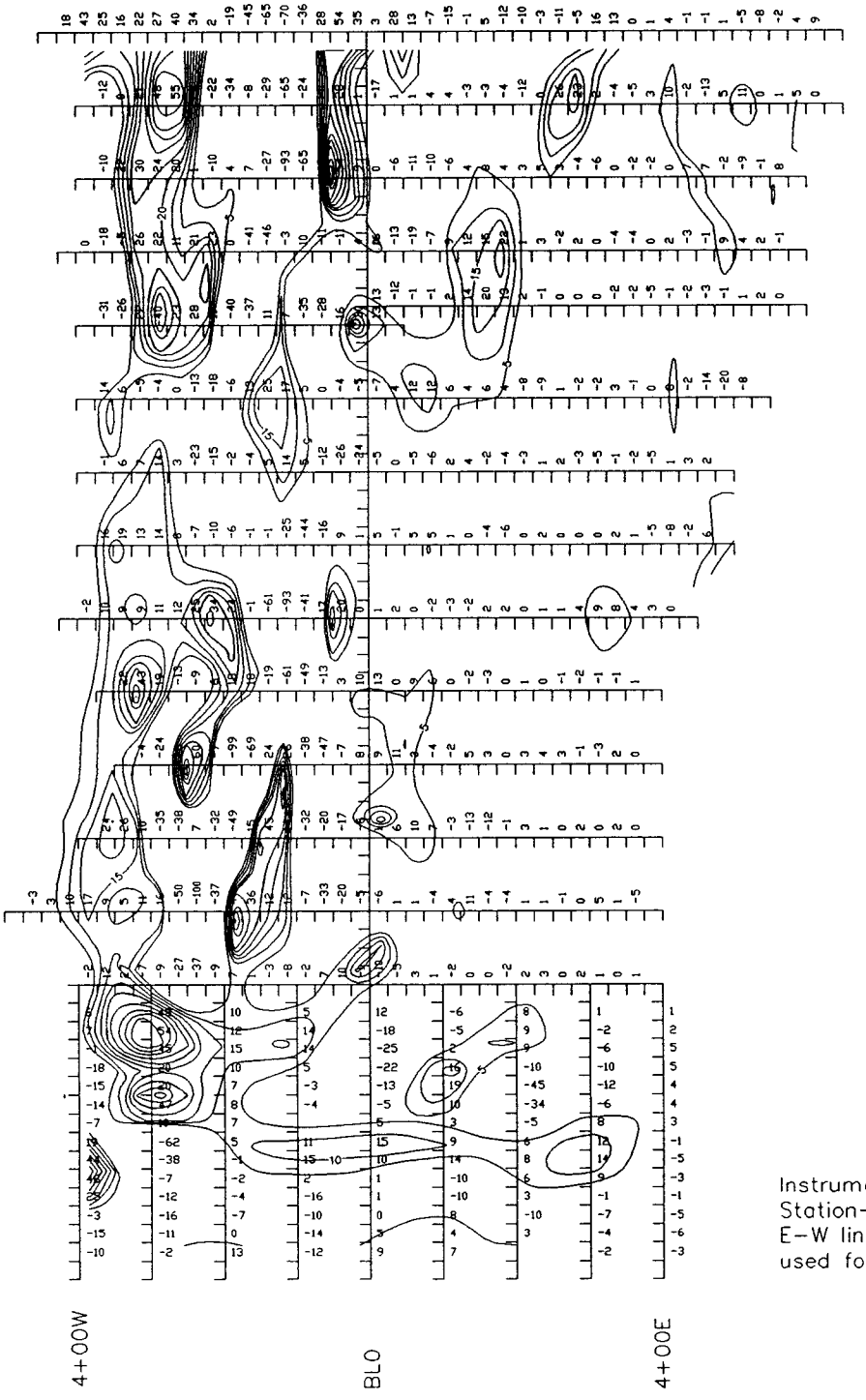
DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93A/14W

VLF EM-16 SURVEY
INPHASE & QUADRATURE

BY: L.D./p.s.
DATE: JULY, 1989

FIGURE: 6



Instrument: Geonics EM-16
Station-Seattle used for
E-W lines. Station-Hawaii
used for N-S lines

SCALE 1:10,000

0 100 200 300 400 500

METRES

CONTOUR INTERVAL = 5%

KANGELD RESOURCES LTD.

DEACON CREEK PROPERTY

CARIBOO MINING DIVISION, B.C. NTS: 93A/14W

VLF EM-16 SURVEY
FRASER FILTERED CONTOURS

BY: L.D./p.s.
DATE: AUGUST, 1989

FIGURE: 7

The results of the VLF-EM survey conducted on the western extention of the 1987 BL 1 grid confirmed the ground position of a major north-south trending fault system similar to that outlined by the airborne survey. The highest Fraser Filtered value is +60 located on line 7+00N at 2+37.5W. A relatively strong conductor can be traced for the entire length of the 1989 survey area from line 5+00N, 1+50W to line 17+00N, 2+50W. This conductor is obscured on line 12+00N, likely due to an increase in the depth of overburden in that area. Several other moderate to strong conductors are also visible, sub-paralleling the main zone. These conductors may be graphitic units, mineralized shear zones, specific stratigraphic horizons, or more likely geological contact areas.

5.0 CONCLUSIONS

The Deacon Creek Property still remains a recently discovered, little tested, gold prospect. The work done in 1989 combined with the results of previous surveys has led to the following conclusions:

1) The property is believed to be primarily underlain by intermediate to mafic volcanics of the Talka Group, which are intruded by stocks of dioritic composition. Some Cache Creek Group sediments and volcanics may be present on the western portion of the property, but this has not been seen in outcrop.

2) Soil geochemistry has outlined some very significant, although spotty anomalous gold zones. The inconsistancy of the geochemical data may be due to the great diversity in the depth and type of overburden. Where high gold values have been obtained, a local bedrock source is probable.

3) Although no magnetometer surveys were conducted in 1989, previous work has indicated that magnetometer work is helpful in defining changes in rock type. The strong north trending magnetic high on the 1987 BL 1 grid is similar to that found overlying a intermediate to basic intrusive, and it is similar to the magnetic response found over Dome Mines Ltd., QR Deposit. The QR Deposit lies along the east flank of another magnetic high within the same magnetic belt covered by the Deacon Creek property.

4) VLF-EM surveys have outlined several sub-parallel or cross-cutting conductors. These conductors may indicate the presence of mineralized shear zones or specific stratigraphic horizons. This may be a very useful tool for geological interpretation in areas with limited outcrop exposure.

Respectfully Submitted,

Linda Dandy, B.Sc., F.G.A.C.
Mark Management Ltd.

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STATEMENT OF QUALIFICATIONS

LINDA DANDY, B.Sc., F.G.A.C.

ACADEMIC

1981	B.Sc. Geology	University of British Columbia
1987	Fellowship	Geological Association of Canada

PRACTICAL

1981 - Present	Geologist Hughes-Lang Explorations Ltd. (formerly Mark Management Ltd.) Hughes-Lang Group, Vancouver, B.C.

1988 Project Geologist - geological, geochemical and geophysical surveys, trenching and 30,000 feet of diamond drilling - porphyry Au-Cu-Mo and Au-massive sulphide veins - Iskut River, northwestern B.C.

1987 Project Geologist - geochemical and geophysical surveys, and 14,000 feet of diamond drilling - Au-veins, Sn-W-Ag scarns, Cu-Pb-Zn massive sulphides - Atlin and Vancouver Island, B.C.

1986 Project Geologist - 12,000 feet of diamond drilling - Au vein mineralization - Atlin, B.C.

1985 Project Geologist - geological, geochemical and geophysical surveys and trenching - stratiform and vein type Au and Ag mineralization - Atlin and Kimberley, B.C., Dawson City, Yukon, and Northport, Washington.

1984 Project Geologist - geological, geochemical and geophysical surveys, trenching and 4,000 feet of diamond drilling - Au bearing quartz veins - Atlin B.C.

1983 Geologist - detailed geological mapping (1:1,000), geochemical and geophysical surveys - Au and Ag bearing quartz veins and shear zones - Atlin and Mackenzie, B.C., Dawson City, Yukon.

1982 Geologist - geochemical and geophysical surveys - Cariboo District, B.C.
Placer Testing - Gold, Platinum and Iridium - Tulameen River, B.C.

1981 Geologist - geological, geochemical and geophysical surveys - Cariboo District, B.C.

COST STATEMENT
DC CLAIMS
JUNE 8 - JULY 4,1989.

GENERAL COST

Food and accommodation: 2pers,10mdays @ $66.56		$ 665.57
Supplies		174.72
Shipments		100.74
Rentals:		
Gallant 4WD Blazer,6days @ $60	$ 600.00	
Ezekiel camp equipment,10mdays @ $10	100.00	700.00
Fuel		139.00
Repairs and maintenance		446.91
Field telephone service		36.54
Consultants fees:		
Archean Engineering Ltd.		1,300.00
Report preparation		2,571.00
TOTAL GENERAL COST		$6,134.48

GEOPHYSICAL SURVEY

Salaries,wages and benefits 2pers,4mdays @ $163.13		$ 652.50
Rentals:		
VLF-EM 16,4days @ $30	$ 120.00	
MAG MP-2,4days @ $30	120.00	240.00
General cost apportioned 4/10 x $6,134.48		2,453.79
TOTAL GEOPHYSICAL SURVEY COST		$3,346.29

GEOCHEMICAL SURVEY

Salaries,wages and benefits 2pers,6mdays @ $168.33		$1,009.99
Analyses: Chemex Labs.		
167 soil for Au & 32element ICP @ $16.25	$2,713.75	
7 rock for Au & 32element ICP @ $18.75	131.25	2,845.00
General cost apportioned 6/10 x $6,134.48		3,680.69
TOTAL GEOCHEMICAL SURVEY COST		$7,535.68

APPENDIX A

SOIL SAMPLING RESULTS

CHEMEX LABS LTD.
CERTIFICATES OF ANALYSES

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, BC
V6C 2W2

A8920188

Comments: ATTN: ART TROUP CC: DAVID NEWTON

CERTIFICATE A8920188

MARK MANAGEMENT LIMITED
PROJECT : KANGELD/DEACON CK
P O # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 20-JUL-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
203	167	Dry, sieve -35 mesh and ring
238	167	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	167	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	167	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	167	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	167	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	167	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	167	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	167	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	167	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	167	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	167	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	167	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	167	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	167	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	167	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	167	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	167	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	167	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	167	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	167	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	167	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	167	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	167	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	167	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	167	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	167	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	167	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	167	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	167	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	167	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	167	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	167	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	167	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	167	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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To : (K MANAGEMENT LIMITED

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

Project : KANGELD/DEACON CK
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Page No. (A
Tot. Pages: 5
Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

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
L0+00E 1+25N	203 238	< 5	1.21	0.4	< 5	90	< 0.5	2	0.44	< 0.5	8	59	14	2.13	< 10	< 1	0.08	10	0.48	195
L0+00E 1+50N	203 238	< 5	1.28	0.2	10	90	< 0.5	2	0.46	< 0.5	9	79	19	2.51	< 10	< 1	0.08	10	0.52	270
L0+00E 1+75N	203 238	< 5	1.65	0.2	< 5	160	< 0.5	2	0.30	0.5	11	107	13	3.58	< 10	< 1	0.06	10	0.29	410
L0+00E 2+00N	203 238	< 5	1.51	< 0.2	< 5	160	< 0.5	< 2	0.33	0.5	12	93	17	2.90	< 10	< 1	0.06	10	0.34	485
L0+00E 2+25N	203 238	100	1.48	< 0.2	< 5	150	< 0.5	< 2	0.36	< 0.5	10	76	18	2.60	< 10	1	0.07	10	0.38	340
L0+00E 7+00N	203 238	< 5	2.02	0.2	< 5	160	< 0.5	2	0.40	0.5	13	110	19	3.22	< 10	< 1	0.07	10	0.50	220
L0+00E 7+25N	203 238	< 5	1.48	0.2	< 5	130	< 0.5	< 2	0.32	< 0.5	11	88	16	2.85	< 10	< 1	0.06	10	0.32	530
L0+00E 7+50N	203 238	< 5	1.93	< 0.2	< 5	130	< 0.5	2	0.28	< 0.5	10	77	16	2.90	< 10	< 1	0.04	10	0.38	175
L0+00E 7+75N	203 238	10	1.34	0.2	< 5	120	< 0.5	< 2	0.32	< 0.5	8	96	12	2.41	< 10	< 1	0.06	10	0.32	285
L0+00E 12+25N	203 238	< 5	1.29	< 0.2	5	160	< 0.5	< 2	0.37	0.5	12	115	16	2.76	< 10	< 1	0.06	< 10	0.42	295
L5+00N 0+00W	203 238	< 5	1.16	0.2	< 5	120	< 0.5	< 2	0.32	< 0.5	9	100	13	2.18	< 10	< 1	0.08	10	0.29	215
L5+00N 0+50W	203 238	< 5	1.42	0.4	< 5	140	< 0.5	< 2	0.68	< 0.5	13	166	25	2.71	< 10	< 1	0.13	10	0.56	520
L5+00N 1+00W	203 238	< 5	1.28	< 0.2	5	150	< 0.5	< 2	0.37	0.5	18	169	28	3.53	< 10	< 1	0.08	10	0.48	820
L5+00N 1+50W	203 238	< 5	1.03	0.2	< 5	80	< 0.5	< 2	0.42	0.5	9	94	18	2.46	< 10	< 1	0.07	10	0.41	275
L5+00N 2+00W	203 238	< 5	1.60	0.2	5	160	< 0.5	2	0.72	0.5	15	113	39	3.15	< 10	1	0.13	10	0.73	610
L5+00N 2+50W	203 238	< 5	1.38	< 0.2	10	240	< 0.5	< 2	0.35	< 0.5	13	104	19	2.94	< 10	1	0.11	10	0.35	1190
L5+00N 3+00W	203 238	< 5	1.79	< 0.2	< 5	200	< 0.5	2	0.27	< 0.5	11	80	20	3.01	< 10	< 1	0.06	10	0.38	325
L5+00N 3+50W	203 238	< 5	1.56	0.2	5	190	< 0.5	< 2	0.35	< 0.5	10	91	15	2.57	< 10	< 1	0.08	10	0.32	850
L5+00N 4+00W	203 238	< 5	1.59	< 0.2	10	180	< 0.5	2	0.49	< 0.5	11	82	19	2.73	< 10	< 1	0.09	10	0.46	275
L5+00N 4+50W	203 238	< 5	3.01	0.4	10	230	< 0.5	2	0.44	< 0.5	14	124	34	3.56	< 10	< 1	0.15	10	0.64	1275
L5+00N 5+00W	203 238	< 5	1.40	< 0.2	10	100	< 0.5	4	0.43	< 0.5	7	75	14	2.18	< 10	< 1	0.07	10	0.43	210
L6+00N 0+50W	203 238	< 5	1.25	< 0.2	< 5	110	< 0.5	< 2	0.47	< 0.5	14	105	19	2.60	< 10	1	0.06	10	0.56	320
L6+00N 1+00W	203 238	< 5	2.76	< 0.2	< 5	180	< 0.5	< 2	0.65	0.5	21	105	43	3.97	< 10	< 1	0.20	10	1.01	420
L6+00N 1+50W	203 238	< 5	1.73	< 0.2	< 5	130	< 0.5	2	0.37	0.5	12	135	16	2.96	< 10	< 1	0.06	10	0.39	420
L6+00N 2+00W	203 238	< 5	2.19	< 0.2	< 5	260	< 0.5	< 2	0.61	< 0.5	22	106	47	3.88	< 10	< 1	0.13	20	0.92	745
L6+00N 2+50W	203 238	< 5	1.35	< 0.2	< 5	150	< 0.5	2	0.52	< 0.5	11	126	20	2.54	< 10	< 1	0.09	10	0.51	340
L6+00N 3+00W	203 238	< 5	1.67	< 0.2	< 5	180	< 0.5	< 2	0.34	< 0.5	13	76	20	2.84	< 10	< 1	0.11	10	0.46	570
L6+00N 3+50W	203 238	< 5	1.59	< 0.2	< 5	190	< 0.5	2	0.43	< 0.5	15	110	22	2.83	< 10	< 1	0.10	10	0.42	460
L6+00N 4+00W	203 238	< 5	2.04	0.2	< 5	190	< 0.5	2	0.49	< 0.5	12	83	17	2.88	< 10	< 1	0.09	10	0.42	325
L7+00N 0+25E	203 238	< 5	1.36	0.2	< 5	100	< 0.5	< 2	0.35	< 0.5	9	91	15	2.75	< 10	< 1	0.05	10	0.35	195
L7+00N 0+50E	203 238	< 5	1.50	0.2	< 5	140	< 0.5	< 2	0.35	< 0.5	7	84	9	2.20	< 10	< 1	0.06	10	0.21	230
L7+00N 0+50W	203 238	5	1.45	0.2	< 5	100	< 0.5	< 2	0.52	0.5	14	146	25	2.76	< 10	1	0.08	10	0.66	285
L7+00N 1+00W	203 238	< 5	1.79	< 0.2	< 5	170	< 0.5	< 2	0.54	< 0.5	14	98	28	3.11	< 10	< 1	0.12	10	0.66	445
L7+00N 1+50W	203 238	< 5	1.78	< 0.2	< 5	90	< 0.5	< 2	0.43	< 0.5	13	122	26	2.97	< 10	< 1	0.06	10	0.57	250
L7+00N 2+00W	203 238	< 5	1.87	0.2	< 5	280	< 0.5	4	0.73	0.5	17	109	40	3.29	< 10	1	0.16	20	0.72	1050
L7+00N 2+50W	203 238	< 5	1.70	0.2	5	240	< 0.5	< 2	0.46	< 0.5	13	131	23	3.04	< 10	< 1	0.11	10	0.53	285
L7+00N 3+00W	203 238	< 5	1.19	0.2	< 5	340	< 0.5	< 2	0.49	0.5	12	88	16	2.42	< 10	< 1	0.14	10	0.37	980
L7+00N 3+50W	203 238	< 5	0.98	0.2	5	140	< 0.5	< 2	0.39	< 0.5	7	112	10	1.69	< 10	< 1	0.08	10	0.27	415
L8+00N 0+00W	203 238	< 5	1.53	0.2	< 5	140	< 0.5	2	0.33	0.5	10	98	14	2.64	< 10	< 1	0.06	10	0.35	375
L8+00N 0+50W	203 238	< 5	1.18	< 0.2	< 5	160	< 0.5	2	0.35	0.5	14	133	17	2.65	< 10	< 1	0.07	10	0.41	615

CERTIFICATION : B. Caughlin

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SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L0+00E 1+25N	203 238	1	0.01	26	900	8	< 5	3	30	0.11	< 10	< 10	56	< 10	64
L0+00E 1+50N	203 238	< 1	0.01	27	820	6	< 5	4	33	0.13	< 10	< 10	66	< 10	62
L0+00E 1+75N	203 238	1	0.01	16	3160	8	< 5	4	21	0.12	< 10	< 10	89	< 10	128
L0+00E 2+00N	203 238	1	0.01	21	1990	24	< 5	4	23	0.11	< 10	< 10	71	< 10	142
L0+00E 2+25N	203 238	1	0.01	28	1340	6	< 5	4	27	0.10	< 10	< 10	65	< 10	82
L0+00E 7+00N	203 238	< 1	0.01	33	1750	6	< 5	4	27	0.12	< 10	< 10	80	< 10	100
L0+00E 7+25N	203 238	1	0.01	20	1710	4	< 5	3	22	0.11	< 10	< 10	72	< 10	88
L0+00E 7+50N	203 238	< 1	0.01	35	1980	< 2	5	4	19	0.09	< 10	< 10	68	< 10	92
L0+00E 7+75N	203 238	< 1	0.01	18	1440	6	< 5	3	22	0.11	< 10	< 10	63	< 10	72
L0+00E 12+25N	203 238	1	0.01	31	1100	10	< 5	4	26	0.10	< 10	< 10	67	< 10	96
L5+00N 0+00W	203 238	< 1	0.02	18	1200	4	< 5	3	24	0.11	< 10	< 10	57	< 10	72
L5+00N 0+50W	203 238	< 1	0.02	38	480	6	< 5	6	43	0.12	< 10	< 10	68	< 10	68
L5+00N 1+00W	203 238	1	0.02	31	960	< 2	< 5	5	27	0.12	< 10	< 10	91	< 10	108
L5+00N 1+50W	203 238	1	0.01	22	910	4	< 5	3	29	0.13	< 10	< 10	65	< 10	68
L5+00N 2+00W	203 238	1	0.02	46	730	6	< 5	8	49	0.12	< 10	< 10	77	< 10	72
L5+00N 2+50W	203 238	1	0.01	23	1110	6	< 5	4	29	0.12	< 10	< 10	63	< 10	96
L5+00N 3+00W	203 238	2	0.01	28	1280	6	< 5	5	22	0.11	< 10	< 10	68	< 10	78
L5+00N 3+50W	203 238	1	0.01	22	1220	< 2	< 5	4	31	0.12	< 10	< 10	59	< 10	94
L5+00N 4+00W	203 238	1	0.01	31	1300	< 2	5	4	38	0.13	< 10	< 10	66	< 10	82
L5+00N 4+50W	203 238	1	0.02	48	1230	8	< 5	7	38	0.12	< 10	< 10	75	< 10	172
L5+00N 5+00W	203 238	< 1	0.02	23	690	4	< 5	4	31	0.13	< 10	< 10	59	< 10	72
L6+00N 0+50W	203 238	< 1	0.02	30	930	40	< 5	4	33	0.10	< 10	< 10	62	< 10	66
L6+00N 1+00W	203 238	< 1	0.01	53	1290	6	< 5	8	49	0.11	< 10	< 10	82	< 10	108
L6+00N 1+50W	203 238	< 1	0.02	25	1720	42	< 5	4	26	0.12	< 10	< 10	74	< 10	88
L6+00N 2+00W	203 238	1	0.01	63	610	< 2	< 5	10	66	0.14	< 10	< 10	81	< 10	92
L6+00N 2+50W	203 238	< 1	0.02	25	810	< 2	< 5	5	48	0.15	< 10	< 10	68	< 10	86
L6+00N 3+00W	203 238	< 1	0.01	35	1000	4	5	5	35	0.13	< 10	< 10	57	< 10	66
L6+00N 3+50W	203 238	< 1	0.01	30	760	< 2	< 5	5	37	0.17	< 10	< 10	65	< 10	96
L6+00N 4+00W	203 238	< 1	0.01	32	2120	< 2	< 5	4	39	0.13	< 10	< 10	66	< 10	126
L7+00N 0+25E	203 238	< 1	0.01	27	1270	< 2	< 5	3	27	0.11	< 10	< 10	73	< 10	60
L7+00N 0+50E	203 238	< 1	0.02	15	1150	2	< 5	3	32	0.13	< 10	< 10	63	< 10	74
L7+00N 0+50W	203 238	< 1	0.02	37	980	< 2	< 5	4	35	0.11	< 10	< 10	72	< 10	64
L7+00N 1+00W	203 238	< 1	0.02	34	830	< 2	< 5	5	43	0.14	< 10	< 10	76	< 10	78
L7+00N 1+50W	203 238	< 1	0.01	40	740	2	< 5	5	38	0.12	< 10	< 10	79	< 10	58
L7+00N 2+00W	203 238	1	0.01	53	830	4	< 5	7	61	0.10	< 10	< 10	72	< 10	110
L7+00N 2+50W	203 238	1	0.01	32	2040	< 2	< 5	5	39	0.12	< 10	< 10	69	< 10	96
L7+00N 3+00W	203 238	< 1	0.01	24	780	< 2	< 5	4	45	0.12	< 10	< 10	61	< 10	192
L7+00N 3+50W	203 238	< 1	0.02	16	650	< 2	< 5	3	32	0.11	< 10	< 10	44	< 10	94
L8+00N 0+00W	203 238	< 1	0.01	22	1530	4	< 5	3	23	0.10	< 10	< 10	64	< 10	94
L8+00N 0+50W	203 238	< 1	0.01	24	1110	8	< 5	3	26	0.09	< 10	< 10	65	< 10	68

CERTIFICATION : B. Caughlin

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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
L8+00N 1+00W	203	238	< 5	1.52	< 0.2	< 5	120	< 0.5	2	0.57	< 0.5	16	122	31	3.20	< 10	< 1	0.09	10	0.71	500
L8+00N 1+50W	203	238	< 5	1.40	< 0.2	< 5	110	< 0.5	< 2	0.29	< 0.5	11	77	12	2.18	< 10	< 1	0.06	10	0.30	225
L8+00N 2+00W	203	238	< 5	0.94	< 0.2	< 5	140	< 0.5	2	0.52	0.5	9	150	17	2.05	< 10	2	0.09	10	0.37	270
L8+00N 2+50W	203	238	< 5	1.09	< 0.2	< 5	100	< 0.5	2	0.41	0.5	12	86	19	2.45	< 10	< 1	0.09	10	0.45	275
L8+00N 3+00W	203	238	< 5	1.32	0.2	< 5	140	< 0.5	< 2	0.42	< 0.5	9	94	12	2.13	< 10	< 1	0.08	10	0.29	305
L8+00N 3+50W	203	238	< 5	0.99	< 0.2	< 5	70	< 0.5	2	0.37	< 0.5	6	85	9	1.59	< 10	< 1	0.05	10	0.23	155
L9+00N 0+00W	203	238	< 5	1.78	< 0.2	< 5	140	< 0.5	2	0.35	0.5	9	112	14	2.60	< 10	1	0.07	10	0.38	230
L9+00N 0+50W	203	238	< 5	1.47	< 0.2	< 5	240	< 0.5	< 2	0.53	0.5	14	112	23	2.67	< 10	2	0.06	10	0.52	725
L9+00N 1+00W	203	238	< 5	2.48	< 0.2	< 5	280	< 0.5	< 2	0.78	0.5	29	300	63	5.21	< 10	< 1	0.18	10	1.63	860
L9+00N 1+50W	203	238	< 5	1.09	< 0.2	< 5	70	< 0.5	2	0.49	< 0.5	12	76	21	2.31	< 10	< 1	0.06	10	0.56	330
L9+00N 2+00W	203	238	< 5	1.34	< 0.2	< 5	70	< 0.5	2	0.33	< 0.5	8	149	11	2.59	< 10	< 1	0.06	10	0.22	200
L9+00N 2+50W	203	238	< 5	1.76	< 0.2	< 5	130	< 0.5	< 2	0.36	< 0.5	10	118	14	2.56	< 10	< 1	0.07	10	0.33	225
L9+00N 3+00W	203	238	< 5	1.70	< 0.2	< 5	100	< 0.5	< 2	0.51	< 0.5	12	111	23	2.79	< 10	< 1	0.09	10	0.58	285
L9+00N 3+50W	203	238	< 5	1.55	< 0.2	5	120	< 0.5	4	0.47	< 0.5	11	122	19	2.75	< 10	< 1	0.10	10	0.46	360
L9+00N 4+00W	203	238	< 5	1.60	< 0.2	< 5	170	< 0.5	< 2	0.28	< 0.5	11	85	11	2.65	< 10	< 1	0.07	10	0.30	420
L10+00N 0+00W	203	238	< 5	1.22	< 0.2	< 5	110	< 0.5	< 2	0.32	< 0.5	10	132	10	2.54	< 10	< 1	0.05	10	0.30	290
L10+00N 0+50W	203	238	25	1.52	< 0.2	< 5	120	< 0.5	2	0.50	< 0.5	13	169	24	3.44	< 10	< 1	0.11	10	0.60	390
L10+00N 1+00W	203	238	< 5	1.88	0.2	< 5	230	< 0.5	4	0.64	0.5	18	172	39	3.90	< 10	< 1	0.13	10	0.73	520
L10+00N 1+50W	203	238	< 5	1.03	< 0.2	< 5	80	< 0.5	2	0.36	< 0.5	7	92	12	2.28	< 10	< 1	0.06	10	0.32	180
L10+00N 2+00W	203	238	< 5	1.81	< 0.2	< 5	190	< 0.5	< 2	0.57	0.5	14	182	23	3.26	< 10	< 1	0.09	10	0.55	390
L10+00N 2+50W	203	238	< 5	1.60	< 0.2	15	140	< 0.5	2	0.55	< 0.5	12	122	22	2.99	< 10	< 1	0.10	10	0.43	265
L10+00N 3+00W	203	238	< 5	1.35	< 0.2	5	100	< 0.5	< 2	0.31	< 0.5	10	134	12	2.74	< 10	< 1	0.06	10	0.24	295
L10+00N 3+50W	203	238	< 5	1.78	< 0.2	< 5	140	< 0.5	< 2	0.39	0.5	12	125	12	2.98	< 10	< 1	0.07	10	0.30	590
L10+00N 4+00W	203	238	< 5	1.72	< 0.2	5	150	< 0.5	2	0.34	< 0.5	12	142	15	2.76	< 10	< 1	0.08	10	0.35	420
L11+00N 0+00W	203	238	< 5	1.04	0.2	< 5	250	< 0.5	2	0.80	2.0	18	143	32	2.48	< 10	< 1	0.07	10	0.31	1265
L11+00N 0+50W	203	238	< 5	1.65	< 0.2	10	150	< 0.5	< 2	0.42	< 0.5	15	114	35	3.12	< 10	< 1	0.07	10	0.58	1250
L11+00N 1+00W	203	238	< 5	1.64	0.2	< 5	170	< 0.5	< 2	0.41	< 0.5	12	127	19	3.11	< 10	1	0.08	10	0.48	235
L11+00N 1+50W	203	238	< 5	1.79	0.2	< 5	180	< 0.5	< 2	0.42	0.5	16	113	25	3.05	< 10	< 1	0.11	10	0.54	850
L11+00N 2+50W	203	238	< 5	1.96	< 0.2	< 5	300	< 0.5	< 2	0.54	0.5	16	124	18	3.22	< 10	< 1	0.13	10	0.50	445
L11+00N 3+00W	203	238	< 5	1.56	< 0.2	10	100	< 0.5	< 2	0.32	< 0.5	11	175	18	2.93	< 10	< 1	0.07	10	0.37	245
L11+00N 3+50W	203	238	< 5	1.45	0.2	5	150	< 0.5	< 2	0.54	< 0.5	14	128	20	2.75	< 10	< 1	0.08	10	0.51	1390
L11+00N 4+00W	203	238	135	1.15	< 0.2	< 5	120	< 0.5	< 2	0.40	< 0.5	10	175	17	3.26	< 10	1	0.06	10	0.40	290
L12+00N 0+00E	203	238	< 5	1.15	0.4	< 5	110	< 0.5	< 2	0.47	0.5	10	133	25	1.98	< 10	< 1	0.08	10	0.36	280
L12+00N 0+25E	203	238	< 5	1.43	< 0.2	5	190	< 0.5	< 2	0.34	< 0.5	12	111	17	2.53	< 10	< 1	0.07	10	0.35	820
L12+00N 0+50E	203	238	25	1.46	< 0.2	5	160	< 0.5	< 2	0.43	< 0.5	11	100	21	2.80	< 10	< 1	0.11	10	0.50	410
L12+00N 0+75E	203	238	< 5	1.82	0.2	5	200	0.5	2	0.70	< 0.5	17	131	33	3.67	< 10	< 1	0.08	20	0.66	460
L12+00N 1+00E	203	238	10	1.53	0.2	5	150	< 0.5	< 2	0.52	< 0.5	17	102	25	3.00	< 10	1	0.07	10	0.55	2120
L12+00N 0+50W	203	238	20	1.41	< 0.2	< 5	150	< 0.5	< 2	0.33	< 0.5	12	119	18	2.51	< 10	< 1	0.05	10	0.38	310
L12+00N 1+00W	203	238	< 5	0.89	< 0.2	5	90	< 0.5	< 2	0.27	< 0.5	6	123	9	1.87	< 10	< 1	0.06	10	0.17	145
L12+00N 1+50W	203	238	< 5	1.62	0.2	10	120	< 0.5	< 2	0.46	< 0.5	14	231	24	3.45	< 10	< 1	0.11	10	0.52	300

CERTIFICATION : B. Campbell

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

To: RK MANAGEMENT LIMITED
1900 - 999 W. HASTINGS ST.
VANCOUVER, BC
V6C 2W2

Project : KANGELD/DEACON CK.
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L8+00N 1+00W	203	238	1	0.01	40	590	8	< 5	5	44	0.11	< 10	< 10	83	< 10	66
L8+00N 1+50W	203	238	1	0.01	21	1140	32	< 5	3	23	0.09	< 10	< 10	52	< 10	56
L8+00N 2+00W	203	238	< 1	0.02	24	420	6	< 5	3	38	0.11	< 10	< 10	56	< 10	68
L8+00N 2+50W	203	238	1	0.01	26	610	4	< 5	3	32	0.12	< 10	< 10	63	< 10	60
L8+00N 3+00W	203	238	< 1	0.01	19	1350	10	< 5	3	33	0.11	< 10	< 10	55	< 10	72
L8+00N 3+50W	203	238	1	0.01	12	420	4	< 5	3	32	0.12	< 10	< 10	49	< 10	46
L9+00N 0+00W	203	238	< 1	0.01	21	1480	10	< 5	4	27	0.12	< 10	< 10	69	< 10	90
L9+00N 0+50W	203	238	1	0.01	36	770	8	< 5	4	38	0.11	< 10	< 10	73	< 10	86
L9+00N 1+00W	203	238	< 1	0.02	91	1180	< 2	5	9	52	0.18	< 10	< 10	107	< 10	112
L9+00N 1+50W	203	238	< 1	0.01	30	650	< 2	< 5	4	36	0.09	< 10	< 10	64	< 10	42
L9+00N 2+00W	203	238	< 1	0.02	16	390	4	< 5	3	28	0.14	< 10	< 10	79	< 10	54
L9+00N 2+50W	203	238	< 1	0.01	20	2040	4	< 5	4	26	0.11	< 10	< 10	66	< 10	108
L9+00N 3+00W	203	238	1	0.02	33	970	< 2	< 5	4	36	0.13	< 10	< 10	73	< 10	88
L9+00N 3+50W	203	238	1	0.01	31	1020	10	< 5	4	35	0.12	< 10	< 10	71	< 10	74
L9+00N 4+00W	203	238	< 1	0.01	19	1530	10	< 5	3	23	0.11	< 10	< 10	64	< 10	128
L10+00N 0+00W	203	238	< 1	0.01	19	750	8	< 5	3	21	0.10	< 10	< 10	68	< 10	86
L10+00N 0+50W	203	238	1	0.02	37	910	8	< 5	4	36	0.12	< 10	< 10	88	< 10	78
L10+00N 1+00W	203	238	1	0.02	43	840	8	< 5	5	51	0.12	< 10	< 10	97	< 10	88
L10+00N 1+50W	203	238	1	0.02	14	270	8	< 5	3	27	0.11	< 10	< 10	77	< 10	46
L10+00N 2+00W	203	238	1	0.02	35	1300	6	< 5	5	39	0.13	< 10	< 10	85	< 10	148
L10+00N 2+50W	203	238	< 1	0.02	27	1020	6	< 5	4	38	0.11	< 10	< 10	78	< 10	94
L10+00N 3+00W	203	238	1	0.01	22	1470	6	< 5	3	24	0.10	< 10	< 10	77	< 10	86
L10+00N 3+50W	203	238	< 1	0.02	20	1760	6	< 5	4	28	0.13	< 10	< 10	84	< 10	138
L10+00N 4+00W	203	238	< 1	0.01	25	1540	6	< 5	4	25	0.11	< 10	< 10	72	< 10	124
L11+00N 0+00W	203	238	1	0.01	31	450	4	5	3	71	0.08	< 10	< 10	65	< 10	116
L11+00N 0+50W	203	238	2	0.01	45	340	4	5	8	39	0.09	< 10	< 10	87	< 10	64
L11+00N 1+00W	203	238	< 1	0.01	33	1810	< 2	5	4	32	0.11	< 10	< 10	74	< 10	96
L11+00N 1+50W	203	238	< 1	0.01	32	920	< 2	< 5	5	41	0.12	< 10	< 10	71	< 10	130
L11+00N 2+50W	203	238	1	0.02	28	2420	< 2	< 5	5	37	0.12	< 10	< 10	73	< 10	212
L11+00N 3+00W	203	238	1	0.02	24	1150	2	< 5	4	25	0.12	< 10	< 10	75	< 10	118
L11+00N 3+50W	203	238	1	0.02	32	290	< 2	< 5	5	37	0.11	< 10	< 10	78	< 10	72
L11+00N 4+00W	203	238	1	0.01	27	1060	4	< 5	4	50	0.11	< 10	< 10	97	< 10	94
L12+00N 0+00E	203	238	< 1	0.02	32	240	< 2	< 5	5	36	0.09	< 10	< 10	58	< 10	40
L12+00N 0+25E	203	238	< 1	0.01	24	1450	4	< 5	4	25	0.10	< 10	< 10	63	< 10	94
L12+00N 0+50E	203	238	1	0.02	29	1120	2	< 5	5	36	0.12	< 10	< 10	74	< 10	94
L12+00N 0+75E	203	238	< 1	0.01	45	720	< 2	5	8	51	0.09	< 10	< 10	86	< 10	84
L12+00N 1+00E	203	238	1	0.01	40	530	2	< 5	5	44	0.08	< 10	< 10	74	< 10	82
L12+00N 0+50W	203	238	< 1	0.01	29	1200	< 2	< 5	4	23	0.08	< 10	< 10	58	< 10	76
L12+00N 1+00W	203	238	< 1	0.02	11	800	2	< 5	2	24	0.12	< 10	< 10	57	< 10	48
L12+00N 1+50W	203	238	1	0.03	43	850	< 2	5	4	34	0.12	< 10	< 10	94	< 10	112

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

To: [illegible] K MANAGEMENT LIMITED

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

Project : KANGELD/DEACON CK.
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Page No. [illegible] -A
Tot. Pages: 5
Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

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
L12+00N 2+00W	203 238	< 5	1.10	< 0.2	5	140	< 0.5	< 2	0.42	0.5	13	177	18	3.03	< 10	< 1	0.08	10	0.35	575
L12+00N 2+50W	203 238	< 5	1.44	< 0.2	5	180	< 0.5	< 2	0.43	< 0.5	14	190	22	2.93	< 10	< 1	0.13	10	0.47	315
L12+00N 3+00W	203 238	< 5	2.06	0.6	5	230	< 0.5	< 2	0.80	0.5	17	108	55	3.53	< 10	< 1	0.12	20	0.66	1135
L12+00N 3+50W	203 238	70	1.55	< 0.2	5	120	< 0.5	< 2	0.33	< 0.5	9	146	15	2.73	< 10	< 1	0.06	10	0.30	165
L12+00N 4+00W	203 238	< 5	1.14	< 0.2	< 5	100	< 0.5	< 2	0.41	< 0.5	10	97	13	2.32	< 10	< 1	0.07	10	0.36	275
L13+00N 0+50W	203 238	< 5	1.40	< 0.2	10	130	< 0.5	< 2	0.35	< 0.5	12	150	13	2.50	< 10	< 1	0.06	10	0.33	285
L13+00N 1+00W	203 238	< 5	1.03	0.2	< 5	110	< 0.5	< 2	0.36	0.5	9	140	10	2.28	< 10	< 1	0.08	10	0.22	530
L13+00N 1+50W	203 238	< 5	2.52	< 0.2	< 5	180	< 0.5	2	1.24	< 0.5	25	285	136	4.51	10	< 1	0.12	10	1.70	985
L13+00N 2+00W	203 238	< 5	1.98	< 0.2	< 5	220	< 0.5	< 2	0.42	0.5	12	102	14	2.88	< 10	< 1	0.11	10	0.32	180
L13+00N 2+50W	203 238	< 5	1.85	< 0.2	15	130	< 0.5	< 2	0.42	< 0.5	11	163	12	2.92	< 10	< 1	0.09	10	0.30	275
L13+00N 3+00W	203 238	< 5	1.84	< 0.2	5	190	< 0.5	< 2	0.35	< 0.5	11	98	11	2.90	< 10	1	0.10	10	0.28	310
L13+00N 3+50W	203 238	< 5	2.10	< 0.2	5	160	0.5	< 2	0.27	< 0.5	13	113	13	3.19	< 10	< 1	0.07	10	0.37	345
L13+00N 4+00W	203 238	< 5	1.23	< 0.2	< 5	100	< 0.5	< 2	0.43	< 0.5	11	111	19	2.82	< 10	< 1	0.07	10	0.48	285
L14+00N 2+50E	203 238	< 5	2.02	< 0.2	< 5	140	< 0.5	< 2	0.32	< 0.5	11	97	16	2.96	< 10	< 1	0.05	10	0.40	210
L14+00N 2+75E	203 238	< 5	1.30	< 0.2	< 5	70	< 0.5	< 2	0.39	< 0.5	9	78	16	1.98	< 10	< 1	0.07	10	0.49	215
L14+00N 3+00E	203 238	< 5	1.32	< 0.2	< 5	100	< 0.5	< 2	0.38	< 0.5	10	142	13	2.02	< 10	< 1	0.06	10	0.43	355
L14+00N 3+25E	203 238	< 5	1.68	< 0.2	< 5	110	< 0.5	< 2	0.41	< 0.5	13	99	24	2.97	< 10	< 1	0.08	10	0.59	275
L14+00N 3+50E	203 238	< 5	1.95	< 0.2	< 5	120	< 0.5	2	0.50	< 0.5	12	95	12	2.71	< 10	1	0.07	10	0.48	215
L14+00N 3+75E	203 238	< 5	3.48	0.2	< 5	280	0.5	< 2	0.81	< 0.5	16	127	71	3.96	< 10	< 1	0.10	20	0.80	640
L14+00N 0+25W	203 238	< 5	1.81	< 0.2	< 5	140	< 0.5	4	0.42	< 0.5	11	214	19	3.94	< 10	< 1	0.07	10	0.39	350
L14+00N 0+50W	203 238	< 5	1.64	< 0.2	5	130	0.5	< 2	0.42	< 0.5	14	183	27	4.22	< 10	< 1	0.08	10	0.50	535
L14+00N 0+75W	203 238	< 5	1.49	< 0.2	< 5	110	< 0.5	< 2	0.33	< 0.5	10	152	12	2.96	< 10	< 1	0.06	10	0.27	225
L14+00N 1+00W	203 238	< 5	1.48	< 0.2	< 5	120	< 0.5	< 2	0.34	< 0.5	10	224	14	2.48	< 10	< 1	0.06	10	0.31	195
L14+00N 1+25W	203 238	< 5	2.03	< 0.2	5	120	< 0.5	6	0.43	< 0.5	15	133	47	4.38	< 10	< 1	0.08	10	0.81	410
L14+00N 1+50W	203 238	< 5	1.21	< 0.2	< 5	130	< 0.5	< 2	0.37	< 0.5	13	283	17	3.29	< 10	1	0.06	10	0.26	555
L14+00N 1+75W	203 238	< 5	1.80	0.2	< 5	190	< 0.5	< 2	0.41	< 0.5	11	125	13	2.74	< 10	< 1	0.09	10	0.26	190
L14+00N 2+00W	203 238	< 5	1.61	< 0.2	10	160	0.5	< 2	0.44	< 0.5	14	266	21	3.03	< 10	1	0.08	10	0.45	520
L14+00N 2+25W	203 238	< 5	1.93	< 0.2	< 5	160	< 0.5	< 2	0.33	< 0.5	11	138	16	2.68	< 10	1	0.08	10	0.37	185
L14+00N 2+50W	203 238	< 5	1.38	0.2	< 5	110	< 0.5	2	0.46	< 0.5	8	167	17	2.21	< 10	< 1	0.07	10	0.49	230
L14+00N 2+75W	203 238	< 5	1.43	< 0.2	10	110	< 0.5	< 2	0.41	< 0.5	10	160	14	2.16	< 10	< 1	0.09	10	0.44	325
L14+00N 3+00W	203 238	< 5	1.75	0.2	< 5	130	< 0.5	2	0.44	< 0.5	11	262	16	2.63	< 10	< 1	0.09	10	0.44	275
L14+00N 3+25W	203 238	< 5	1.43	0.2	5	110	< 0.5	< 2	0.43	< 0.5	9	137	12	2.20	< 10	< 1	0.08	10	0.40	205
L14+00N 3+50W	203 238	< 5	1.33	0.2	< 5	110	< 0.5	2	0.44	< 0.5	10	188	15	2.14	< 10	< 1	0.08	10	0.46	250
L14+00N 3+75W	203 238	< 5	1.43	0.2	< 5	110	0.5	2	0.44	< 0.5	10	152	18	1.96	< 10	< 1	0.10	10	0.48	330
L14+00N 4+00W	203 238	< 5	1.19	0.2	< 5	100	< 0.5	< 2	0.42	< 0.5	9	252	13	1.96	< 10	< 1	0.08	10	0.36	275
L15+00N 3+50E	203 238	< 5	1.27	0.2	< 5	120	< 0.5	< 2	0.44	< 0.5	14	126	13	1.90	< 10	< 1	0.08	10	0.40	320
L15+00N 3+75E	203 238	< 5	1.29	0.2	5	110	< 0.5	< 2	0.48	< 0.5	10	187	16	2.41	< 10	< 1	0.10	10	0.43	245
L15+00N 4+00E	203 238	< 5	1.33	0.2	< 5	110	< 0.5	< 2	0.39	< 0.5	11	157	15	2.47	< 10	< 1	0.08	10	0.39	230
L15+00N 0+25W	203 238	< 5	1.68	< 0.2	< 5	130	0.5	< 2	0.45	< 0.5	14	314	26	3.45	< 10	< 1	0.10	10	0.51	510
L15+00N 0+50W	203 238	< 5	1.77	< 0.2	5	130	0.5	< 2	0.33	< 0.5	12	179	17	3.39	< 10	< 1	0.07	10	0.37	340

CERTIFICATION : B. Caughlin

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To : .K MANAGEMENT LIMITED

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SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L12+00N 2+00W	203 238	1	0.02	22	510	6	< 5	4	35	0.12	< 10	< 10	89	< 10	102
L12+00N 2+50W	203 238	< 1	0.03	29	510	< 2	< 5	4	42	0.13	< 10	< 10	74	< 10	84
L12+00N 3+00W	203 238	1	0.02	42	460	< 2	5	10	64	0.09	< 10	< 10	77	< 10	86
L12+00N 3+50W	203 238	1	0.02	18	640	< 2	< 5	4	35	0.12	< 10	< 10	80	< 10	88
L12+00N 4+00W	203 238	< 1	0.02	20	350	< 2	< 5	3	31	0.12	< 10	< 10	67	< 10	56
L13+00N 0+50W	203 238	1	0.02	21	860	< 2	5	3	26	0.10	< 10	< 10	71	< 10	110
L13+00N 1+00W	203 238	< 1	0.02	13	470	< 2	5	3	30	0.13	< 10	< 10	72	< 10	80
L13+00N 1+50W	203 238	< 1	0.02	36	1070	< 2	< 5	17	304	0.21	< 10	< 10	107	< 10	162
L13+00N 2+00W	203 238	< 1	0.02	24	2030	< 2	< 5	5	40	0.14	< 10	< 10	74	< 10	128
L13+00N 2+50W	203 238	< 1	0.02	20	1690	< 2	< 5	4	34	0.14	< 10	< 10	81	< 10	136
L13+00N 3+00W	203 238	1	0.01	19	2870	< 2	< 5	4	27	0.11	< 10	< 10	72	< 10	120
L13+00N 3+50W	203 238	1	0.01	28	2170	2	5	4	21	0.11	< 10	< 10	75	< 10	158
L13+00N 4+00W	203 238	< 1	0.01	28	650	2	< 5	3	27	0.10	< 10	< 10	76	< 10	78
L14+00N 2+50E	203 238	< 1	0.01	26	2580	8	< 5	4	24	0.10	< 10	< 10	67	< 10	102
L14+00N 2+75E	203 238	< 1	0.02	23	510	2	< 5	3	27	0.11	< 10	< 10	54	< 10	54
L14+00N 3+00E	203 238	1	0.02	19	420	2	< 5	3	31	0.12	< 10	< 10	56	< 10	58
L14+00N 3+25E	203 238	1	0.02	31	960	4	< 5	4	32	0.14	< 10	< 10	78	< 10	78
L14+00N 3+50E	203 238	< 1	0.01	26	1680	2	< 5	4	39	0.13	< 10	< 10	69	< 10	100
L14+00N 3+75E	203 238	1	0.02	59	380	8	5	11	69	0.12	< 10	< 10	101	< 10	60
L14+00N 0+25W	203 238	2	0.02	28	1500	6	5	4	34	0.13	< 10	< 10	112	< 10	124
L14+00N 0+50W	203 238	1	0.02	34	1630	6	< 5	5	31	0.12	< 10	< 10	120	< 10	108
L14+00N 0+75W	203 238	2	0.02	15	890	6	< 5	4	27	0.13	< 10	< 10	87	< 10	108
L14+00N 1+00W	203 238	< 1	0.02	20	870	6	< 5	4	31	0.13	< 10	< 10	69	< 10	108
L14+00N 1+25W	203 238	1	0.02	26	630	< 2	< 5	11	34	0.09	< 10	< 10	131	< 10	102
L14+00N 1+50W	203 238	1	0.02	19	860	8	< 5	3	30	0.12	< 10	< 10	94	< 10	114
L14+00N 1+75W	203 238	< 1	0.02	27	2140	4	< 5	4	28	0.10	< 10	< 10	70	< 10	100
L14+00N 2+00W	203 238	1	0.03	30	1390	4	< 5	4	29	0.11	< 10	< 10	78	< 10	84
L14+00N 2+25W	203 238	1	0.02	28	1410	2	< 5	4	30	0.12	< 10	< 10	65	< 10	90
L14+00N 2+50W	203 238	< 1	0.03	26	410	8	< 5	4	38	0.13	< 10	< 10	64	< 10	58
L14+00N 2+75W	203 238	1	0.03	22	450	2	< 5	4	37	0.13	< 10	< 10	61	< 10	72
L14+00N 3+00W	203 238	1	0.03	29	770	4	5	4	37	0.14	< 10	< 10	70	< 10	92
L14+00N 3+25W	203 238	< 1	0.02	20	590	2	< 5	4	36	0.14	< 10	< 10	62	< 10	64
L14+00N 3+50W	203 238	< 1	0.03	25	340	2	< 5	4	36	0.12	< 10	< 10	60	< 10	64
L14+00N 3+75W	203 238	< 1	0.03	26	330	6	< 5	4	37	0.11	< 10	< 10	54	< 10	54
L14+00N 4+00W	203 238	1	0.03	19	460	4	< 5	3	36	0.12	< 10	< 10	55	< 10	52
L15+00N 3+50E	203 238	< 1	0.02	22	480	2	< 5	4	36	0.12	< 10	< 10	55	< 10	60
L15+00N 3+75E	203 238	< 1	0.03	27	400	2	< 5	4	37	0.14	< 10	< 10	68	< 10	54
L15+00N 4+00E	203 238	1	0.02	23	550	2	< 5	4	35	0.13	< 10	< 10	68	< 10	58
L15+00N 0+25W	203 238	2	0.03	34	1170	6	< 5	5	39	0.11	< 10	< 10	103	< 10	110
L15+00N 0+50W	203 238	1	0.02	25	1520	< 2	< 5	4	25	0.11	< 10	< 10	91	< 10	164

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: [illegible]AK MANAGEMENT LIMITED

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

Project : KANGELD/DEACON CK.
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

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
L15+00N 1+25W	203	238	< 5	1.49	0.2	< 5	120	0.5	< 2	0.48	< 0.5	12	318	25	3.32	< 10	< 1	0.09	10	0.54	300
L15+00N 1+50W	203	238	< 5	1.43	0.2	< 5	120	< 0.5	< 2	0.41	< 0.5	11	174	17	2.23	< 10	1	0.08	10	0.45	300
L15+00N 1+75W	203	238	< 5	1.46	0.2	< 5	100	< 0.5	2	0.39	< 0.5	8	93	16	2.27	< 10	1	0.08	10	0.45	245
L15+00N 2+00W	203	238	< 5	1.63	0.2	5	130	0.5	< 2	0.38	< 0.5	14	102	24	2.45	< 10	< 1	0.08	10	0.56	525
L15+00N 2+25W	203	238	< 5	1.28	0.2	< 5	100	< 0.5	2	0.34	< 0.5	10	110	17	2.16	< 10	< 1	0.07	10	0.45	275
L15+00N 2+50W	203	238	< 5	0.92	0.2	< 5	70	< 0.5	2	0.33	< 0.5	6	113	8	1.47	< 10	< 1	0.04	10	0.26	135
L15+00N 2+75W	203	238	< 5	1.28	0.2	< 5	90	< 0.5	2	0.34	< 0.5	9	102	15	2.12	< 10	< 1	0.04	10	0.40	195
L15+00N 3+00W	203	238	< 5	1.07	< 0.2	5	110	< 0.5	< 2	0.32	< 0.5	9	139	14	2.08	< 10	< 1	0.06	10	0.35	225
L15+00N 3+25W	203	238	< 5	1.36	0.2	5	110	0.5	< 2	0.38	< 0.5	11	112	19	2.33	< 10	< 1	0.07	10	0.51	275
L15+00N 3+50W	203	238	< 5	1.48	0.4	< 5	110	0.5	2	0.44	< 0.5	13	130	23	2.70	< 10	< 1	0.11	10	0.56	310
L15+00N 3+75W	203	238	< 5	1.90	0.4	< 5	140	0.5	2	0.43	< 0.5	12	135	22	2.62	10	< 1	0.10	10	0.56	530
L15+00N 4+00W	203	238	< 5	1.90	0.2	10	120	0.5	< 2	0.38	< 0.5	12	122	19	2.90	< 10	< 1	0.07	10	0.42	215
L16+00N 0+25W	203	238	< 5	1.74	0.2	< 5	100	0.5	2	0.30	< 0.5	11	93	13	2.74	< 10	< 1	0.05	10	0.33	305
L16+00N 0+50W	203	238	< 5	1.48	0.2	< 5	220	< 0.5	4	0.66	0.5	15	160	23	3.18	< 10	< 1	0.08	10	0.40	515
L16+00N 1+00W	203	238	< 5	1.77	0.2	< 5	120	0.5	4	0.54	< 0.5	13	127	24	2.74	< 10	< 1	0.10	10	0.66	565
L16+00N 1+25W	203	238	< 5	1.33	< 0.2	5	100	< 0.5	2	0.47	< 0.5	11	123	18	2.50	< 10	< 1	0.07	10	0.52	255
L16+00N 1+50W	203	238	< 5	1.57	0.2	< 5	120	< 0.5	2	0.38	< 0.5	12	89	19	2.15	< 10	< 1	0.07	10	0.49	470
L16+00N 1+75W	203	238	< 5	1.41	0.2	5	80	< 0.5	< 2	0.38	< 0.5	10	93	16	2.07	< 10	< 1	0.06	10	0.44	310
L16+00N 2+00W	203	238	< 5	1.44	0.2	< 5	120	< 0.5	< 2	0.41	< 0.5	14	103	16	2.34	< 10	< 1	0.08	20	0.49	530
L16+00N 2+25W	203	238	< 5	1.50	< 0.2	< 5	120	< 0.5	2	0.40	< 0.5	15	93	23	2.58	< 10	< 1	0.09	10	0.59	520
L16+00N 2+50W	203	238	< 5	1.38	< 0.2	< 5	120	< 0.5	< 2	0.40	< 0.5	10	179	17	2.24	< 10	< 1	0.08	10	0.45	295
L16+00N 2+75W	203	238	< 5	1.36	< 0.2	< 5	90	< 0.5	< 2	0.31	< 0.5	8	86	10	2.22	< 10	< 1	0.05	10	0.25	170
L16+00N 3+00W	203	238	< 5	1.28	< 0.2	< 5	110	< 0.5	< 2	0.41	< 0.5	11	87	14	2.20	< 10	< 1	0.08	10	0.32	695
L16+00N 3+25W	203	238	< 5	2.14	0.2	< 5	120	< 0.5	< 2	0.53	< 0.5	14	114	25	3.34	< 10	< 1	0.13	10	0.57	280
L16+00N 3+50W	203	238	< 5	2.07	< 0.2	< 5	130	< 0.5	2	0.40	0.5	15	92	25	3.35	< 10	< 1	0.10	10	0.60	335
L16+00N 3+75W	203	238	>10000	1.49	0.2	< 5	120	< 0.5	< 2	0.36	< 0.5	10	93	19	2.51	< 10	< 1	0.05	10	0.44	240
L16+00N 4+00W	203	238	< 5	1.43	< 0.2	< 5	120	< 0.5	2	0.42	< 0.5	10	98	19	2.51	< 10	< 1	0.08	10	0.53	270
L17+00N 0+00E	203	238	< 5	4.31	1.0	< 5	470	0.5	2	1.00	2.0	30	137	112	6.48	10	< 1	0.22	20	1.10	2820
L17+00N 0+25E	203	238	< 5	4.69	1.0	< 5	580	0.5	< 2	0.93	2.5	43	153	140	7.86	10	< 1	0.21	20	1.08	4900
L17+00N 0+50E	203	238	< 5	1.05	< 0.2	5	100	< 0.5	< 2	0.28	< 0.5	7	99	16	2.37	< 10	1	0.07	10	0.25	185
L17+00N 0+75E	203	238	< 5	1.35	< 0.2	< 5	120	< 0.5	< 2	0.33	< 0.5	10	83	17	2.62	< 10	1	0.06	10	0.33	235
L17+00N 1+00E	203	238	< 5	1.39	< 0.2	< 5	150	0.5	2	0.40	0.5	12	164	21	2.85	< 10	< 1	0.08	10	0.39	360
L17+00N 0+25W	203	238	< 5	0.88	< 0.2	< 5	120	< 0.5	< 2	0.38	< 0.5	7	104	14	2.44	< 10	< 1	0.06	10	0.26	200
L17+00N 0+50W	203	238	< 5	1.70	< 0.2	< 5	190	< 0.5	2	0.58	0.5	15	160	58	2.57	< 10	1	0.10	20	0.67	540
L17+00N 1+00W	203	238	< 5	1.92	0.2	5	140	0.5	2	0.49	< 0.5	17	104	33	3.21	< 10	< 1	0.10	10	0.73	335
L17+00N 1+25W	203	238	< 5	1.69	< 0.2	< 5	100	0.5	< 2	0.45	< 0.5	12	100	29	2.62	< 10	1	0.05	10	0.56	250
L17+00N 1+50W	203	238	< 5	1.85	< 0.2	< 5	120	0.5	< 2	0.42	< 0.5	12	87	20	2.32	< 10	< 1	0.08	10	0.49	315
L17+00N 1+75W	203	238	< 5	2.14	0.2	< 5	130	0.5	2	0.40	< 0.5	15	117	29	3.43	10	< 1	0.10	10	0.70	305
L17+00N 2+00W	203	238	< 5	1.50	< 0.2	10	110	< 0.5	2	0.49	< 0.5	15	105	21	2.69	< 10	< 1	0.11	10	0.59	430
L17+00N 2+25W	203	238	50	1.47	0.2	5	120	< 0.5	< 2	0.53	< 0.5	12	138	20	2.49	< 10	1	0.13	10	0.61	390

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

To: (C).K MANAGEMENT LIMITED

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

Project : KANGELD/DEACON CK.
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L15+00N 1+25W	203 238	1	0.03	34	730	8	< 5	5	39	0.11	< 10	< 10	96	< 10	82
L15+00N 1+50W	203 238	< 1	0.03	28	260	< 2	< 5	4	35	0.12	< 10	< 10	62	< 10	66
L15+00N 1+75W	203 238	1	0.01	26	620	< 2	< 5	3	28	0.11	< 10	< 10	61	< 10	86
L15+00N 2+00W	203 238	1	0.01	29	550	< 2	< 5	4	31	0.09	< 10	< 10	59	< 10	76
L15+00N 2+25W	203 238	1	0.02	22	390	8	5	4	28	0.12	< 10	< 10	57	< 10	62
L15+00N 2+50W	203 238	< 1	0.02	12	260	6	< 5	2	24	0.11	< 10	< 10	45	< 10	42
L15+00N 2+75W	203 238	< 1	0.02	23	610	< 2	< 5	3	24	0.10	< 10	< 10	55	< 10	70
L15+00N 3+00W	203 238	< 1	0.02	19	340	2	< 5	3	27	0.11	< 10	< 10	56	< 10	54
L15+00N 3+25W	203 238	< 1	0.02	28	360	< 2	< 5	4	31	0.12	< 10	< 10	61	< 10	64
L15+00N 3+50W	203 238	< 1	0.02	31	480	8	< 5	4	38	0.14	< 10	< 10	70	< 10	64
L15+00N 3+75W	203 238	1	0.02	33	460	4	< 5	5	36	0.13	< 10	< 10	70	< 10	92
L15+00N 4+00W	203 238	1	0.01	33	1390	2	< 5	4	29	0.11	< 10	< 10	70	< 10	116
L16+00N 0+25W	203 238	1	0.01	17	1470	4	5	3	21	0.11	< 10	< 10	71	< 10	142
L16+00N 0+50W	203 238	1	0.02	29	280	4	5	4	50	0.11	< 10	< 10	95	< 10	110
L16+00N 1+00W	203 238	1	0.02	34	590	< 2	< 5	5	39	0.13	< 10	< 10	72	< 10	86
L16+00N 1+25W	203 238	< 1	0.02	29	650	6	5	4	36	0.13	< 10	< 10	66	< 10	84
L16+00N 1+50W	203 238	< 1	0.01	21	520	2	< 5	4	31	0.11	< 10	< 10	60	< 10	68
L16+00N 1+75W	203 238	< 1	0.02	21	530	< 2	< 5	4	29	0.12	< 10	< 10	58	< 10	56
L16+00N 2+00W	203 238	< 1	0.02	25	380	6	5	4	35	0.14	< 10	< 10	66	< 10	64
L16+00N 2+25W	203 238	< 1	0.02	31	460	14	< 5	5	36	0.11	< 10	< 10	68	< 10	58
L16+00N 2+50W	203 238	1	0.03	28	270	54	< 5	4	33	0.11	< 10	< 10	60	< 10	66
L16+00N 2+75W	203 238	< 1	0.01	16	980	2	< 5	3	23	0.11	< 10	< 10	59	< 10	82
L16+00N 3+00W	203 238	< 1	0.01	19	470	6	< 5	3	34	0.11	< 10	< 10	63	< 10	62
L16+00N 3+25W	203 238	< 1	0.01	42	1390	12	< 5	5	39	0.14	< 10	< 10	79	< 10	94
L16+00N 3+50W	203 238	1	0.01	41	980	< 2	< 5	5	35	0.14	< 10	< 10	76	< 10	90
L16+00N 3+75W	203 238	1	0.01	25	960	< 2	< 5	4	28	0.11	< 10	< 10	66	< 10	66
L16+00N 4+00W	203 238	1	0.02	28	400	< 2	< 5	4	36	0.14	< 10	< 10	67	< 10	70
L17+00N 0+00E	203 238	2	0.01	81	1350	2	< 5	14	79	0.08	< 10	< 10	136	< 10	208
L17+00N 0+25E	203 238	6	0.01	98	1650	6	5	16	80	0.09	< 10	< 10	196	< 10	202
L17+00N 0+50E	203 238	1	0.02	15	990	6	< 5	3	22	0.09	< 10	< 10	63	< 10	64
L17+00N 0+75E	203 238	< 1	0.01	23	1380	2	< 5	3	22	0.09	< 10	< 10	69	< 10	90
L17+00N 1+00E	203 238	1	0.02	24	1140	< 2	< 5	3	30	0.10	< 10	< 10	76	< 10	100
L17+00N 0+25W	203 238	1	0.02	17	810	< 2	< 5	2	27	0.09	< 10	< 10	69	< 10	82
L17+00N 0+50W	203 238	1	0.03	42	390	4	< 5	9	44	0.12	< 10	< 10	69	< 10	68
L17+00N 1+00W	203 238	< 1	0.01	44	970	4	< 5	5	39	0.11	< 10	< 10	75	< 10	86
L17+00N 1+25W	203 238	< 1	0.02	28	850	< 2	< 5	4	36	0.12	< 10	< 10	79	< 10	60
L17+00N 1+50W	203 238	< 1	0.01	28	510	4	< 5	4	34	0.11	< 10	< 10	64	< 10	64
L17+00N 1+75W	203 238	< 1	0.02	40	830	8	< 5	5	38	0.12	< 10	< 10	86	< 10	80
L17+00N 2+00W	203 238	< 1	0.02	33	560	6	< 5	5	39	0.14	< 10	< 10	74	< 10	72
L17+00N 2+25W	203 238	1	0.02	28	590	6	< 5	5	46	0.14	< 10	< 10	71	< 10	62

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

To: RK MANAGEMENT LIMITED

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

Project : KANGELD/DEACON CK.
Comments: ATTN: ART TROUP CC: DAVID NEWTON

Page No. : A
Tot. Pages:
Date : 20-JUL-89
Invoice # : I-8920188
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8920188

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
L17+00N 2+50W	203	238	< 5	1.37	0.2	< 5	130	< 0.5	2	0.42	< 0.5	13	88	20	2.47	< 10	< 1	0.09	10	0.52	490
L17+00N 2+75W	203	238	< 5	1.20	0.2	< 5	160	< 0.5	< 2	0.40	< 0.5	12	91	15	1.82	< 10	< 1	0.07	10	0.39	475
L17+00N 3+00W	203	238	< 5	1.66	0.2	< 5	120	< 0.5	< 2	0.31	< 0.5	12	76	15	2.50	< 10	< 1	0.07	10	0.31	225
L17+00N 3+25W	203	238	15	1.71	< 0.2	5	160	< 0.5	< 2	0.35	< 0.5	12	91	18	2.85	< 10	< 1	0.08	10	0.38	295
L17+00N 3+50W	203	238	< 5	1.61	0.2	10	130	< 0.5	2	0.34	< 0.5	10	85	17	2.83	< 10	< 1	0.08	10	0.43	270
L17+00N 3+75W	203	238	< 5	1.49	0.2	< 5	160	< 0.5	2	0.36	< 0.5	12	120	21	2.82	< 10	< 1	0.10	10	0.48	390
L17+00N 4+00W	203	238	< 5	1.33	< 0.2	< 5	100	< 0.5	< 2	0.31	< 0.5	10	118	14	2.34	< 10	< 1	0.07	10	0.37	185

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Analytical Chemists * Geochemists * Registered Assayers

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Project : KANGELD/DEACON CK
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SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L17+00N 2+50W	203	238	1	0.02	27	260	4	< 5	4	36	0.13	< 10	< 10	66	< 10	64
L17+00N 2+75W	203	238	< 1	0.02	24	210	4	< 5	4	33	0.11	< 10	< 10	52	< 10	56
L17+00N 3+00W	203	238	1	0.01	27	1270	2	< 5	3	23	0.10	< 10	< 10	62	< 10	110
L17+00N 3+25W	203	238	< 1	0.01	28	2290	4	< 5	4	28	0.11	< 10	< 10	67	< 10	106
L17+00N 3+50W	203	238	< 1	0.01	27	1370	2	< 5	4	26	0.12	< 10	< 10	68	< 10	88
L17+00N 3+75W	203	238	1	0.01	33	830	6	< 5	4	30	0.12	< 10	< 10	65	< 10	80
L17+00N 4+00W	203	238	< 1	0.02	23	530	2	< 5	3	25	0.11	< 10	< 10	61	< 10	50

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APPENDIX B

ROCK CHIP SAMPLE RESULTS

CHEMEX LABS LTD.
CERTIFICATES OF ANALYSES

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MARK MANAGEMENT LIMITED
PROJECT : KANGELD/DEACON
P O # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 20-JUL-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
212	7	Geochem Crush,split,pulv -150
238	7	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	7	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	7	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	7	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
938	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	7	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	7	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	7	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	7	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000

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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
DC-DN-89-1	212 238	< 5	3.12	0.2	< 5	100	< 0.5	2	3.13	< 0.5	28	92	183	5.14	10	2	0.07	< 10	2.04	795
DC-DN-89-2	212 238	< 5	2.27	< 0.2	< 5	70	< 0.5	< 2	2.38	< 0.5	39	291	76	4.45	< 10	< 1	0.06	< 10	4.72	610
DC-DN-89-3	212 238	10	2.01	0.2	< 5	230	< 0.5	2	1.68	< 0.5	30	103	124	5.46	< 10	1	0.16	< 10	1.84	800
DC-DN-89-4	212 238	< 5	2.71	< 0.2	5	60	< 0.5	< 2	4.20	< 0.5	45	595	67	4.18	< 10	1	0.10	< 10	6.41	705
DC-DN-89-5	212 238	< 5	2.98	< 0.2	< 5	50	< 0.5	2	2.36	< 0.5	32	143	65	5.45	< 10	< 1	0.05	< 10	2.72	775
DC-DN-89-6	212 238	< 5	2.42	< 0.2	< 5	60	< 0.5	< 2	1.58	< 0.5	26	47	94	5.41	< 10	< 1	0.26	< 10	2.56	815
DC-DN-89-7	212 238	< 5	1.48	< 0.2	5	90	< 0.5	< 2	0.45	< 0.5	12	13	29	3.39	< 10	< 1	0.21	10	0.85	685

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SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
DC-DN-89-1	212	238	1	0.33	45	1760	< 2	5	4	61	0.18	< 10	< 10	169	< 10	86
DC-DN-89-2	212	238	< 1	0.04	290	1140	< 2	5	4	39	0.12	< 10	< 10	130	< 10	44
DC-DN-89-3	212	238	1	0.17	51	1990	< 2	< 5	4	140	0.14	< 10	< 10	146	< 10	76
DC-DN-89-4	212	238	< 1	0.07	417	1150	< 2	5	7	75	0.12	< 10	< 10	68	< 10	48
DC-DN-89-5	212	238	1	0.07	85	1550	2	5	9	296	0.32	< 10	< 10	172	< 10	78
DC-DN-89-6	212	238	< 1	0.09	27	1240	< 2	10	9	98	0.25	< 10	< 10	184	< 10	86
DC-DN-89-7	212	238	< 1	0.09	12	1470	< 2	< 5	6	28	< 0.01	< 10	< 10	91	< 10	50

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