85-810-14023

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

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Geological, Drilling, Physical	$47,567.00

AUTHOR(S) R. J. Johnston SIGNATURE(S) R.J.J.

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED August 7, 1985 YEAR OF WORK 1985

PROPERTY NAME(S) KENA (Cottonwood)

COMMODITIES PRESENT Au, ~~Cu~~

B C MINERAL INVENTORY NUMBER(S), IF KNOWN 82FSW - 237

MINING DIVISION NELSON NTS 82-F/6W, 6E

LATITUDE 49°25'N LONGITUDE 117°16'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 12 units), PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)):

KENA 7, 18-25, GOLD MTN 1-3, 6-8, GOLD MTN. 9Fr., LINDE 1, 2, MAC 1, MAC Fr, KENO, KENA Fr.

OWNER(S)

(1) O. JANOUT (2) LACANA MINING CORPORATION

MAILING ADDRESS

310 - 1509 Martin St.
White Rock, B.C. V4B 3W8

312 - 409 Granville St.
Vancouver, B.C. V6C 1T2

OPERATOR(S) (that is, Company paying for the work)

(1) LACANA MINING CORPORATION (2)

MAILING ADDRESS

312 - 409 Granville St.
Vancouver, B. C. V6C 1T2

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The property is underlain by Lower Jurassic Elise Fm., andesitic flows and tuffs, intruded by various dykes including Silver King Porphyry. The volcanics have been strongly sheared and chloritized and much of the Silver King Porphyry has been sheared or altered to a feldspar-sericitic schist. Gold occurs in silicified fractures associated with a diorite sill.

REFERENCES TO PREVIOUS WORK Assessment Report #09593

(over)

85-810

TABLE OF CONTENTS

FIGURES

SUMMARY

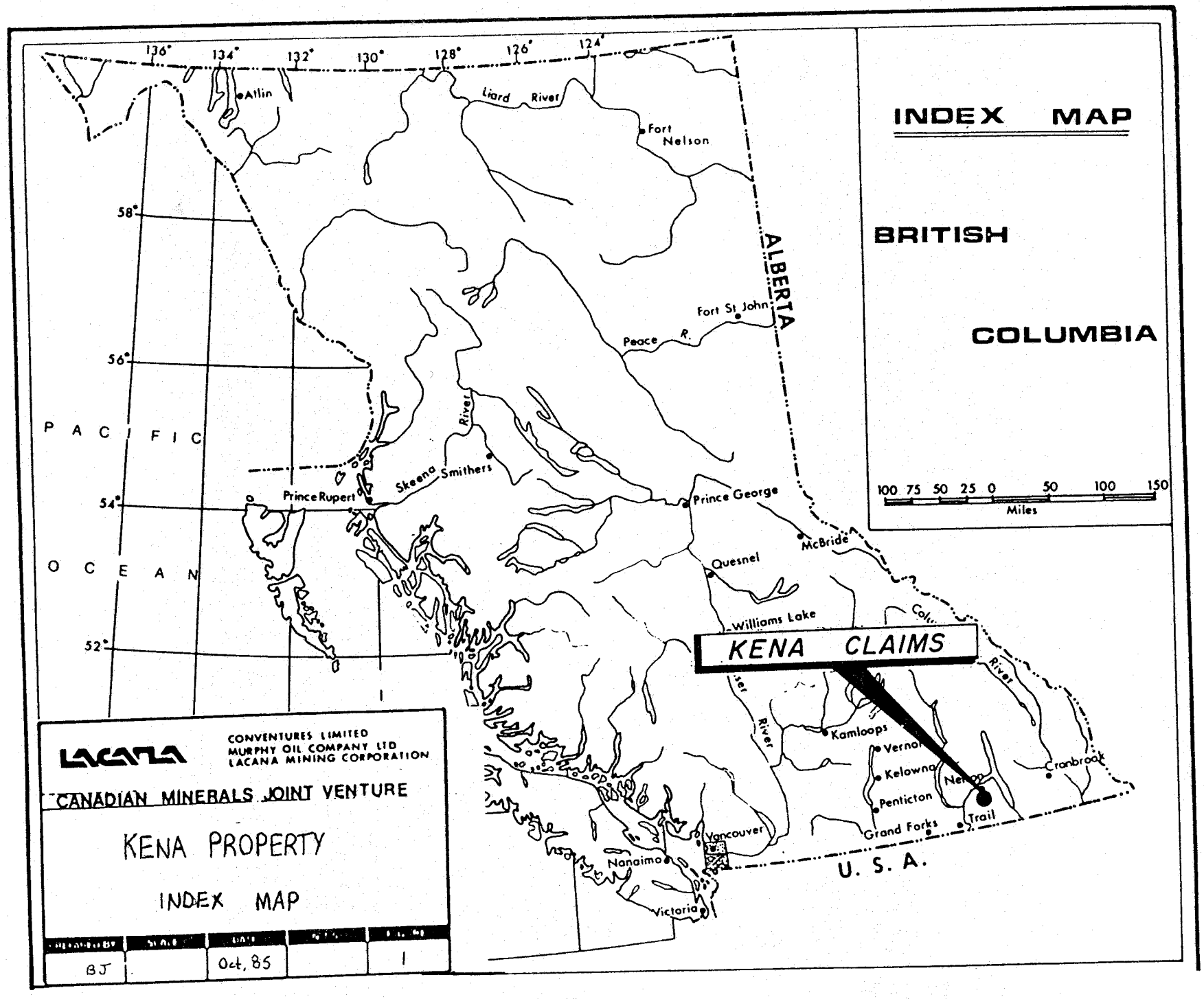
During the early part of the 1985 field season, Lacana Mining Corporation carried out an exploration programme on the KENA property, south of Nelson, B.C.

The properties lies within the Jurassic Elise Fm., being underlain largely by sheared and chloritized andesitic tuffs and flows which have been intruded by various intermediate felsic dykes and sills. The area has a long history of mining, primarily for silver though significant gold has been produced from some mines.

As part of the exploration programme, backhoe trenching and sampling, as well as diamond drilling was carried out.

Although trenching successfully exposed bedrock throughout the area, only those in the vicinity of the main showing yielded interesting gold values.

Interesting results were however encountered in the drill holes. Intersections of up to .118 oz Au over 4.8 m were obtained in silicified fracture zones related to a diorite sill.


INDEX MAP
BRITISH
COLUMBIA
100 75 50 25 0 50 100 150
Miles
KENA CLAIMS
ALBERTA
PACIFIC
OCEAN
U. S. A.
136°
134°
132°
130°
128°
126°
124°
58°
56°
54°
52°
Atlin
Liard River
Fort Nelson
Fort St John
Peace R.
Skeena River
Smithers
Prince Rupert
Prince George
McBride
Quesnel
Williams Lake
Kamloops
Vernon
Kelowna
Penticton
Grand Forks
Trail
Cranbrook
Vancouver
Nanaimo
Victoria
LACANA
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION
CANADIAN MINERALS JOINT VENTURE
KENA PROPERTY
INDEX MAP
BJ
Oct, 85
1

INTRODUCTION

Location and Access

The KENA property is located on the east flank of Toad Mountain, seven km south of the City of Nelson. Gold Creek cuts across the extreme north end of the claim group. The terrain is generally rugged with the main area of 1985 work situated on a bench at 1500 m elevation.

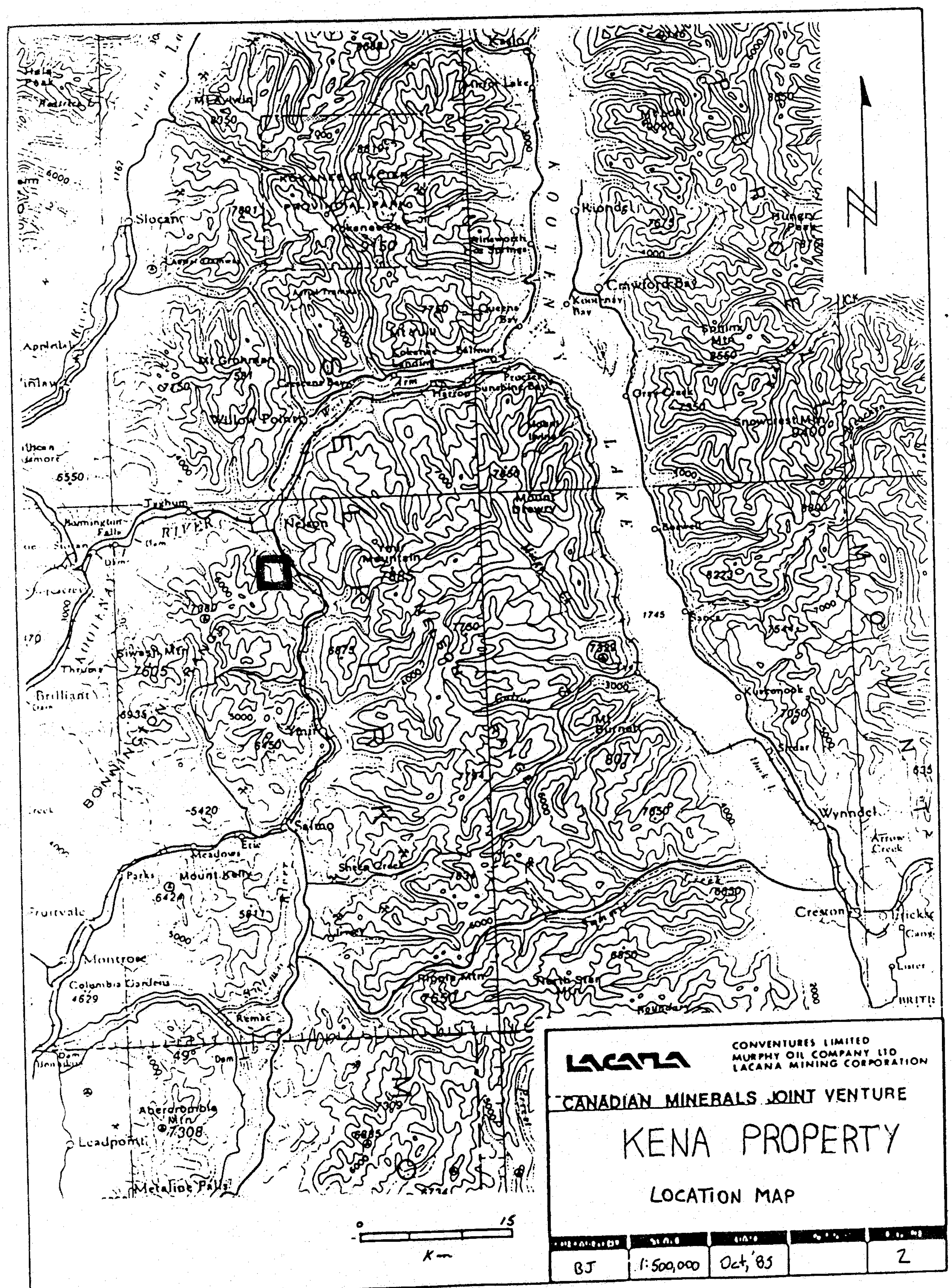
The area is thickly forested with hemlock and cedar. Some small logging operations were carried out in the area, over the summer, including one on the KENA property.

Road access is good, consisting of ten km of logging roads which depart from Highway 6 south of Nelson.

Claims

The KENA property consists of 41 claims, a combination of 2-post, located claims and fractions. All except the KENO claims are owned by Otakar and Otto Janout of White Rock, B.C., and are subject to an option agreement with Lacana Mining Corporation. The KENO Claims are owned outright by Lacana.

Claim Name	Record No.	N. of Units	Record Date
KENA 7	15329	1	Nov 5
KENA 18	15645	1	Nov 4
KENA 19	15646	1	Nov 4
KENA 20	15647	1	Nov 4
KENA 21	15648	1	Nov 4
KENA 22	15649	1	Nov 4
KENA 23	15650	1	Nov 5
KENA 24	15651	1	Nov 5
KENA 25	15652	1	Nov 5
MAC I	1250	20	Sept 18
GOLD MTN	1028	1	May 3
GOLD MTN 1	1027	1	May 3
GOLD MTN 2	1029	1	May 3
GOLD MTN 3	1030	1	May 3
GOLD MTN 9Fr	1049	1	May 22
GOLD MTN 6	1050	1	May 22
GOLD MTN 7	1051	1	May 22
GOLD MTN 8	1052	1	May 22
LINDE 1	3867	1	Aug 11
LINDE 2	3868	1	Aug 11
KENO	3545	9	Nov 25
KENA Fr	4014	1	Feb.



LACANA

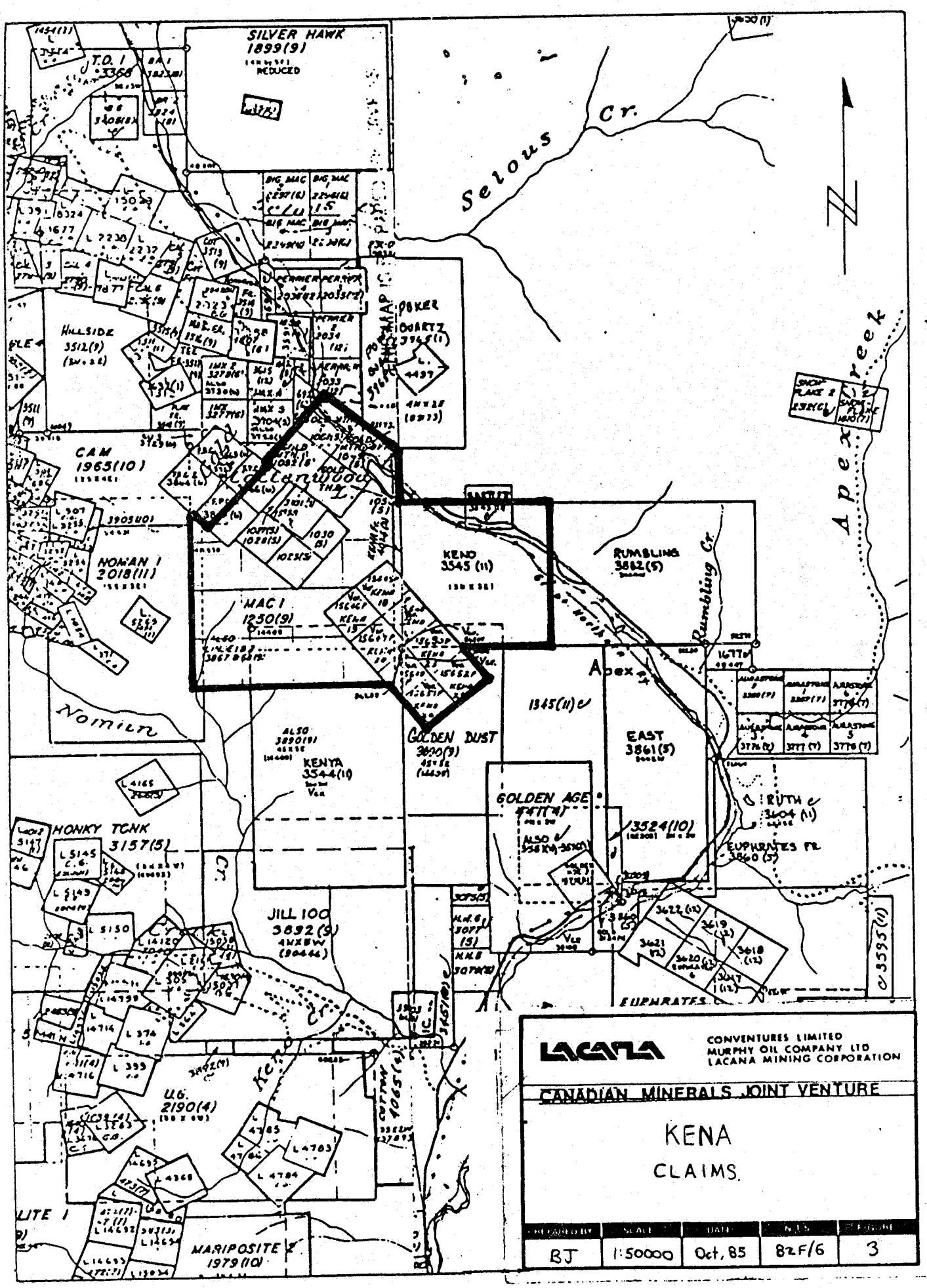
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

KENA PROPERTY

LOCATION MAP

BJ	1:500,000	Oct,'85		2



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CANADIAN MINERALS JOINT VENTURE

KENA

CLAIMS.

DRAWN BY	SCALE	DATE	N.T.S.	FIGURE
BJ	1:50000	Oct, 85	82F/6	3

History

The first mention of mineralization on the KENA claims is a description of the old "Cottonwood Mine" by G.M. Dawson in 1888-1889 G.S.C. Annual Report. These consist of a number of trenches and short adits around the main showing on the KENA 7 claim.

The KENA property was originally staked by the Janouts in 1973. Since that time, the property and claims have changed many times.

The property was worked by Ducanex Resources (a predecessor Lacana J.V. company) in 1974 and 1975 which conducted soil geochem, mapping and percussion drilling over the KENA 7 claim.

From 1975 to 1981, several companies, including Quintana and Shell, worked on the claims, concentrating on a large zone of low-grade copper on the southern part of the property, carrying out mapping and geophysical surveys.

In 1981 Kerr Addison optioned the KENA property. In addition to work on the copper zone, three holes were drilled in the gold zone on the KENA 7 claim. This work was filed as Assessment Report 09593.

GEOLOGY

Regional Geology

A fair representation of the regional geology is given by G.S.C. Map 1517A, Bonnington Map Area, by H.W. Little, 1982. It shows that the area of the KENA property is underlain by Lower Jurassic Elise Formation andesite flows and tuffs, locally intruded by Silver King Porphyry (hornblende quartz diorite). Diorite and granodiorite of the Nelson Batholith outcrop several km to the north.

The rest of the map area consists of Triassic-Jurassic sediments and volcanics intruded by the Nelson Batholith and other smaller intrusions. The area forms part of the southern limb of the Kootenay arc, with the general trend of the bedding running N.W.

The area has been subjected to lower greenschist facies metamorphism and locally intense N.W. trending shearing. A pervasive chloritization has turned most of the volcanics into chloritic schists.

Property Geology

The geology of the KENA property in the area of the 1985 work is made up of an inter-fingered series of pyritic andesitic tuffs and flows. Numerous subcondordant dykes and sills of Silver King Porphyry and local porphyritic andesite, diorite and quartz diorite dykes intrude the volcanics.

The area has been regionally sheared and metamorphosed to lower greenschist facies, producing on surface non-descript chlorite schists. In the drill core textures are easily discernable and a number of volcanic types can be identified.

Volcanics

Unit 1 - Andesite Flows

Massive andesite flows make up Unit 1a. These are medium-dark grey in colour and often contain 1-3 mm white or grey sub-euhedral feldspar grains randomly oriented. Less common, are finer dark green chloritized mafics, probably altered augite. Locally these are coarse and abundant enough for the rock to be termed an augite porphyry. Locally in drill core and on surface, these flows have a rubbly appearance, suggesting a flow top.

Down the hill, about one km east of the area of drilling, less sheared outcrops were readily identified as augite prophyry flows and autobreccias.

Locally these flows are epidotized, (Unit 1b) suggesting seawater alteration. Epidote occurs as fine grained masses and stringers, making up to 10% of the rock. These epidotized flows form discrete and mappable units readily correlatable between drill holes.

Unit 2 - Tuffs

Andesite tuffs (Unit 2a) make up the greater part of the volcanics, at least in the area of drilling. These are generally medium-dark grey, fine grained. A noticeable fabric, usually at high core angles, suggests a moderate westerly dip which agrees with surface observations. Epidotization within the tuffs is less than in other flows.

A number of sub-units were indentified within the tuffs, but these were generally local and not readily correlated between holes and were not designated as separate units.

A felspar crystal tuff is made up of 2-3 mm white sub-euhedral, ocassionally broken feldspar laths, usually well aligned.

A second distinct unit, given the field name 'chlorite fragment tuff' contains fragments of fine grained black chlorite and medium grained euhedral pyrite, which are probably altered volcanic fragments (Lapilli tuff).

Altered fragments range from 2-3 mm to over 3 cm, and make up 2 to 3% of the rock. They are elongate, parallel to tuff fabric, and possibly stretched. Local units consist of a massive groundmass, with the only tuffaceous texture the parallel alignment of coarse chloritized fragments.

Locally coarser fragmental beds occur with less altered fragments, generally sitting in a matrix of fine grained black chlorite, but these are usually thin discrete beds.

Within the tuffs are beds and sections containing 1-10 cm rounded pebbles of intrusive. These pebbles are mostly medium grained intrusives of diorite-quartz diorite composition and are often strongly epidotized. Only locally are these 'pebble beds' correlated between drill holes.

Little (G.S.C. Memoir 308) states that the Nelson Batholith is younger than the Rossland volcanics; if so, the probable souce of these pebbles would be the 'psuedodiorite' of the Bonnington Complex, some eight km to the N.W.

Unit 2b is sheared and chloritized tuffs and volcaniclastics. They are soft and made up entirely of fine grained black (and lesser green) chlorite which is easily recognized on cleavage surfaces. The foliation produced by the shearing may be quite regular, usually sub-parallel to other foliation and bedding orientations found in the core, or it may be very irregular and contorted. This unit is usually very coarsely pyritic, being shot through with fine stringers of pyrite, epidote, calcite or quartz.

This unit usually has gradational contacts within the volcanic package and is probably a sheared and altered version of the same.

The volcanics on the property, both the tuff and flows, are striking in the amount of pyrite that they contain - locally up to 3 or 5%. It is found as either coarse disseminations or stringers. It is of a white or silver colour, as opposed to the later fine grained yellow pyrite that often occurs with the silicification.

The various flows and tuffs interfinger with each other, with contacts ranging from sharp or gradational. These contacts line up well with the regional N.W. trend of the Elise Formation in this area. The tuffs are the dominant rock type within the volcanics throughout the area of drilling.

Intrusive Rocks

Four major types of intrusive rocks were encountered on the property during the 1985 programme. Of these, the diorite, quartz diorite and Silver King Porphyry, are probably related to Nelson Batholith.

Unit 3 - Porphyritic Andesite

Porphyritic andesite was noted as a discrete and distinctive unit in the drilling and surface work during this season. It is similar in appearance to the volcanics, being chloritized, but only slightly sheared. It is distinctive and contains up to 30% of randomly oriented sub-euhedral white feldspar phenocrysts → 1 cm within it. These are usually quite sharp and only locally have been altered so as to give diffused edges. Locally 1-2 mm chloritized green augite (?) phenocrysts are common. Pyrite is not as abundant in this rock type as in the surrounding volcanics.

The major dyke enountered in the drill holes is slightly crosscutting. On surface it can be traced for over 400 m and ranges from 8-12 m in width.

Unit 4a - Diorite

A diorite sill was encountered in the northernmost holes in the area of drilling; in holes KK-81-1,3 (Kerr Addison 1981) and in LK-85-9. Due to its highly altered (sericitized and silicified) nature, the diorite is best indentified by texture and sharp contacts. It is believed that this diorite is responsible for localization of gold mineralization.

The diorite sill is up to 10 m across and is very prominant, though it is not found in any other holes to the south. Its geometry in the drill core suggests it to be a sill. An updip projection would then indicate it to outcrop in Trench 8 but no evidence of the diorite was found on surface.

Unit 4b - Quartz Diorite

Fine to medium grained quartz diorite dykes intrude the sequence in holes LK-85-13 and 14 beneath the main showing. These dykes are 2-3m thick and are strongly silicified, and potassically altered and pyritized.

Unit 5 - Silver King Porphyry

This is the most common intrusive type on the property. It is a hornblende quartz diorite, containing porphyrytic white-grey feldspar grains up to 7-8mm which make up to 30% of the rock mass. Hornblende occurs in coarse black-dark green needles. Very fine grained disseminated pyrite is common throughout.

In the area of drilling, the Silver King Porphyry is very sheared and sericitic. It is often discerned only by a bumpy texture on cleavage planes, indicating the presence of altered feldspar phenocrysts, giving the appearance of an augen gneiss. The drill core geomentry shows the Silver King dykes to slightly crosscut the stratigraphy. One dyke is situated immediately beside the porphyritic andesite dyke.

To the north, in Trench 2, and in Gold Creek, much larger bodies of Silver King Porphyry intrude the volcanics. Locally these are unsheared and show no alteration.

Other small dykes, of centimetre scale size, usually of diorite to granodiorite composition were encountered in the core. Also encountered were a number of fine-grained lamprophyre dykes usually 2-10 cm wide which are also described in the Kerr-Addison holes in the copper zone.

Sericitic schists are common throughout the area. Locally white vuggy frothy quartz is found in these, and along with fine-grained disseminated pyrite. Originally thought to be metamorhosed felsic dykes or flows, it appears that these are features of alteration. Upon close inspection, these schists occur as

en chelon pods, slightly crosscutting the regional bedding and schistossity. The quartz occurs only locally in the core of these pods and the sericite schist/chlorite schist contact is usually gradational.

During trenching it was discovered that weathered in situ material in places up to 5m thick overlies the competent solid bedrock. The weathered material is made up of incompetent yellow-red iron oxides and sericite. The weathering contact is sharp and most of the rocks are weathered to a uniform depth, though local resistance or recessive units are present, giving deep pits in the bottom of the trenches. Ferricrete occurs in depressions at the bottom of the weathered zone.

Such a great depth of weathered bedrock is surprising, since the area is subject to glaciation. One possible reason is the high sulphide content of the volcanics, when subjected to natural weathering, might result in especially high acidity levels which would speed up the ensuing bedrock weathering.

Structure

The volcanics on the property form a homocline, with strikes varying from 120 to 140° and dips ranging from 40° to 50°W. Steeply dipping fractures trending 090° are common throughout the trenches and are especially abundant around the main showing. Generally no displacement could be discerned, except for two shears in Trench 7. Though the exact amount of dislocation is unknown, it is probably a few metres along strike. These same 090° fractures are also present in drill core intersections and appear to line up well on the basis of surface observations. These fractures also serve as conduits and host most of the gold mineralization found on the property. Airborne magnetics show a distinct 090° trending break in the magnetic trends 400m south of the area of the drilling. No follow-up work has yet been carried out to discover the nature of this break.

The rather abrupt termination of the diorite dyke south of LK-85-9 suggests faulting in that area, but no evidence was found either on surface or in drill core.

A northeasterly trending fault found on Little's G.S.C. Map 1517A cuts across the property 100-200m north of the area of drilling. It shows up on air photos as a very prominent lineament. Though no extensive work was done in this area, no suface evidence for the fault was found.

The silicified sections of the volcanics and intrusives are commonly crackle brecciated. The silicified, competent rock has been broken and recemented, essentially in place, with little or no movement of the clasts. The clasts are angular and range in size from 0.5 to 2.0 cm. They have been cemented with fine grained yellow pyrite or black or dark green chlorite. The resulting breccia is clast supported.

These breccias probably result from tectonic movement. The surrounding volcanics were sheared during this event, while the more competent silicification sections were deformed brittlely forming the crackle breccias. This could have taken place during the latest stage of the enplacement of the Nelson Batholith - the same event that intruded the diorite and introduced the silicification, or during a later orogeny during the early Tertiary.

Alteration

Apart from the seawater(?) epidotization and the widespread chloritization imparted on the volcanics during regional metamorphism, sericitization and silicification are the most prevalent alteration types on the KENA property. The most common type of sericitization is the sericite schists described previously. Soft white-yellow sericite is also abundant in the sheared Silver King Porphyry dykes along local fractures.

A distinctive alteration occurs along fracture zones deeper down the holes, noted especially in the more northerly drill holes as a grey-green silification-sericitation around these fractures. The fractures have been healed by milky or yellowish fine grained quartz or quartz-carbonate veining, often forming small breccia zones. White clay also occurs locally along some fractures.

Silcification serves as host for the fine grained yellow pyrite that appears to carry the gold mineralization, also locally hosting fine grained apple green hydrothermal biotite. It is found in a number of settings. Among these is at the margins of the diorite and quartz diorite intrusions. This pervasive silicification extends for up to 2-3 m into the volcanics, and much of the diorite is silicified as well. This silicification is pervasive and of an intense light grey colour. Locally it is cut by later white or amethystine quartz veins and stringers.

The quartz diorite dykes in LK-85-13 and 14 are completely silicified along with the volcanics partly masking the contact. The dykes are also potassically altered, giving rise to a pale pink tinge to the dyke. This occurs in other small sections and in other holes, which may or may not be dykes, but which are too altered to guess what their origins may be.

Silicification also occurs in discrete zones and veins. These will be discussed more extensively in the section on mineralization.

Limonite is common in near surface fracture zones.

Mineralization

Gold and copper are the two metals in most abundance on the KENA property. A large tonnage, low grade deposit of copper occurs about 1.5 km south of the Main Showing. It was this copper zone which was the target of most of the earlier work done on the property.

The gold zone was the area investigated by Lacana's 1985 programme. Copper minerals, notably chalcopyrite and less common malachite and bornite were found in the drill core. Molybdenum, galena and specular hematite are found locally in thin quartz veins. Red hematite is commonly found with calcite in late fractures.

The gold is found in silicified zones associated with the intrusions of the diorite. The margins of the diorite are silicified and various fracture zones and systems eminate away from the intrusion. Though silicification is not uncommon, only certain parts of the silicified areas are found to be auriferous.

The ultimate controlling factor in the gold mineralization is the presence of a secondary fine-grained yellow pyrite. This pyrite is secondary and the gold content is roughly proportioned to the amount of this pyrite.

Silver values were quite low throughout the area. Local thin zones of vaguely banded massive sulphide-pyrite sphalerite, chalcopyrite, galena, occur in a vein (?) at one margin of the diorite. It is generally less than 10 cm in width.

SUMMARY OF 1985 WORK

The field season on the KENA Property was begun in late May. Preparatory to this, the access road to the property was cleared in mid-May. Trenching began at the end of the month and continued for 11 days. During this time, 13 trenches were dug, totalling 980 m. Trenches were dug on the KENA 7, 18, 19 and MAC 1 claims. Sampling of the trenches continued sporadically into July as time allowed.

The diamond drill moved onto the property on June 7. From June 8-16, six holes were drilled, 5 on the KENA 7 claim and 1 on the KENA 19 claim.

A second phase of drilling started July 12 and continued until July 15, when the forest closure interrupted the programme.

Drilling and other work continued in August after the closure was lifted.

Trenching

Backhoe trenching was carried out in early June. The machine used was a JD-690, which made short work of the digging. Overburden was generally shallow, usually less than a metre, but locally, weathered bedrock was deep enough to be a major obstacle in reaching unaltered bedrock.

Thirteen trenches were dug in eleven days totalling 980 m in length. The average width was 1.5 m and depth ranged from 0.5 to 6 m. The sampling of the trenches is described in the "Geochemical Survey" section.

Geochemical Survey

The geochemical costs pertaining to this report were incurred in sampling the trenches. The samples are grabs or 1-5m chips taken continuously along most of the exposed bedrock. The samples were taken by hand using the good old hammer and chisel. The rocks were all analyzed for Au and Ag as well as some for multi-element analysis in hopes to obtain some pathfinder elements useful in locating gold mineralization.

Samples were packed in the field and shipped via bus to Vancouver. The analysis were carried out by Acme Analytical Laboratories Ltd. Details of analytical methodology are related in Appendix 7.

For the most part, the gold and silver values were disappointing. Aside from local, poddy silicification around the Main Showing, values were of little interest. The sericite schists yielded no elevated gold values, except in minor cases where quartz was also present. The multi-element analysis failed to show up any useful pathfinder elements or suites.

Drilling

A total of 550.7 m of diamond drilling was carried out on the KENA 7 and 19 claims in 8 holes. The eighth hole (LK-85-14) was stopped unexpectedly part way down the hole in July due to the forest closure and was resumed and finished in August after the closure was lifted. The Statement of Exploration and Development was filed during the forest closure, and the logs of the entirety of LK-85-14 has been included for convenience sake.

Core recoveries were very good being 100% for nearly all of the drilling. The clean core surface enabled original volcanic textures to be discerned, as they were masked on surface by widespread shearing and chloritization. This allowed a good stratigraphic section to be worked out.

The core is stored on the property.

APPENDIX I

BREAKDOWN OF COSTS

APPENDIX I

COST BREAKDOWN:

PHYSICAL WORK	
Clearing 10 km of access road - snow clearing JD-860, 20 hours @ $80/hr + Lowbed charges	$ 1,620
Trenching: 13 backhoe trenches - totalling 980 m Trenches average 1.5m in width, 2-3m in depth JD 960, 85 hours @ $80/hr	6,800
Construction of 1:5000 topographical map Kena Property and area	2,785
Total Physical Work Costs	$ 11,205
DRILLING	
Diamond Drilling, NQ core 550.7 m in 8 holes @ $55.78/m	$ 30,719
Assay Cost for Drilling:	
38 Core Samples - Multielement Analysis @ $15.75 each	598
264 Core Samples - Au & Ag analysis @ $8.75 ea	2,310
Miscellaneous Costs: Shipping samples, sample bags, communications	592
Total Drilling Costs	$ 34,219
GEOCHEMICAL SURVEY	
Analyzing trench samples 44 rock samples - Multielement @ $15.75 each	$ 693
64 rock samples - Au, Ag @ $8.75 each	560
Sampling trenches - 10 man days @ $75/day	750
Miscellaneous cost - Shipping samples, communications etc.	145
Total Geochemical Survey Costs	$ 2,148
Amount Claimed: (Statement of Exploration & Development)	$47,572

APPENDIX II

METHODS OF GEOCHEMICAL ANALYSIS

APPENDIX II

METHODS OF GEOCHEMICAL ANALYSIS

The samples were boxed in the field and shipped via bus to Acme Analytical Laboratories Ltd. of Vancouver, B.C. The rocks were pulverized to -100 mesh. From this, a 0.500 gram sample is digested with 3ml of 3-1-2 Hcl-HNO_3-H_2O at 95°C for one hour and is diluted to 10 ml with demineralized water. From this Ag is determined by Atomic Absorption and multi-element analysis is done by Inductively Coupled Argon Plasma.

Elements obtained in the ICP analyses are: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Au, Sb, Bi, V, Ca, P, Ca, Cr, Mg, Ba, Ti, B, Al, Na, K, and W.

For gold analysis, a 10.0 gram sample is ignited overnight at 600°C and is then digested in with 30 mls of hot dilute aqua regia, and 75 ml of clear solution obtained is extracted with 5 ml of Methyl Isobutyl Ketone (MIBK). Gold is determined in MIBK extract by Atomic Absorption (AA).

Mercuy is determined in the following method: 0.5 g sample is digested in aqua regia and diluted with 20% HCl. Hg in this solution is determined by cold vapour AA using a F.T Scientific Hg assembly. An aliquot of the extract is added to a stannous chloride/HCl solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

The sludge samples were analyzed for gold at Acme Labs, using a Fine Assay with Atomic Absorption Finish. A 10.0-30.0 g sample is subjected to Fine Assay preconcentration techniques to produce at silver bead. The silver beads are dissolved and Au is determined in solution by Graphite Furnace Atomic Absorption.

APPENDIX III

TRENCH SAMPLE ANALYSES

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMLESS AA.

DATE RECEIVED: JUNE 4 1985 DATE REPORT MAILED: June 12/85 ASSAYER: T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - 6919 KENA FILE # 85-0788 PAGE 1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
KTR-001	2	96	16	26	.2	1	12	136	17.81	226	8	ND	4	77	4	2	2	61	.02	1.03	8	4	.19	44	.03	2	.37	.01	.24	1	270	40
KTR-002	2	133	11	53	.2	3	14	424	6.01	25	5	ND	3	37	2	2	4	76	.36	.27	11	4	.93	50	.10	7	1.09	.02	.62	1	285	10
KTR-003	4	130	15	40	1.8	3	20	168	7.10	76	5	4	3	77	2	2	2	49	.12	.27	7	4	.54	49	.06	2	.62	.02	.50	1	1960	5
KTR-004	2	143	52	63	1.7	4	30	217	9.46	82	5	ND	3	90	3	2	2	64	.10	.27	8	13	.86	41	.09	6	.84	.02	.68	1	640	5
KTR-005	3	55	52	39	1.5	2	6	81	4.55	55	5	ND	2	76	1	2	2	31	.04	.12	3	1	.31	91	.07	6	.36	.02	.44	1	650	5
KTR-006	10	178	33	84	1.4	5	18	306	5.39	71	5	ND	3	43	1	2	5	59	.20	.22	7	9	1.05	72	.08	7	.95	.02	.59	1	720	5
KTR-007	9	168	19	101	1.1	13	25	534	6.01	75	7	ND	3	33	2	2	2	101	.35	.17	8	50	1.94	55	.16	5	1.53	.02	1.32	1	460	10
KTR-013	4	122	20	43	3.1	4	11	310	7.61	56	5	11	2	78	2	2	15	76	.13	.16	11	5	1.01	122	.28	2	1.14	.03	.94	7	8900	5
KTR-014	1	20	6	29	.2	5	9	639	2.14	4	5	ND	1	52	1	2	2	14	1.03	.13	3	3	.51	43	.08	2	.74	.02	.40	1	890	40
KTR-015	7	7397	73	7697	28.0	7	249	81	15.58	217	5	5	1	13	36	2	7	8	.05	.15	5	1	.11	8	.01	8	.11	.01	.11	1	8400	150
KTR-016	4	156	12	123	1.3	11	34	132	4.32	68	5	ND	1	29	1	2	2	17	.31	.17	2	6	.29	35	.05	8	.37	.01	.29	1	620	10
KTR-017	33	72	58	61	10.3	1	11	39	2.78	175	5	3	1	26	1	2	2	4	.01	.08	2	2	.05	32	.01	7	.07	.01	.14	1	3400	5
KTR-018	36	30	272	8	6.5	2	7	20	2.32	26	5	3	1	12	1	6	2	4	.01	.12	3	1	.02	64	.01	5	.15	.01	.18	1	2800	10
KTR-019	31	51	762	50	21.0	1	3	19	1.93	34	5	3	1	13	1	3	10	3	.01	.09	11	1	.02	66	.01	3	.16	.01	.21	1	2600	100
KTR-020	29	59	887	64	14.6	1	3	34	1.69	7	5	ND	1	32	1	3	7	12	.02	.06	8	1	.12	60	.02	4	.26	.01	.29	1	1200	2300
KTR-021	45	46	133	56	3.1	2	9	35	2.85	32	5	ND	3	17	1	2	2	6	.06	.11	8	1	.02	54	.01	5	.20	.01	.18	1	1400	120
KTR-022	44	316	1463	1144	25.0	2	14	94	3.63	40	5	12	1	20	5	6	8	6	.04	.07	7	1	.07	43	.01	3	.19	.01	.15	1	6000	10
STD C/AU-0.5	21	60	42	136	7.3	70	31	1177	3.92	40	18	7	36	51	18	18	21	61	.48	.15	38	59	.88	184	.08	41	1.71	.06	.11	11	470	1300

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUNE 11 1985 DATE REPORT MAILED: June 20/85 ASSAYER. D. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - 6919 KENA FILE # 85-0886 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB
KTR-008	5	508	17	108	1.5	27	36	676	7.55	19	5	ND	2	51	1	2	2	142	.95	.20	2	99	2.96	24	.22	2	2.51	.02	1.95	1	300	40
KTR-009	1	171	10	82	.6	6	17	1134	3.17	6	5	ND	3	15	1	3	2	30	.28	.19	9	3	.73	58	.06	2	1.08	.02	.50	1	310	10
KTR-010	1	66	15	50	.2	7	14	679	2.45	6	5	ND	1	17	1	2	2	12	.37	.17	8	3	.34	58	.04	2	.71	.01	.33	1	270	50
KTR-011	1	300	12	88	.6	22	22	1581	6.21	11	5	ND	1	63	1	2	2	173	1.19	.22	5	64	2.62	104	.27	2	2.86	.02	2.01	1	180	20
KTR-012	1	227	29	78	.7	9	23	1154	4.68	9	5	ND	2	84	1	2	2	92	1.64	.25	6	20	1.79	93	.18	4	1.91	.02	1.10	1	240	30
KTR-023	4	476	6	94	.9	10	32	960	4.66	8	5	ND	3	27	1	3	2	54	.72	.27	7	6	.88	70	.06	8	1.21	.01	.61	1	480	10
KTR-024	1	129	3	106	.4	9	25	895	4.57	5	5	ND	3	31	1	2	2	83	.57	.28	7	10	1.91	82	.11	2	1.81	.02	1.14	1	165	30
KTR-025	1	172	4	105	.5	11	22	660	4.76	9	5	ND	3	34	1	2	2	99	.52	.26	4	19	2.17	47	.15	2	1.90	.02	1.36	1	230	40
KTR-026	2	316	10	107	.6	10	26	737	4.93	13	5	ND	3	34	1	4	4	90	.56	.29	3	25	2.02	87	.15	5	1.89	.02	1.22	1	225	20
KTR-027	3	118	5	73	.4	8	25	1016	3.81	6	5	ND	2	28	1	2	2	33	1.54	.38	6	1	.23	58	.01	2	.66	.01	.32	1	200	5
KTR-028	9	13	11	11	.6	3	4	48	2.70	9	5	ND	1	45	1	2	2	12	.03	.10	4	1	.16	104	.02	2	.35	.01	.36	1	255	30
KTR-029	63	43	48	17	1.0	5	7	129	5.75	17	5	ND	1	79	1	2	2	21	.02	.20	2	4	.26	36	.03	2	.45	.03	.66	1	690	5
KTR-030	8	33	30	29	1.2	13	25	228	8.25	13	5	ND	1	73	1	4	2	50	.23	.32	2	7	.74	18	.07	6	.82	.01	.62	1	150	30
KTR-031	5	4816	667	2553	55.4	15	114	148	6.12	12	5	33	1	4	87	2	439	1	.01	.07	2	2	.02	14	.01	2	.08	.01	.02	1	80200	10
KTR-032	8	34	6	53	.3	46	30	704	7.03	13	5	ND	1	21	1	2	5	94	.40	.18	2	196	2.41	23	.17	4	1.64	.02	1.08	1	95	20
KTR-033	12	36	16	21	1.1	4	7	80	5.63	15	5	ND	1	83	1	2	6	25	.05	.18	5	3	.25	75	.14	2	.43	.02	.40	1	680	10
KTR-034	11	464	7	28	.4	25	33	226	7.66	5	5	ND	1	24	1	2	2	171	.36	.20	2	39	2.51	39	.14	2	1.85	.02	1.06	1	65	50
KTR-035	21	365	35	43	1.0	11	35	281	12.85	2	5	ND	1	25	1	2	2	22	.02	.25	2	6	.28	47	.02	2	.68	.01	.27	1	255	40
KTR-036	1	19	3	25	.1	7	12	576	4.44	2	5	ND	1	165	1	2	2	34	2.45	.22	2	6	1.07	32	.08	6	.98	.01	.61	1	130	70
KTR-037	5	452	15	35	.9	14	31	407	10.63	12	5	ND	3	18	1	6	4	69	.08	.30	4	19	1.86	37	.04	6	1.81	.01	.35	1	315	140
KTR-038	4	343	5	17	1.5	7	12	77	5.79	2	5	ND	2	154	1	2	2	46	.15	.29	4	11	1.03	57	.09	5	1.16	.02	.72	1	210	100
KTR-039	13	181	15	16	.2	9	40	335	9.22	2	5	ND	1	114	1	2	2	47	1.33	.27	2	1	.73	11	.02	8	.52	.02	.26	1	95	190
KTR-040	3	147	9	24	.2	15	18	474	6.52	6	5	ND	3	53	1	2	2	100	1.55	.27	6	31	2.06	36	.07	3	1.45	.02	.53	1	52	90
KTR-041	17	389	13	27	.7	6	30	174	13.13	15	5	ND	1	23	1	10	2	62	.15	.31	2	3	.95	9	.01	13	.85	.02	.20	1	70	220
KTR-042	11	144	5	26	.2	6	25	500	5.52	11	5	ND	3	80	1	2	2	36	2.80	.35	2	3	1.58	18	.01	11	.83	.01	.24	1	40	140
KTR-043	3	143	2	40	.1	11	34	607	8.97	3	5	ND	1	17	1	2	2	179	.43	.26	2	18	2.76	18	.26	2	2.33	.02	.88	1	64	40
KTR-044	12	241	13	16	.6	11	20	145	6.42	4	5	ND	1	40	1	2	2	25	.52	.24	2	3	.25	17	.01	7	.37	.02	.23	1	56	50
STD C/AU-0.5	20	59	41	137	6.9	69	29	1167	3.95	39	18	7	32	47	18	15	21	61	.48	.18	36	56	.88	168	.08	38	1.71	.04	.10	12	480	1400

SAMPLE#	Ag PPM	Au* PPB	Au OZ/T
KTR-045	1.3	305	-
KTR-046	.6	260	-
KTR-047	1.7	1210	.040
KTR-048	2.0	1250	.039
KTR-049	1.3	565	-
KTR-050	1.0	110	-
KTR-051	.7	295	-
KTR-052	1.2	170	-
KTR-053	.8	215	-
KTR-054	1.5	260	-
KTR-055	1.7	860	-
STD C/AU 0.5	7.1	490	-

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 3 1985

DATE REPORT MAILED: July 9/85

GEOCHEMICAL ICP ANALYSIS

500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: J. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING FILE # 85-1204 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
KTR-056	.5	230
KTR-057	1.2	180
KTR-058	1.6	130
KTR-059	1.7	305
KTR-060	1.0	165
KTR-061	.1	470
KTR-062	.1	60
KTR-063	.1	65
KTR-064	.6	325
KTR-065	.7	150
KTR-068	8.9	340
KTR-069	2.5	250

1E ANALYTICAL LABORATORIES LTD.
E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
E 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 9 1985

JUL 15 1985

DATE REPORT MAILED: July 14/85

GEOCHEMICAL ICP ANALYSIS

500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
HIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: V. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - 6919 FILE # 85-1302 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
KTR-070	.1	140
KTR-071	.1	175
KTR-072	.1	140
KTR-073	1.3	35
KTR-074	.1	120
KTR-075	.1	120
KTR-076	.4	320
KTR-077	.1	170
KTR-078	.7	195
KTR-079	.6	90
KTR-081	.3	8
KTR-082	.3	50
KTR-083	.5	60
KTR-084	.4	150
KTR-085	.1	36
KTR-086	.2	140
KTR-087	.5	70
KTR-088	.9	60
KTR-089	.4	70
KTR-091	.1	60
KTR-092	.1	45
KTR-093	.1	43
KTR-094	.2	40
KTR-095	.1	46
KTR-096	.2	75
KTR-097	.3	230
KTR-098	.2	42
KTR-099	.3	34
KTR-100	.1	35
KTR-101	.2	32
KTR-102	.4	230
KTR-103	.5	250
KTR-104	.3	120
KTR-105	.8	400
KTR-106	.4	60
KTR-107	.3	80
KTR-108	.1	110
STD C/AU-0.5	7.1	490

APPENDIX IV

DRILL LOGS: LK-85-7 to LK-85-14

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-7 Page 1 of 3

Property: KENA Location Down Hole Surveys Etch Drilled By: R. Beaupre

Area (Map #): 82-F/6W Grid: 48+53N/49+07W Depth: Az: ° Dip: ° From-To: June 8,9/85

Claim #: -53.64 ° -46 ° Size(s): NQ

M.D./County: NELSON M.D. Length: 53.64 (Units: m) ° ° Logged By: B. Johnston

Province: B.C. Azimuth: 040 ° Dip Collar: -55 ° ° ° Signed: RGJ

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	1.8		Casing		090751	1.80	3.90	2.10		.4	115
1.8	3.9	Chloritized Volcaniclastics	Dk gn FG groundmass sheared, w/bk chl on cleavage surfaces. 1-2% ep as FG irreg masses ≯ 1-2mm	50°CA Schisto-ssity	52	-5.00	1.10		.1	46
					53	-6.25	1.25		.1	67
			Calcareous FGMG brassy py as diss or discont stringers ≯ 5%		54	-8.75	2.50		.6	225
					55	-10.00	1.25		.7	250
3.90	6.25	Silver King Porphyry	Sheared, sericitized felds partly alt to ep. Tr py. Local ep stringers in vague bands 70°CA		56	-11.25	1.25		.9	175
					57	-11.77	0.52		.9	250
6.25	12.00	Chloritized Volcaniclasts	Bk chl on cleavage surfaces. Calcareous. Local tuff beds esp to bottom. Feldspar crystal tuff in	70°CA Tuff	58	-12.00	0.23		1.6	245
					59	-14.00	2.00		.9	185
			bottom 0.5 m. Minor crackle bx zones. Laminae in tuff beds show sequence to be upright		60	-16.00	2.00		.4	170
					61	-17.50	1.50		1.7	565
			11.50 broken limonitic core.		62	-18.90	1.40		.7	355
					63	-19.40	0.50		3.5	3190
12.00	19.42	Epidotized Mass ~~Andesite Flow~~	M.gy FG groundmass w/ 1-3mm wh feld phenos. No		64	-20.90	1.50		.8	775
			alignment 1% brassy FG eu py		65	-21.90	1.0		.2	185
			12.6-13.0 m broken, limonitic core		66	-23.20	1.3		.5	240

1675 ppm Zn

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
12-00-19.40 cont'd			18.92-19.42 slightly sericitized, broken limonitic		090767	23.2-23.4		0.2		.3	110
19.42-26.53		Coarse Chloritized volcaniclastics	Lt gy indistinct clasts ≯ 3 cm(5-10% of rock) in bk & gn chl. Local minor sil'n.py → 5% in masses or in qtz-carb stringers. Finer at bottom of section. Wh cc stringers	70°CA bedding	68	-25.09		1.69		.4	165
					69	-26.53		1.42		.4	295
					70	-28.00		1.47		.7	615
					71	-29.92		1.92		.7	1210
			23.17-23.30 diorite dyke sharp contacts		72	-31.70		1.78		.7	275
			25.50 5 cm wide diorite dyke 70°CA contacts		73	-33.00		1.30		.6	380
26.53-26.95		Silver King Porphyry	Sheared, sericitized		74	-34.11		1.11		.4	215
					75	-35.50		1.39		1.1	350
26.95-28.80		Altered Diorite	V. ser'd. Sharp contacts		76	-36.60		1.10		1.0	495
					77	-38.60		2.00		.7	275
28.80-31.70		Rubbly Andesite Flow	Wh felds in 1-2 mm in darker groundmass. Broken texture, poss autobreccia or flow breccia		78	-40.23		1.68		.9	450
					79	-41.40		1.12		1.0	465
31.70-35.50		Flow Breccia	Brecciated rubbly flow w/bands/beds of silic'd ang lt gy 1-7mm clasts. Definite movement of clasts	70°CA Bedding	80	-42.44		1.04	.046	.9	1460
					81	-44.44		2.00	.074	.9	2250
			FGMG y py → 1%. Local crackle bx zones. No movement of clasts. Sil'd and was broken and re-cemented		82	-46.20		1.76	.244	3.3	9050
					83	-47.70		1.50	.126	1.7	3650
			in place; py bk chl as matrix. 34.11-34.23 FG bk lamprophyre dyke 60°CA contacts		84	-48.73		1.03	.048	.6	1210
					85	-50.45		1.72		.2	165
35.50-42.00		Feldspar Crystal Tuff	1-3 mm wh feld grains in d. gy groundmass. Minor chloritized fragmental tuff sections & mass flow	60°CA Tuff	86	-51.75		1.30		.5	825
					87	-53.20		1.45		.2	105
			Local sil'n mod → intense. 36.35-36.60 Intense sil'n, original texture gone		88	-53.64		0.44		.3	160
						SLUDGES NEXT PAGE.					
			lt gy. 40.28-41.40 mod-intense sil'n 1% py								
			41.80-41.98 intense sil'n								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
42.00	49.50	Chloritic Fragmented Tuff	Bk chl'd fragments, (poss stretched) elongate 5-15 mm in m.gy gn. Local intense sil'n. ± ser'n	60°CA Tuff			SLUDGES				
						0	3.35	3.35			160
			42.44-46.20 Silicified crackle bx. Sil'd tuff(?) broken & re-cemented in place w/ bk chl & py.Only				-4.87	1.52			140
							-7.92	3.05			240
			v.minor py in clasts.				-10.97	3.05			360
			44.68-45.34 10-20% FG y py in matrix				-14.02	3.05			260
			45.90-46.20 " " "				-17.07	3.05			360
			Ser'n & sil'n dies off to 49.50				-20.12	3.05			360
49.50	53.64	Chloritic Fragment Tuff	As above, bk elongate chl'd frgments in m.gy gn Local crackle breccia zones 1% brassy or silver eu py.	60°CA Tuff			-23.16	3.05			1040
							-26.21	3.05			960
							-29.26	3.05			800
							-32.31	3.05			450
							-35.36	3.05			420
			END OF HOLE				-38.40	3.05			620
							-41.45	3.05			720
							-44.50	3.05			3600
							-47.51	3.05			9200
							-50.60	3.05			2450
							-53.64	3.05			810

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LK-85-8 Page 1 of 3

Property: KENA Location Down Hole Surveys Etch Drilled By: R. Beaupre

Area (Map #): 82-F/6W Grid: 48+64N/49+25W Depth: Az: ° Dip: ° From-To: June 9,10/85

Claim #: 61.26 ° -51 ° Size(s): NQ

M.D./County: NELSON MD Length: 61.26 (Units: m) ° ° Logged By: E. Johnston

Province: B.C. Azimuth: 020 ° Dip Collar: -55 ° ° ° Signed:

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	4.26		Casing		090789	4.26	6.25	1.99		.4	135
					90		8.25	2.00		.4	165
4.26	12.70	Epidotized Mass. Andesite Flow	D.gy-bk FG groundmass w/irreg 1-5 mm masses of FG ep, poorly banded 70°CA. Local crackle breccia		91		9.85	1.60		.5	240
					92		11.66	1.81		.8	635
			>1% FGMG silver eu py. FG cc stringers 11.66-11.95 lg gy sil'n as alteration around fine		93		11.95	0.29		1.7	545
					94		12.42	0.47		1.8	510
			qtz-carb stringers. in 70°CA bands. Wh cc stringers 45°CA		95		12.65	0.23	1.49	33.7	46200
					96		13.77	1.12		2.2	475
			12.42-12.65 Bl-gy sil'n.Fg y py & tr cp 12.53-12.70 50% py		97		15.52	1.77		1.5	315
					98		15.62	0.10		1.8	250
12.70	29.06	Tuff	Dominantly feld xtl tuff in first 3-4m, then becomes chloritic fragment tuff. Locally sheared	70°CA Tuff	99		17.91	2.29		1.1	175
					800		18.27	0.36	.033	5.1	1050
			& chloritized 20-26m. Local minor crackle bx zones 1-2% y py		01		18.80	0.53	.048	2.4	1310
					02		18.93	0.13		.2	185
			26-29.06 feld xtl tuff strongly epidotized 12.70 -15 m		03		20.86	1.93		.2	440
					04		21.12	0.26		1.7	895
			23-26m local sil'n w/→ 1-2% y py		05		22.40	1.28		.8	265

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
29.06	32.50	Massive Andes. Flow	Strongly silicified throughout, much of original texture gone. some pk alt sim to qtz diorite dykes		090806	22.40	24.40	2.00		0.5	235
					07		26.40	2.00		0.4	170
			in LK-85-14								
			29.71 VFG gn hydrothermal biot at edge of intensely		08		28.00	1.60		0.6	370
					09		39.06	1.06		0.7	315
			sil'd zone. Minor amethystine qtz veins		10		31.50	2.44		1.8	625
					11		32.43	0.93		0.6	365
32.50	38.80	Tuff	Mostly Fg feld xtl tuff; wh feld laths 3-4 mm Local		12		34.50	2.07		0.8	765
			chloritic fragment tuff. Minor crackle bx zones		13		36.50	2.00		0.7	535
			Local sil'n		14		37.95	1.45		0.7	395
			33.00-33.50 coarse grained. Poss diorite, but has		15		38.45	0.50		0.8	350
			grad. contacts w/tuff		16		38.99	0.44		.03	195
			34.40 3 cm of intense sil'n. Lt gy w/green VFG biot		17		41.00	2.01		0.3	425
			36.05-36.23 Intense sil'n as alt'n around FG milky		18		43.23	2.34		0.3	425
			qtz-carb veins. Minor pk tinge.		19		43.70	0.47	.148	1.2	4510
38.80	48.10	Mass Andesite Flow	MG. Local feld & xtl tuff. Local sil'n	70°CA	20		45.80	2.10	.258	2.3	7100
			43.23-43.70 Coarse frag'l 7mm elongate subarg sil'd	tuff	21		48.01	2.21	.104	3.0	3120
			clasts in matrix of 50% FG y py & 50% bk chl.		22		50.09	2.08		0.9	570
			43.70-48.01 59% of section is coarse lapilli tuff		23		51.09	1.00		9.8	350
			sim to above w/less py. FG y py often rims clasts		24		51.99	0.90		0.6	155
					25		52.53	0.54		0.3	335
48.10	56.30	Tuff	Mostly feld xtl tuff w/local massive sections &		26		52.95	0.42		0.6	525
			crackle bx zones. Minor chloritic fragment tuff beds		27		54.90	1.95		0.7	550
			50.50-50.80 ga in 5mm FG masses diss in core & in		28		56.30	1.40		0.7	470
			wh qtz veins, Not ass w/py		29		56.77	0.44		1.1	350
			51.39-51.99 Sil'd zone w/discont stringers of am		30		58.61	1.84		0.7	460
			qtz.Lt gn biot on broken surface		31		60.00	1.39		0.3	305
56.30	60.50	Sericitized Silicified Fracture Zone	Gy-gn ser & sil alt tuff & mass and. Alt ass w/ network of FG milky qtz-carb veining - no py in		32		61.26	1.26		0.5	510

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-8 Page 3 of 3

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
56.30-60.50	cont'd		veins - locally have yellowish tinge 52.50 3 cm subound clast of diorite (?)				SLUDGES				
60.50-61.26		Tuff	Feld xtl tuff grades out of alt zone. 2-3mm wh feld grains. Local thin red hen stringers	60° CA Tuff		0	4.87	4.87			190
						-	7.92	3.05			160
			END OF HOLE			-10.97		3.05			370
						-14.02		3.05			9900
						-17.07		3.05			620
						-20.12		3.05			930
						-23.16		3.05			550
						-26.21		3.05			330
						-29.26		3.05			1140
						-32.81		3.05			820
						-35.36		3.05			815
						-38.40		3.05			425
						-41.45		3.05			325
						-44.50		3.05			3900
						-47.55		3.05			3850
						-50.60		3.05			3100
						-53.64		3.05			890
						-57.69		3.05			1100
						-59.74		3.05			715
						-61.26		3.05			965

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LK-85-9 Page 1 of 3

Property: KENA	Location		Down Hole Surveys	Etch	Drilled By: R. Beaupre
Area (Map #): 82-F/6W	Grid: 48+88N/49+28W		Depth:	Az: •	Dip: • From-To: June 10, 11/85
Claim #:			59.74	• -56 •	Size(s): NQ
M.D./County: NELSON, M.D	Length: 59.74	(Units: m)		•	• Logged By: B. Johnston
Province: B.C.	Azimuth: 020 •	Dip Collar: -55 •		•	• Signed:

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
0	3.96		Casing		090833	3.96	6.00	2.04		.9	150
					34	-8.30		2.30		.9	175
3.96	16.50	Epidotized Mass Andesite Flow	MG, locally porphyrytic. Red hem & bk chl on cleavage planes. Minor bk chloritized, sheared	70°CA Fabric	35	-9.01		1.71		1.1	120
					36	-9.31		0.30		.7	150
			tuff 7-10 m Felt xtl tuff at 10 m. Local crackle bx zone. Poss. subround diorite clasts to bottom		37	-11.00		1.69		1.0	115
					38	-13.00		2.00		1.9	260
16.50	23.75	Chloritized, Sheared Volcan-	FG bk chl, soft w/ greenish tinge, strongly epid- otized. Minor massive flows.	70°CA bedding?	39	-14.48		1.48		1.5	270
					40	-14.97		0.49		0.8	130
		iclastics			41	-15.22		0.25		1.2	205
					42	-15.62		0.40		.3	56
23.75	25.01	Silicified & Brecciated And	Lt gy mod-intense sil'n. 70% of section is brecc- iated (crackle bx) w/py & bk chl as matrix (2-5% y	70°CA Schist- ossity	43	-16.69		1.07		.6	290
					44	-17.36		0.67		.6	70
			py) fragments sl calc w/CG py ∴ 2 ages of py 24.90 minor cp.		45	-18.50		1.24		3.4	430
					46	-19.94		1.44		1.2	420
25.01	32.50	Tuff	Mostly feld xtl tuff, w/some chlorite fragment tuff 31.00-32.50 mod-intense sil'n minor amethystine		47	-22.00		2.06		.9	315
			qtz stringers 1% py		48	-23.75		1.75		.9	230
					49	-25.01		1.26		2.9	290

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
32.50	39.50	Mass Andesite Flow	Grades at of above tuff. Local thin feld xtl tuff beds. Minor crackle bx zones; 1% py & minor cp.	55°CA tuff bed	090850	25.01	27.00	1.99		2.9	440
					51		-29.00	2.00		0.6	335
			Amethyst stringers at varying CA's		52		-30.61	1.61		0.9	395
					53		-31.28	0.67		1.8	835
39.50	43.00	Tuff	Interbeds of feld xtl & chloritic fragment tuff. Locally v. sheared w/bk chl. Local sil'n w/amethyst	60°CA tuff	54		-32.99	1.79		1.6	810
					55		-33.70	0.71		0.9	385
			stringers		56		-37.00	2.77		0.5	415
			41.25 5 cm of incomp chl schist		57		-38.40	1.40		0.3	310
			42.75 1.5 cm wh qtz-carb vein w/30% py		58		-40.79	2.39		0.5	275
			42.43 m sheared, chloritized		59		-42.00	1.31		0.5	175
43.00	48.00	Sericitized Sil'd Alt Tuff ~~(Fracture Zone)~~	Gy-gn tinge to rock, ser & sil alt ass w/milky & yellow sh FG qtz-carb veining, Minor py tr cp		60		-43.42	1.42		0.9	185
					61		-44.29	0.87		0.6	135
48.00	55.11	Tuff	As above. Grades out of alt zone. Feld xtl tuff dominent 48-52 m. Zones of intense sil'n. Becomes		62		-45.50	1.21		0.7	310
					63		-46.74	1.25		2.0	400
			massive to bottom		64		-47.39	0.66		1.3	495
					65		-49.00	1.61		0.9	635
55.11	56.06	Silver King Porphyry	Strongly sheared		66		-51.00	2.00		0.3	150
					67		-52.34	1.34		0.6	490
56.06	59.74	Tuff	Fine chloritic fragment tuff. Bk chl w/py elongate -possibly stretched 5 x 1 mm. Partly ser'd, esp	80°CA tuff	68		-52.84	0.50		0.4	310
					69		-54.00	1.16		0.6	365
			near contact w/ dyke.		70		-55.11	1.11		0.8	650
					71		-56.06	0.95		0.3	180
			END OF HOLE		72		-57.13	1.07		0.1	250
					73		-58.50	1.37		0.3	110
					74		-59.74	1.24		0.1	250
						SLUDGES NEXT PAGE					

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-9

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
							SLUDGES				
						0	-4.87	4.87			235
							-7.92	3.05			265
							-10.97	3.05			165
							-14.02	3.05			265
							-17.07	3.05			510
							-20.12	3.05			595
							-23.16	3.05			495
							-26.21	3.05			545
							-29.26	3.05			5
							-32.31	3.05			1290
							-35.36	3.05			495
							-38.40	3.05			550
							-41.45	3.05			435
							-44.50	3.05			275
							-47.55	3.05			725
							-50.60	3.05			710
							-53.65	3.05			565
							-56.69	3.05			910
							-59.74	3.05			380

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-10 Page 1 of 3

Property: KENA	Location		Down Hole Surveys	Etch	Drilled By: R. Beaupre
Area (Map #): 82-F/6W	Grid: 49+16N/49+48W		Depth:	Az: °	Dip: ° From-To: June 11, 12/85
Claim #:			71.63	° -50 °	Size(s): NQ
M.D./County: NELSON M.D.	Length: 71.63 (Units: m)			°	° Logged By: B. Johnston
Province: B.C.	Azimuth: 020 ° Dip Collar: -55 °			°	° Signed: RG

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	3.35		Casing		090875	3.35	5.35	2.00		.5	230
3.35	7.95	Tuff	Chloritic fragment tuff. Frags ≯1cm Minor ep	80°CA tuff	76		-7.95	2.60		.6	215
					77		-9.50	1.55		.7	130
7.95	10.99	Epidotized Mass Andesite Flow	10% ep, 1% brassy py. Red hem w/wh cc stringers minor chloritized sheared tuff, esp in bottom .5m		78	9.55	-10.99	2.44		.6	150
					79		-12.61	1.62		.3	39
10.99	12.61	Sericite Feld Schist	3-4 mm wh feld grains in gy ground mass. Highly sheared. Probably a sheared Silver King Porphyry		80		-13.65	1.04		3.2	520
					81		-15.00	1.35		4.2	495
			Sharp 70° contacts. Feldspar not abundant.		82		-17.00	2.00	.043	4.1	1340
					83		-19.00	2.00		1.3	410
12.61	13.65	Tuff	Chloritic fragment tuff w/minor feld xtl tuff beds Py in fine stringers. Sheared chloritized sections		84		-21.00	2.00		1.3	590
					85		-23.00	2.00	.049	2.1	1560
13.65	15.00	Silver King Porphyry	Finer than other Silver King dykes; 1 mm wh felds V. ser'd, sheared		86		-24.31	1.31		1.5	810
					87		-25.29	0.98		.9	95
15.00	17.00	Tuff	2 mm subhedral feld grains aligned 70°CA		88		-25.70	0.51		1.5	65
					89		-26.45	0.75		4.8	285
17.00	37.32	Diorite	MG, upper contact obscured in ser & milky qtz carb veining. Local alteration (ser & sil) through dyke		90		-28.50	2.05		2.5	430
					91		-30.00	1.50		1.1	415

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
17.00-37.32 Cont'd		Diorite	23.0 - 23.30 m ser'n 26.0 m diss py + cp		090892 93	30.00-31.22 -33.20		1.22 1.98		0.9 0.8	205 130
			32.0 → 37.32 Lt gy ser+sil alt, local crackle bx and pyritic wh qtz veins.		94 95	-35.20 -37.32		2.00 2.12		3.1 2.0	765 370
32.32-42 .50		Chloritized Tuffs Volcaniclastics	Bk chl throughout. Sheared. Minor massive sections.		96 97	-38.10 -39.10		0.78 1.00	.039	5.2 5.4	460 1290
			37.56-37.62 massive sulphide. Vein? 60°CA vague banding		98 99	-41.00 -42.69		1.90 1.69		2.2 1.6	345 295
			80% FG y py w/Fg ga, sp in FG lt gy qtz		900 01	-44.55 -46.18		1.86 1.63		0.6 0.4	150 250
42.50-68.84		Tuff	Feld xtl tuff dominant, but w/beds of chloritic fragment tuff. Local crackle bx zones		02 03	-47.50 -48.96		1.32 1.46		1.4 1.9	290 375
			44.50-45.00 milky FG qtz-carb veining w/gy-gn alt 48.00-48.50 " " " "		04 05	-49.24 -51.50		0.28 2.26		1.3 0.4	230 160
			64.-65.0 " " " " 49.00 m crackle bx zone cuts off amethyst vein		06 07	-53.50 -55.50		2.00 2.00		0.4 0.5	180 200
			50.98-51.10 CG qtz diorite(?) dyke 85°CA Dyke cut by milky qtz-carb vein w/red hem,		08 09	-56.76 -58.50		1.26 1.74		0.6 0.4	575 840
68.84-69.62		Silver King Porphyry	V. sheared		10 11	-60.50 -62.50		2.00 2.00		0.5 0.2	310 205
69.62-71.63		Tuff	Feld xlt & chloritic fragment tuff throughout 69.62-70.15 crackle breccia w/5% FG y py in		12 13	-64.00 -65.03		1.50 1.03		0.5 1.5	190 340
			matrix.		14 15	-67.00 -68.84		1.97 1.84		0.7 0.9	240 405
			END OF HOLE		16 17	-69.62 -70.50		0.78 1.88		0.5 2.0	64 590
					18	-71.63		1.13		0.7	315

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-10 Page 3 of 3

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
						SLUDGES 0.4	-4.87	4.87			435
						-7.92		3.05			575
						-10.97		3.05			495
						-14.02		3.05			375
						-17.07		3.05			1610
						-20.12		3.05			515
						-23.16		3.05			1540
						-26.21		3.05			890
						-29.26		3.05			925
						-32.31		3.05			370
						-35.36		3.05			605
						-38.40		3.05			720
						-41.45		3.05			1290
						-44.50		3.05			705
						-47.55		3.05			390
						-50.60		3.05			345
						-53.65		3.05			460
						-56.69		3.05			585
						-59.74		3.05			1360
						-62.79		3.05			650
						-65.84		3.05			765
						-68.88		3.05			680
						-71.93		3.05			850

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LK-85-11 Page 1 of 4

Property: KENA Location Down Hole Surveys Etch Drilled By: R. Beaupre

Area (Map #): 82-F/6W Grid: 48+21N/49+25W Depth: Az: Dip: From-To: June 13, 14/85

Claim #: 45.72 • -53 • Size(s): NQ

M.D./County: NELSON M.D. Length: 85.65 (Units: m) 85.65 • -50 • Logged By: B. Johnston

Province: B.C. Azimuth: 040 • Dip Collar: -55 • • • Signed: R.G.

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	3.96	Casing			090919	3.96	5.75	1.79		.4	160
3.96	7.21	Epidotized Mass And. Flow	1-2 lt gy feld grains in m.d.gy goundmass w/irreg		20	-7.21		1.46		.7	290
			2-3 mm ep masses. 1-2% FGMG eu silver py diss		21	-8.20		1.99		.5	315
			Red lim in broken core		22	-10.40		2.20		.3	355
					23	-11.14		0.74		.5	210
7.21	10.40	Tuff	Minor ep, poorly defined bedding	80°CA bedding	24	-13.86		2.72		.2	160
					25	-15.50		1.64		.5	190
10.40	11.14	Silicified Tuff	FG most of orig texture gone. Lt gy w/pk tinge.		26	-15.50		1.64		.5	570
			Minor FG diss py ass w/Fg milky qtz-carb stringers		27	-18.30		1.27	.325	2.6	11600
			Tr mo		28	-19.84		1.54		.7	460
					29	-21.46		1.62		.7	420
11.14	17.13	Tuff	Chloritic fragment & feldspar xtl tuff. 2-3mm	70°CA tuff	30	-23.50		1.96		.1	175
			bk chloritic elongate fragments & 1-2 mm lt gy		31	-25.50		2.00	.043	.5	1210
			felds in gy groundmass		32	-27.13		1.63		.1	175
			1%FG brassy py. Minor FG ep		33	-28.17		1.04		.7	780
			12.50 3 cm wide pk FG aplite? dyke 45°CA. FG bk chl at edges.		34	-30.27		2.10		.7	470

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
17.13	18.30	Sericitized Tuff	Strongly ser'd. minor sil'n. Mottled patches of lt bn fg non-calc mat. Brassy FG py in 45°CA	45°CA Contact	090935	30.27	31.40	1.13		.7	190
					36		32.45	1.05		.6	120
			stringers. Minor crackle breccia		37		33.69	1.24		.7	180
					38		35.00	1.31		.7	200
18.30	19.84	Tuff	Some feldspar xtl tuff beds. Local ep.		39		36.90	1.90		.6	170
					40		39.00	2.10		.7	300
19.84	21.46	Chloritized tuff & Volcaniclastic	Bk,FG shiny bk chl on cleavage surfaces. Shot through w/thin stringers of ep, py cc all// to	65°CA Schisto-	41		41.00	2.00		.6	110
					42		42.27	1.27		.5	80
			schistossity. Also minor amethyst stringers 10% ep	ssity	43		44.00	1.73		1.0	260
					44		46.00	2.00		1.0	280
21.46	27.13	Tuff	Tuffaceous texture: ie definite fabric, but is not either chloritic fragment or feld xtl tuff	65°CA Tuff	45		47.05	1.05		.8	900
					46		49.00	1.95		.9	360
			23.25 limonite on fractures		47		51.00	2.00		.8	490
			25.00 15 cm of limonitic vuggy, broken core.		48		53.00	2.00		.6	420
27.13	28.17	Chloritized sheared tuff &	Bk chl on cleavage surfaces. Contorted, folded schistossity locally		49		54.37	1.37		1.1	340
					50		56.00	1.63		.6	310
		Volcaniclastics			51		58.00	2.00		.8	480
					52		60.00	2.00		.2	170
28.17	30.27	Diorite Dyke	Finer grained than in other sections, looks sim'to Qtz diorite in LK-85-14. Lt gy groundmass w/wh &		53		62.00	2.00		.3	440
					54		64.00	2.00		.5	345
			gy feldspar phenos & gn chl'd mafics. Sharp contacts.		55		66.00	2.00		.6	310
					56		68.00	2.00		.5	165
30.27	36.90	Chloritized & Sheared tuff &	As above, w/less ep		57		70.00	2.00		.4	230
			36 m FG bk ang argillite(?) clasts		58		72.24	2.24		.4	150
		Volcaniclastics			59		74.24	2.00		.8	340
					60		76.25	2.01		.5	145
36.90	42.27	Epidotized Mass Andes. Flow	Strongly epidotized. Local thin tuff & chloritized tuff beds		61		77.57	1.32		.7	470
					62		80.16	2.59		.6	230

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
42.27	54.37	Chloritized & sheared tuff &	Strongly ep'd V. irreg & contorted. No definite schistossity Local thin beds of MG mass andesite		090963	80.16	80.67	0.51		.4	180
					64		82.50	1.87		.3	155
		Volcaniclastics	flow.		65		84.47	1.97		.5	190
			47.0-48.0 Strongly ep'd mass and flow		66		85.65	1.18		.8	410
54.37	85.65	Tuff	Mostly chloritic fragment tuff, minor feld xtl tuff but most of section is not well defined. Local			SLUDGES					
			mass flow & chl'd tuff sections, Minor local sil'n			0	- 4.87	4.87			105
			Sericitic sections to bottom				- 7.92	3.05			185
			76.26-77.57 Sericiticized tuff				10.97	3.05			250
			78.50-77.80 " "				14.02	3.05			210
			79.30-79.80 " "				17.07	3.05			235
			84.47-85.65 " "				20.12	3.05			4050
			77.50 5 cm of mass py.				23.16	3.05			225
			52.41-52.48 MG diorite dyke, sharp 80oCA contacts				26.21	3.05			710
			54.20-54.50 wh qtz-carb veins 45°CA w/FGypy→ 5%				29.26	3.05			415
			58.32-58.38 Diorite dyke 90° contact				32.31	3.05			425
			59.60 10 cm of broken, limonitic core				35.36	3.05			240
			60.75 Round 3 cm diorite clasts				38.40	3.05			295
			62.35-62.50 Broken Core				41.45	3.05			335
			65.24-67.77 Mod sil'd zone				44.50	3.05			365
			65.35-65.55 Intensely sil'd zone, gy-gn sil-ser				47.55	3.05			540
			alt ass w/FG milky qtz-carb 45°CA veining				50.60	3.05			570
			66.00 3 cm wide diorite dyke				53.65	3.05			580
			76.26-77.57 mod-intense sil'n, 1% FG y py stringers				56.69	3.05			430
			incl 5 cm vein 80°CA of mass py				59.74	3.05			605
			80.16-82.67 Silicified zone, ser on cleavage sur-				62.79	3.05			385
			faces. FG y py as w/ intense sil'n.				65.84	3.05			545
			82.10 broken core				68.88	3.05			375

LACANA MINING CORPORATION

DIAMOND DRILL RECORD

Hole #. LK-85-11 Page 4 of 4

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
54.37	85.65		84.47-85.65 Ser + gn chl on cleavage surfaces & milky FG qtz-carb stringers. Gy-gn sil'n of host			68.88	71.93	3.05			230
							74.98	3.05			270
cont'd			as 1 cm haloes around these veins				78.03	3.05			535
							81.08	3.05			545
			END OF HOLE.								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-12 Page 1 of 3

Property: KENA Location COPPER ZONE Down Hole Surveys Etch Drilled By: R. Beaupre

Area (Map #): 82-F/6W Grid: Depth: Az: ° Dip: ° From-To: June 16/85

Claim #: 49.07 ° -54 ° Size(s): NQ

M.D./County: NELSON M.D. Length: 49.07 (Units: m) ° ° Logged By: B. Johnston

Province: B.C. Azimuth: 090 ° Dip Collar: -55 ° ° ° Signed:

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	3.05		Casing		090967	3.05	4.50	1.45		.5	70
					68	4.50	6.02	1.52		.6	110
3.05	6.02	Massive Andesite Flow	FG dk gy gm w/feld grains. Local mod sil'n & crackle beccia zones. Or lin on broken surface		69	-8.00		1.98		.6	170
					70	-10.00		2.00		.5	70
6.02	20.76	Tuff	Section is made up of minor chloritic fragments in feldspar crystal tuff. Local sil'n esp in bottom 1 m. 1% diss py. Tr cp	45° CA bedding	71	-12.00		2.00		.6	95
					72	-14.00		2.00		.6	160
			7-9.0 m abundant lt gy qtz-carb veining @45°CA		73	-16.00		2.00		.5	240
					74	-18.00		2.00		.5	85
			9,5-12.0m crackle breccia zones		75	-19.52		1.52		.6	70
			19.52-20.76 mod intense sil'n 1-2% FG py diss &		76	-20.12		0.60		.6	100
			in stringers @ 60°CA		77	-20.76		0.64		.7	120
20.76	27.03	Chl'd & sheared tuff	section made up of bk & d gn chl 5-10% ep 1% py, Abund cc stringers		090978	-22.62		1.90		.5	90
					79	-25.00		2.38		.4	95
					80	-27.03		2.03		.5	150
27.03	34.28	Mass andesite flow	M. gy FG 20% of section as crackle breccia, w/2-5% py in as matrix		090981	-28.50		2.47		.8	160
					82	-29.83		1.33		.6	130

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
27.03	34.23				090983	29.83	31.92	2.09		.6	105
					84		33.28	1.36		.5	70
					85		34.28	1.00		.5	95
34.28	42.97	Sericitic Mass Andesite Flow	Lt gy Ser w/minor bk chl. Minor crackle breccia w/ ser'd clasts in bk chl-py matrix. Local sil'n		090986		34.90	0.62		.3	34
					87		35.80	0.90		.6	50
			1-2% brassy py.		88		37.50	1.70		.4	48
			34.90-35.80 Sericitic sheared section-is a chl-ser schist		89		39.50	2.00		.4	45
			39.40 Broken core		90		41.65	2.15		.4	50
			41.65-42.97 sheared section-chl ser schist		91		42.97	1.32		.7	140
42.97	45.74	Massive Andesite Flow	Minor ser 2-5% brassy py, diss & stringer		92		44.00	1.03		.8	200
					93		45.74	1.74		.7	225
45.74	49.07	Chloritized sheared andesite	Poss sheared tuff. No ser. Minor FG wh qtz veins w/ FG ypy		94		47.50	2.24		.5	140
					95		49.07	1.57		.3	250
			END OF HOLE.		SLUDGES	0	4.87	4.87			110
							7.92	3.05			155
							10.97	3.05			73
							14.02	3.05			140
							17.07	3.05			75
							20.12	3.05			65
							23.16	3.05			75
							26.21	3.05			45
							29.26	3.05			85
							32.31	3.05			70
							35.36	3.05			50
							38.40	3.05			110
							41.45	3.05			11

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-12 Page 3 of 3

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
					SLUDGES						
						41.45	44.50	3.05			125
							-47.55	3.05			90
							-50.60	3.05			270

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — Hole #. LK-85-13 — Page 1 of 3

Property: KENA	Location		Down Hole Surveys	Etch	Drilled By: S. Beaupre
Area (Map #): 82-F/6W	Grid: 48+51N/49+30W		Depth:	Az: •	Dip: • From-To: July 12-14/85
Claim #:			45.72	• -58 •	Size(s): NQ
M.D./County: NELSON M.D.	Length: 97.84 (Units: m)		97.84	• -48 •	Logged By: B. Johnston
Province: B.C.	Azimuth: 040 • Dip Collar: -55 •			•	• Signed:

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	3.96		Casing		090996	16.22	17.50	1.28		0.5	265
3.96	16.00	Epidotized Mass Andesite Flow	FGMG lt.m.gy groundmass w/lt gy eu-subhedral laths	55°CA tuff	97	25.54	27.50	1.96		.5	175
					98		29.50	2.00		.6	180
			3-5% diss & stringer FG brassy py. Local tuff beds. Locally, →2% ep		99		31.50	2.00		1.2	685
					091000		33.69	2.19		1.0	390
16.00	25.50	Tuff	Poorly bedded tuff w/local sections of chloritic fragment tuff. Minor mass flows		01		35.88	2.19		.7	470
					02		38.31	2.43		.5	295
			16.22-17.50 altered zone. Lt pk sil'n w/FG eu silver py in diss & stringers. Gn hydrothermal		03		40.43	2.12	.055	.7	1650
					04		42.39	1.96		8.4	515
			biot along irreg fractures. 18.27-18.42 Spec hem in small fractures w/wh cc		05		44.84	2.45		.5	350
					06		47.00	2.16		1.2	980
			21.00-21.64 Broken core. Vuggy qtz veins w/lim, py, cp, mo.		07		48.80	1.80	.149	1.0	4600
					08		49.89	1.09	.820	8.0	27420
			24.00 cp in thin gy-gn qtz vein		09		50.32	0.43		.7	260
			24.50-25.50 sl serd.		10		52.20	1.88		.8	330
					11		54.19	1.99	.046	1.1	1550

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
25.50	38.25	Rubbly Andesite Flow	Broken, rubbly texture. Local tuff beds. Local sil'n 26.25 minor cp		091012	54.19	56.00	1.81		.5	290
					13		-57.91	1.91		.6	190
			30.20-30.25 Intense sil'n w/FG v py		14		-59.80	1.89		.8	220
			30.83-21.10 " " "		15		-61.75	1.95		1.5	720
			31.98-32.76 Sil'd crackle breccia		16		-63.71	1.96	.075	2.9	2350
			33.0-35 m feldspar crystal tuff beds		17		-65.91	2.20		.6	370
			34.07-34.23 Intense sil'n ass w/45°CA wh qtz-carb		18		-67.50	1.59		.7	390
			34.90-35.22 " " " " veins		19		-69.13	1.63		1.1	395
38.25	44.85	Tuff	Not well defined. Some fine chloritic fragment beds	80°CA	20	71.11	71.63	0.52		0.5	590
			Local sheared, chloritized sections esp 39.17-40.43	bedding	21		-73.50	1.87		.1	225
			Minor massive flows		22	78.63	80.62	1.99		.1	235
			40.65 30°CA 2cm wide qtz w/coarse cp		23	82.22	84.78	2.56	.029	.4	1390
			41.30-41.60 2 cm CG qtz vein sub// to core w/FG		24	86.21	87.42	1.21	.044	.8	1480
			masses of cp → 1cm		25		-89.50	2.08		.2	260
44.85	49.89	Massive Andesite Flow	Locally MG 1-2% FG diss py. Minor tuff beds		26		-91.50	2.00		.7	930
			46.14 CG wh qtz vein W/ 5mm masses of cp		27		-93.19	1.69		.3	295
			48.60-48.80 mod sil'n w/minor ser		28		-95.00	1.81		.3	415
			48.80-49.80 Intense sil'n w/50% FG y py in 5-7 cm		29		-96.45	1.45		.3	650
			masses. Minor ser'n along contacts		30		-97.84	1.39		.1	465
					31	76.05	77.90	1.85		.3	295
49.89	50.32	Chloritized Volcaniclastics	1-2% coarse py		57	80.62	82.22	1.40		.3	175
			Bk FG chl. Minor mass flows		58	84.78	86.21	1.44		.5	170
50.32	57.91	Mass Andesite Flow	Locally sil-ser altered w/crackle brecciation.				SLUDGES				
			Minor chl'd volcaniclastic/tuff sections								
			56.50-57.91 Broken core w/vuggy wh qtz veins			0	-4.87	4.87			7800
			56.80-57.91 Bl-gy intense sil'n			4.87	-7.92	3.05			465
57.91	59.80	Tuff	Feldspar crystal tuff w/sections of chloritized	75°CA			-10.97	3.05			490
			sheared tuff. 1-2% FG py in chloritized sections	Tuff			-14.02	3.05			880
59.80	63.71	Silicified Crackle Breccia	Mod-intense sil-ser alt in crackle brecciated flow?								
			2-5% FG y py in matrix								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
63.71	65.91	Tuff	Mostly chloritic fragment tuff. Minor mass flows & chl fragments. Fine at top, → 5mm, but coarsen	70°CA tuff		SLUDGES 14.02	17.07	3.05			495
			→ 2 cm to bottom. Minor chloritized, sheared sections				20.12	3.05			215
						20.12	23.16	3.05			1650
			65.62-65.82 Intense sil'n w/amethyst, ser & FG py in 45°CA stringers.				26.21	3.05			1200
						26.21	29.26	3.05			1450
65.91	69.13	Rubbly Andesite Flow	FG 1-2% FG diss py Minor tuff beds				32.31	3.05			1500
						32.31	35.36	3.05			6300
69.13	78.64	Tuff	Coarse chloritic fragment tuff. 20% fragments → 2cm long, often pyritic	75°CA tuff			38.40	3.05			1300
						38.40	41.45	3.05			985
			71.11-71.63 sil'd crackle bx. Pk tinge 75.10-76.05 Badly broken core. 60% recovery. Or lin				44.50	3.05			2050
						44.50	47.55	3.05			3400
78.64	93.10	Mass. Andesite Flow	Minor tuff beds - esp @ 85 m. Crackle bx over 30% of section from 88-93 m				50.60	3.05			44000
						50.60	53.64	3.05			4500
			Crackle bx w/ 2-5% py in matrix Abundant wh cc stringers w/ py & minor cp				56.69	3.05			1330
						56.69	59.74	3.05			960
						59.74	62.79	3.05			3300
			90.83-90.95 FG diss cp & bo 86.26 7 cm of FG ser & gn biot ass w/milky qtz-				65.84	3.05			2500
						65.84	68.88	3.05			1190
			carb. breccia. 86.87-87.26 FG milky qtz-carb veining surr by bl-				71.93	3.05			1350
						71.93	74.98	3.05			1100
			gy pervasive sil'n FG y py.				78.03	3.05			1240
						78.03	81.08	3.05			720
93.19	96.45	Epidotized Tuff	Finely bedded 5-10% ep 1-2% FGMG py in stringers w/ wh cc. Minor flows. Red hem on broken surfaces		75°CA bedding		84.12	3.05			860
						84.12	87.17	3.05			2750
96.45	97.84	Tuff	Fine chloritic fragment tuff, locally chl'd & sheared. Only minor local ep <1% py.				90.22	3.05			1590
						90.22	93.27	3.05			2140
			END OF HOLE				96.32	3.05			1460
						96.32	97.84	1.52			1100

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LK-85-14 Page 1 of 5

Property: KENA Location Down Hole Surveys Etch/Pajari Drilled By: S. Beaupre

Area (Map #): 82-F/6W Grid: 48+55N/49+57W Depth: Az: Dip: From-To: July 14, 15 & Aug 8,9/85

Claim #: Etch 108.50 -52 Size(s): NQ

M.D./County: NELSON M.D. Length: 133.50 (Units: m) 133.50 -52 Logged By: B. Johnston

Province: B.C. Azimuth: 040 Dip Collar: -55 Pajari 133.50 033 -49 Signed: R.G.M.

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
0	4.26		Casing		091032	7.35	9.25	2.00		.1	135
4.26	9.35	Silver King Porphyry	Sheared ser'd. Actually a feldspar-sericite schist >1% VFG diss py, though locally more abundant		33	9.35	9.72	0.37		.3	175
					34	13.35	15.00	1.65		.5	835
9.35	13.35	Tuff	Includes some feldspar crystal tuff. Locally ser'd esp near contacts. Minor bk sheared, chl'd sections w/minor ep. 1% FGMG py		35		-17.06	2.06		.6	615
					36	23.16	23.60	0.53		1.7	395
					37	26.81	28.40	1.59		.5	710
					38		-29.80	1.40		.7	240
13.35	17.06	Silver King Porphyry	As above		39		-31.97	2.17		.6	315
					40		-34.00	2.03	.075	1.0	2180
17.06	26.81	Tuff	Includes some feldspar crystal tuff. Mass flows in first 2 m, sheared bk chl'd sections in bottom 1 m. 1-3% stringer py	60-70°CA bedding	41		-36.00	2.00		.4	390
					42		-38.00	2.00		.3	295
					43		-40.00	2.00		1.0	670
					44		-42.38	2.38		.7	515
26.81	38.00	Mass andesite Flow	FGMG local mod sil'n. Minor gn biot in local ~~stringers. 1-2% brassy py as fine diss & in 2mm~~ masses. Tr ep. ~~29.80-31.97 Altered~~ dyke (?) FG lt gy-pk ground-		45	49.29	5060	1.31		.1	165
					46		-52.45	1.85		.7	315
					47		-54.50	2.05		.8	560

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
26.81-38.00 cont'd			mass w/local minor round 2-10 mm patches of d.gn chl w/py - poss alt mafic phenos. 1% FG diss py		091048	54.50-56.50	2.00		2.0	810
					49	-58.48	1.98		1.8	715
			w/tr cp 45° contacts		50	-59.84	1.36		1.3	465
			32.40-32.52 Soft gn chl-biot, minor ser, & clay		51	-60.71	0.87		0.4	390
			alteration		52	-63.10	2.39		0.7	315
					53	-65.00	1.90		0.4	215
38.00-53.00		Tuff	Dominantly feldspar crystal tuff 1-2% brassy diss py. Local massive flows & chloritic fragment tuff	65°CA	54	-67.00	2.00		0.5	205
					55	-69.00	2.00		0.9	315
			Minor local cp		56	-70.81	1.81		1.3	365
			41.92-41.98 FG gy qtz veins w/apple gn biot as		59	-72.96	2.15		1.0	150
			fine masses FG py in stringers cut this		60	-75.00	2.04		1.5	460
			43.10-43.60 30% of section is 2 cm irreg wh MG qtz-		61	-77.00	2.00		0.7	370
			carb veins. Minor cp		62	-79.00	2.00		0.8	495
			46.50 Minor 5 mm masses of FG cp w/cc stringers		63	-81.57	2.57		0.7	315
53.00-64.00		Mass Andes. Flow	MG local sil'n w/crackle breccia w/→ 1-5% FG ypy in matrix		64	-82.48	0.89		0.5	515
					65	-84.25	1.77		0.7	895
			53.56-53.79 Alt diorite/granodiorite dyke		66	-86.50	2.25	.051	0.7	1550
			58.48-59.84 alt qtz diorite dyke FG pk sil'd ground		67	-88.50	2.00		0.6	250
			mass w/local gn chl (alt mafic) masses. 1-5% VFG		68	-90.88	2.38		0.6	260
			diss py. Apple gn biot in fine stringers. 45°		69	-93.00	2.12		0.6	225
			contacts. Same as 29.80-31.97 this hole		70	-95.00	2.00		0.7	580
			62.41-62.47 dyke sim to above 1 cm chill margins		71	-97.00	2.00		0.3	210
64.00-67.50		Tuff	Coarsefeldspar xtl tuff grades out of MG and flow. 2-5% diss & stringer py		72	-99.00	2.00		0.1	145
					73	-100.88	1.88		0.4	735
67.50-70.81		Crackle Brecc'd Mass & Flow	Most of section sil'd & crackle brecciated		74	-103.00	2.12	.065	0.4	2350
			70.03-70.81 5% MG py in 1 cm mass veins 90°CA		75	-105.39	2.39	.041	0.7	1300
70.81-75.00		Sheared, Chl'd Tuff	Bk soft, bk chl on cleavage surface. 2-10% py CG py		76	-107.50	2.11		0.7	900
			ass w/qtz stringers, FG "framboidal" masses in		77	-109.50	2.00		0.3	520

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
70.81-75.00 Cont'd			sheared tuff. 60°CA qtz veins. Tuff beds inc to bottom		091078	109.50	111.50	2.00		0.1	295
					79		113.50	2.00		0.1	220
			71.16-71.42 FG sil'd dyke(?) sharp 45° CA contact 1% FG diss py. Gradational		80		115.50	2.00		0.3	195
					81		117.26	1.76		0.3	510
75.00-81.57		Mass Andesite Flow	Sheared, chl'd tuff interbeds in top 2m. Flow locally ser-sil alt & crackle brecciated. Local		82		119.50	2.24		0.5	540
					83		121.50	2.00		0.5	155
			rubbly beds		84		123.50	2.00		0.8	400
					85		125.50	2.00		0.7	170
81.57-82.48		Tuff	Mostly chloritic fragment tuff. 2-3% stretched, chloritized lithic(?) fragments >1% FG diss py	45°CA bedding	86		127.50	2.00		1.0	480
					87		129.50	2.00		0.5	120
82.48-90.88		Mass. And.	Dk-lt gy. Local rubbly beds. Local ser alt through section		88		131.50	2.00		0.5	645
					89		133.50	2.00		0.4	185
			84.25-85.30 Intense sil'n minor crackle breccia		0293	10.02	11.50	1.48	.282	40.4	6800
			86.05-86.14 FG lamprophyre dyke 40°contacts		94		13.35	1.85		.6	380
90.88-100.88		Tuff	Fine chloritic fragment tuff. Fragments → 3mm Local massive tuff beds. Minor local ser'n >1%				SLUDGES				
			FG diss py Tr cp. Red hem on local fractures			0	4.87	4.87			160
			92-80-93.60 Med ser-sil'n w/minor amethyst stringers				7.92	3.05			200
			Feldspar xtl tuff in bottom 1m				10.97	3.05			290
							14.02	3.05			1150
100.88-105.39		Mass And. Flow	Local rubbly beds. minor sil'd cracklebx sections				17.07	3.05			2250
			Minor cp w/local gy qtz stringers. Ser'n widespread				20.13	3.05			740
			Wh-gy qtz stringers throughout. locally w/→ 40% py				23.16	3.05			600
							26.21	3.05			480
105.39-117.26		Tuff	Chloritic fragment tuff → 110 m, then mostly felds crystal tuff, massive tuff in last 3m. Local cp.	60-80°CA tuff			29.26	3.05			1350
							32.31	3.05			570
							35.36	3.05			7150
							38.40	3.05			850

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
117.26	133.50	Epidotized Mass And. Flow	MG D.m.gy 1-10% ep. 1% FGMG diss & stringer py. Local tuff beds to bottom. Local 2-3 mm wh or gy FG qtz stringers, some w/spec hem or FG y py.			SLUDGES Cont'd					
						38.40	41.45	3.05			3700
							44.50	3.05			2500
			END OF HOLE				47.55	3.05			960
							50.60	3.05			975
							53.64	3.05			410
							56.69	3.05			1150
							59.74	3.05			1050
							62.79	3.05			1500
							65.84	3.05			500
							68.88	3.05			470
							71.93	3.05			410
							74.93	3.05			510
							78.03	3.05			645
							81.08	3.05			530
							84.12	3.05			860
							87.17	3.05			1950
							90.22	3.05			675
							93.27	3.05			290
							96.32	3.05			1400
							99.36	3.05			350
							102.41	3.05			1510
							105.46	3.05			2700
							108.51	3.05			1150
							111.56	3.05			470
							114.60	3.05			460

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag ppm	ASSAYS Au ppb
							SLUDGES	Cont'd			
						114.60	-117.65	3.05			490
							-120.70	3.05			690
							-123.75	3.05			730
							-126.80	3.05			500
							-129.84	3.05			560
							-132.89	3.05			225

APPENDIX V

DRILL CORE MULTIELEMENT ANALYSES

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-CORE P2-ROCK P3-SLUDGE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA.
P4,5 - SLUDGE

DATE RECEIVED: JUNE 16 1985 DATE REPORT MAILED: June 24/85 ASSAYER. T. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - 6919 FILE # 85-0952 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB
90751	1	139	13	86	.4	24	29	1261	6.56	13	5	ND	1	79	1	2	2	140	2.17	.20	2	122	2.90	33	.23	2	2.54	.03	2.01	1	115	30
90752	1	7	6	28	.1	5	8	568	2.15	10	5	ND	1	99	1	3	2	12	2.40	.12	2	3	.57	58	.08	5	.83	.03	.32	1	46	10
90753	1	7	9	31	.1	3	7	642	2.19	3	5	ND	1	124	1	2	2	11	2.67	.13	2	4	.56	53	.07	6	.83	.02	.35	1	67	40
90754	1	175	11	82	.6	16	27	1324	6.45	9	5	ND	1	142	1	2	2	126	2.54	.16	4	57	2.33	86	.22	7	2.56	.02	1.90	1	225	50
90755	1	598	11	92	.7	17	27	1632	7.41	3	5	ND	1	145	1	2	2	186	2.67	.19	2	62	3.16	233	.34	5	3.52	.03	2.82	1	250	50
90756	2	584	16	72	.9	13	40	1226	6.14	11	5	ND	1	137	1	2	2	133	2.67	.20	2	33	2.30	86	.26	9	2.40	.03	1.88	1	175	20
90757	2	337	13	90	.9	15	31	1265	6.78	2	5	ND	1	179	1	2	2	129	2.88	.20	2	36	2.38	83	.26	5	2.54	.02	2.01	1	250	40
90758	3	866	10	105	1.6	10	49	1098	5.05	12	5	ND	2	193	1	2	2	65	3.43	.21	5	10	1.71	89	.17	5	1.79	.02	1.38	1	245	10
90759	5	479	18	101	.9	10	31	709	4.81	10	5	ND	2	103	1	2	2	65	1.67	.22	2	13	1.62	67	.11	7	1.49	.03	.96	1	185	30
90760	4	289	9	72	.4	13	32	744	5.38	15	5	ND	2	142	1	3	2	66	2.18	.22	3	16	1.84	59	.15	3	1.72	.02	1.28	1	170	20
90761	4	501	17	74	1.7	17	48	690	7.41	8	5	ND	1	139	1	2	2	80	1.94	.21	2	26	2.22	29	.11	7	1.72	.03	1.31	1	565	10
90762	3	288	12	139	.7	13	22	763	5.65	10	6	ND	2	75	1	2	2	105	1.32	.23	2	15	2.80	44	.16	9	2.13	.04	1.77	1	355	20
90763	8	732	117	1675	3.5	11	47	357	9.40	18	10	4	2	20	11	2	5	59	.40	.23	2	5	1.56	15	.07	8	1.41	.02	1.00	1	3190	5
90764	5	297	33	167	.8	20	35	818	8.54	18	8	ND	1	78	1	2	2	118	1.41	.21	2	35	3.10	25	.14	4	2.31	.02	1.87	1	775	5
90765	6	114	7	109	.2	14	31	953	7.45	24	7	ND	1	90	1	2	2	149	1.81	.22	2	21	3.30	40	.23	2	2.54	.03	2.13	1	185	5
90766	3	287	13	116	.5	50	33	1769	7.59	17	8	ND	1	143	1	2	2	196	2.79	.16	6	254	4.44	70	.28	2	3.67	.02	3.13	1	240	10
90767	5	333	2	127	.3	40	43	1171	7.66	20	15	ND	2	80	1	2	2	211	1.26	.21	2	195	4.69	44	.24	2	3.49	.03	2.84	1	110	5
90768	4	300	15	90	.4	16	36	963	7.05	9	5	ND	2	108	1	2	2	114	2.10	.21	5	46	2.82	45	.22	3	2.32	.03	1.93	1	165	5
90769	2	244	15	107	.4	32	36	1468	7.60	13	5	ND	1	136	1	2	2	178	2.68	.19	2	121	3.63	82	.31	2	3.34	.02	2.81	1	295	30
90770	4	65	27	40	.7	10	32	301	10.95	32	5	ND	3	64	1	2	5	34	1.06	.17	2	4	.45	15	.08	2	.54	.02	.36	1	615	5
90771	7	183	28	57	.7	6	44	326	8.54	34	5	ND	2	63	1	2	10	52	.94	.19	2	4	.76	15	.08	3	.74	.02	.56	1	1210	5
90772	7	632	15	113	.7	15	35	669	6.31	32	7	ND	1	39	1	2	2	127	.77	.22	5	50	3.53	39	.23	3	2.46	.03	2.22	1	275	5
90773	8	425	8	85	.6	11	39	604	6.05	26	8	ND	1	55	1	2	2	88	.98	.22	2	24	2.57	34	.18	2	1.83	.02	1.58	1	380	10
90774	7	95	16	105	.4	31	34	632	6.36	45	6	ND	3	182	1	2	2	103	1.62	.33	19	69	2.57	22	.19	9	1.71	.03	1.36	1	215	5
90775	4	165	37	91	1.1	17	36	501	8.89	70	6	ND	2	81	1	2	7	80	1.17	.15	5	32	1.40	15	.08	4	1.02	.03	.72	1	340	5
90776	5	433	14	222	1.0	24	27	803	7.42	51	7	ND	2	77	1	2	2	112	1.27	.20	2	66	2.68	34	.21	2	2.15	.02	1.81	1	495	5
90777	5	301	13	681	.7	10	26	631	5.68	40	5	ND	3	85	3	2	2	81	1.34	.23	5	15	1.82	37	.18	2	1.57	.03	1.27	1	275	130
90778	3	506	8	83	.9	9	32	655	5.93	20	5	ND	3	155	1	2	2	67	1.81	.22	4	6	1.61	31	.11	8	1.30	.02	.90	1	450	10
90779	2	452	8	99	1.0	14	32	783	6.76	14	5	ND	3	154	1	2	2	85	1.92	.23	2	31	2.38	40	.13	2	1.72	.03	1.34	1	465	5
90780	2	232	10	69	.9	9	21	642	6.16	14	5	ND	2	130	1	2	10	58	1.77	.22	4	5	1.25	37	.07	7	1.01	.03	.74	1	1460	5
90781	2	223	17	79	.9	5	26	663	6.52	23	5	2	2	147	1	3	9	63	2.08	.22	6	7	1.10	29	.09	2	1.04	.02	.72	1	2250	5
90782	42	163	47	67	3.3	11	63	750	16.30	83	5	6	1	137	1	2	24	58	1.88	.12	2	11	1.13	12	.05	2	.93	.01	.59	1	9050	5
STD C/AU-0.5	20	59	38	135	6.9	72	30	1167	3.92	39	17	7	36	51	18	16	22	56	.48	.16	39	60	.88	187	.08	42	1.71	.06	.10	12	485	1400

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA. AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUNE 19 1985 DATE REPORT MAILED: June 28/85 ASSAYER. Y. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

LACANA MINING PROJECT - 6919 FILE # 85-1001 PAGE 2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB	Au OZ/T
90783	9	142	9	60	1.7	9	38	634	8.08	35	5	5	2	134	1	2	8	59	2.09	.22	9	8	1.13	12	.08	2	1.04	.02	.70	1	3650	5	.126
90784	4	77	8	53	.6	6	26	573	4.45	9	5	2	3	106	1	2	2	54	1.58	.22	8	4	1.00	25	.08	2	.93	.03	.66	1	1210	5	.048
90785	1	21	6	67	.2	8	21	648	4.11	7	5	ND	2	143	1	2	2	83	2.26	.22	7	9	1.39	34	.10	4	1.24	.04	.87	1	165	30	-
90786	1	118	5	83	.5	7	19	1074	5.48	2	5	ND	2	225	1	2	2	66	4.27	.20	10	14	1.83	40	.18	3	1.99	.01	1.49	1	825	50	-
90787	1	122	3	79	.2	9	11	1038	4.44	2	5	ND	1	193	1	2	2	77	3.55	.22	10	23	1.94	97	.20	2	2.12	.02	1.58	1	105	20	-
90788	1	21	3	74	.3	12	24	849	4.85	11	5	ND	3	194	1	2	2	118	3.03	.20	8	24	1.96	40	.14	2	1.74	.03	1.11	1	180	20	-

APPENDIX VI

STATEMENT OF QUALIFICATIONS

APPENDIX VI

STATEMENT OF QUALIFICATIONS

I, ROBERT J. JOHNSTON of the City of Vancouver, B. C. do hereby certify that:

1. I am a graduate of the University of Saskatchewan with a B.Sc in Geological Services, 1982.

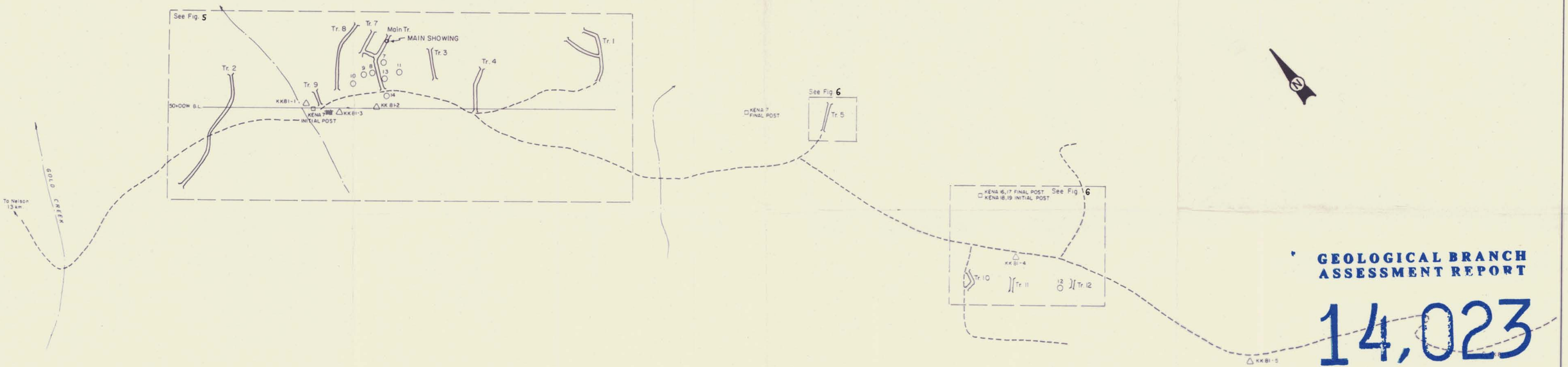
2. I am presently employed as a geologist with Lacana Mining Corporation of 312 - 409 Granville St., Vancouver, B.C.

3. I have practiced my profession with various mining companies in B.C., Yukon, Northwest Territories and Ontario during field seasons since 1976.

4. I personally oversaw the project on which this report is based.

DATED at Vancouver, B.C. this Fourth day of November 1985

R. J. Johnston



LEGEND

Tr. 5	1985 LACANA BACKHOE TRENCH
○12	" " DIAMOND DRILL HOLE
△KK81-2	1981 KERR ADDISON " " "
----	ROAD
←——	CREEK
□	CLAIM POST
▨	CORE ROCKS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,023

LACANA

CONSENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

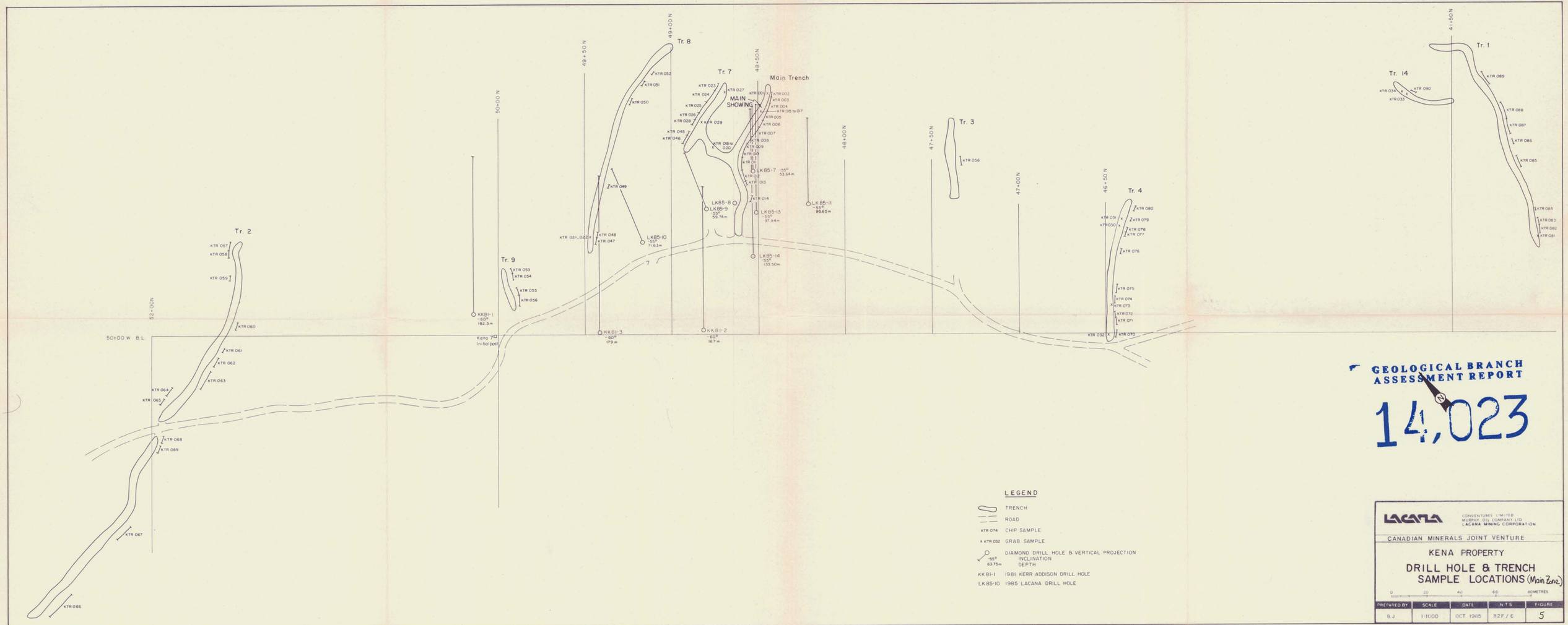
CANADIAN MINERALS JOINT VENTURE

KENA PROPERTY

DRILL HOLE & TRENCH LOCATIONS

0 100 200 400 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J.	1:5000	OCT. 1985	82F/6	4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KTR 060
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KTR 062
KTR 063
KTR 064
KTR 065
KTR 068
KTR 069
KTR 067
KTR 066
52+00N
50+00 W B.L.
50+00 N
KK81-1
-60°
182.3m
Kena 7
Initialpost
Tr. 9
KTR 053
KTR 054
KTR 055
KTR 056
49+50 N
49+00 N
Tr. 8
KTR 052
KTR 051
KTR 050
KTR 049
KTR 021,022
KTR 048
KTR 047
LK85-10
-55°
71.63m
KK81-3
-60°
179 m
48+50N
Tr. 7
KTR 023
KTR 024
KTR 025
KTR 026
KTR 028
KTR 029
KTR 045
KTR 046
KTR 081 to 020
MAIN SHOWING
Main Trench
KTR 001
KTR 002
KTR 003
KTR 004
KTR 005 to 017
KTR 005
KTR 006
KTR 007
KTR 008
KTR 009
KTR 010
KTR 011
KTR 012
KTR 013
KTR 014
LK85-7
-55°
53.64m
LK85-8
LK85-9
-55°
59.74m
LK85-13
-55°
97.84m
LK85-14
-55°
133.50m
KK81-2
-60°
167 m
LK85-11
-55°
85.65m
48+00 N
47+50 N
Tr. 3
KTR 056
47+00 N
46+50 N
Tr. 4
KTR 080
KTR 079
KTR 078
KTR 077
KTR 076
KTR 075
KTR 074
KTR 073
KTR 072
KTR 071
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KTR 031
KTR030
KTR 032
41+50N
Tr. 1
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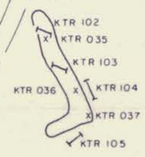
KTR 087
KTR 086
KTR 085
KTR 084
KTR 083
KTR 082
KTR 081
Tr. 14
KTR 090
KTR 034
KTR 033
LEGEND
TRENCH
ROAD
KTR 074 CHIP SAMPLE
X KTR 032 GRAB SAMPLE
-55° 63.75m DIAMOND DRILL HOLE & VERTICAL PROJECTION
INCLINATION
DEPTH
KK81-1 1981 KERR ADDISON DRILL HOLE
LK85-10 1985 LACANA DRILL HOLE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,023
LACANA
CONSUNTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION
CANADIAN MINERALS JOINT VENTURE
KENA PROPERTY
DRILL HOLE & TRENCH
SAMPLE LOCATIONS (Main Zone)
0 20 40 60 80 METRES
PREPARED BY
B.J
SCALE
1:1000
DATE
OCT. 1985
N.T.S.
82F/6
FIGURE
5
CHONG

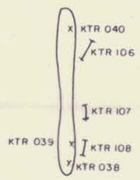
□ KENA 16,17 FINAL POST
KENA 18,19 INITIAL POST

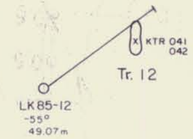
O KK 81-4

Tr. 10



Tr. 11





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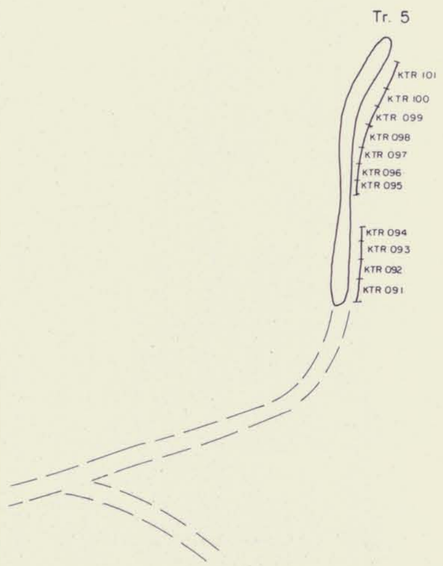

LEGEND

- TRENCH
- ROAD
- KTR 101 CHIP SAMPLE
- x KTR 040 GRAB SAMPLE

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,023

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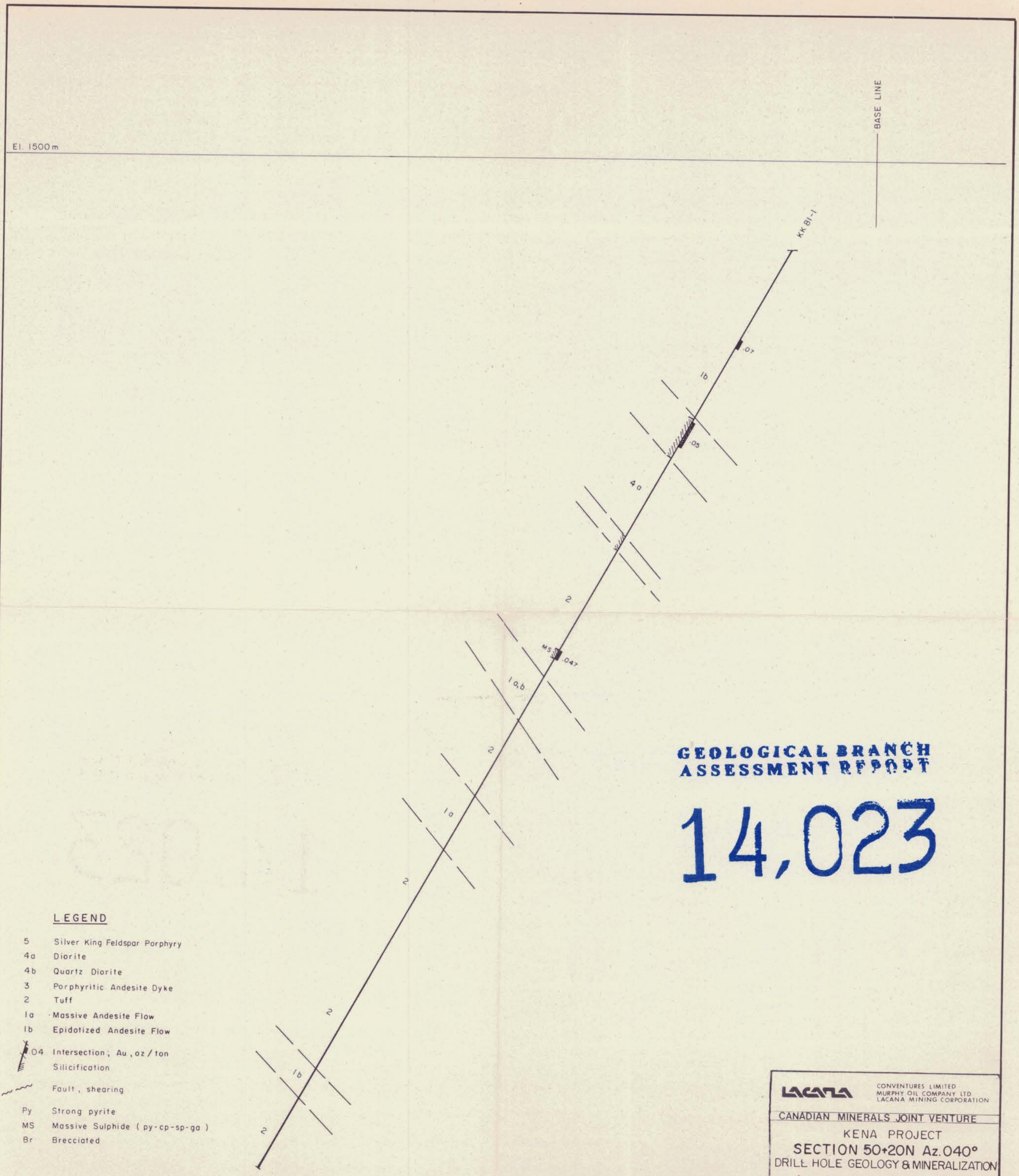
CANADIAN MINERALS JOINT VENTURE

KENA PROPERTY

TRENCH SAMPLE LOCATIONS
(Copper Zone)

0 20 40 80 METRES

PREPARED BY	SCALE	DATE	N T S	FIGURE
B.J	1:1000	OCT. 1985	82F/6	6



LEGEND

5	Silver King Feldspar Porphyry
4a	Diorite
4b	Quartz Diorite
3	Porphyritic Andesite Dyke
2	Tuff
1a	Massive Andesite Flow
1b	Epidotized Andesite Flow
.04	Intersection; Au, oz/ton
	Silicification
	Fault, shearing
Py	Strong pyrite
MS	Massive Sulphide (py-cp-sp-ga)
Br	Brecciated

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CANADIAN MINERALS JOINT VENTURE

KENA PROJECT

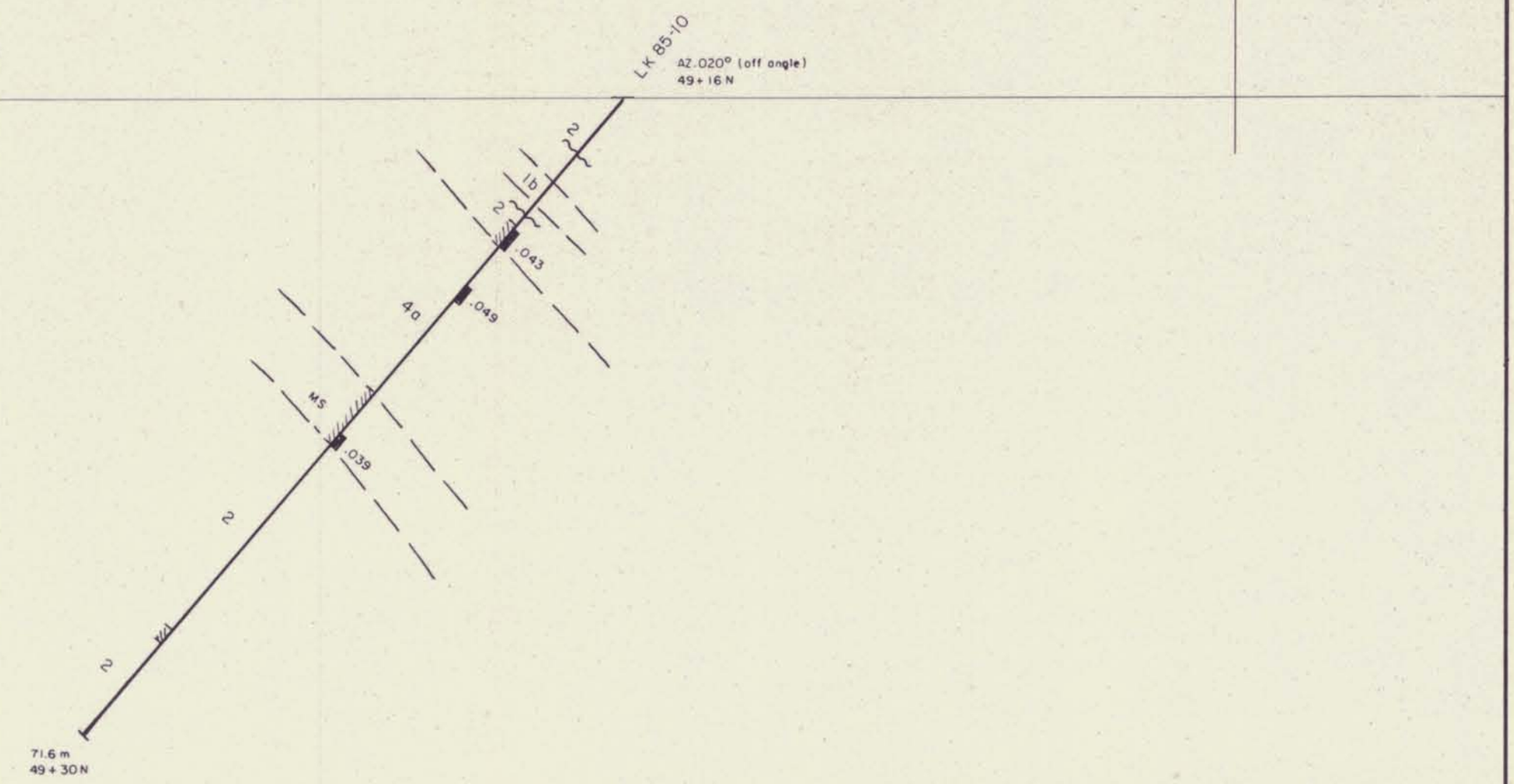
SECTION 50+20N Az.040°

DRILL HOLE GEOLOGY & MINERALIZATION

0 5 10 25 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J./R.W.	1:500	OCT. 1985	82F/6	7

CHONG



LEGEND

5	Silver King Feldspar Porphyry
4a	Diorite
4b	Quartz Diorite
3	Porphyritic Andesite Dyke
2	Tuff
1a	Massive Andesite Flow
1b	Epidotized Andesite Flow
.04	Intersection; Au, oz/ton
	Silicification
	Fault, shearing
Py	Strong pyrite
MS	Massive Sulphide (py-cp-sp-ga)
Br	Brecciated

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CANADIAN MINERALS JOINT VENTURE

KENA PROJECT

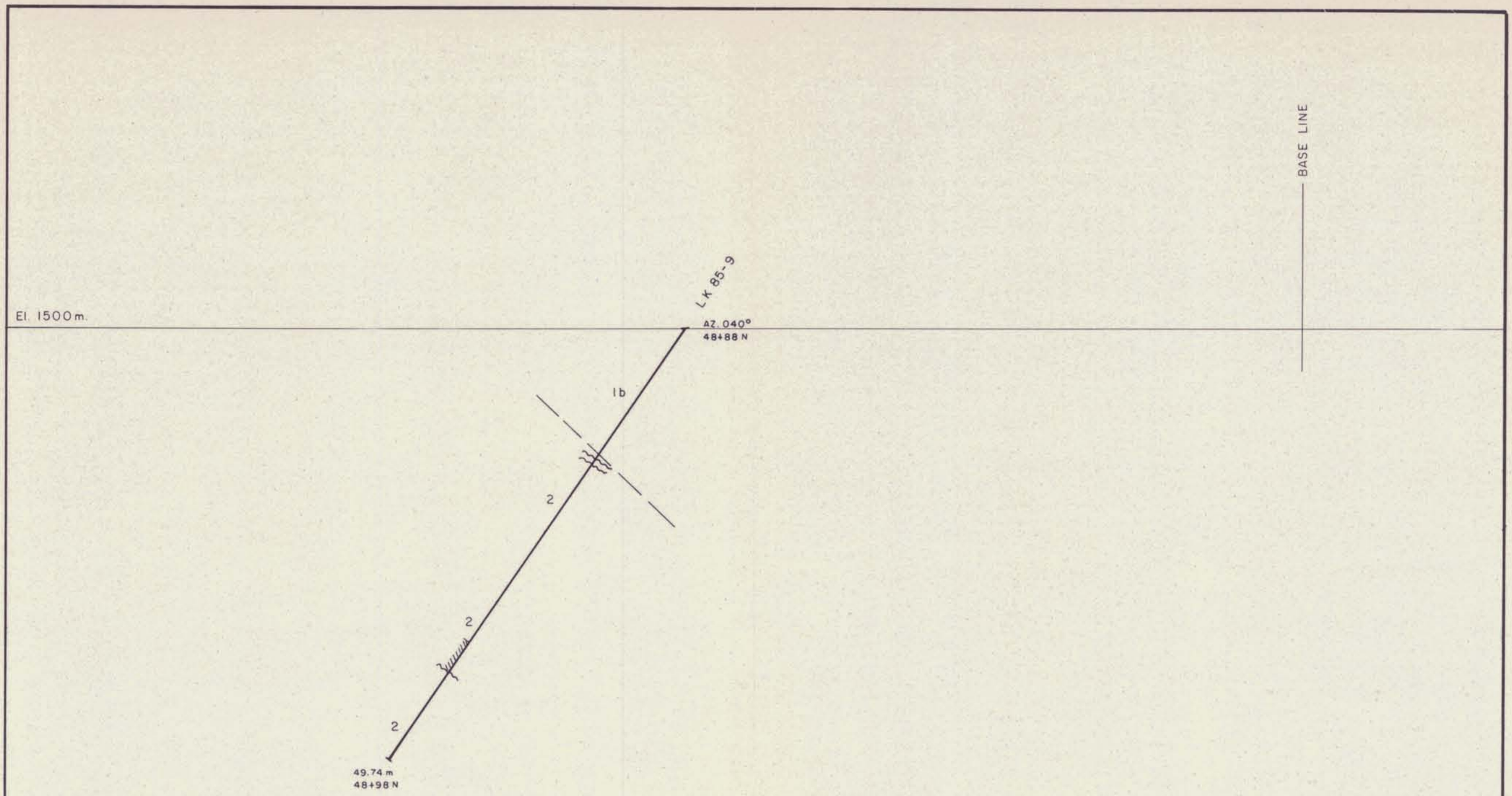
SECTION 49+09N Az.040°

DRILL HOLE GEOLOGY & MINERALIZATION

0 5 10 25 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J./R.W.	1:500	OCT. 1985	82F/6	8

CHONG



LEGEND

5	Silver King Feldspar Porphyry
4a	Diorite
4b	Quartz Diorite
3	Porphyritic Andesite Dyke
2	Tuff
1a	Massive Andesite Flow
1b	Epidotized Andesite Flow
.04	Intersection; Au, oz/ton
	Silicification
	Fault, shearing
Py	Strong pyrite
MS	Massive Sulphide (py-cp-sp-ga)
Br	Brecciated

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CANADIAN MINERALS JOINT VENTURE

KENA PROJECT

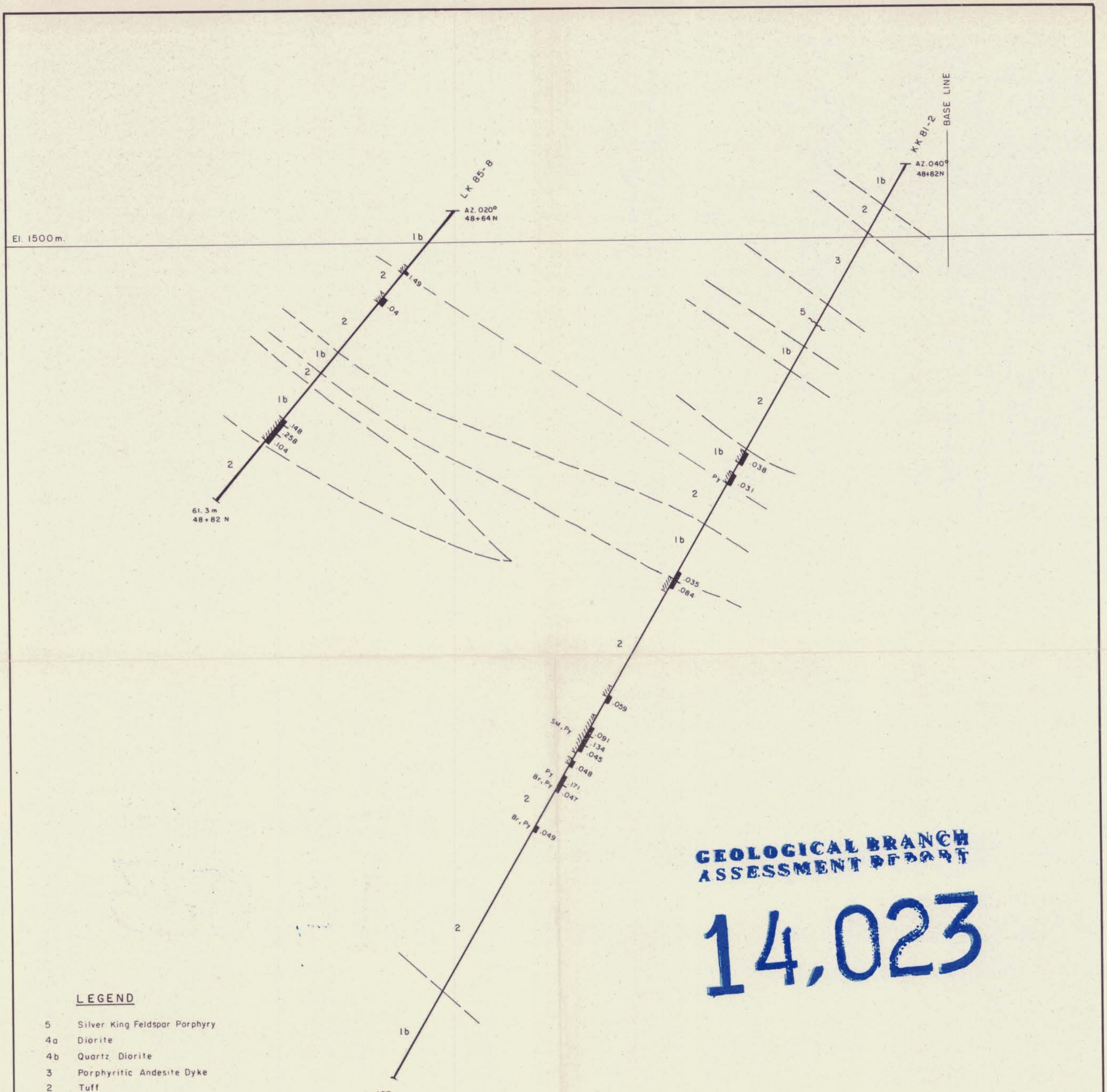
SECTION 48+88N Az.040°

DRILL HOLE GEOLOGY & MINERALIZATION

0 5 10 25 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J./R.W.	1:500	OCT. 1985	82F/6	9

CHONG



LEGEND

5	Silver King Feldspar Porphyry
4a	Diorite
4b	Quartz Diorite
3	Porphyritic Andesite Dyke
2	Tuff
1a	Massive Andesite Flow
1b	Epidotized Andesite Flow
.04	Intersection; Au, oz/ton
	Silicification
	Fault, shearing
Py	Strong pyrite
MS	Massive Sulphide (py-cp-sp-ga)
Br	Brecciated

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KENA PROJECT

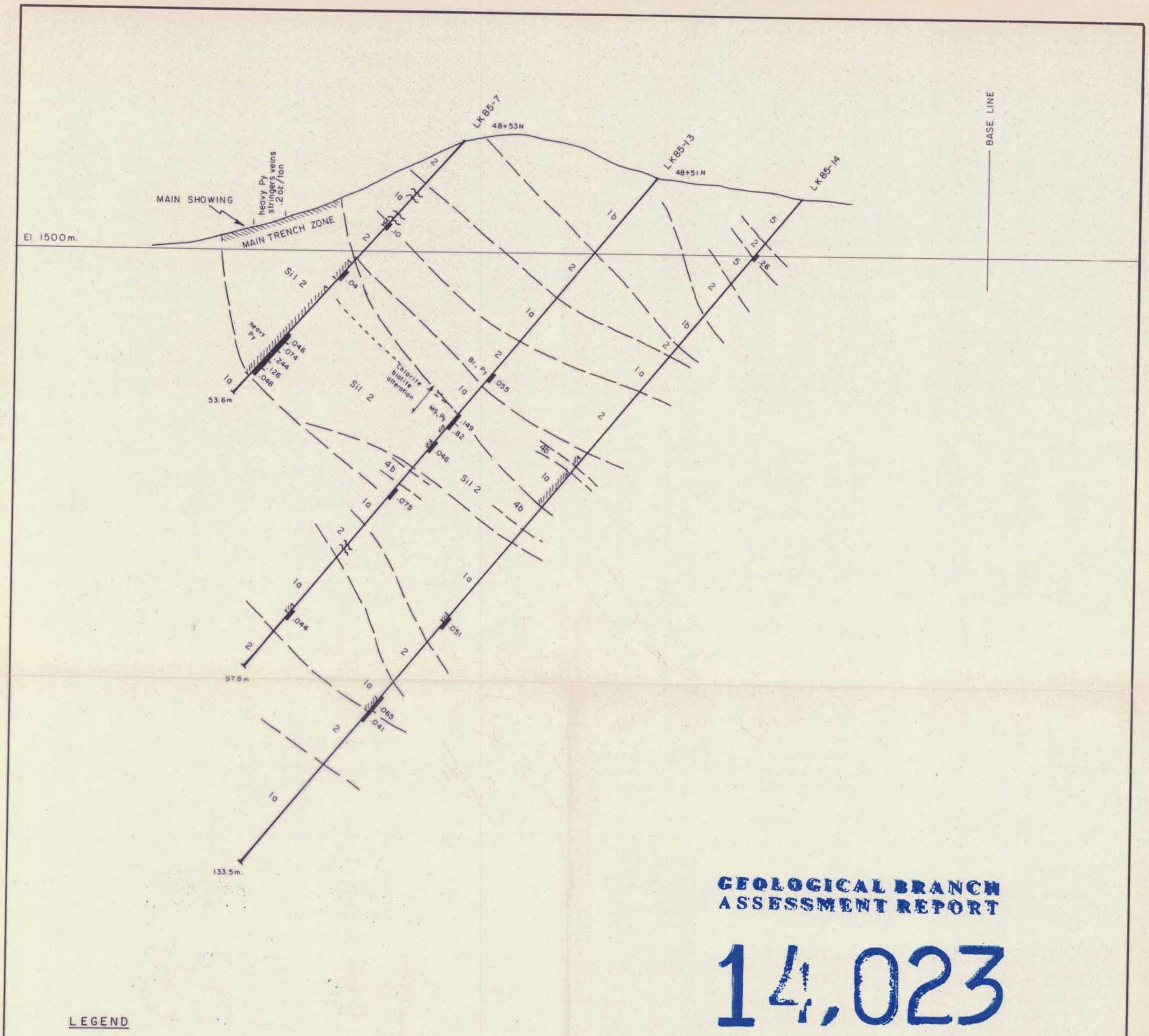
SECTION 48+82N Az.040°

DRILL HOLE GEOLOGY & MINERALIZATION

0 5 10 25 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J./R.W.	1:500	OCT. 1985	82F/6	10

CHONG



LEGEND

5	Silver King Feldspar Porphyry
4a	Diorite
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3	Porphyritic Andesite Dyke
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.04	Intersection; Au, oz/ton
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Br	Brecciated

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KENA PROJECT

SECTION 48+50N Az.040°

DRILL HOLE GEOLOGY & MINERALIZATION

0 5 10 25 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
B.J./R.W.	1:500	OCT. 1985	82F/6	11

CHONG