REPORT ON EXPLORATION DURING 1985 ON THE CAMKING PROPERTY, POWELL TOWNSHIP, LARDER LAKE MINING DIVISION, ONTARIO

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

CONCLUSIONS AND RECOMMENDATIONS

The 1985 Lacana drill program demonstrated that gold mineralization at the main showing is controlled by a major northeasterly trending shear zone which has been partially healed by syenitic intrusive rocks and associated alteration. Initial surface sampling at the main showing had suggested an easterly trend to the mineralization and possible stratigraphic control. However this was not the case since later east trending fractures had transported gold values in that direction, enhancing high background gold values in a sequence of chemical sedimentary rocks.

Gold values in the shear zone are generally in the 0.02 to 0.11 oz/T range and increase with pyrite content and fracture density. The better widths and average grades of gold mineralization (.07 oz/T Au over 30 feet) occur within the shear zone where it cuts a narrow sequence of chemical sediments, 40 feet wide.

Geological mapping indicates that the shear zone is intersected 400 to 600 feet to the southwest of the drilled area by a later swarm of diabase dikes over 300 feet wide. To the northeast a 150 feet wide diabase dike lies within 100 feet of the eastern most hole. This gives the shear zone a maximum uninterrupted length of 900 feet.

On the basis of generally sub-economic gold grades and limited strike potential no further work is warranted. It is recommended that the CamKing option be dropped this October.

INTRODUCTION

Matachewan is a former gold mining camp which had two medium size producers, the Young Davidson Mine and Matachewan Consolidated Mine from the late 1920's until the 1960's. These two mines combined had a total production of over 5 million tons grading a little over 0.1 oz/T Au.

The CamKing property lies less than 2 miles northwest of Young Davidson Mine in Powell Township (Figure 1). A property visit was made late in September 1984. The property had received a limited amount of work by the owners and during a short option by Copper Lake Mines, this work had not adequately tested the main gold showing.

The initial property examination confirmed the sampling results of the previous work in the main showing area. A 30 feet section of fractured, pyritic, cherts in the main trench averaged .08 oz/T Au and a sample of fractured iron formation ran 1.55 oz/T Au.

Following these results, three days were spent mapping and chip sampling the main showing area. These surveys indicated that gold mineralization continued in the fractured cherts for 100 feet east and west of the main showing. The widths of low grade gold values in this area suggested possible open pit potential.

In late October 1984, Lacana took an option on the 9 claim property from CamKing Exploration and Resources Ltd. During 1985 a program of line cutting,

geophysics, diamond drilling, geological mapping and prospecting was conducted on the property by Lacana. This report gives details of the work as well as the results and discusses the nature of the gold mineralization and its economic potential.

LOCATION AND ACCESS

The CamKing property is located in the centre of Powell Township, west of old Highway 566 (Figure 1) and is approximately 4 miles by road northwest of Matachewan. Access from Highway 566 is by bush road beginning at Ryan Lake Mine (Extender Minerals) a distance of 2 miles with 4 W.D. vehicle or ski-doo.

PROPERTY OWNERSHIP AND CLAIM STATUS

The CamKing property consists of 9 contiguous mining claims in central Powell Township, Larder Lake Mining Division, Ontario (Figures 1 and 2). A legal survey has been made of all the claims followed by an application for lease (prior to Lacana's option).

Claim Number	Anniversary Date	Holder
L 367899	May 8, 1973	Don Campbell
L 367900	May 8, 1973	Don Campbell
L 372901	May 8, 1973	Don Campbell
L 372904	May 8, 1973	Don Campbell
L 372905	May 8, 1973	Don Campbell
L 372908	May 8, 1973	Don Campbell
L 372909	May 8, 1973	Don Campbell
L 372910	May 8, 1973	Don Campbell
L 372911	May 8, 1973	Don Campbell

Total 9 claims - approximately 400 acres

Address: Mr. D. Campbell
214 Anabalis Street
Matachewan, Ont.

HISTORY OF PREVIOUS WORK

The Matachewan area has a long prospecting history dating back to the turn of the century. Following the discovery and development of the Young Davidson and Matachewan Consolidated gold mines in the 1920's and 1930's, Powell and Cairo Townships received a great deal of exploration activity.

- Pre 1975. Henry King, Campbell and Welsh concentrated on the area west of Young Davidson Mine, out to Mistinikon Lake. King and Campbell's work involved basic propsecting,follow-up bulldozer stripping and trenching. This work located a number of gold and silver showings. One discovery was of gold in pyritic, altered, sediments (main showing) in the northern part of the CamKing property.

- 1975. The property was optioned to Copper Lake Exploration. Work by Thomas Skimming and Associates Ltd. involved trenching, some detailed mapping, line cutting, induced polarisation survey followed by three holes for 572 feet. The trenching of the main showing returned .12 Opt. Au over 15 feet. Hole CL-1 drilled beneath the showing intersected .095 Opt Au/6.0 feet and .305 Opt Au/5.0 feet in fractured, pyritic sediments (siliceous). Copper Lake's other two holes tested IP anomalies to the east and west (different areas) and did not yield any significant assays. The property was dropped without further testing of the showing zone.

- 1979. Magnetometer and VLF surveys on selected lines by Sylva Explorations Ltd. The geophysics was on too widely spaced lines to give meaningful data.

- 1981. Single, 170 foot long hole by H. King drilled 80 feet west of CL-1 (along strike - stratigraphically). The hole intersected a wide zone of pyritic, altered, sediments with .09 Opt Au/30 feet and .07 Opt Au/10 feet. More bulldozer stipping and trenching was completed west of this hole.

- 1981 - 1984. No further work on the property with the exception of company visits by Chevron, Rio Canex, Kerr Addison, etc.

REGIONAL GEOLOGY

The regional geology of the Matachewan area can be seen on map 2100 'Powell and Cairo Townships, Timiskaming District', which accompanies Geological Report 51 published by the Ontario Department of Mines (1967).

Matachewan lies at the southwestern end of the Abitibi Greenstone Belt in an area with a complex structural and intrusive history. In Powell Township (Figure 1), tight folding appears to have repeated a succession of Keewatin metavolcanic and Timiskaming sedimentary rocks along an east west axis. This steeply dipping sequence is intruded by a large number of dikes, sills and plugs of felsic to intermediate composition. A swarm of later 'Matachewan' diabase dikes follow north trending fracture zones. In the sourthern part of the township the sequence is overlain unconformably by flat lying, Cobalt group, sedimentary rocks.

The Young Davidson Mine lies 2 miles southeast of the CamKing property (Figure 1). At the mine, a syenite dike complex has been intruded at the contact between Keewatin mafic volcanics and Timiskaming conglomerate. The gold ore occurs in a mineralized, brick red, fractured, phase of the syenite and forms a tapering cone extending to 1000 foot depth from the open pit (mined depth). Gold occurs within pyrite and as fine fracture fill in the syenite.

At the Matachewan Consolidated Mine to the east of Young Davidson, the gold was associated with structurally controlled quartz vein systems in the

metavolcanics and syenite.

Most prospecting in the Matachewan area has concentrated on quartz veins near the margins of felsic to intermediate intrusives and on base metals in shear zones (Ryan Lake type).

1985 WORK PROGRAM

During 1985 Lacana conducted a program of line cutting, geophysical surveys, diamond drilling, geological mapping and prospecting on the CamKing property.

1) Line Cutting

Paul Benard of Sesekinika was contracted to cut, chain and picket approximately 11 miles of line on the northern part of the property. The main showing and the area east and west was covered by 100 feet spaced lines for detailed geophysical and geological surveys while the area south was partially covered by 400 feet spaced lines (Figure 2).

2) Geophysical Surveys

Magnetometer and VLF surveys were run over the grid in late January 1985 by Rayan Exploration of North Bay. Some data from the Copper Lake IP survey (apparent resistivity) completed by Geoterrex in 1975 was located and reinterpreted.

a) Magnetometer Survey

An EDA PPM 350 field magnetometer and recording base station were used for the survey. Readings were taken every 20 feet on the grid (Figure 3) and the results are contoured in Figure 4.

b) VLF Electromagnetic Survey

A Geonics EM16 was used in this survey and in-phase and quadrature readings were taken every 100 feet on the grid. The results were contoured using the Fraser filtered values in Figure 5.

c) Discussion of Geophysical Data

The magnetic data (Figure 4) in the detailed part of the grid indicates a series of strong, linear, magnetic highs with northerly trend separated by plateau areas of low magnetic relief. All the north trending features can be explained by diabase dikes while the plateau areas occur over relatively homogeneous (magnetically) sediments. At the northern end of the grid a sharp increase in the magnetic gradient reflects the contact with mafic to ultramafic metavolcanic rocks.

Detailed contouring of magnetic data in the main showing area was able to pick out the narrow iron formation and some weakly magnetic, mafic syenite intrusives to the south.

The VLF data (Figure 5) indicates a series of semi-continuous easterly trending features roughly parallel to the strike of the sedimentary stratigraphy. In most cases these represent narrow, graphitic argillite units. Erratic north westerly to north trending VLF features on the detailed grid occur at the edges of magnetic ridges and can be explained by dike margins.

The induced polarisation (apparent resistivity) map of Copper Lake (Geoterrex) was useful with structure and stratigraphy in the main showing area. A resistivity high follows a narrow sequence of orthoquartzites for over 800 feet along strike, immediately south of the drilled area.

3) Geological Mapping

Approximately 20 days in May 1985 were spent completing geological mapping and prospecting over the northern part of the 1985 geophysics grid. The results from this survey can be obtained from a geological map (Figure 6).

The property lies in a relatively high, watershed area featuring gently undulating hills and steeper ridges with generally moderate vegetation cover. North and east trending ridges in the northern part of the property are separated by fairly extensive, lower, swampy areas.

Approximately 5% of the property consists of bedrock exposure. Much of this is man-made; either by bulldozer stripping on ridge tops or by road construction.

The property is underlain largely by easterly striking and steeply dipping, sedimentary units possibly of Timiskaming age. At the northern edge of the property the sediments are underlain by mafic to ultramafic metavolcanic rocks which strike east onto the Ryan Lake Mine property. The metavolcanic - sedimentary sequence has been intruded by intermediate dikes and plugs with variable orientations. North trending 'Matachewan' diabase dikes cross cut the whole sequence.

i) Rock Types

Volcanic Rocks

1) Mafic to Ultramafic Metavolcanic Rocks

These rocks are exposed in a few outcrops in the northern part of the grid. Massive to schistose, fine grained, dark green, chloritic, Mg basalts (1a) predominate. Medium green spinifex textured, flows and talcy ultramafic tuffs (1b) outcrop in one small area of the north end of Line 2E.

Until recently these rocks had been called ultramafic intrusives (Lovell 1964) they are now recognized as metavolcanics (Tisdale group?).

Sedimentary Units

2) Conglomerates

Light grey to white, oligomictic, pebble conglomerates of quartzitic composition (2a) outcrop over a wide area north of the main showing (Base Line). Locally, the pebble conglomerates give way to finer, poorly sorted quartzitic grits and coarse orthoquartzites. One outcrop of polymictic conglomerate (2b) occurs on Line 11E and consists of sub-angular pebbles of predominantly metavolcanic origin with minor siltstone and chert.

This sequence appears to lie with slight angular unconformity on the metavolcanics (1).

3) Chemical Sedimentary Rocks

Light grey to yellowish, finely bedded cherts and cherty siltstones with thin, black, argillite beds outcrop in the main showing area and are closely associated with a narrow silicate iron formation (1F). the iron formation is one to two feet wide and consists of alternating light coloured cherty bands with green, chlorite-amphibole bands and over 10% pyrite in layers or as fracture fill.

This unit has been strongly deformed and features tight folding in the iron formation and widespread fracture clevage in the cherts.

4) Greywackes and Siltstones

This unit consists of a fairly monotonous sequence of massively bedded, dark grey to green grey greywackes and siltstones. Contacts with unit 3 and 5 are transitional.

5) Quartzites, Grits and Arkoses

A thick sequence of light grey to pink, hematite stained, impure quartzites, grits and coarse arkosic sandstones outcrop south of the drilled area. Near the contact with unit 4 occurs a thick bed of pale grey, orthoquartzite which showed up well as an apparent resistivity 'high' on the 1975 IP survey.

Intrusive Rocks

6) Mafic Syenite

A number of grey to dark red, medium grained, intermediate, intrusive rocks outcrop on the property. For the most part they are dikes and cross-cutting, striking north, east or northeast.

Medium grey, medium grained, pyritic, syenite-porphyry (6a) dikes outcrop along Line 8E. The main dike is 40 feet wide, strongly porphyritic and has sharp, steeply dipping, sheared contacts.

Mafic syenite (6b) dikes are of highly variable colour and composition due primarily to varying degrees of wallrock and xenolith contamination. They may easily be confused with other rock types on the property. For example, the mafic syenite dike at the main showing was intruded along a shear zone during or soon after deformation. It contains numerous partially assimilated chloritic xenoliths that look like pebbles in a medium grained (arkosic looking) groundmass. Within the shear zone, intrusion is associated with widespread silicification, sericitization and local hematization.

A more uniform mafic syenite dike(?) occurs at the north end of Line 4E.

Biotite rich, syenite dikes (6c) are common in the main showing area and have easterly trend. They are dark coloured with up to 10% coarse biotite and some contain enough disseminated magnetite to be moderately magnetic.

7) Diabase Dikes

Dikes of 'Matachewan' diabase are common on the property and always have northerly trend. The diabase is dark grey on fresh surfaces and predominantly coarse grained, equigranular. These dikes are strongly magnetic in

contrast to the country rocks and were clearly defined by the magnetic survey. Dike width ranges from a few feet to over 400 feet and some of the larger ones are multiple and anastomosing.

ii) Structure

The tightly folded sedimentary sequence strikes east and appears to lie unconformably on the older metavolcanics which strike east to northeast.

A large fold (syncline?) with a northeasterly trending axial trace is indicated by a widespread fracture clevage (Az. N 45° E) in the finer sedimentary units. The same stress pattern may be responsible for the strong shear zone (40 feet wide) at the main showing which trends N 40° E. Later, north trending fracture zones, commonly healed by diabase dikes, cut all earlier structures locally, with minor displacements.

iii) Mineralization

Two different types of structurally controlled mineralization were recognized on the property.

1) Gold bearing, pyritic and altered shear zones trending northeast. The main showing is of this type and was the target for the 1985 drill program.

At surface in the main showing area, the shear zone is up to 35 feet wide and trends N 40 E. It cross-cuts a sequence of easterly striking sediments consisting of greywackes, chemical sediments, iron formation, siltstones and quartzites (impure) from north to south.

The shear has essentially been healed by intrusive activity (mafic syenite dikes) and pervasive alteration. Alteration features pervasive silicification, sericitization with up to 15% pyrite where the shear cuts chemical sediments (mainly bittle fracture) and silicification, hematization with up to 10% pyrite where it cuts impure quartzites and arkosic sandstones (brittle fracture and shear foliation).

Gold values within the shear at surface (main showing) are consistently in the .02 to .15 oz/T range (Table 2). Fractured iron formation gave the best assay of 1.55 oz/T Au. To the southwest, gold values in the shear are generally lower in the .01 to .03 oz/T range.

In general, gold values increase with pyrite content (fracture fill) in the shear. Some later easterly trending fractures in the main showing area yield gold values up to .1 oz/T over narrow width. This appears to be a remobilization of gold from the main shear.

The main shear can be traced at surface for about 300 feet after which it disappears beneath swamp. Approximately 600 feet to the east (other side of a 150 foot wide diabase dike) a N 40° E shear cuts siliceous pebble conglomerates (2a). The shear is 10 feet wide and is altered (quartz, carbonate, sericite) with 1 - 5% pyrite. Gold values are low (Table 6) in the .02 to .03 oz/T range.

2) Base metal mineralization in north trending fracture zones. This type is exposed on the northern boundary of the property around Line 5E. Locally heavy sphalerite and galena with minor chalcopyrite occur in fractured pebble conglomerates (2a). The showing was trenched and drilled in the 1960's by S. Welsh. Drilling intersected narrow inconsistent widths (up to 3.5 feet) with up to 9% Zn, 4% Pb and 1.0 oz/T Ag. The highest gold value was .02 oz/T. 1985 surface sampling yielded up to 5% Zn in grabs (Table 6). the fault zone occurs close to a large diabase dike (to west) and the mineralization appears to have been remobilized with little continuity.

4) Diamond Drilling

During February, 1985, 6 diamond drill holes totalling 2,034 feet were completed on the CamKing property by Tindale Drilling Ltd. All the drilling was in the main showing area (Figure 7) and showed the geology to be far more complex than indicated at surface.

A short fence of 3 holes (CK-85-1 to 3) tested the continuation of gold mineralization to the east and west of the main showing at shallow depth. CK-85-1 was drilled 20 feet behind the 1975 Copper Lake hole CL-1 which intersected .095 oz/T Au over 6.0' (55.0-61.0) .16 oz/T Au over 10.0' (71.0 - 81.0) and .17 oz/T Au over 2.3'. CK-85-1 intersected better width, but lower average grade of mineralization with .119 oz/T Au over 7.0' and .06 oz/T Au over 26.5'. These gold values and widths are similar to the main trench at surface (directly above). The style of mineralization is identical with fractured, altered, pyritic cherty sediments and mafic syenite dikes (within the shear).

CK-85-2 80 feet east of CK-85-1 intersected a much narrower fracture zone with .04 oz/T Au over 7.3 feet (75.7 - 83.0) which is probably a later east trending structure.

CK-85-3 100 feet west of CK-85-1 intersected the shear zone a lot further south than expected, cross-cutting impure quartzites and arkoses. The shear is over 20 feet wide and hematitic with one 10.0' section averaging .07 oz/T Au (includes 0.10 over 5 feet).

A second fence of 3 holes (CK-85-4 to 6) were drilled in the same area but at a corrected azimuth of 138 degrees to intersect the zone at right angles and at greater depth. CK-85-4 drilled beneath and across Henry King's 1981 hole, CK-85-1 and CL-1 intersected 63.0' averaging .05 oz/T Au (include 4 zones of 5.0' of 0.1 oz/T Au) approximately 100 feet below the zone in CK-85-1.

CK-85-5 60 feet to the southwest of CK-85-4 interesected a 40.0' wide fracture zone with 10.0' averaging .045 oz/T Au.

CK-85-6 60 feet to the northeast intersected a number of narrow sheared and altered zones, one of which yielded 0.24 oz/T Au over 2.1 feet.

Silver values in the shear zone are generally, roughly equal to gold, except in the impure quartzites where the Ag/Au ratio is 2:1. Zinc and copper values area generally low below 200 ppm.

APPENDIX A

TABLES

TABLE 1

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

ASSAY RESULTS FROM COPPER LAKE DDH CL-1 1975
Az 180 degrees, Dip -45 degrees
Drilled Beneath Main Trench at 90W

Sample	Interval	Total	Au oz./ton		Ag oz./ton	Mo%	Comments
7.0	12.0	5.0	.01			nil	
12.0	17.0	5.0	.005			nil	
17.0	22.0	5.0	nil			nil	
22.0	27.0	5.0	.005			nil	
27.0	30.0	3.0	.01			nil	
30.0	33.0	3.0	.03			.02	
55.1	58.2	3.1	.035		.04		
58.2	61.2	3.0	.22	.095/6.0'	.13		not seen
61.2	64.2	3.0	.02		.02		
64.2	66.0	1.8	.02		.02		
66.0	68.0	2.0	.03		.03		
68.0	71.0	3.0	.005		nil		
71.0	76.0	5.0	.01	.16/10.0'	.01		cherty
76.0	81.0	5.0	.305		.15		carb.
81.0	86.0	5.0	.005		tr		2-10%
86.0	91.0	5.0	.005		.01		diss. & fracture fill Py
91.0	96.0	5.0	.005		.01		
96.0	101.0	5.0	.01		.02		
101.0	106.0	5.0	.005		.02		
106.0	111.0	5.0	.005		.01		
111.0	116.0	5.0	nil		nil		
116.0	118.5	2.5	nil		nil		
122.2	124.5	2.3	.17		.05		chertyPy
124.5	126.6	2.1	.01		.01		
126.6	131.5	4.9	.005		.02		
131.5	134.5	3.0	.03		.05		
134.5	138.0	3.5	nil		nil		
138.0	143.0	5.0	nil		nil		
143.0	148.0	5.0	nil		nil		
148.0	153.0	5.0	.005		tr		
153.0	157.6	4.6	nil		nil		
170.7	174.0	3.3	nil		nil		
174.0	177.2	3.2	nil		nil		
183.0	188.0	4.5	nil		nil		

TABLE 2

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

ASSAY RESULTS
Main Trench, North to South, Chip Samples
By: D. Campbell, Camking

Sample Interval From	To	North Au oz./ton	Averages
0	10	.005	
10	10.8	.02	
10.8	16.8	.14	
16.8	21.8	.04	.09/12.0'
21.8	-23.2	.09	
23.2	28.2	.03	
28.2	33.2	nil	
33.2	38.2	.005	
38.2	44.2	.002	
44.2	-49.2	.08	
49.2	-54.2	.09	.085/20.0'
54.2	59.2	.06	
59.2	61.2	.11	
61.2	73.2	.04	
73.2	-73.6	.005	
73.6	-78.6	.002	
78.6	-79.6	.06	
79.6	93.6	.01	
93.6	103.6	.005	
		South	

TABLE 3

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

1982 DRILL HOLE ASSAY RESULTS

Sample Interval From	To	Length (Feet)	Au oz./ton	Ag oz./ton	Mo%
45	50	5.0	.01		
50	55	5.0	.005		
55	60	5.0	.01		
60	65	5.0	.15		
65	70	5.0	.12	.11/15.0	
70	75	5.0	.05		
75	80	5.0	.055		
80	85	5.0	.09	.07/15.0	
85	90	5.0	.05		
90	95	5.0	.002		
95	99	4.0	.05		
99	105	6.0	.02		
105	111.5	6.5	nil		
111.5	113.0	1.5	.13		
113	120	7.0	.005		
120	125	5.0	.10		
125	130	5.0	.04	.07/10.0	
130	135	5.0	.005		
135	140	5.0	.02		
140	145	5.0	.005		
145	150	5.0	nil		
150	155	5.0	nil		
153	160	5.0	.002		
160	165	5.0	.04		
165	170	5.0	.04		
170	175.5	5.5	.02		
175.5	177.5	2.0	nil		
177.5	182.5	5.0	.002		
182.5	187.5	5.0	.02		

TABLE 4

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

SAMPLING RESULTS
September, 1984

Sample No.	Width	Assay oz./ton Au	Ag	Description	Approx. Location
32091	2' N-S	286 ppb	0.6 ppm	rusty zone 10-20% Py with cherty material	BL 40' E
32092	1.5' N-S	816 ppb	2.0 ppm	rusty zone strong Py strong fracturing 160°	BL 10-15' W
32093	3' N-S	.120	1.8 ppm	cherty 5-10% Py main trench	BL 90 W
32094	5' N-S	.06	2.2 ppm (.07 oz)	main trench 5% Py in cherty material	90 W 20-25 S
32095	20' N-S	.045	2.3 ppm	section through cherty zone	90 W 25-45 S
32096	5'	126 ppb	0.6 ppm	impure sandstone between cherts	90 W 10-15 S
32097	grab	1.55	14.0 ppm (.45 oz)	boulder heavy Py some fine VG	110 W 10 S
32098	5'	.030	2.0 ppm	5% Py in cherty material	130 W 10-15 S

TABLE 5

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

CHIP SAMPLING RESULTS
October, 1984

Sample No.	Location	Length	Description	Au oz./ton	Au ppb
32101	50W 0-5S	5'	cherty 5-10% Py	.123	
32102	70W 5-10S	5'	cherty 5-10% Py	.054	
32103	130W 0-5S	5'	2' strong Py zone in cherty material	.032	
32104	130W 5-10S	5'	2-5% Py in chert		284
32105	130W 10-15S	5'	2-5% Py in chert		214
32106	130W 15-20S	5'	2-5% Py in chert	.050	
32107	130W 20-25S	5'	carbonated greywacke siltstone and chert	.026	
32108	110W 2.5-7.5	5'	3' strong Py in Py cherts	.028	
32109	175W 5-10S	5'	cherty with Py	.164	
32110	0+00 0-5N	5'	strong Py over 5'		167
32111	0+10W 0-5S	5'	cherty with Py		49
32112	0+10W 5-10S	5'	cherty		53
32113	0+10W 10-15S	5'	cherty with Py		16
32114	0+10W 15-20S	5'	cherty		16
32115	0+10W 20-25S	5'	cherty with micaceous dikes		56
32116	0+10W 25-30S	5'	argillaceous minor chert		67
32117	0+33W 0-5S	5'	strong Py 16" in chert		64
32118	180W 0-5S	5'	cherty with Py		363
32119	180W 0-5N	5'	siltstone, cherty minor Py		10
32120	180W 5-10N	5'	siltstone locally cherty		12
32121	180W 45-50S	5'	cherty siltstone		151
32122	250W 0-8N	8'	siltstone with Py		11
32123	250W 0-5S	5'	siltstone with Py		19
32124	110W 75-80S	5'	strong carbonated siltstone 5% Py	.04	
32125	125W 65-70S	5'	strong carbonated siltstone 5% Py		41

TABLE 6

CAMKING PROPERTY
POWELL TOWNSHIP, MATACHEWAN

SAMPLING RESULTS
May, 1985

GRID LOCATION	GOLD ppb.	GOLD oz.	DESCRIPTION
8 + 15E/35	64		Syenite porphyry dike, 5% disseminated Py, narrow qtz, carb. stringers no Py.
8 + 20E/35	256		Sheared siltstone at dike margine, numerous lensy qtz. veins. Up to 5% dissem. stringer Py.
8 + 00E/35	33		Syenite porphyry dike strong qtz veining 0.5% Py.
2 + 30W/1 + 40S	133 196 55 25 151	20 Feet N - S	Series of 5 composite grabs across main shear zone. Strong hem., qtz stringers, 1 - 5% Py. Some mafic syenite intrusive.
0 + 00/6N	118		Strong qtz veins in quartzite 1 - 5% Py. local Cpy, Gal.
4 + 90E/6 + 25N	85		Silicified sediment 1 - 10% Py.
4 + 60E/6 + 90N	70		Pyritic (1 - 2%) quartzite.
7E/4N		.026	3.0 feet } chip across altered shear zone
	49		4.4 feet } in pebble conglomerates 1 - 5% Py.
		.018	5.0 feet } as above few feet to south.
	574		3.0 feet }
		.026	Composite grab from zone.
4 + 90E/6 + 25N	230		Fractured quartzite with py, sph in fractures (1500 ppm Zn) grab from trench.
	314		As above 1 - 7% py, gal, sphy, cpy as blebs and fracture fill (5% Zn).

APPENDIX B

LARGE FIGURES AND PLANS

APPENDIX C

DIAMOND DRILL RECORDS

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # CK-85-1 Page 1 of 6

Property:	Camking Option	Claim #:		Down Hole Surveys				Drilled By:	Tindale Drilling Ltd.
Location/Twp:	Powell Twp	Grid:	1985 0+50N	Depth:	' Az:	° Dip:	45 °	From-To:	2/7/85 - 2/7/75
Area (Map #):			0+10W		299 '	°	46 °	Size(s):	
M.D./County:		Length:	299 ' (Units:)		'	°	°	Logged By:	R. C. Wells
Province:	Ontario	Azimuth:	180 ° Dip Collar:	45 °	'	°	°	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 oz/T	ASSAYS Au ppb
					32251	15.0	20.0	5.0			16
0	20.0	GREYWACKE AND SILTSTONE	Grey, locally greenish grey, poorly bedded greywacke interbedded with finer and more greenish siltsone units displaying moderate to good bedding 60-70°CA. The % siltstone up down hole, Units are weakly carbonated, locally moderately fractured with quartz-carbonatefill. Fine to coarse pyrite occurs along facture planes, locally disseminated.	60-70							
			@ 0-10.0 - much broken core (regolith) @ 14.0-20.0 - moderate fracturing up to 1% Py. Siltstone more predominant.								
20.0	50.0	SILTSTONE, CHERTY SILTSTONE AND GREYWACKE	Medium hard, light grey to green grey to yellowish, predominantly fine grained, moderate to finely bedded, predominantly at 30-60° up to 3" wide. Later quartz carbonate filled fractures at 30°.		32252	20.0	25.0	5.0			51
				60	32437	35.0	38.0	3.0			55
				30-60	32253	38.0	43.0	5.0			830
					32254	43.0	47.6	4.6	.09	.07	
				30	32255	47.6	50.0	2.4	.175	.25	

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
					Width Average	43.0	50.0	7.0	.12	.13	
			@ 20.0 - 23.0 - fractured cherty siltstone <1% Py weakly sericitic. @ 23.0-26.0 - poorly bedded greywacke. @ 26.0-32.5 - moderately fractured, charty grey to yellowish (sericitic) siltstone. @ 33.5-38.0 - poorly bedded greywacke, grey siltstone with sharp 60° fractures minor Py, Cpy. @ 38.0-47.6 - yellowish weakly sericitic, cherty, siltstone numerous dark, angular fractures predominantly at high angles locally graphitic. Py 1-3% fracture fill. @ 47.6-50.0 - strong fracturing, silicified with some grey quartz, locally up to 10% fine to medium grained, fracture fill Py.	60							
50.0	69.5	MAFIC SYENITE DIKE	Medium hard, medium green to mottled green pinkish. Angular to sub-angular, elongate, chloritic fragments in fine to medium grained groundmass with crude flow structure/ layering 50-60°. Few high angle fractures, sparse medium to coarse euhedral pyrite. @ 50.0-55.0 - medium grained. @ 55.0-57.9 - finer groundmass with angular chloritic fragments, weak potasic, hematite alteration.	50-60	32442 32443	50.0 55.0	65.0 60.0	5.0 5.0			12 8

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			@ 57.9-58.2 - coarse quartz-carbonate, hematitic. @ 58.2-69.5 - fine groundmass, numerous chloritic fragments, well alligned 60° CA.	60							
69.5	100.0	ALTERED SILTSTONE, CHERTY SILTSTONE	As at 20.0-50.0 - moderate to finely bedded 60° CA. Weak to strongly sericitic, weak to moderately carbonated, locally silicified, bleached. Local ferromolybdate? staining. Moderate to strong fracturing decreasing in intensity gradually down hole. 1-3% locally up to 10% disseminated and fracture fill Py. @ 69.5-70.5 - strong fracturing 5-10% Py. @ 70.5-75.0 - moderate to strong fracturing, strongly sericitic 1-5% Py fine to coarse grained. @ 75.0-82.5 - weak to moderate fracturing, 1-2% Py. @ 82.5-96.0 - moderate to strong fracturing, local 5-10% Py. Weak to moderately carbonated, moderately sericitic. @ 96.0-100.0 - light grey to yellowish (sericitic), siltstone, fine argillite, sparse Py, moderate fracturing displacing bedding.	60 55-60	32256 32257 32258 32259 32260 32261 32262 32263 32438 Width Average	69.5 70.5 70.5 75.0 75.0 79.5 79.5 82.5 82.5 83.5 83.5 89.0 89.0 93.0 93.0 97.0 97.0 100.0 69.5 100.0	1.0 4.5 4.5 3.0 1.0 5.5 4.0 4.0 3.0 30.5	.049 .068 .044 .081 .122 .042 .033 .071 .080 .06	.11 .07 .02 .07 .06 .02 .02 .08 .125 .055	
100.0	175.2	INTERBEDDED SILTSTONE, GREYWACKE AND ARGILLITE	Predominantly siltstone and fine greywacke, moderate to coarsely bedded 55-60° CA. Local, narrow beds of black, fine, argillite. Fine disseminated Py throughout generally less than 1% weak to moderately fractured, commonly	55-60	32444 32264 32265 32266 32267	100.0 105.0 109.5 113.5 142.0 147.0 147.0 149.0 149.0 154.0		5.0 4.0 5.0 2.0 5.0			754 69 56 33 40

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			quartz, carbonate, chlorite fill, many of these fractures are at 30-60° CA.	30-60	32268 32269	154.0	159.0 161.5	5.0 2.5			191 387
			@ 109.5-113.5 - moderately fractured, sericitic sections adjacent to narrow dike 111.8-112.8. Mafic syenite with chloritic fragments.								
			@ 134.0 - numerous, narrow, black, argillite beds 45° CA.	45							
			@ 142.0-149.0 - strong fracturing in siltstone, weak to moderately carbonated. Sparse fine disseminated Py.								
			@ 149.0-161.5 - moderately carbonated, sericitic, strongly fractured, up to 1% Py. Numerous carbonate filled fractures at varying angles.								
			@ 162.5 - 1/2" quartz carbonate vein 35° CA.	35							
			@ 162.5-174.5 - gray siltstone, greywacke, poorly bedded, numerous parallel fractures 60-70° CA quartz filled.	60-70							
			@ 174.5-175.2 - strongly fractured with gray quartz fill, 1-5% Py fracture fill and disseminated.								
175.2	200.0	MAFIC SYENITE AND STRONGLY ALTERED SEDIMENTS	Medium hard, light greenish gray to pinkish gray fine to medium grained, with locally numerous altered, chloritic phenocrysts (after hornblende?). Groundmass is light coloured, predominantly feldspar with minor chlorite. Very fine disseminated Py. Numerous sharp, hairline, fractures, quartz filled at 30-60° CA.	30-60	32270	175.0	179.0	5.0			122

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			@ 175.2-179.0 - fine, pinkish (hematite staining?). @ 183.0 - weakly brecciated with quartz fill. @ 179.0-200.0 - medium to coarse grained porphyritic, mafic syenite, predominantly feldspar and lesser chlorite, minor quartz.								
200.0	239.0	ALTERED, IMPURE QUARTZITES, ARKOSE	Medium gray to reddish gray, hematite stained, poorly bedded to massive. Weak to strongly fractured with locally intrusive material filling fractures. Difficult to distinguish altered arkose from dike rock. Sharp fractures at varying though generally high angles to CA. @ 214-2191.0 - mixed zone, brecciated, hematitic with dike material? healing fractures at 218-219 siliceous with fine Py local Cpy blebs. @ 219.0-239.6 - altered arkose, hematitic with finer units.		32271	200.0	205.0	5.0			10
					32272	205.0	210.0	5.0			48
					32273	210.0	214.5	4.5			20
					32274	214.5	219.0	4.5			36
239.6	243.0	MAFIC SYENITE	Medium green, medium grained, massive.								
243.0	246.0	ALTERED ARKOSE	Strongly hematitic, 1% fine Py locally as balls to 1/2" diameter.		32275	243.0	246.0	3.0			11

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
246.0	262.5	MAFIC SYENITE	Fine to medium grained, gray to pinkish gray with chloritic phenocrysts.								
262.6	299.0	ALTERED, ARKOSE, IMPURE QUARTZITE	Gray to pinkish, fine to medium grained sparse fine Py, generally poorly/massively bedded.								
			@ 280.8-281.3 - well bedded 60° CA.	60							
			@ 293.6-294.6 - strong fracturing, hematite alteration.								
	299	END OF HOLE									

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # CK-85-2 Page 1 of 3

Property:	Camking Option	Claim #:		Down Hole Surveys				Drilled By:	Tindale Drilling Co.
Location/Twp:	Powell Twp	Grid:	1985 0 + 80N	Depth:	Az:	°	Dip: 45 °	From-To:	2/9/85 - 2/10/85
Area (Map #):	(M241)		0 + 80E			°	°	Size(s):	
M.D./County:	Larder Lake	Length:	259 ' (Units: feet)			°	°	Logged By:	R. C. Wells
Province:	Ontario	Azimuth:	180 ° Dip Collar: 45	° 149		°	54 °	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 oz/T	ASSAYS Au ppb
0	7.5	Bouldery O/B			32276	7.5	11.5	4.0			12
					32277	11.5	15.0	3.5			15
		Greywacke Cherty Silt-stone	Light grey to green grey, predominantly fine silt-stone, locally cherty and weakly sericitic inter-bedded with coarser grey greywacke. Within silt-stones local argillite beds 45°-60°CA. Generally		32278	16.0	21.0	5.0			10
					32279	32.5	37.5	5.0			33
				45-60	32280	37.5	42.5	5.0			69
			poorly fractured becoming more fractured downhole with fracture fill Py 1 to 2%.		32281	4.5	44.5	2.0			45
			@ 7.5 - 15.0 well bedded siltstone		32282	55.0	57.0	2.0			254
			@ 15.0 - 16.0 massive greywacke		32283	57.0	65.5	3.0			121
			@ 16.0 - 27.5 Grey to yellowish grey siltstone, cherty, weakly sericitic, moderately fractured up to 1% Py		32284	60.0	65.5	5.5			67
			@ 27.5-32.5 Grit, greywacke, chloritic, fract.	30-60							
			@ 32.5-44.0 Siltstone, cherty siltstone, poor to		32285	70.0	75.7	5.7			25
			well bedded. Moderate to strong fracturing some	60	32286	75.7	78.0	2.3	.075		
			quartz-carbonate filled 0.5% to 1% Py		32287	78.0	83.0	5.0			926

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
44.0	55.5	Mafic Syenite Dike	Grey, medium grained containing numerous angular chloritic fragments (xenoliths). Dike material contains dark chloritic phenocrysts in feldspar - quartz groundness		32288	83.0	85.0	2.0			465
					32433	85.0	89.0	4.0			155
					32289	89.0	90.0	1.0			112
			irregular hairline fractures variable angles		32434	90.0	93.0	3.0			11
55.5	90.2	Siltstone and Altered Cherty Siltstone	Coarse euhedral Py. in angle 20° Out angle brecciated as at 7.5-44.0 though finer grained, locally more siliceous, weakly sericitic and stronger fracturing. 1-2% fracture fill Py locally up to 15%.								
			@ 55.0 - 64.3 cherty siltstone, siltstone, fractured, some quartz-carbonate fill with Py								
			@ 58-58.3; 60-60.2; 63.-63.1 strong fracturing 13% Py								
			@ 64.3 - 70.0 Greywacke, massive, sparse Py.								
			@ 70.0 - 75.7 strongly fractured, moderate to weakly sericitic - up to 2% Py in fractures								
			@ 75.7 - 78.0 strong facturing, grey quartz fill, 5-15% Py								
			@ 78.0 - 85.0 moderately fractured, weakly sericitic, <1% Py; more quartz-carbonate fill 83-85.5 with up to 2% Py		32290	136.0	137.0	1.0			71
					32435	137.0	141.0	4.0			7
					32436	166.5	169.5	3.0			88
			@ 85.0 - 90.2 Mixed siltstone, cherty siltstone and fine, black, well bedded argillite locally fractured with up to 3% Py.		32291	169.5	171.0	1.5			156
				80°	32292	171.0	176.0	5.0			90
					32293	176.0	180.0	4.0			82
90.2	158.5	Siltstone	Grey, fine, generally massive, local fine fractures quartz filled at variable angles. Local argillite units finely bedded - abundance		32294	180.0	184.0	4.0			44
					32295	184.0	188.0	4.0			32
				60-70°							
			increases downhole. Sparse fine disseminated Py		32296	190.0	195.5	5.0			11
			@ 136.2 - 136.3 Quartz carbonate filled fracture with Py	50°	32297	195.5	200.5	5.0			18
											45
			@ 146 - 147.0 Well bedded argillite	80°	32299	205.5	210.5	5.0			41

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #CK-85-2 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 oz/T	ASSAYS Au ppb
158.5	223.0	Interbedded Siltstone, Greywacke & Argillite	Mixed, predominantly fine grained sequence generally moderate to well bedded. Degree of fracturing variable from massive to brecciated		32300	210.5	215.5	5.0			58
					32301	215.5	220.5	5.0			81
					32302	220.5	223.0	2.5			122
			@ 169.5 - 171.0 Strong fracturing with quartz fill <1% Py		32449	223.0	228	4.0			45
			@ 171.0 - 188.0 Cherty siltstone weakly sericitic strong fracturing up to 3% Py.		32303	228.0	232.0	4.0			63
					32304	232.0	237.0	5.0			37
			@ 188.5 - 190.5 finely bedded argillite	60	32305	237.0	242.0	5.0			41
			@ 190.5 - 223.0 Weakly sericitic, cherty siltstone Very fine disseminated Py <1%. Moderately fractured		32306	242.0	248.5	6.5			38
					32450	253.5	258.5	5.0			44
223.0	227.0	Mafic syenite	Dike filling strongly fractured zone. Grey fine grained with chloritic flecks								
227.0	248.0	Siltstone	Poorly bedded siltstone locally yellowish, sparse fine Py								
248.0	252.0	Mafic syenite	Grey, medium grained with chloritic, hornblende phenocrysts, chilled margins to dike. In angle=90	90							
			Out Angle 90°	90							
252.0	258.5	Siltstone	Weak to strongly fractured grey siltstone sparse Py								
	258.5	END OF HOLE									

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — Hole # CK-85-2 — Page 1 of 3

Property:	Camking Option	Claim #:		Down Hole Surveys				Drilled By:	Tindale Drilling Co.
Location/Twp:	Powell Twp	Grid:	1985 0 + 80N	Depth:	Az:	°	Dip: 45 °	From-To:	2/9/85 - 2/10/85
Area (Map #):	(M241)		0 + 80E			°	°	Size(s):	
M.D./County:	Larder Lake	Length:	259 ' (Units: feet)			°	°	Logged By:	R. C. Wells
Province:	Ontario	Azimuth:	180 ° Dip Collar: 45	°	149	°	54 °	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 oz/T	ASSAYS Au ppb
0	7.5	Bouldery O/B			32276	7.5	11.5	4.0			12
					32277	11.5	15.0	3.5			15
		Greywacke Cherty Siltstone	Light grey to green grey, predominantly fine siltstone, locally cherty and weakly sericitic interbedded with coarser grey greywacke. Within siltstones local argillite beds 45°-60°CA. Generally poorly fractured becoming more fractured downhole with fracture fill Py 1 to 2%.		32278	16.0	21.0	5.0			10
					32279	32.5	37.5	5.0			33
				45-60	32280	37.5	42.5	5.0			69
					32281	4.5	44.5	2.0			45
			@ 7.5 - 15.0 well bedded siltstone		32282	55.0	57.0	2.0			254
			@ 15.0 - 16.0 massive greywacke		32283	57.0	65.5	3.0			121
			@ 16.0 - 27.5 Grey to yellowish grey siltstone, cherty, weakly sericitic, moderately fractured up to 1% Py		32284	60.0	65.5	5.5			67
			@ 27.5-32.5 Grit, greywacke, chloritic, fract.	30-60							
			@ 32.5-44.0 Siltstone, cherty siltstone, poor to well bedded. Moderate to strong fracturing some quartz-carbonate filled 0.5% to 1% Py		32285	70.0	75.7	5.7			25
				60	32286	75.7	78.0	2.3	.075		
					32287	78.0	83.0	5.0			926

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #CK-85-2 Page 2 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 oz/T	ASSAYS Au ppb
44.0	55.5	Mafic Syenite Dike	Grey, modium grained containing numerous angular chloritic fragments (xenoliths). Dike material contains dark chloritic phenocrysts in feldspar - quartz groundness		32288	83.0	85.0	2.0			465
					32433	85.0	89.0	4.0			155
					32289	89.0	90.0	1.0			112
			irregular hairline fractures variable angles		32434	90.0	93.0	3.0			11
55.5	90.2	Siltstone and Altered Cherty Siltstone	Coarse euhedral Py. in angle 20° Out angle brecciated as at 7.5–44.0 though finer grained, locally more siliceous, weakly sericitic and stronger fracturing. 1-2% fracture fill Py locally up to 15%.								
			@ 55.0 - 64.3 cherty siltstone, siltstone, fractured, some quartz-carbonate fill with Py								
			@ 58–58.3; 60–60.2; 63.–63.1 strong fracturing 13% Py								
			@ 64.3 - 70.0 Greywacke, massive, sparse Py.								
			@ 70.0 - 75.7 strongly fractured, moderate to weakly sericitic - up to 2% Py in fractures								
			@ 75.7 - 78.0 strong facturing, grey quartz fill, 5-15% Py								
			@ 78.0 - 85.0 moderately fractured, weakly sericitic, <1% Py; more quartz-carbonate fill 83-85.5 with up to 2% Py		32290	186.0	137.0	1.0			71
					32435	137.0	141.0	4.0			7
					32436	166.5	169.5	3.0			88
			@ 85.0 - 90.2 Mixed siltstone, cherty siltstone and fine, black, well bedded argillite locally fractured with up to 3% Py.		32291	169.5	171.0	1.5			156
				80°	32292	171.0	176.0	5.0			90
					32293	176.0	180.0	4.0			82
90.2	158.5	Siltstone	Grey, fine, generally massive, local fine fractures quartz filled at variable angles. Local argillite units finely bedded - abundance increases downhole. Sparse fine disseminated Py		32294	180.0	184.0	4.0			44
					32295	184.0	188.0	4.0			32
				60–70°							
					32296	190.0	195.5	5.0			11
			@ 136.2 - 136.3 Quartz carbonate filled fracture with Py	50°	32297	195.5	200.5	5.0			18
											45
			@ 146 - 147.0 Well bedded argillite	80°	32299	205.5	210.5	5.0			41

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
158.5	223.0	Interbedded Siltstone, Greywacke & Argillite	Mixed, predominantly fine grained sequence generally moderate to well bedded. Degree of fracturing variable from massive to brecciated		32300	210.5	215.5	5.0			58
					32301	215.5	220.5	5.0			81
					32302	220.5	223.0	2.5			122
			@ 169.5 - 171.0 Strong fracturing with quartz fill <1% Py		32449	223.0	228	4.0			45
			@ 171.0 - 188.0 Cherty siltstone weakly sericitic strong fracturing up to 3% Py.		32303	228.0	232.0	4.0			63
					32304	232.0	237.0	5.0			37
			@ 188.5 - 190.5 finely bedded argillite	60	32305	237.0	242.0	5.0			41
			@ 190.5 - 223.0 Weakly sericitic, cherty siltstone Very fine disseminated Py <1%. Moderately fractured		32306	242.0	248.5	6.5			38
					32450	253.5	258.5	5.0			44
223.0	227.0	Mafic syenite	Dike filling strongly fractured zone. Grey fine grained with chloritic flecks								
227.0	248.0	Siltstone	Poorly bedded siltstone locally yellowish, sparse fine Py								
248.0	252.0	Mafic syenite	Grey, medium grained with chloritic, hornblende phenocrysts, chilled margins to dike. In angle=90	90							
			Out Angle 90°	90							
252.0	258.5	Siltstone	Weak to strongly fractured grey siltstone sparse Py								
	258.5	END OF HOLE									

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # CK-85-3 Page 1 of 4

Property:	Camking Option	Claim #:		Down Hole Surveys				Drilled By:	Tindale Drilling Ltd.
Location/Twp:	Powell Twp.	Grid:	1985, 100N, 110W	Depth:	' Az:	° Dip:	45 °	From-To:	2/12/85 - 2/14/85
Area (Map #):					149 '	°	46 °	Size(s):	
M.D./County:		Length:	399 ' (Units:)		399 '	°	43 °	Logged By:	K. Donner/R. Wells
Province:	Ontario	Azimuth:	180 ° Dip Collar: 45 °		'	°	°	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 oz/T	ASSAYS Au ppb
0	17.0	BOULDERY OVERBURDEN									
17.0	85.8	INTERBEDDED SILTSTONE, GREYWACKE AND ARGILLITE	Medium gray, fine grained sequence, predominantly siltstone sparse fractured, some quartz filled occasional Py. @ 43.0-44.5 - cherty siltstone, moderately fractured with quartz fill. Up to 5% Py. @ 56.4-59.3 - blocky core recovery, probably well fractured, much iron staining on fracture planes. @ 65.8-67.2 - greywacke, massive. @ 74.5-76.3 - greywacke, massive.	40-50	32424 32318 32417 32319	40.0 43.0 45.0 84.0	43.0 45.0 48.0 89.0	3.0 2.0 3.0 5.0			5 333 8 64
85.8	89.0	SILICATE IRON FORMATION	Fine to moderately bedded with alternating siliceous, cherty units with green chlorite/ amphibole rich bands. Py is disseminated or concentrated between layers and also in some	45							

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			fractures. Py content 1-10%. @86.0 - fold nose defined by layering.								
89.0	101.0	SILTSTONE	Medium grey, fine grained, locally moderately fractured (93.0-98.0) with up to 1% fracture fill Py. @ 97.5-98.0 - narrow mafic dike?								
101.0	104.0	MAFIC SYENITE	Grey, medium grained dike with chloritic phenocrysts, minor disseminated Py.		32320	103.0	107.0	4.0			11
104.0	149.7	SILTSTONE AND GREYWACKE	Medium grey, fine with local narrow argillite beds. Few narrow quartz veins filling fractures. Sparse Py. @ 104.0-107.7 - siltstone and argillite, some soft sediment deformation. Up to 3% Py, disseminated. @ 110.4-111.7 - quartz vein subparallel CA. @ 129.9-131.3 - greywacke. @ 137.4-138.5 - dike in fracture zone, mafic syenite.	0-5	32321	110.0	112.0	2.0			10
149.7	151.5	MAFIC SYENITE	Light greenish grey, medium grained with chloritic/muscovite phenocrysts. Narrow 45° quartz vein with bleb of cpy.								
151.5	196.5	SILTSTONE, GREYWACKE AND ARGILLITE	Mixed predominantly fine grained sequence with narrow finely bedded argillite. Trace up to 1% disseminated Py.	50	32322 32323	180.0 184.0	184.0 188.0	4.0 4.0			14 22

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
196.0	197.9	MAFIC SYENITE	Light greenish grey with xenoliths of chloritic wallrocks up to 1% disseminated Py.								
197.9	230.2	SILTSTONE, CHERTY SILTSTONE AND GREYWACKE	Medium grey, fine to medium grained with sections of weakly sericitic, cherty siltstone. Weak locally moderately fractured. Py is disseminated or fracture fill and ranges from trace to 2% (related to fracturing). Fine argillite beds 45°CA.	45	32324	205.0	206.0	1.0			23
					32418	207.0	212.0	5.0			5
					32325	213.0	216.0	3.0			247
					32326	216.0	222.0	6.0			27
					32327	222.0	228.0	6.0			18
			@ 205-206 - cherty siltstone 2% Py. @ 206-208.6; 211.2-212.0 - greywacke. @ 214-215 - cherty siltstone moderately to strongly fractured and siliceous 2% Py. @ 216-219.8 - fractured siltstone 2% Py.								
230.2	236.7	MAFIC SYENITE	Medium grey, fine to coarse grained with chloritic phenocrysts. 1% disseminated Py.	In 35 Out 50 45							
236.7	287.0	CHERTY SILTSTONE AND GREYWACKE	Greenish grey to yellowish (weakly sericitic) weak locally moderately fractured with up to 2% Py.		32328	240.0	245.0	5.0			23
					32329	245.0	251.0	6.0			38
					32331	253.6	258.6	5.0			171
					32332	280.5	284.5	4.0		.06	53
			@ 236.7-257.7 - predominantly cherty siltstone, bedding.	45	32333	284.5	287.0	2.5			59
			@ 240-241.5; 242.3-243.5; 257-257.7 - moderate to strong fracturing 1-3% Py.								
			@ 257.7-269.0 - 70% greywacke sparse Py.								
			@ 269.0-287.0 - cherty siltstone.								
			@ 280.5-284.0 - moderately to strongly fractured, some fracture subparallel to CA, 2% Py.	0-5							

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
287.0	289.1	MAFIC SYENITE	Medium grey, medium grained with chloritic phenocrysts. Trace to 1% disseminated Py.		32451	289.0	294.0	5.0			96
289.1	340.8	IMPURE QUARTZITE	Very light green grey to pinkish, medium grained with local clasts up to 1/4" dia. Local hematite staining along fractures. Trace to 2% disseminated Py. Local strong fracturing.		32452	294.0	299.0	5.0			10
					32453	299.0	304.0	5.0			5
					32454	304.0	309.0	5.0			147
					32455	309.0	314.0	5.0			548
					32419	314.0	319.0	5.0	.103	.05	
			@ 319.0-320.2 - strong fracturing, hematite staining 2% Py.		32334	319.0	324.0	5.0	.038	.08	
					32335	324.0	329.0	5.0		.05	823
			@ 326.5-327.5 - hematized, strongly fractured 3-5% Py.		32425	329.0	335.0	6.0		.046	374
					32336	335.0	337.0	2.0		.075	149
			@ 335.0-337.0 - hematitic, moderately fractured, immature garnets% 3-5% Py.		32456	337.0	338.5	1.5			222
					32337	338.0	340.8	2.8		.06	480
			@ 337.0-338.5 - mafic syenite dike, chloritic phenocrysts 2% disseminated Py.								
			@ 338.5-340.5 - moderately fractured, hematitic. 5% Py.								
340.8	343.7	MAFIC SYENITE	Light greenish grey, medium grained, chloritic phenocrysts and blebs (fragments) 1% Py.		32457	340.0	343.0	3.0			344
343.7	399.0	IMPURE QUARTZITE	Similar to previous section (289-340). Hematite alteration decreasing down hole. Trace to 5% Py.		32426	344.0	349.0	5.0		.034	170
					32338	349.0	354.0	5.0			180
					32427	354.0	358.0	4.0			114
					32428	358.0	361.0	3.0		.046	457
			@ 361.5-364.0 - 1/4" quartz vein, sub-parallel CA 1% Py.		32339	361.0	365.0	4.0			651
					32429	365.0	368.0	3.0			403
			@ 368.2-370.5 - strongly fractured 5% Py.		32340	368.0	374.0	6.0			337
			@ 379.5-381.5 - strongly fractured 5% Py.		32430	374.0	379.0	5.0		.04	277
					32341	379.0	384.0	5.0	.034	.10	
					32431	384.0	389.0	5.0		.034	165
					32432	389.0	393.0	4.0			218
	399.0	END OF HOLE			32442	393.0	399.0	6.0			101

Property:	Camking Option	Claim #		Down Hole Surveys				Drilled By:	Tindale Drilling Ltd.
Location/Twp:	Powell Twp.	Grid:	Same as CK-85-3 100N	Depth:	' Az:	° Dip: 45 °		From-To:	14/2/85 - 16/2/85
Area/Map No:			110W	149 '	°	45 °		Size(s):	
M.D./County:		Length: 379'	(Units:)	379 '	°	47 °		Logged By:	K. Donner/R.W.

Remarks:

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
0	15.0	Overburden	Medium to dark grey locally yellowish, fine to		32412	84.8	89.8	5.0			193
15.0	114.3	Interbedded siltstone, cherty siltstone, greywacke and argillite	massively bedded. Generally weakly factured with sparse veining 40°-50° CA. Sparse disseminated Py	30°	32343	83.8	95.5	5.7			244
				40-50	32307	95.5	99.5	4.0			82
			@ 64 - 69.5; 82.0 - 85.0 greywacke		32344	99.5	102.4	2.9			122
			@ 88.8 -114.3 cherty siltstone, weakly		32345	102.4	107.5	5.1			193
			sericitic, weak to moderate fracturing with up to 5% Py		32413	107.5	111.0	3.5			7
					32414	111.0	114.4	3.4			5
			@ 96.3 - 97.4 subparallel quartz veins 5% Py		32308	114.4	115.6	1.2			82
			Finely bedded with grey cherty,		32415	120.6	124.6	4.0			4
114.3	115.0	Silicate Iron Formation	green amphibolechlorite and argillaceous units. Moderate fracturing seams and fracture fill Py up to 10%.		32416	124.6	128.2	3.6			8
115.0	117.0	Siltstone	Medium greenish grey, fine, weakly fractured		32420	166.0	169.0	3.0			84
			sparse Py		32421	169.0	172.0	3.0			7
117.0	120.6	Mafic Syenite	Medium to dark grey, medium grained with		32309	172.0	177.0	5.0	.105	.06	
			muscovite/chlorite phenocrysts/crystals, disseminated Py		32310	177.0	182.0	5.0			343

INTERVAL FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE °	SAMPLE #	INTERVAL FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag oz/T	Au ppb
120.6	128.2	Cherty Silt-stone	medium grey to greenish grey, weakly fractured		32458	182.0	185.0	3.0			685
			few quartz veins		32311	185.0	190.2	5.2	.097	.13	
128.2	149.5	Mafic Syenite	medium grey, fine to medium grained, large	IN 45	32312	190.5	195.5	5.0	.034	.02	
			eubedral Py up to 1/2"	OUT45	32346	195.5	199.3	3.8	.055	.02	
			@ 136.5 - 141.4 mottled		32422	199.3	202.0	2.7			58
149.5	182.0	Cherty Silt-stone	Light yellow green to greenish grey, weak to		32347	202.0	203.0	1.0			651
			moderately fractured, few quartz veins, sericite	40-50	32348	203.0	208.0	5.0			789
			alteration, increases downhole, weak locally		32349	208.0	210.0	2.0	.092		
			moderate carbonate alteration silicification.		32350	210.0	215.0	5.0	.053		
			Trace to 1% Py - disseminated and fracture fill.		32313	215.0	220.5	5.5	.048		
			@ 172 - 182 Moderate fracturing 5% Py	IN 80	32314	220.5	225.5	5.0			322
182.0	185.2	Mafic Syenite	Light greenish grey, medium grained with chloritic	OUT45	32315	225.5	230.5	5.0			323
			phenocrysts (blades) 1% disseminated Py.		32316	230.5	235.0	4.5	.110	.09	
185.2	239.0	Cherty Silt-stone	Light yellow to greenish grey, weak to moderately		32317	235.0	239.0	4.0			97
			fractured with grey quartz fill, trace to 5% Py	40-50							
			disseminated or fracture fill. Moderate sericite								
			alteration @ 185.2 - 193.8. Moderate to strong								
			fracturing, some breccia 5% Py.								
			@ 193.8 - 202.0 Massive, unaltered 1%		32423	339.0	244.0	5.0			7
			disseminated Py.		32351	259.8	264.8	5.0			12
			@ 202.0 - 208.0 as at 185.2 - 193.8		32352	287.0	292.0	5.0			195
			@ 208.0 - 210.7 Spotted appearance, chloritic		32353	292.0	295.5	3.5	.052		
			___ to pyrite quartz grains 1 mm dissem-								
			inated, 5% Py								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	FEATURE ANGLE °	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			@ 218.2 - 229.0 Weakly fractured 1-2% Py		32354	295.5	300.8	5.3			207
239.0	264.8	Siltstone	Medium to dark grey, fine grained, moderately fractured, few quartz veins. Trace -1% Py disseminated		32355	300.8	303.7	2.9			106
					32356	303.7	304.8	1.1			16
					32357	349.0	352.0	3.0			8
			@ 259.8 - 264.8 moderate to strong fracturing, siliceous and locally weakly hematitic 3% Py		32358	357.0	359.0	5.0			55
					32459	352.0	357.0	5.0			55
264.8	270.3	Mafic Syenite	Green, grey, fine to medium grained, dioritic phenocrysts, trace, disseminated Py. Weakly magnetic		32460	359.0	364.0	5.0			55
					32461	364.0	369.0	5.0			7
					32463	374.0	379.0	5.0			5
270.3	303.7	Siltstone and Impure Quartzite	Interbedded dark, greenish grey siltstone and light pinkish to grey (hematitic) quartzite/arkose.								
			@ 270.3 - 286.0 50% siltstone, 50% quartzite/arkose weakly fractured with few veins								
			@ 286.0 - 303.7 pink-beige quartzite/arkose strongly fractured, locally brecciated 3-5% Py								
			@ 295.0 - 295.5; 298.6 - 299.2; 300.3 - 300.8 mafic syenite dikes/veins								
303.7	304.8	Mafic Syenite	Pinkish-grey, medium to coarse grained, hematitic, chloritic phenocrysts, 2% disseminated Py, weakly magnetic								
304.8	343.0	Siltstone quartzite arkose	as at 270.3 - 303.7								
			@ 304.8 - 312.0 70% siltstone, 30% quartzite								
			@ 312.0 - 343.0 siltstone, massive to weakly fractured								
343.0	349.0	Mafic Syenite	Medium grey, medium grained, weakly hematitic with chloritic phenocrysts. Trace disseminated Py								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
349	379	Siltstone and impure quartzite, arkose	Pinkish beige to grey, locally hematitic, weak to locally strong fracturing. Trace to 2% disseminated and fracture fill Py. @ 349.0 - 352.0 Impure quartzite, moderately fractured 2% Py. Some greyish quartz fracture fill @ 352.0 - 357.0 Fracture zone strongly hematized, minor disseminated Py and Cpy (blebs) @ 357.0 - 359.0 Impure quartzite @ 359 - 379.0 Siltstone, greenish grey, fine-grained, few fractures	45°							
379		END OF HOLE									

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — Hole # CK-85-5 — Page 1 of 4

Property:	Canking Option	Claim #:			Down Hole Surveys					Drilled By:	Tindale Drilling Ltd.
Location/Twp:	Powell	Grid:	1985 Grid 100N		Depth:	' Az:	° Dip:	45 °		From-To:	17/2/85 18/2/85
Area (Map #):			180W			'	°	°		Size(s):	
M.D./County:		Length:	399 ' (Units:)			149'	°	47 °		Logged By:	K. Donner/R. Wells
Province:	Ontario	Azimuth:	138 °	Dip Collar: 45 °		399'	°	48 °		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 oz/T	ASSAYS Au ppb
0	12.0	BOULDERY O/B									
12.0	104.0	SILTSTONE AND GREYWACKE	Predominatly medium grey, fine grained siltstone with argillite bands, interbedded with coarsely bedded greywacke. Weak locally moderate fracturing. Trace to 2% Py increasing with degree of fracturing. @ 12.0-53.3 - predominantly siltstone with fine argillite. @ 31.0-41.0 - moderate fracturing 2% Py. @ 53.3-79.7 - greywacke with occasional narrow quartz veins some of which are sub-parallel to CA. @ 79.7-104 - predominantly siltstone. @ 92.5-96.0; 100.5-104.0 - broken core.	45 0-5	32359 32360 32361	31.0 37.0 104.0	37.0 41.0 104.4	6.0 4.0 0.4			11 10 25

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
104.0	113.0	SILICATE IRON FORMATION, SILTSTONE, ARGILLITE	Strongly layered/banded with alternating cherty and amphibole/chlorite layers. Up to 5% syngenetic? pyrite, ;minor fracture fill Py. @ 104.4-111.4 - siltstone with fine argillite. Trace Py. @ 104.0-104.4; 111.4-112.6 - silicate iron formation probably representing two limbs of a tight fold. @ 112.0-113.0 - siltstone and argillite.	45	32362	111.4	112.0	0.6			11
113.0	114.5	MAFIC SYENITE	Light grey, medium grained with muscovite, chlorite blades, non-magnetic, trace Py.								
114.5	127.0	SILTSTONE	Medium to dark grey, weakly fractured, trace Py. @ 115.7-116.0 - cherty.								
127.0	128.5	MAFIC SYENITE	As at 113.0-114.5.	out 45							
128.5	204.5	SILTSTONE, MINOR GREYWACKE	Medium grey, fine grained, relatively massive with few fractures, coarsely bedded local fine argillite. @ at 178.8-179.8 - conglomeratic withy clasts up to 1/4" of siltstone. @ 194.0-195.1 - mafic syenite dike (as seen above). @ 195.1-204.5 - becoming cherty with more fractures.	40 in 30 out 40	32409 32363	196.5 201.5	201.5 204.0	5.0 2.5			10 44

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
204.5	222.5	CHERTY SILTSTONE	Light yellow green, fine grained. Moderately to weakly fractured with grey quartz fill. Py content increases with fracturing from trace up to 5%.		32364	204.0	209.0	5.0	.034		
					32410	209.0	212.0	3.0			11
					32365	212.0	217.0	5.0			337
					32366	217.0	222.5	5.5			33
222.5	232.0	MAFIC SYENITE	Light to medium grey, lighter with depth, fine to medium graind. Small euhedral Py-disseminated throughout up to 2% near lower contact. Chloritic phenocrysts common.								
232.0	236.7	CHERTY SILTSTONE	As at 204.5-222.5, becoming coarser grained with depth.								
236.7	242.9	BASALT DIKE	Dark grey, almost black, slightly magnetic, fine grained, with sub-parallel quartz veinlets throughout, trace Py.	0-5							
242.9	289.0	CHERTY SILTSTONE	Light greenish grey, fine grained, weakly sericitic?		32367	261.5	263.5	2.0			45
					32368	263.5	268.5	5.0			426
					32369	268.5	270.1	1.6	.059		
			@ 242.9-261.5 - weakly fracture, sparse Py.		32370	270.1	271.4	1.3			130
			@ 261.5-263.5 - brecciated, trace Py, disseminated grey metallic mineral possibly molybdenum or graphite?		32371	271.4	273.5	2.1	.045		
					32372	273.5	275.0	1.5			101
					32373	275.0	280.0	5.0	.032		
			@ 266.9-270.1 - strong fracturing with grey quartz up to 3% Py.		32411	280.0	285.0	5.0			926
					32374	285.0	289.0	4.0			236
			@ 270.1-271.4; 273.5-275.0 - light green with quartz clasts to 1 mm, numerous fine quartz veins, trace Py.								
			@ 275.0-289.0 - cherty siltstone grading into quartzite with depth. Possibly immature garnets near bottom of section.								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
289.0	304.0	INTERMEDIATE TO MAFIC DIKES	Greenish grey to black, locally hematitic and pinkish, trace Py. @ 289.0-297.6 - mafic syenite with chlorite blades, magnetic. @ 297.6-304.0 - mafic-basalt dike, fine, moderately fractured with some epidote. Trace Py. Magnetic.		32473 32474 32475	289.0 294.0 298.0	294.0 298.0 304.0	5.0 4.0 6.0			14 20 10
304.0	341.0	SILTSTONE	Medium to dark greenish grey, local hematitic and pinkish, massive to weakly fractured. Infrequent quartz veins @ 40-50°. Trace Py. @ 332.0-335.0 - moderately fractured minor Cpy.	40-50	32476 32477 32375 32478	304.0 328.0 332.0 335.0	309.0 333.0 335.0 341.0	5.0 5.0 3.0 6.0			11 306 411 12
341.0	399	IMPURE QUARTZITE MINOR SILTSTONE	Pinkish, weak to moderately fractured, quartz veins are small 35-45°, 2-3% Py mainly fracture fill. @ 344-345 - brecciated 5% Py. @ 349.5-357; 363.5-367.0; 379.0-381.7; 370.8-372.3 - pinkish to red strongly hematized sections.		32376 32377 32378 32379 32380 32381 32382 32383 32384	341.0 345.0 358.5 363.5 370.8 378.5 382.0 389.0 395.5	345.1 349.0 361.5 367.0 372.3 382.0 384.6 391.0 399.0	4.0 4.0 3.0 3.5 1.5 3.5 2.6 3.0 3.5			195 32 15 14 88 43 19 15 25
	399	END OF HOLE									

LACANA MINING CORPORATION — DIAMOND DRILL RECORD — Hole # CK-85-6 — Page 1 of 3

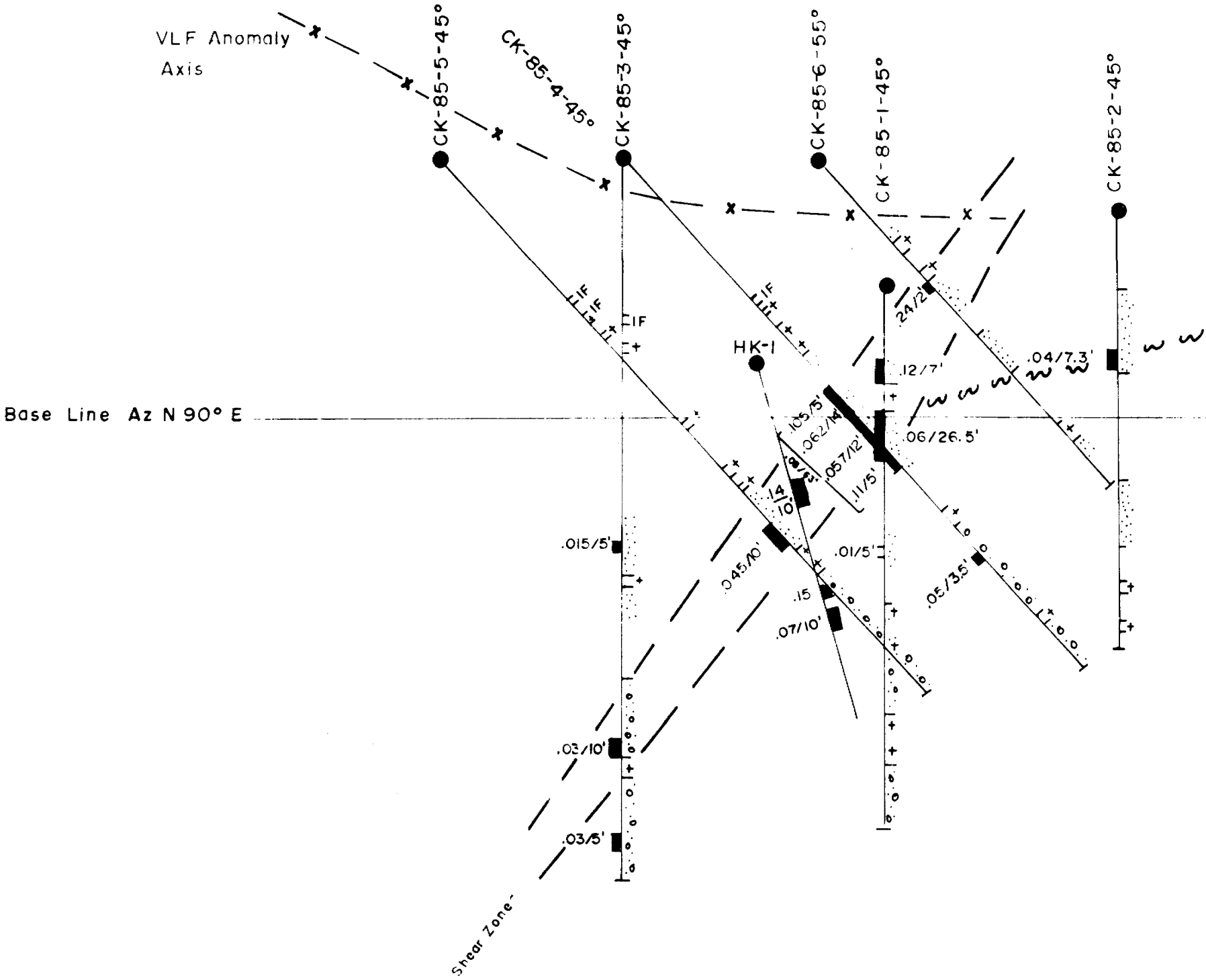
Property:	Camking Option	Claim #:		Down Hole Surveys				Drilled By:	Tindale Drilling Ltd.
Location/Twp:	Powell Twp.	Grid:	1985 100N	Depth:	' Az:	° Dip:	55 °	From-To:	20/2/85 21/2/85
Area (Map #):			0+35W		149'	°	56 °	Size(s):	
M.D./County:		Length:	' (Units:)		299'	°	58 °	Logged By:	K.Donner/R.Wells
Province:	Ontario	Azimuth:	° 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 oz/T	ASSAYS Au ppb
0	7.0	BOULDERY O/B		B=bedding F=fracturing							
7.0	69.3	SILTSTONE' MINOR CHERTY SILTSTONE	Medium to dark grey, locally yellowish, predominantly massive to weakly fractured. Fine grained with local fine argillite beds. Few narrow quartz veins, some sub-parallel to CA. Py content increases with degree of fracturing to a maximum of 10%.	B-35 F-0-5	32479	44.0	49.0	5.0			8
					32480	49.0	54.0	5.0			7
					32385	65.9	69.3	3.4			36
			@ 28.6-29.4 - narrow sub-parallel quartz veins, 10% Py.								
			@ at33.0-34.5 - broken section 50% quartz. Vuggy.								
			@ 35.0-37.0 - sub-parallel quartz veinlets.								
			@ 46.5-54.0 - strongly fractured, heated, sparse Py.								
			@ 64.0-65.9 - cherty siltstone. Fine, light yellow to green, weak to moderately								

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
			sericitic. Moderately to strongly fractured, healed with greyish quartz 2% Py. @ 65.9-69.3 - siltstone, medium grey, locally greenish grey, trace Py.								
69.3	74.7	MAFIC SYENITE	Light grey, fine grained with chloritic blades, phenocrysts. Up to 1% medium grained, euhedral Py, non magnetic.	In 45 Out 45							
74.7	244.0	SILTSTONE, CHERTY SILTSTONE	Predominantly siltstone, medium grey, fine grained, medium to coarsely bedded. Few quartz veins, some with significant Py. Cherty siltstone, grey to yellowish, weakly sericitic, usually moderately to strongly fractured with 1-5% Py and grey quartz carbonate fill.	B-35	32386	79.0	82.0	3.0			26
					32401	119.4	123.4	4.0			5
					32387	123.4	125.5	2.1	.243		
					32481	125.5	130.5	5.0			7
					32482	130.5	135.5	5.0			14
					32402	159.0	162.0	3.0			4
					32391	162.0	166.0	4.0			192
			@ 74.7-76.5 - cherty siltstone, 1% Py.	B-30	32388	166.0	169.0	3.0			442
			@ 79.0-81.5 - cherty siltstone, deformed, 2% Py.		32403	169.0	174.0	5.0			16
					32389	174.0	180.0	6.0			504
			@ 105-108 - mafic syenite dike, medium grey, medium grained, minor muscovite, trace Py.	In 30 Out 35	32408	198.0	203.0	5.0			273
			@ 108-124.3 - slightly more fractured.								
			@ 124.3-125.5 - strongly fractured to brecciated with grey quartz fill and up to 5% Py.								
			@ 125.5-126.1 - mafic syenite dike as at 105.0.	In 45 Out 80							
			@ 133.0-137.5 - broken core.								
			@ 162.0-169.0 - cherty siltstone, weakly sericitic, strongly fractured, 3-5% Py.	B-45							
			@ 174.0-185.0 - cherty siltstone, weak to moderately fractured, up to 5% Py.	B-45							

INTERVAL FROM	INTERVAL TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL FROM	INTERVAL TO	SAMPLE LENGTH	ASSAYS Au oz/T	ASSAYS Ag oz/T	ASSAYS Au ppb
244.0	260.3	MAFIC SYENITE DIKE	Medium grey, medium grained, chloritic blades, blebs, trace Py, weakly magnetic.	In 40 Out 40	32483	245.0	250.0	5.0			4
260.3	299.0	SILTSTONE AND CHERTY SILTSTONE	Similar to sequence abhove dike, fewer argillaceous beds.		32404	265.0	270.0	5.0			8
					32392	270.0	272.0	2.0			58
					32393	272.0	278.0	6.0			188
			@ 270.0-272.0 - cherty siltstone, strongly fractured, 3-5% Py.		32394	278.0	280.5	2.5			21
					32405	280.5	285.5	5.0			4
			@ 278.0-279.0 - cherty siltstone, strongly fractured, grey quartz fill, 3% Py.	F-40	32406	285.5	290.5	5.0			4
					32407	290.5	295.5	5.0			7
	299	END OF HOLE									


VLF Anomaly
Axis
CK-85-5-45°
CK-85-4-45°
CK-85-3-45°
CK-85-6-55°
CK-85-1-45°
CK-85-2-45°
HK-1
Base Line Az N 90° E
.24/2'
.12/7'
.04/7.3'
.06/26.5'
.105/5'
.062/14'
.057/12'
.11/5'
.14/10'
.015/5'
.045/10'
.01/5'
.05/35'
.15
.07/10'
.03/10'
.03/5'
Shear Zone

N

LEGEND

IF — Silicate iron formation.

Mafic syenite, dyke, sills, plugs.

Impure quartzite, arkose sandstone.

Siltstone, greywacke, minor argillite and chert.

Fractured and altered siltone and cherty siltstone.

.05/2.5' — Au oz/T /width includes weighted average. Intersection projected vertically.

Fault

Shear zone

Probable diabase dike, Indicated from magnetics and old DDH. 600' to north.

0 25 50 75 100 Feet

LACANA

LACANA MINING CORPORATION

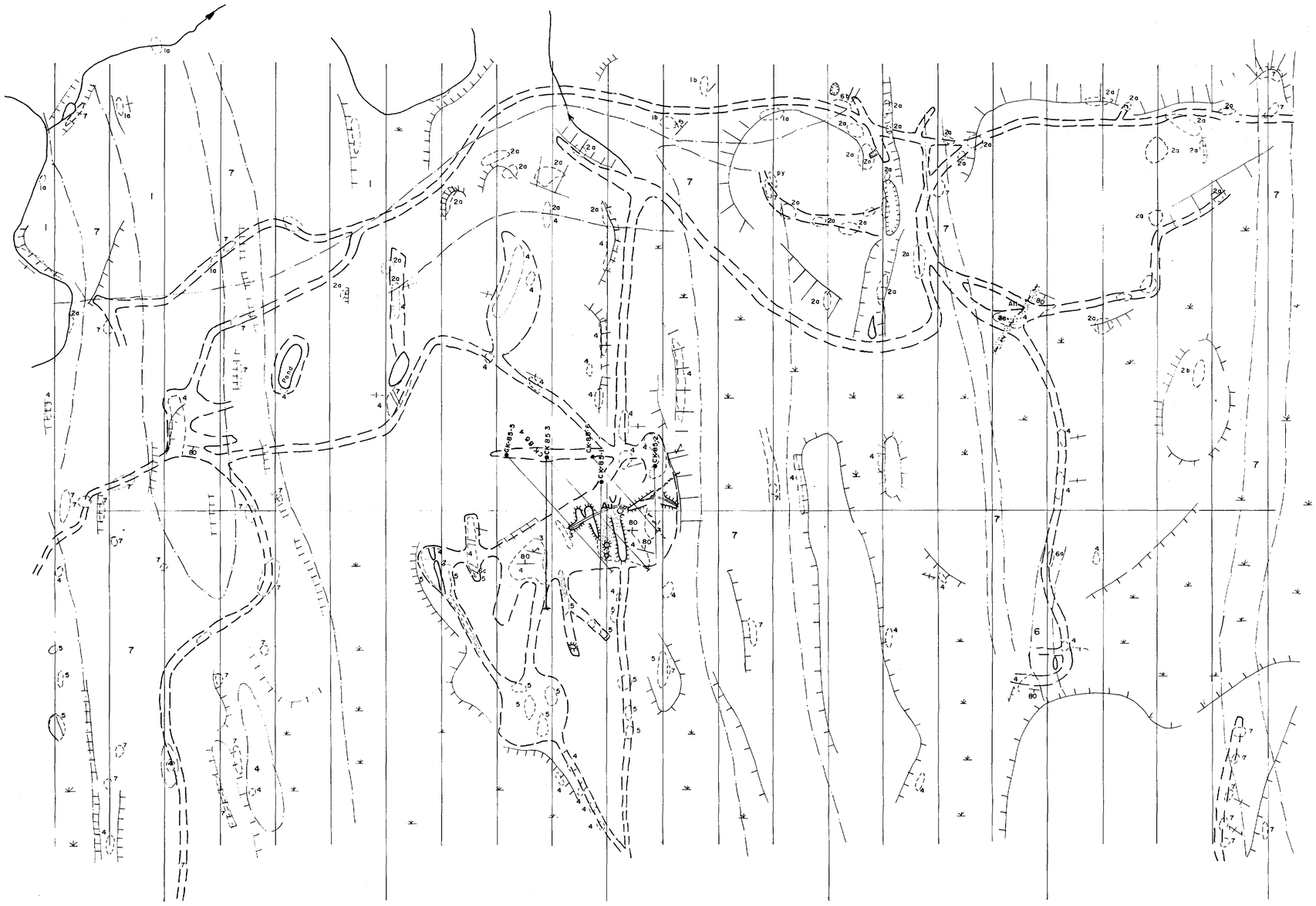
DRILL PLAN
MAIN SHOWING AREA
CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
R.W./K.G	1"=50'	Feb 1985	41 P/15 42 A/2	7

3/2/86

8W 4W 0 4E 8E 12E

BL



N

LEGEND

INTRUSIVE ROCKS

7 Diabase dikes

6 Syenite
- 6a Syenite porphyry
- 6b Mafic syenite
- 6c Biotite rich syenite dikes

SEDIMENTARY UNITS

5 Quartzites, grits and arkoses

4 Greywackes and siltstones

3 Chemical sedimentary rocks
Cherts and cherty siltstones, minor argillite.
IF = Silicate iron formation

2 Conglomerates
- 2a Oligomictic pebble conglomerates
- 2b Polymictic conglomerate

VOLCANIC ROCKS

1 Mafic to ultramafic metavolcanic rocks
- 1a Mg. basalts
- 1b Ultramafic flows and tuffs

SYMBOLS

- Alt Strong alteration
- Geological contact observed
- Geological contact interpreted
- Outcrop area
- Dip and strike of bedding
- Dip and strike of schistocity
- Dip and strike of bedding with lineation
- Fault
- Drill hole
- Alteration zone
- Slope
- Au Gold occurrance
- Zn Sphalerite
- Trench

0 50 100 150 200 Feet

LACANA MINING CORPORATION

GEOLOGICAL MAP

CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
RW/KG	1" = 100'	May/85	41 P/15 92 A/2	6

200

AM84-358

63-4980

K. Wilson 3/7/86

10 W 9 W 8 W 7 W 6 W 5 W 4 W 3 W 2 W 1 W 0 1 E 2 E 3 E 4 E 5 E 6 E 7 E 8 E 9 E 10 E 11 E 12 E

8 N
6 N
4 N
2 N
BL
2 S
4 S
6 S
8 S
10 S
12 S
14 S
16 S
18 S
20 S
22 S
24 S
TL 26 S

ROAD

8 E 4 E 0 4 E 8 E 12 E

LEGEND

Instrument: GEONICS EM 16

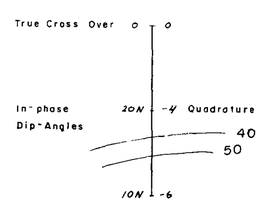
Parameters read: In phase dip angle
Quadrature

Transmitter station: Seattle, Wa.
(NLK)

Frequency: 24.8 Khz.

Operator: RAYAN Exploration Ltd.

PLOTTING CONVEN



20 E
16E
12E
10E
8E
6E
4E
2E
0+00
2W
4W
6W
8W
10W

8N
BL
10S
20S
26S

N

LEGEND

Magnetic readings in nano telsa

Base reading 59000-1000

LACANA MINING CORPORATION

MAGNETIC MAP READINGS

CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
RW/KS	1"=100'	Feb.1985	41 B/13 & B/12	3

MM 84-338

63448

220

10 W 8 W 6 W 4 W 2 W 00 2 E 4 E 6 E 8 E 10 E 12 E 16 E 20 E

8 N

BL

10 S

20 S

26 S

N

8 E

LEGEND

Instruments	EDA PPM 350 Field Instrument EDA PPM 350 Base Station Recorder
Accuracy	1 nano-telsa
Operators	RAYAN/LACANA
Date	January 1985

PLOTTING CONVENTION

800 Magnetic low

900 Magnetic contour at 100 nt. intervals.

1000 Magnetic high

Base station location: BL 0+00

Value: 59000 = 1000

LACANA MINING CORPORATION

CONTOURED MAGNETIC MAP

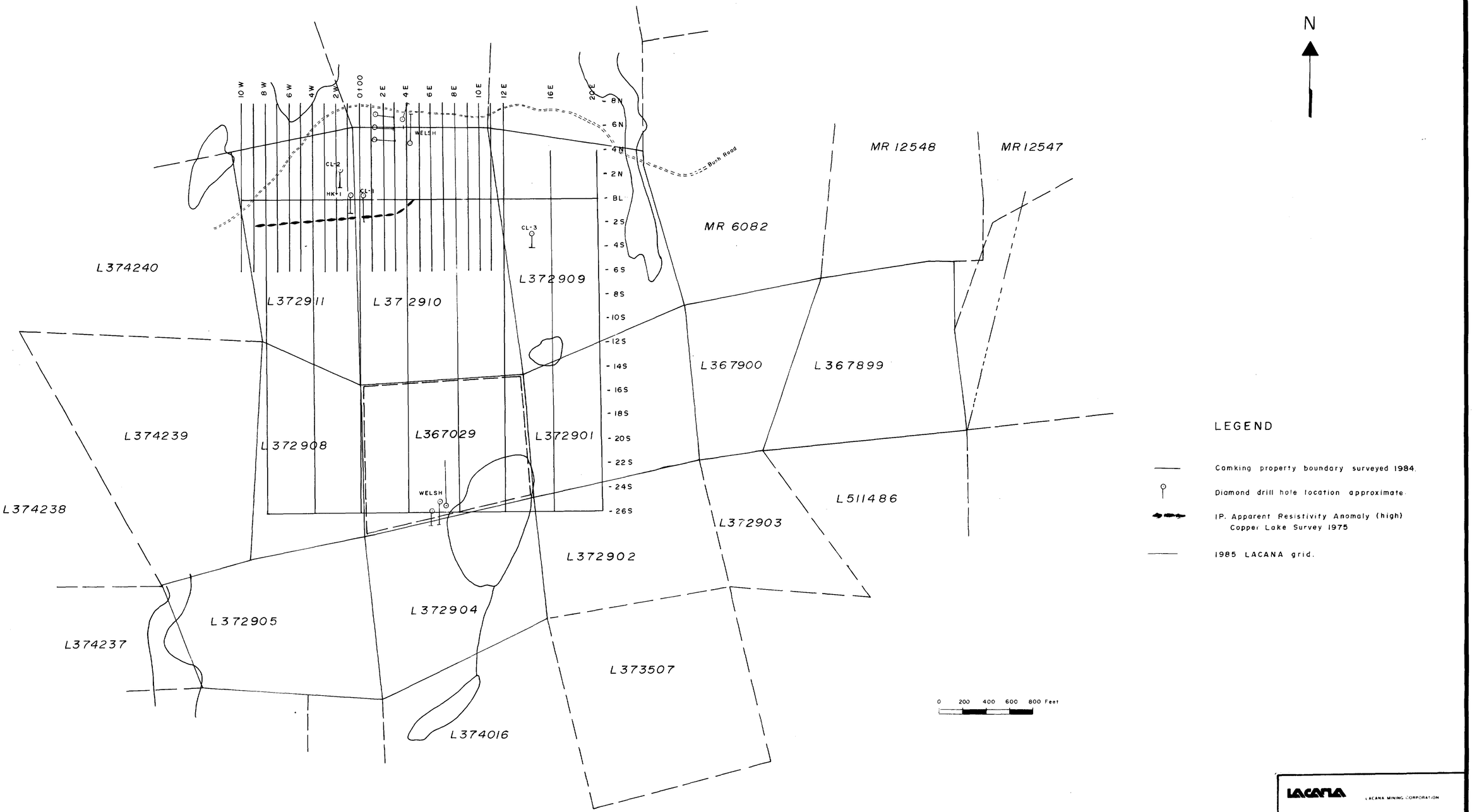
CAMKING OPTION

PREPARED BY	SCALE	DATE	N T S SHEET	FIGURE
R.W./K.G.	1" = 100'	Feb. 1985	41 P/15 42 A/2	4

OM84-358

63-4980

R. Rayan 3/2/85



LEGEND

- Camking property boundary surveyed 1984.
- Diamond drill hole location approximate.
- IP. Apparent Resistivity Anomaly (high) Copper Lake Survey 1975
- 1985 LACANA grid.

LACANA MINING CORPORATION

COMPILATION MAP OF PREVIOUS WORK WITH 1985 GRID

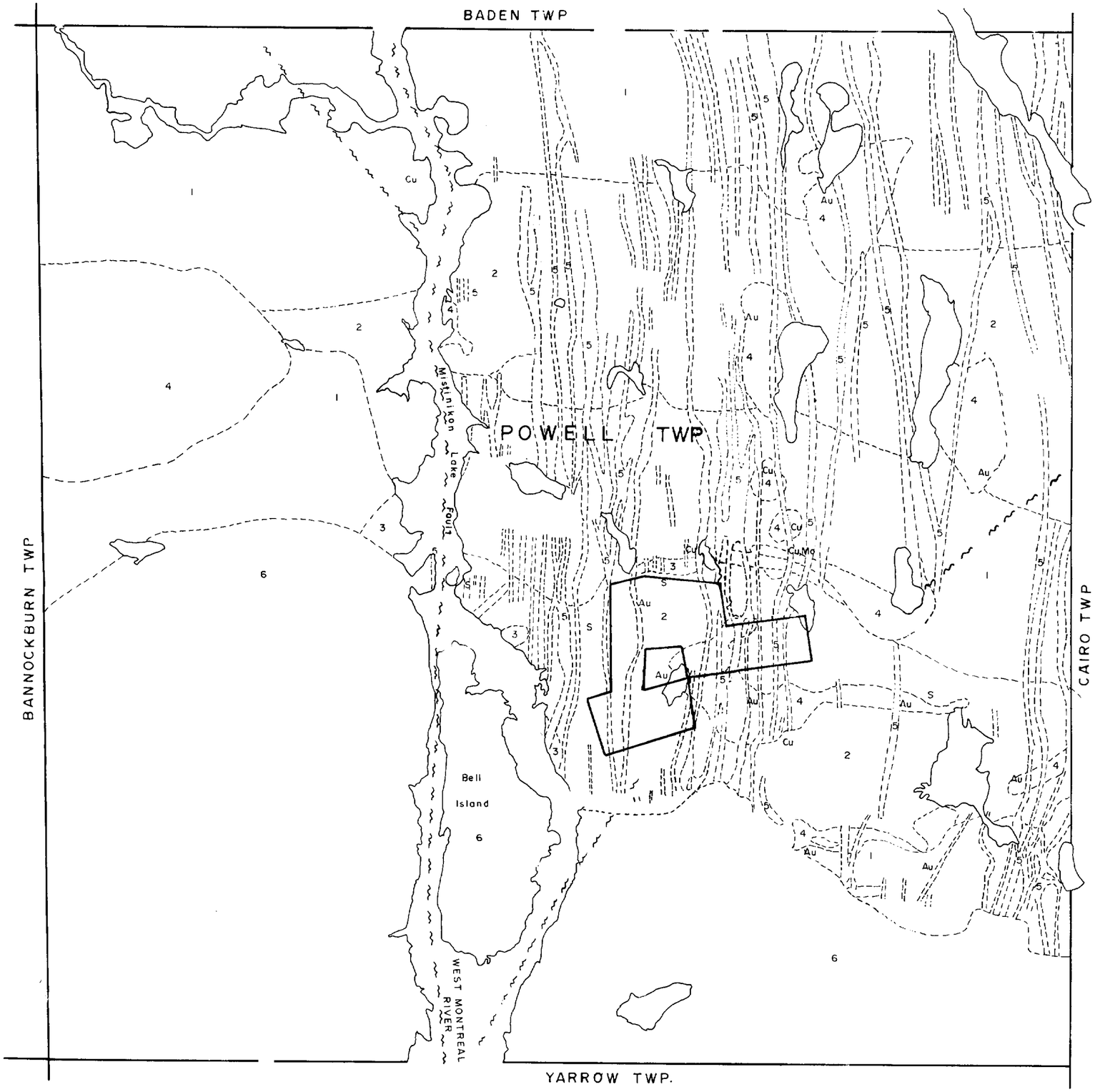
CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
RW/KG	1"=400'	Apr/85	41 P/15 42 A/2	2

240

OM84-358

63.4980



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LEGEND

6	Cobalt Group, Sedimentary Rocks
5	Matachewan Mafic Intrusive Rocks
4	Silicic Intrusive Rocks
2	Timiskaming Sedimentary Rocks
1	Volcanic Rocks
3	Ultramafic Rocks

SYMBOLS

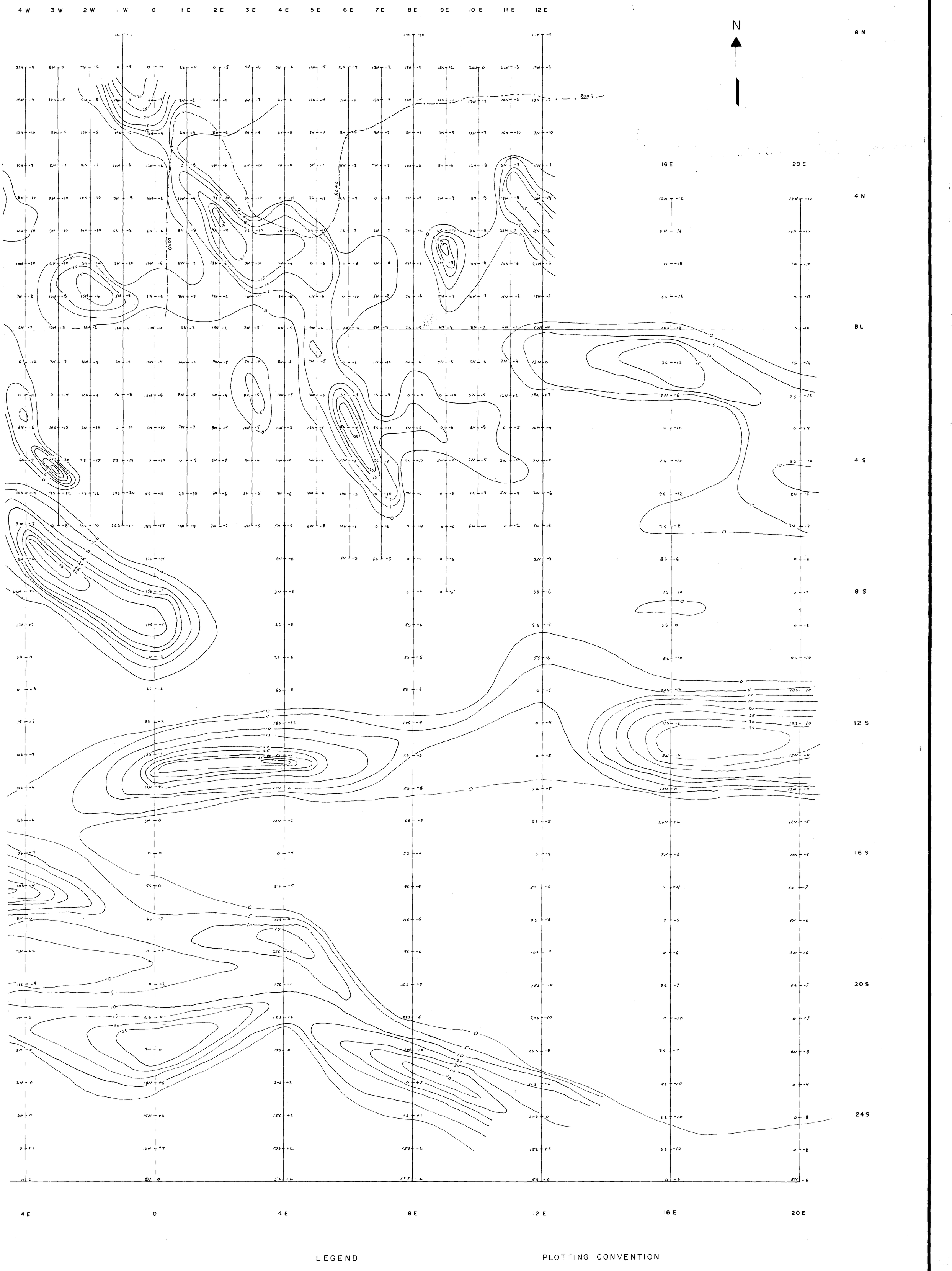
- Geological boundary
- Cam King property boundary
- Fault
- Au — Gold
- Cu — Copper
- S — Sulphide mineralization

LACANA MINING CORPORATION

PROPERTY LOCATION AND REGIONAL GEOLOGY MAP

CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
RW/KG	1"=1/2 mile	Sept. 1985	41 P/15 42 A/2	1



LEGEND

Instrument: GEONICS EM16

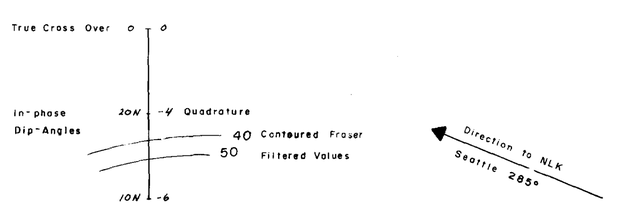
Parameters read: In phase dip angle
Quadrature

Transmitter station: Seattle, Wa.
(NLK)

Frequency: 24.8 Khz.

Operator: RAYAN Exploration Ltd.

PLOTTING CONVENTION



LACANA MINING CORPORATION

VLF MAP
CONTOURED FRASER FILTERED
DATA
CAMKING OPTION

PREPARED BY	SCALE	DATE	N.T.S. SHEET	FIGURE
R.W./K.G.	1" = 100'	Feb. 1985	41 P/15 42 A/2	5

OM 84-358

63-4980

R. [illegible] 3/21/85