87-2-15512

REPORT ON DIAMOND DRILLING

GOLDEN NEIGHBOUR PROPERTY
OMINECA M.D.

FILMED

N.T.S. 94-E/6E

Lat. 57°19.1' Long. 127°02.7'

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,512

LACANA MINING CORPORATION (Owner/Operator)
312 - 409 Granville St.
Vancouver, B.C. V6C 1T2

R. J. JOHNSTON
January, 1987

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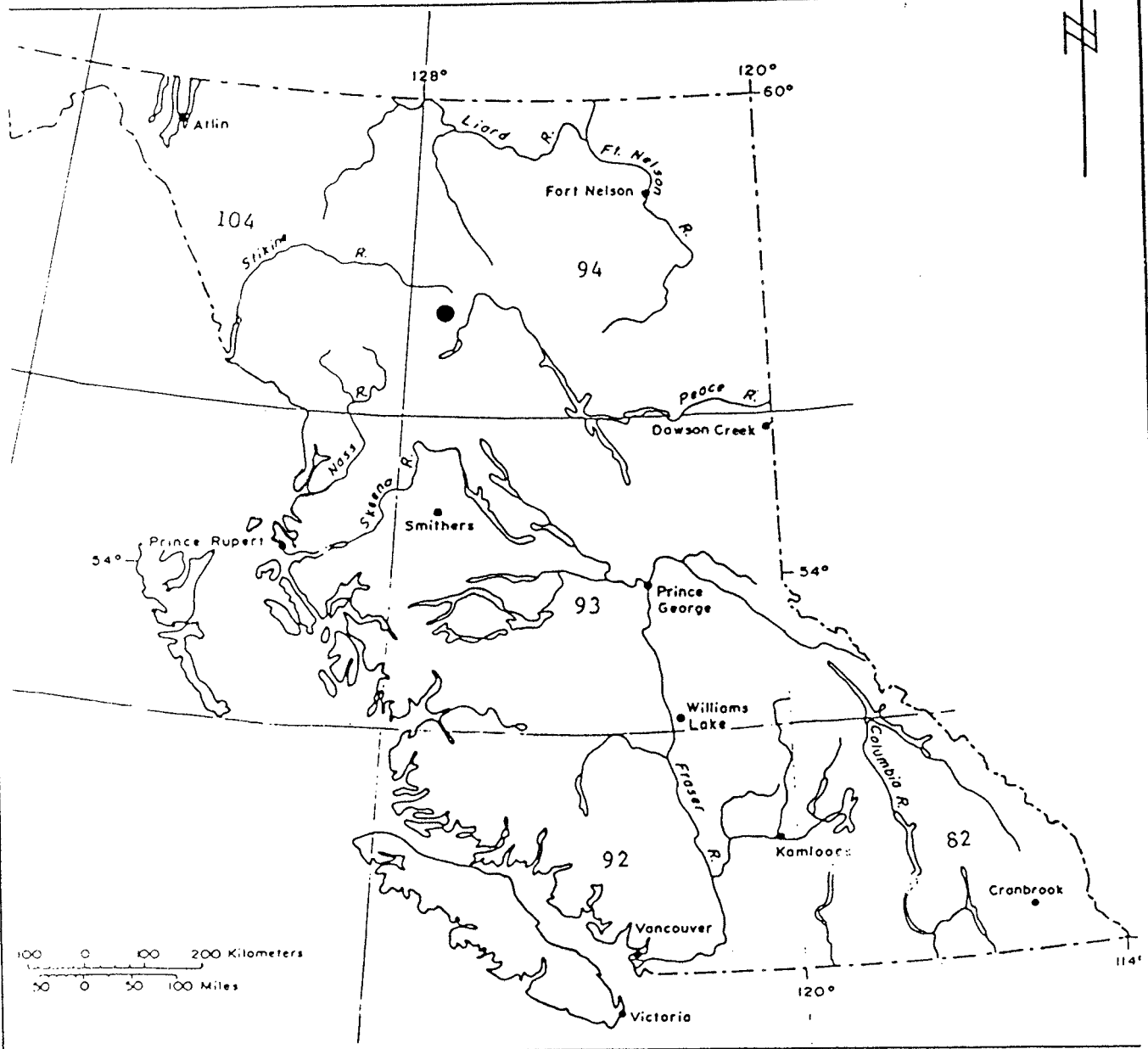
SUMMARY

During September of 1986, five diamond drill holes, totalling 605.02 m were completed on Lacana Mining Corporation's Golden Neighbour property located in the Toodogonne Gold Camp, 280 km north of Smithers, B.C.

The drilling encountered a wide intensely argillically altered fault zone with local quartz veining, and abundant stringer chalcopyrite and sphalerite. Though the gold and silver contents are sub-economic, they are certainly anomalous, as are copper, zinc, lead, molybdenum and tungsten, indicating the area to be within a porphyry-type environment.



CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

GOLDEN NEIGHBOUR
LOCATION MAP

DRAWN/CHECKED BY	SCALE	DATE	N.T.S.	DRAWING
RJ		DEC, 1986		1

INTRODUCTION

Location and Access

The Golden Neighbour property is located in the Omineca Mountains of north-central B.C., on N.T.S. 94-E/6E. The approximate geographic coordinates for the claims are 57°19' North Latitude, and 127°02' West Longitude.

The property is located at the headwaters of Saunders Creek, which flows north into the Toodoggone River 5 kilometres west of Toodoggone Lake, approximately 280 km north of Smithers, which is used as the normal supply centre. DuPont's Baker Mine, which operated from 1981-83, is six km to the southwest.

Access to the property is by fixed-wing aircraft to the Sturdee River airstrip and then by helicopter 12 km north, though the completion of a road into the Toodoggone River area from the south within the near future is an excellent possibility. At present a road from the airstrip to Serem's Lawyers deposit passes within three km of the Golden Neighbour claims and an access road could be readily constructed.

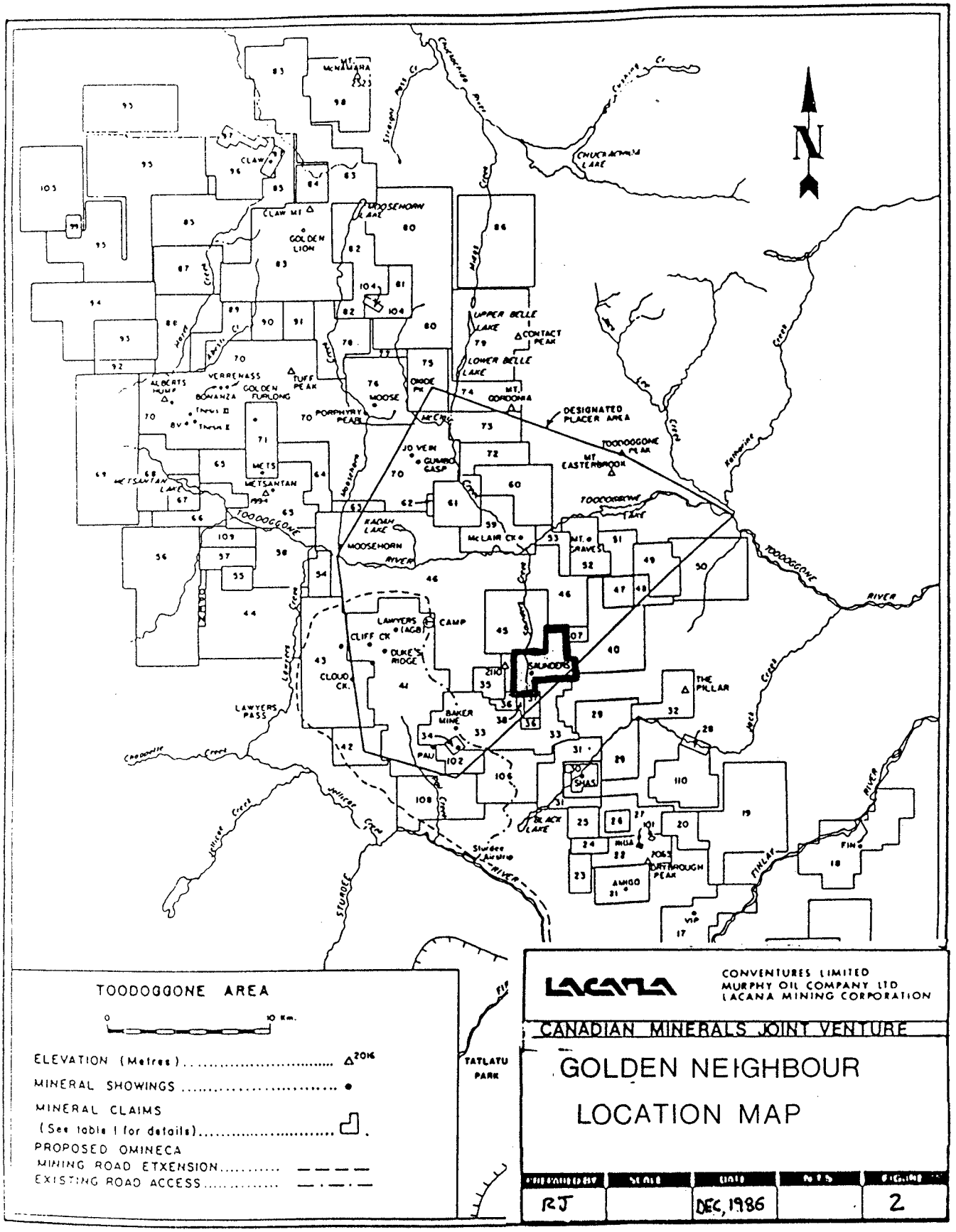
Topography and Vegetation

The claims are located within the Omineca Mountains which are characterized by steep slopes and rounded to jagged peaks and ridges. The mountains are separated by U-shaped valleys, some of which contain deeply incised rivers and creeks.

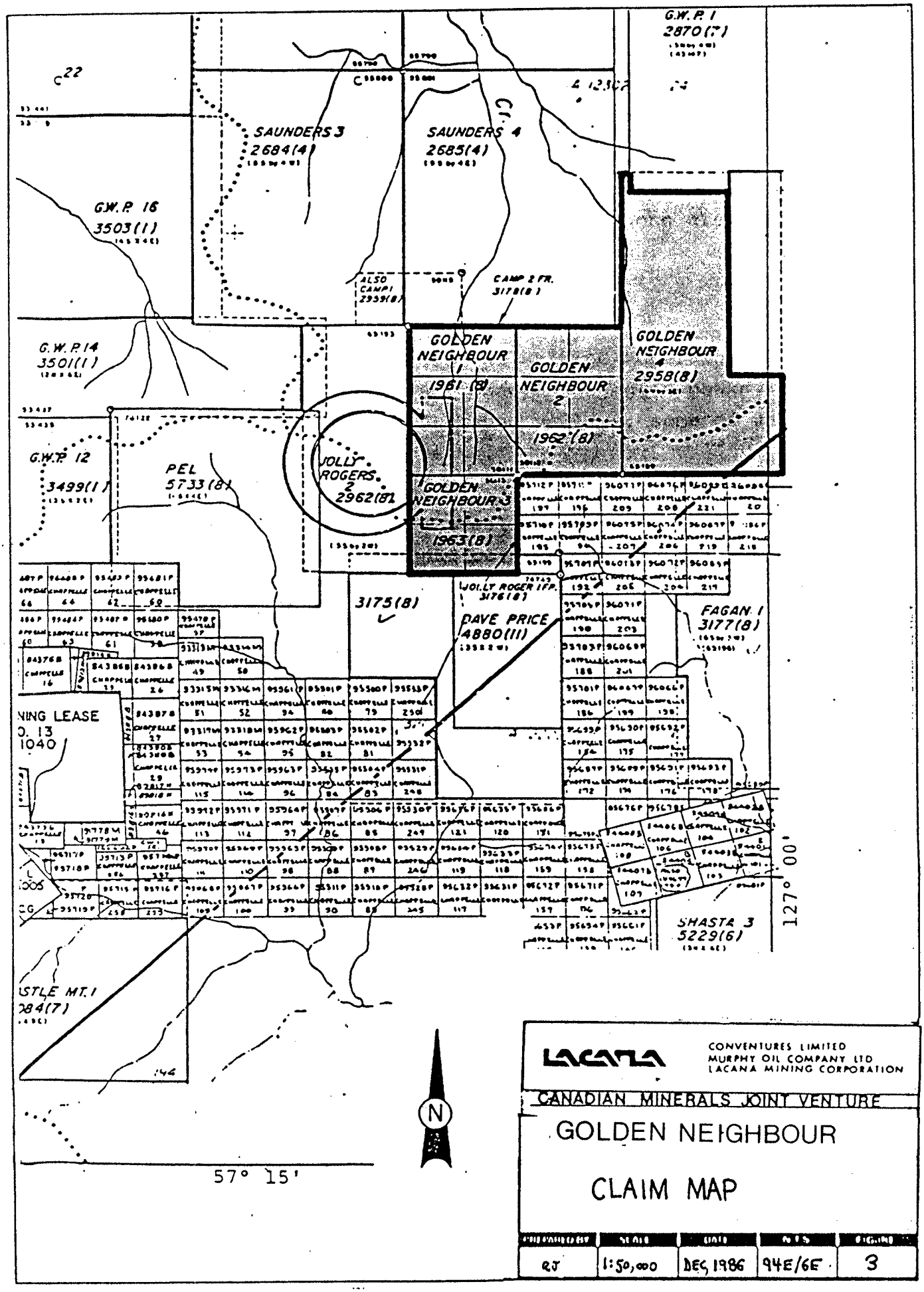
Timber line is at approximately 1600 metres. Below this level most slopes and valley bottoms are well forested with fir and spruce. Above 1600m elevation thick ground cover of alpine fir gives away to grassy slopes and alpine meadows.

Claims

The Golden Neighbour property consists of 5 claims and 2 fractional units totalling 38 units. These claims are wholly owned by Canadian Minerals Joint Venture (1980) and operated by Lacana Mining Corporation. Upon the filing of 1986 work, the claims will remain in good standing until 1996.



LOCATION OF GOLDEN NEIGHBOUR (SAUNDERS) PROPERTY, TOODOGGONE RIVER AREA. (After Schroeter, Diakow and Pantelcyev, 1986.)



LACANA

CONVENTURES LIMITED
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CANADIAN MINERALS JOINT VENTURE

GOLDEN NEIGHBOUR

CLAIM MAP

DRAWN BY	SCALE	DATE	N.T.S.	DRAWING
RJ	1:50,000	DEC, 1986	94E/6E	3

Claims - Cont'd

Claim Name	No. of Units	Record No.	Present Expiry Date
GOLDEN NEIGHBOUR 1	6	1961	Aug 17, 1987
GOLDEN NEIGHBOUR 2	6	1962	Aug 17, 1987
GOLDEN NEIGHBOUR 3	4	1963	Aug 17, 1987
GOLDEN NEIGHBOUR 4	18	2958	Aug 1, 1987
CAMP 1	2	2959	Aug 1, 1988
CAMP 2 Fraction	1	3178	Aug 26, 1987
JOLLY ROGER 1 Fraction	1	3176	Aug 26, 1987

History

The earliest prospecting activity in the area occurred in the 1930's when placer gold claims at Belle Creek, 15 km east of Metsantan, were worked. Further exploration was carried out in the late 1960's when Kennco Exploration (Western) Ltd., Cordilleran Engineering Ltd. and Cominco Ltd. explored the area, searching for porphyry copper-molybdenum deposits.

In 1971, Kennco discovered the Saunders showing from a Au-Cu-Mo soil anomaly on what is now the Golden Neighbour claim. The ground was allowed to lapse in 1973 and restaked by Lacana in 1979. Geological mapping, soil and silt geochemistry, and ground geophysics carried out in 1980-81 confirmed the presence of an extensive gold and silver in-soil geochemical anomalies and coincident VLF-EM anomalies. Follow up hand trenching revealed a number of quartz veins which assayed up to 1620 ppb Au and other areas with over 1% Cu.

In 1985 Alban Explorations Ltd. optioned the claims and performed a small amount of detailed magnetometer, VLF-EM and soil geochemical work, before returning the ground in 1986.

Regional Geology

The geology of the area is well depicted on BCMEMPR Preliminary Map 61 "Geology of the Toodoggone River Area 94-E",(Diakow, Pantaleyeu and Schroeter,1985). It shows the region to be underlain by a series of Late Paleozoic sediments and early Mesozoic volcanics in a northwest trending belt extending over 100 km

from Thutade Lake to the Stikine River.

The Permain Asitka Group sediments, comprised of cherts, argillites and limestones are the oldest rocks in the area, and are overlain by the Upper Triassic Takla Group, which is made up of basalts and andesite flows and pyroclastics. The Takla Group is conformably overlain by subaerial dacite-latite, trachyte and rhyolite pyroclastics of the Lower Jurassic "Toodoggone Volcanics". The western edge of the area is covered by sediments of the Upper Cretaceous-Sustut Group.

Abundant and varied intermediate and alkalic intrusions of Jurassic Age occur throughout the area. Structurally the Toodoggone area is dominated by northwest trending, steeply dipping faults and graben structures.

Property Geology

The property is underlain by a series of altered feldspar porphyries of the Toodoggone Volcanics, which are well exposed along the upper ridges and obscured in talus and undergrowth lower down. Reconnaissance mapping by Lacana suggests the volcanics can be sub-divided into two members, which are roughly divided by a prominant north-west trending fault which cuts across the west side of the property.

East of the fault, andesitic volcanics occur, varying in color from green to purple, and are roughly equivalent to units 3, 4 and 7 on Preliminary Map 61. The west side of the property is underlain by fresh, welded tuffs of dacitic composition and are probably equivalent to unit 8.

The northwest trending fault which separates the two rock types is a major structure, which can be traced for over 55km. This fault hosts the Saunders showing, the target of the 1986 drilling programme and shows on surface as rusty limonitic, gossanous material and abundant clay altered gouge. Abundant ferricrete occurs in Saunders Creek and its tributaries in the area of the fault zone.

Mineralization

Quartz veins and silicified volcanics occur within the argillically altered fault zone and frequently contain chalcopyrite, honey and black sphalerite with lesser galena, molybdenite, pyrite and scheelite.

No significant values of gold or silver were encountered in the veins or elsewhere during the 1986 drilling.

1986 PROGRAMME

From September 4 - 13, 1986, five NQ diamond drill holes, totalling 605.02 m were completed on an intensely argillically altered fault zone with the andesites, which coincides with a weak VLF-EM and gold and silver in soil anomalies.

Holes LS-86-1, 2 were drilled 30 m SW of a 1 m wide quartz vein exposed in 1980-81 trenching and encountered wide intersection of soft white clay, which is interpreted to be an advanced argillically altered fault gouge. The quartz vein was encountered in the first hole, drilled at -45°, but was absent in LS-86-2, which was drilled at -70". Chalcopyrite and sphalerite stringers were common throughout.

LS-86-3 was drilled 87 m SE of this to test the continuity of the vein along strike, but encountered only thin weak zones of quartz stringers and more intensely altered fault gouge.

LS-86-4 and 5 were drilled from tne NE side of the quartz vein on the same section as LS-86-1 and 2. The set up was considerably lower in elevation, and was hoped to give indications of vertical zonation of metals within the fault zone. Minor quartz veins and stringers in abundant advanced argillitic alteration were encountered again. Base metal content appeared to increase with depth.

The core was removed to the Baker Minesite for logging and splitting and is presently stored there. Sample analysis was performed by Acme Analytical Laboratories of Vancouver, B.C.

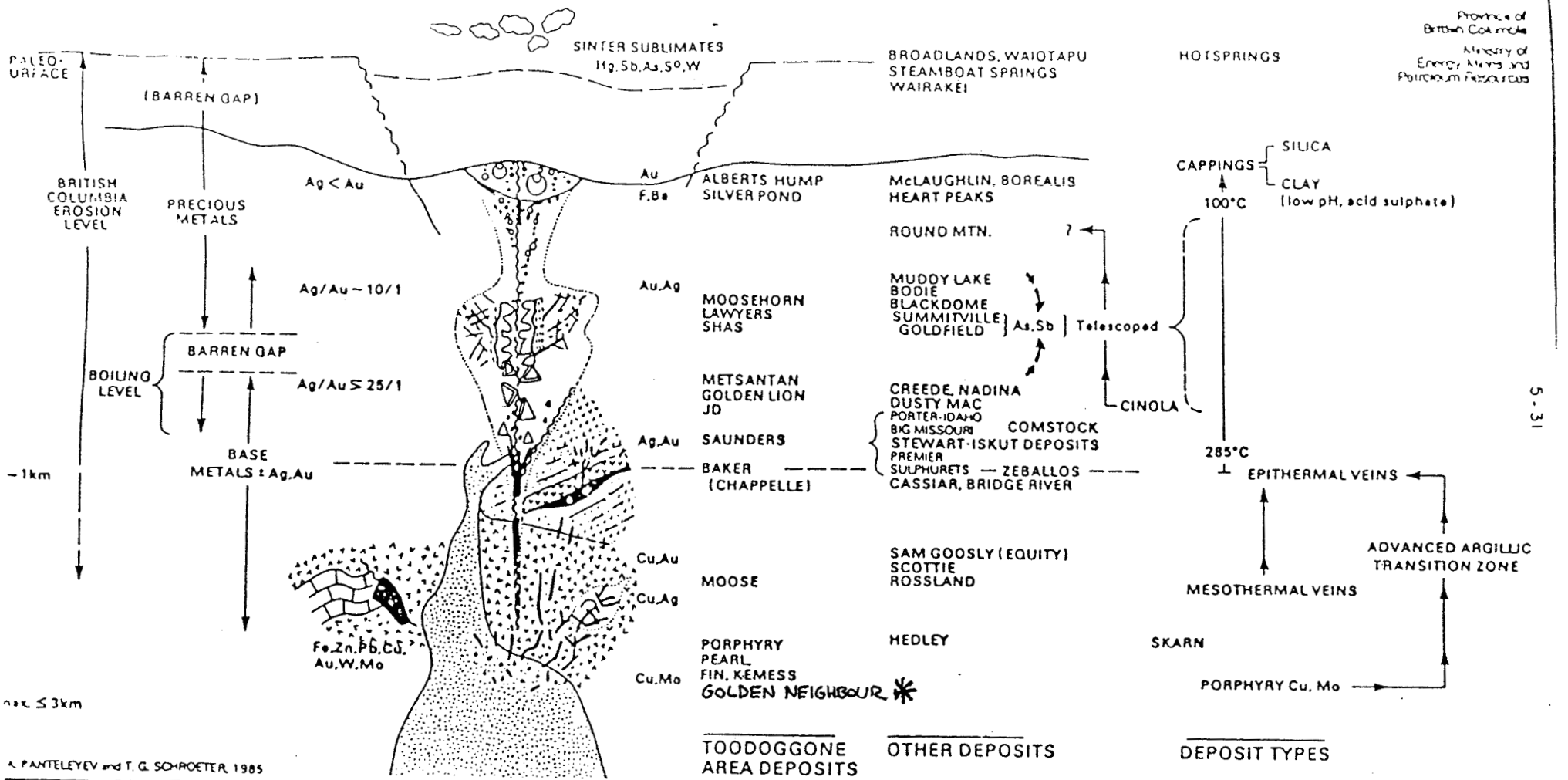
DISCUSSION

Though anomalous gold and silver values were encountered throughout the drilling, none approach economic grades. The high levels of base metals and especially Mo indicate a prophyry

environment (T.Schroeter pers comm), which is depicted on Fig. 4.

Trenching and detailed mapping of the length of the fault zone would be the logical next step to further precious and base metal exploration on the property.

BRITISH COLUMBIA EPITHERMAL MODEL



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

5 - 31

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

GOLDEN NEIGHBOUR

DRAWN BY	SCALE	DATE	N.T.S.	FIGURE
RJ		DEC, 1986		4

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APPENDIX I

BREAKDOWN OF COSTS

605.08 m of NQ Core @ $157.48/metre	$94,800.00

APPENDIX II

METHODS OF GEOCHEMICAL ANALYSIS

The samples were bagged in the field and shipped via air 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 3 ml 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 analysis are: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Au, Sb, Bi, V, Ca, P, 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).

APPENDIX III

DRILL LOGS LS-86-1 to LS-86-5

Property: GOLDEN NEIGHBOUR Location Down Hole Surveys Etch Drilled By: J.T. THOMAS

Area (Map #): 94-E/6E Grid: Depth: Az: ° Dip: ° From-To: Sept 4-6, 1986

Claim #: 133.20 ° -55 ° Size(s): NQ

M.D./County: OMINECA Length: 133.20 (Units: m) ° ° Logged By: R.J. JOHNSTON

Province: Azimuth: 060 ° Dip Collar: -45 ° ° ° Signed:

Remarks:

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
0 - 12.80			CASING		6607	17.07-17.68		0.61		13.2	190
12.80-32.50		Porphyritic Andesite Flow	Toodoggone Volc. Lt-m-gy w wh feld phenos. Locally coarse. Local mass sections. Minor diss py.		08 09	-20.42 -21.94		2.80 1.52		.8 .8	50 28
			Local prop alt and soft arg. alt. 0-31 Badly broken core 60-80%.		6611 10	28.65-29.36 25.20-26.52		0.71 1.32		.1 1.2	19 23
			17.07-20.42 30% recovery. Lt gy mass and wk sil'n. Abund stringer py 30-50°CA. 17.07-17.68		12 13	29.56-30.20 -32.50		0.64 2.30		.3 .4	10 32
			stringers of bl-gy qtz w/abund py. 20.42-30.00 prop alt.		14 15	-33.15 -34.96		0.65 1.81		1.1 11.7	30 250
			22-28 40-50% recovery. 28.50-29.0 Incomp; arg alt-minor qtz-py clasts		16 17	-36.90 -38.50		1.94 1.60		1.9 1.0	41 20
			in mud. Gradational		18 19	-38.75 -39.95		0.25 1.20		.7 .2	3 6
32.50-49.37		Arg. Alt Porph Andesite	Abund soft wh arg alt, locally w intense. Local sil'n.		20	-40.26		0.31		.2	2
			32.50-33.15 Wh qtz vein, local d. gy patches Minor py w/trace cp, sp, HW contact.		21 22	-40.50 -41.81		0.24 1.31		.2 2.4	2 33

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
32.50	49.37	Arg. Alt Porph Andesite	80°CA, lower contact 30°CA; bx'd w/arg alt clasts.		6623	41.81	42.30	0.49		1.5	40
					24		43.95	1.65		2.9	630
			33.15-34.96 Qtz & py stringer 0.1 → 1 cm 2 sets @ 30° or 80-90°CA Local cp, lt bn sp		25		45.24	1.29		.3	46
					26		47.00	1.76		.3	31
			Minor thin am stringers 34.96-36.90 Prop alt and w/local qtz veins, some		27		48.50	1.50		.7	44
					28		49.37	0.87		1.2	47
			vuggy. 36.30 slicks in core 0°CA rake 80°		29		49.99	0.62		.4	26
					30		51.16	1.17		.6	20
			36.90-38.50 Minor arg alt. 60°CA py veins. Intense imcomp arg alt 38.10-38.50		31		52.50	1.34		.3	15
					32		54.00	1.50		.4	13
			38.50-40.57 Wh, mass, qtz vein, locally vuggy w/ abund arg alt xenos. Minor diss py. 40°CA		33	57.25	57.91	0.66		.2	36
					34		58.83	0.92		.4	20
			contacts. Local ba? Mass py contact, w/ minor cp		35		61.00	2.17		.2	21
					36		63.00	2.00		.4	43
			40.50-49.37 Arg alt bx'd sil'd volc. Qtz veins w/ minor cp, py @ 60°CA.		37		64.31	1.31		.2	31
					38		66.14	1.83		1.0	45
			41.81 Abrupt contact btw arg alt bx & wkly sil'd volc w/minor qtz veins. 42.30 grades into arg		39		67.97	1.83		.1	46
					40		69.19	1.22		.2	28
			alt bx as above → 43.95 43.95-45.24 competent, partially sil'd volc as		41		72.24	3.05		.3	33
					42		75.28	3.04		.4	54
			above. 45.24-49.37 Incomp arg alt bx.		43		78.33	3.05		.5	28
					44		81.38	3.05		.3	42
49.37	83.21	Prop-Arg Alt Porph And.	As above, locally incomp arg alt, w/ local prop alt. Local thin 20-30°CA am stringers.		45		83.21	1.83		.6	60
					46		85.34	2.13		.5	22
			49.99-51.16 50% rec. Arg alt bx'd sil'd volc as above.		47		88.39	3.05		.4	43
					48		89.61	1.22		.8	50
			51.60 20 cm of competent weakly sil'd volc, as above.		49		90.30	0.91		.6	36
					6650		92.35	2.05		.6	41

LACANA MINING CORPORATION DIAMOND DRILL RECORD LS-86-1 Hole 1. Page 3 of 4

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
49.37	83.21	Prop Arg & Alt Porph And.	52.80 Am veining 55.17-57.00 10% recovery		6651 52	92.35 	92.80 92.85	0.45 0.05		.7 .5	31 29
			57.25-60.04 Arg alt bx as above. 40% recovery 59.8-61.0 Arg alt fault zone?		53 54	101.00 	103.40 103.86	2.40 0.46		.9 .5	22 39
			66.14-81.38 V badly broken,10-30% recovery. Wk-mod sil'n w/mass py.		55 56	 	104.60 104.89	0.74 0.29		1.4 20.0	15 51
			81.38-83.21 Porp alt- some pk hem alt		57 58	 	106.40 107.05	1.51 1.45		3.8 1.2	34 45
83.21	133.20	Prop Alt. And. Flow	Gn groundmass w/rd hem alt. felds. Badly broken 20-40% recovery.		59 60	 	107.35 108.81	0.30 1.46		4.1 .7	18 26
			83.0-99.0 15-20% recovery. 90.30-92.35 Arg. alt bx as above.		61 62	 	110.34 113.69	1.43 3.35		.3 .5	32 50
			92.80 5 cm sugary wh qtz vein w/3% coarse py 99.0-109.0 100% recovery. Rd hem stringers at		63 64	 	114.30 115.52	0.61 1.22		.3 .7	42 35
			various CA's. Local am veinlets 80°CA. Local wh qtz veins → 1 cm, w/py, sp, ankerite.		65 66	 	116.12 117.96	0.60 1.84		.7 .6	18 11
			103.40-103.86 Lt gy ser(?) alt zone. Py, am stringers at 80-90°CA.Offset of qtz vein @ 90°CA		67 68	 	119.18 121.00	1.22 1.82		.9 .5	22 24
			104.0-106.0 abund wh, am qtz veins @ 30-45°CA w/ cp, sp.		69 70	 	121.92 124.05	0.92 2.13		.9 .7	22 39
			104.60-104.89 Qtz bx zone. Lt gy silica w/gy-bk alt clasts at upper contact. Cut by abund wh, gy		71 72	 	124.66 126.00	0.61 1.32		1.0 1.4	39 25
			qtz veins w/abund cp @ 80°CA. 107.0-133.20 20-30% recovery		73 74	 	127.71 130.14	1.71 2.31		.7 .7	14 16
			108.81-110.34 Mod sil'd volc w/ VFG diss py. 113.90 2 cm vuggy wh qtz vein w/py @ 60°CA.		75		133.20	3.06		.6	27
			116.12-117.50 Rd hem alt. 119.20 20 cm of wk sil'n.								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LS-86-1 Page 4 of 4

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
83.21	133.20	Prop Alt. And. Flow cont	122.0-123.10 Local irreg wh qtz stringers → 1 cm w/ rd hem, ank.								
			END OF HOLE								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LS-86-2 Page 1 of 3

Property: GOLDEN NEIGHBOUR Location Down Hole Surveys Etch Drilled By: J.T. THOMAS

Area (Map #): 94-E/6E Grid: Depth: Az: ° Dip: ° From-To: Sept 6 - 7, 1986

Claim #: 133.20 ° -72 ° Size(s): NQ

M.D./County: OMENICA Length: 133.20 (Units: m) ° ° Logged By: R. J. JOHNSTON

Province: B.C. Azimuth: 060 ° Dip Collar: -70 ° ° ° Signed:

Remarks:

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
0	9.14		Casing		6676	11.28	13.11	1.83		.2	260
9.14	32.00	Prop Alt. Porph And. Flow	Gn ground mass w/local pk hem alt felds → 7mm. Locally coarse-grained, looks like intrusive,		77	15.52	16.10	0.58		.8	69
					78	22.86	23.77	0.91		.1	80
			1% diss py. 13.11-14.30 D. gy-gn prop alt flow, finer.		79	35.66	38.71	3.05		.2	71
					80	42.52	44.00	1.48		.2	23
			15.52-16.10 Arg alt'n; 0°CA thin veinlets of wh qtz.		81	46.18	49.53	3.35		.3	37
					82	57.20	58.50	1.30		.2	29
			22.0-32.0 1% diss py. 29.50 Badly broken		83	63.29	64.06	0.77		.3	74
					84	65.70	66.90	1.20		.3	59
32.00	39.00	Massive Andesite	Lt gy, local arg alt. Minor arg alt bx'd sil'd volc, pyritic. Minor qtz veining.		85		-69.25	2.35		.3	36
					86		-69.73	0.48		.4	59
39.00	133.20	Prop. Alt. Porp And. Flow	As above. Local arg alt zones. 43.40 Arg. alt'n-minor diss py and cp.		87	72.40	72.70	0.30		.5	43
					88	80.31	80.61	0.30		.3	22
			46.25 Irreg wh qtz-py veins 50.00 Flow becomes finer.		89	81.70	82.00	0.30		.3	34
					90	86.00	87.50	1.50		.1	71
			57.20-58.50 Lt gy ser/arg alt'n w/minor fine qtz stringers @ 30°CA. Minor py.		91	91.20	92.23	1.03		.4	47
					92	95.04	95.20	0.16		2.4	34

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
39.00	133.20	Prop Alt Porph And. Flow	63.29-64.06 As above. 65.70-66.00 " "		6693 94	97.11-97.40 100.50-101.64		0.29 1.14		1.1 .5	37 35
			66.60-69.18 30% recovery 72.40-72.70 Lt gy alt zone, as above.		95 96	-102.10 -104.00		0.46 1.90		.8 .3	50 33
			79.70-79.90 Lt gy prop alt zone - local ep alt felds.		97 98	108.78-109.77 111.46-111.89		0.99 0.45		2.7 1.1	99 41
			80.40 1 cm wide bl-gy qtz vein w/lt gy alt halo for 5cm - minor py.		99 6700	-113.41 -115.35		1.52 1.94		.5 .1	38 19
			81.75 wh qtz-dol vein 20°CA. 83.20 10 cm of soft arg alt'n		01 02	117.55-118.56 121.53-122.58		1.01 1.05		.6 .2	101 42
			86.0-87.5 Lt gy ser/arg alt. 91.20-92.23 Lt gy arg alt'n w/discont veins of bl-gy qtz.		03 0	125.28-125.39		0.11		.9	39
			95.10 1 cm gl-gy qtz vein w/minor py; 45°CA								
			97.20 Thin qtz veins 90°CA 100.0-E.O.H. Local wh qtz-cc veins. Irreg, high CA's w/local abund py, cp.								
			101.64-102.10 Lt gy arg alt zone @ 20°CA bl-gy qtz stringers.								
			108.78-109.70 Irreg wh CG qtz veins w/minor py 80-90°CA.								
			111.40 Qtz vein w/slickensides 0°CA, 45° rake.								
			111.46-111.89 Qtz veins, stringers - 1cm @ 20°CA w/cp, w/lt bn ank.								
			113.41-145.35 Lt gy clay arg alt'n. 117.55-118.56 " " " bl-gy qts stringers @ 10, 90°CA.								
			121.53-122.56 as above, @ 30-45°CA.								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LS-86-2 Page 3 of 3

INTERVAL (metres) FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL (metres) FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
39.00	133.20	Prop Alt.Porph And, Flow	125.35 1 cm wh qtz vein @ 45°CA w/ank, cp, sp, actinolite?								
			END OF HOLE								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LS-86-3 Page 1 of 3

Property: GOLDEN NEIGHBOUR Location Down Hole Surveys ETCH Drilled By: J.T. THOMAS

Area (Map #): 94-E/6E Grid: Depth: Az: ° Dip: ° From-To: Sept 9 /86

Claim #: 90.52 ° -50 ° Size(s): NQ

M.D./County: OMINECA Length: 90.52 (Units: m) ° ° Logged By: R. J. JOHNSTON

Province: B.C. Azimuth: 090 ° Dip Collar: -45 ° ° ° Signed: R.J.

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	6.10		Casing		6704	6.10	8.00	1.90		.1	115
6.10	23.0	Porphyritic Andesite	Toodoggone Volcanic; Lt gy w/abund prop alt. Minor local arg alt. 1% diss stringer py.		05	11.00	11.10	0.10		.8	108
					06	23.36	23.83	0.56		.8	220
			6.10-12.0 Local slickensides 0-20°CA, rakes 60-90°		07	25.05	25.23	0.18		.4	26
					08		-26.50	1.27		1.9	66
			7.5 10 cm of wk sil'n.		09		-27.17	0.67		1.1	36
			11.05 Pk am vein w/py, 10°CA.		10		-28.05	0.88		.4	82
			13.40-14.30 Arg alt soft clay, 30% recovery		11		-29.42	1.37		.3	88
					12		-29.62	0.20		.4	156
23.0	29.42	Arg. Alt Porph. And.	Arg'n ranges from wk; wh clay on fractures, to intense; soft incomp lt gy clay.		13		-30.00	0.38		.2	44
					14		-30.71	0.71		.2	88
			23.36-23.83 soft wh clay. Minor diss py. Sl calc clasts(?) of wh qtz vein material/lt gy sil'd		15	30.91	31.24	0.33		.3	24
					16		-31.72	0.48		.7	190
			volc (?)		17		-32.06	0.44		.5	68
			23.90 slickensides 10°CA 90° rake.		18	35.27	36.68	1.41		.3	132
			25.05-25.23 Incomp arg alt gn volc.		19	38.10	40.00	1.90		.3	94
			25.52-26.50 Wh mass qtz vein, w/abund lt gy arg.		20	40.50	41.22	0.72		.2	60

INTERVAL metres FROM TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
23.0-29.42	Arg. Alt. Porph. And.	alt clasts. Bx'd contacts, prob at mod CA's. Minor diss py, also rimming clasts. Minor ep.		6721 22	43.36-43.84 44.17-44.40	0.48 0.23		.2 .2	134 97
		26.50-27.17 Intensely argillically alt zone 45°CA Fabric; d. gy, minor qtz in discont veins.		23 24	46.00-46.26 47.63-47.78	0.26 0.15		.3 .2	76 40
		Local FG bk qtz clasts (?)/broken vein(?) 30°CA contact.		25 26	48.60-49.00 53.02-53.30	0.40 0.28		.3 .1	37 109
		27.17-28.05 Competent lt gy arg-sil alt volc. Diss soft gn gyp(?) 1% py, diss stringers soft		27 28	53.67-54.40 55.73-55.95	0.77 0.22		.3 .2	43 74
		clay alt on fractures @ various CA's. 28-05-29.42 Soft wh intensely arg alt zones w/		29 30	57.28-57.75 75.28-77.72	0.47 2.44		1.0 .4	53 71
		abund lt gy sil'd volc clasts(?) & wh-gy qtz vein.		31	87.47-90.52	3.05		.6	99
29.42-32.50	Massive And Flow	Gy-gn, finer than other volc. Local argillic-sil alt zones - lt gy sil'd volc in matrix of wh							
		clay, also intense arg alt along fractures. 29.62-32.50 Arg-sil alt zone 50°CA contact							
		30.30-30.50 Abund fine py stringers 10, 80°CA 30.91-31.24 Arg sil alt zone, minor py.							
		31.24-31.72 Gn gyp(?) as 5 mm diss patches. 31.72-32.06 sil-arg alt zone, 1-2% py.							
32.50-90.52	Prop Alt Porph Andesite	Gy-gn groundmass w/5-10mm felds, locally ep alt. 1% diss py. Local arg alt & sil-arg zones.							
		35.27-36.28 Arg-sil alt zone, minor cc, gyp. 36.40 Lt gy qtz veining w/tr cp, ank, sp, @ 0°CA.							
		36.70 Irreg wh-rd qtz-cc-hem veining 38.20-39.50 Thin bl-gy qtz & py stringers 45°CA							
		40.60-41.22 Arg-sil alt. 1% py. 41.90 poss porphyry dyke.							

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
32.50	90.52	Prop Alt Porph Andesite	42.0-42.8 Arg -sil alt 70°CA. Slickensides 0°CA, 90° rake.								
			43.36-43.84 Arg-sil alt. Pk tinge, Irreg wh carb veinlets.								
			44.20 " " " " " "								
			46.00-46.26 Arg.-sil alt. Poss porphyry dyke 60°CA.								
			47.70 Irreg. thin wh qtz stringers								
			48.20-49.00 Wk sil'n w/local bk fg mass chl?								
			49.80 20 cm of rd hem'n.								
			53.02-53.30 Arg-sil alt.								
			53.57-54.40 Arg-sil alt - less sil'n. Abund arg alt to 57 m.								
			56.20-56.50 soft gn arg. alt'n.								
			57.30-57.70 Local soft bk mud- sheared, platy 30-45°CA.								
			59.74-90.52 (E.O.H.) poor recovery 5-20%.								
			66.14-69.19 0% recovery.								
			75.28-77.72 Mod sil'n.								
			80.0-90.52 wh clay w/gravel as core - prob abund arg. alt.								
			87.47-90.52 Mod sil'n.								
			END OF HOLE.								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LS-86-4 Page 1 of 3

Property: GOLDEN NEIGHBOUR Location Down Hole Surveys Etch Drilled By: J.T. THOMAS

Area (Map #): 94-E/6E Grid: Depth: - Az: ° Dip: ° From-To: Sept 10 & 11, 1986

Claim #: 90.52 ° -55° Size(s): NQ

M.D./County: OMINECA Length: 90.52 (Units: m) ° ° Logged By: R. J. JOHNSTON

Province: B.C. Azimuth: 225 ° Dip Collar: -45 ° ° ° Signed: R.J.S.

Remarks:

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
0	9.14		CASING		6732	9.14	11.28	2.14		1.0	28
					33		14.32	3.05		2.5	45
		Arg. Alt Prop Proph And.	Pk, gy and w/local sections of mod-int arg alt, locally sil'd.		34		17.37	3.05		.5	40
					35		20.42	3.05		.4	16
			9.1-33.0 30-40% recovery.		36		23.47	3.05		.5	27
			9.14-112.8 Sil'd volc fragments in gy clay		37		26.52	3.05		.7	28
			14.0 soft bk fg mud-sheared, platy 20°CA		38	29.56	32.61	3.05		.4	58
			18.0 sil'd clasts		39	47.90	48.00	0.10		.7	45
			20-26 Sil'd volc frags with diss py in gy clay		40	49.95	50.56	0.61		.3	30
			29-30 " " " " " "		41	53.20	53.53	0.33		2.1	46
30.0	54.0	Prop Alt. Porph Andesite.	Pk, gn groundmass, Local thin clay arg alt zones. Minor thin red hem stringers. 60-70% recovery		42		54.44	0.91		.7	47
					43		55.12	0.68		.9	104
			37.5-41.0 20% recovery.		44		56.99	1.87		.7	54
			47.90 irregular 3 cm qtz-dol(?) rd hem vein w/ diss py.		45		58.12	1.13		.4	27
					46		58.77	0.65		.9	26
			48.0-49.5 Soft gn chl alt. volc.		47		59.14	0.37		6.1	450
			49.5-50.56 Sil'd volc, competent. Lt gy w/thin qtz-am veins at high CA's. Also thin arg alt'd		48		59.80	0.66		4.7	29
					49		60.04	0.24		21.0	67

INTERVAL METRES FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL Metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm.	Au ppb
30.0-54.0		Prop Alt Porph Andesite	fractures 53.20-53.53 Arg alt sil'd volc w/abund cp & py.		6750 51	60.04-61.20 -61.55		1.16 0.35		2.4 2.7	63 35
			Sharp 20°CA contacts. 53.0 tremolite in 0.5 cm 0°CA veins.		52 53	-62.18 -64.57		0.63 2.39		.6 .9	220 133
54.0-68.0		Sil Arg Alt Porph Andesite	Lt gy w/abund clay alt'n around fractures. Qtz veining.		54 55	-65.30 -65.77		0.73 0.47		.6 11.4	135 60
			54.44-55.12 lt gy sil'n adjacent to 10°CA 0.5 cm qtz-py veins.		56 57	-66.90 -68.00		1.13 1.10		3.0 .4	68 30
			56.99-58.12 Intense sil'n w/abund irreg 1-2 cm gy qtz veins w/ cp, ank. and y alt'n.		58 59	72.70-72.81 76.15-76.35		0.21 0.20		.3 1.5	29 21
			58.12-58.77 Arg alt bx'd sil'd zone @ 45°CA 58.77-60.04 Sil'd bx - sim to above, no clay.		60 61	79.85-80.12 -81.38		0.27 1.26		.2 1.0	51 56
			Diss cp;cut by 0-20°CA qtz vein minor stringers of cp,sp.		62 63	89.91-90.20 -90.52		0.29 0.32		.5 .4	27 26
			58.77-59.14 V. dark qtz veins. 60.04-61.20 Mod sil'n; irreg qtz veins w/minor cp								
			61.20-61.55 Intensely sil'd w/diss py-cp around 10°CA hem-py vein.								
			61.55-62.18 Sil'd volc w/arg alt fractures. 62.18-64.57 Prop alt.								
			64.57-65.30 Sil'd w/ 1-2 cm wh qtz vein w/ diss cp. Thin am veinlets.								
			65.50-65.70 Qtz clasts w/ 1-2% diss cp in wh clay.								
			66.60-66.80 Bk mud. 66.95 0°CA wh gy CG qtz vein.								
68.0-90.52		Prop Alt. Porph Andesite	Gn local rd-wh qtz-dolomite(?) veins at various CA's.								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole #. LS-86-4 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
68.0	90.52	Prop Alt. Porph Andesite	72.70-72.81 Single 8 mm 10°CA qtz-am vein w/diss cp.								
			76.25 Thin qtz-vein 45°CA w/cp, ank. 79.85-80.12 Mod sil'n; 0°CA py stringers								
			80.50 Local bk Fg chl(?) patches in qtz veins. 90.00 10°CA wh qtz vein w/local py.								
			90.10 minor irreg wh qtz veins w/arg alt. 90.30 " " " " " "								
			END OF HOLE								

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LS-86-5 Page 1 of 3

Property: GOLDEN NEIGHBOUR Location Down Hole Surveys Etch Drilled By: J.T. THOMAS

Area (Map #): 94-E/6E Grid: Depth: Az: ° Dip: ° From-To: Sept 12, 13, 1986

Claim #: 157.28 ° -67 ° Size(s): NQ

M.D./County: OMINECA Length: 157.58 (Units: m) ° ° Logged By: R? J? JOHNSTON

Province: B.C. Azimuth: 225 ° Dip Collar: -70 ° ° ° Signed:

Remarks:

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
0	9.14		Casing		6764	35.66	38.71	3.05		.1	8
					65		41.76	3.05		.3	5
9.14	35.0	Prop'd Porph Andesite	0-20% rec. Gn, w/feld phenos, locally gy, massive.		66		44.19	2.45		.6	6
			14.37-28.56 0% recovery.		67	44.50	44.80	0.30		.3	10
35.0	45.0	Arg-Sil Alt Zone	Lt. gy clay w/clasts of qtz, sil'd volc fragments		68		45.00	0.20		.3	5
			some w/py. 10-20% rec.		69	48.97	51.07	2.14		.1	9
			42.0 wh qtz fragments w/py, cp		70		51.70	0.63		.3	31
			44.19-44.50 No core.		71		53.00	1.30		.2	70
45.0	48.97	Prop'd Porph Andesite	As above, Local 30°CA qtz-py veins.		72		54.84	1.84		.3	8
					73		56.00	1.16		1.4	37
48.97	54.84	Arg-Sil Alt Zone	Lt gy clay w/abund wh qtz veins, some w/py, at		74	70.47	71.78	1.31		.4	32
			various CA's. Thin py stringers. Local minor		75	76.56	77.18	0.60		.3	35
			discrete 6 alt patches. 90-100% rec.		76	82.85	83.15	0.30		.3	48
					77	89.12	89.27	0.15		.9	230
54.84	101.0	Prop'd Porph And.	D. gh, w/local ep alt. felds. Local arg alt sect-		78	101.05	101.40	0.35		2.3	29
			ions. Local minor qtz-py stringers, veins.		79	101.76	102.55	0.79		.9	28
			Local pk syenite dykes(?)		80		104.54	1.99		4.2	19
			59-70 30-50% rec.		81		105.30	0.76		1.3	4

INTERVAL metres FROM	TO	ROCK TYPE	DESCRIPTION	PLANAR FEATURE ANGLE°	SAMPLE #	INTERVAL metres FROM	TO	SAMPLE LENGTH	ASSAYS Au oz/T	Ag ppm	Au ppb
54.84	101.0	Prop'd Porph Andesite	70-101 90-100% rec. 70.47-71.78 Lt gy arg alt'n w/2% local py, 45°CA	45°CA	6782 83	105.30 -107.56	-105.50 2.06	0.20		25.2 2.3	15 64
			gy qtz veins. 72-80 Thin rd-wh qtz-dol-hem stringers at	Qtz Veins	84 85	-108.12 -109.63	0.56 1.51			1.2 1.2	68 64
			various CA's. 73.15-75.28 20% rec.		86 87	-111.50 113.21	1.87 -113.82	0.61		1.3 .8	15 12
			76.56-77.18 Arg-sil alt. Minor low CA qtz-py stringers.		88 89	115.00 -118.00	-116.00 2.00	1.00		1.0 1.9	40 19
			81.20-81.33 As above. 82.85-83.15 Arg-sil alt.		90 91	-120.00 -122.00	2.00 2.00			.7 .2	15 12
			85.72-87.25 Arg-sil alt zones w/45°CA qtz stringers w/ minor cp, ank, sp.	45°CA py stringers	92 93	-123.95 -124.20	1.95 0.25			1.0 .2	14 4
			89.2- 0.5 cm wh qtz-carb vein w/abund py. 91.0-97.0 Irreg thin wh clay stringers.		94 95	-126.00 -128.00	1.80 2.00			.9 .4	15 37
			92.80 20°CA thin wh qtz vein w/ank-sp. 96.50 Slickensides in bk sheared mud gouge 10°		96 97	-130.00 -132.00	2.00 2.00			.1 .5	26 29
			CA, 60° rake.	20°CA Qtz Veins	98 99	-133.00 -135.00	1.00 2.00			1.0 1.4	49 29
101.0	151.90	Arg.-sil Alt. Andesite	Prop'd porph and Abund local lt gy arg-sil alt sections. Abundant wh qtz veins w/ local py,		6800 8165	-137.00 -139.00	2.00 2.00			1.3 1.2	25 38
			cp, mostly at low CA's, or 90°CA 101.20 Lt gy arg-sil alt w/45°CA qtz veins;w/ank		57 58	-140.00 -142.00	1.00 2.00			.3 .4	3 8
			102.00 " " 45°CA py stringers. 103.0-104.0 Lt gy sil-arg alt. local cp.		59 60	-144.00 -146.00	2.00 2.00			.1 .1	6 5
			105.40 3 cm gy qtz veins w/50% py-cp-ank-sp 106-107 Lt gy sil'n, 45°CA py stringers w/minor		61 62	-148.00 -150.00	2.00 2.00			.4 .2	10 6
			py. 107.56-108.12 Arg-sil alt zone. 1 cm py stringers	45°CA py stringer	63 64	-151.90 -153.00	1.90 1.10			3.0 .6	42 6

LACANA MINING CORPORATION DIAMOND DRILL RECORD Hole # LS-86-5 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	ASSAYS Au ppb
101.0	151.90	Arg-sil alt. Andesite	107.56-108.12 Arg-sil alt zone. 1 cm py stringers 45°CA. Minor amethyst.								
			109-110.0 Arg sil alt; py; stringers, qtz veins @ 0, 90°CA w/local cp, ank.	0, 90°CA Qtz veins							
			113.5 1 cm 90°CA qtz vein w/bk hem, py. Minor arg alt.								
			115.0-116.0 Local arg-sil alt zones w/90°CA stringer py	90° py stringers							
			120-140 Gn alt gy mass and. 121-142.0 Abund qtz veining.								
			123.95-124.15 Intense arg-sil alt. 125.5 cp in sil'd zone.								
			127.20 cp in 0°CA qtz veins. 127-129 Local intense arg alt along fractures.	0° CA Qtz veins							
			133-137 Abund gy-wh qtz veins w/cp, ank, sp @ 10°CA.	10°CA Qtz Veins							
			135 Qtz veins at opposing 10°CA. 143-145 Local soft arg alt around fractures -								
			abund py stringers. 146.5-148.0 Lt gn clay alt.								
			148.0-151.90 Soft gn chl alt and w/local lt gy wh qtz veins, diss & stringer py. Sharp 45°CA	45°CA Contact							
			contacts.								
151.90	157.58	Syenite Dyke	Prop alt.								
			END OF HOLE								

APPENDIX IV

MULTI-ELEMENT 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: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 10 1986 DATE REPORT MAILED: P4-Rocks Sept 17/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

LACANA MINING PROJECT - TOOD FILE # 86-2574 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
6607	50	181	158	130	13.2	3	75	390	12.63	27	5	ND	4	11	1	2	180	15	.96	.055	2	1	.35	7	.01	2	.58	.05	.14	1	190
6608	14	187	24	43	.8	4	19	242	6.07	14	5	ND	4	17	1	3	7	14	.82	.067	11	1	.27	11	.01	2	.64	.04	.24	1	50
6609	22	465	51	363	.8	2	10	2176	5.68	4	6	ND	5	23	1	2	2	48	1.24	.091	11	1	2.14	36	.01	2	2.38	.06	.19	1	28
6610	6	82	30	356	.1	2	6	2054	5.18	3	5	ND	4	22	1	2	2	76	1.15	.082	7	3	1.51	51	.02	4	1.92	.07	.19	1	19
6611	5	102	155	1506	1.2	3	6	2363	4.28	3	5	ND	5	23	8	2	2	39	1.00	.084	9	2	1.37	46	.01	3	1.71	.04	.21	1	23
6612	3	68	70	311	.3	3	6	2660	4.74	5	5	ND	5	24	1	2	2	72	1.51	.085	7	2	1.68	21	.01	4	2.02	.07	.14	1	10
6613	5	125	44	233	.4	3	8	1815	4.31	5	5	ND	3	17	1	2	2	27	1.01	.072	11	3	1.13	41	.01	3	1.45	.04	.19	1	32
6614	34	195	100	827	1.1	3	5	257	1.82	3	5	ND	2	36	5	2	5	6	1.89	.037	4	2	.12	21	.01	2	.32	.04	.13	1	30
6615	33	869	39	1282	11.7	3	7	1610	4.42	10	5	ND	3	12	8	2	19	24	.38	.067	8	3	1.16	28	.01	2	1.32	.03	.18	1	250
6616	23	628	107	1512	1.9	3	7	1635	4.12	6	5	ND	3	13	10	3	6	22	.51	.069	12	3	.79	32	.01	4	1.11	.03	.20	1	41
6617	26	256	28	791	1.0	3	11	594	4.55	3	5	ND	4	13	5	4	7	13	.42	.087	6	2	.48	24	.01	3	.81	.02	.22	1	20
6618	7	110	25	14	.7	6	25	52	10.63	2	5	ND	2	7	1	2	4	3	.38	.016	8	1	.02	6	.01	8	.11	.03	.06	1	3
6619	8	39	5	5	.2	2	2	50	.69	2	5	ND	1	15	1	2	2	1	.75	.008	3	4	.01	54	.01	2	.10	.02	.05	1	6
6620	14	44	11	46	.2	4	2	71	1.04	2	5	ND	1	5	1	2	2	1	.36	.007	2	5	.01	13	.01	2	.05	.01	.01	2	2
6621	51	30	11	4	.2	2	1	52	.56	2	5	ND	1	16	1	2	2	1	.60	.015	2	2	.01	107	.01	2	.09	.01	.05	1	2
6622	36	130	14	35	2.4	3	3	73	1.16	3	5	ND	4	29	1	2	2	3	.75	.054	13	3	.02	38	.01	2	.28	.02	.15	1	33
6623	12	163	47	10	1.5	3	10	48	3.53	9	5	ND	5	26	1	2	3	6	.53	.089	11	1	.03	16	.01	3	.40	.02	.20	1	40
6624	13	111	205	6	2.9	5	10	61	4.31	4	5	ND	5	30	1	2	3	4	.86	.077	13	1	.02	12	.01	3	.35	.03	.17	1	630
6625	9	230	41	453	.3	3	8	560	3.62	4	5	ND	6	34	1	2	2	18	.99	.076	13	1	.90	17	.01	3	1.11	.04	.19	1	46
6626	8	95	54	148	.3	3	8	644	3.65	2	5	ND	7	32	1	2	2	20	1.22	.080	12	1	.71	38	.01	2	1.07	.04	.18	1	31
6627	11	57	93	20	.7	3	9	85	4.34	10	5	ND	6	29	1	2	2	7	.38	.053	11	1	.16	11	.01	3	.47	.03	.18	1	44
6628	14	94	25	72	1.2	3	8	305	3.61	7	5	ND	7	39	1	2	2	7	1.44	.061	18	1	.49	14	.01	3	.74	.04	.17	1	47
6629	10	90	38	344	.4	3	7	1219	3.48	2	7	ND	6	50	2	2	2	77	2.05	.068	11	1	1.19	59	.08	3	1.55	.07	.13	1	26
6630	9	71	52	218	.6	3	8	842	3.53	5	6	ND	5	46	1	2	2	31	1.36	.076	7	2	.72	22	.01	2	1.13	.04	.19	1	20
6631	6	72	20	202	.3	3	6	1135	3.78	4	5	ND	5	38	1	2	2	26	1.11	.079	8	1	1.30	31	.01	3	1.58	.05	.19	1	15
6632	5	78	26	213	.4	2	5	1276	4.17	4	5	ND	6	52	1	3	2	29	1.18	.082	6	3	1.22	36	.01	3	1.66	.06	.22	1	13
6633	36	64	33	146	.2	3	11	403	4.05	3	5	ND	6	32	1	2	2	20	.62	.094	8	1	.67	21	.01	6	.96	.04	.20	1	36
6634	18	33	275	22	.4	3	11	73	5.75	10	6	ND	5	44	1	5	4	6	.53	.083	4	1	.06	8	.01	3	.41	.03	.18	1	20
6635	4	59	54	222	.2	3	9	672	3.91	4	5	ND	5	37	1	2	2	31	1.05	.083	8	4	.87	23	.01	3	1.25	.05	.19	1	21
6636	9	146	41	528	.4	3	11	1011	3.58	8	5	ND	5	31	1	2	2	45	1.06	.077	7	2	1.07	33	.03	4	1.48	.05	.22	1	43
6637	18	82	23	332	.2	3	9	469	2.48	3	5	ND	5	31	1	2	2	20	.39	.078	8	1	.62	28	.01	3	1.10	.03	.20	1	31
6638	38	179	52	655	1.0	3	11	681	3.27	6	5	ND	5	49	22	2	3	31	.69	.084	9	2	.58	24	.02	3	1.67	.04	.22	1	45
6639	11	362	71	377	.1	4	10	147	4.57	15	5	ND	5	84	4	2	2	16	.19	.062	10	2	.28	16	.01	5	.69	.03	.16	1	46
6640	7	711	21	148	.2	4	8	357	3.04	6	5	ND	6	53	4	2	2	26	.23	.071	8	2	1.62	39	.01	5	1.44	.03	.15	1	28
6641	12	695	20	366	.3	3	9	603	3.11	5	5	ND	5	48	8	2	2	28	.37	.096	11	1	.63	28	.01	4	1.10	.03	.15	1	33
6642	9	682	19	313	.4	4	7	670	2.54	2	5	ND	5	40	13	2	2	29	.36	.113	10	1	.69	45	.01	3	1.04	.03	.20	1	54
STD C/AU-R	21	57	37	134	7.0	68	28	1089	3.96	35	17	7	35	48	18	15	18	67	.48	.102	37	58	.88	178	.08	34	1.73	.09	.12	13	490

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
6643	25	380	13	171	.5	5	7	342	2.08	2	5	ND	6	24	3	2	2	18	.27	.090	8	1	.46	49	.01	3	.72	.03	.18	1	28
6644	7	289	18	295	.3	3	7	1058	4.09	2	5	ND	6	14	3	3	2	98	.36	.092	10	3	1.39	52	.13	5	1.26	.07	.08	1	42
6645	17	260	22	420	.6	4	38	738	4.16	2	5	ND	5	26	21	2	2	72	.48	.090	9	1	1.07	68	.09	3	1.32	.05	.11	32	60
6646	6	306	30	493	.5	5	8	1129	4.16	2	5	ND	5	70	4	2	2	87	.57	.085	5	4	1.33	141	.13	2	1.44	.07	.09	9	22
6647	7	384	28	374	.4	3	9	689	4.22	8	5	ND	6	73	3	2	2	81	.76	.092	9	2	1.17	30	.15	3	1.60	.08	.07	1	43
6648	7	551	39	585	.8	3	10	1367	4.94	2	5	ND	5	93	5	2	2	98	.85	.082	8	3	1.18	22	.15	4	1.79	.09	.06	1	50
6649	4	265	92	696	.6	3	9	1587	4.06	2	5	ND	5	85	3	2	2	86	.89	.092	7	2	1.24	61	.15	2	1.80	.08	.06	1	36
6650	9	231	72	655	.6	3	12	992	3.47	2	5	ND	5	45	3	2	2	32	.56	.087	5	2	.69	24	.03	3	1.18	.05	.16	1	41
6651	9	404	36	862	.7	3	9	1619	4.44	4	5	ND	5	98	5	2	2	80	.64	.088	7	3	1.24	25	.13	4	1.59	.07	.06	1	31
6652	14	244	33	263	.5	3	10	1846	5.05	4	5	ND	5	74	1	2	2	73	.82	.099	4	1	1.30	44	.11	3	2.02	.07	.12	1	29
6653	7	245	63	1132	.9	3	8	2557	3.95	7	5	ND	5	94	7	2	2	103	1.98	.084	7	4	1.35	51	.13	2	1.66	.08	.07	1	22
6654	11	260	10	193	.5	3	10	532	3.25	12	5	ND	5	55	2	2	4	20	.91	.108	5	1	.34	20	.01	4	.61	.04	.19	1	39
6655	21	1042	20	1043	1.4	2	8	1419	3.19	5	5	ND	4	57	7	2	7	43	1.58	.085	6	2	.87	24	.02	2	1.32	.06	.14	1	15
6656	408	8117	121	1431	20.0	2	18	302	5.11	9	8	ND	3	30	13	2	122	7	2.30	.044	2	1	.15	16	.01	2	.48	.05	.12	1	51
6657	30	4330	40	1137	3.8	3	16	1219	4.85	6	6	ND	4	46	8	2	24	33	1.71	.067	4	3	.88	17	.02	2	1.60	.06	.15	1	34
6658	18	661	36	625	1.2	2	11	2079	4.38	5	5	ND	5	51	3	2	2	70	1.61	.087	3	3	1.55	77	.05	2	2.34	.07	.16	1	45
6659	57	5480	53	323	4.1	3	16	1075	6.21	5	5	ND	3	14	2	2	10	26	.64	.057	4	1	.78	21	.02	2	1.10	.04	.15	1	18
6660	20	376	23	1397	.7	2	8	1517	3.23	2	5	ND	6	25	9	2	3	52	1.91	.068	9	3	1.10	80	.03	2	1.38	.05	.13	1	26
6661	11	618	15	219	.3	3	10	582	3.85	6	5	ND	6	16	4	7	7	40	.30	.082	7	1	.97	33	.01	3	1.31	.03	.16	1	32
6662	35	892	17	468	.5	3	9	1128	4.84	9	6	ND	5	50	5	2	2	89	.34	.095	6	2	1.53	65	.08	2	1.55	.06	.11	1	50
6663	14	726	14	777	.3	3	13	1728	4.58	3	5	ND	5	47	12	2	2	69	1.18	.085	7	3	1.69	327	.03	4	2.40	.06	.13	1	42
6664	16	659	43	1030	.7	3	14	2327	4.76	16	5	ND	5	123	4	2	2	97	.72	.169	10	2	1.69	60	.09	3	2.03	.07	.10	1	35
6665	8	277	32	1223	.7	3	14	1739	3.81	2	6	ND	6	86	3	2	2	81	2.71	.075	9	3	1.10	92	.07	2	2.14	.07	.11	1	18
6666	8	306	20	948	.6	3	11	1428	3.22	6	5	ND	7	82	5	3	2	69	1.09	.065	6	3	.82	170	.07	2	1.62	.07	.09	1	11
6667	7	193	37	2586	.9	2	11	1080	2.86	14	5	ND	7	44	18	2	4	34	1.80	.049	4	2	.89	32	.03	2	1.48	.06	.12	1	22
6668	7	205	30	501	.5	2	13	1070	3.07	14	5	ND	7	58	1	2	2	56	2.40	.056	6	1	.81	66	.06	5	1.65	.07	.11	1	24
6669	17	313	32	503	.9	2	9	1607	3.80	10	7	ND	7	29	3	2	6	53	1.88	.070	7	2	1.04	39	.04	2	1.51	.05	.18	1	22
6670	11	240	61	533	.7	2	9	1729	3.77	11	5	ND	5	37	3	2	2	80	1.85	.084	7	3	1.54	47	.10	2	1.85	.07	.09	1	39
6671	14	211	102	1708	1.0	2	8	2053	4.05	4	6	ND	6	43	10	2	2	92	2.61	.088	8	4	1.68	76	.09	2	1.97	.07	.09	1	24
6672	9	512	98	1327	1.4	1	7	2484	3.56	4	8	ND	5	48	7	2	3	73	5.62	.083	10	2	1.53	123	.07	3	2.04	.07	.12	1	25
6673	15	297	32	4729	.7	2	8	2681	3.91	5	5	ND	5	40	30	3	2	81	2.00	.086	7	1	1.64	105	.09	2	2.08	.06	.12	2	14
6674	20	280	39	2624	.7	2	16	3025	5.06	3	5	ND	5	50	15	2	2	95	1.67	.087	7	5	1.59	77	.11	2	2.32	.07	.13	1	16
6675	14	137	22	569	.6	3	9	1336	4.51	2	6	ND	6	111	2	5	2	126	.91	.098	10	4	1.58	38	.23	5	1.64	.09	.07	1	27
STD C/AU-R	22	59	39	138	7.1	70	29	1131	3.97	43	17	7	36	49	18	15	20	69	.48	.108	39	60	.88	184	.09	33	1.72	.09	.14	13	520

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: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 18 1986 DATE REPORT MAILED: Sept 24/86 ASSAYER. D Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

LACANA MINING PROJECT - TOOD FILE# 86-2738

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
6732	77	780	33	174	1.0	3	9	702	3.92	5	5	ND	6	33	1	4	10	34	.03	.086	10	4	.67	20	.01	2	1.21	.02	.18	1	28
6733	58	3703	129	275	2.5	3	10	807	3.61	2	5	ND	7	47	2	2	6	32	.03	.080	13	1	.73	23	.01	3	1.26	.02	.18	1	45
6734	10	1216	23	260	.5	3	8	783	3.02	3	5	ND	6	30	2	2	2	43	.07	.078	12	3	1.00	59	.01	3	1.46	.03	.18	1	40
6735	9	144	41	968	.4	3	11	1268	3.18	3	5	ND	7	20	7	3	2	67	1.16	.064	12	2	.87	100	.10	4	1.13	.06	.15	1	16
6736	40	309	23	447	.5	3	11	1174	3.58	5	5	ND	5	11	1	2	2	35	.28	.081	13	2	.96	38	.01	4	1.23	.03	.20	1	27
6737	76	392	17	229	.7	2	8	373	2.24	3	5	ND	4	10	4	2	7	17	.20	.065	11	4	.38	32	.01	2	.59	.02	.16	1	28
6738	26	276	14	196	.4	3	8	603	3.33	2	5	ND	6	41	4	2	2	70	.32	.077	9	2	1.28	50	.05	2	1.47	.05	.17	1	58
6739	14	97	95	335	.5	2	5	1184	2.75	14	5	ND	3	82	2	2	2	49	3.55	.065	8	2	.74	34	.07	3	1.90	.12	.13	1	45
6740	8	42	14	152	.3	3	8	1029	3.66	3	5	ND	4	35	1	2	3	22	1.08	.072	7	2	.73	41	.08	2	1.26	.05	.24	1	30
6741	6	410	64	4259	2.1	3	8	1023	5.44	19	5	ND	4	36	25	2	10	29	1.11	.073	9	1	.86	22	.02	4	1.09	.06	.16	1	46
6742	6	164	36	420	.7	2	8	1514	3.40	5	5	ND	5	68	2	5	2	80	2.93	.081	15	1	1.46	34	.08	3	1.84	.09	.13	1	47
6743	11	284	29	297	.9	3	13	798	4.94	33	5	ND	4	39	2	2	2	30	2.65	.074	11	3	.55	26	.01	3	.89	.07	.16	1	104
6744	7	248	34	477	.7	3	7	1446	3.63	10	5	ND	5	64	2	2	2	59	2.92	.085	13	4	1.16	69	.01	2	1.63	.09	.16	1	54
6745	28	93	13	118	.4	3	7	231	3.10	5	5	ND	3	25	1	2	5	7	1.16	.073	8	3	.10	22	.01	4	.37	.04	.17	1	27
6746	20	253	16	1105	.9	3	9	1103	3.58	6	5	ND	6	39	7	2	2	37	1.38	.082	18	2	.76	30	.01	3	1.17	.05	.20	1	26
6747	153	567	50	106	6.1	2	6	447	1.48	7	5	ND	2	67	1	2	9	11	1.62	.028	8	4	.24	35	.01	2	.39	.04	.10	1	450
6748	197	722	35	88	4.7	2	10	523	2.40	3	5	ND	3	34	1	4	8	12	1.25	.041	11	2	.34	27	.01	2	.56	.04	.11	1	29
6749	85	11015	45	589	21.0	3	14	168	3.75	10	5	ND	3	23	7	2	15	6	1.01	.041	7	2	.07	23	.01	2	.28	.03	.12	1	67
6750	55	901	26	138	2.4	3	15	879	4.07	2	5	ND	5	34	1	2	5	29	1.33	.072	19	1	.80	32	.01	2	1.28	.05	.24	1	63
6751	27	720	17	38	2.7	2	12	286	6.00	2	5	ND	4	35	1	3	6	10	1.51	.067	19	1	.14	17	.01	5	.53	.05	.19	1	35
6752	18	286	13	193	.6	3	9	1041	3.71	3	5	ND	5	32	1	2	2	38	2.16	.073	14	3	1.32	53	.01	2	1.53	.07	.19	1	220
6753	15	291	32	504	.9	4	8	1240	3.85	8	5	ND	5	54	3	5	2	86	1.77	.082	11	5	1.36	73	.03	2	1.96	.09	.19	1	133
6754	25	730	15	757	.6	3	9	912	3.27	9	5	ND	5	52	5	2	2	37	1.81	.070	9	4	.74	25	.01	2	1.52	.09	.17	1	135
6755	44	5172	37	216	11.4	2	7	459	2.62	5	5	ND	1	30	2	3	7	10	1.47	.031	4	1	.23	24	.01	2	.51	.04	.10	1	60
6756	20	670	40	471	3.0	2	8	1069	3.57	3	6	ND	5	77	3	2	3	37	1.11	.084	16	2	.73	35	.03	2	1.74	.09	.28	1	68
6757	16	226	25	131	.4	3	7	575	3.59	4	5	ND	4	57	1	2	2	19	2.18	.069	10	1	.35	24	.01	2	1.08	.08	.24	1	30
6758	6	213	19	94	.3	2	6	752	2.75	2	5	ND	4	28	1	2	2	23	1.95	.073	5	1	.69	39	.05	2	.96	.06	.20	1	29
6759	60	624	161	7864	1.5	3	8	2592	3.65	2	5	ND	5	65	45	2	2	82	1.69	.077	10	2	1.81	55	.15	2	2.43	.12	.09	1	21
6760	14	190	13	200	.2	1	7	627	2.07	4	5	ND	3	41	1	2	2	15	2.69	.062	10	1	.32	88	.01	2	.90	.07	.26	1	51
6761	19	180	28	193	1.0	2	10	633	5.16	6	5	ND	6	34	1	2	2	32	1.63	.081	8	1	.52	21	.04	2	.90	.06	.22	1	56
6762	20	96	70	775	.5	2	6	1694	3.01	2	5	ND	5	47	4	2	2	89	1.45	.073	9	3	1.49	206	.15	2	1.75	.10	.09	1	27
6763	138	102	35	567	.4	3	5	1297	2.61	2	5	ND	5	45	3	3	2	73	1.84	.071	8	2	1.25	134	.13	2	1.52	.10	.10	1	26
STD C/AU-R	21	59	38	136	7.2	69	28	1035	3.99	42	19	8	36	50	17	16	20	69	.48	.103	40	58	.88	186	.09	35	1.73	.09	.13	14	515

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

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.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.

DATE RECEIVED: SEPT 18 1986 DATE REPORT MAILED: Sept 24/86 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

LACANA MINING PROJECT - TOOD FILE # 86-2737 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
6764	27	69	10	186	.1	3	4	71	1.22	2	5	ND	6	42	4	2	2	13	.32	.101	14	2	.09	80	.01	2	.82	.02	.16	1	8
6765	25	159	8	114	.3	7	3	29	1.07	2	5	ND	4	41	13	2	2	8	.21	.074	4	2	.02	89	.01	2	.44	.02	.14	1	5
6766	34	331	16	67	.6	2	2	26	.80	2	5	ND	4	47	8	2	2	5	.26	.095	4	3	.01	88	.01	2	.40	.01	.14	1	6
6767	33	74	10	78	.3	4	2	56	.70	2	5	ND	5	24	9	2	2	14	.28	.098	9	5	.04	196	.01	2	.70	.02	.26	13	10
6768	61	196	3	69	.3	4	1	54	.35	2	5	ND	5	64	2	2	2	8	.28	.105	5	3	.03	361	.01	2	.53	.02	.22	19	5
6769	20	17	3	56	.1	1	3	91	.68	5	5	ND	5	19	1	2	2	5	.33	.076	11	1	.06	133	.01	2	.34	.01	.16	1	9
6770	19	38	12	19	.3	3	17	21	12.43	7	20	ND	5	10	1	2	2	5	.35	.068	7	1	.02	7	.01	2	.29	.03	.13	1	31
6771	33	40	7	28	.2	3	12	23	3.03	4	5	ND	7	14	1	2	2	6	.33	.104	15	1	.02	17	.01	5	.34	.02	.18	1	70
6772	35	57	5	22	.3	2	3	23	1.15	2	5	ND	5	21	1	2	2	5	.56	.103	11	1	.01	75	.01	2	.55	.02	.14	1	8
6773	17	716	33	668	1.4	4	10	1222	4.17	9	7	ND	5	31	3	4	2	78	1.27	.078	9	4	1.17	46	.11	4	1.63	.07	.16	1	37
6774	76	46	16	112	.4	3	10	76	2.55	2	5	ND	4	35	1	2	2	6	.62	.069	7	2	.05	17	.01	4	.41	.03	.20	1	32
6775	33	69	15	18	.3	3	9	166	3.67	15	5	ND	4	50	1	2	2	10	1.59	.082	9	2	.07	12	.01	5	.39	.04	.19	1	35
6776	41	165	7	44	.3	3	6	357	1.70	2	5	ND	5	23	1	2	2	12	1.25	.078	7	2	.41	50	.01	2	.66	.04	.17	1	48
6777	28	279	24	77	.9	4	16	314	7.03	12	12	ND	5	25	1	2	2	14	1.18	.066	12	1	.37	15	.01	10	.63	.05	.18	1	230
6778	43	1991	22	1482	2.3	3	8	2717	4.29	5	5	ND	4	17	9	2	3	34	1.98	.061	7	1	1.04	49	.05	4	1.42	.06	.15	1	29
6779	36	336	24	230	.9	3	10	1230	5.92	8	10	ND	5	33	1	2	4	21	.96	.088	7	1	.74	12	.01	3	1.03	.05	.15	1	28
6780	19	967	453	7144	4.2	3	7	3141	4.74	6	6	ND	4	53	44	2	8	47	1.85	.075	6	1	1.17	17	.08	2	1.64	.08	.11	1	19
6781	13	1778	39	2073	3.1	2	7	3416	4.40	5	6	ND	4	44	12	2	2	42	1.40	.076	8	2	1.29	29	.08	4	1.87	.07	.15	1	4
6786	18	749	34	3252	1.3	3	10	2550	4.32	4	6	ND	5	86	21	2	2	58	2.45	.077	9	2	1.21	22	.08	3	1.84	.09	.11	1	15
6787	15	495	19	522	.8	3	8	2558	4.30	6	7	ND	4	125	2	2	2	62	1.58	.078	6	2	1.27	39	.10	4	1.59	.08	.12	1	12
6789	25	1176	32	850	1.9	3	10	3249	5.33	6	6	ND	5	47	4	2	2	49	1.35	.083	13	1	1.78	20	.03	4	2.31	.08	.15	1	19
6790	24	520	14	1388	.7	3	11	1675	4.94	4	7	ND	5	21	8	4	6	27	.74	.077	13	2	1.16	21	.01	4	1.37	.05	.17	1	15
6791	28	111	8	126	.2	4	10	610	4.31	2	5	ND	5	27	1	3	4	17	.53	.086	11	1	.65	17	.01	5	.84	.04	.17	1	12
6792	16	371	14	453	1.0	3	9	1735	4.12	3	6	ND	5	40	2	2	2	33	.96	.084	12	3	1.06	27	.01	5	1.36	.06	.16	1	14
6793	13	16	11	85	.2	2	6	769	2.54	3	5	ND	5	38	1	5	3	14	.81	.087	14	1	.67	33	.01	2	.86	.05	.16	1	4
6794	21	668	24	302	.9	3	10	2393	4.74	6	8	ND	6	37	1	2	2	37	1.19	.092	14	2	1.78	34	.01	3	1.94	.07	.15	1	15
6796	26	40	11	63	.1	3	9	365	2.99	2	5	ND	5	31	1	2	2	13	.47	.091	13	1	.49	28	.01	2	.68	.04	.16	1	26
6797	13	217	10	184	.5	3	10	1063	4.00	3	7	ND	6	51	1	2	2	26	1.25	.070	14	4	1.25	19	.01	4	1.22	.06	.15	1	29
6798	23	590	10	317	1.0	2	8	1553	4.10	3	14	ND	4	192	1	2	2	36	2.88	.074	11	1	1.43	25	.01	5	1.40	.07	.11	1	49
6799	28	827	20	1783	1.4	3	9	1743	4.73	2	14	ND	4	139	11	2	3	40	2.18	.068	10	1	1.53	21	.03	6	1.44	.07	.12	1	29
6800	21	719	16	1142	1.3	3	9	1441	4.33	3	12	ND	4	118	7	2	4	36	2.34	.075	9	1	1.48	23	.03	3	1.33	.06	.12	1	25
8157	7	97	20	239	.3	3	7	1456	3.04	6	8	ND	7	103	1	2	2	45	1.91	.052	11	2	1.14	25	.03	4	1.16	.07	.08	1	3
8158	16	113	12	223	.4	3	7	1054	3.48	3	6	ND	5	65	1	2	2	31	1.36	.063	12	1	.95	17	.01	4	1.12	.06	.12	1	8
8159	12	15	10	9	.1	4	10	43	4.46	7	7	ND	7	43	1	2	2	5	.60	.069	12	1	.05	11	.01	3	.32	.04	.15	1	6
8160	8	11	10	6	.1	3	8	26	3.79	3	6	ND	5	19	1	4	4	3	.29	.043	10	1	.03	16	.01	2	.23	.03	.14	1	5
8161	6	19	10	88	.4	3	8	555	3.67	6	7	ND	8	26	1	2	5	10	.53	.048	10	1	.90	19	.01	3	.97	.04	.17	1	10
STD C/AU-R	21	57	39	132	7.0	67	28	1031	3.98	41	18	7	35	48	17	15	20	67	.48	.099	37	55	.88	181	.09	35	1.73	.09	.12	13	490

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: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 27 1986 DATE REPORT MAILED: Oct 6/86 ASSAYER: D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER.

LACANA MINING PROJECT - TODD FILE # 86-2912 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
6782	89	14817	282	75012	25.2	5	43	1312	8.20	2	5	ND	2	13	592	2	32	12	2.47	.047	6	1	.47	12	.03	3	.72	.01	.15	1	64
6783	14	971	47	932	2.3	5	11	2723	4.08	3	5	ND	3	52	5	2	3	48	1.79	.096	11	2	1.31	33	.03	2	1.63	.03	.14	1	60
6784	16	544	39	780	1.2	7	11	2404	4.48	5	5	ND	3	70	3	2	5	45	2.07	.098	11	3	1.49	23	.01	4	1.68	.03	.14	1	68
6785	21	260	41	1942	1.2	5	19	1217	4.47	2	5	ND	3	28	15	2	5	19	.83	.088	9	1	.74	18	.01	2	1.01	.02	.19	1	64
6788	10	209	49	1484	1.0	5	15	2412	4.20	4	5	ND	4	42	8	2	6	38	1.17	.090	6	2	1.37	30	.04	4	1.59	.03	.16	1	40
6795	15	135	15	94	.4	4	14	794	3.66	5	5	ND	3	26	1	2	6	14	.97	.076	14	2	.67	29	.01	3	.83	.01	.13	1	37
8163	122	1374	37	1876	3.0	6	13	504	3.12	7	5	ND	3	21	14	2	13	7	1.11	.040	8	2	.31	27	.01	2	.55	.01	.14	1	42
8164	8	173	46	1550	.6	6	12	1550	2.60	2	5	ND	6	42	9	2	2	52	.96	.054	6	1	.79	46	.07	2	1.19	.07	.07	1	6
STD C/AU-R	22	56	37	136	7.1	73	29	1024	3.91	41	21	8	33	47	17	15	22	63	.48	.111	36	59	.88	176	.08	35	1.73	.06	.13	13	510

LACANA MINING PROJECT - TODD FILE # 86-2737 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
8162	3	33	7	394	.2	3	7	771	2.87	2	5	ND	8	29	2	2	5	12	1.12	.054	12	1	1.01	38	.01	2	1.06	.05	.18	1	6
8165	14	350	37	1155	1.2	2	7	1422	3.76	2	5	ND	8	122	7	2	4	38	3.25	.069	7	3	1.23	12	.01	2	1.29	.08	.12	1	38

APPENDIX V

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.

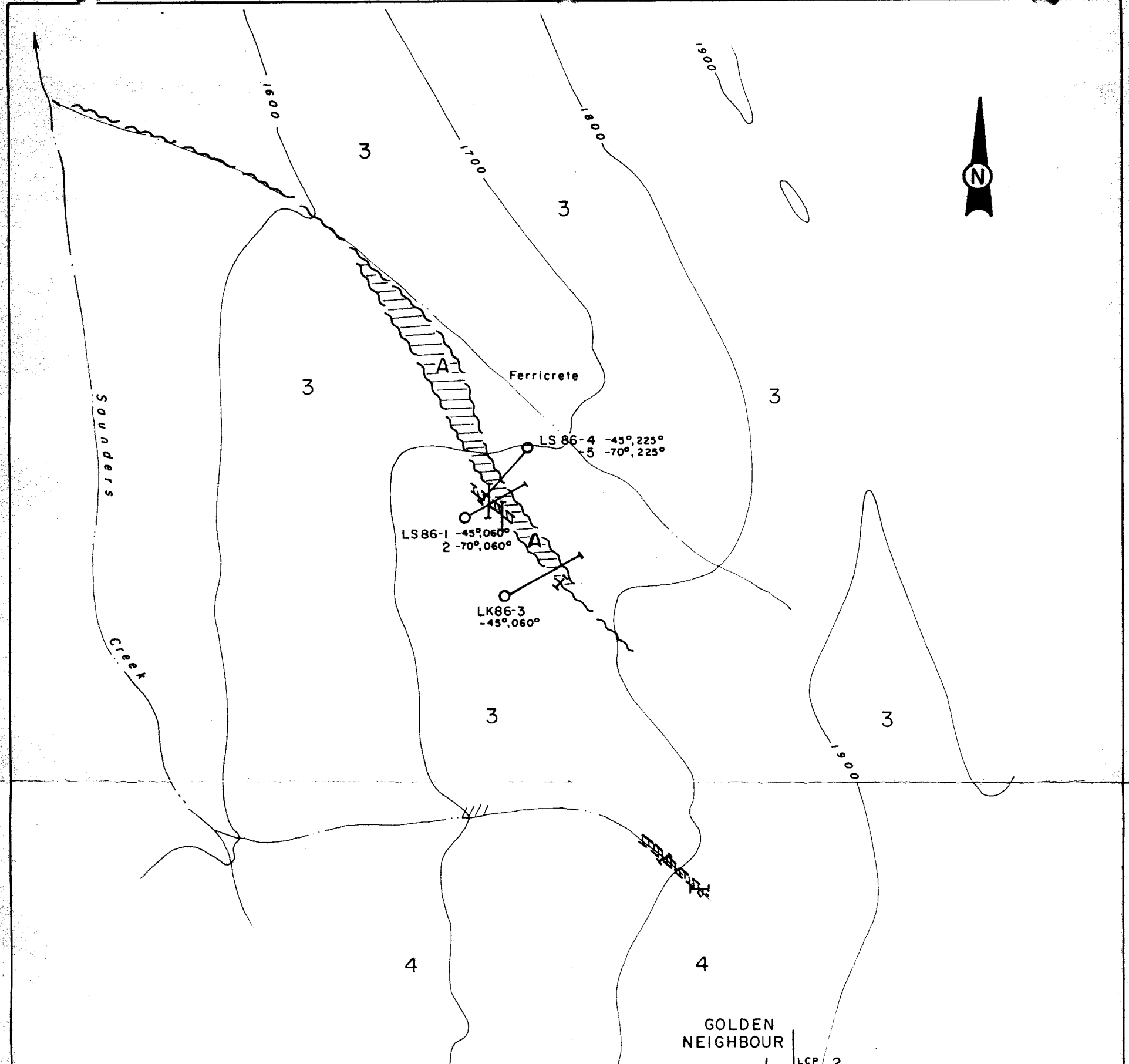
2. I am presently employed as a geologist with Lacana Mining Corporation of 312 - 409 Granville St., Vancouver, B.C.

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

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

DATED at Vancouver, B.C. this 6th day of January 1987.

R.J.J.



LEGEND

- 1986 Lacana diamond drill hole
- Fault
- Quartz float
- " vein
- Trench

- 4 Gossan
- 3 Quartz Feldspar Porphyry
- 2 Epidotized Quartz Feldspar Porphyry
- A Advanced Argillically Altered Fault Zone

Geology after Lacana 1980-81

CHONG

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,512

LACANA

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

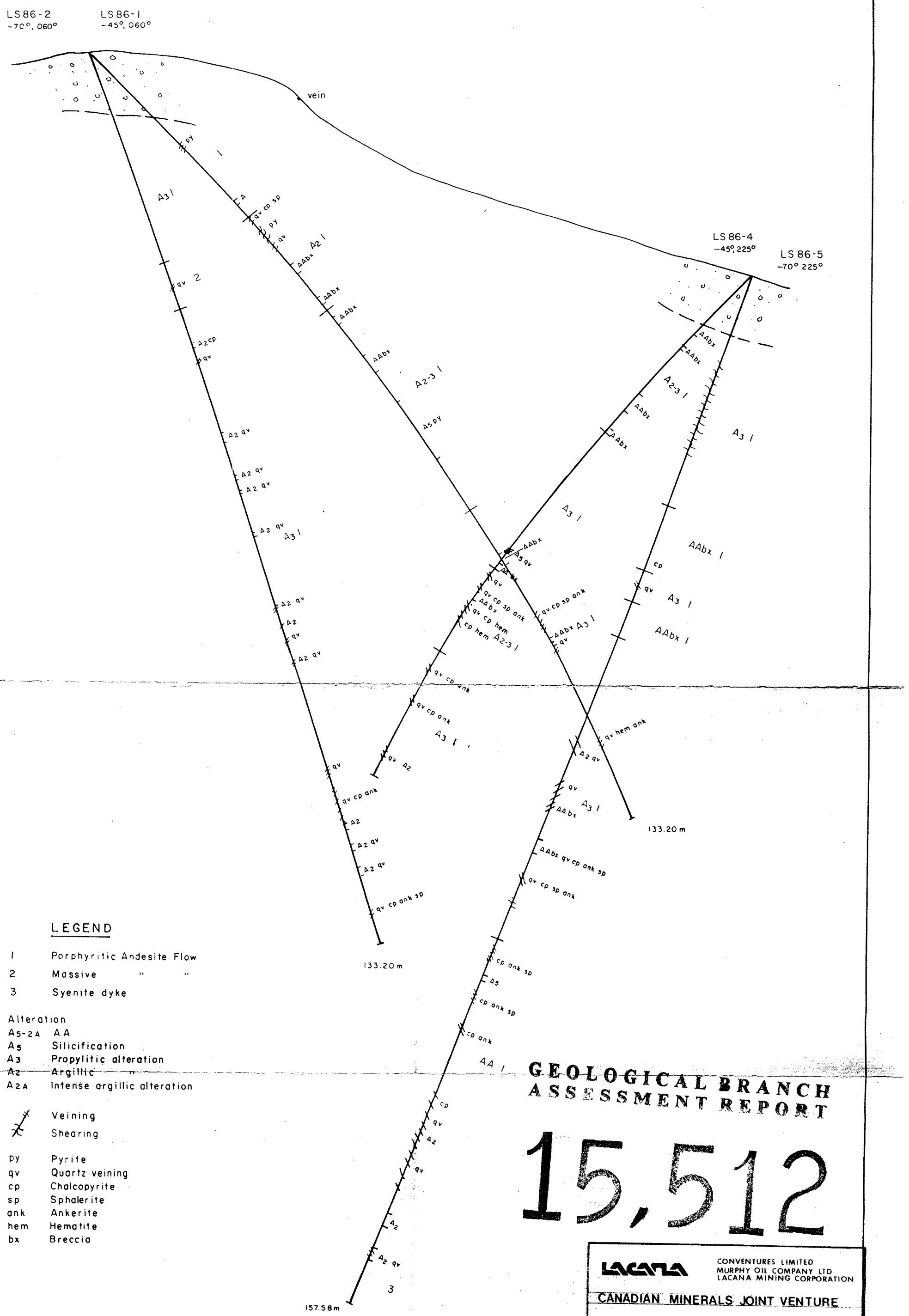
CANADIAN MINERALS JOINT VENTURE

GOLDEN NEIGHBOUR PROJECT

DRILL HOLE LOCATIONS

0 100 200 300 METRES

DRAWN BY	SCALE	DATE	NTS	FIG.
R. J.	1:5000	NOV. 1986	94E-6E	5



LEGEND

1	Porphyritic Andesite Flow
2	Massive " "
3	Syenite dyke

Alteration

A_{5-2A}	AA
A_5	Silicification
A_3	Propylitic alteration
A_2	Argillic "
A_{2A}	Intense argillic alteration

Veining

Shearing

py	Pyrite
qv	Quartz veining
cp	Chalcopyrite
sp	Sphalerite
ank	Ankerite
hem	Hematite
bx	Breccia

LACANA

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

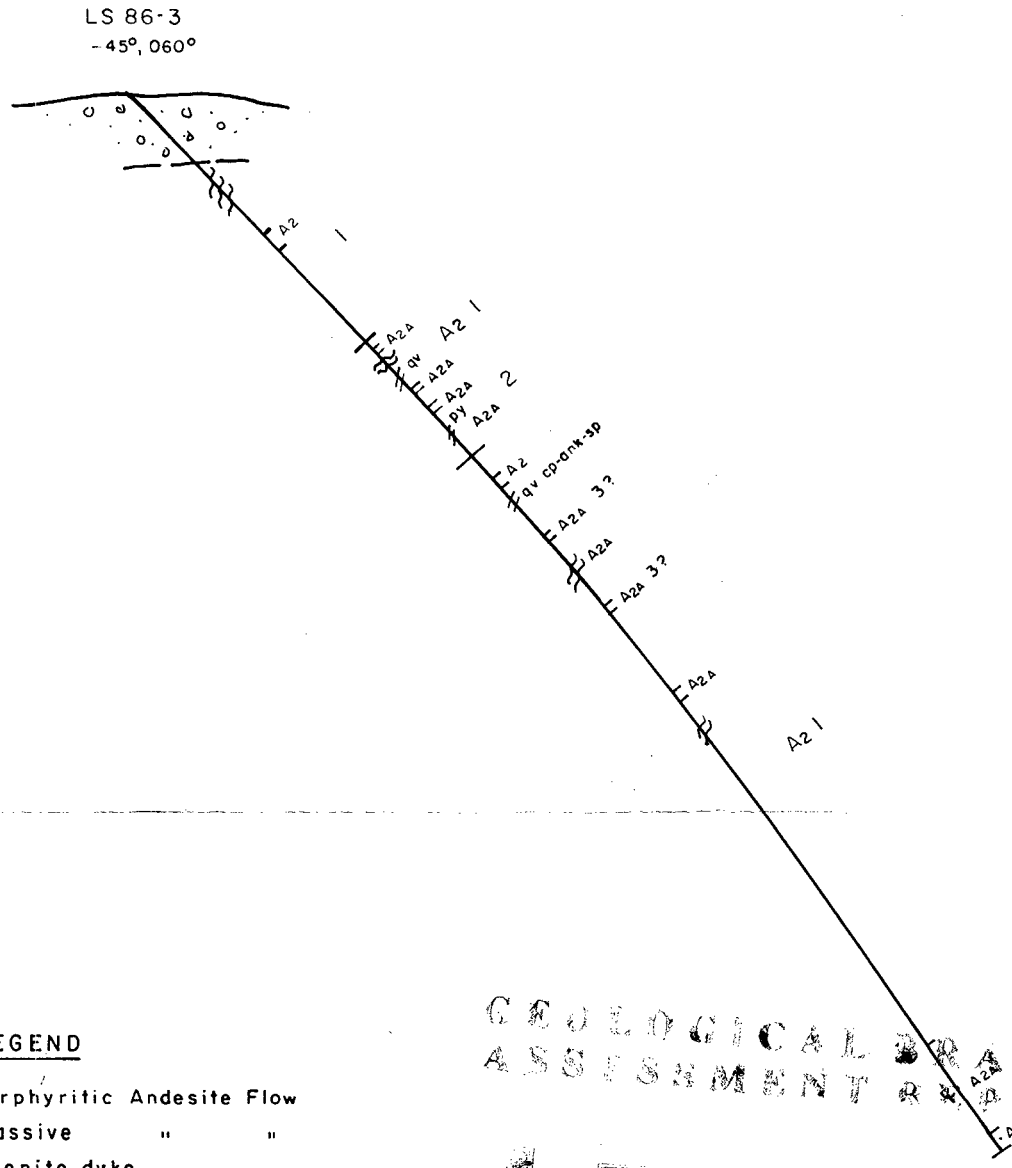
GOLDEN NEIGHBOUR PROJECT

CROSS SECTION LS86-1,2,4,5

0 10 20 30 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
R. J.	1:500	NOV. 1986	94E-6E	6

CHONG



LEGEND

1	Porphyritic Andesite Flow
2	Massive " "
3	Syenite dyke

A_5	Silicification
A_2	Argillic alteration
A_{2A}	Intense argillic alteration

	Veining
	Shearing
py	Pyrite
qv	Quartz veining
cp	Chalcopyrite
ank	Ankerite
sp	Sphalerite

LACANA

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

GOLDEN NEIGHBOUR PROJECT

CROSS SECTION LS 86 - 3

0 10 20 30 METRES

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
R.J.	1:500	NOV. 1986	94E-6E	7

CHONG