

86-783-15277

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,277

GEOCHEMICAL ASSESSMENT REPORT

on the

ROZAN MINERAL CLAIM

NELSON M.D.

82-F/6W

49° 24'

117° 20'

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

R. J. JOHNSTON
December 1986

FILMED

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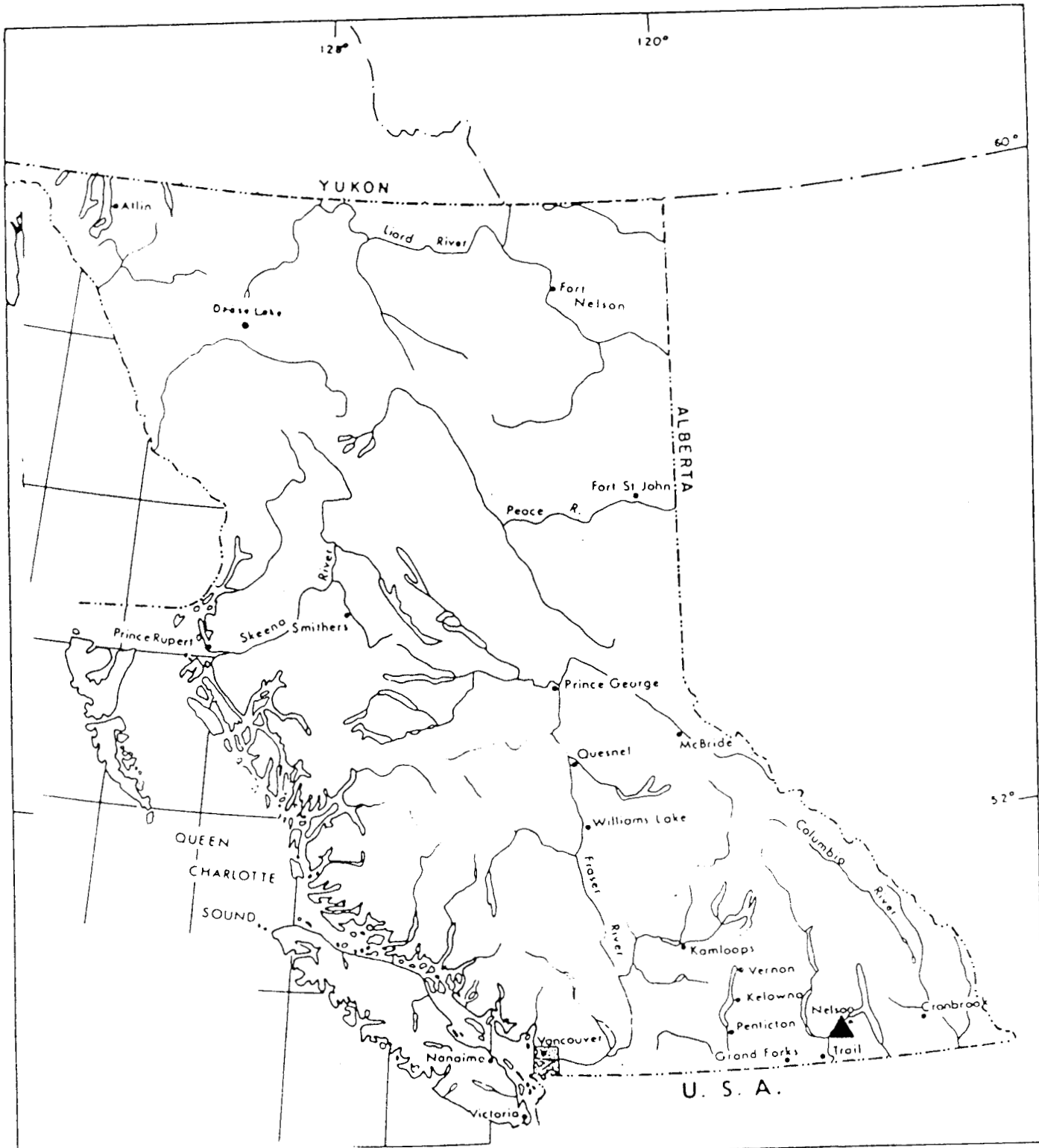
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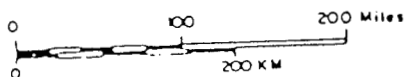
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SUMMARY

During late June 1986 Lacana Mining Corporation spent three days on a property examination of the Rozan property, located nine kilometres south of the City of Nelson in S.E. B.C. A total of 14 rock and 51 soil samples were collected, centered on a highly epidotized pendant of Elise Fm andesites within granodiorite of the Nelson Intrusives. Soil samples near the contacts contained anomalous Au, Cu, Zn, Mo, W.



SCALE



LACANA

CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

**ROZAN PROPERTY
LOCATION MAP**

PREPARED BY	SCALE	DATE	NO.	FIGURE
RJ		DEC, 1986		1

INTRODUCTION

Location and Access

The Rozan property is located on Red Mountain in S.E. B.C., nine kilometres south of the City of Nelson. It is situated in the Nelson Mining Division on N.T.S. Map 82-F/6W at Latitude $49^{\circ}15'N$, Longitude $117^{\circ}20'W$.

The property is situated on the height of land between Hall Creek to the south and Fortynine Creek to the north. Most of the area is moderately steep. The area pertaining to this report is around treeline, at about 1850 m.

Access is via a gravel road up Fortynine Creek which departs pavement at Blewett, five kilometres west of Nelson.

Claims

The property is made up of reverted Crown Grants and located claims totalling 27 units. This report pertains only to the Rozan claim, which is owned by Eric and Jack Denny of Nelson and Ymir respectively.

<u>Claim</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Record Date</u>
ROZAN	1231(10)	6	Oct 5

History

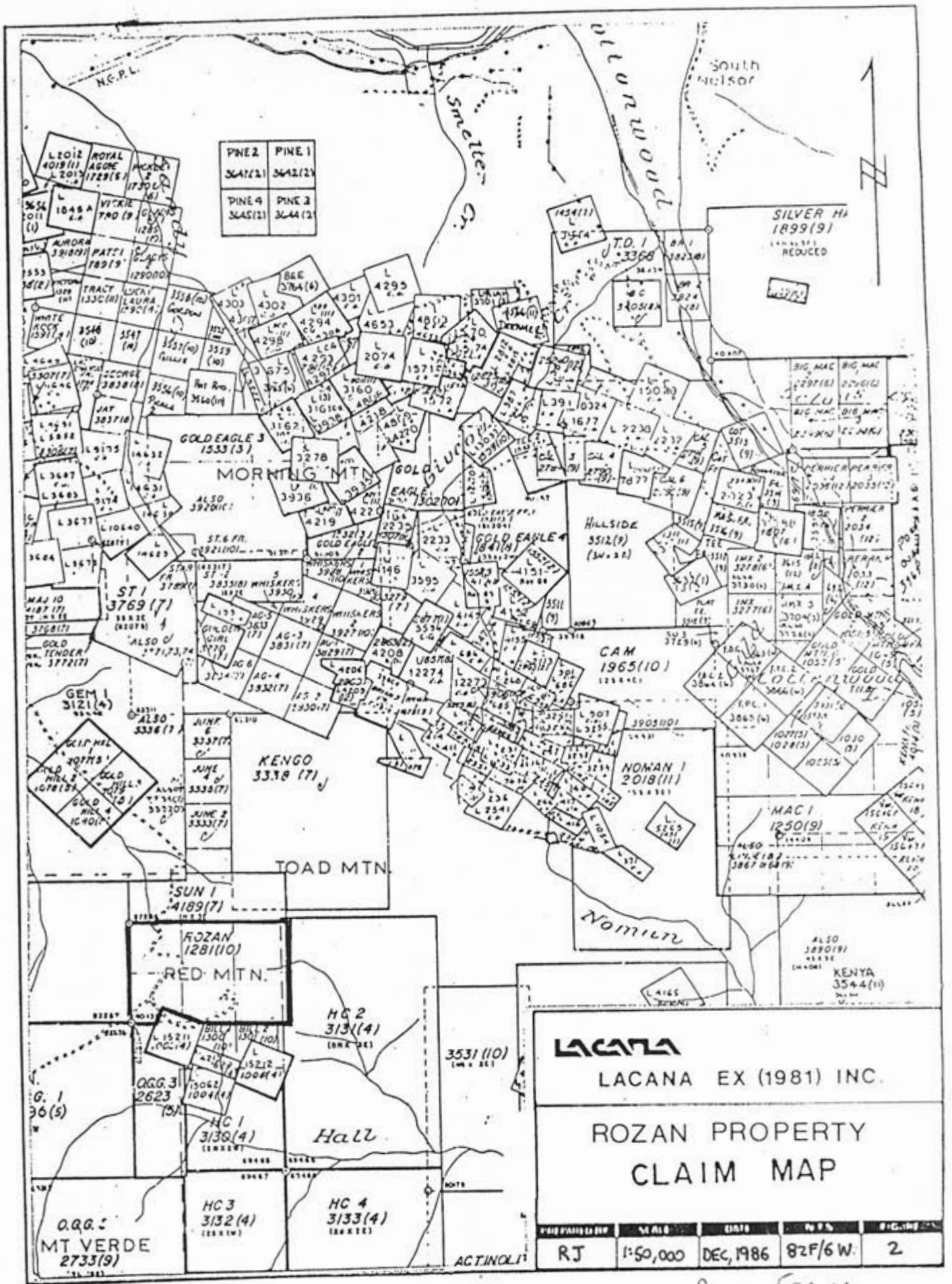
The property was first staked by William Rozan in 1928, who worked the property until his death in 1972. During this time, six underground workings and over 600 m of surface trenches were developed. Blanchflower (1983) and Santos (1983) contain detailed reports on the early development of the Rozan.

According to Little (1960), a total of 122 tons of ore were produced from these workings, which contained 135 ounces of gold and 145 ounces of silver, with minor lead and zinc.

At present, only the Main Adit is accessible, having been rehabilitated by the Denny's in the early 1980's after their acquisition of the property.

Regional Geology

The Red Mountain-Toad Mtn area south of Nelson is comprised of a series of Mesozoic sediments and volcanics intruded by various



PINE 2	PINE 1
3641(2)	3642(2)
PINE 4	PINE 3
3643(2)	3644(2)

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 ROZAN PROPERTY
 CLAIM MAP

PROJ. FILE NO.	SCALE	DATE	REV.	SHEET NO.
RJ	1:50,000	DEC, 1986	82F/6W.	2

0 500 M

phases of the Nelson Batholith, which has been well documented by Little (1982), and by Mulligan (1952).

Argillite and quartzite of the Lower Jurassic Ymir Group are overlain by argillites of the Archibald Fm., which in turn is overlain by Elise Fm andesitic tuffs and flows. Argillite and siltstone of the Hall Fm. conformably overlie the sequence. Collectively, the latter three formations make up the Rosslund Gp.

Stocks of the Jurassic-Cretaceous(?) Nelson Batholith lie to the north and west of the Rozan property and range in composition from diorite to granite.

In the Nelson area the supracrustals strike SE and dip moderately to the SW, sub-parallel to variably developed foliation.

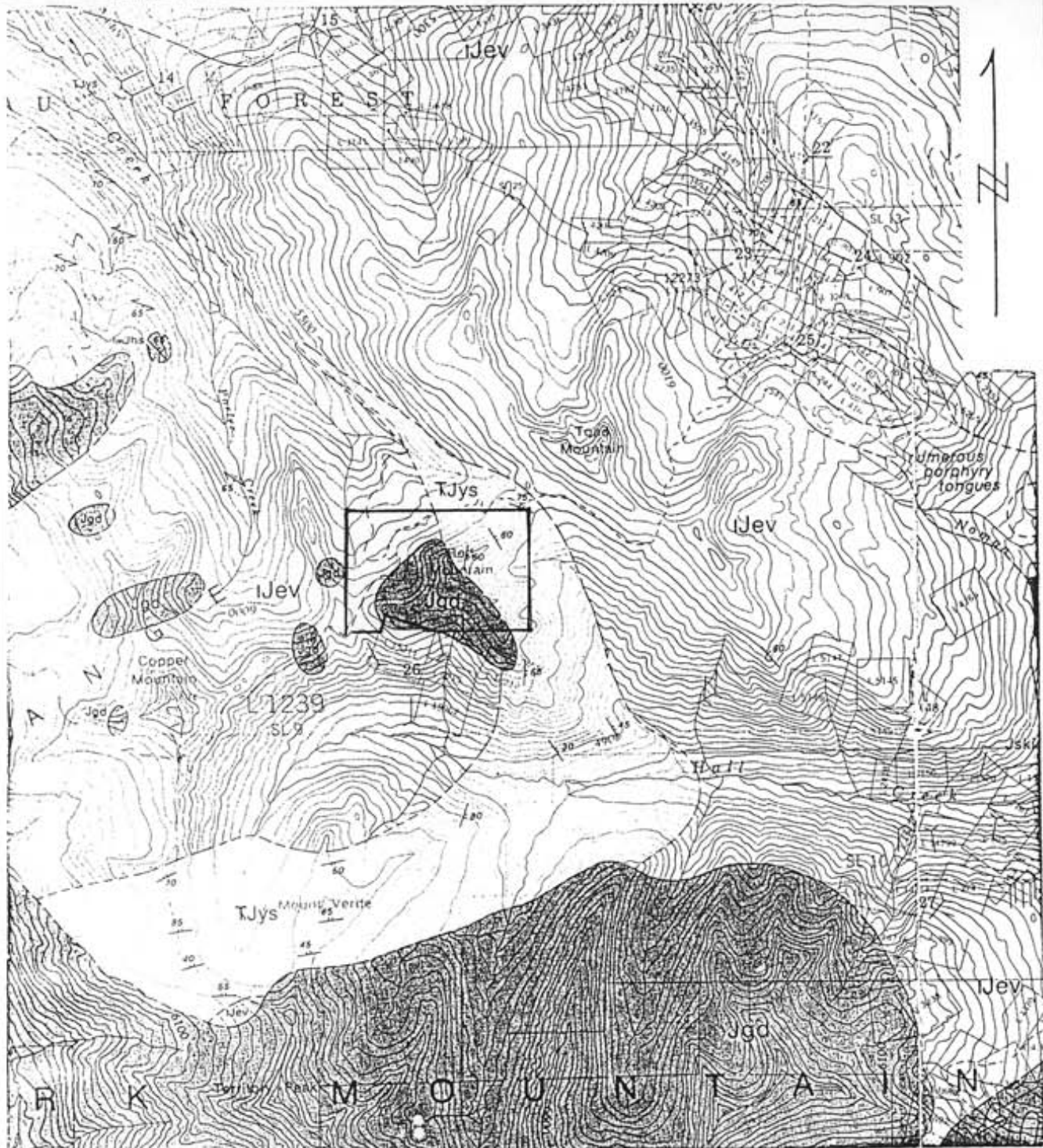
Property Geology

The Rozan property is underlain by rocks of the Ymir Group of Elise Fm. which are intruded by numerous bodies of Nelson diorite and granodiorite.

The Elise Fm is made up of chloritized augite porphyry flows with minor flow breccia and local tuff. Disseminated pyrite is common. The eastern part of the claim is underlain by black, carbonaceous, rusty argillites. Mulligan (1952) indicates these to belong to the Hall Fm., while Little (1982) assigns these to the Ymir.

The Nelson Intrusives occur as dykes and stocks which vary from diorite to granodiorite. Local contact breccias occur at contacts, one of which is well exposed at the face in the main drift. Quartz veins are common with the intrusives and it is from here that the gold and silver have been won.

On the west side of the Rozan claim is a 200 m wide pendant of Elise andesites which has been extensively and intensely epoditized. Minor garnet is present locally. The pendant is cut by numerous feldspar porphyry dykes and lamprophyres and contains local rusty sheared zones.



Jgd Nelson Intrusives
 IJev Elise Fm. - andesite
 TJys Ymir Fm. - argillite

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ROZAN PROPERTY
GEOLOGY

PROJECT	SCALE	DATE	BY	FIG. NO.
RJ	1:50,000	DEC, 1986	82/F6W	3

0 500 M

Mineralization

A number of northerly-striking quartz veins on the west slope of Red Mountain has been the site of the past production from the property. The veins range up to almost 1 m in width, and contain pods and disseminations of pyrite, galena and sphalerite.

Visible gold occurs locally in the Main vein with grab samples reportedly assaying over 10 opt Au, while chip sampling returned assays in the $<.01$ to 0.2 opt Au range. Gold values are reportedly proportional to pyrite content.

Other veins have been exposed in the immediate area, which are often accompanied by a limonitic gossanous "cap" which are reported to contain minor visible gold.

1986 PROGRAMME

On June 20, 26 and 30, 1986 a total of 14 rock and 51 soil samples were taken on the Rozan Mineral Claim and Golden Eagle #3 Reverted Crown Grant. "B" horizon soils were taken at 25m intervals along the road and across the ridge top traversing the pendant of epidotized andesites. Twelve rock samples were taken in or near the pendant.

Minor anomalous gold values up to 210 ppb were obtained in the 1986 soil sampling, most of which were concentrated near the contacts of the epidotized volcanic pendant. However gold values in rock samples taken in these locations were disappointing. Molybdenum and tungsten were anomalous in both rock and soil along the contact.

REFERENCES:

B.C. Minister of Mines Annual Reports

- 1958 - p. A45
- 1957 - p. 43 by J.W. Peck
- 1954 - p. 124 by J.W. Peck
- 1953 - p. 114 by J.W. Peck
- 1952 - p. 43 and 144 by J.W. Peck
- 1951 - p. 41 and 136 by J.W. Peck
- 1949 - p. 164
- 1948 - p. 131 by J. W. Peck
- 1947 - p. 160 by J.A. Mitchell
- 1946 - p. 141 by J.A. Mitchell
- 1945 - p. 99
- 1943 - p. 80
- 1938 - p. E37
- 1937 - p. E38 by H. Sargent

Blanchflower, J.D. 1983 - Exploration Proposal for the Rozan-Golden Eagle Property.

- Little, H.W. 1960 - Nelson Map Area West Half, British Columbia, G.S.C. Memoir 308.
 - 1982 - Bonnington Map Area British Columbia G.S.C. Map 1571A
 - 1985 - Preliminary Geologic Map of Nelson (82-F W Half) Map Area, British Columbia G.S.C. O.F. 1195.
- Mulligan, R. 1952 - Bonnington Map Area B.C., G.S.C. Paper 52-13.
- Santos, P.J. 1983 - Report on the Property of Patrick Resources Corporation, Rozan Gold Project.

APPENDIX I

BREAKDOWN OF COSTS

51 soil samples; ICP + Au @ \$10.75	548.25
14 Rock samples; ICP + Au @ 13.00	182.00
R.J. Johnston - Geologist 3 days @ \$150/day	450.00
D. Lewis - Technician 2 days @ \$100/day	200.00
	<hr/>
TOTAL COST	<u>\$1,380.25</u>

METHODS OF GEOCHEMICAL ANALYSIS

The samples were boxed in the field and shipped via bus to Acme Analytical Laboratories Ltd. of Vancouver, B.C. The rocks were pulverized to -100 mesh and the soils sieved to -80 mesh. From this, a 0.500 gram sample is digested with 3 ml of 3-1-2 HCl-HNO₃-H₂O at 95°C for one hour and is diluted to 10 ml with demineralized water. Multi-element analysis is done by Inductively Coupled Argon Plasma.

Elements obtained in the ICP analyses are: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Au, Sb, Bi, V, Ca, P, 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
SAMPLE ANALYSES

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, SM, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOILS -80 MESH AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. *Analysis by ICP/AAS*

DATE RECEIVED: JULY 2 1986 DATE REPORT MAILED: *July 9/86* ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER.

LACANA MINING PROJECT - 6101 FILE # 86-1265

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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 %	H PPM	Al %	Na %	K %	M PPM	Au# PPM
LRD-001	1	29	9	53	.1	13	10	410	3.16	2	5	ND	4	24	1	2	4	48	.15	.08	13	15	.68	77	.12	2	2.34	.01	.08	1	255
LRD-002	2	24	12	73	.1	16	9	768	3.21	3	5	ND	3	22	1	2	4	49	.15	.13	14	18	.65	91	.14	6	2.50	.01	.10	3	70
LRD-003	20	313	19	103	.1	43	35	891	8.05	4	5	ND	4	53	1	2	2	88	.37	.21	27	41	1.11	302	.22	3	3.06	.01	.17	54	80
LRD-004	6	61	19	85	.2	21	15	699	4.47	8	5	ND	4	21	1	2	2	66	.13	.18	18	25	.80	111	.16	6	2.97	.01	.10	4	135
LRD-005	3	56	20	77	.1	14	14	412	3.84	6	5	ND	3	17	1	2	2	65	.11	.12	15	19	.60	86	.17	4	3.59	.01	.11	1	55
LRD-006	2	105	2	83	.1	22	15	412	3.91	6	5	ND	4	27	1	2	2	73	.20	.12	16	23	.82	98	.19	6	2.98	.01	.07	8	75
LRD-007	1	65	11	83	.1	30	15	465	4.02	4	5	ND	4	21	1	2	2	72	.14	.16	16	43	1.10	105	.22	2	3.89	.01	.10	4	160
LRD-008	3	90	18	98	.1	23	15	1007	3.94	3	5	ND	3	19	1	2	2	69	.17	.16	14	35	.89	81	.19	7	3.80	.01	.09	3	95
LRD-009	4	106	11	78	.1	21	16	479	4.00	5	5	ND	4	24	1	2	2	71	.17	.14	16	25	.86	86	.19	5	3.64	.01	.10	6	185
LRD-010	3	45	14	75	.1	15	9	546	3.35	2	6	ND	4	14	1	2	2	58	.11	.12	12	18	.50	72	.24	6	4.49	.02	.09	1	14
LRD-011	2	39	9	81	.2	22	12	503	3.33	4	6	ND	3	17	1	2	2	56	.13	.18	17	23	.57	104	.22	2	4.26	.01	.08	1	37
LRD-012	1	55	19	78	.1	32	13	537	3.83	3	5	ND	4	27	1	2	2	66	.18	.19	18	34	.92	127	.23	7	3.88	.01	.11	6	50
LRD-013	2	44	12	89	.2	27	13	766	3.81	2	5	ND	3	31	1	2	2	66	.24	.15	15	25	.86	183	.24	5	3.02	.01	.11	5	50
LRD-014	1	51	13	70	.2	17	13	554	3.63	2	5	ND	3	19	1	2	2	71	.15	.11	11	16	.70	110	.19	2	3.45	.01	.07	3	50
LRD-015	1	47	13	80	.1	17	13	725	3.80	2	6	ND	3	18	1	2	2	73	.15	.14	10	16	.64	97	.20	4	3.90	.02	.08	1	46
LRD-016	1	62	6	68	.3	18	17	490	4.38	3	6	ND	4	26	1	2	2	90	.22	.14	12	18	.88	107	.20	7	3.66	.01	.10	4	80
LRD-017	1	59	10	70	.2	19	16	430	4.42	4	5	ND	3	24	1	2	2	89	.20	.14	10	19	.84	97	.21	9	3.70	.02	.10	3	60
LRD-018	1	54	2	64	.1	19	14	425	4.23	2	6	ND	4	25	1	2	2	82	.19	.17	8	20	.83	92	.21	4	3.88	.01	.08	3	85
LRD-019	1	59	18	82	.2	28	16	686	4.40	6	5	ND	3	34	1	2	2	85	.33	.14	8	27	.96	148	.20	2	2.72	.01	.09	4	175
LRD-020	3	51	13	75	.4	22	16	506	4.47	5	5	ND	4	23	1	2	2	85	.19	.15	10	24	.89	95	.24	7	3.72	.01	.08	5	210
LRD-021	1	25	22	69	.4	16	7	614	3.02	7	7	ND	4	12	1	2	2	50	.11	.15	8	17	.35	61	.21	5	4.08	.02	.07	1	10
LRD-022	1	35	20	70	.2	18	10	370	3.70	5	5	ND	4	19	1	3	2	68	.16	.13	9	21	.59	65	.19	7	3.22	.01	.08	11	150
LRD-023	5	25	12	77	.4	21	11	475	3.97	2	7	ND	4	15	1	2	2	72	.13	.13	11	22	.54	77	.23	5	3.34	.01	.07	41	180
LRD-024	5	31	10	94	.3	46	16	825	4.28	2	5	ND	3	42	1	2	2	72	.45	.16	17	40	1.11	195	.28	6	2.98	.02	.12	2	24
LRD-025	2	37	19	81	.5	23	12	542	4.29	5	5	ND	5	26	1	2	2	71	.15	.15	11	27	.78	100	.23	7	3.64	.01	.10	2	90
LRD-026	3	26	16	83	.3	30	11	562	4.17	2	6	ND	4	20	1	2	2	68	.16	.14	9	31	.71	124	.27	4	3.81	.02	.12	1	30
LRD-027	3	18	7	59	.4	19	6	254	3.60	4	6	ND	4	14	1	2	2	57	.11	.10	10	21	.36	64	.25	2	3.73	.02	.06	2	17
LRD-028	2	50	12	90	.2	56	17	499	5.17	8	6	ND	5	36	1	2	2	96	.26	.15	15	61	1.49	202	.30	4	3.82	.02	.12	1	40
LRD-029	1	27	18	73	.2	53	13	493	4.05	8	7	ND	5	79	1	2	3	71	.36	.23	20	73	1.20	126	.30	10	2.81	.02	.10	1	33
LRD-030	1	22	17	70	.3	30	11	408	4.55	5	6	ND	6	47	1	4	2	80	.20	.18	23	57	.94	72	.30	5	3.05	.01	.07	1	60
LRD-031	2	18	17	60	.3	24	8	403	3.36	2	7	ND	4	27	1	2	2	58	.16	.14	10	32	.60	56	.21	2	3.50	.02	.04	1	39
LRD-032	2	22	10	67	.2	15	7	370	3.44	3	7	ND	4	13	1	2	3	56	.07	.13	9	25	.35	56	.17	5	3.93	.01	.06	1	10
LRD-033	1	19	13	40	.5	17	5	170	2.53	2	5	ND	4	16	1	2	2	40	.11	.10	10	32	.27	49	.18	2	3.07	.02	.04	2	25
LRD-034	1	14	14	40	.3	13	6	292	2.32	2	6	ND	2	13	1	2	2	37	.09	.08	6	22	.20	48	.16	4	2.86	.02	.03	1	80
LRD-035	1	8	21	19	.3	4	2	63	.78	2	5	ND	2	8	1	2	4	26	.04	.02	5	10	.04	29	.15	2	.90	.02	.02	1	8
LRD-036	2	21	31	78	.3	27	10	405	3.59	5	5	ND	3	23	1	2	5	65	.16	.14	8	28	.67	136	.23	2	2.31	.01	.08	3	23
STD C/AU-0.5	19	58	37	130	6.9	69	29	1057	3.94	39	19	7	32	46	16	15	22	61	.48	.10	37	59	.88	171	.09	39	1.73	.06	.13	12	480

LACANA MINING

TABLE 2

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Cr	La	Cr	Mg	Ba	Ti	P	Al	Na	K	W	Au1	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
LRD-037	3	52	14	79	.4	46	17	499	3.86	5	5	ND	2	47	1	2	2	96	.26	.17	12	45	1.16	262	.15	2	1.95	.02	.14	2	65
LRD-038	3	64	28	70	.3	36	12	442	5.56	9	5	ND	4	54	1	2	2	86	.24	.21	13	64	.84	116	.23	3	3.58	.02	.08	6	14
LRD-039	3	15	35	65	.3	8	5	549	2.22	8	5	ND	1	16	1	2	2	76	.17	.05	5	11	.19	66	.19	2	.87	.02	.06	1	6
LRD-040	3	25	13	28	.3	3	5	146	3.23	12	5	ND	1	7	1	2	2	64	.06	.12	7	9	.13	30	.15	4	2.39	.02	.03	4	3
LRD-041	2	15	22	46	.3	8	6	279	2.99	4	5	ND	1	11	1	2	2	87	.15	.07	5	12	.37	42	.16	4	1.60	.02	.05	1	6
LRD-042	2	25	20	70	.1	62	14	424	4.34	2	5	ND	3	71	1	2	2	91	.40	.18	20	46	1.36	279	.37	7	1.91	.02	.14	2	11
LRD-043	1	14	17	37	.2	7	6	192	3.09	2	5	ND	1	9	1	2	2	82	.08	.09	7	12	.32	47	.20	4	1.62	.02	.04	4	55
LRD-044	2	16	16	28	.2	2	3	169	2.14	2	5	ND	1	6	1	2	2	41	.06	.05	6	10	.12	30	.14	2	1.83	.02	.03	5	110
LRD-045	2	20	15	34	.3	6	5	128	2.81	2	5	ND	1	9	1	2	2	53	.06	.07	7	15	.21	46	.16	4	2.01	.02	.04	3	43
LRD-046	3	29	20	73	.3	8	8	647	3.89	8	5	ND	1	21	1	2	2	83	.14	.09	8	11	.50	61	.11	2	1.88	.01	.07	4	58
LRD-047	4	35	16	52	.2	7	5	324	3.16	4	5	ND	2	11	1	2	2	54	.08	.14	6	15	.30	50	.17	2	3.35	.02	.06	2	47
LRD-048	3	26	22	41	.1	5	4	590	2.29	4	5	ND	1	9	1	2	2	43	.07	.08	8	12	.18	50	.14	2	2.46	.01	.05	3	80
LRD-049	5	21	18	30	.4	6	4	85	1.99	5	5	ND	1	7	1	2	2	38	.05	.06	8	10	.12	35	.14	2	2.31	.02	.03	5	70
LRD-050	3	19	45	82	.5	12	6	1970	2.55	7	5	ND	1	15	1	2	2	47	.12	.10	7	13	.22	96	.12	2	1.70	.01	.07	1	90
LRD-051	2	23	18	34	.4	6	5	141	2.70	4	5	ND	1	12	1	2	2	50	.11	.11	10	13	.32	58	.17	2	2.96	.02	.06	3	4
STD C/AU 0.5	21	62	43	139	7.3	71	30	1135	3.97	40	18	7	38	50	18	16	21	65	.48	.11	37	59	.88	179	.08	38	1.73	.07	.14	15	495

LACANA MINING PROJECT - 6101 FILE # 86-1265

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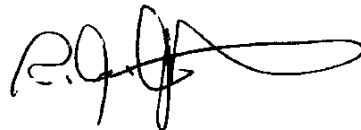
SAMPLE#	Ag	Cu	Pb	Zn	As	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	F	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	AgII	PtII	PdII
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM	PPM
0387	2	272	7	46	.2	7	26	450	5.96	7	5	ND	1	16	1	2	2	164	1.42	.08	5	22	1.11	45	.28	3	1.56	.06	.72	4	18	-	-
0388	1	68	7	33	.1	5	10	383	1.82	2	5	ND	1	71	1	2	2	63	1.42	.09	6	6	.60	215	.21	3	1.73	.07	.36	2	9	-	-
0389	3	92	7	24	.2	1	7	292	1.84	2	5	ND	1	44	1	2	2	47	.66	.06	4	2	.54	33	.18	2	.86	.07	.15	1	7	-	-
0390	1	63	6	24	.1	1	7	333	1.94	3	5	ND	1	47	1	2	2	54	1.04	.07	5	1	.57	84	.19	2	1.12	.10	.32	1	4	-	-
0391	1	37	3	12	.1	1	7	765	1.78	2	5	ND	1	21	1	2	2	35	3.94	.06	3	1	.08	16	.13	3	1.00	.01	.05	2	2	-	-
0392	1	2	2	6	.1	2	1	487	1.22	2	5	ND	2	40	1	2	4	5	.98	.06	9	1	.17	59	.01	3	.38	.04	.16	1	55	-	-
0393	1	29	6	40	.1	2	9	476	2.70	2	5	ND	1	53	1	2	2	86	.98	.07	5	3	.81	79	.20	2	1.35	.13	.46	1	2	-	-
0394	1	47	7	81	.1	1	18	1024	5.50	5	5	ND	1	27	1	2	2	202	.90	.10	2	2	1.64	275	.34	5	2.57	.17	1.44	1	4	-	-
0368	8	68	7	50	.1	20	10	337	4.28	12	5	ND	2	32	1	2	2	124	1.41	.07	2	47	1.38	118	.23	2	1.73	.11	.53	1	6	-	-
0369	20	46	15	120	.3	47	10	424	5.03	24	5	ND	2	78	1	7	2	58	.30	.08	7	22	.87	46	.19	3	2.03	.03	.19	1	3	-	-
0370	13	197	3	32	.1	16	15	251	3.30	3	5	ND	1	59	1	2	2	59	.62	.06	2	16	.27	24	.15	2	.92	.10	.15	18	12	-	-
0371	1	37	5	48	.1	4	9	429	3.74	3	5	ND	2	32	1	2	2	120	1.47	.07	3	7	1.03	153	.21	2	1.38	.11	1.05	6	4	-	-
0372	1	40	2	40	.1	4	12	506	3.56	6	5	ND	1	53	1	4	2	86	1.27	.10	2	5	.54	31	.19	5	1.41	.18	.26	2	1	-	-

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 11th day of Dec. 1986.

A handwritten signature in black ink, appearing to read 'R.J. Johnston', with a long horizontal flourish extending to the right.

