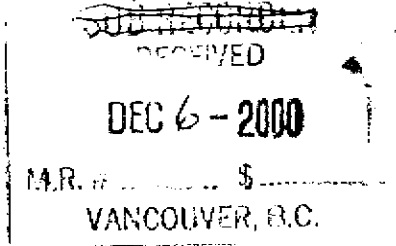


Dec 1/00 in Victoria



**PROSPECTING REPORT  
ON  
ELISIR  
ALBERNI M.D. MAP 92E/16  
LAT 49' 45' 25" N LONG 126' 15'  
60"W**

**BY  
EFREM SPECOGNA**

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**26,394**

## 1. Introduction

This report describes the work carried out on the Elisir Mineral Claim. Situated in the Alberni Mining Division. It also includes some unreported assay results obtained by the author in previous years without asking for credit, as it might become useful at some time in the future to someone.

## 2. Location and Access

The Elisir is located at the spring of the Muchalat West River a confluent of Muchalat North, and Diamond Cr. draining into the Conuma Valley.

## 3. History

There is no record of any work done on the Elisir except for an airborne electromagnetic profile by Aerodat for Noranda, following an option agreement with the author on the Dragon prospect.

The author has been prospecting the general area since 1985 (accompanied by daughter Tania and her friend Tiera Punt), while checking paleozoic limestone areas reported by the C.G.S., and located a massive sulphide float north of Leighton Mountain in the Muchalat Valley.

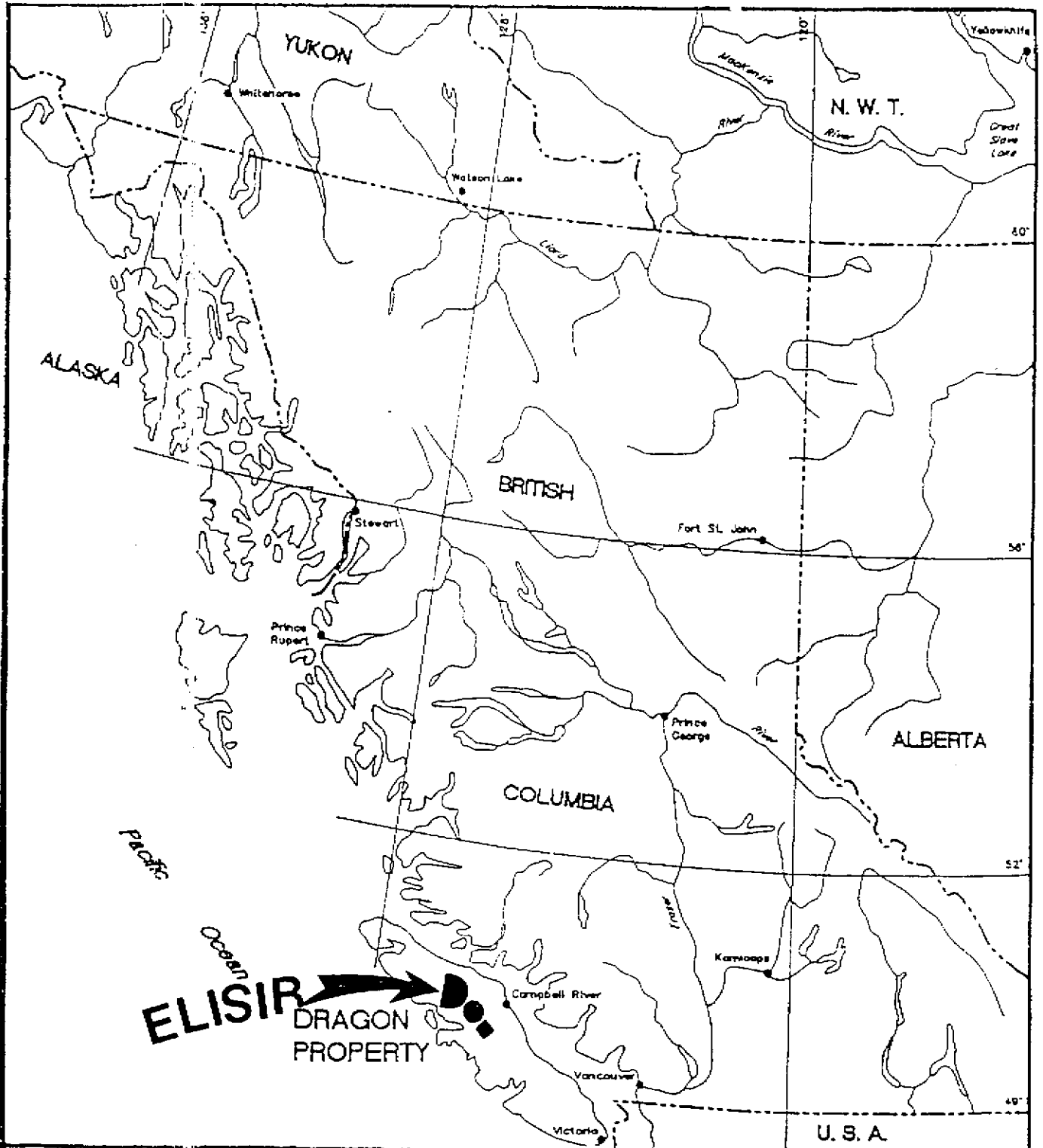
Huge amounts of snow at high elevation and lack of road access to the south of the range prevented serious prospecting until 1992 when the logging company, active in the area, disclosed its' five year logging and road building plan. Following the Specogna staking, the Dragon showings, and an option agreement with Norex (a Noranada subsidiary) more ground was acquired by Norex. Norex dropped the option in 1994. Westmin took over only to leave for greener ground in 1996.

## 4. Work

After Westmin left, a new road was built in 1998 that exposed rocks never reported on Vancouver Island. These rocks are now being explored. Petrographic, rock identification of five samples, microanalysis of spinels, and several rock chip samples were analyzed multi-elements and P.G.E.

## 5. Geology

The area covered by the Elisir mineral claim was mapped as Karmutsen. In fact it covers a very complex geology that consists of laprophyric dikes, layered mafic and multi-intrusive including silicic, quartz fespatic dikes from a width of 50 meters to 20 centimeters and in the Cu. Ni. Co. area silicic dike as small as 1 centimeter. Also basaltic round and oblong pyroclast with a few accidentals (silicic) are exposed in a small bluff.



**ELISIR** →  
**DRAGON**  
**PROPERTY**

# ELISIR 2

LOCATION MAP

SPECOGNA

SCALE 1:7,500,000 FIG. 1

# GEOLOGICAL MAP 92E/16

30'

15'

126°00'

RUPERT DISTRICT

50°00'



45'

30'

Within the intrusive complex an area one hundred meters wide ( probably a pipe ) is decomposed, cut to a depth of ten meters by the Rd. builders, the end is not in site, boulders of mafic and silicic are embedded in it. Another area at a higher elevation is also decomposed with fist sized clast embedded in it that appear to be of the same composition. A several tonne's float boulder near by is saturated with five centimeter feldspare crystals. On the eastern site of the exposed layered rocks, saprolitic weathering is well exposed. To the west of Elisir in another walley Mo. occurs in Karmutsen volcanic, the main sulphide in quartz veins is pyrrhotite the which is rimed by molybdenite.

## 6. Results

Petrographyc and Photomicrographs analyses positively indentified the Lamprophyres.

Electron-Probe Microanalysês of Spinels with 50% Cr. indicate origin from deep of the mantle, their Cr. content compares close to world diamond deposits.

It is of note that in Germany recently microdiamonds were found in quartz feldspatic rocks.

The lamprophyric dikes and layered mafic after limited assays seem to be depleted of Cu. and PGE , whereas the rocks to the south of the intrusion are depleted of Cr. but enriched in Cu. Ni. and anomalous in PGE.

To the west and northwest of the above area several E.M. anomalies were detected by Aerodat and have not yet been investigated.

C.S.G. considers the area north west of Gold River to be the back bone of Vancouver Island. It is of note that rocks mapped by Westmin on the Dragon compare with the Kambalda geology of Australia.



TABLE 1. Electron-probe microanalyses of select grains of spinel-group minerals (Fe<sub>2</sub>O<sub>3</sub> calculated from stoichiometry).

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TiO <sub>2</sub>	0.08	0.13	0.27	0.15	0.23	0.22	0.10	0.18	0.20	0.23	0.16	0.24	0.24	0.09	0.18	0.22	0.11
Al <sub>2</sub> O <sub>3</sub>	15.52	9.32	10.07	9.35	12.69	7.83	13.03	10.54	16.21	8.12	13.94	8.56	11.00	13.03	12.82	10.33	12.71
Cr <sub>2</sub> O <sub>3</sub>	40.04	54.70	52.19	53.84	48.43	53.89	45.02	48.92	42.85	53.78	44.75	53.29	47.15	45.54	47.58	49.01	45.61
Fe <sub>2</sub> O <sub>3</sub>	11.79	4.02	4.95	4.39	5.87	5.95	9.73	7.84	8.02	6.15	8.78	5.76	9.10	8.67	6.78	7.94	8.61
MnO	0.25	0.23	0.26	0.21	0.22	0.17	0.22	0.29	0.23	0.18	0.20	0.27	0.20	0.25	0.27	0.20	0.21
FeO	27.93	27.77	28.33	28.21	28.34	29.57	27.98	28.43	27.36	29.00	28.79	28.44	28.96	28.97	28.82	28.46	28.91
MgO	<u>4.05</u>	<u>3.83</u>	<u>3.41</u>	<u>3.40</u>	<u>3.65</u>	<u>2.50</u>	<u>3.91</u>	<u>3.30</u>	<u>4.59</u>	<u>2.96</u>	<u>3.57</u>	<u>3.23</u>	<u>3.11</u>	<u>3.17</u>	<u>3.39</u>	<u>3.34</u>	<u>3.11</u>
Total	99.66	100.00	99.48	99.55	99.43	100.13	99.99	99.50	99.46	100.42	100.19	99.79	99.76	99.72	99.84	99.50	99.51
Numbers of cations based on 32 oxygens per formula unit																	
Ti	0.02	0.03	0.06	0.03	0.05	0.05	0.02	0.04	0.04	0.05	0.03	0.05	0.05	0.02	0.04	0.05	0.03
Al	4.95	3.04	3.30	3.08	4.11	2.60	4.19	3.46	5.14	2.68	4.47	2.82	3.60	4.22	4.14	3.39	4.11
Cr	8.57	11.97	11.48	11.88	10.52	12.01	9.71	10.77	9.11	11.90	9.62	11.79	10.36	9.89	10.32	10.79	9.91
Fe <sup>3+</sup>	<u>2.40</u>	<u>0.84</u>	<u>1.04</u>	<u>0.92</u>	<u>1.21</u>	<u>1.26</u>	<u>2.00</u>	<u>1.64</u>	<u>1.62</u>	<u>1.30</u>	<u>1.80</u>	<u>1.21</u>	<u>1.90</u>	<u>1.79</u>	<u>1.40</u>	<u>1.66</u>	<u>1.71</u>
Σ <sup>3+,4+</sup>	15.94	15.88	15.88	15.91	15.90	15.92	15.92	15.91	15.91	15.92	15.92	15.88	15.91	15.93	15.90	15.89	15.91
Mn	0.06	0.05	0.06	0.05	0.05	0.04	0.05	0.07	0.05	0.04	0.05	0.06	0.05	0.06	0.06	0.05	0.05
Fe <sup>2+</sup>	6.32	6.43	6.59	6.59	6.51	6.97	6.39	6.62	6.15	6.79	6.55	6.66	6.73	6.66	6.61	6.63	6.61
Mg	<u>1.64</u>	<u>1.58</u>	<u>1.42</u>	<u>1.42</u>	<u>1.50</u>	<u>1.05</u>	<u>1.59</u>	<u>1.37</u>	<u>1.84</u>	<u>1.24</u>	<u>1.45</u>	<u>1.35</u>	<u>1.29</u>	<u>1.30</u>	<u>1.39</u>	<u>1.39</u>	<u>1.31</u>
Σ <sup>2+</sup>	8.02	8.06	8.07	8.05	8.06	8.06	8.03	8.06	8.05	8.06	8.04	8.07	8.06	8.02	8.06	8.06	8.01

Note: Si, Ca, Ni, V analyzed for but not detected.



Exploration  
Research Laboratory

Mr. E. Specogna  
1704 Centenary Drive  
Nanaimo, B.C.  
V9X 1A3

22 April, 1999

Dear Sir:

**RE: White Mineral I.D. / E.R.L. Job V990232R**

Three pieces of dense, black, fine grained rock which react vigorously to 10% HCl are cut by thin veinlets of white calcite. Fine grained disseminated Fe-sulfides are disseminated through the rock. On some surfaces a white coating is developed which is seen to react only mildly to 10% HCl.

The white coating was scraped off the rocks and x-rayed. The two minerals identified in the x-ray chart are quartz and calcite.

The white coatings are seen to be quite hard when scrapped with a needle so it is believed they are largely quartz.

Attached is the x-ray diffractogram.

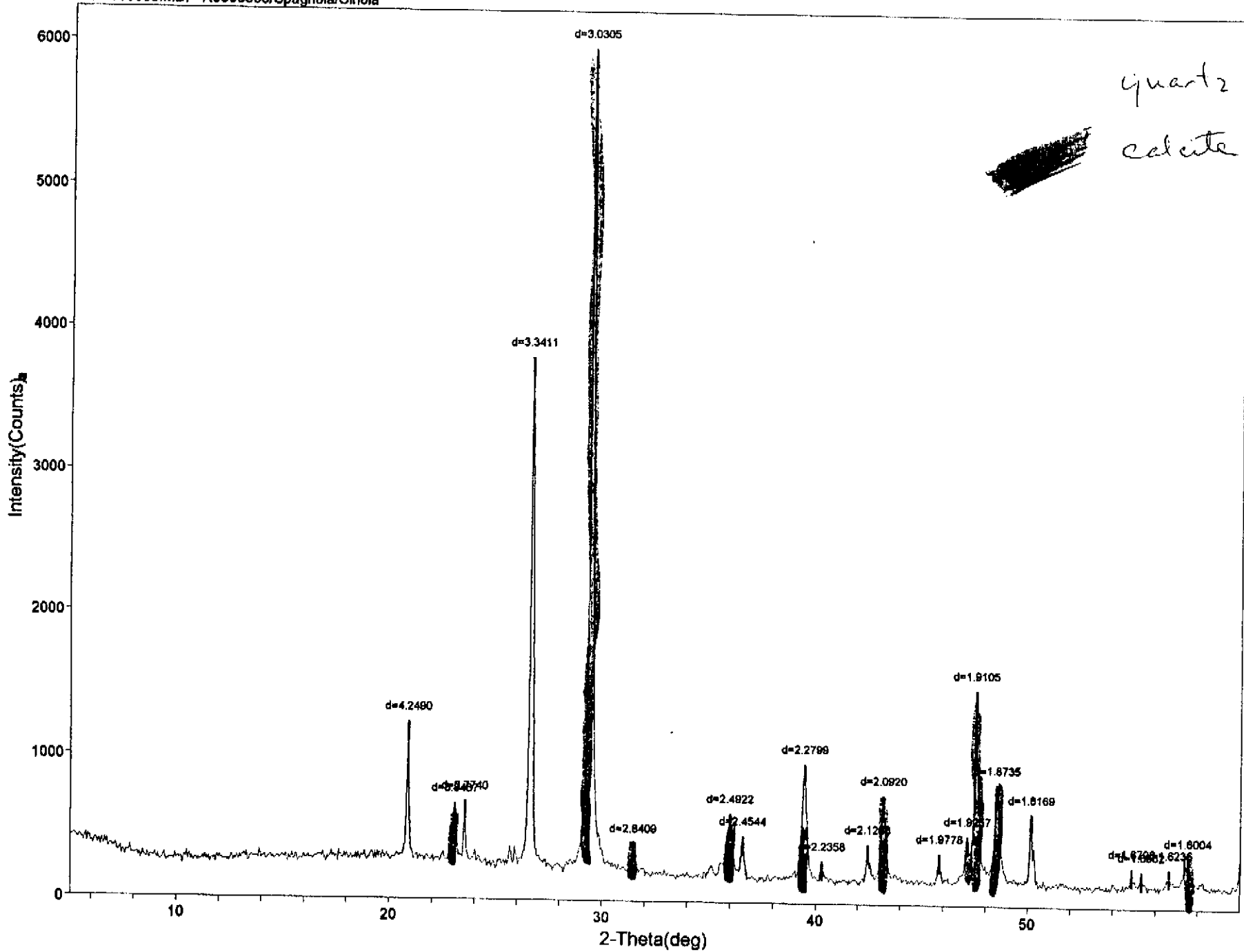
Yours truly,

A handwritten signature in black ink, appearing to read 'J.A. McLeod', written over a horizontal line.

J.A. McLeod, M.A.Sc., P.Eng.  
E.R.L. Manager

JAM/skw  
App. (X-ray diffratograms)





Scan Parameters: Range = 5.0-59.95/0.05, Dwell = 1(sec), Max-I = 5924, Anode = CU

Date: 04-20-99@10:22

Search Parameters: Filter = 11(pts), Threshold = 3.0(esd), Peak-Cutoff = 0.5%, 2-Theta Zero Offset = 0.0(deg)

Note: intensity data from raw counts, Summit peak location, Wavelength for computing d-spacing = 1.540562<CU, K-alpha1>

#	2-Theta	d(A)	h	k	l	BG	Peak	P%	Area	A%	FWHM	Size(A)	#
1	20.889	4.2490				276	913	16.1	133	9.9	0.116	>1000	1
2	23.090	3.8487				282	336	5.9	61	4.5	0.145	>1000	2
3	23.554	3.7740				340	295	5.2	28	2.0	0.074	>1000	3
4	26.659	3.3411				268	3492	61.6	655	48.6	0.150	>1000	4
5	29.450	3.0305				255	5669	100.0	1348	100.0	0.190	840	5
6	31.464	2.8409				205	140	2.5	23	1.7	0.130	>1000	6
7	36.008	2.4922				232	334	5.9	67	4.9	0.159	>1000	7
8	36.581	2.4544				234	175	3.1	26	1.9	0.115	>1000	8
9	39.492	2.2799				173	749	13.2	194	14.4	0.207	565	9
10	40.305	2.2358				172	67	1.2	9	0.6	0.097	>1000	10
11	42.469	2.1268				171	192	3.4	27	2.0	0.111	>1000	11
12	43.210	2.0920				185	523	9.2	116	8.6	0.177	767	12
13	45.841	1.9778				144	162	2.9	30	2.2	0.144	>1000	13
14	47.157	1.9257				151	278	4.9	89	6.5	0.254	400	14
15	47.555	1.9105				202	1251	22.1	308	22.8	0.197	594	15
16	48.555	1.8735				212	581	10.2	156	11.6	0.215	510	16
17	50.168	1.8169				151	436	7.7	74	5.5	0.135	>1000	17
18	54.908	1.6708				132	91	1.6	15	1.1	0.131	>1000	18
19	55.358	1.6582				131	71	1.3	13	0.9	0.137	>1000	19
20	56.646	1.6236				147	72	1.3	13	0.9	0.138	>1000	20
21	57.542	1.6004				154	148	2.6	45	3.3	0.242	433	21
@	End-of-List												



Mr. Efrem Specogna  
1704 Centenary Drive  
Nanaimo, B.C.  
V9X 1A3

21 January, 2000

Dear Sir: **RE: Mineralogical Identification / E.R.L. Job V000008R**

Five rock samples were submitted for identification. A thin section was made of each and a quick description is given. The samples are referenced as follows:

<u>LAB NO.</u>	<u>FIELD NO.</u>
R00:00223	Diamonds #1
R00:00224	Diamonds #2
R00:00225	Kukutka
R00:00226	Ni Cr Anomaly
R00:00227	Associated Cr,Ni,Co

Following are the descriptions:

**SAMPLE R00:00223 (Diamonds #1).**

Large plagioclase crystals to 5 mm in length with interstitial laths of chlorite, in patches and aggregates of 2 - 4 mm, are noted. Some fine grained epidote, sphene, carbonate and iron-oxides are widely disseminated. The rock appears to be some sort of chloritized diorite.

***SAMPLE R00:00224 (Diamonds #2).***

This rock is cut by several calcite veins and veinlets and is comprised of relatively fine grained chlorite and tremolite. It appears to be an altered volcanic.

***SAMPLE R00:00225 (Kukutka).***

Large, poikilitic grains of amphibole are seen to be up to several cm's in size. They incorporate or engulf grains of plagioclase and pyroxene that are in the 0.5 - 1.0 mm size range. Some large crystals of plagioclase are also present and these appear to be corroded. The rock has been altered in an interstitial to intergranular manner with the development of secondary amphiboles, chlorite and sulfides.

The rock is some sort of basic to ultrabasic megacryst bearing lamprophyre.

***SAMPLE R00:00226 (Ni Cr Anomaly).***

An extensively altered rock has what appears to be crystals of amphibole developed throughout. The rock is a fine grained mixture of tremolite and chlorite with the possibility of talc. The rock is thought to be an altered ultramafic.

***SAMPLE R00:00227 (Associated Cr,Ni,Co).***

This sample is comprised of fresh, fine grained amphibole grains of a granular nature in the 0.25 - 0.5 mm size range. These grains are intergrown with plagioclase. The plagioclase grains vary from 0.5 mm to aggregates of grains up to 2 - 3 mm in size.

The rock is an amphibolite and may in fact be a metamorphic rock derived from a pre-existing basic volcanic or igneous material.



Mr. E. Specogna  
1704 Centenary Drive  
Nanaimo, B.C.  
V9X 1A3

2 September, 1999

Dear Sir:

**RE: Lamprophyre Sample / E.R.L. Job V990602R**

A large, black, crystalline rock sample was submitted for identification. A thin section was made and examined microscopically.

In transmitted light the rock is seen to contain the following visually estimated mode:

Amphibole (hornblende):	60%
Biotite:	20%
Olivine:	10%
Pyroxene:	8-9%
Opaques:	1%

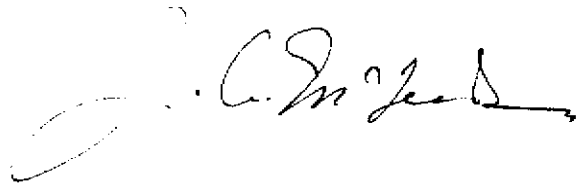
Large grains of hornblende to a cm are anhedral and often contain small, euhedral grains of pyroxene (0.5 mm) as inclusions. As well, intergrown with hornblende are larger, ragged laths of pyroxene and even larger grains of biotite. This biotite may be up to several mm's in length.

Corroded, granular olivine up to 2 mm are included in hornblende and biotite. Some disseminated, very fine grained iron sulfide opaques are present in the rock.

The rock is an unusual basic/ultrabasic material and is a hornblende rich, feldspar poor lamprophyre. Based on field descriptions it is a lamprophyre dyke.

A few photomicrographs have been taken and these are captioned and appended. They are meant to illustrate mineralogy and texture.

Yours truly,

A handwritten signature in cursive script, appearing to read "J.A. McLeod". The signature is written in dark ink and is positioned above the typed name.

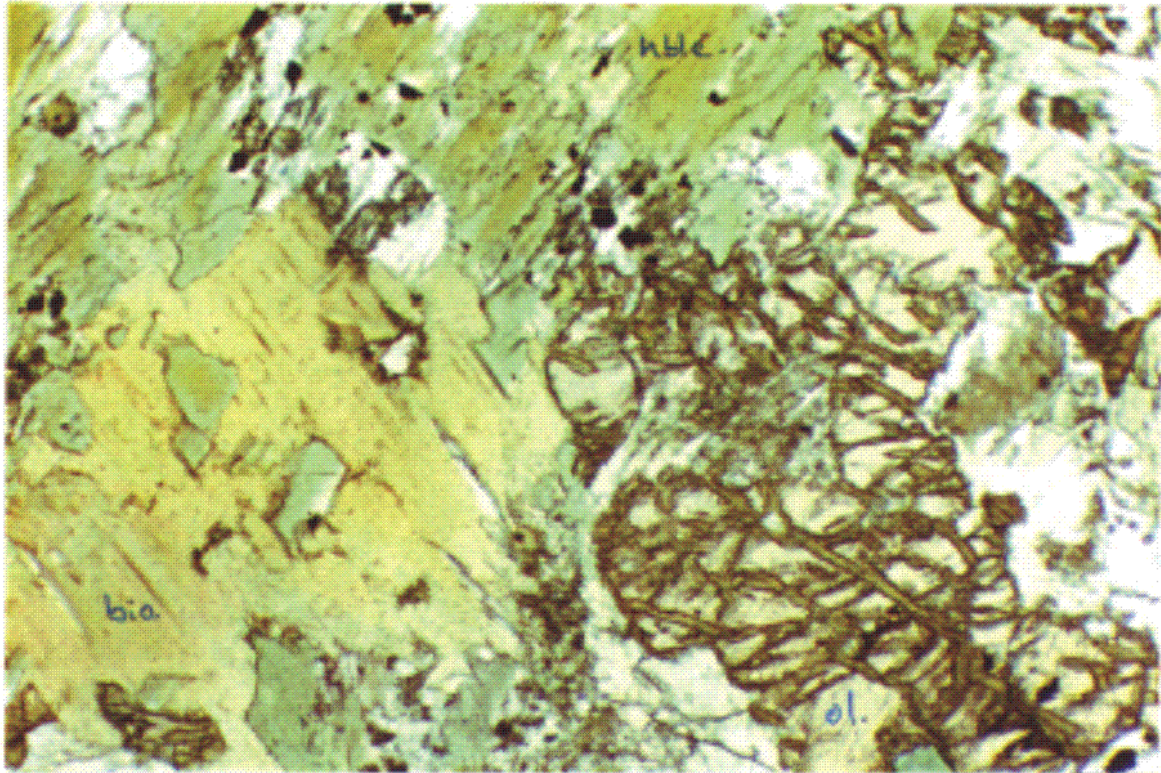
J.A. McLeod, M.A.Sc., P.Eng.  
E.R.L. Manager

JAM/skw

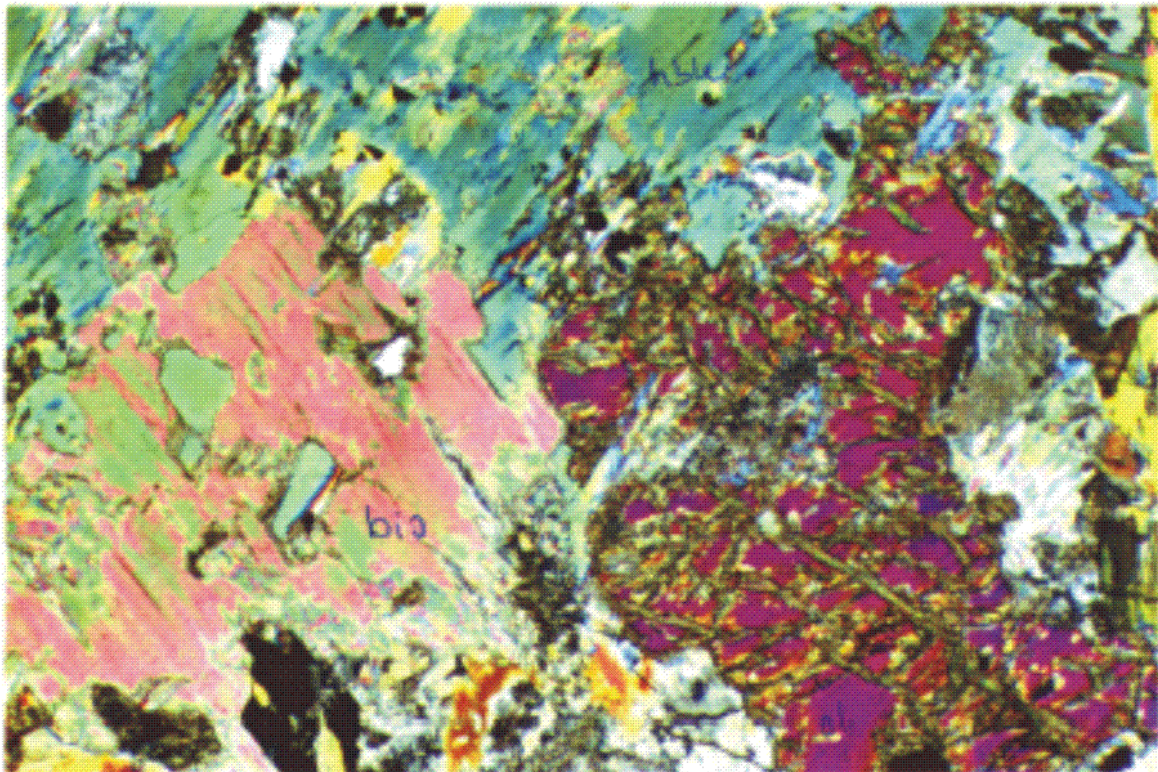
App. (photos)  
Encl. (section)



**PHOTOMICROGRAPHS - SPECOGNA (V990602R)**

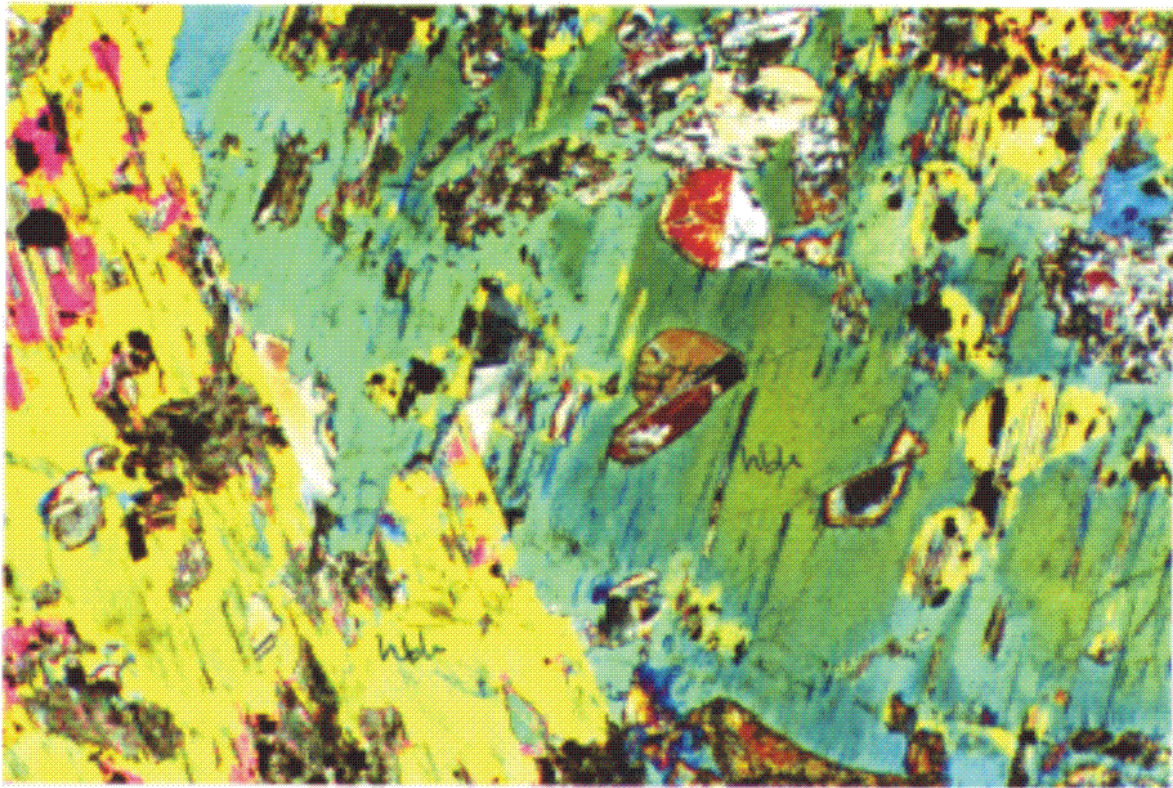


**R99:9098.** Corroded olivine grains, plates of anhedral biotite and hornblende. Transmitted light, mag. 25x.



**R99:9098.** As above but crossed nicols.





250  $\mu$ m

**R99:9098.** Large plates of hornblende with small crystals of included pyroxene. Transmitted light, crossed nicols, mag. 25x.



COST

LORING 9.6 Kg. sample processing	\$ 278.00
UBC ELECTRON-PROBE MICROANALYSES	300.00
Assay's 25 samples at \$35.00 per sample	875.00
Mineralogical ID	324.00
Travel 10.000 Km. at .40¢ per Km.	4.000.00
Labor 15 days two men \$350.00 per day	4.500.00
	-----
	10.277.00

STATEMENT of QUALIFICATION

I Efrem Specogna certyfy that I beenProspecting for over  
thirty years and had mining claims optioned to most  
mayor Canadian Mining Company.

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

Efrem Specogna

## Assays

B48636	Breccia boulder in road rubble
48637	Pyritized volcanic in road cut
38	Very coarse lamprophyre
318	Skarn bellow miara rocks west of diamond Gr.
319	Altered volcanic bettwin lanprophytes
320	As above – also R00:0022 and 23
48642	Pyritized quart veins
43	As above
44	As above
45	As above on south side of small fault
46	Eight feet sample north of 48637 altered volcanic
47	Veins in rock rubble across diamond gr.
48	Same place quart mira
49	Mira cert
50	Quartz stainen dark
Lamp 1	Coarse lamprophyre
Lamp 2	Evenly grained boulder withing decayed rock
48200	Decayed rock near layered mafic
48600	Moss in Cr. To the west of layered rock
324	Thin layered silicified boulder in road rubble
325	Chip sample along east west fault R00:0027
326	Five hundred m. south of above in road cut
327	Gabbro floats from Cr. In the Muchalal valleys
328	Gabbro floats from Cr. In the Muchalal valleys
2010	Gabbro
2011	Gabbro pyritezed
2012	Gabbro pyritezed
2013	Gabbro pyritezed

**Assays of previous years.**

48060 Small float in Northgate Valley  
B48323 Mo in quartz veins in Karmutsen volcanics  
B48324 Mo in quartz veins in Karmutsen volcanics  
B48325 Mo in quartz veins in Karmutsen volcanics  
B48326 Mo in quartz veins in Karmutsen volcanics  
B48327 Mo in quartz veins in Karmutsen volcanics  
48099 Ni Cu anomaly in Northgate Valley also R00:00226  
48550 Black ultra basic in big rock pit Conuma Valley  
48163 Cu mineralized gabbro South West of Muchlat Lake  
48378 Gabbro main showing  
48379 Partially bleached  
48380 Totally bleached  
48381 Totally bleached  
48382 Fresh and hard Gabbro  
48383 Coarse horblend Gabbro  
48640 Graphitized Dike with floreshent white veinlets V990232R  
48641 Karmutsen with pyrrhotite  
48388 From 48163 paned over flow (tailing)  
48389 Same concentrated with magnetics removed  
48390 Same mostly magnetic  
48317 Graphitized as 48640

GEOCHEMICAL ANALYSIS CERTIFICATE



Specogna Mineral Corporation File # 9804960  
1704 Centenary Drive, Nanaimo BC V9X 1A3 Submitted by: Efrem Specogna

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb	ppb	ppb
B 48636	1	3863	39	196	4.4	194	63	360	5.00	200	8	<2	<2	35	3.7	3	5	65	2.55	.045	2	56	.56	2	.19	3	2.33	.01	<.01	5	95	4	67
B 48637	1	3564	4	114	1.7	155	220	411	15.19	4	<8	<2	<2	52	<.2	<3	<3	220	1.29	.069	5	1	1.32	34	.17	6	3.19	.09	.12	2	13	1	10
B 48638	6	31	6	49	<.3	283	59	610	4.55	<2	<8	<2	<2	42	.4	<3	<3	24	.65	.049	5	381	5.60	21	.05	<3	3.67	.06	.02	3	1	1	3
RE B 48638	11	30	<3	46	<.3	281	59	612	4.52	<2	<8	<2	<2	42	.4	<3	<3	24	.65	.047	5	387	5.58	20	.05	<3	3.67	.06	.02	2	1	1	3

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 2-2-2 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 SR CA P LA CR MG BA TI B W AND MASSIVE SULFIDE AND LIMITED FOR NA K AND AL.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\*\* PT\*\* PD\*\* BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 9 1998 DATE REPORT MAILED: *Nov 16/98* SIGNED BY: *[Signature]* .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
 NANAIMO, BC  
 V9R 5K1

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 24-NOV-1998  
 Invoice No. : 19836370  
 P.O. Number :  
 Account : PEO

Project :  
 Comments: ATTN:EFREM SPECOGNA

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9836370</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm
48639	205 226	146	< 5	110	8	2.24	270	< 20	< 5	< 10	1.76	< 5	60	100	6820	9.84	< 10	< 0.01	0.65	370

CERTIFICATION:

*Hart Riehler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
NANAIMO, BC  
V9R 5K1

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 24-NOV-1998  
Invoice No. : 19836370  
P.O. Number :  
Account : PEO

Project :  
Comments: ATTN:EFREM SPECOGNA

## CERTIFICATE OF ANALYSIS

### A9836370

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
48639	205	226	< 5	0.01	430	400	70	< 10	< 5	10	0.10	< 20	< 20	60	20	220

CERTIFICATION: *Mark Redden*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
 NANAIMO, BC  
 V9R 5K1

Project :  
 Comments:

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 10-FEB-1997  
 Invoice No. : 19911527  
 P.O. Number :  
 Account : PEO

## CERTIFICATE OF ANALYSIS

### A9911527

SAMPLE	PREP CODE		Au	Pt	Pd	Al2O3	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	LOI	TOTAL
	AFS	AFS	AFS	AFS	AFS	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	% XRF	%
48640	205	226	< 4	< 10	< 4	8.28	30.29	< 0.01	3.81	1.98	1.70	0.03	1.21	0.04	40.13	0.40	11.02	98.89
48641	205	226	12	< 10	< 4	15.46	10.23	< 0.01	24.80	1.10	5.70	0.14	0.45	0.23	32.50	1.22	7.27	99.10

CERTIFICATION:





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
 NANAIMO, BC  
 V9R 5K1

Project:  
 Comments:

Page Number :1-A  
 Total Pages :1  
 Certificate Date: 08-FEB-1999  
 Invoice No. :I9911528  
 P.O. Number :  
 Account :PEO

## CERTIFICATE OF ANALYSIS A9911528

SAMPLE	PREP CODE		Ba	Ce	Cs	Co	Cu	Dy	Er	Eu	Gd	Ga	Hf	Ho	La	Pb	Lu	Nd	Ni	Nb	Pr
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
48640	299	297	270	20.5	0.3	4.5	15	3.3	2.1	1.2	3.7	9	1	0.7	14.0	25	0.3	15.5	20	3	3.7
48641	299	297	338	27.0	0.6	137.0	850	4.5	2.5	1.7	4.4	23	2	0.9	11.5	5	0.4	17.0	80	3	4.0

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
NANAIMO, BC  
V9R 5K1

Project :  
Comments:

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 08-FEB-1995  
Invoice No. : 19911528  
P.O. Number :  
Account : PEO

## CERTIFICATE OF ANALYSIS A9911528

SAMPLE	PREP CODE		Rb	Sm	Ag	Sr	Ta	Tb	Tl	Th	Tm	Sn	W	U	V	Yb	Y	Zn	Zr
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
48640	299	297	27.8	3.4	< 1	359	< 0.5	0.7	< 0.5	1	0.3	< 1	< 1	18.0	70	2.1	22.0	90	76.5
48641	299	297	36.2	4.1	< 1	319	< 0.5	0.7	< 0.5	1	0.4	1	< 1	0.5	245	2.3	22.5	185	72.0

CERTIFICATION: 



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY  
NANAIMO, BC  
V9R 5K1

Project :  
Comments:

Page Number : 1  
Total Pages : 1  
Certificate Date: 11-MAR-1999  
Invoice No. : 19912677  
P.O. Number :  
Account : PEO

## CERTIFICATE OF ANALYSIS

A9912677

SAMPLE	PREP CODE	Graphit %									
48640	244 --	2.83									



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

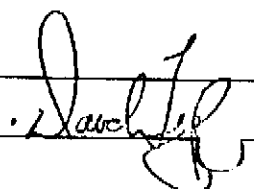
To: SPECOGNA, EFREM  
 1704 CENTENARY ROAD  
 NANAIMO, BC  
 V9R 5K1

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 19-JUL-1999  
 Invoice No. : 19922048  
 P.O. Number :  
 Account : PEO

Project :  
 Comments: ATTN: EFREM SPECOGNA

## CERTIFICATE OF ANALYSIS A9922048

SAMPLE	PREP CODE		Au	Pt	Pd	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	
	AFS	AFS	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	
318	205	226	10	< 5	14	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
319	205	226	< 2	< 5	< 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
320	205	226	< 2	< 5	< 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48642	205	226	< 2	< 5	< 2	0.6	2.18	8	< 10	10	< 0.5	< 2	1.83	< 0.5	52	96	1070	4.54	< 10	< 1	0.05	
48643	205	226	6	< 5	4	1.6	3.30	12	< 10	< 10	< 0.5	< 2	3.44	< 0.5	109	146	4450	7.31	10	< 1	0.04	
48644	205	226	< 2	< 5	6	0.8	1.03	10	< 10	< 10	< 0.5	< 2	1.14	< 0.5	66	172	1910	3.91	< 10	< 1	0.04	
48645	205	226	18	< 5	2	1.8	1.95	24	< 10	< 10	< 0.5	< 2	1.40	< 0.5	115	163	4320	7.55	< 10	< 1	< 0.01	
48646	205	226	< 2	< 5	< 2	0.2	4.61	24	< 10	30	< 0.5	< 2	2.13	< 0.5	69	21	968	9.24	10	< 1	0.11	
48647	205	226	10	< 5	< 2	< 0.2	0.37	< 2	< 10	< 10	< 0.5	< 2	0.19	< 0.5	5	227	90	1.21	< 10	< 1	< 0.01	
48648	205	226	< 2	< 5	< 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48649	205	226	< 2	< 5	< 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48650	205	226	14	< 5	< 2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: 



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY ROAD  
 NANAIMO, BC  
 V9R 5K1

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 19-JUL-1999  
 Invoice No. : I9922048  
 P.O. Number :  
 Account : PEO

Project :  
 Comments: ATTN: EFREM SPECOGNA

## CERTIFICATE OF ANALYSIS A9922048

SAMPLE	PREP CODE		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn	
			ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
318	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
319	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
320	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48642	205	226	< 10	0.51	230	3	0.19	41	560	< 2	1.77	< 2	3	25	0.11	< 10	< 10	39	< 10	34	
48643	205	226	< 10	0.30	190	4	0.05	83	180	2	4.47	< 2	2	11	0.06	< 10	< 10	39	< 10	34	
48644	205	226	< 10	0.30	190	27	0.08	56	320	< 2	2.06	< 2	4	7	0.12	< 10	< 10	55	< 10	26	
48645	205	226	< 10	0.41	210	5	0.01	71	360	< 2	>5.00	< 2	3	14	0.06	< 10	< 10	55	< 10	42	
48646	205	226	< 10	1.55	440	3	0.09	42	780	< 2	2.48	< 2	8	70	0.20	< 10	< 10	175	< 10	158	
48647	205	226	< 10	0.14	50	1	< 0.01	8	20	2	0.16	< 2	< 1	2	0.01	< 10	< 10	19	< 10	12	
48648	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48649	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48650	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY ROAD  
 NANAIMO, BC  
 V9R 5K1

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 21-SEP-1999  
 Invoice No. : 19926889  
 P.O. Number :  
 Account : PEO

Project :

Comments: ATTN: EFREM SPECOGNA

## CERTIFICATE OF ANALYSIS

A9926889

SAMPLE	PREP CODE		Au	Pt	Pd	Ba	Ce	Cs	Co	Cu	Dy	Er	Eu	Gd	Ga	Hf	Ho	La	Pb	Lu	Nd
			ppb AFS	ppb AFS	ppb AFS	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LAMP 1	208	226	2	< 5	2	259	16.0	0.6	72.5	30	1.4	0.8	0.5	1.7	10	< 1	0.2	8.0	< 5	0.1	7.5
LAMP 2	208	226	4	< 5	4	110.5	9.0	0.4	95.0	10	1.4	0.8	0.3	1.5	7	< 1	0.2	4.5	< 5	0.1	4.5

CERTIFICATION:



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, EFREM

1704 CENTENARY ROAD  
 NANAIMO, BC  
 V9R 5K1

Project :

Comments: ATTN: EFREM SPECOGNA

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 21-SEP-1999  
 Invoice No. : I9926889  
 P.O. Number :  
 Account : PEO

## CERTIFICATE OF ANALYSIS

### A9926889

SAMPLE	PREP CODE		Ni	Nb	Pr	Rb	Sm	Ag	Sr	Ta	Tb	Tl	Th	Tm	Sn	W	U	V	Yb	Y	Zn
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LAMP 1	208	226	370	2	1.9	24.0	1.6	< 1	263	< 0.5	0.2	< 0.5	1	0.1	< 1	< 1	0.5	80	0.7	8.0	60
LAMP 2	208	226	790	< 1	1.1	9.8	1.2	< 1	137.5	< 0.5	0.2	< 0.5	< 1	0.1	< 1	< 1	< 0.5	80	1.0	8.0	75

CERTIFICATION: \_\_\_\_\_

GEOCHEMICAL ANALYSIS CERTIFICATE



Specogna Mineral Corporation PROJECT LAMPROP File # 9903458

1704 Centenary Drive, Nanaimo BC V9X 1A3 Submitted by: E. Specogna

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	Au**	Pt**	Pd**	
	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	ppb	ppb	ppb
B 48600	2	10	<5	37	<.5	135	24	918	4.74	9	<10	<4	<2	203	1.7	<5	<5	117	2.72	.046	15	474	3.75	241	.28	4.76	1.25	.66	<4	19	<2	11	4	1	17	1	12	3	

GROUP 1E - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCl-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS.  
- SAMPLE TYPE: MOSS MAT AU\*\* PT\*\* PD\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)

DATE RECEIVED: SEP 16 1999 DATE REPORT MAILED: *Sept 27/99* SIGNED BY: *C. Leong* .D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS





GEOCHEMICAL ANALYSIS CERTIFICATE



Specogna Mineral Corporation PROJECT LAMPROP File # 9903457  
1704 Centenary Drive, Nanaimo BC V9X 1A3 Submitted by: E. Specogna

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Sn	Y	Nb	Be	Sc	Au**	Pt**	Pd**
	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	ppb	ppb	ppb
B 48200	3	35	<5	80	<.5	563	86	1371	8.74	12	<10	<4	<2	93	4.3	<5	<5	102	2.38	.025	11	2116	13.43	13	.19	4.49	.67	.13	<4	20	<2	5	4	<1	13	2	3	2

GROUP 1E - 0.25 GM SAMPLE DIGESTED WITH HClO4-HNO3-HCl-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS.  
- SAMPLE TYPE: ROCK AU\*\* PT\*\* PD\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)

DATE RECEIVED: SEP 16 1999 DATE REPORT MAILED: *Sept 27/99* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

WHOLE ROCK ICP ANALYSIS

Specogna Mineral Corporation PROJECT LAMPROP File # 9903457R

1704 Centenary Drive, Nanaimo BC V9X 1A3 Submitted by: E. Specogna



SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	C/TOT	S/TOT	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%
B 48200	38.93	9.36	14.46	24.45	3.90	.73	.11	.36	.09	.20	.322	31	559	96	24	<10	<10	13	7.0	.35	<.01	100.00

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.  
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)  
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: OCT 5 1999 DATE REPORT MAILED: *Oct 16/99* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Specogna Mineral Corporation File # 9903941  
1704 Centenary Drive, Nanaimo BC V9X 1A3 Submitted by: Efrem Specogna

AMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Au**	Pt**	Pd**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppm	ppb	ppb	ppb
23	15	8736	13	88	6.4	507	1463	325	8.65	133	<8	<2	<2	62	3.9	<3	3	51	.97	.022	<1	126	.93	15	.13	4	1.29	.02	.01	8	<5	<1	39	5	14
24	4	4119	11	33	.9	368	398	134	18.43	6	9	<2	<2	173	1.5	<3	<3	31	2.92	.012	1	18	.18	59	.06	<3	4.36	.62	.09	4	<5	1	29	6	19
25	5	2353	6	26	.4	1333	337	86	15.67	<2	<8	<2	<2	23	.4	<3	<3	10	1.46	.018	1	43	.33	15	.01	<3	1.55	.03	.09	2	<5	<1	19	5	12
26	2	1109	<3	53	<.3	57	57	324	5.62	10	<8	<2	2	11	.4	<3	<3	154	1.54	.063	6	77	.37	17	.13	3	1.87	.07	.02	4	<5	1	3	3	8
27	2	137	3	74	<.3	10	16	204	4.99	2	<8	<2	3	6	.3	<3	<3	183	.04	.001	15	24	.15	83	.31	<3	2.19	.02	1.24	2	<5	1	2	<1	<1
28	<1	222	3	89	.3	13	60	1065	11.09	<2	<8	<2	<2	66	.9	<3	<3	242	2.16	.558	6	8	4.46	42	.17	3	4.59	.01	.04	<2	<5	1	7	<1	1
E 328	<1	220	4	88	<.3	12	61	1049	10.89	<2	<8	<2	<2	65	1.0	<3	<3	238	2.12	.545	6	10	4.38	41	.17	3	4.54	.01	.04	2	<5	<1	6	<1	<1
TANDARD C3/FA100	26	69	39	188	6.1	37	13	843	3.53	56	23	3	22	31	26.4	20	23	82	.62	.095	19	172	.65	155	.09	22	2.05	.04	.17	17	<5	2	48	48	48
TANDARD G-2	1	4	4	44	<.3	7	4	548	2.02	4	<8	<2	4	70	.7	<3	<3	39	.64	.096	8	79	.60	221	.12	4	.95	.07	.49	2	<5	1	-	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.  
UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\*\* PT\*\* & PD\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP.  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 15 1999 DATE REPORT MAILED:

*Oct 21/99*

SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

**SAMPLE R00:12015 (Dragon).**

Phenocrysts and microphenocrysts of plagioclase in the 1 - 3 mm size range are composed of plagioclase feldspars. They tend to be lath shaped. Also, phenocrysts of quartz of the same size are equant in outline. These crystals are set in a matrix of extremely fine grained sutured silicates (quartz and potash? feldspar) that demonstrate some flow like textures as demonstrated by semi-continuous trails of green-brown biotite.

The rock is a flowed quartz-feldspar microporphyry of rhyolitic to dacitic composition.

Yours truly,



J.A. McLeod, M.A.Sc., P.Eng.  
Manager, Exploration Technical Services  
E.R.L.

According to letterature similar rocks are associated with most of the Major massive sulphides deposits in eastern Canada.

A road recently build exposed this formation over a length of five hundred meters but can be seen intermittently over two thousand meters along the east west fault.

It is now evident that SEVERAL mafic and felsic sequences occured on the DRAGON RANGE.



GEOCHEMICAL ANALYSIS CERTIFICATE

Specogna Mineral Corporation File # 97-6274R

1704 Centenary Drive, Nanaimo BC V9X 1A3

SAMPLE#	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	
	PPB	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	%	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
B 48378	6	<5	3	<50	<1	5	35	92	<1	10.20	3	<1	<5	<1	1.65	<20	<15	.3	29	<3	<.01	<.05	1	1.2	<.5	<1	252	10	20	15	4.0	1.3	1.0	2.7	<.50	
B 48379	18	<5	24	<50	<1	<1	30	<5	<1	11.80	8	14	<5	<1	.53	<20	25	54.0	33	<3	<.01	<.05	2	2.4	<.5	3	119	26	54	29	9.9	2.7	1.8	6.2	.94	
B 48380	18	<5	56	<50	<1	<1	30	14	<1	12.80	8	35	<5	<1	.16	<20	55	170.0	33	6	<.01	<.05	2	2.3	<.5	<1	217	25	53	28	10.0	3.2	2.4	6.7	1.10	
B 48381	<2	<5	38	<50	<1	<1	28	<5	<1	11.00	8	32	<5	<1	.88	<20	<15	100.0	33	<3	<.01	<.05	1	2.9	<.5	<1	138	24	51	27	9.5	2.8	2.1	6.0	.95	
B 48382	17	<5	6	<50	<1	3	25	13	<1	10.80	8	<1	<5	<1	1.42	<20	<15	4.7	21	<3	<.01	<.05	2	2.4	<.5	<1	155	28	56	33	11.0	3.1	2.4	6.5	.93	
B 48383	11	<5	5	<50	<1	6	30	12	<1	11.00	6	<1	<5	<1	1.29	<20	<15	1.6	27	<3	<.01	<.05	2	2.2	<.5	<1	186	21	43	22	8.1	2.4	1.4	5.1	.78	

ANALYSED BY NEUTRON ACTIVATION FROM ACTIVATION LABORATORIES (ANCASTER, ON).  
 - SAMPLE TYPE: ROCK PULP

DATE RECEIVED: NOV 12 1997 DATE REPORT MAILED: *Dec 1/97* SIGNED BY: *C. Leong* .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, E.

1704 CENTENARY  
NANAIMO, BC  
V9X 1A3

Project :

Comments: ATTN: EFREM SPECOGNA

Page Number :1-B

Total Pages :1

Certificate Date: 10-MAR-9

Invoice No. :19813670

P.O. Number :

Account :PEO

## CERTIFICATE OF ANALYSIS

A9813670

SAMPLE	PREP CODE		Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
48388	225	229	1.14	1535	1	0.03	7	1340	8	< 2	27	71	0.05	< 10	< 10	96	< 10	130
48389	225	229	1.00	1365	< 1	0.04	9	2390	8	< 2	22	65	0.05	< 10	< 10	113	< 10	124
48390	225	229	0.74	1045	1	0.02	7	920	< 2	2	19	48	0.06	< 10	< 10	278	< 10	98

CERTIFICATION:

*Handwritten signature*



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To: SPECOGNA, E.

1704 CENTENARY  
NANAIMO, BC  
V9X 1A3

Project :  
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Page Number : 1-A  
Total Pages : 1  
Certificate Date: 10-MAR-98  
Invoice No. : 19813670  
P.O. Number :  
Account : PEO

## CERTIFICATE OF ANALYSIS A9813670

SAMPLE	PREP CODE		Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
	AFS	AFS	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm
48388	225	229	28	< 5	72	0.4	1.92	< 2	40	0.5	< 2	2.73	< 0.5	30	14	1035	8.24	10	80	0.06	10
48389	225	229	52	< 5	74	0.4	1.82	4	40	0.5	< 2	2.69	< 0.5	28	33	1215	8.59	10	100	0.07	10
48390	225	229	34	< 5	100	0.6	1.39	< 2	20	0.5	< 2	1.71	< 0.5	22	84	788	14.85	10	50	0.04	< 10

CERTIFICATION: [Signature]



## GEOCHEMICAL ICP ANALYSIS



Specogna Mineral Corporation File # 97-6960

1704 Centenary Drive, Nanaimo BC V9X 1A3

SAMPLE#	As ppm	Sb ppm	Bi ppm	Ge ppm	Se ppm	Te ppm	Au** ppb	Pt** ppb	Pd** ppb	Rh** ppb	SAMPLE gm
B 48163	1.1	1.5	.2	<.1	<.1	<.2	22	2	86	<1	1350

.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.

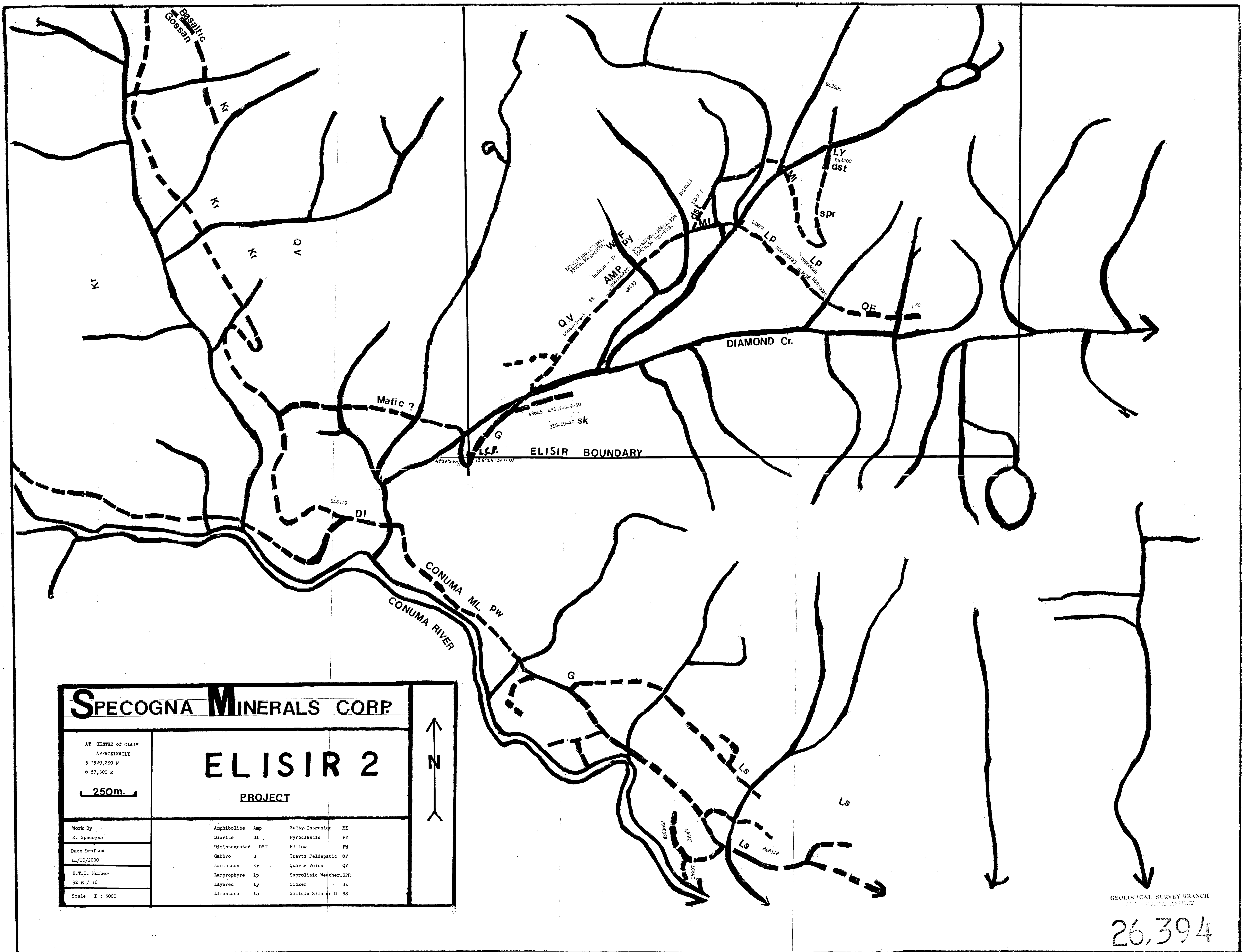
ANALYSIS BY HYDRIDE ICP. GE - PARTIAL LEACHED. -

- SAMPLE TYPE: ROCK AU\*\* PT\*\* PD\*\* & RH\*\* ANALYSIS BY ULTRA/ICP FROM 30 GM SAMPLE.

DATE RECEIVED: NOV 28 1997 DATE REPORT MAILED: *Dec 5/97* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS





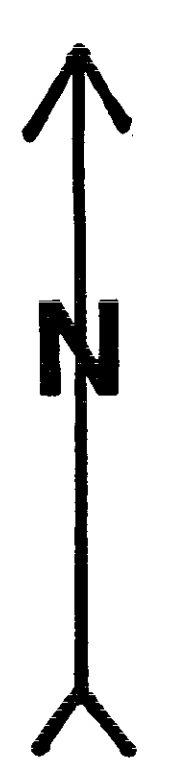


**SPECOGNA MINERALS CORP.**

AT CENTRE OF CLAIM  
APPROXIMATELY  
5 1529,250 N  
6 87,500 E

250m

**ELISIR 2**  
PROJECT



Work By E. Spengna	Amphibolite Diorite Disintegrated Gabbro Karmutsen Lamprophyre Layered Limestone	Amp DI DST G Kr Lp Ly La	Multy Intrusion Pyroclastic Pillow Quartz Feldspatic Quartz Veins Saprolitic Weather. Slicker Silicic Silts or D	MI PY PW QP QV SPR SK SS
Date Drafted 14/10/2000				
N.T.S. Number 92 E / 16				
Scale 1 : 5000				

GEOLOGICAL SURVEY BRANCH  
MINING REPORT

26,394



## GEOCHEMICAL/ASSAY CERTIFICATE

Specogna Mineral Corporation File # 92-1447

1704 Centenary Drive R.R., Nanaimo BC V9R 5K1



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** oz/t
B 48052	1	9	2	29	.1	9	9	342	3.49	6	5	ND	2	9	.2	2	2	23	.13	.027	4	8	.79	50	.02	2	1.01	.15	.20	1	.001
B 48053	50	92	7	58	1.1	9	20	522	3.38	3	7	ND	5	4	.2	5	2	66	.25	.057	4	7	.93	79	.16	3	1.49	.10	.35	1	.003
B 48054	2	12	5	149	.3	3	1	291	1.39	5	6	ND	7	3	.4	2	2	3	.08	.011	19	4	.06	61	.08	2	.60	.04	.43	2	.001
RE B 48056	1	107	4	78	.6	21	30	872	7.11	5	5	ND	1	48	.6	2	2	180	2.51	.076	2	18	1.88	30	.16	2	5.25	.73	.63	1	.001
B 48055	33	119	44	559	1.8	24	26	399	5.45	19	5	ND	1	8	5.0	2	3	39	.40	.062	2	24	.35	45	.05	2	1.11	.05	.52	1	.002
B 48056	1	112	6	83	.7	23	31	886	7.26	4	5	ND	1	48	.4	2	3	184	2.56	.078	2	19	1.93	31	.17	2	5.33	.75	.65	1	.001
B 48057	1	94	4	26	.1	11	37	325	3.80	2	5	ND	1	19	.2	2	2	40	.49	.014	2	5	.39	22	.06	2	.86	.09	.11	1	.001
B 48058	50	26	6	1809	.4	9	4	97	1.04	2	5	ND	1	1-22.6	2	2	2	4	.05	.004	2	16	.04	4	.01	2	.15	.01	.05	2	.001
B 48059	121	97	52	118	3.0	24	37	383	5.14	6	5	ND	1	17	.7	2	2	25	.88	.028	2	31	.26	13	.04	2	1.28	.08	.17	2	.001
B 48060	1	2298	14	51	6.5	4270	870	241	38.91	2	5	ND	2	1	.3	2	9	46	.09	.009	2	756	.48	5	.04	2	.72	.01	.05	2	.006

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPB. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 \* SAMPLE TYPE: ROCK AU\*\* BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: JUN 15 1992 DATE REPORT MAILED: June 19/92 SIGNED BY: C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS



## GEOCHEM PRECIOUS METALS ANALYSIS

Specogna Mineral Corporation File # 92-1447R



SAMPLE#	Pt** ppb
B 48060	399

10 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/GRAPHITE FURNACE.

D B.C. ASSAYERS

DAT

SAMPLE R00:00226 (Ni Cr Anomaly).

An extensively altered rock has what appears to be crystals of amphibole developed throughout. The rock is a fine grained mixture of tremolite and chlorite with the possibility of talc. The rock is thought to be an altered ultramafic.



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, E.

1704 CENTENARY  
 NANAIMO, BC  
 V9X 1A3

Project:

Comments: ATTN: EFREM SPECOGNA

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 22-AUG-  
 Invoice No. : 1982807  
 P.O. Number :  
 Account : PEO

## CERTIFICATE OF ANALYSIS

### A9828073

SAMPLE	PREP CODE		Au	Pt	Pd	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
	AFS	AFS	ppb	ppb	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppb	%	ppm
48049	205	226	4	5	18	< 0.2	4.88	6	60	< 0.5	< 2	2.73	< 0.5	81	33	984	4.21	< 10	< 10	0.10	< 10
48099	205	226	< 2	30	94	< 0.2	2.59	< 2	20	< 0.5	< 2	0.35	< 0.5	68	1275	187	4.74	< 10	< 10	0.04	< 10
48100	205	226	< 2	10	16	< 0.2	5.35	8	80	< 0.5	< 2	3.59	< 0.5	16	47	184	1.82	< 10	< 10	0.07	< 10

CERTIFICATION: *Hart R. P. Dea*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: SPECOGNA, E.

1704 CENTENARY  
 NANAIMO, BC  
 V9X 1A3

Project :  
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 Account : PEO

## CERTIFICATE OF ANALYSIS

### A9828073

SAMPLE	PREP CODE		Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
48049	205	226	1.63	145	4	0.37	243	230	< 2	4	3	201	0.10	< 10	< 10	42	< 10	22
48099	205	226	5.22	190	1	0.01	744	120	< 2	< 2	4	5	0.06	< 10	< 10	65	< 10	52
48100	205	226	0.36	95	2	0.76	40	510	< 2	< 2	1	171	0.15	< 10	< 10	36	< 10	20

CERTIFICATION: *Hart R. ...*



## WHOLE ROCK ICP ANALYSIS



Specogna Mineral Corporation File # 97-0893

Page 2

1704 Centenary Drive, Nanaimo BC V9X 1A3

SAMPLE#	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	SUM
	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
B 48549	75.95	14.01	1.28	.52	.17	.47	3.99	.33	.13	.02	.004	961	<20	39	148	15	<10	<10	1.4	98.41
B 48550	35.29	18.24	18.47	14.97	6.90	.77	.40	1.05	.13	.36	.025	41	574	143	88	25	<10	38	2.1	98.82
RE B 48550	35.48	18.24	18.48	15.08	6.91	.76	.39	1.04	.15	.36	.025	40	590	143	62	24	<10	38	1.9	98.93

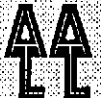
.200 GRAM SAMPLES ARE FUSED WITH 1.5 GRAM OF LiBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3. OTHER METALS ARE SUM AS OXIDES.

- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: FEB 27 1997 DATE REPORT MAILED: *Mar 11/97* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL/ASSAY CERTIFICATE



Specogna Mineral Corporation File # 97-2685

1704 Centenary Drive, Nanaimo BC V9X 1A3

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** oz/t
B 48318	<1	7	6	46	<.3	4	1	254	1.32	<2	<5	<2	<2	60	.2	<2	<2	15	4.26	.030	4	8	.10	10	.10	10	3.31	.08	.04	215	<.001
B 48319	<1	13	3	23	.3	10	7	248	1.66	2053	<5	<2	2	231	.2	6	<2	13	14.69	.027	4	10	.25	14	.04	75	1.62	.03	.07	6	.008
B 48320	7	14	<3	38	<.3	18	4	288	2.35	4	<5	<2	<2	103	1.2	<2	<2	8	20.19	.013	3	8	.02	7	.05	6	.66	.04	.02	2	<.001
B 48321	1	173	<3	53	<.3	45	21	399	3.77	7	<5	<2	<2	16	.3	<2	<2	124	3.11	.062	4	48	1.16	15	.35	<3	2.80	.10	.04	2	<.001
B 48322	2	368	<3	81	.4	38	31	537	5.58	6	<5	<2	2	36	.5	<2	4	108	.88	.036	4	62	.92	45	.28	3	1.90	.11	.14	3	<.001
B 48323	967	361	4	8	<.3	26	33	38	2.87	<2	<5	<2	<2	3	<.2	2	<2	5	.11	.001	1	17	.04	11	.01	5	.13	.01	<.01	5	<.001
B 48324	408	791	<3	49	.6	20	15	72	2.10	<2	<5	<2	<2	4	1.0	<2	<2	12	.68	.004	<1	29	.08	15	.03	3	.55	.01	.01	8	<.001
B 48325	100	696	<3	31	.4	76	59	158	7.24	3	<5	<2	<2	4	.3	2	<2	43	1.21	.029	1	35	.33	12	.09	<3	.99	.02	.02	6	<.001
RE B 48325	102	698	<3	32	.4	80	58	155	7.20	4	<5	<2	<2	4	<.2	<2	7	43	1.19	.030	1	36	.32	9	.09	<3	.99	.02	.02	5	<.001
B 48326	839	672	<3	32	.4	76	54	274	5.29	<2	<5	<2	<2	34	<.2	<2	3	85	1.97	.039	2	39	.74	13	.28	3	2.31	.24	.04	3	<.001
B 48327	4158	837	<3	56	.6	58	52	237	7.42	<2	<5	<2	<2	21	<.2	<2	4	70	1.04	.025	1	49	.63	6	.17	<3	1.52	.13	.02	4	<.001
B 48328	20	831	3	25	.5	29	24	164	3.41	2	<5	<2	<2	5	.2	2	<2	36	1.50	.013	1	30	.43	6	.14	<3	1.18	.01	<.01	6	<.001

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK AU\*\* BY FIRE ASSAY FROM 1 A.T. SAMPLE.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 6 1997 DATE REPORT MAILED: *June 16/97* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOLOGICAL SURVEY BRANCH  
ANALYTICAL REPORT

26.394





26.394

