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PROSPECTING, GEOCHEMICAL

AND GEOPHYSICAL

ASSESSMENT REPORT ON THE

SOPHIA GROUP

ROSSLAND, BRITISH COLUMBIA

Trail Creek Mining Division NTS: 82 F/4W Latitude: 49° 02' 20" North Longitude: 117° 52' 30" West GEOLOGICAL BRANCH SSESSMENT REPORT

Owner	Tom Lewis
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Operator:	Rossland, B.C.
•	V0G 1Y0

Author: Tom Lewis BSc.

March 18, 1991

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SUMMARY

The LLL claims are situated approximately seven kilometres southwest of the town of Rossland, in the Province of British Columbia. These claims are underlain by Jurassic Rossland Group sediments, and volcanics; by ultramafics of unknown age; and are intruded by a number of felsic Coryell equivalent Eocene intrusives. The property has been the site of a great deal of exploration activity in the past twenty years, and a number of areas have been previously noted as being geophysically, and geochemically anomalous.

During the period July 07 - Nov 10 1990 a program of prospecting, infill geochemistry, and Vlf-em geophysics was conducted on the property. The program was designed to better define anomalies which were already outlined in previous work by various parties on the property, as well as to search for previously undiscovered mineralization. In all 132 soil samples were taken, as well as 18 rock samples. In addition 1.4 kilometres of Vlf - em survey were undertaken.

This report details the results of the work undertaken, and makes recommendations for a further work program of two shallow drillholes to test two geochemical, and/or geophysical anomalies.

LOCATION AND ACCESS

The property is located approximately seven kilometres southwest of the town of Rossland, in the West Kootenay district of British Columbia, as displayed on NTS map sheet 82F/4(Fig 1). The property is roughly bounded on the north, and the west by the old Cascade Highway which runs between Rossland, and the Sheep



Creek valley. Access is made onto the property, by the aforementioned highway, which is open year round, and by several other power, and gas line service roads, which are passable by four wheel drive from April until November. There is also a four wheel drive road which passes within a hundred metres of the southeastern most portions of the property, which can be accessed via highway #22.

The claims are all within the Sophia Creek drainage, between Sophia Mountain to the west, and Ivanhoe Ridge to the east. The highest elevation on the claims is in the order of 4700 ft. A.S.L., while the lowest is approximately 3100 ft. A.S.L. The geographical heart of the claim area is at 49° 02' 20" North lattitude and 117° 52' 30" West longitude. The claim area is characterized as being one of moderate slope, except for an occasional steep, but short scarp.

VEGETATION AND CLIMATE

The forest cover in the claim area is of a mixed coniferous nature, with Cedar, Fir, and Larch being the most prevailant tree species. Poplar groves are common on the eastern portions of the claim block. Spacing between trees is guite wide, but, undergrowth of Alders can be thick, especially in the proximity of Sophia creek, and its' tributaries.

The climate of the area is typified as being moderate, with warm dry summers, and cool winters, when a great deal of precipitation may occur in the form of snowfall. The property would be free of snow cover most likely from the period of mid -May to mid - November in most years.

PROPERTY

The property consists of twelve - two post mineral claims staked on December 30th 1989(Fig 2). Four claims are less than a full unit in size, due to common boundaries with pre - existing mineral claims in the area.

> TABLE I MINERAL CLAIMS

Claim	Record	Date	Mini	ng	Expiry Date						
	Number	Recorded	Distr	ict	(pending approva of this report)						
LLL1	1369	12/30/90	Trail	Creek	Dec. 30, 1993						
LLL2	1370	н	71	**	17						
LLL3	1371	н	₽1	**	**						
LLL4	1372	11	**	t e	11						
LLL5	1473	11	# 7	••	11						
LLL6	1474	**	17	17	н						
LLL7	1475	11	**	**	н						
LLL8	1476	**	н	н	11						
LLL9	1477	0		R	11						
LLL10	1478	**	н	†1	#1						
LLL11	1479	"	II-		31						
LLL12	1480	**		**	24						

HISTORY

The Rossland Camp has a long history of mineral exploration, and production. The first claim staked in the area was the Lily May in 1887, which was later restaked in 1889. While doing work on this claim in 1890 Bourgeois, and Morris staked several claims on the gossanous outcrops on the southerly lower slopes of Red Mountain, which were later to become the most fabulously rich producing claims in the Camp. Development of the camp was rapid, and by 1895 the population of the Camp was in the order of 3,000 people. By 1896 a full fledged boom was on.

Despite a number of setbacks production was steadily underway by the turn of the century, and continued uninterupted



into the 1920's. The mines of Red Mountain, were by and far the premiere producers of the Camp. Also of note were the mines of Monte Cristo, and Columbia- Kootenay mountain; the South Belt mines, where gold was produced associated, with lead - zinc mineralization; the Crown Point area where production was low, but, where mineralization was almost identical to the deposits on Red Mountain, several kilometres to the North west; and finally the Velvet - Portland mines area on the west slopes of Sophia Mountain.

In all the Camp produced some 3,000,000 ounces of gold, and roughly the same amount of silver, in addition to well over 100,000,000 pounds of copper.

To the west of the claim block the claims on which the Velvet-Portland mine is located, were staked in 1896, and work was commenced on them almost immediately. The mine was worked intermittently from 1901 - 1942, and then was the scene of renewed activity from 1954 -1962. In all 91,084 tons of ore have been shipped from the property, which returned 19,744 oz Au, 20,195 oz Ag, 1,224 tons Cu(M of M's 1901-1962).

To the east of the claim block, the O.K., IXL, and the Midnight claims have produced roughly 10,000 tons of ore, which have returned 33,000 oz Au, 13,000 oz Ag, and 20,000 lbs of Cu(M of M's 1898-1962). This high grade deposit is of special note due to the geology of this mine area, and that of the subject claim block being analogous.

The claim area itself has been the site of a good deal of activity over the years, as evidenced by the number of old trenches to be found on the property. Also, there is a caved-in

shaft on the property of undeterminable depth. The writer could not find any record of work done on the property prior to 1960.

In the past twenty years the area as received a fair amount of attention. In the early 70's the area was staked by G. Addie who conducted exploration for PGE mineralization, which met with only limited success. The area was then staked by Morrison in 1978 who prospected, then conducted geological, and geochemical surveys in the area, followed by trenching, which uncovered a significant mineralized zone in the ultramafics. The property was then optioned off to Noranda who conducted geological, geochemical, and geophysical(IP,Maq,Hlem) surveys over a portion of the claim area. Noranda then conducted some trenching which was not particularily successful. Noranda allowed their option to drop, and an option agreement was then entered into with Sidon International Resources Corp. Sidon conducted geochemical, and geophysical surveys over the areas earlier covered by Noranda, and Morrison, as well as areas further to the south, and to the east, in the claim block.

GEOLOGY

The claim area straddles the northeasterly striking contact between a large body of ultramafic rocks, of probable Cretaceous age, and Andesites of the Rossland group of the Lower Jurassic(Fig 3). Locally these rocks are reported to be intruded by various dykes, and other smaller bodies of Eocene aged Coryell monzonite, and syenite(Assmt reports 10,799 & 13,421). Also a porphyritic quartz diorite body, which is surrounded by the ultrabasics has been mapped by both Morrison, and Noranda.



Serpentinite is the dominant ultramafic lithology in the area, however several different authors have identified both peridotite, and dunite in the Rossland camp, hence it is possible that all three may occur within the claim area. The relationship Between the ultramafics, and all other rocks is presently unknown.

PROSPECTING

Six days were spent prospecting(Fig 4) on the property, in the search for new mineral showings, and to follow up any leads from previous published work on the claim area. The grid that was put in by Sidon International(Assmt report #17,346) was utilized for traverses, as it was still in reasonably good shape. All previously known showings were visited, as were all geophysical, and geochemically anomalous areas. In all 18 rock, and three special soil samples were taken, none of which returned significant precious, or base metals.

GEOCHEMICAL SURVEY

An infill geochemical survey was conducted on select portions of the already established Sidon grid, to augment, and also to valididate previously detected geochemical anomalies (Assmt report #17,346). The survey(Fig's 5 - 8) concentrated on two main areas:

 The eastern central portion of the claim block where a strong base metals geochemical response had been noted.

2) The south western portion of the claim block where

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S Sample Location & RBmder ≺ Trench ■ Shaft	LLE CLAINS
SCALE	PROSPECTING MAP
100M	Fig. 4
	Dec. 1990

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scattered anomalous gold values occured.

On the south western portion it was hoped that with infill work a pattern of anomalous gold values would be outlined, coinciding with economic gold mineralization in local rocks. Especially as this area is in the locale of a felsic intrusive it was felt that it represented a good "hunting ground". However, the gold distribution in soils within the infill area was sporadic(Fig 5).

In the eastern portion of the claim block the infill program was successful in better outlining the shape of the previously known anomaly, as well as confirming its' validity as a bona fide exploration target(Fig's 6,7,8).

Standard industry practices were followed in the conduct of the soil geochemistry survey, with all samples being shipped to Barringer Laboratories in Calgary, or Acme Analytical Laboratories in Vancouver for analyses.

GEOPHYSICAL SURVEY

A 1.4 km geophysical Vlf - em survey was conducted over the eastern anomaly(Assmt report #17,346) to give it better definition(Fig's 9 & 10). Readings were taken at intervals of 12.5 metres, on lines which were 50 metres apart, in an effort to increase the resolution of the anomaly first noted in the above A Geonics Vlf - em Model Eml6 receiver was used(Serial report. #14802) for the survey, utilizing the Seattle station as a transmitter. All readings were taken facing westerly. The inphase data thus gained was then Fraser filtered(Fraser 1969) to render it into a contourable form.

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AU GEOCREMICAL SURVEY Map
<u>_Fig. 5</u> Dec. 1990

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x Sample Location x200 Assay Result Contour Line	LLL CLAIMS EASTERN ANOMALY
SCALE STALE 25M	In(ppm) Geochemical Survey Map <u>Fig. 5.</u> Doc. 1990



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x – Sample Location x22 Assay Result ⊷⊷ Contour Line	LLE CLAIMS EASTERN ANOMALY
X X 25M	Pb(ppm) GEOCHEMICAL SURVEY NAP Fig. 7 Dec. 1990

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LLL CLAIMS
EASTERN ANOMALY
Cu(ppm)
GEOCHEMICAL SURVEY
MAP
Fig. 8
Bec. 1990

RESULTS

Prospecting failed to discover any new, and significant mineralization on the property. Several old trenches were located, and sampled, but, nothing of real interest was found. The eastern most trench on L111+00N was found where the earlier soil survey(Assmt Report #17,346) had disclosed a multi-element anomaly. This trench was found to be in siltstones, which contained disseminated sulphides, but which did not contain significant concentrations of base or precious metals. In all approximately 25 kilometres of flagged line were traversed.

The Geochemical survey in the southwestern portion of the claim block did not outline any conistent, and meaningful pattern of gold mineralization in this area. There are a few spot highs, the highest of which is 60 ppm, but, further infill work in this area failed to produce further results of any interest, hence little value is placed on this portion of the claim area.

Infill work on the eastern anomaly was successful in fully areal extent of the earlier(report 17,346) defining the discovered anomaly. The three element(Cu,Pb,Zn) anomalous area appears to be confined to the area between L's 110+00N to 111+50N and from between 61+00 to 62+50E. The peak concentrations of these three elements do not occur at coincidental locations, but the anomaly contours on the Zinc geochem map(Fig 6) contains the locations of the peak concentrations of both Lead, and Copper. The concentrations of Lead and Zinc in the soils in this area indicate that these minerals probably do not occur in economic guantities. However, they may be important pathfinders to deposits similar to the IXL, or the Velvet - Portland where minor



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Filtered Data
Plotting Location
Contour Line





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. Reading Location

20 In Phase

. 10 - Out of Phase

LLE ELAIMS EACTERN ANOMALY
V1f - em Georwysical Survey Nap
Fig 10
Dec. 1990



25%

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amounts of these minerals were produced along with precious metals.

The Vlf - em survey over the eastern area produced a good clear image of conductor strike, and attitude(Fig 9). It appears that there are three conductors of consequence located in this One of these which strikes southwesterly, appears to have area. junction with a northeasterly striking conductor at 61+80E on а line 111+00N. The peak response from these two conductors occurs at this junction, and it appears that the southern most terminus of both of these conductors occurs slightly to the south of this point. The resultant unified conductor appears to dip steeply to the west. The other conductor in this area exhibits a peak response on line 111+00N at approximately 61+10E, and has a northern most terminus just to the north of this point. This conductor exhibits a more northerly strike, and also appears to dip to the West.

CONCLUSIONS AND RECOMMENDATIONS

The soil geochemical survey was not successful in outlining a pattern of anomalous gold mineralization in the Southwest corner of the claim block. It was successful in outlining a pattern of base metal mineralization in the eastern portions of the claim block. The 1.4 kilometre detailed Vlf-em survey was successful in detecting, and better defining a previously known Vlf-em anomaly in the eastern area. Prospecting, while successful in locating a number of old workings on the claim block, was not successful in uncovering any significant mineralization.

A two hole shallow diamond drilling program is recommended to test the two geophysical highs located on L111+00N, at approximately 61+10E, and 61+80E, to determine if any economic mineralization is associated.

PROPOSED PROGRAM COSTS

200 feet Diamond Drilling		
@ \$20.00/foot	=	\$4000.00
Site prep, Supervision, etc.		
4 days @ \$200.00/day	=	800.00
Transportation, Assays, etc.	=	300.00

TOTAL \$5100.00

STATEMENT OF COSTS

Prospecting		
6 days @ \$200.00/day	: •	\$1200.00
Geochemical Survey		
4 days @ \$200.00/day	=	800.00
Geophysical Survey		
1 day @ \$200.00/day	=	200.00
Report Preparation		
2 days @ \$200.00/day	=	400.00
Assays & Prep.		
18 rocks @ \$15.00/sample	=	270.00
132 soils @ \$8.67/sample	=	1144.50
Transportation		
4 X 4 rental 11 days @ \$25.00/day	=	275.00
Vlf - em Rental		
1 day @ \$40.00/day	Ξ	40.00
Supplies, shipping, etc.	=	45.00
Assays & Prep. 18 rocks @ \$15.00/sample 132 soils @ \$8.67/sample Transportation 4 X 4 rental 11 days @ \$25.00/day Vlf - em Rental 1 day @ \$40.00/day Supplies, shipping, etc.		400.00 270.00 1144.50 275.00 40.00 45.00

TOTAL \$4374.50

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CERTIFICATE OF QUALIFICATIONS

I, Thomas M. Lewis, of P.O. Box 793 Rossland, in the Province of British Columbia do hereby certify that:

- 1) I am a graduate (1989) of Brandon University, Brandon Manitoba, with a BSc. degree in geology, a graduate (1986) of Mount Royal College, Calgary Alberta, with a Diploma in Petroleum, and Mineral Land Management, and a graduate (1975) of Fanshawe College, London Ontario, with a Diploma in Arts and Sciences.
- I am a geologist residing at 1830 4th Avenue, Rossland, B.C.
- I have been continually active in mining exploration since 1987.
- I am an Associate member of the Geological Association of Canada.
- 5) This report is based on work conducted by myself, on the property, and from the references cited in the bibliography.
- 6) I am the sole beneficial holder of the claims.

Thomas M. Lewis BSc.

Dated at Rossland, British Columbia this 18th day of March, 1991.

SOPHIA SAMPLE DESCRIPTIONS

- S1 113+75N 59+50E Silic volc w/blebs, & dissem po.
- S2 111+60N 61+75E Volc. w/blebs, & dissem po. Qtz cavity fillings.
- S3 111+50N 61+75E Andesite w/blebs & dissem py, poss tr graph. Silicified zone.
- S4 111+00N 62+00E Siltstone w/dissem py & po.
- S5 111+85N 52+50E Dunite w/dissem magnetite.
- S6 112+00N 53+75E V crse grd intermed intrusive(Qtz Diorite). w/magnetite.
- S7 112+00N 55+10E Dunite w/dissem magnetite.
- S8 110+00N 54+00E From pits. Sheared Dunite w/Magnetite
- S9 110+00N 54+87E Intermed volc w/dissem py.
- S10 108+10N 54+25E Boiler Adit. Qtz/carb vein N wall adit. Py w/tr po.
- S11 104+55N 53+25E Fn grd qtz diorite. v fn grd py dissem/blebs & along frac's.
- S12 103+00N 55+18E Qtz diorite w/< 1% cubic py.
- S13 103+00N 53+70E Siltstone w/1-2% fn grd dissem py & po
- S14 116+75N 59+50E Serp w/dissem po, mag, & cu py.
- S15 115+00N 55+25E Serp/qtz monz contact. Pits. Monz. w/1 % dissem py.
- S16 117+00N 57+50E Float. Silic andesite, w/2-3% dissem py & po.
- S17 116+60N 57+50E Float. Serp w/ dissem mag.
- S18 111+00N 62+10E Andesite w/dissem & blebs po.

BARRINGER Laboratories (Alberta) Ltd.

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AUTHORITY:T. COMIS

, MR. TOM LEWIS

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WORK ORDER: 71420-90

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

	SAMPLE	TYPE:	SOIL
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SAMPLE NUMBER	аU РРВ	CU PPM	PB PPM	ZN PPM
- - 1111間(A)(またり、みたか)				. H = H
TTTDOM: 01+00E	2 . 9	27.0	11.0	151.0
11150N:61+25E	≤ 2 ()	22-0	26.0	346.0
10150N:61+50E	9.40	58.0	301.0	435.0
-11150N:61+75E	2.0	34.0	24.0	148.0
11150N:62+00E	4 . 0	39.0	15.0	146.0
111150N:62+25E	<2.0	23.0	34.0	228.0
11150N:62+50E	2.0	31.0	12.0	189.0
11100N:62+00E	11.0	115.0	15.0	1080.0
112N:53+75E	8.0	20.0	37.0	302.0
114N:52*75E	3.0	116.0	17.0	99.Ö
114N:53+00E	4.0	58.0	15.0	67.0
114N:53+25E	2.0	53.0	13.0	61.0
114N:53+50E	7.0	30.0	12.0	53.0
114N:53+75E	2.0	22.0	14.0	70.0



- Laboratories (Alberta) Ltd.

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AUTHORITY:1. LEWIS

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> PAGE: 4 OF 6 COPY: 1 DF 2

WORK ORDER: 7142D-90

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

SAMPLE TYPE: SOIL

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- 42008 - 10 STREET N E., CALGARY, ALBERTA, CANADA TZE 6K3 - PHONE: (403) 250-1901

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22-AUG-90 PAGE: 5 OF 6 COPY: 1 OF 2

WORK ORDER: 7142D-90

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

/ SAMPLE TYPE: SOIL

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- 42008 - 10 STREET N.E., CALGARY, ALBERTA, CANADA 12E6K3 - PHONE: (403) 250-1901

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WORK ORDER: 7142D-90

BARRINGER

*** FINAL REPORT ***

GEOCHEMICAL LABORATORY REPORT

AU

PPB

SAMPLE TYPE: SOIL

SAMPLE NUMBER

SSPEC:2 9. SIGNED: Douglas. Read LABORATORY MANAGER

FOOTNOTES: P=QUESTIONABLE PRECISION; A=INTEREERENCE; TR=TRACE; ND=NOT DETECTED; IS=INSUFFICIENT SAMPLE; NA=NOT ANALYZED; MS=MISSING SAMPLE

ADVANCED TECHNIQUES AND INSTRUMENTATION FOR THE EARTH SCIENCES

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DATE RECEIVED: DEC 10 1990

DATE REPORT MAILED: Dec. 11/90.

GEOCHEMICAL ANALYSIS CERTIFICATE

Tom Lewis FILE # 90-6263 P.O. Box 793, Rossland B.C. VOG 1YO

SAMPLE#	· ·	×UA ppb
L104+50N	55+00E	2
L104+50N	55+12.5E	2
L104+50N	55+25E	10
L104+50N	55+37.5E	3
L104+50N	55+50E	1
L103+00N	54+87.5E	3
L103+00N	55+12.5E	5
L103+00N	55+37.5E	2
L102+50N	52+00E	2
L102+50N	52+25E	1 1
L102+50N	52+50E	1
L102+50N	52+75E	1
L102+50N	53+00E	1
L102+50N	54+75E	2
L102+50N	55+00E	3
L102+50N	55+25E	3
L102+00N	52+12.5E	1
L102+00N	52+37.5E	1
L102+00N	52+62.5E	2
L102+00N	52+87.5E	2
L101+50N	52+00E	1
L101+50N	52+25E	1 1
L101+50N	52+50E	2
L101+50N	52+75E	1
L101+50N	53+00E	2
STANDARD	AU-S	51

GEOCHEMICAL ANALYSIS CERTIFICATE

<u>Tom Lewis</u> File # 90-6264 Page 1 P.C. Box 793, Rossland B.C. VOG 1YD

SAMPLE#	Mo ppm	Cu ppn	Pb ppm	2n ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe X	As	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sp ppm	Bi ppm	V ppn	Ca X	₽. ≭	ta ppm	Cr ppm	Mg X	Ва ррл	п. ті П Х	B ppm	AL X	Na X	K [:] X	¥ ₽₽¶
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L112+00N 61+25E L112+00N 61+50E L112+00N 61+75E L112+00N 62+00E L112+00N 62+25E	1 1 1	39 38 36 32 22	19 22 15 20 24	111 128 92 107 146	.1 .1 .3 .2 .2	55 51 49 51 40	16 16 14 14 17	920 1303 768 815 1226	3.50 3.32 3.17 3.05 3.75	17 10 8 11 6	5 5 5 5 5	ND ND ND ND	3 2 3 3 1	48 48 27 24 55	.2 .3 .2 .2 .2 .2	2 2 3 2	2 2 2 2 2 2 2 2	63 62 66 61 61	.33 . .37 . .23 . .19 . .41 .	197 145 102 139 176	9 12 11 9 9	63 * 57 58 59 63	1.06 .89 .91 .92 1.12	268 304 179 212 266	.17 .17 .17 .17 .17 .18	54252	3.40 3.21 3.31 3.08 3.21	.03 .03 .02 .03 .03	.19 .17 .13 .12 .12	1
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L111+00N 60+75E L111+00N 61+00E L111+00N 61+25E L111+00N 61+75E L111+00N 62+25E	1 2 2 1	18 20 43 41 32	40 16 14 31 38	280 279 749 1049 294	.2 .1 .4 .2 .3	81 73 80 76 58	14 13 14 14 16	1162 590 742 840 1458	2.93 2.77 3.15 3.37 3.42	9 17 19 15 12	5 5 5 5	ND ND ND ND	22322	45 25 52 51 46	1.6 .6 7,4 11.7 1.9	2 2 3 2 2	2 2 2 2 2 2 2 2 2 2	51 48 74 73 64	.32 .21 .34 .34 .34	199 191 208 078 210	8 6 8 7 9	67 51 60 53 61	.76 .51 .81 .74 .89	311 152 247 229 321	.15 _17 .16 _17 .15	6 2 7 4 5	2.60 2.70 3.72 3.25 2.99	.03 .03 .03 .04 .02	. 17 . 14 . 19 . 18 . 17	1 1 1 1 1 1
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L110+50N 62+25E L110+00N 60+25E L110+00N 60+50E L110+00N 60+75E L110+00N 61+00E	1 1 1 3	111 29 25 17 38	93 26 21 41 77	259 119 118 147 190	.2 .1 .3 .5	32 117 127 74 71	59 18 18 15 19	2167 484 695 1246 2540	3.94 3.22 3.31 2.40 3.08	11 11 8 15	5 5 5 5 5	nd Nd Nd Nd	1 2 1 1	142 38 30 58 78	2.7 .4 .6 2.2 3.7	3 2 2 2 3	2 2 2 2 6	46 53 56 34 48	1.08 . .33 . .24 . .77 . .62 .	516 146 119 209 167	6 8 10 11 12	45 107 1 100 1 54 71	.95 1.14 1.23 .58 .97	555 213 195 282 637	.11 .16 .16 .10 .13	5 3 2 11 6	2.91 2.72 3.21 1.79 2.62	.03 .03 .02 .02 .02	.25 .19 .17 .15 .22	1 1 1 5
L110+00N 61+25E STANDARD C	1 18	40 58	81 39	205 131	.1 6.9	37 70	19 32	3921 1036	2.43 3.97	11 40	5 18	ND 7	1 36	96 52	3.8	2 14	4 21	36 56	.57 .	248 097	10 36	41 61	.53 .86	916 179	.12 .07	3 33	2.12 1.88	.02 .06	.14 .13	2 13

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HN03-H20 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 PPM. - SAMPLE TYPE: SOIL

DATE RECEIVED: DEC 10 1990 DATE REPORT MAILED: DEC 11/90 SIGNED BY D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Tom Lewis FILE # 90-6264

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SAMPLE#	Mo	Cu	₽b	2n	Ag	Ni	C٥	Mn	fe 🗇	4.s	U	Au	Τh	Sr	63	\$Ь	Bi	v	Ca Si S P	La	Ċŕ	Hg	Ba 👌 7 i	B AL	Na	κ	©.¥
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Page 2



AUTHORFIY:I. LEWIS

MR. TOM LEWIS

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