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PROSPECTING REPORT
ON THE
REM CLAIMS

ALBERNI M.D.
NTS: 92L/2W

LAT: 50 07'N
LONG: 126 52'W

BY: MARJORIE L. SERACK
DATE: JULY 14, 1989

OWNER: M.L. SERACK
P.O. BOX 86913
NORTH VANCOUVER, B.C.
V7L 4P6

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,956

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INTRODUCTION

The REM claims were staked on July 12 and 13, 1988 based in information supplied by R.E. Mickle. Fieldwork commenced immediately after staking and consisted of initial reconnaissance work.

A brief series of traverses showed the property was composed of complex structural and stratigraphic units upon which had been imposed a series of hydrothermal and metamorphic events.

Two days were spent on initial reconnaissance of the property.

It was decided that an airphoto study might simplify prospecting by outlining areas of significant alteration and defining the structural components of the property. An airphoto study was conducted by L. Lindinger during the last week of September 1988.

Follow up prospecting and sampling was carried out by M.L. Serack, L. Lindinger and S. Lindinger during October 7-10, 1988.

LOCATION AND ACCESS

The Rem claims are located 17 Km north of Zeballos, B.C. and are accessible by two-wheel drive along the Zeballos Highway and the Artlish Logging Main which runs through the southern portion of the claim (Figure 1).

The property is partially logged along the southern less steep portion of the claim. Mature forest and rugged cliffs dominate the northern portion of the claim. Due to the steep nature of the terrain and its rugged nature access to the northern edge of the block can be difficult and time consuming.

The property lies between 1300 and 3200 ft. elevations.

CLAIMS

The Rem claim, 20 units was staked on July 12 and 13, 1989 and recorded on July 28, 1989. The property is registered in the name of M. L. Serack (Figure 2).

PROSPECTING

Figure 3 is a plot of the prospecting stations observed in the field. Individual observations at each of those stations along with sample numbers of those rocks sent for analysis are located in the table to the right of the map.

The Rem claim consists of mixed lithologies but is underlain in the northern part predominantly by Karmutsen Volcanics consisting of largely green basaltic flows and breccias with interspersed pods of limestone. Relatively recent fresher basalts display strong magnetic tendencies. In places the basaltic rocks appear gradational to andesite. These rocks appear to have been overprinted by a hydrothermal event in some portions of the claim group.

Alteration is variable. At its extreme the entire matrix of the basalt has been replaced by chlorite or epidote, sericite mineral assemblages that are easily weathered and leave silica filled vugs of the original basalt standing out in relief on the weathered surface. On exposed surfaces the greenish altered matrix may be seen weathered to a buff color (Photos - Appendix I).

At the less extreme end of the alteration assemblage and generally in relation to structural features such as faulting, the basalts can be seen to be cut by horsetailed silica +/- carbonate veining around which alteration halos and epidotization are visible (Photos - Appendix I).

The southern border of the claim is underlain by Quatsino Limestone. The major cliff on the southern edge of the property is entirely composed of limestone. It is separated from the northern portion of the property by the fault dominated Artlish River. The total amount of displacement is unknown.

Along the Artlish logging road immediately north of the river and just of the eastern boundry of the claim, what appear to be Parsons Bay calcareous siltstones, shale, greywacke and conglomerate are seen to outcrop in the road bed. Similar coloration was observed part way up one cliff face in the middle of the property but detailed examination of the face was not possible with the time constraints upon this program.

MINERALIZATION

Hydrothermal veining cross cuts altered volcanics and sediments. Often more than one direction of veining is present. Typically the veining consists of Quartz with minor carbonate and at some locations it contains minor pyrite and blebs of chalcopyrite.

The better analytical values were obtained from random chip samples containing blebs of chalcopyrite. Most significant of these were:

.050 oz/T Au over 2 ft.	
.078 oz/T Au over 1 ft	3540 ppm Cu.
.052 oz/T Au over 6 ft	>10,000 ppm Cu.
.180 oz/T Au Grab.	

The best values reported from the property were those obtained by R.E. Mickle in 1985. He sampled float located down stream from the 6 ft. vein showing: that sample ran 1.09 oz/T Au.

STRUCTURE

The locally rough rugged hummocky nature of the property with numerous local ponds is similar to that noted from karsted topography. This is particularly evident along the southern and eastern margins of the property although no outcrop was visible in these areas.

Significant episodes of faulting are apparent and have resulted in the formation of many local small vertical to near vertical cliff faces. Prospecting by M. L. Serack in one of the major creeks on the property revealed that locally veins could be offset 1-5 m. The creek bed itself seemed to be the actual fault plane. No consistant offset pattern was observed in the faulting due to the limited scope of this prospecting survey.

ANALYSIS OF SAMPLES

All samples in the 1988 program were analysed by Chemex Labs in North Vancouver. Samples were subjected to ICP multielement analysis. The results of those tests are reported in Appendix II and tabled on Figure 4.

Certain samples were assayed by Chemex for gold and silver. Results of those tests are plotted next to the samples.

For reference purposes samples taken by R.E. Mickle in 1985 and analysed by Acme Labs for gold and silver are also plotted on Figure 4. The analytical certificates from Acme are attached as Appendix III.

Rock samples consisted of random chips taken at the stations shown on Figure 4.

Silt samples were taken in many of the creeks in hopes of identifying source areas of mineralization. Samples were sieved in the field through a 2mm plastic mesh and only the fines sent for analysis.

AIR PHOTO INTERPRETATION

Detailed 1:50,000 Black and White air photographs of the area surrounding the Rem Claims were obtained from the B.C. Government. Copies of the photos used are attached in Appendix IV.

The air photos were analysed with two purposes in mind.

Firstly an attempt was made to delineate all structural lineaments and where possible designate fault systems. It was thought that changes in general structural trends and therefore possible structural regimes might have had an effect on localizing economic mineralization.

A unit by unit study was undertaken, and orientation measurements made of each linear defined from the photos. A plot of the linears is attached as Figure 5. All fractures defined within a particular unit were plotted on a Rose Diagram for that unit. A table of the recorded orientations is provided in Appendix V. The Rose Diagram is inset in the upper right hand corner of Figure 5.

Secondly, an attempt was made to target obviously local resistant and recessive areas in hopes that these might form some sort of overall alteration pattern. The study was based on two premises: local silicification might have resulted in a hardening of the units which would be reflected as a locally resistant area and area which possibly had undergone hydrothermal alteration to clay or similar soft assemblages would be reflected in locally recessive areas. Recessive and resistive areas as interpreted from the airphotos are plotted on Figure 4.

A recessive zone extending from unit 1S3E to 4S5E appears to be a fault wedged piece of softer rock displaced by a regional WNW right lateral striking fault.

CONCLUSIONS

Based on the limited data obtained in the course of prospecting it is impossible at this stage to form any conclusions as to whether the areas interpreted from the air photo survey have any real meaning with respect to the lithologies seen on the ground. To form any such conclusion would require detailed grid mapping and associated geophysical surveys such as VLF resistivity etc.

Some of the locally fresh magnetic basalts might be effectively mapped by means of a magnetometer survey, although the usefulness of this technique in delineating sediments from altered basaltic units is somewhat doubtful.

Locally interesting values in gold were obtained from narrow quartz veining and lend hope to discovery of more economic grades. These veins appear to be structurally controlled and were on or near linaments interpreted from the airphoto study to be major faults. It has long been noted from the Zeballos gold camp and in particular New Privateer Mines, located some 4 miles SE of the Rem Claims, that narrow horsetailed veins often swell into larger richer veins with depth.

RECOMMENDATIONS

Further detailed grid work should be commenced on the property to define lithologies and tie in geochemical values and anomalies more closely with alteration patterns observed. The airphoto analysis conducted during this survey may assist in correlation and interpretation of those results.

COST STATEMENT

Labour Costs

M.L.Serack, L. Lindinger July 14,15, 1988 2 men x 2 days x \$250/ man day	\$1,000.00
L. Lindinger Sept. 20-24, 1988 incl. 5 man days x \$250/ man day	\$1,200.00
M.L. Serack, L. Lindinger Oct. 7-10, 1988 2 men x 4 days x \$250/ man day	\$2,000.00
S. Lindinger, sampler Oct. 7-10, 1988 1 man x 4 days x \$100/ man day	400.00

Transportation

B.C. Ferries 2 trips Vancouver-Nanaimo-Vancouver	87.00
Vehicle - 6 days x \$50.00/ day	300.00

Camp Costs

2 men x 2 days x \$50/ man day	200.00
3 men x 4 days x \$50/ man day	600.00
Field supplies	154.53

<u>Report Preparation</u>	374.20
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Analysis

Chemex Invoice I8827839	139.50
Chemex Invoice I8827840	117.00
Chemex Invoice I8827841	32.50
Chemex Invoice I8819583	90.00
Chemex Invoice I8819582	66.00

-as attached in Appendix II -

<u>TOTAL COST</u>	\$6,760.73
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STATEMENT OF QUALIFICATIONS

I, Marjorie L. Serack, with address at P.O. Box 86913
North Vancouver, British Columbia do hereby state:

1. I hold a B.Sc. (Honours) Degree in Geology
from the University of Saskatchewan (1979).
2. I have been practicing my profession for ten
years, being employed by such firms as
Saskatchewan Mining Development, Cominco Ltd
and Lornex Mining Corporation.
3. I am a Fellow of the Geological Association of
Canada.

M.L. Serack
July 14, 1989



STATEMENT OF QUALIFICATIONS

I, Leo J. Lindinger, with address at P.O. Box 1633 Station A, Vancouver, British Columbia do hereby state:

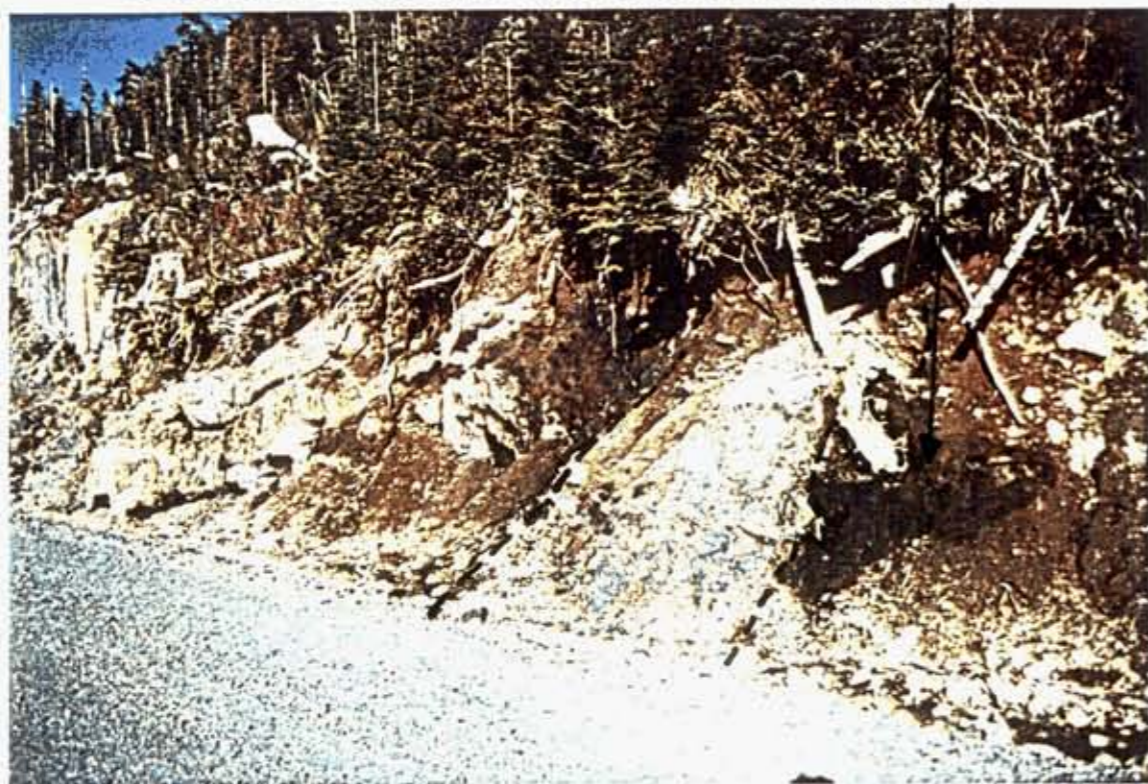
1. I hold a B.Sc. (Honours) Degree in Earth Sciences from the University of Waterloo (1980).
2. I have been practicing my profession continuously for nine years.
3. I am a Fellow of the Geological Association of Canada.

Leo J. Lindinger
July 14, 1989



APPENDIX I

OUTCROPPING OF PARSONS BAY SEDIMENTS
a) In the road cut immediately east of the claim group



b) Located part way up a cliff face (and inaccessible at the time of this survey) as interpreted by the color anomaly indicated



VIEW OF CLAIM FROM SOUTH CLAIM LINE



ALTERED BASALT WITH SILICA FILLED VESICLES FORMING RELIEF ON WEATHERED SURFACES



EXAMPLE OF HORSETAILED VEINING IN THE VICINITY OF STATIONS M17 to M 20

APPENDIX II



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: SERACK, M. L.

**

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

*** INVOICE NUMBER 18819583 ***

BILLING INFORMATION

Date : 2-AUG-88
Project : REM
P.O. # : NONE
Account : FMU

Billing : For analysis performed on
Certificate A8819583

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
101 G32	- Au NAA - G-32 32 EL. ppb	5	14.50	72.50
Sample preparation and other charges :				
205 238	- Rock Geochem - RING - ICP aqua-regia digestion	5 5	3.50 0.00	17.50 0.00
Total Cost \$				90.00
TOTAL PAYABLE \$				90.00



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

A8819583

Comments:

CERTIFICATE A8819583

SERACK, M. L.
PROJECT : REM
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	5	Rock Geochem: Crush, split, ring
238	5	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
101	5	Au ppb: Fuse 10 g sample	FA-NAA	1	10000
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	1	10000



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

Project: REM
Comments:

**Page No. 1-A
Tot. Pages: 1
Date: 2-AUG-88
Invoice #: I-8819583
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819583

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
88M2 REM	205 238	3	3.28	< 0.2	5	< 10	< 0.5	< 2	3.15	< 0.5	25	103	11	4.47	10	< 1	< 0.01	< 10	2.19	488
88M3 REM	205 238	3	0.63	< 0.2	5	< 10	< 0.5	< 2	13.60	< 0.5	4	97	6	0.88	< 10	< 1	0.01	< 10	0.46	359
88M9 REM	205 238	7	1.24	< 0.2	< 5	< 10	< 0.5	< 2	12.85	< 0.5	10	119	17	1.57	< 10	< 1	0.04	< 10	1.05	399
88M10 REM 1730	205 238	2	2.11	< 0.2	< 5	< 10	< 0.5	< 2	1.01	< 0.5	17	249	19	3.46	< 10	< 1	< 0.01	10	1.83	610
VRM	205 238	39	2.32	6.8	5	< 10	< 0.5	< 2	4.51	0.5	20	144	>10000	5.05	10	< 1	< 0.01	< 10	2.01	401

CERTIFICATION :

[Handwritten signature]



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
 NORTH VANCOUVER, BC
 V7L 4P6

Project: REM
 Comments:

**Page No. : 1-B
 Tot. Pages: 1
 Date : 2-AUG-88
 Invoice #: I-8819583
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819583

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
REM	205 238	< 1	0.02	65	390	12	< 5	8	127	0.56	< 10	< 10	166	5	45
REM	205 238	< 1	0.01	13	160	< 2	< 5	1	458	0.10	< 10	< 10	28	5	9
REM	205 238	< 1	< 0.01	27	220	2	< 5	5	218	0.11	< 10	< 10	45	5	18
REM 730	205 238	< 1	0.02	36	140	2	< 5	8	118	0.31	< 10	< 10	130	10	52
REM	205 238	1	0.01	55	390	6	< 5	7	37	0.60	< 10	< 10	131	< 5	47

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

SERACK, M. L.

**

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

*** INVOICE NUMBER 18827840 ***

BILLING INFORMATION

Date : 29-NOV-88
Project : REM 88
P.O. # : NONE
Account : FMU

Comments:

Billing : For analysis performed on
Certificate A8827840

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

We are pleased to announce that
CHEMEX now accepts payment by
** VISA **

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 -	Au ppb FA+AA			
G32 -	G-32 32 EL.	6	14.25	85.50
G32 -	G-32 32 EL.	1	7.00	7.00
Sample preparation and other charges :				
205 -	Rock Geochem - RING	7	3.50	24.50
238 -	ICP aqua-regia digestion	7	0.00	0.00
Total Cost \$				117.00
TOTAL PAYABLE \$				117.00



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

A8827840

Comments:

CERTIFICATE A8827840

SERACK, M. L.
PROJECT : REM 88
P.O. # : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-NOV-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	7	Rock Geochem: Crush,split,ring
238	7	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	6	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	7	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	7	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	7	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	7	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	7	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	7	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	7	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	7	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	7	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	7	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	7	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	7	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	7	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	7	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	7	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	7	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	7	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	7	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	7	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	7	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	7	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	7	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	7	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	7	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	7	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	7	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	7	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	7	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	7	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	7	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	7	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	7	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
 NORTH VANCOUVER, BC
 V7L 4P6

Project: REM 88
 Comments:

**Page No.: 1-A
 Tot. Pages: 1
 Date: 29-NOV-88
 Invoice #: I-8827840
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8827840

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
LJL88 1009-09	205	238	< 5	2.80	< 0.2	< 5	< 10	< 0.5	< 2	2.38	< 0.5	23	163	173	3.78	< 10	< 1	< 0.01	< 10	1.83	429
LJL88 1009-15	205	238	< 5	4.35	< 0.2	< 5	30	< 0.5	< 2	0.48	< 0.5	30	134	92	12.75	< 10	< 1	0.08	10	3.35	4610
88LJL REM17	205	238	< 5	2.28	< 0.2	< 5	< 10	< 0.5	< 2	2.49	< 0.5	16	172	29	3.22	< 10	< 1	< 0.01	< 10	1.67	502
88LJL REM18	205	238	< 5	3.59	< 0.2	< 5	10	< 0.5	< 2	2.60	< 0.5	34	143	81	6.12	< 10	< 1	0.06	< 10	2.68	2270
88LJL REM19	205	238	45	4.05	< 0.2	< 5	30	< 0.5	< 2	3.24	< 0.5	40	239	1585	7.12	< 10	< 1	0.05	< 10	4.22	840
88MS REM15	205	238	—	5.89	< 0.2	20	10	< 0.5	< 2	0.93	< 0.5	34	127	179	7.46	< 10	< 1	0.07	10	2.66	5090
88MS REM23	205	238	45	3.68	< 0.2	10	30	< 0.5	< 2	3.24	< 0.5	37	210	1285	6.56	< 10	< 1	0.06	< 10	3.89	819

CERTIFICATION : _____



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 BROOKSBANK AVE., NORTH VANCOUVER,
 BRITISH COLUMBIA, CANADA V7J-2C1
 PHONE (604) 984-0221



To: SERACK, M. L.
 P.O. BOX 86913
 NORTH VANCOUVER, BC
 V7L 4P6
 Project: REM 88
 Comments:



**Page No.: 1-B
 Tot. Pages: 1
 Date: 29-NOV-88
 Invoice #: I-8827840
 P.O. #: NONE

CERTIFICATE OF ANALYSIS A8827840

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LJL88 1009-09	205 238	< 1	0.01	72	390	< 2	< 5	10	238	0.62	< 10	< 10	126	< 5	53
LJL88 1009-15	205 238	< 1	0.01	41	500	< 2	< 5	23	14	0.04	< 10	< 10	215	< 5	65
88LJL REM17	205 238	< 1	< 0.01	47	370	< 2	< 5	11	343	0.56	< 10	< 10	106	< 5	45
88LJL REM18	205 238	< 1	0.02	53	390	< 2	< 5	21	115	0.57	< 10	< 10	200	< 5	76
88LJL REM19	205 238	< 1	0.02	101	620	< 2	< 5	23	62	0.71	< 10	< 10	200	< 5	111
88MS REM15	205 238	4	0.01	43	870	< 2	< 5	34	16	0.53	< 10	< 10	206	< 5	70
88MS REM23	205 238	< 1	0.01	94	570	< 2	< 5	22	56	0.57	< 10	< 10	175	< 5	103



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To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

A8827839

CERTIFICATE A8827839

ANALYTICAL PROCEDURES

SERACK, M. L.
PROJECT : REM 88
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-NOV-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
207	6	Assay: Crush, split, pulv -150
238	6	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
398	6	Au oz/T: 1/2 assay ton	FA-AAS	0.002	20.00
385	5	Ag oz/T: Aqua regia digestion	AAS	0.01	20.0
921	6	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	6	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	6	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	6	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	6	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	6	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	6	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	6	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	6	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	6	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	6	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	6	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	6	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	6	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	6	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	6	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	6	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	6	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	6	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	6	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	6	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	6	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	6	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	6	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	6	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	6	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	6	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	6	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	6	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	6	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	6	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	6	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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PHONE (604) 984-0221

To: SERACK, M. L.

**

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

*** INVOICE NUMBER 18827839 ***

BILLING INFORMATION

Date : 29-NOV-88
Project : REM 88
P.O. # : NONE
Account : FMU

Comments:

Billing : For analysis performed on
Certificate A8827839

Terms : Net payment in 30 Days
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** VISA **

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
398 -	Au oz/T			
385 -	Ag oz/T			
G32 -	G-32 32 EL.	5	18.75	93.75
398 -	Au oz/T			
G32 -	G-32 32 EL.	1	15.75	15.75
Sample preparation and other charges :				
207 -	Assay - PULVERIZE	6	5.00	30.00
238 -	ICP aqua-regia digestion	6	0.00	0.00
Total Cost \$				139.50
TOTAL PAYABLE \$				139.50



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NORTH VANCOUVER, BC
V7L 4P6

Project : REM 88

Comments:

**Page No. : 1-A
Tot. Pages: 1
Date : 29-NOV-88
Invoice # : I-8827839
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8827839

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Ag oz/T	Al %	Ar ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
LJL88 1009-10	207 238	0.078	0.04	2.51	0.8	< 5	< 10	< 0.5	< 2	0.99	1.0	42	68	3540	9.64	< 10	< 1	0.02	10	2.08
LJL88 1009-11	207 238	0.010	< 0.01	1.61	0.2	< 5	10	< 0.5	2	0.44	< 0.5	59	51	164	6.35	< 10	< 1	0.20	< 10	1.15
LJL88 1009-14	207 238	< 0.002	—	4.35	0.2	< 5	< 10	< 0.5	< 2	0.66	< 0.5	59	29	121	8.78	< 10	< 1	0.02	< 10	4.62
88MS REM22	207 238	< 0.002	< 0.01	2.17	0.2	< 5	< 10	< 0.5	< 2	0.50	< 0.5	27	138	165	3.83	< 10	< 1	< 0.01	< 10	2.20
88MS REM24	207 238	0.052	0.07	0.51	1.2	5	< 10	< 0.5	< 2	0.24	< 0.5	38	32	>10000	5.81	< 10	< 1	0.01	< 10	0.35
88MS REM25	207 238	0.002	< 0.01	0.87	0.2	5	< 10	< 0.5	2	1.38	< 0.5	5	33	265	2.07	< 10	< 1	< 0.01	< 10	0.19

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY BC CERTIFIED ASSAYERS

CERTIFICATION :

B. Coughlin



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J. SERACK, M. L.
P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6
Project : REM 88
Comments :

Page No. : 1-B
Tot. Pages: 1
Date : 29-NOV-88
Invoice # : 1-8827839
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8827839

SAMPLE DESCRIPTION	PREP CODE		Mn	Mb	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
LJL88 1009-10	207	238	618	< 1	0.02	38	770	8	< 5	16	34	0.61	< 10	< 10	222	< 5	109
LJL88 1009-11	207	238	319	< 1	0.02	35	380	4	< 5	8	6	0.19	< 10	< 10	109	< 5	50
LJL88 1009-14	207	238	1140	< 1	0.04	24	680	< 2	< 5	10	24	0.33	< 10	< 10	129	5	98
88MS REM22	207	238	538	< 1	0.02	79	260	< 2	< 5	7	19	0.23	< 10	< 10	86	< 5	61
88MS REM24	207	238	170	4	< 0.01	28	30	< 2	< 5	2	28	0.08	< 10	< 10	28	< 5	70
88MS REM25	207	238	208	< 1	< 0.01	14	210	< 2	< 5	5	165	0.28	< 10	< 10	62	< 5	9

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CERTIFICATION : B. Coughlin



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J. SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

*** INVOICE NUMBER 18827841 ***

BILLING INFORMATION

Date : 29-NOV-88
Project : REM 88
P.O. # : NONE
Account : FMU

Comments:

Billing : For analysis performed on
Certificate A8827841

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
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212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

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** VISA **

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
100 - G32	Au ppb FA+AA G-32 32 EL.	2	14.25	28.50
Sample preparation and other charges :				
201 -	Soil + sediment -80 mesh	1	1.00	1.00
238 -	ICP aqua-regia digestion	1	0.00	0.00
217 -	Geochem - RING ONLY	1	3.00	3.00
238 -	ICP aqua-regia digestion	1	0.00	0.00
Total Cost \$				32.50
TOTAL PAYABLE \$				32.50



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PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

A8827841

Comments:

CERTIFICATE A8827841

ANALYTICAL PROCEDURES

SERACK, M. L.
PROJECT : REM 88
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-NOV-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	1	Dry, sieve -80 mesh; soil, sed.
217	1	Geochem: Ring only, no crush/split
238	2	ICP: Aqua regia digestion

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	2	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	2	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	2	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	2	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	2	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	2	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	2	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	2	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	2	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	2	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	2	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	2	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	2	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	2	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	2	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	2	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	2	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	2	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	2	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	2	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	2	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	2	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	2	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	2	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	2	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
944	2	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	2	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	2	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	2	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	2	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	2	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	2	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	2	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.



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To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

Project: REM 88

Comments:

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Tot. Pages: 1
Date: 29-NOV-88
Invoice #: I-8827841
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8827841

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
LJL88 1009-S2	201	238	< 5	4.13	< 0.2	5	20	< 0.5	< 2	2.10	< 0.5	42	84	154	5.51	< 10	< 1	0.03	10	2.18	1665
LJL88 1009-S5	217	238	25	4.37	< 0.2	< 5	20	< 0.5	< 2	1.65	< 0.5	45	119	106	6.96	< 10	< 1	0.02	10	2.18	1930

CERTIFICATION : _____



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To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

Project: REM 88

Comments:

**Page No.: 1-B
Tot. Pages: 1
Date: 29-NOV-88
Invoice #: I-8827841
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8827841

SAMPLE DESCRIPTION	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
LJL88 1009-S2	201	238	< 1	0.03	72	640	< 2	< 5	15	56	0.44	< 10	< 10	156	< 5	114
LJL88 1009-S5	217	238	< 1	0.03	116	430	< 2	< 5	15	27	0.56	< 10	< 10	223	< 5	144

CERTIFICATION : _____



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PHONE (604) 984-0221

To: SERACK, M. L.

**

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

*** INVOICE NUMBER 18819582 ***

BILLING INFORMATION

Date : 2-AUG-88
Project : REM
P.O. # : NONE
Account : FMU

Billing : For analysis performed on
Certificate A8819582

Terms : Net payment in 30 Days
1.5% per month (18% per annum)
charged on overdue accounts.

Please remit payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J-2C1

CHEMEX CODE	ANALYSIS DESCRIPTION	SAMPLES ANALYZED	UNIT PRICE	AMOUNT
101 - G32 -	Au NAA G-32 32 EL. ppb	4	14.50	58.00
Sample preparation and other charges :				
201 -	Soil + sediment -80 mesh	2	1.00	2.00
238 -	ICP aqua-regia digestion	2	0.00	0.00
203 -	-35 mesh sieve + ring	2	3.00	6.00
238 -	ICP aqua-regia digestion	2	0.00	0.00
Total Cost \$				66.00
TOTAL PAYABLE \$				66.00



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BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: SERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

A8819582

Comments:

CERTIFICATE A8819582

SERACK, M. L.
PROJECT : REM
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	2	Dry, sieve -80 mesh; soil, sed.
203	2	Dry, sieve -35 mesh and ring
238	4	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
101	4	Au ppb: Fuse 10 g sample	FA-NAA	1	10000
921	4	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	4	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	4	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	4	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	4	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	4	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	4	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	4	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	4	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	4	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	4	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	4	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	4	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	4	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	4	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	4	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	4	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	4	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	4	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	4	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	4	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	4	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	4	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	4	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	4	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	4	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	4	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	4	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	4	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	4	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	4	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	4	Zn ppm: 32 element, soil & rock	ICP-AES	1	10000



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

TO: GERACK, M. L.

P.O. BOX 86913
NORTH VANCOUVER, BC
V7L 4P6

Project : REM
Comments:

**Page No. : 1-A
Tot. Pages: 1
Date : 2-AUG-88
Invoice # : I-8819582
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8819582

SAMPLE DESCRIPTION	PREP CODE		Au NAA	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
§§MSREM	203	238	10	3.70	< 0.2	5	10	< 0.5	< 2	2.28	1.5	34	71	152	6.62	10	2	0.01	10	2.67	945
§§MSREM	201	238	16	6.23	< 0.2	35	50	0.5	< 2	0.40	< 0.5	374	122	83	10.25	< 10	< 1	< 0.01	10	0.30	>10000
§§MSREM	201	238	3	3.79	< 0.2	15	10	< 0.5	< 2	1.47	< 0.5	36	95	136	6.21	< 10	< 1	0.01	10	2.10	1255
§§MSREM	203	238	8	3.09	< 0.2	< 5	10	< 0.5	< 2	1.94	< 0.5	29	82	119	6.05	10	< 1	0.01	10	2.06	803

CERTIFICATION :

[Handwritten signature]



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Comments:

**Page No. -B
Tot. Pages: 1
Date: 2-AUG-88
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P.O. #: NONE

CERTIFICATE OF ANALYSIS A8819582

SAMPLE DESCRIPTION	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
88MSREM	203	238	< 1	0.02	65	450	< 2	< 5	13	42	0.60	< 10	< 10	207	10	88
88MS6REM	201	238	2	0.01	35	890	12	< 5	14	15	0.29	< 10	< 10	120	< 5	80
88MS7REM	201	238	1	0.01	66	420	98	< 5	14	38	0.50	< 10	< 10	178	5	96
88MS11REM	203	238	< 1	0.03	54	400	4	< 5	12	33	0.68	< 10	< 10	227	5	69

CERTIFICATION :

APPENDIX III

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

DATE RECEIVED: FEB 10 1986

DATE REPORT MAILED:

Feb 14/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 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: SOIL AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *De Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER.

R. MICKLE FILE # 86-0149

PAGE 1

SAMPLE#	Ag PPM	Au* PPB
BM-926	.3	48
BM-927	.4	70
BM-928	.8	11
BM-929	.6	7
BM-930	.7	8
BM-931	.5	4
BM-932	.1	50
BM-933	.5	11
BM-934	.5	7
BM-935	.3	4
BM-936	.5	125
BM-937	.7	14
BM-938	.4	1700
BM-939	.4	12
BM-940	.5	7
BM-941	.2	7
BM-943	.5	5
BM-944	.5	4
STD C/AU-0.5	7.1	480

*ARTWISH
2 EBELLOS
SOIL*

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: FEB 10 1986

DATE REPORT MAILED: *Feb 14/86*

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR.
AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.

- SAMPLE TYPE: ROCK CHIPS AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

R. MICKLE FILE # 86-0149A

PAGE 1

SAMPLE#	Ag Au	
	OZ/T	OZ/T
BM-942	.07	.050
BM-945	.11	.180
BM-946	.06	.009
BM-947	.23	1.090
BM-948	.09	.006

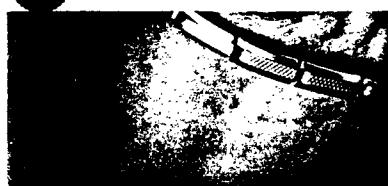
*ROCK
ARTWISH
2 E BELLOP*

APPENDIX IV

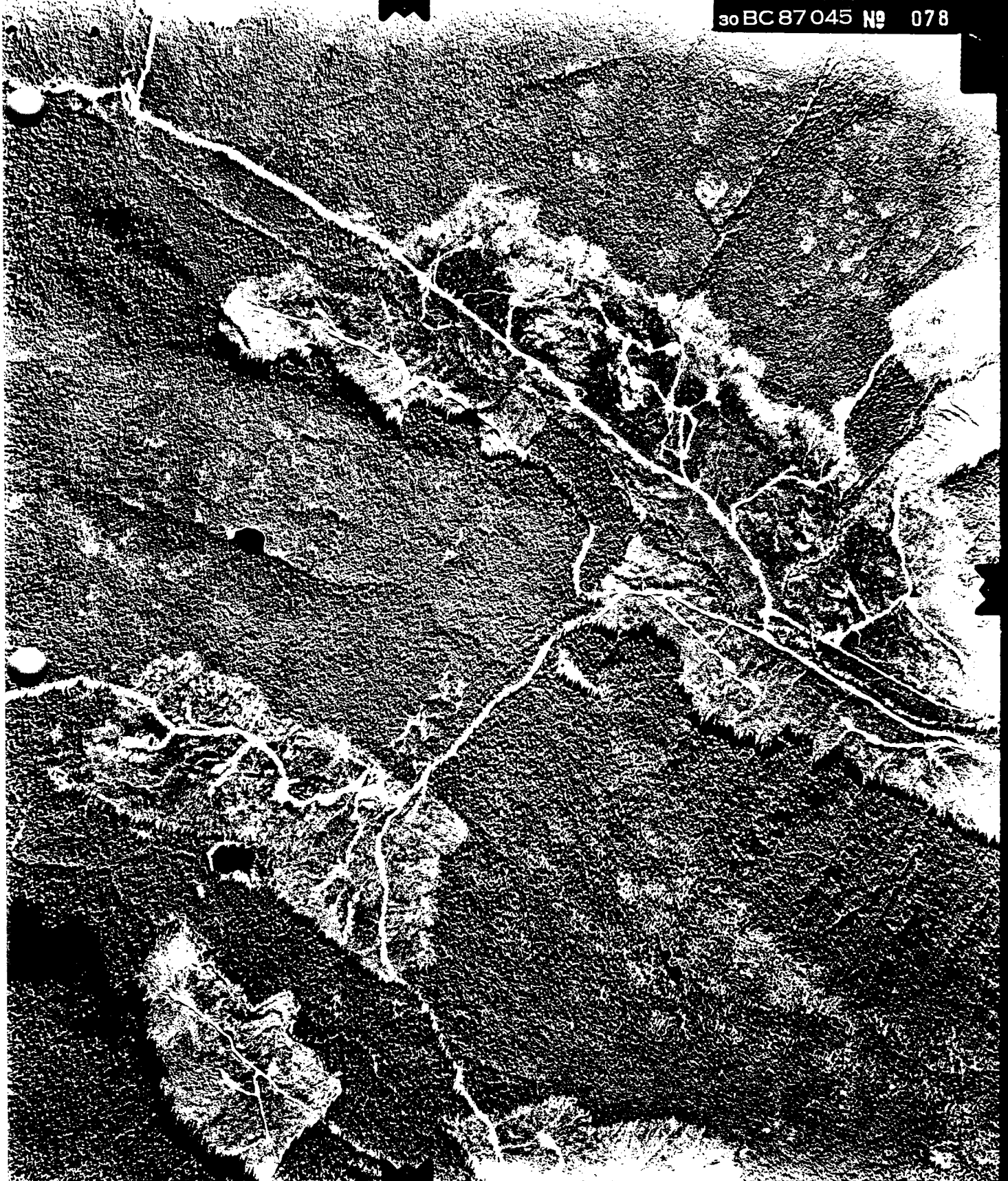


30 BC 87045 No 080

3







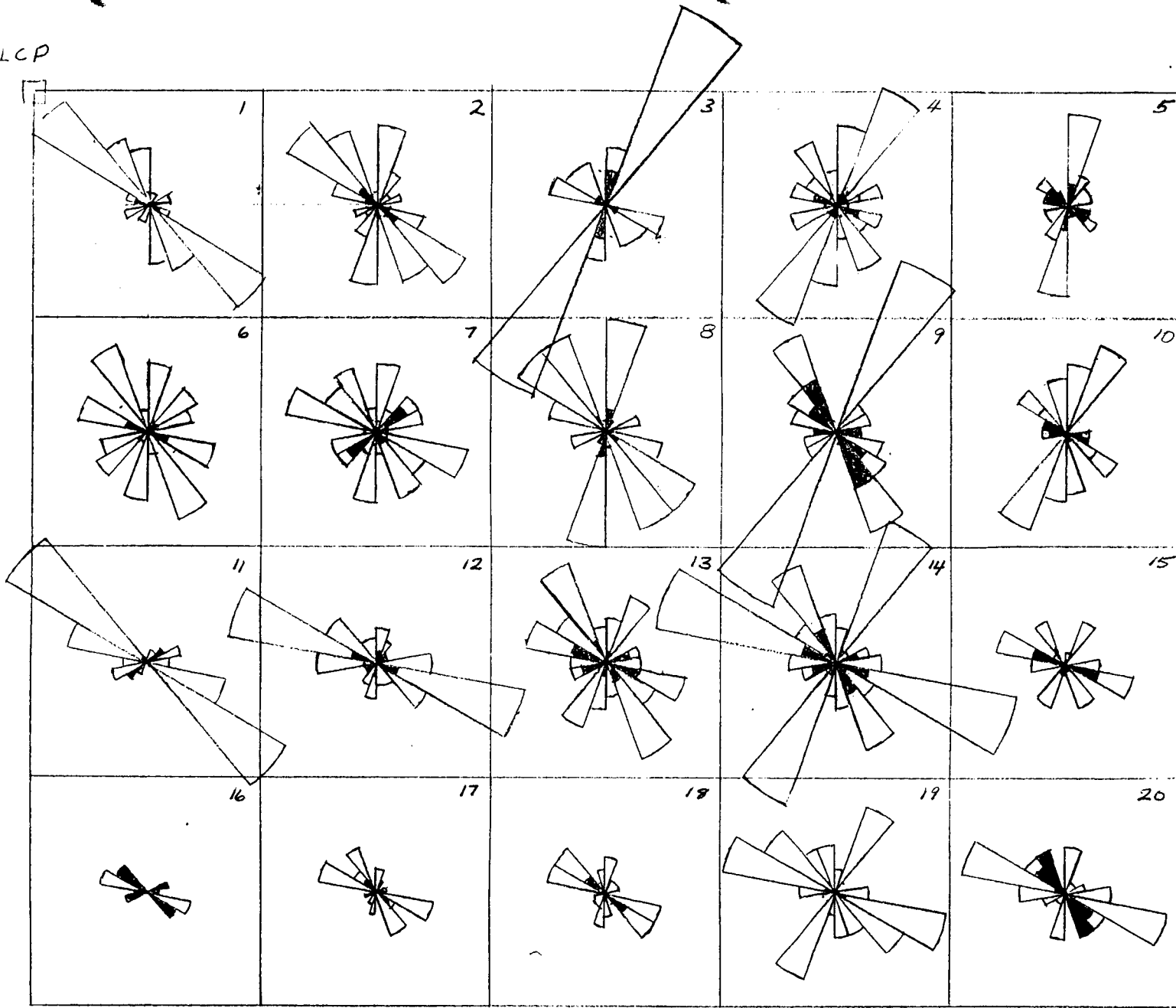
APPENDIX V

AIRPHOTO ANALYSIS OF STRUCTURES OBSERVED ON THE REM CLAIMS
TABLE OF LINEATIONS

ORIENTATIONS (IN DEGREES)	UNIT BLOCKS									
	1	2	3	4	5	6	7	8	9	10
0-20	1	7	5 (3)	7 (1)	8 (2)	6	6 (1)	10 (2)	1	6
20-40	1	3	18	11 (1)	3	1	2	1 (1)	16	8
40-60	0	1	0	1	2	5 (1)	4 (3)	0	3	0
60-80	2	2	0	4	2	4	4	3	3	0
80-100	0	0	0	1	0	0	1	0	2 (2)	2 (1)
100-120	2 (1)	4 (1)	5 (1)	4 (2)	2 (2)	6 (2)	8	5	4	(2)
120-140	12	9 (2)	4 (1)	3 (1)	3 (2)	3	5	9 (1)	5 (3)	5 (3)
140-160	6	7 (1)	4	6 (1)	(1)	8	6 (1)	9	9 (5)	1
160-180	5	1	3	3	0	2	2	1	1	5
	11	12	13	14	15	16	17	18	19	20
0-20	0	3 (1)	4 (1)	3	1	0	2	3	2	4
20-40	1	2	6	13 (1)	4 (1)	0	1	1	8	1
40-60	(2)	1 (1)	0	1	0	0	0	1	1	1
60-80	3	1	3 (2)	3 (2)	0	(2)	1	1	1	2
80-100	2	5	3	4	3	1	0	0	3	4
100-120	7	13 (2)	7 (3)	16 (3)	16 (3)	4	5	5	10 (1)	9 (1)
120-140	14 (1)	5	5	4 (1)	1	(3)	2 (1)	5 (2)	7	4 (3)
140-160	0	2	9 (2)	8 (3)	4 (1)	0	4	1	4	(4)
160-180	0	2 (1)	3	4	0	0	0	2	4	0

**** () INDICATES MAJOR LINEATIONS MEASURED IN THAT BLOCK *****

LCP



ROSE DIAGRAM OF STRUCTURAL ORIENTATIONS
Shaded areas represent the orientation of major structures

FIGURES

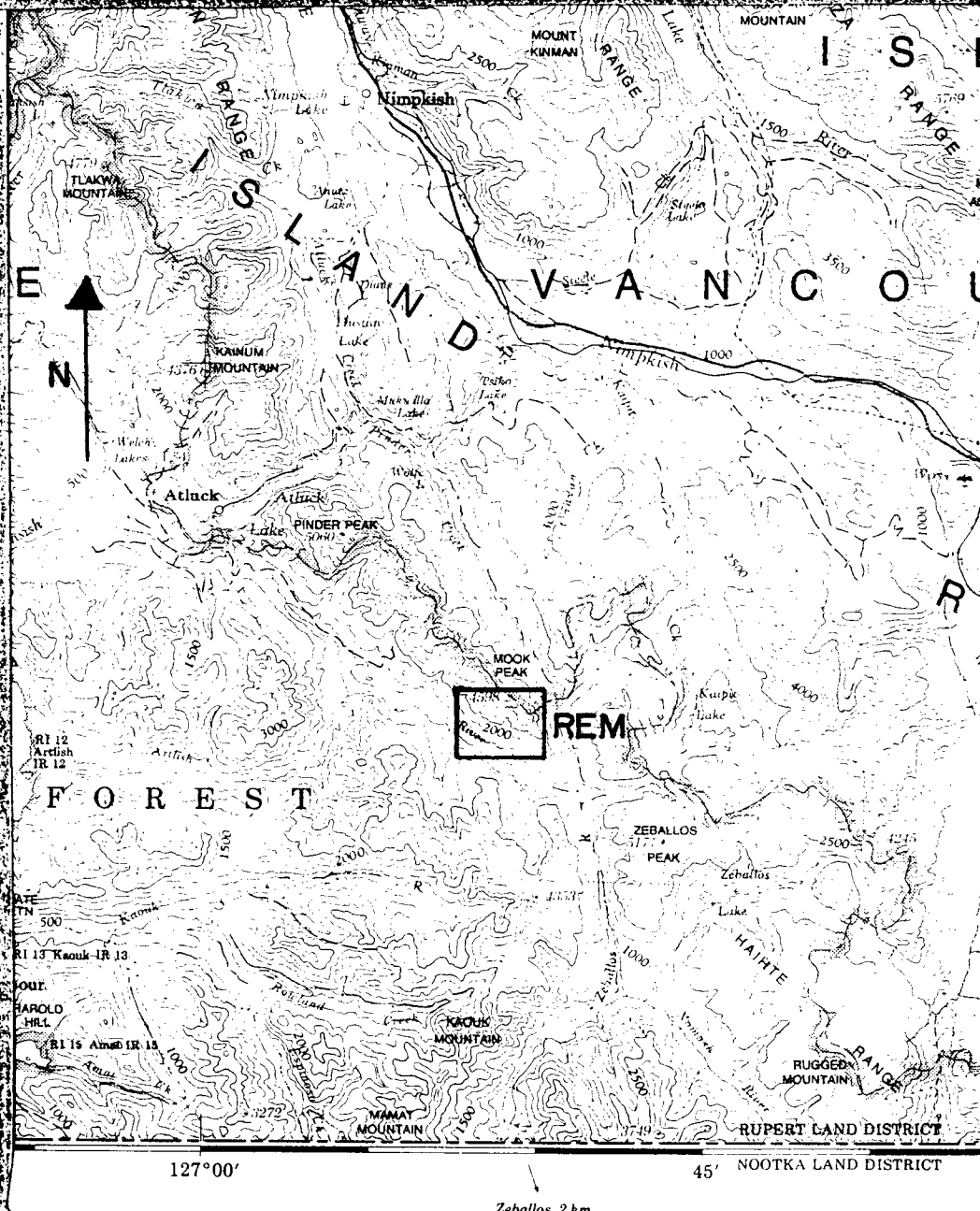


FIGURE 1 - LOCATION MAP

SCALE 1:250,000

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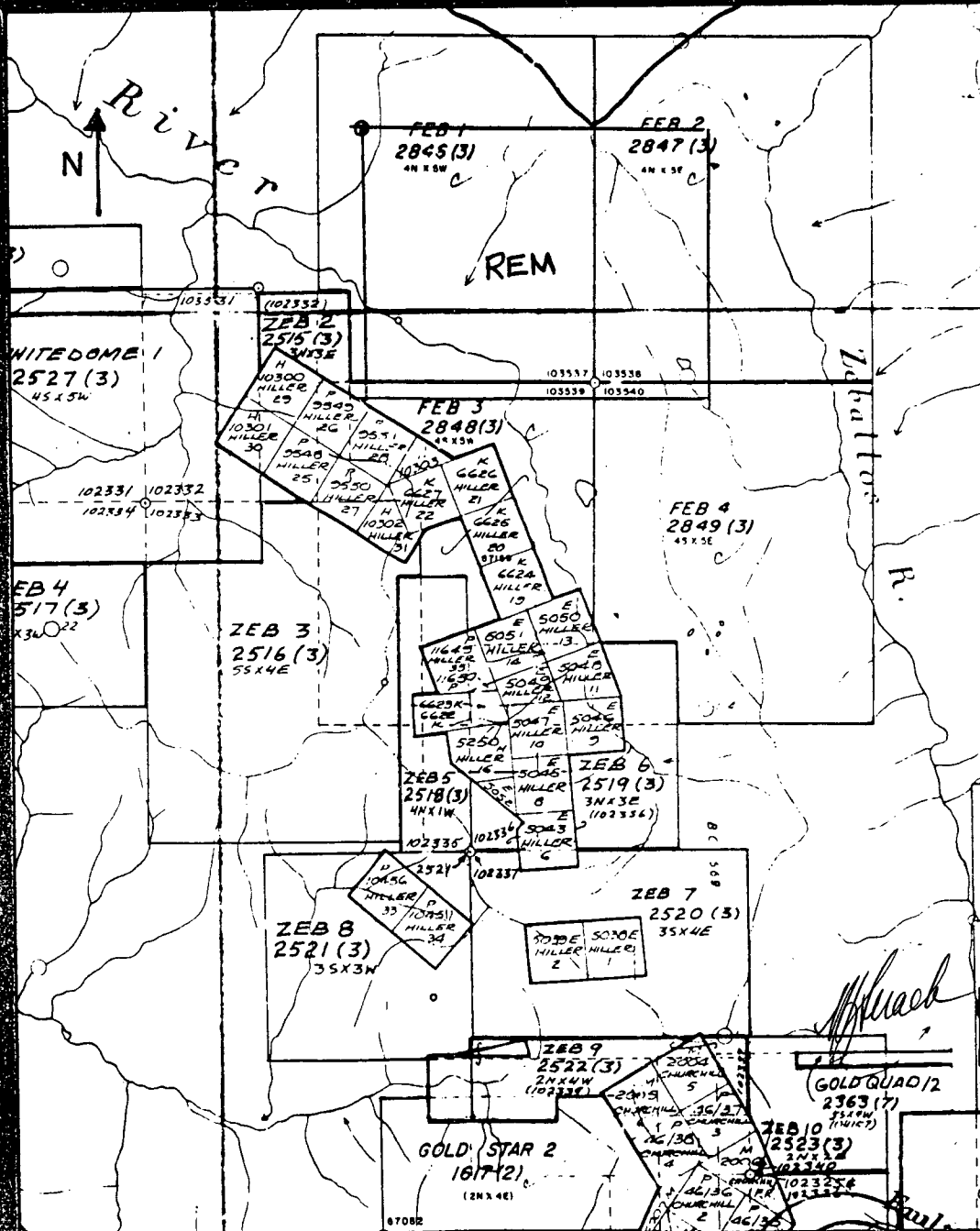
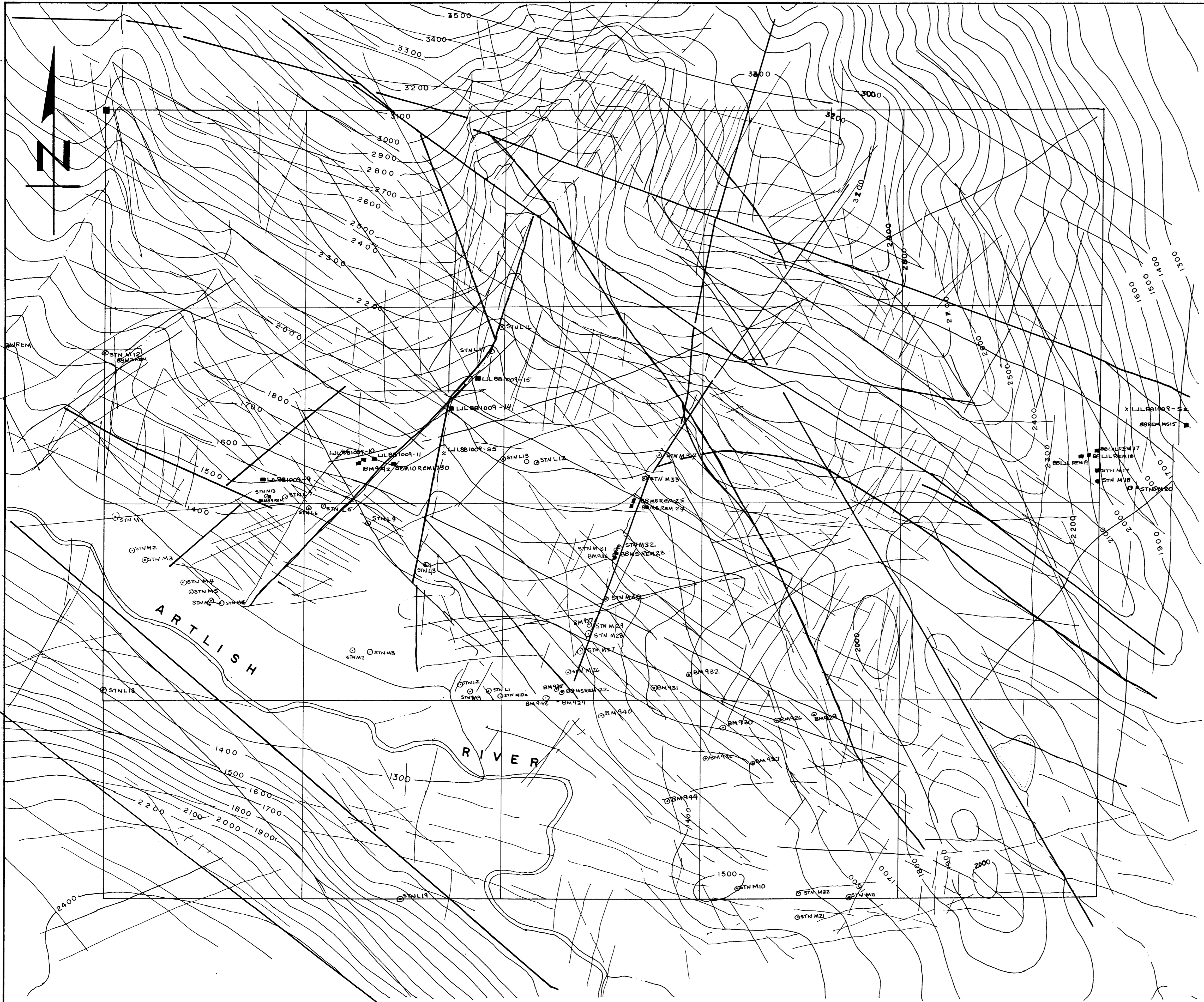
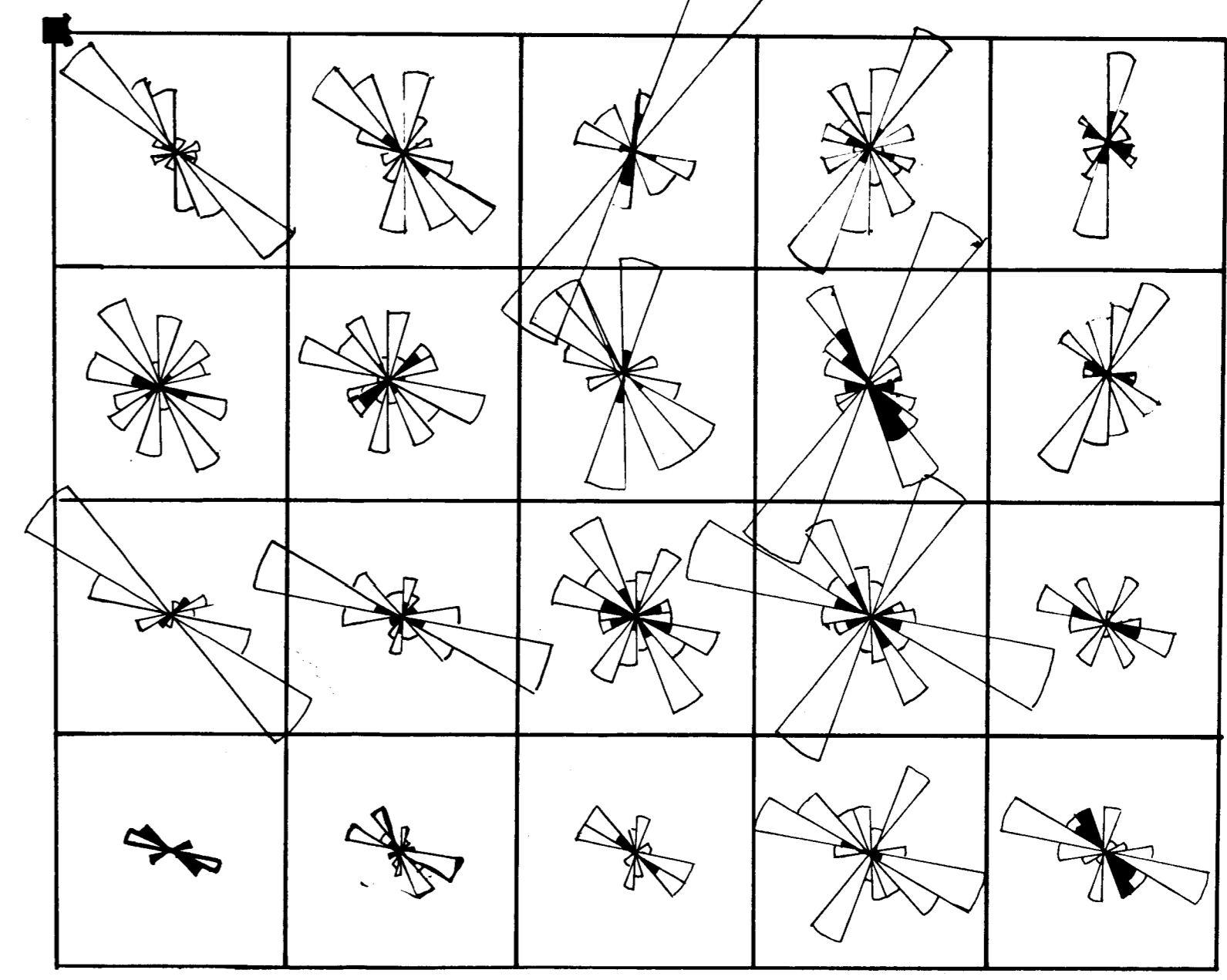


FIGURE 2 - CLAIM MAP

SCALE 1" = 60,000'



ROSE DIAGRAM OF STRUCTURAL ORIENTATIONS



SHADED AREAS REPRESENT ORIENTATIONS OF MAJOR STRUCTURES

LEGEND

- 2400 — CONTOUR ELEVATION IN FEET
- STREAM
- MINOR STRUCTURE
- MAJOR STRUCTURE
- STN M0 PROSPECTING STATION
- ROCK SAMPLE LOCATION
- X SILT SAMPLE LOCATION
- LEGAL CORNER POST AND CLAIM LINE
- CLAIM UNIT BOUNDARIES

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,956
92 L2W

REM CLAIMS

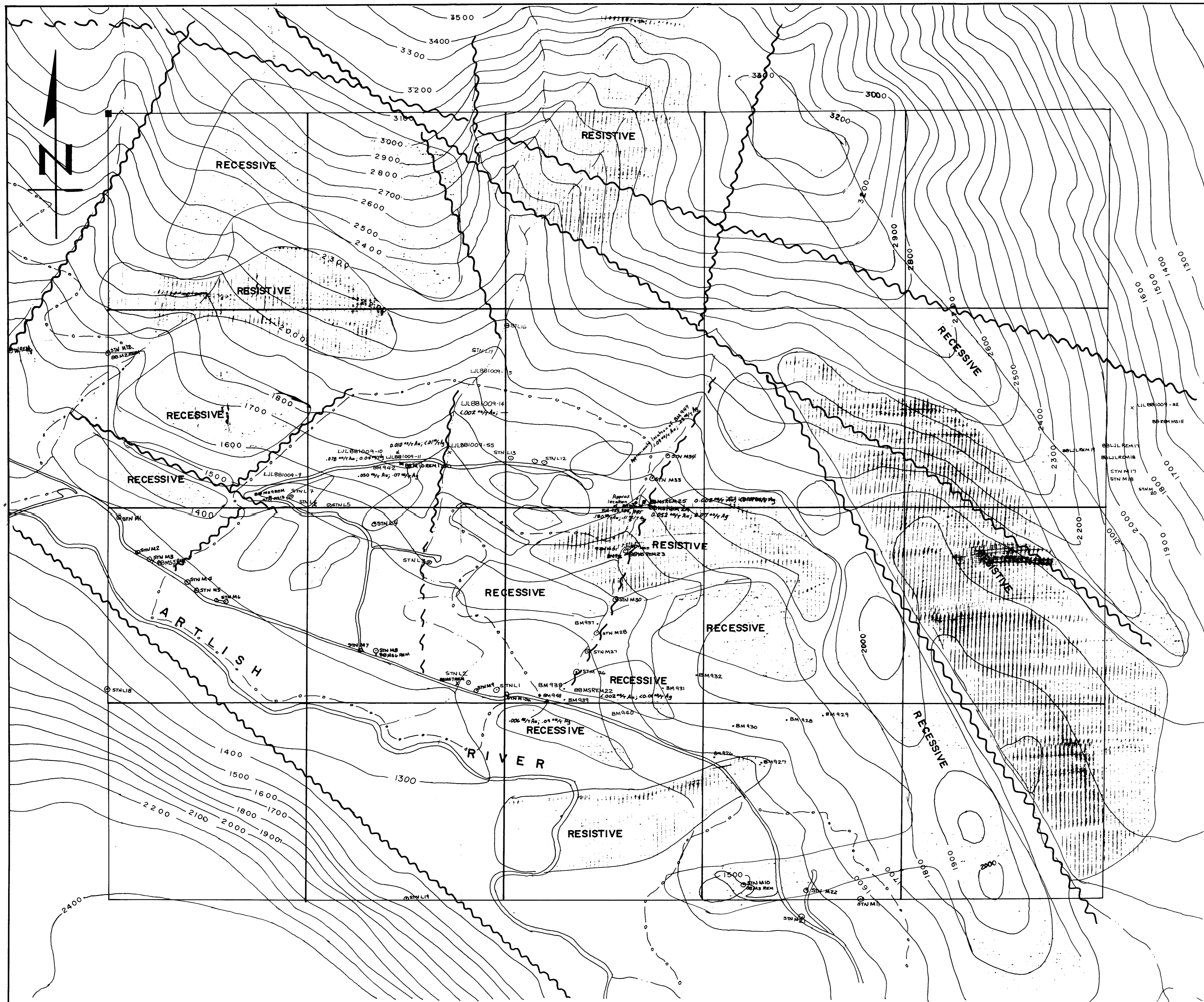
AIRPHOTO STRUCTURAL INTERPRETATION



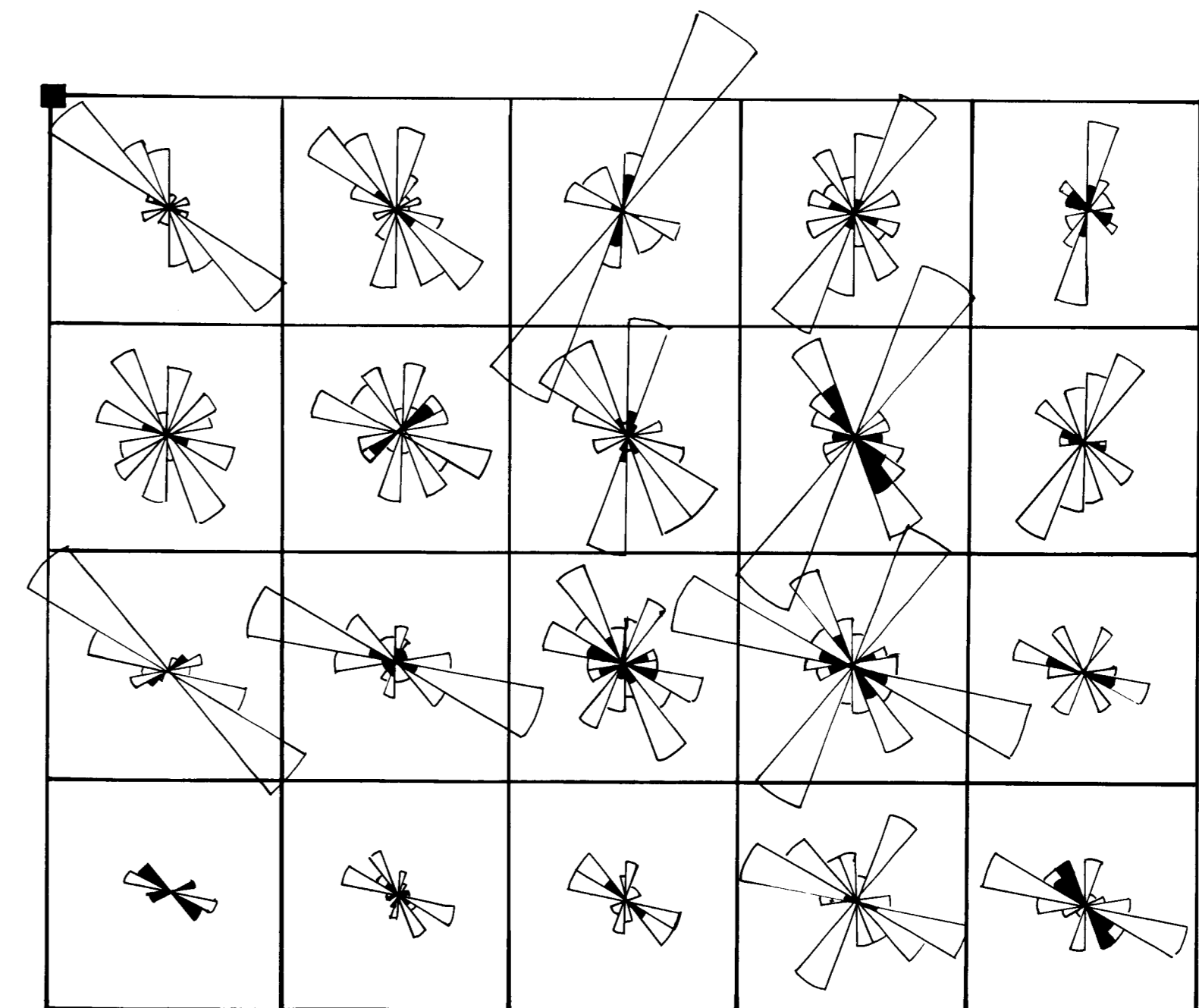
FIGURE 5

SCALE: 1:5000





ROSE DIAGRAM OF STRUCTURAL ORIENTATIONS



SHADED AREAS REPRESENT ORIENTATIONS OF MAJOR STRUCTURES

LEGEND

- 2400 — CONTOUR ELEVATION IN FEET
- STREAM
- ROAD
- FAULT
- CUTBLOCK BOUNDARY
- LEGAL CORNER POST AND CLAIM LINE
- UNIT BOUNDARIES
- PROSPECTING STATION
- ROCK SAMPLE
- x SILT SAMPLE

Sample #	Elements (in %)						
	Al	Ca	Fe	K	Mg	Na	Ti
LJL BB 1009-09	2.80	2.38	3.78	0.01	1.83	0.01	0.62
LJL BB 1009-15	4.55	0.48	12.75	0.08	3.35	0.01	0.04
BB LJL REM-17	2.28	2.49	3.32	0.01	1.47	0.01	0.56
BB LJL REM-18	3.59	2.40	6.12	0.06	2.68	0.02	0.57
BB LJL REM-19	4.05	3.24	7.12	0.05	4.22	0.02	0.71
BB MS REM-15	5.81	0.93	7.44	0.07	2.64	0.01	0.53
BB MS REM-23	3.48	3.24	6.56	0.06	3.89	0.01	0.57
BB M2 REM	3.28	3.15	4.47	0.01	2.19	0.02	0.56
BB M3 REM	0.43	13.60	0.88	0.01	0.46	0.01	0.10
BB M4 REM	1.24	12.85	1.57	0.04	1.05	0.01	0.11
BB M10 REM-1730	2.11	1.01	3.44	0.01	1.83	0.02	0.31
W REM	2.32	4.51	5.05	0.01	2.01	0.01	0.40
BB M55 REM	3.70	2.28	6.62	0.01	2.67	0.02	0.60
BB M56 REM	6.23	0.40	10.25	<0.01	0.30	0.01	0.29
BB M57 REM	3.99	1.47	6.21	0.01	2.10	0.01	0.50
BB M58 REM	3.09	1.98	6.05	0.01	2.06	0.03	0.68
LJL BB 1009-52	4.13	2.10	5.31	0.03	2.18	0.03	0.44
LJL BB 1009-55	4.37	1.65	6.96	0.02	2.18	0.03	0.56
LJL BB 1009-10	2.51	0.44	4.64	0.02	2.08	0.02	0.61
LJL BB 1009-11	1.41	0.44	6.35	0.20	1.15	0.02	0.19
LJL BB 1009-14	4.35	0.66	8.78	0.02	4.62	0.04	0.33
BB MS REM-22	2.17	0.50	3.83	0.01	2.20	0.02	0.43
BB MS REM-24	0.51	0.24	5.81	0.01	0.35	0.01	0.08
BB MS REM-25	0.87	1.38	2.07	0.01	0.19	0.01	0.28

Sample #	Elements							
	Au ppb	Ag ppm	As ppm	Ba ppm	Co ppm	Cr ppm	Cu ppm	Mn ppm
LJL BB 1009-09	<5	<0.2	<5	<10	23	163	178	429
LJL BB 1009-15	<5	<0.2	<5	30	30	134	42	4610
BB LJL REM-17	<5	<0.2	<5	<10	16	172	29	502
BB LJL REM-18	<5	<0.2	<5	10	34	193	61	2270
BB LJL REM-19	45	<0.2	<5	30	40	239	1585	840
BB MS REM-15	—	<0.2	20	10	34	127	179	5090
BB MS REM-23	45	<0.2	10	30	37	20	1285	819
BB M2 REM	3	<0.2	5	<10	25	105	11	988
BB M3 REM	3	<0.2	5	<10	4	97	6	359
BB M4 REM	7	<0.2	<5	<10	10	119	17	399
BB M10 REM-1730	2	<0.2	<5	<10	17	249	19	610
W REM	39	6.8	5	<10	20	144	710000	901
BB M55 REM	10	<0.2	5	<10	34	71	152	945
BB M56 REM	16	<0.2	35	50	374	122	85	710000
BB M57 REM	3	<0.2	15	10	36	95	156	1255
BB M58 REM	8	<0.2	<5	10	29	82	119	803
LJL BB 1009-52	<5	<0.2	5	30	42	86	156	1645
LJL BB 1009-55	25	<0.2	15	20	45	119	106	1930
LJL BB 1009-10	—	0.8	<5	<10	42	68	3590	618
LJL BB 1009-11	—	0.2	<5	10	39	51	164	319
LJL BB 1009-14	—	0.2	<5	<10	39	29	121	1140
BB MS REM-22	—	0.2	<5	<10	27	138	165	538
BB MS REM-24	—	1.2	5	<10	38	32	10000	170
BB MS REM-25	—	0.2	5	<10	5	33	265	208

Sample #	Elements (ppm)									
	Mo	Ni	Pb	Se	Si	V	W	Zn	As	U
LJL BB 1009-09	<1	72	390	<2	10	238	126	<5	53	
LJL BB 1009-15	1	41	500	<2	23	14	215	<5	45	
BB LJL REM-17	<1	47	370	<2	11	343	106	<5	45	
BB LJL REM-18	<1	53	390	<2	21	115	200	<5	76	
BB LJL REM-19	<1	101	620	<2	23	62	200	<5	111	
BB MS REM-15	4	43	870	<2	34	16	206	<5	70	
BB MS REM-23	<1	94	570	<2	22	56	175	<5	103	
BB M2 REM	<1	65	390	<2	8	127	166	5	95	
BB M3 REM	<1	13	160	<2	1	458	28	5	9	
BB M4 REM	<1	27	220	2	5	218	45	5	18	
BB M10 REM-1730	<1	36	140	2	8	118	130	10	52	
W REM	1	55	370	6	7	37	131	<5	47	
BB M55 REM	<1	65	450	<2	13	92	207	10	88	
BB M56 REM	2	35	890	12	14	15	120	<5	88	
BB M57 REM	1	66	420	48	14	38	178	5	96	
BB M58 REM	<1	56	400	4	12	33	227	5	69	
LJL BB 1009-52	<1	72	490	<2	15	56	156	<5	114	
LJL BB 1009-55	<1	116	430	<2	15	27	223	<5	144	
LJL BB 1009-10	<1	38	770	8	16	34	222	<5	109	
LJL BB 1009-11	<1	35	380	9	8	6	109	<5	50	
LJL BB 1009-14	<1	24	680	<2	10	24	129	5	98	
BB MS REM-22	<1	79	260	<2	7	19	86	<5	61	
BB MS REM-24	4	28	30	<2	2	28	28	<5	70	
BB MS REM-25	<1	14	210	<2	5	165	62	<5	9	

Values in Be, Bi, Cd, La, Sb, Ti, U, are at or below the detection limit for all samples

SCALE 1:5000
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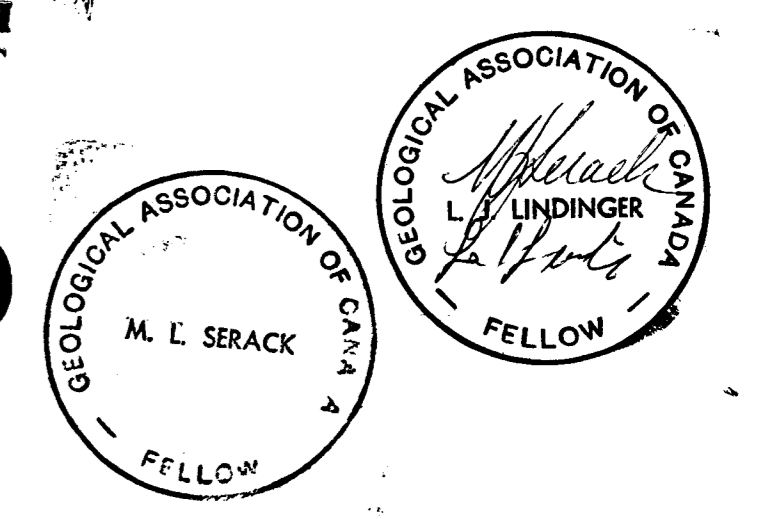
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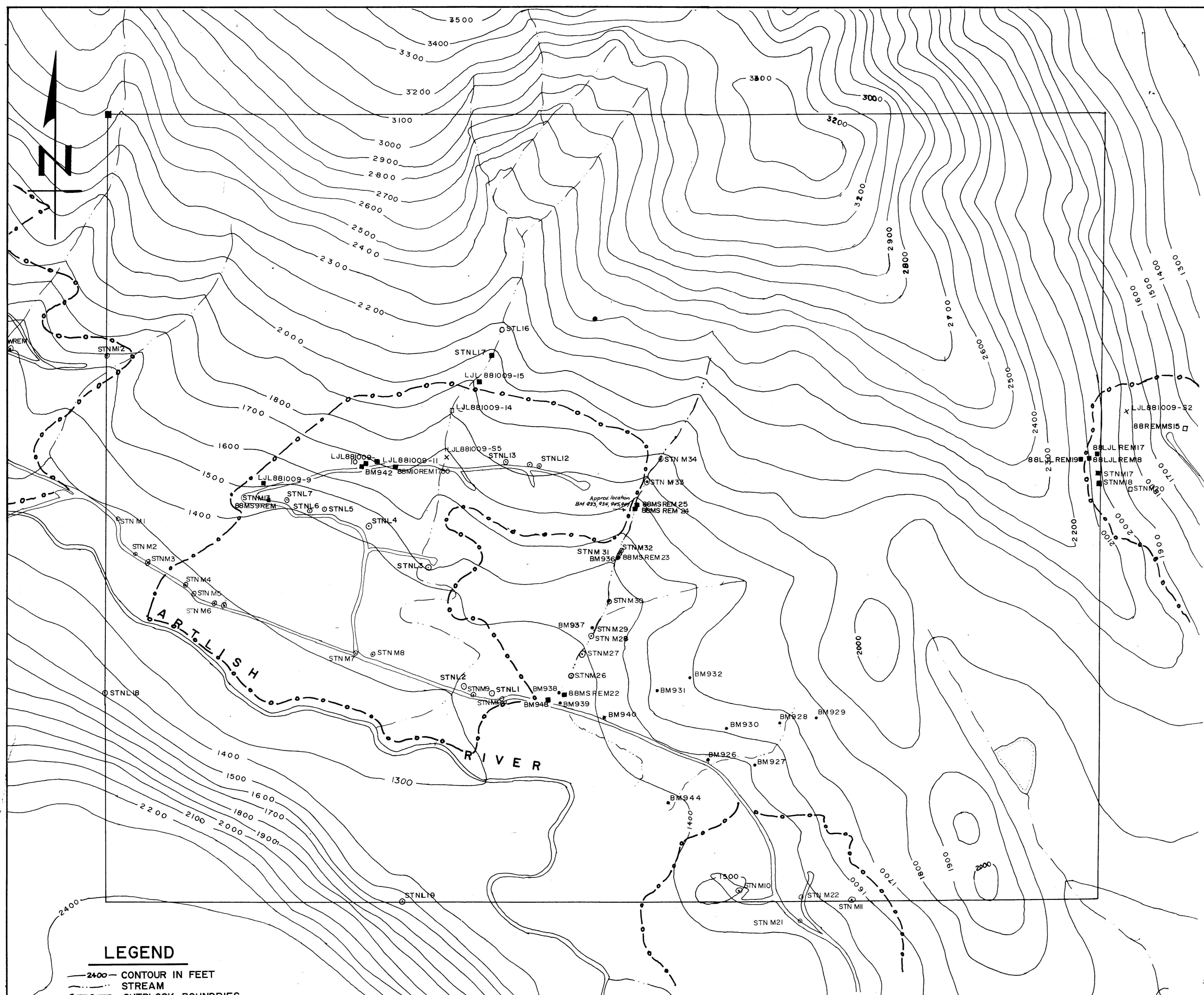
AIR PHOTO INTERPRETATION
ANALYTICAL RESULTS

FIGURE 4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,956





Station #	Sample #	Description
	BM 926	Soil Sample
	BM 927	Soil Sample
	BM 928	Soil Sample
	BM 929	Soil Sample
	BM 930	Soil Sample
	BM 931	Soil Sample - close to Quartz Vein in Creek
	BM 932	Soil Sample - adjacent to Quartz Vein in Creek
	BM 933	Soil Sample
	BM 934	Soil Sample - adjacent to Quartz Vein in Creek
	BM 935	Soil Sample
	BM 936	Soil Sample
	BM 937	Soil Sample
	BM 938	Soil Sample - adjacent to Quartz Vein in Creek
	BM 939	Soil Sample - east side of rock quarry
	BM 940	Soil Sample - adjacent to creek
	BM 941	Soil Sample - location unknown
	BM 942	Rock chip over 2 ft Quartz Vein on Artlish RD offgully road
	BM 943	Soil Sample - location unknown
	BM 944	Soil Sample
	BM 945	Rock chip - silicified outcrop with pyrite and minor chalcopyrite
	BM 946	Rock - location unknown
	BM 947	Rock chip - quartz boulders with pyrite and minor chalcopyrite in creek
	BM 948	Rock chip - pyrite streakwork boulders in rock quarry
STN L1		Outcrop - dark brown to black, buff weathering, coarsely bedded, mafic tuff or crystalline flow; strike 130° dip 30° SW
STN L2		Outcrop - dull black, massive fine grained basalt cut by random quartz-epidote-calcite veins and stringers
STN L3		Outcrop - dark grey green massive fine grained mafic argillite (basalt) with 1-3mm subhorizontal white feldspar; strike 145° - cross cut by feldspar-epidote veins - 5-1cm thick striking 40° - 90° dipping vertical
STN L4		Outcrop - melanocratic green black massive fine grained basalt cross-cut by numerous white quartz, feldspar, epidote, calcite veins stringers and clefts. Generation D 120° - 90°, @ 170° - 90°, @ 30° - 90°
STN L5		Outcrop - buff green cryptocrystalline with black mafic clefts. Numerous white quartz calcite filled vesicles; vesicular basalt flow; strike 130° steep to vertical
STN L6		Fault - 5-10m unweathered gouge and rock fragments; strike 040° dip vertical; horizontal slickensides
STN L7		Rock grades from black to dark green with alteration increasing westward; Quartz veining increases from 1-3% hardness increases from 4/65
STN L8		Fault - numerous breccia stringers of white quartz-epidote-ankerite veins; strike 030° dip vertical
STN L9	LJL 881009-09	Quartz-epidote-ankerite veins up to 3cm thick; strike 020°-070° vertical dip, late stage mineral, sulfide stringers within vein core
STN L10	LJL 881009-10	Wall rock slightly bleached mafic volcanic flows
STN L11	LJL 881009-11	Quartz-epidote-pyrite veining in 40cm thick shear zone; individual veins 7cm thick with 15% coarse sulfides (also BM 942)
STN L12		Quartz-epidote with minor sulfides cutting sheared basalt, veining up to 12cm thick
STN L13		Fault bounded silvers of soft brown sediments (Parson's Bay Shales)
STN L14	LJL 881009-14	Melanocratic epidote-pyrite-garnet altered mafic volcanic
STN L15	LJL 881009-15	Dark green-black chloritically altered basic volcanic boulder with numerous amo cutting pyrite-arsenopyrite veins and disseminations
STN L16		Brown oxidized clay gouge zone 1-3cm thick strike 040° dip 70° N
STN L17		Ivory, brown weathering banded carbonate veining in major shear zone. Banded, stretched and filled veins up to 6cm thick
STN L18		Grey massive fine grained 'Quartzite' limestone exposed at base of cliff face.
STN L19		Similar to STN L18
STN L20	BB LIL REM-17	Medium grey green, buff white weathering bleached epidotized volcanic
STN L21	BB LIL REM-18	Medium grey green mottled carbonate-chlorite altered and bleached, brecciated volcanic
STN L22	BB LIL REM-19	Similar to BB LIL REM 18
STN M1		Fine grained blue-grey to green andesite, chloritized, minor epidote alteration along fractures forming halos up to 2cm wide, no sulfides present
STN M2		Andesite similar to STN M1 but cut by quartz carbonate veining at approximately 2m intervals
STN M3	BB MS REM	Stream silt sample - ferra crete gravel dominant
STN M4		Blue green volcanic andesite-basalt, weathers rusty brown
STN M5		Blue green volcanic, slightly more fractured, epidote along hairline fractures and irregular areas
STN M6		Coarser grained blue green volcanic weathers rusty
STN M8	BB MS REM	Stream silt - coarse materials few fines
STN M9		Green volcanic, epidote alteration and bleaching along hairline fractures, trace amounts of quartz-carbonate in tension gashes and fracture fillings
STN M10a		Dark green black basalt with 1% disseminated amygdules or clefts
STN M10	BB MS REM	Green to blue green massive andesite to basalt. Cut by numerous quartz carbonate veins with trace pyrites, veining as exposed in quarry wall appears to be structurally controlled and the density of veining has a ribboned appearance
STN M11		Altered green andesite to basalt, amygdules of quartz/silica stand out in relief on weathered surface, cross cut in numerous directions by quartz veining
STN M12		Altered green andesite to basalt, amygdules of quartz/silica stand out in relief on weathered surface.
WREM	WREM	Relatively fresh andesite to basaltic volcanics, fractures bear quartz carbonate ± malachite
BB M10 REM 1730		Contact between limestone pod and green volcanic marked by narrow 3inch quartz vein with sulfides, more quartz veins occur in the volcanics to the S.E. of access road
BB MS REM		Contact between two different green volcanics. Flow marked by quartz veining 3" thick, minor ankerite, calcite, vossites in flow top filled with salmon colored feldspar + quartz + calcite, flow top approximately 1m thick
STN M13	BB MS REM	Contact between two different green volcanics. Flow marked by quartz veining 3" thick, minor ankerite, calcite, vossites in flow top filled with salmon colored feldspar + quartz + calcite, flow top approximately 1m thick
STN M17		Dark green andesite to basaltic volcanics, alteration along fractures
STN M20		Dark green andesite to basaltic volcanics, cut by horizontal veining and brecciation
STN M21		Fault gouge, rusty V-shaped zone approximately 1.5m wide cuts unweathered light grey green andesite, approx. strike 050°
STN M22		Contact dark green volcanics with white bleached silicified and sheared volcanics strike 340° dip 85° east. Horizontal movement on slickensides minor chalcopyrite, partially silicified patches appear black sucrose and dense

LEGEND

- 2400 CONTOUR IN FEET
- STREAM
- CUTBLOCK BOUNDRIES
- ROAD
- PROSPECTING STATION
- SILT SAMPLE LOCATION
- ROCK SAMPLE LOCATION
- SOIL SAMPLE LOCATION
- LEGAL CORNER POST AND CLAIM LINE

Station #	Sample #	Description
STN M25	BB MS REM 22	3 inch quartz vein with trace fine grained sulfides cutting chloritized andesite; alteration halo 1/2 meter, host rocks have augite clefts, sulfide stringers parallel vein; magnetic; str 159° dip 72° E;
STN M26		Fine grained green andesite with irregular to subrounded inclusions of finer grained green andesite
STN M27		Faulted Quartz vein offset by 1meter. Big 159° dip 70° E, 3cm wide, host rock porphyritic dark green andesite epidote altered on vein selvages
STN M28		3 inch banded quartz vein dips vertically; no obvious sulfides; host rock altered andesite contains cherry bands
STN M29		Float rusty weathering andesite, non-magnetic contains 10% irregular cubic green pyrite
STN M30		Fine grained dense basalt, magnetic, trace fine grained disseminated sulfides
STN M31		Float-quartz containing pyrite, Outcrop black dense basalt
STN M32	BB MS REM 23	Porphyritic andesite with epidote altered phenocrysts, orange rusty alteration, phenocrysts of salmon colored feldspar, contains trace chalcopyrite, stibnite, calcite
	BB MS REM 24	Quartz vein striking 146° - 2meters thick, alters cream brown, contains blebs of chalcopyrite and stringers of pyrite; shear zone upper contact .3m; lower contact epidote altered approx. 1m thick
	BB MS REM 25	Barren quartz vein with 30cm epidote alteration halo; strike undulating approx. 230° vertical apparent dip
STN M33		30cm-2 meter wide barren white quartz vein
STN M34		Feldspar porphyry andesite

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REM CLAIMS 92 L 2 W

PROSPECTING STATIONS AND SAMPLE DESCRIPTIONS

FIGURE 3 SCALE: 1:5000

METRES 0 100 200 300 400 500

ASSOCIATION OF CANADA
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