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LAC MINERALS LTD

1222

Royer 1, 2, 3 Mineral Claims

Report on Soil Geochemistry and Linecutting in 1988

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VANCOUVER, B.C.

Cariboo Mining Division

N.T.S. 930/3E

Latitude: 55°, 05'
Longitude: 123°, 10'

Owner, Operator: LAC Minerals Ltd.
#1050 - 1055 West Hastings Street
Vancouver, B.C. V6E 2E9

Author: Robert F. Brown, P.Eng.

Date: December 10, 1988

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,157

To Whom it May Concern:

Please keep this information on the Royer 1, 2, 3, claims
confidential for two (2) years.

Robert F. Brown, P.Eng.
December 14, 1988

TABLE OF CONTENTS

	page
Introduction	1
Costs Occurred for Assessment	1
Location and Access	1
Topography and Vegetation	1
General Geology	2
Linecutting	3
Soil Geochemistry	3
Discussion	4
Conclusions	6
Recommendations	6
References	7
Statement of Qualifications	8

TABLES

Royer Claims Status	Table #1
Soil Geochemical Survey Statistics for Fig. #3,4,5	Table #2
Rock Samples taken at the Royer 1, 2, 3 claims	Table #3
Royer Claims summary of Soil Anomalous areas	Table #4
Details of Analytical Procedure by Bondar-Clegg	Table #5

FIGURES

Royer Claims Location Map 1:2,000,000	Figure #1
Royer Claims Location Map 1:50,000	Figure #2
Soil Geochemistry Au, As, Ag 1:5000	Figure #3
Soil Geochemistry Cu, Zn 1:5000	Figure #4
Soil Geochemistry Cd, Mo, Pb, Sb, Hg 1:5000	Figure #5
Regional Geology 1:250000	Figure #6
General Geology 1:50,000	Figure #7

APPENDICES

Bondar-Clegg Geochemical Lab Reports V88-08199.0 and V88-05095.0	Appendix 1
Bondar-Clegg Geochemical Statistics package 7-Nov-88	Appendix 2
Itemized Cost Statement	Appendix 3

Royer Claims

Introduction

The Royer 1, 2 mineral claims were staked on good stream sediment geochemistry results which drained the east and south sides. Follow up work prior to staking confirmed the stream sediment results and located two areas, one of limonitic alteration and the second of pyritic mineralization, both of which were geochemically enhanced.

Royer 3 mineral claim was staked to fully cover the pyritic outcropping area.

Several days after the Royer 1-2 mineral claims were staked the Father Mark 6, 10, 11 mineral claims were alien staked by D.R. Bennett of Vancouver, B.C. which abut along the south side of Royer 1, 2 and abut along the north side of Royer 1. (see Figure #2, Table #1)

Costs Occurred for Filing Assessment

Monies spent on the Royer claims 1-3 were mainly occurred by Amex Exploration Services Ltd., of Kamloops, B.C., who were contracted to cut lines and soil sample. P. Chong of Burnaby, B.C. was contracted to draft all data, mainly soil geochemical plan maps. Bondar Clegg and Company Ltd. of Vancouver, B.C., were contracted to analyze all soil samples. The program was coordinated and early (pre-staking) sampling was done by R.P. Brown, P.Eng.. Costs are summarized in Appendix #3.

Location and Access

The Royer 1, 2, 3 area is located on N.T.S. 930/3E adjacent to and north of Royer Lake. Access is by paved highway #97 north for 150 km from Prince George. A major logging road heading west from highway #97 (1.5 km south of the major Parsnip R. bridge) is taken for 10 km to a point 200m west of the Pack River crossing where a secondary logging road (SABAI L.) heads south. This secondary road cuts the S.E. corner of the Royer 1 claim, 12 kilometers south of its origin. (Figure #1, 2)

Topography and Vegetation

The terrain consists of modest rolling hills with elevations of 1000-1100m. To the west and east N-S trending major swamps enclose the claims area. On the claims there is little outcropping except along two hill ridges and on occasion along steep stream embankments.

Vegetation consists of mixed coniferous and deciduous forest with heavy undergrowth of tag alders.

General Geology

The Royer claims are situated on Slide Mountain Terrane rocks west of the Northern Rocky Mountain trench strike slip fault and east of the Wolverine Metamorphic Core Complex. They cover an area of mid Paleozoic (Mississippian?) oceanic rocks known as the Slide Mountain Group. The Slide Mtn. Grp. consist of argillite, limestone, chert, greywacke, basaltic pillow lavas, andesites and associated diorites (Figure #6).

The immediate south N.T.S. 92J sheet was mapped by J.E. Armstrong, H.W. Tipper and J.W. Hoadley in 1945; H.W. Tipper in 1961 (west of Rocky Mountain Trench fault); and J.E. Muller in 1961 (east of the Rocky Mountain Trench fault) as G.S.C. Map 1204A McLeod Lake on 1 inch to 4 mile scale. The geology of the Royer area was mapped by J.E. Muller in 1959, 1960 as G.S.C. Map 11-1961, Pine Pass on 1 inch to 4 mile scale (1:253440.)

Major outcrops on and around the Royer Claims (Figure #7) were mapped prestaking and consist of argillites along the south side and siltstones to the east. On the Royer 2 claim there is one large outcrop in an east flowing creek cut which is limonitic siltstones with argillitic partings, the outcrop shows structural contortion by shearing. On the Royer 1, 2 boundary about 800m north of the south boundary a hill top has exposure of siltstone. The Royer 1 claim has a large (1 km) E-W trending outcrop about 500m south of the northern E-W claim line. It consists of massive andesites with up to 2% disseminated pyrite. Further westward the texture coarsens into a pyritic (1%), magnetitic (1%) diorite which is coincident with a high aeromagnetic feature (B.C. - Canada Geophysical Series Map 7227G, Pine Pass British Columbia, Sheet 92Ø).

Structurally little is know due to sparse outcrop. Assembled structural data shows a general NW-NNW trend to bedding with steep east or west dips to shallow west dips. Schistosity tends to cross the bedding in a NNE trending, steep dipping pattern, although NW trending, 75° SW dipping schistosity has been mapped.

Linecutting

Amex Exploration Services of Kamloops, B.C. staked the Royer 3 then immediately afterwards started blazing and flagging east-west lines at 400 meters centers. Stations were established every 50m on the lines. A base line was established along the Royer 1-2 common boundary. Over all 43 km of line was blazed and flagged.

Soil Geochemistry

Soil samples of the "B" soil horizon (10-15cm depth) or if necessary the upper "C" were taken by shovel by the Amex Exploration Services crew. The Amex crews are trained to recognize the necessary horizon to be sampled. Bog, swamp or organic "A" horizon samples were not collected and if no underlying B-C horizon could be reached no sample was taken at that point. As a result on the Bondar Clegg Geochemical Report #V88-08199.0 (Appendix #1) there are 128 sample sites denoted as "EB" or empty bag. There were 566 samples collected by Amex of which 2 were of insufficient size so that 564 samples were analysed for the LAC package. Bondar Clegg was also instructed to run their geochemical geostatistical package (Appendix 2) which includes a correlation matrix and individual element histograms with associated statistics.

The samples were collected at the 50m flagged stations (0+00E-50+00E) along all 7 lines (L0+00N, L4+00N, L8+00N, L12+00N, L16+00N, L20+00N, L24+50N). Stations where no sample was collected are denoted with a "N" on Figures #3,4,5. Soil samples were denoted by grid location (i.e. L4+00N, 20+50E)..

All elements analysed are plotted on Figures #3-5. Elemental values greater than mean plus two times standard deviation ($>x+2\sigma$) (from Table #2) are denoted with two dots placed under the number.

Strong correlations exist between Ni and Fe, Fe and As, Mn and Ag, Pb. (see Appendix #2).

As noted above Bondar-Clegg did all analysis of soils on the Royer claims. The details of the analysis including size fraction, extraction and method are detailed along with the analysis in Appendix #2 and Table #5.

TABLE #1

Royer Claims Status

<u>Mineral claim</u>	<u>Record Number</u>	<u>Record Date</u>	<u>Expected New Expiry Date</u>
Royer 1	9277	August 3, 1988	August 3, 1992
Royer 2	9278	August 3, 1988	August 3, 1992
Royer 3	9370	August 3, 1988	September 18, 1992

TABLE #2

SOIL GEOCHEMICAL SURVEY STATISTICS
 (see also FIGURE #3,4,5; Appendix 2)

ELEMENT	$\geq \bar{X} + 1\sigma^*$ to $\bar{X} + 2\sigma$	$\geq \bar{X} + 2\sigma$
Au	$\geq 4 - 23$ ppb	≥ 24 ppb
As	$\geq 20 - 48$ ppm	≥ 49 ppm
Ag	$\geq 0.7 - 1.3$ ppm	≥ 1.4 ppm
Cu	$\geq 60 - 274$ ppm	≥ 275 ppm
Zn	$\geq 159 - 459$ ppm	≥ 460 ppm
Cd	$\geq 1.0 - 1.9$ ppm	≥ 2.0 ppm
Mo	$\geq 3.0 - 5.0$ ppm	≥ 6.0 ppm
Pb	$\geq 14 - 33$ ppm	≥ 34 ppm
Sb	less than detection limit	≥ 5 ppm
Hg	$\geq 94 - 237$ ppb	≥ 238 ppb

* \bar{X} = mean value from Appendix #2
 σ = standard deviation from Appendix #2

TABLE #3

Rock Samples on the Royer 1,2 3 Mineral Claims*

SAMPLE

88R63	rusty (L1) metasediments, schistose, argillite and siltstone
88R66	medium grained green andesite, limonitic
88R67	rubber outcrop of friable andesite, limonitic, pyrrhotite
88R68	non-magnetic diorite, limonitic
88R69	coarse grained diorite, magnetite, pyrite, limonite
88R58	rubble, marble with green micas, quartz veins and pyrite, also some altered argillite in ditch.

* for analysis see Appendix 3

TABLE #4

ROYER CLAIMS SUMMARY OF SOIL ANOMALOUS AREAS

#	Location	Elements (major/minor)	HOST ROCK	Possible Deposit Type
I	L8+00N, 0+50-2+50E	Pb/Zn,As,Ag	?	?
II	L0+00N, 8+50-13+50E L4+00, 3+50-10+00E	Ag/Pb,Au,As	argillites?	vein? (high background?)
III	central N-S Royer 1 drainage	Au	glacial features	placer Au
IV (south)	L16+00N, 10+00-21+00E to L12+00N, 9+00-10+00E and L12+00N, 19+50-20+50E	Cu/Ag,Sb,Pb (Au in rocks)	andesite,diorite	either basaltic copper or synvolcanic intrusive hosted Cu-Au
IV (north)	L16+00N, 16+50E and 19+00E to L20+00N, 16+00-21+50E to L24+50N, 14+00-20+50E	Ag/As,Au	argillites?	vein? (high background?)
V	L0+00N, 34+50-40+00E to L4+00N, 32+50-33+50E	Ag/Cd	argillite outcrop to south	vein? (high background?)
VI	L4+00N, 38+00-38+50E	Au/Pb,As	?	?
VII	L4+00N, 48+50-49+50E	Mo/As,Hg,Zn	nearby argillite plus dicrite dykes	veins?
VIII	L24+50N, 34+00-47+50E to L20+00N, 41+00-46+00E and L20+00N, 35+50-36+00E to L16+00N, 42+00-43+50E and L16+00N, 46+50-47+50E to L12+00N, 43+50E and 46+50E	Mo,Zn/Cd,Sb,Hg, Cu,Au,As,Ag	limonitic sheared blocky siltstones with argillite partings.	shears, veins large anomalous envelope around porphyry? to north.
IX	L20+00N, 31+00-32+50E to L24+50N, 26+50-31+50E	(minor) As,Ag,Au	?	?

TABLE #5

Details of Analytical Procedure
by Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5

GEOCHEMICAL LAB REPORT

<u>ELEMENT</u>	<u>Lower Detection Limit</u>	<u>Extraction</u>	<u>Method</u>
Au Gold	1 ppb	Fire-Assay	FIRE ASSAY DCP
Au/wt Sample weight/grams	0.1 G		
Ag Silver	0.5 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
As Arsenic	5 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Cd Cadmium	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Cu Copper	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Fe Iron	0.05 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Mn Manganese	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Mo Molybdenum	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Ni Nickel	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Pb Lead	5 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Sb Antimony	5 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Zn Zinc	1 ppm	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
Hg Mercury	5 ppb	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC

SAMPLE TYPES

SIZE FRACTIONS

SAMPLE PREPARATION

S = Soils

1 = -80

Dry. Sieve -80

REMARKS: "EB" Denotes Empty Sample Bag
"IS" Denotes Insufficient sample

Discussion

The Royer claims were staked on the strength of two stream sediment anomalies, (see regional work 1988 report) one draining the north central part of Royer 2 (multi element) and the other draining the south end of Royer 1 (Au). The Royer 3 claim was added when auriferous magnetitic pyritic diorite was found along the west claim line of Royer 1.

The coarse grained diorite seems to be subextrusive as texture slowly changes to the east into fine grained massive andesites with up to 2% pyrite. These pyritic andesites have anomalous Cu, Au and are extensive over a 1.5 km east-west direction. (see Fig #7) from L16-L20N, 9+00-22+00E area (see Table #3, 88R66-69)

While prospecting up the anomalous creek on Royer 2 an outcrop area was found in the steep creek bank of limonitic shattered siltstone with argillite partings (88R63, Table #3) which was weakly anomalous in Au, Mo, As, Cu, Sb, Hg.

Two major soil sample anomalies reflect the above outcrop areas. They are outline as IV and VIII on Figures #3,4,5.

Overall there are nine (I-IX) geochemical features of various merit to be investigated further.

The first is a Pb, Zn anomaly with subordinate As, Au, located from 0+50-2+00E on L8+00N. The one sample that was Fe rich (>5%Fe) has Cu, Au, As as well as Pb, Zn. An area of weak lead values extends north on to L12+00N, 0+00-4+50E.

Area II extends from L0+00N, 8+50-13+50E northwest to L4+00N, 3+50 - 10+00E. It is Ag anomaly with subordinate Pb, Au, As. There are several Mn anomalies (>1000 ppm) which are associated with Cd, Pb and Ag.

The third (III) anomalous area in Au is probably related to ancient glacial channels as the samples flank present streams and lakes, eskers have also been observed.

The fourth area has two aspects, a more southern Cu feature with scattered Ag, Sb, Pb mainly centered on L16N, 10+00E-21+00E with some extension south to L12N, 9+00-10+00E and L12N, 19+50-20+50E. Over lapping and north is a Ag with As, Au, Cu segment from L16+00N, 16+50E and 19+00E; north through L20+00N, 16+00-21+50E; and north to L24+50N, 14+00-20+50E. Several high Fe values correspond with high Au, As, Ag, Zn values on L20N but do not by any means negate the IV feature.

The Cu, Au anomalous outcrop underlying the IV feature is reflected by the soils, the northern extension of the IV feature (Ag, As, Au Cu) may reflect changing underlying bedrock.

The fifth feature along the south side of Royer 2 claim is a Ag with Cd anomaly stretching from L0+00N, 34+50-40+00E north to L4+00N, 32+50-33+50E. The anomalous samples on L4+00N are also Mn anomalies with associated Cd, Cu, Ag. Outcrop trending WNW on the road south of L0+00, 40+00E is argillite. Argillites in the area are known to be enhanced in Ag, Au, Mo and feature V probably reflects that characteristic.

Feature VI is a two sample Au anomaly with lesser Pb, As on L4+00N, 38+00-38+50E. A zone of slightly higher As values extends 150m to the east.

Feature VII is a Mo anomaly with associated As, Hg, Zn on L4+00N, 48+50 - 49+50E.

The soil geochemistry feature with the most elemental breadth is VIII which is strongest on L24+50N across Royer 2 claim then south across L20+00N and L16+00N. Several elements form overlapping patterns that make up VIII. On L24+50N the overlapping features include Ag, As anomaly from 34+00 - 43+50E and overlapping Mo, Zn with Cd, Hg, Sb, Au, As, Cu from 35+50-47+50E. It is the major Mo, Zn feature that runs south to L20+00N, 41+00-46+50E then splits in two on L16+00N, 42+50-44+00E and 46+50-47+50E. Southwards the Zn and Mo decrease in elemental value while Au, As tend to remain of similar tenor. Further south on L12+00N at 43+50 and 46+50E there is what possibly may be two Au extensions off the L16+00 features.

Feature IX is a weak As, Ag, Au anomaly stretching from L20+00N, 31+00-33+00E and north to L24+50N, 26+50-31+50E. Values are generally weak with only a few As values $>X+2$.

In some of the anomalous features described above there are high Mn (>1000 ppm) or high Fe ($>5\%$) samples. These high values often correspond with other anomalous values and tend to enhance and give further geochemical breadth to samples effected. The credibility of the anomalous features are not effected by the odd Mn, Fe enhanced sample.

Two major ore deposit genetic models have been developed for the mid Paleozoic rocks which include the Slide Mountain Terrane (Turner 1988, Struik 1988). Massive sulfide deposits may be developed in volcanic rocks of mid-Paleozoic age (ie. Samatosum). Chert horizons have been noted at the tops (?) of andesite units overlain (?) by argillites and siltstones. A possible similar situation may exist in the feature IV area where Cu Au rich pyritic andesitic volcanics over an extensive area (>1 km E-W) are associated with a a soil Cu, Ag, Sb, Pb anomaly and an associated Ag, As, Au, Cu feature further north. More mapping and detailed sampling is needed. There are possibilities for the subextrusive diorite (with pyrite, magnetite) to produce a Cu, Au skarn or propylitic zone (Quesnel R. deposit, Placer Dome) Au deposit.

The high Ag values in northern IV, II, V, IX may also be related to high background argillites. Regionally the argillites have high background values, this is due to their proximity to metaliferous andesites in the 93O/3 and 93J/14 area. Extensive areas of brecciation, quartz veining and large limonitic shears in argillites have been traversed on 93J/14. Argillites have been noted just south of V on the road.

Struik's model (1988) entails a Cretaceous - Lower Tertiary pull apart basin (rift) along whose bordering faults and interior fault splays mineralization might occur. One outcrop in the creek between L16+00 and L20+00N, about 43+00E is weakly anomalous in Au, As, Cu, Mo, Pb, Sb and Hg, overlying soils are similarly anomalously inclined. The outcrop is limonitic siltstone with argillitic partings, which is in part highly sheared.

CONCLUSIONS

In conclusion large geochemically anomalous areas have been outlined in a region known for its high background values. Some of the nine features outlined may in fact just reflect higher background but considering the size and magnitude of the elemental values bonafide showings may be present.

Areas underlain by feature I-IX all need more detailed soil and rock sampling. Feature IV and VIII presently rank the most important features due to size, elemental breadth, and known anomalous underlying outcrop.

Robert F. Brown, P. Eng.
December 1988

REFERENCES

Armstrong, J.E.; Tipper, H.W.; Hoadley, J.W.; Muller, J.E.; McLeod Lake,
G.S.C. Map 1204A

Brown, R.F.; 1988; 1988 Regional Work (McLeod Lake Area) for LAC MINERAL LTD.

Muller, J.E.; Pine Pass, G.S.C. Map 11-1961

Struik, B. (G.S.C.) 1988; Exploring the Parsnip, Mining Review, July/August 1988

Turner, B. (G.S.C.); 1988; Massive Sulphide deposits of the mid-Paleozoic Age;
Mining Review, November/December 1988.

STATEMENT OF QUALIFICATIONS

I, Robert F. Brown, P.Eng., reside at 1450 West 64th Avenue
Vancouver, B.C.

I graduated from Queen's University at Kingston, Ontario in 1975
with a B.Sc. Eng. and have been employed as a Project Geologist by LAC
Minerals Ltd. for the past 14 years.

Robert F. Brown, P.Eng.

February 20, 1989

FIGURES # 1 - #7

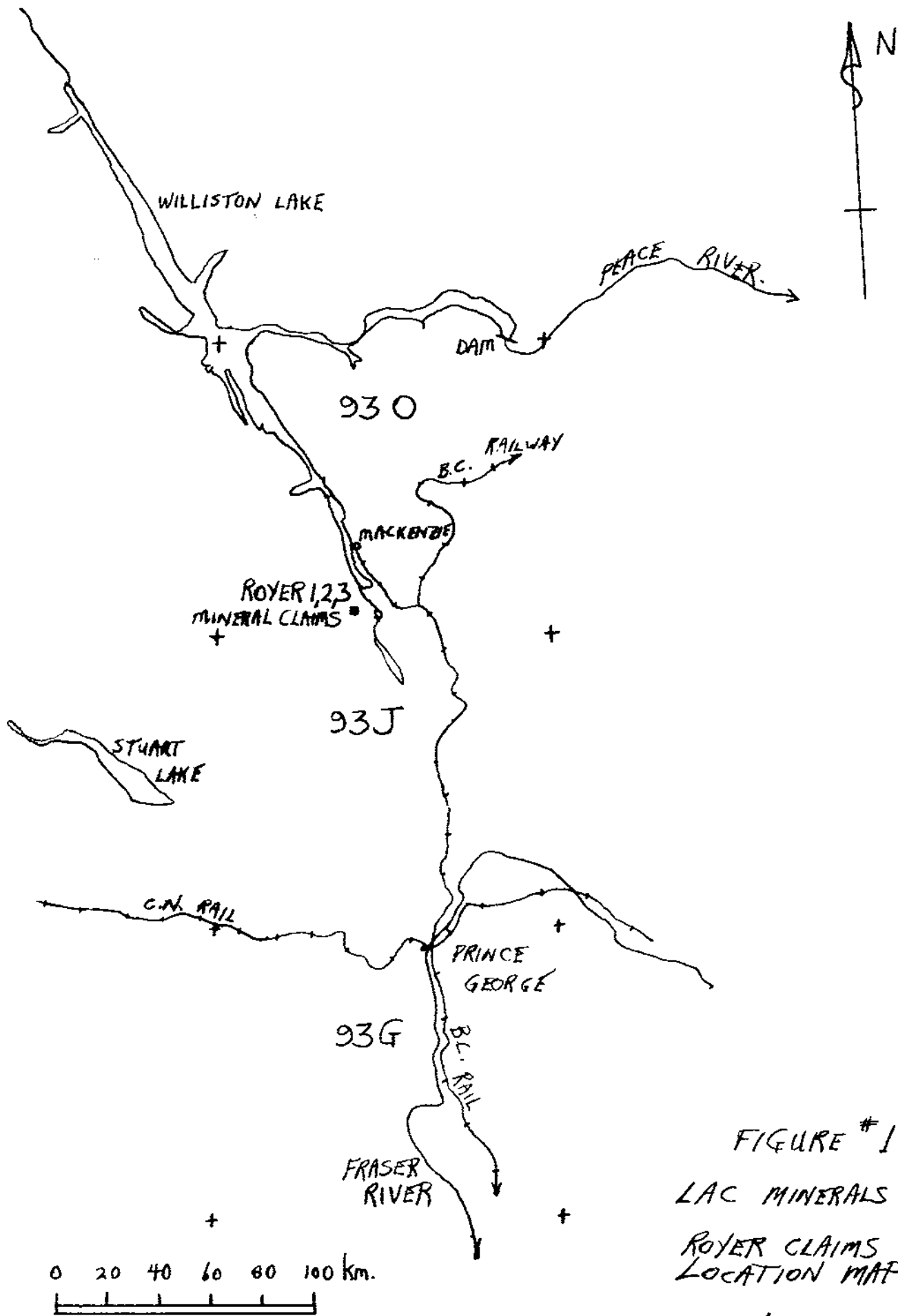
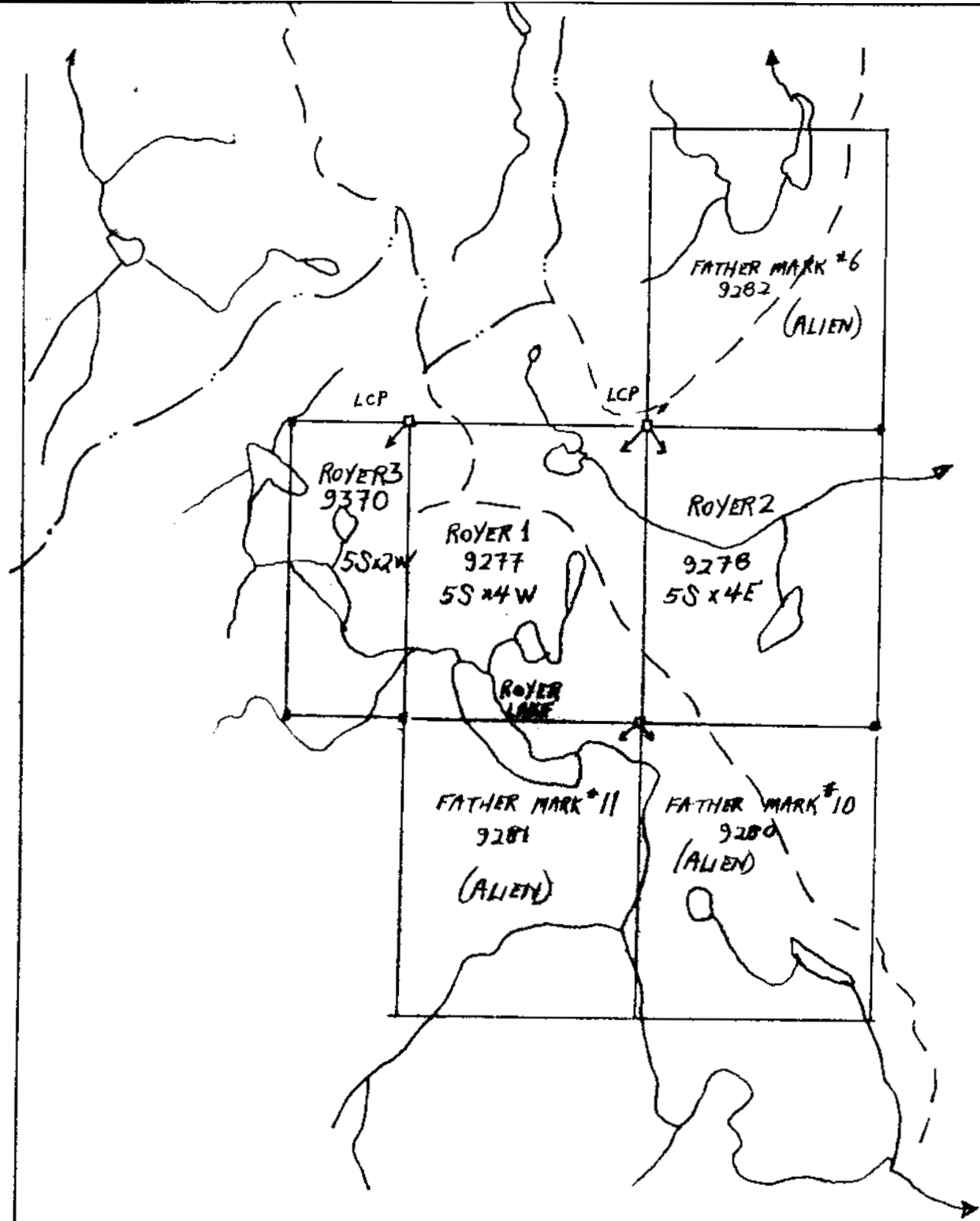


FIGURE #1
 LAC MINERALS LTD.
 ROYER CLAIMS
 LOCATION MAP.
 SCALE 1: 2,000,000.
 N.T.S. 930/3.



55°00'

123°15'

FIGURE #2

LAC MINERALS LTD.

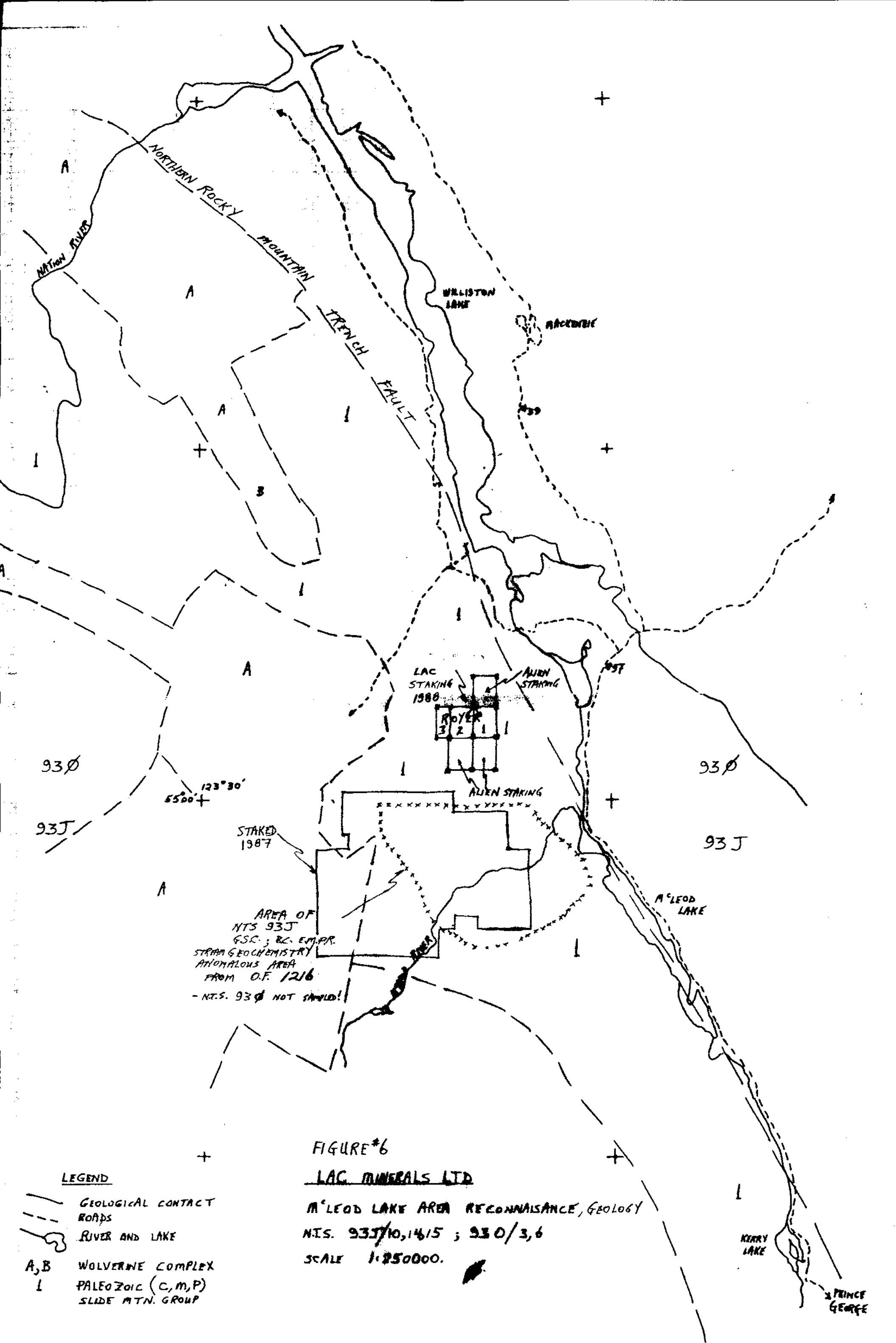
ROYER 1, 2, 3 CLAIMS
LOCATION MAP

SCALE 1:50000.

NTS. 930/3E

info from Quesnel MR, Oct 14, 1982

R



LEGEND

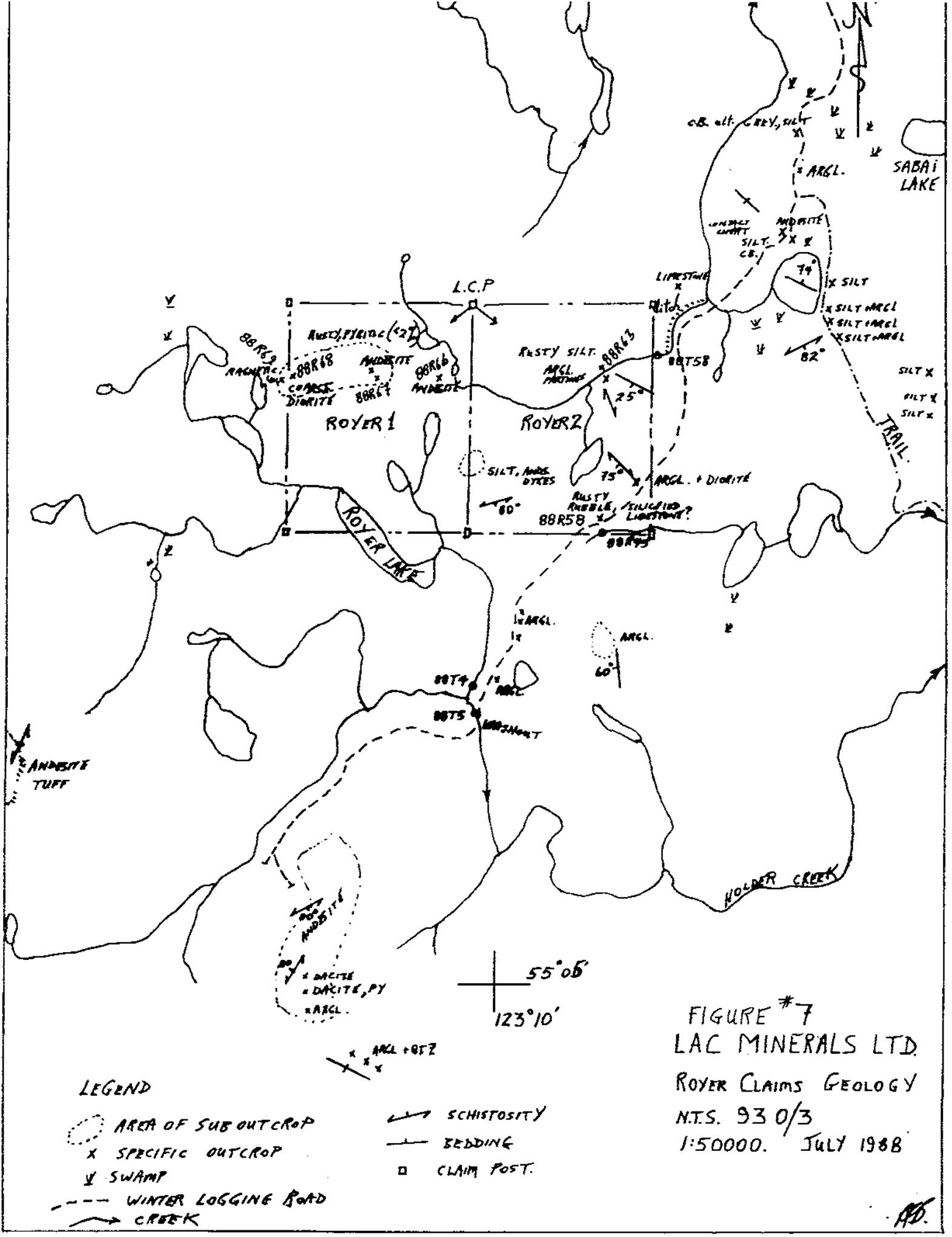
- GEOLOGICAL CONTACT
- ROADS
- RIVER AND LAKE
- A, B** WOLVERINE COMPLEX
- I** PALEOZOIC (C, M, P) SLIDE MTN. GROUP

FIGURE #6

LAC MINERALS LTD

M'LEOD LAKE AREA RECONNAISSANCE, GEOLOGY
 NTS. 93J/10, 14/5 ; 930/3, 6
 SCALE 1:250000.





SABAI LAKE

L.C.P

ROYER 1

ROYER 2

ROYER LAKE

HOLDER CREEK

ANDSITITE TUFF

CB. alt. CRDY, SILT

ARGL.

ANDSITITE

SILT

SILT

SILT ARGL

SILT ARGL

SILT ARGL

SILT X

SILT X

SILT X

LIMESTONE

RUSTY SILT

ARGL. PARTINGS

SILT, ANDS. DYKES

RUSTY RUBBLE, SILICIFIED LIMESTONE?

ARGL. + DIORITE

ARGL.

ARGL.

ARGL.

ARGL.

55°05'
123°10'

FIGURE #7
LAC MINERALS LTD.
ROYER CLAIMS GEOLOGY
N.T.S. 93 0/3
1:50000. JULY 1988

LEGEND

- AREA OF SUB OUTCROP
- X SPECIFIC OUTCROP
- ∩ SWAMP
- WINTER LOGGING ROAD
- CREEK

- ↖ SCHISTOSITY
- BEDDING
- CLAIM POST.

AD.

APPENDIX # 1

BONDAR-CLEGG LABORATORY REPORTS



REPORT: V88-DS095.D (COMPLETE)

REFERENCE INFO:

CLIENT: LAC MINERALS LTD.
 PROJECT: REGIONAL

SUBMITTED BY: R. F. BROWN
 DATE PRINTED: 2-AUG-88

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	33	1 PPM	FIRE-ASSAY	FIRE ASSAY DCP
2	Au/wt. Sample weight/gram	33	0.1 G		
3	Ag Silver	33	0.5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
4	As Arsenic	33	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Cd Cadmium	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Cu Copper	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Fe Iron	33	0.05 PCT	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Mn Manganese	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Ni Nickel	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Pb Lead	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
11	Pb Lead	33	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
12	Sb Antimony	33	5 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
13	Zn Zinc	33	1 PPM	HNO3-HCL HOT EXTR	PLASMA EMISSION SPEC
14	Hg Mercury	33	5 PPM	HNO3-HCL HOT EXTR	Cold Vapor AS

APPENDIX # 1
 ROYER CLAIMS

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Alberta Ave.
Vancouver, B.C.
Canada V7P 2R5
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Telex: 04-352667



Geochemical
Lab Report

REPORT: V88-05095.R (COMPLETE)

REFERENCE INFO:

CLIENT: LAC MINERALS LTD.
PROJECT: REGIONAL

SUBMITTED BY: R. F. BROWN
DATE PRINTED: 2-AUG-88

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	16	1 -80	23	DRY, SIEVE -80	23
F STREAM SEDIMENT, SILT	7	2 -150	10	CRUSH, PULVERIZE -150	10
R ROCK OR BED ROCK	10				

NOTES: @ indicates SMALL SAMPLE WEIGHT

REMARKS: @ DETECTED ON A SMALL SAMPLE

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REPORT: V88-05095.0

PROJECT: REGIONAL

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 88R-46		8	20.0	<0.5	11	<1	35	2.70	500	1	22	10
S1 88R-47		6	20.0	<0.5	5	<1	11	1.60	130	1	13	6
S1 88R-48		6	20.0	<0.5	<5	<1	4	1.15	65	<1	6	5
S1 88R-49		8	20.0	<0.5	5	<1	14	1.80	130	1	15	10
S1 88R-50		17	20.0	<0.5	6	<1	17	2.00	370	1	20	11
S1 88R-51		6	20.0	0.7	<5	3	12	1.70	240	<1	17	11
S1 88R-52		5	20.0	<0.5	7	3	18	2.55	200	3	36	8
S1 88R-53		6	20.0	0.6	8	<1	12	1.95	140	<1	17	7
S1 88R-54		7	20.0	<0.5	8	<1	12	1.55	220	2	14	7
S1 88R-55		8	20.0	<0.5	12	<1	18	2.20	140	2	20	9
S1 88R-56		9	20.0	<0.5	30	<1	22	2.20	180	1	32	9
S1 88R-57		6	20.0	0.5	12	<1	12	1.95	100	<1	15	8
S1 88R-72		5	20.0	<0.5	<5	<1	8	2.00	340	2	13	<5
S1 88R-73		12	20.0	<0.5	<5	<1	9	2.15	310	1	21	<5
S1 88R-74		4	20.0	<0.5	<5	<1	5	1.80	380	1	13	6
S1 88R-76		5	20.0	<0.5	<5	<1	13	2.35	940	1	17	6
T1 88R-45		19	7.8	<0.5	10	<1	19	1.35	1400	1	138	9
T1 88R-50		21	28.8	1.8	75	3	84	3.08	920	15	67	13
T1 88R-60		19	12.8	1.3	62	3	71	2.78	970	12	60	13
T1 88R-61		16	28.8	2.2	80	5	114	3.70	1400	18	89	16
T1 88R-62		114	28.8	0.9	28	3	64	2.35	930	10	48	12
T1 88R-64		13	28.8	0.7	18	2	48	2.48	750	8	43	10
T1 88R-65		63	28.8	<0.5	7	<1	10	2.35	1800	<1	14	<5
R2 88R-58		16	28.8	<0.5	7	<1	50	4.70	890	2	829	<5
R2 88R-63		11	20.8	<0.5	22	<1	91	3.95	580	4	37	14
R2 88R-66		8	20.8	<0.5	8	<1	209	3.15	300	1	48	6
R2 88R-67		7	20.8	<0.5	<5	<1	142	2.50	290	7	15	5
R2 88R-68		7	20.8	<0.5	<5	<1	157	4.00	440	1	15	<5
R2 88R-69		85	20.8	1.5	10	<1	635	6.80	210	1	25	<5
R2 88R-70		6	20.0	<0.5	<5	<1	46	5.00	680	1	43	<5
R2 88R-71		5	20.0	<0.5	<5	<1	57	5.00	780	1	60	<5
R2 88R-75		5	20.0	<0.5	<5	<1	14	3.10	560	<1	78	6
R2 88R-77		6	20.0	<0.5	<5	<1	50	3.80	700	1	71	5

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REPORT: V88-R5095.D

PROJECT: REGIONAL

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 88R-46		<5	90	50
S1 88R-47		<5	66	10
S1 88R-48		<5	30	5
S1 88R-49		<5	88	25
S1 88R-50		<5	174	30
S1 88R-51		<5	160	30
S1 88R-52		<5	338	40
S1 88R-53		<5	104	25
S1 88R-54		<5	80	20
S1 88R-55		<5	72	40
S1 88R-56		<5	99	40
S1 88R-57		<5	50	55
S1 88R-72		<5	56	30
S1 88R-73		<5	80	20
S1 88R-74		<5	54	30
S1 88R-76		5	54	10
T1 88R-45		<5	92	80
T1 88R-59		8	322	288
T1 88R-60		90	294	180
T1 88R-61		<5	388	385
T1 88R-62		<5	228	140
T1 88R-64		<5	176	80
T1 88R-65		<5	48	40
R2 88R-58		<5	50	20
R2 88R-63		8	107	280
R2 88R-66		<5	48	15
R2 88R-67		<5	26	30
R2 88R-68		<5	48	10
R2 88R-69		<5	60	25
R2 88R-70		<5	70	30
R2 88R-71		<5	69	15
R2 88R-75		<5	66	10
R2 88R-77		5	74	5

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Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 V7P 2R5
 (604) 985-0681 Telex 04-352667



Geochemical Lab Report

REPORT: V88-08199.0 (COMPLETE)

REFERENCE INFO:

CLIENT: IAC MINERALS LTD.
 PROJECT: ROYAL

SUBMITTED BY: A. ARFIT
 DATE PRINTED: 20-OCT-88

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	563	1 PPB	FIRE-ASSAY	FIRE ASSAY DCP
2	Au/wt Sample weight/grams	18	0.1 G		
3	Ag Silver	564	0.5 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
4	As Arsenic	564	5 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
5	Cd Cadmium	564	1 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
6	Cu Copper	564	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
7	Fe Iron	564	0.05 PCT	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
8	Mn Manganese	564	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
9	Mo Molybdenum	564	1 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
10	Ni Nickel	564	1 PPM	HNO3-HCl HOT EXTR	PLASMA EMISSION SPEC
11	Pb Lead	564	5 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
12	Sb Antimony	564	5 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
13	Zn Zinc	564	1 PPM	HNO3-HCl HOT FXTR	PLASMA EMISSION SPEC
14	Hg Mercury	564	5 PPB	HNO3-HCl HOT EXTR	Cold Vapour AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
5 SOTS	694	1 -80	694	DRY, SIEVE -80	566

REMARKS: "EB" DENOTES EMPTY SAMPLE BAG.
 I.S. DENOTES INSUFFICIENT SAMPLE.

REPORT COPIES TO: MR. ROBERT BROWN

INVOICE TO: IAC MINERALS LTD.

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RECEIVED OCT 20 1988

REPORT: V88-118199.0

PROJECT: ROYR

PAGE 1A

SAMPLE NUMBER	ELEMNT UNITS	Au PPM	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L0+00 0+00E "EB"												
S1 L0+00 0+50F "EB"												
S1 L0+00 1+00F		19		1.0	<5	1	17	1.75	152	<1	26	13
S1 L0+00 1+50E		8		4.1	6	2	13	2.39	399	<1	24	12
S1 L0+00 2+00F		1		0.9	<5	2	17	2.65	274	<1	19	8
S1 L0+00 2+50E "EB"												
S1 L0+00 3+00F "EB"												
S1 L0+00 3+50F		9		0.7	19	1	38	3.42	240	3	57	18
S1 L0+00 4+00E "EB"												
S1 L0+00 4+50F		4		0.5	<5	<1	9	1.15	96	1	17	11
S1 L0+00 5+00E		14		1.1	6	1	33	2.68	185	3	41	14
S1 L0+00 5+50F		2		0.6	<5	<1	7	1.04	92	<1	14	10
S1 L0+00 6+00E		10		0.7	<5	1	26	2.34	137	1	33	10
S1 L0+00 6+50F		10		0.9	<5	1	26	2.71	167	2	42	12
S1 L0+00 7+00F		8		1.2	<5	<1	15	1.83	153	<1	17	8
S1 L0+00 7+50F		7		0.7	10	<1	32	2.50	174	1	45	8
S1 L0+00 8+00E "EB"												
S1 L0+00 8+50F		25		0.6	30	<1	43	3.21	306	2	30	18
S1 L0+00 9+00E		2		1.9	<5	3	20	3.04	1255	1	39	14
S1 L0+00 9+50F		8		1.5	18	2	55	3.15	594	1	48	14
S1 L0+00 10+00F		9		1.8	34	<1	33	2.51	348	3	37	11
S1 L0+00 10+50F		12		1.0	31	<1	43	3.56	299	4	53	12
S1 L0+00 11+00E		12		1.2	22	<1	31	2.60	264	3	35	11
S1 L0+00 11+50F		5		1.3	18	1	25	2.15	684	2	28	11
S1 L0+00 12+00E		5		1.4	17	1	34	3.37	550	2	39	12
S1 L0+00 12+50F		55		1.7	63	<1	60	5.44	575	3	64	27
S1 L0+00 13+00E		11		1.7	15	<1	40	3.34	608	2	50	13
S1 L0+00 13+50F		18		1.4	46	<1	59	4.69	600	3	65	23
S1 L0+00 14+00E		8		0.7	16	<1	33	3.19	348	2	40	12
S1 L0+00 14+50F		4		0.9	14	<1	25	2.47	241	2	29	13
S1 L0+00 15+00E		64		0.9	17	<1	43	3.12	321	2	51	16
S1 L0+00 19+00F		166	10.0	1.1	33	2	90	5.02	331	5	81	15
S1 L0+00 19+50E		2		1.5	<5	1	29	3.91	234	<1	69	8
S1 L0+00 20+00F		3		<0.5	6	<1	24	2.76	358	<1	37	9
S1 L0+00 20+50E		4		<0.5	<5	<1	34	2.35	431	<1	40	10
S1 L0+00 21+00F		4		0.8	<5	<1	14	1.79	192	<1	26	7
S1 L0+00 21+50E		2		0.6	<5	<1	30	2.70	230	<1	36	7
S1 L0+00 22+00F		4		0.5	6	<1	27	2.49	418	1	39	9
S1 L0+00 22+50E		13		<0.5	<5	<1	19	1.89	273	<1	26	6
S1 L0+00 23+00F		14		0.7	<5	<1	31	2.50	205	<1	45	9

REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 LO+00 0+10F	"EB"			
S1 LO+00 0+50E	"EB"			
S1 LO+00 1+10F		<5	79	30
S1 LO+00 1+50E		<5	109	50
S1 LO+00 2+10F		<5	100	35
S1 LO+00 2+50E	"FB"			
S1 LO+00 3+10F	"EB"			
S1 LO+00 3+50F		<5	192	40
S1 LO+00 4+00E	"EB"			
S1 LO+00 4+50F		<5	51	25
S1 LO+00 5+00E		<5	128	50
S1 LO+00 5+50F		<5	41	15
S1 LO+00 6+10F		<5	92	40
S1 LO+00 6+50F		<5	107	80
S1 LO+00 7+10F		<5	51	85
S1 LO+00 7+50F		<5	104	40
S1 LO+00 8+00E	"FB"			
S1 LO+00 8+50F		<5	110	35
S1 LO+00 9+00E		<5	155	40
S1 LO+00 9+50F		5	142	45
S1 LO+00 10+00E		<5	104	35
S1 LO+00 10+50F		6	151	60
S1 LO+00 11+00E		<5	111	40
S1 LO+00 11+50F		<5	119	40
S1 LO+00 12+00E		<5	130	30
S1 LO+00 12+50F		<5	180	50
S1 LO+00 13+00F		<5	109	50
S1 LO+00 13+50F		5	146	50
S1 LO+00 14+00E		<5	123	40
S1 LO+00 14+50F		<5	100	15
S1 LO+00 15+00E		<5	104	30
S1 LO+00 19+10F		<5	165	25
S1 LO+00 19+50E		<5	114	40
S1 LO+00 20+10F		<5	88	20
S1 LO+00 20+50E		<5	87	40
S1 LO+00 21+10F		<5	44	15
S1 LO+00 21+50F		<5	114	25
S1 LO+00 22+10F		<5	89	30
S1 LO+00 22+50E		<5	66	30
S1 LO+00 23+10F		<5	95	30

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REPORT: V88-08199.0

PROJECT: ROY-R

PAGE 2A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 LO+00 23+SNE		1		0.6	10	<1	23	2.82	284	<1	30	11
S1 LO+00 24+UUF		2		<0.5	5	<1	31	2.61	303	1	39	9
S1 LO+00 24+SNE		15		0.9	<5	1	34	2.68	329	2	46	8
S1 LO+00 25+UUF		11		0.8	13	1	37	3.00	368	1	38	11
S1 LO+00 25+SNE		19		0.8	5	1	34	2.87	277	2	51	5
S1 LO+00 26+UUF		14		0.7	27	2	51	3.74	457	3	70	9
S1 LO+00 26+SNE		13		1.4	18	<1	49	3.32	496	4	49	12
S1 LO+00 27+UUF		6		0.9	<5	<1	38	2.34	311	<1	36	6
S1 LO+00 27+SNE "EB"												
S1 LO+00 28+UUF		6		<0.5	7	<1	23	2.32	308	<1	33	6
S1 LO+00 28+SNE		2		0.6	<5	<1	24	2.36	265	<1	36	8
S1 LO+00 29+UUF		<1		<0.5	<5	<1	22	2.30	249	<1	33	<5
S1 LO+00 29+SNE "EB"												
S1 LO+00 30+UUF		<1		0.6	5	<1	12	1.96	174	<1	18	<5
S1 LO+00 30+SNE		5		0.9	9	<1	26	2.50	321	1	37	6
S1 LO+00 31+UUF		3		0.8	<5	1	12	2.04	435	<1	23	<5
S1 LO+00 31+SNE		<1		0.7	8	<1	16	1.75	390	<1	23	5
S1 LO+00 32+UUF		1		<0.5	<5	<1	7	1.44	174	<1	14	<5
S1 LO+00 33+UUF		7		0.7	<5	2	19	2.09	334	<1	27	<5
S1 LO+00 33+SNE		6		0.5	6	1	29	3.03	770	1	44	9
S1 LO+00 34+UUF		8		0.7	<5	1	20	3.01	223	<1	36	<5
S1 LO+00 34+SNE		<1		1.2	6	<1	24	2.69	241	1	42	<5
S1 LO+00 35+UUF		<1		0.7	<5	2	18	2.82	432	2	36	7
S1 LO+00 35+SNE		5		1.5	<5	2	40	2.93	376	1	53	11
S1 LO+00 36+UUF		12		0.9	<5	<1	28	2.56	233	2	65	8
S1 LO+00 36+SNE		14		0.6	7	<1	31	2.13	323	<1	37	5
S1 LO+00 37+UUF		2		1.2	<5	1	37	2.77	375	1	41	8
S1 LO+00 37+SNE		5		<0.5	7	<1	45	2.70	223	<1	50	7
S1 LO+00 38+UUF		2		0.5	<5	<1	16	1.60	239	<1	29	<5
S1 LO+00 38+SNE		1		1.5	<5	1	19	2.25	678	<1	25	<5
S1 LO+00 39+UUF		2		0.8	<5	1	32	2.88	632	<1	54	6
S1 LO+00 39+SNE		2		1.1	<5	2	35	3.08	802	<1	58	<5
S1 LO+00 40+UUF		7		1.1	<5	2	29	2.80	650	<1	45	<5
S1 LO+00 40+SNE		17		1.0	<5	<1	18	1.68	224	<1	30	<5
S1 LO+00 41+UUF		7		0.6	18	1	29	3.72	278	2	37	7
S1 LO+00 41+SNE		1		0.6	<5	<1	31	2.23	505	<1	41	9
S1 LO+00 42+SNE		6		0.6	<5	1	12	2.10	187	<1	61	<5
S1 LO+00 43+UUF		<1		0.8	<5	<1	12	2.51	199	<1	49	<5
S1 LO+00 43+SNE		<1		<0.5	<5	2	5	1.19	833	<1	14	<5
S1 LO+00 44+UUF		2		0.8	<5	1	21	2.49	467	<1	32	7

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REPORT: V88-08199.D

PROJECT: ROYHR

PAGE 2B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 LO+III 23+SUF		<5	119	85
S1 LO+III 24+ONE		<5	73	30
S1 LO+III 24+SUF		<5	94	45
S1 LO+III 25+ONE		<5	104	20
S1 LO+III 25+SUF		<5	155	30
S1 LO+III 26+ONE		<5	141	40
S1 LO+III 26+SUF		5	122	45
S1 LO+III 27+ONE		<5	79	25
S1 LO+III 27+SUF "EB"				
S1 LO+III 28+ONE		<5	93	25
S1 LO+III 28+SUF		<5	79	25
S1 LO+III 29+ONE		<5	95	30
S1 LO+III 29+SUF "EB"				
S1 LO+III 30+ONE		<5	65	15
S1 LO+III 30+SUF		<5	79	15
S1 LO+III 31+ONE		<5	147	20
S1 LO+III 31+SUF		<5	97	15
S1 LO+III 32+ONE		<5	53	10
S1 LO+III 33+ONE		<5	94	25
S1 LO+III 33+SUF		<5	120	30
S1 LO+III 34+ONE		<5	145	110
S1 LO+III 34+SUF		<5	99	40
S1 LO+III 35+ONE		<5	127	130
S1 LO+III 35+SUF		<5	55	45
S1 LO+III 36+ONE		<5	71	50
S1 LO+III 36+SUF		<5	68	40
S1 LO+III 37+ONE		<5	73	50
S1 LO+III 37+SUF		<5	119	40
S1 LO+III 38+ONE		<5	45	30
S1 LO+III 38+SUF		<5	117	30
S1 LO+III 39+ONE		<5	121	45
S1 LO+III 39+SUF		<5	174	30
S1 LO+III 40+ONE		<5	147	30
S1 LO+III 40+SUF		<5	66	40
S1 LO+III 41+ONE		<5	170	45
S1 LO+III 41+SUF		<5	66	45
S1 LO+III 42+SUF		<5	53	20
S1 LO+III 43+ONE		<5	53	20
S1 LO+III 43+SUF		<5	67	40
S1 LO+III 44+SUF		<5	81	35

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REPORT: V88-08199.0

PROJECT: ROYR

PAGE 3A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L0+00 45+00E		IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
S1 L0+00 45+50F		1		0.5	7	<1	30	2.50	224	<1	45	<5
S1 L0+00 46+00E		3		0.8	<5	1	18	2.77	249	<1	44	<5
S1 L0+00 46+50F		<1		0.8	10	1	24	3.71	314	<1	58	7
S1 L0+00 47+00E "FB"												
S1 L0+00 47+50F "EB"												
S1 L0+00 48+50F		1		0.6	7	<1	31	3.11	283	2	29	<5
S1 L0+00 49+00E		<1		0.7	12	<1	34	2.78	302	2	29	8
S1 L0+00 49+50F "EB"												
S1 L0+00 50+00F		6		0.8	9	<1	25	3.25	184	2	34	7
S1 L4+00N 0+00E		<1		1.1	<5	1	23	2.82	275	<1	42	14
S1 L4+00N 0+50F		1		1.1	<5	2	19	2.22	243	<1	35	9
S1 L4+00N 1+00E		3		0.9	<5	1	7	1.51	148	<1	18	10
S1 L4+00N 1+50F		2		0.8	<5	1	11	1.66	189	<1	23	9
S1 L4+00N 2+00E "FB"												
S1 L4+00N 2+50F		<1		0.8	<5	<1	12	2.95	195	<1	22	<5
S1 L4+00N 3+00E		<1		1.3	<5	<1	12	3.56	164	<1	22	11
S1 L4+00N 3+50F		6		1.4	14	<1	15	2.15	209	2	24	7
S1 L4+00N 4+00E "FB"												
S1 L4+00N 4+50F "EB"												
S1 L4+00N 5+00F		<1		0.9	6	1	18	2.88	575	1	28	8
S1 L4+00N 5+50E		4		1.6	6	2	34	2.88	975	1	33	16
S1 L4+00N 6+00F "EB"												
S1 L4+00N 6+50F		2		1.2	13	<1	31	2.07	227	1	22	11
S1 L4+00N 7+00E		50		1.1	14	1	25	3.86	718	1	28	15
S1 L4+00N 7+50F "EB"												
S1 L4+00N 8+00F		9		1.2	18	1	42	3.41	651	2	49	17
S1 L4+00N 8+50E "FB"												
S1 L4+00N 9+00F		1		<0.5	<5	<1	10	2.24	126	<1	16	9
S1 L4+00N 9+50E "FB"												
S1 L4+00N 10+00F		3		1.7	5	2	26	4.40	2537	2	39	18
S1 L4+00N 10+50E		<1		0.8	10	1	13	2.23	1313	1	14	11
S1 L4+00N 11+00F "EB"												
S1 L4+00N 11+50E "EB"												
S1 L4+00N 12+00F "EB"												
S1 L4+00N 12+50E "EB"												
S1 L4+00N 13+00F "EB"												
S1 L4+00N 13+50E "EB"												
S1 L4+00N 14+00F "EB"												
S1 L4+00N 14+50E "EB"												

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REPORT: V88-08199.0

PROJECT: ROYR

PAGE 3B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
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S1 L0+00 45+00E		IS	IS	IS
S1 L0+00 45+50F		<5	76	25
S1 L0+00 46+00E		<5	110	60
S1 L0+00 46+50F		<5	151	30
S1 L0+00 47+00E "FB"				

S1 L0+00 47+50F "EB"				
S1 L0+00 48+50E		<5	82	50
S1 L0+00 49+00F		<5	97	20
S1 L0+00 49+50E "FB"				
S1 L0+00 50+00F		<5	66	30

S1 L4+00N 0+00E		<5	159	50
S1 L4+00N 0+50F		<5	104	40
S1 L4+00N 1+00E		<5	58	10
S1 L4+00N 1+50F		<5	67	20
S1 L4+00N 2+00E "FB"				

S1 L4+00N 2+50F		<5	97	50
S1 L4+00N 3+00E		<5	75	70
S1 L4+00N 3+50F		<5	83	35
S1 L4+00N 4+00E "EB"				
S1 L4+00N 4+50F "EB"				

S1 L4+00N 5+00E		<5	176	25
S1 L4+00N 5+50F		<5	134	40
S1 L4+00N 6+00E "FB"				
S1 L4+00N 6+50F		<5	58	25
S1 L4+00N 7+00E		<5	114	40

S1 L4+00N 7+50F "EB"				
S1 L4+00N 8+00E		<5	131	40
S1 L4+00N 8+50F "EB"				
S1 L4+00N 9+00E		<5	52	45
S1 L4+00N 9+50F "EB"				

S1 L4+00N 10+00E		<5	230	50
S1 L4+00N 10+50F		<5	131	30
S1 L4+00N 11+00E "EB"				
S1 L4+00N 11+50F "EB"				
S1 L4+00N 12+00E "EB"				

S1 L4+00N 12+50F "EB"				
S1 L4+00N 13+00E "EB"				
S1 L4+00N 13+50F "EB"				
S1 L4+00N 14+00E "EB"				
S1 L4+00N 14+50F "EB"				

RECEIVED OCT 20 1983

REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 4A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L4+00N 15+00E "FB"												
S1 L4+00N 15+50F "EB"												
S1 L4+00N 16+00F		6		0.6	<5	<1	26	2.41	182	5	33	8
S1 L4+00N 16+50E		8		1.4	6	1	42	2.94	282	2	51	9
S1 L4+00N 17+00F		6		1.0	<5	2	56	2.55	305	<1	42	10
S1 L4+00N 17+50E		11		1.8	16	2	60	4.62	461	2	66	19
S1 L4+00N 18+00F		7		<0.5	12	<1	29	2.87	440	1	41	12
S1 L4+00N 18+50E		3		<0.5	<5	<1	31	2.61	255	1	37	8
S1 L4+00N 19+00F		11		<0.5	<5	2	20	2.58	223	2	31	7
S1 L4+00N 19+50E		2		0.8	5	<1	19	2.07	484	<1	25	<5
S1 L4+00N 20+00F		9		1.0	<5	<1	33	2.68	276	1	42	6
S1 L4+00N 20+50F "FB"												
S1 L4+00N 21+00F		13		0.9	<5	1	41	2.74	472	1	45	7
S1 L4+00N 21+50F		13		1.0	7	1	73	3.85	308	4	66	12
S1 L4+00N 22+00F		18		0.8	6	<1	30	3.12	192	2	49	6
S1 L4+00N 22+50E		18		1.2	<5	2	63	3.01	286	1	57	9
S1 L4+00N 23+00F		10		1.3	15	<1	54	2.76	316.7	4	37	8
S1 L4+00N 23+50E		2		0.8	<5	1	18	2.36	370	1	33	8
S1 L4+00N 24+00F		3		<0.5	7	<1	27	2.25	329	<1	37	7
S1 L4+00N 24+50E		5		1.0	<5	<1	36	2.63	517	1	41	9
S1 L4+00N 25+00F		3		<0.5	26	<1	28	2.28	304	1	27	6
S1 L4+00N 25+50E		<1		0.8	9	<1	31	2.15	324	<1	27	9
S1 L4+00N 26+00F		68		<0.5	19	<1	43	2.55	258	<1	18	6
S1 L4+00N 26+50E		3		<0.5	14	<1	50	2.65	219	1	43	<5
S1 L4+00N 27+00F		10	14.0	1.0	14	1	104	3.28	764	2	61	11
S1 L4+00N 27+50E		9		<0.5	23	<1	48	3.16	499	2	54	12
S1 L4+00N 28+00F		8		1.3	8	2	142	6.40	502	6	106	24
S1 L4+00N 28+50E		13		0.9	9	1	127	2.91	306	1	54	7
S1 L4+00N 29+00F		3		<0.5	<5	<1	33	2.84	194	<1	28	6
S1 L4+00N 29+50E		IS	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
S1 L4+00N 30+00F		1		<0.5	<5	1	111	3.53	341	2	34	10
S1 L4+00N 30+50E		32		<0.5	8	<1	33	2.76	418	<1	28	6
S1 L4+00N 31+00F		3		0.8	8	<1	30	2.87	234	<1	34	8
S1 L4+00N 31+50E		2		<0.5	7	<1	29	2.83	215	<1	36	9
S1 L4+00N 32+00F		1		<0.5	16	<1	25	2.49	389	<1	32	8
S1 L4+00N 32+50E		8		1.7	10	<1	67	2.34	1467	3	38	10
S1 L4+00N 33+00F		<1		<0.5	21	4	44	2.67	2280	2	37	10
S1 L4+00N 33+50E		7	4.0	1.6	10	3	87	0.85	2622	2	37	<5
S1 L4+00N 34+00F "EB"												
S1 L4+00N 34+50F		2		0.8	22	<1	23	1.97	203	1	13	6

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REPORT: V88-08199.0

PROJECT: ROY-R

PAGE 48

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L4+UIN 15+UUF	"EB"			
S1 L4+UIN 15+SDE	"EB"			
S1 L4+UIN 16+UUF		<5	71	20
S1 L4+UIN 16+SDE		<5	132	55
S1 L4+UIN 17+UUF		<5	75	120
S1 L4+UIN 17+SDE		<5	192	80
S1 L4+UIN 18+UUF		<5	121	40
S1 L4+UIN 18+SDE		<5	99	40
S1 L4+UIN 19+UUF		<5	151	28
S1 L4+UIN 19+SDE		<5	117	40
S1 L4+UIN 20+UUF		<5	90	40
S1 L4+UIN 20+SDE	"FB"			
S1 L4+UIN 21+UUF		<5	92	55
S1 L4+UIN 21+SDE		<5	146	28
S1 L4+UIN 22+UUF		<5	82	40
S1 L4+UIN 22+SDE		<5	118	85
S1 L4+UIN 23+UUF		<5	103	70
S1 L4+UIN 23+SDE		<5	72	50
S1 L4+UIN 24+UUF		<5	93	35
S1 L4+UIN 24+SDE		<5	85	58
S1 L4+UIN 25+UUF		<5	107	40
S1 L4+UIN 25+SDE		<5	97	38
S1 L4+UIN 26+UUF		<5	108	40
S1 L4+UIN 26+SDE		<5	125	10
S1 L4+UIN 27+UUF		<5	144	90
S1 L4+UIN 27+SDE		<5	136	35
S1 L4+UIN 28+UUF		<5	192	150
S1 L4+UIN 28+SDE		<5	135	45
S1 L4+UIN 29+UUF		<5	163	20
S1 L4+UIN 29+SDE		15	15	75
S1 L4+UIN 30+UUF		<5	233	25
S1 L4+UIN 30+SDE		<5	71	38
S1 L4+UIN 31+UUF		<5	126	40
S1 L4+UIN 31+SDE		<5	82	30
S1 L4+UIN 32+UUF		<5	82	25
S1 L4+UIN 32+SDE		<5	52	90
S1 L4+UIN 33+UUF		<5	181	40
S1 L4+UIN 33+SDE		<5	37	170
S1 L4+UIN 34+UUF	"EB"			
S1 L4+UIN 34+SDE		<5	36	30

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REPORT: V88-08199.0

PROJECT: ROYR

PAGE 5A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L4+00N 35+00E		2		<0.5	14	<1	15	2.42	266	<1	200	7
S1 L4+00N 35+50E		<1		<0.5	17	<1	25	2.38	510	<1	24	9
S1 L4+00N 36+00E		21		<0.5	17	<1	27	2.74	337	2	26	6
S1 L4+00N 36+50E		2		<0.5	17	<1	30	3.46	386	3	45	10
S1 L4+00N 37+00E		<1		0.8	19	<1	17	2.39	223	<1	22	7
S1 L4+00N 37+50E		53		<0.5	27	<1	26	3.30	263	1	35	9
S1 L4+00N 38+00E		49		<0.5	47	<1	36	4.80	633	2	41	14
S1 L4+00N 38+50E		5		<0.5	26	<1	29	4.35	461	1	37	14
S1 L4+00N 39+00E		6		<0.5	25	<1	31	3.17	241	<1	31	7
S1 L4+00N 39+50E		2		<0.5	23	<1	23	3.75	255	2	23	10
S1 L4+00N 40+00E "FB"												
S1 L4+00N 40+50E		6		<0.5	7	<1	28	3.41	478	<1	44	9
S1 L4+00N 41+00E "FB"												
S1 L4+00N 41+50E		5		0.6	17	<1	26	2.69	248	2	31	<5
S1 L4+00N 42+00E		<1		<0.5	9	<1	15	2.04	167	1	18	<5
S1 L4+00N 42+50E		<1		<0.5	14	<1	14	1.74	119	<1	15	6
S1 L4+00N 43+00E		2		<0.5	10	<1	20	2.40	299	<1	46	7
S1 L4+00N 43+50E		9		2.9	<5	6	107	4.56	1341	3	192	10
S1 L4+00N 44+00E		4		<0.5	15	<1	19	2.63	266	2	34	7
S1 L4+00N 44+50E		13		0.6	8	<1	17	1.40	511	<1	18	6
S1 L4+00N 45+00E		3		<0.5	12	<1	18	2.57	153	1	28	6
S1 L4+00N 45+50E		4		0.6	13	<1	27	2.44	308	<1	43	9
S1 L4+00N 46+00E		4		<0.5	14	<1	20	2.49	199	<1	36	<5
S1 L4+00N 46+50E		3		<0.5	14	<1	19	2.43	230	<1	28	9
S1 L4+00N 47+00E		2		0.6	14	<1	21	2.79	256	<1	37	10
S1 L4+00N 47+50E		5		0.7	13	<1	35	2.58	247	2	35	7
S1 L4+00N 48+00E		<1		<0.5	<5	<1	47	4.31	320	2	33	5
S1 L4+00N 48+50E		<1		<0.5	25	<1	28	4.74	319	11	36	9
S1 L4+00N 49+00E		<1	10.0	<0.5	60	<1	13	>10.000	7041	14	9	<5
S1 L4+00N 49+50E		1		<0.5	18	<1	53	3.79	552	16	33	18
S1 L4+00N 50+00E "FB"												
S1 L8+00N 0+00E "EB"												
S1 L8+00N 0+50E		<1		<0.5	6	<1	31	3.12	442	<1	32	102
S1 L8+00N 1+00E		7		0.6	10	1	34	3.77	415	<1	41	62
S1 L8+00N 1+50E		5		1.1	19	<1	18	3.38	352	<1	22	31
S1 L8+00N 2+00E		22		<0.5	158	<1	59	6.97	480	5	54	85
S1 L8+00N 2+50E		8		0.7	46	1	54	3.99	499	2	58	43
S1 L8+00N 3+00E		<1		<0.5	16	<1	30	3.08	464	2	39	24
S1 L8+00N 3+50E		9		<0.5	26	<1	37	4.26	325	<1	35	23
S1 L8+00N 4+00E		2		<0.5	28	<1	22	2.65	386	<1	23	15

RECEIVED OCT 20 1988

REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 58

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L4+00N 35+00E		<5	56	10
S1 L4+00N 35+50F		<5	136	10
S1 L4+00N 36+00E		<5	166	20
S1 L4+00N 36+50F		<5	86	40
S1 L4+00N 37+00E		<5	114	10
S1 L4+00N 37+50F		<5	68	40
S1 L4+00N 38+00E		<5	148	20
S1 L4+00N 38+50F		<5	143	20
S1 L4+00N 39+00E		<5	76	15
S1 L4+00N 39+50F		<5	68	25
S1 L4+00N 40+00E "FB"				
S1 L4+00N 40+50F		<5	106	50
S1 L4+00N 41+00E "FB"				
S1 L4+00N 41+50F		<5	41	35
S1 L4+00N 42+00E		<5	16	20
S1 L4+00N 42+50F		<5	2	40
S1 L4+00N 43+00E		<5	48	30
S1 L4+00N 43+50F		<5	187	180
S1 L4+00N 44+00E		<5	56	30
S1 L4+00N 44+50F		<5	33	20
S1 L4+00N 45+00E		<5	98	30
S1 L4+00N 45+50F		<5	111	50
S1 L4+00N 46+00E		<5	79	40
S1 L4+00N 46+50F		<5	118	35
S1 L4+00N 47+00E		<5	174	10
S1 L4+00N 47+50F		<5	162	50
S1 L4+00N 48+00E		6	169	25
S1 L4+00N 48+50F		5	187	15
S1 L4+00N 49+00E		<5	35	180
S1 L4+00N 49+50F		<5	215	140
S1 L4+00N 50+00E "FB"				
S1 L8+00N 0+00F "FB"				
S1 L8+00N 0+50E		<5	235	40
S1 L8+00N 1+00F		<5	214	50
S1 L8+00N 1+50E		<5	201	30
S1 L8+00N 2+00F		<5	207	40
S1 L8+00N 2+50E		<5	233	60
S1 L8+00N 3+00F		<5	124	15
S1 L8+00N 3+50E		<5	138	40
S1 L8+00N 4+00F		<5	104	65

RECEIVED OCT 20 1988

REPORT: V88-08199.0

PROJECT: ROYR

PAGE 6A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L8+00N 4+50E		<1		<0.5	16	<1	9	1.23	50	<1	2	7
S1 L8+00N 5+00F "EB"												
S1 L8+00N 5+50E "EB"												
S1 L8+00N 6+00F		3		1.1	20	<1	51	4.67	214	3	42	16
S1 L8+00N 6+50E		2		<0.5	16	<1	25	3.93	240	<1	34	14
S1 L8+00N 7+00F		5		<0.5	12	2	32	4.77	311	2	40	15
S1 L8+00N 7+50E		2		<0.5	11	1	29	3.13	335	<1	39	15
S1 L8+00N 8+00F		<1		<0.5	<5	<1	34	2.85	490	<1	36	9
S1 L8+00N 8+50E		17		<0.5	20	2	42	5.77	270	3	57	20
S1 L8+00N 9+00F		11		<0.5	25	<1	29	4.46	424	2	34	18
S1 L8+00N 9+50E		3		<0.5	22	<1	22	2.82	170	<1	26	13
S1 L8+00N 10+00F		5		<0.5	12	<1	25	2.65	142	1	29	10
S1 L8+00N 10+50F		3		<0.5	11	<1	24	3.21	228	<1	27	14
S1 L8+00N 11+00F		3		<0.5	9	<1	24	2.74	200	<1	33	11
S1 L8+00N 11+50E		9		0.8	8	<1	40	3.17	1000	2	50	13
S1 L8+00N 12+00F		7		1.2	18	<1	27	3.19	264	<1	32	11
S1 L8+00N 12+50E		<1		<0.5	10	<1	28	3.18	202	<1	68	6
S1 L8+00N 13+00F		<1		<0.5	8	<1	26	3.48	206	<1	43	6
S1 L8+00N 13+50E		3		<0.5	74	<1	51	4.80	287	<1	57	8
S1 L8+00N 14+00F		<1		<0.5	19	<1	27	2.80	195	<1	42	<5
S1 L8+00N 14+50E		10		<0.5	24	<1	49	3.69	343	<1	69	11
S1 L8+00N 15+00F		1		<0.5	<5	<1	59	3.41	255	<1	32	10
S1 L8+00N 15+50E		2		<0.5	14	<1	23	2.49	119	6	19	11
S1 L8+00N 16+00F		8		<0.5	12	2	43	4.31	293	3	41	20
S1 L8+00N 16+50E "FR"												
S1 L8+00N 17+00F		2		<0.5	12	<1	20	2.78	190	1	21	11
S1 L8+00N 17+50E		10		<0.5	12	<1	42	3.52	228	1	47	14
S1 L8+00N 18+00F		10		<0.5	26	1	43	3.98	371	2	33	18
S1 L8+00N 18+50E		12		0.9	16	2	59	3.90	691	2	54	21
S1 L8+00N 19+00F		6		<0.5	38	<1	64	4.56	661	2	50	18
S1 L8+00N 19+50E		9		<0.5	13	<1	31	3.68	217	2	36	14
S1 L8+00N 20+00F		14		0.8	55	<1	62	3.50	340	<1	32	10
S1 L8+00N 20+50E		9		1.0	<5	1	21	2.35	191	<1	21	9
S1 L8+00N 21+00F		8		<0.5	10	<1	25	3.22	248	2	25	10
S1 L8+00N 21+50E		3		<0.5	12	<1	33	2.79	251	2	32	12
S1 L8+00N 22+00F		6		<0.5	18	<1	24	3.08	168	<1	26	8
S1 L8+00N 22+50E		16		<0.5	15	<1	19	2.82	136	2	20	13
S1 L8+00N 23+00F		8	10.0	<0.5	52	2	49	5.73	385	4	51	21
S1 L8+00N 23+50E		60		0.7	26	<1	35	4.59	615	2	35	17
S1 L8+00N 24+00F		1	13.0	1.0	<5	<1	19	1.66	168	<1	25	13

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REPORT: V88-08199.D

PROJECT: ROY-R

PAGE 6B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L8+00N 4+50F		<5	19	40
S1 L8+00N 5+00E "FB"				
S1 L8+00N 5+50F "EB"				
S1 L8+00N 6+00E		<5	99	50
S1 L8+00N 6+50F		<5	93	45
S1 L8+00N 7+00E		<5	136	45
S1 L8+00N 7+50F		<5	135	50
S1 L8+00N 8+00E		<5	164	30
S1 L8+00N 8+50F		<5	159	60
S1 L8+00N 9+00E		<5	141	40
S1 L8+00N 9+50F		<5	103	30
S1 L8+00N 10+00E		<5	80	50
S1 L8+00N 10+50F		<5	107	35
S1 L8+00N 11+00E		<5	96	45
S1 L8+00N 11+50F		<5	107	40
S1 L8+00N 12+00E		<5	113	25
S1 L8+00N 12+50F		<5	41	20
S1 L8+00N 13+00E		<5	87	35
S1 L8+00N 13+50F		<5	52	25
S1 L8+00N 14+00E		<5	46	20
S1 L8+00N 14+50F		<5	96	30
S1 L8+00N 15+00E		<5	42	20
S1 L8+00N 15+50F		<5	67	45
S1 L8+00N 16+00E		<5	71	50
S1 L8+00N 16+50F "EB"				
S1 L8+00N 17+00E		<5	81	10
S1 L8+00N 17+50F		<5	70	30
S1 L8+00N 18+00E		<5	131	50
S1 L8+00N 18+50F		<5	122	30
S1 L8+00N 19+00E		<5	147	30
S1 L8+00N 19+50F		<5	127	40
S1 L8+00N 20+00E		<5	100	45
S1 L8+00N 20+50F		<5	90	50
S1 L8+00N 21+00E		<5	83	30
S1 L8+00N 21+50F		<5	89	45
S1 L8+00N 22+00E		<5	89	45
S1 L8+00N 22+50F		<5	56	30
S1 L8+00N 23+00E		<5	235	40
S1 L8+00N 23+50F		<5	191	40
S1 L8+00N 24+00E		<5	76	20

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REPORT: V88-08199.0

PROJECT: ROYLR

PAGE 7A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L8+00N 24+50E		<1	17.0	<0.5	17	<1	31	3.79	456	<1	28	15
S1 L8+00N 25+00E "EB"												
S1 L8+00N 25+50E		1		<0.5	7	<1	31	3.28	207	<1	31	9
S1 L8+00N 26+00E		3		0.5	<5	2	24	3.25	646	<1	28	12
S1 L8+00N 26+50E		11		<0.5	<5	<1	20	2.72	226	<1	25	9
S1 L8+00N 27+00E		6		<0.5	9	<1	48	3.12	284	1	37	9
S1 L8+00N 27+50E		3		<0.5	5	<1	30	2.98	174	<1	41	7
S1 L8+00N 28+00E		4		0.6	<5	1	46	3.75	543	<1	44	10
S1 L8+00N 28+50E		4		<0.5	12	<1	34	3.13	219	<1	28	11
S1 L8+00N 29+00E		2		<0.5	<5	1	43	3.18	308	<1	37	11
S1 L8+00N 29+50E		6		<0.5	7	<1	30	3.19	198	<1	37	9
S1 L8+00N 30+00E		5		<0.5	10	<1	82	3.96	528	<1	27	9
S1 L8+00N 30+50E		1		0.8	<5	4	122	3.30	1360	1	31	13
S1 L8+00N 31+00E		3	16.0	1.1	14	<1	26	3.13	569	<1	43	12
S1 L8+00N 31+50E		1		<0.5	8	<1	21	1.88	361	<1	16	6
S1 L8+00N 32+00E		<1		<0.5	6	<1	36	2.46	765	<1	24	7
S1 L8+00N 32+50E		<1		0.6	<5	<1	26	2.40	321	<1	24	7
S1 L8+00N 33+00E		<1	14.0	0.5	<5	<1	31	2.84	339	1	34	8
S1 L8+00N 33+50E		4		<0.5	6	<1	44	2.70	575	1	36	9
S1 L8+00N 34+00E		1		0.8	<5	<1	25	2.11	456	<1	21	10
S1 L8+00N 34+50E		<1		0.8	10	<1	25	2.36	264	1	23	10
S1 L8+00N 35+00E		<1		<0.5	5	<1	19	2.24	398	<1	25	7
S1 L8+00N 35+50E		26		<0.5	7	<1	31	2.70	529	<1	32	7
S1 L8+00N 36+00E		5		<0.5	18	<1	32	2.83	559	<1	36	8
S1 L8+00N 36+50E		3		<0.5	6	<1	41	2.99	361	<1	41	10
S1 L8+00N 37+00E		3		<0.5	9	<1	40	3.18	612	<1	41	7
S1 L8+00N 37+50E		6		<0.5	10	<1	21	2.81	235	<1	40	8
S1 L8+00N 38+00E		7		<0.5	<5	1	18	3.00	409	1	31	11
S1 L8+00N 38+50E		13		0.6	13	2	25	3.87	511	<1	36	12
S1 L8+00N 39+00E "EB"												
S1 L8+00N 39+50E "EB"												
S1 L8+00N 40+00E		2		<0.5	<5	1	59	3.66	1042	<1	27	8
S1 L8+00N 40+50E		14		<0.5	24	<1	76	4.34	366	2	44	15
S1 L8+00N 41+00E "EB"												
S1 L8+00N 41+50E "EB"												
S1 L8+00N 42+00E "EB"												
S1 L8+00N 42+50E "EB"												
S1 L8+00N 43+00E "EB"												
S1 L8+00N 43+50E "EB"												
S1 L8+00N 44+00E		5		<0.5	<5	1	33	3.01	383	<1	52	8

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REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 7B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L8+000N 24+50F		<5	171	30
S1 L8+000N 25+00F "FB"				
S1 L8+000N 25+50F		<5	132	30
S1 L8+000N 26+00F		<5	187	40
S1 L8+000N 26+50F		<5	151	30
S1 L8+000N 27+00F		<5	107	30
S1 L8+000N 27+50F		<5	95	10
S1 L8+000N 28+00F		<5	211	30
S1 L8+000N 28+50F		<5	160	25
S1 L8+000N 29+00F		6	103	40
S1 L8+000N 29+50F		<5	125	30
S1 L8+000N 30+00F		5	92	10
S1 L8+000N 30+50F		<5	137	40
S1 L8+000N 31+00F		<5	90	70
S1 L8+000N 31+50F		<5	58	20
S1 L8+000N 32+00F		<5	127	30
S1 L8+000N 32+50F		<5	64	25
S1 L8+000N 33+00F		<5	70	40
S1 L8+000N 33+50F		<5	90	30
S1 L8+000N 34+00F		<5	73	30
S1 L8+000N 34+50F		<5	76	15
S1 L8+000N 35+00F		<5	107	20
S1 L8+000N 35+50F		<5	82	70
S1 L8+000N 36+00F		<5	100	25
S1 L8+000N 36+50F		<5	84	20
S1 L8+000N 37+00F		<5	116	20
S1 L8+000N 37+50F		<5	134	20
S1 L8+000N 38+00F		<5	137	25
S1 L8+000N 38+50F		<5	216	20
S1 L8+000N 39+00F "FB"				
S1 L8+000N 39+50F "EB"				
S1 L8+000N 40+00F		<5	184	20
S1 L8+000N 40+50F		<5	103	20
S1 L8+000N 41+00F "FB"				
S1 L8+000N 41+50F "EB"				
S1 L8+000N 42+00F "EB"				
S1 L8+000N 42+50F "EB"				
S1 L8+000N 43+00F "EB"				
S1 L8+000N 43+50F "EB"				
S1 L8+000N 44+00F		9	107	30

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REPORT: V88-08199.0

PROJECT: ROYAL

PAGE 8A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L8+00N 44+50E		2		<0.5	15	<1	33	3.12	358	1	40	9
S1 L8+00N 45+00F		66		0.9	12	<1	24	2.12	176	2	23	8
S1 L8+00N 45+50E		8		<0.5	10	<1	28	2.64	242	<1	41	8
S1 L8+00N 46+00F		<1		<0.5	<5	<1	23	3.19	273	<1	36	6
S1 L8+00N 46+50E		11		0.6	15	<1	22	2.65	390	1	32	8
S1 L8+00N 47+00F		<1		<0.5	8	<1	21	2.41	341	1	37	7
S1 L8+00N 47+50E		<1		<0.5	15	<1	16	2.02	215	<1	26	<5
S1 L8+00N 48+00F		<1		0.6	12	<1	22	2.55	193	<1	26	6
S1 L8+00N 48+50E		<1		<0.5	15	<1	22	2.25	258	<1	31	9
S1 L8+00N 49+00F "EB"												
S1 L8+00N 49+50E "EB"												
S1 L8+00N 50+00F "EB"												
S1 L12+00N 0+00F		2		0.5	<5	1	26	2.82	314	<1	39	20
S1 L12+00N 0+50E		21		<0.5	6	2	38	2.99	424	<1	47	22
S1 L12+00N 1+00F		<1		1.1	<5	1	23	3.06	324	<1	38	16
S1 L12+00N 1+50E		4		0.8	13	<1	30	3.65	351	2	38	16
S1 L12+00N 2+00F		1		1.0	6	<1	18	2.47	535	<1	28	15
S1 L12+00N 2+50E		4		<0.5	<5	1	35	3.21	412	1	36	17
S1 L12+00N 3+00F		2		<0.5	6	<1	23	2.51	272	1	33	18
S1 L12+00N 3+50E		1		<0.5	<5	1	20	2.84	266	<1	24	12
S1 L12+00N 4+00F		3		<0.5	10	<1	25	2.90	415	<1	30	14
S1 L12+00N 4+50E		3	0.0	1.9	<5	6	34	3.40	388	1	52	25
S1 L12+00N 5+00F		8		<0.5	6	<1	29	2.94	253	1	36	10
S1 L12+00N 5+50E		1		<0.5	5	1	24	2.88	321	1	34	17
S1 L12+00N 6+00F		2		1.0	10	<1	16	2.42	195	<1	20	11
S1 L12+00N 6+50E		6		0.9	30	<1	23	3.35	354	2	23	15
S1 L12+00N 7+00F "EB"												
S1 L12+00N 7+50E		13		<0.5	17	<1	25	3.98	231	<1	27	15
S1 L12+00N 8+00F		6		0.9	7	<1	21	2.31	179	<1	24	26
S1 L12+00N 8+50E		<1		0.8	13	<1	13	2.10	168	<1	16	11
S1 L12+00N 9+00F		5		1.0	19	2	48	3.49	734	<1	279	14
S1 L12+00N 9+50E		1		<0.5	9	<1	48	2.59	469	<1	44	12
S1 L12+00N 10+00E		10		1.1	20	<1	268	3.17	409	1	113	17
S1 L12+00N 10+50F		4		<0.5	11	<1	21	2.31	246	<1	24	10
S1 L12+00N 11+00E "FB"												
S1 L12+00N 11+50F		15	15	<0.5	18	<1	23	2.38	328	<1	24	12
S1 L12+00N 12+00E		4		<0.5	9	<1	24	2.51	489	<1	28	11
S1 L12+00N 12+50F		7		0.7	8	<1	27	2.36	323	<1	28	10
S1 L12+00N 13+00E		5		1.0	<5	1	26	2.33	359	<1	28	8
S1 L12+00N 13+50F		6		<0.5	12	<1	22	2.24	300	<1	31	10

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REPORT: V88-08199.0

PROJECT: ROY-R

PAGE 8A

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
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S1 L8+00N 44+SUF		7	112	20
S1 L8+00N 45+DDE		<5	85	10
S1 L8+00N 45+SUF		<5	126	20
S1 L8+00N 46+DDE		<5	160	15
S1 L8+00N 46+SUF		<5	119	20

S1 L8+00N 47+DDE		5	119	15
S1 L8+00N 47+SUF		<5	74	20
S1 L8+00N 48+DDE		<5	108	25
S1 L8+00N 48+SUF		<5	68	10
S1 L8+00N 49+DDE "EB"				

S1 L8+00N 49+SUF "EB"				
S1 L8+00N 50+DDE "EB"				
S1 L12+00N 0+DUF		<5	115	15
S1 L12+00N 0+SUF		<5	118	20
S1 L12+00N 1+DUF		<5	203	20

S1 L12+00N 1+SDE		<5	138	35
S1 L12+00N 2+DUF		<5	77	40
S1 L12+00N 2+SDE		<5	117	30
S1 L12+00N 3+DUF		<5	80	40
S1 L12+00N 3+SDE		<5	165	20

S1 L12+00N 4+DUF		<5	138	20
S1 L12+00N 4+SUF		<5	178	30
S1 L12+00N 5+DUF		<5	76	20
S1 L12+00N 5+SUF		<5	88	40
S1 L12+00N 6+DUF		<5	140	50

S1 L12+00N 6+SUF		<5	123	25
S1 L12+00N 7+DUF "EB"				
S1 L12+00N 7+SDE		<5	93	15
S1 L12+00N 8+DUF		<5	104	20
S1 L12+00N 8+SUF		<5	99	20

S1 L12+00N 9+DUF		<5	92	70
S1 L12+00N 9+SDE		<5	87	30
S1 L12+00N 10+DUF		<5	94	55
S1 L12+00N 10+SUF		<5	103	10
S1 L12+00N 11+DUF "EB"				

S1 L12+00N 11+SUF		<5	85	15
S1 L12+00N 12+DUF		<5	137	20
S1 L12+00N 12+SDE		<5	70	20
S1 L12+00N 13+DUF		<5	76	20
S1 L12+00N 13+SDE		<5	69	10

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REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 9A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L12+00N 14+00E		5		<0.5	14	<1	23	2.38	236	<1	25	11
S1 L12+00N 14+50F		5		<0.5	14	<1	24	2.75	246	<1	24	7
S1 L12+00N 15+00E		6		<0.5	20	<1	69	4.36	352	<1	57	10
S1 L12+00N 15+50F "EB"												
S1 L12+00N 16+00F		5		<0.5	15	<1	103	4.68	267	3	58	14
S1 L12+00N 16+50E		3		0.8	18	<1	37	2.53	175	<1	33	11
S1 L12+00N 17+00F		7		<0.5	20	<1	147	2.25	157	1	62	9
S1 L12+00N 17+50E		10		<0.5	26	<1	101	3.28	203	1	51	9
S1 L12+00N 18+00F		5		<0.5	16	<1	35	2.63	172	<1	31	10
S1 L12+00N 18+50E		20		<0.5	<5	<1	25	2.34	359	<1	27	10
S1 L12+00N 19+00F		8		<0.5	8	<1	25	2.62	357	<1	29	12
S1 L12+00N 19+50E		6		0.8	13	2	280	3.39	699	<1	68	13
S1 L12+00N 20+00F		8		<0.5	17	<1	165	2.95	487	<1	60	14
S1 L12+00N 20+50F		5		0.6	11	1	28	2.12	357	1	46	11
S1 L12+00N 21+00F		4		<0.5	<5	<1	47	2.90	436	<1	24	10
S1 L12+00N 21+50E		6		<0.5	<5	4	45	4.39	677	<1	55	13
S1 L12+00N 22+00F		6		<0.5	12	<1	33	3.05	385	<1	35	11
S1 L12+00N 22+50E		4		0.5	8	<1	29	2.67	565	<1	23	12
S1 L12+00N 23+00F		7		<0.5	13	<1	29	2.28	265	<1	29	8
S1 L12+00N 23+50E		5		<0.5	12	<1	24	2.47	272	<1	22	9
S1 L12+00N 24+00F		4		<0.5	14	<1	16	2.82	119	<1	19	9
S1 L12+00N 24+50E		<1		<0.5	13	<1	25	2.95	414	<1	11	8
S1 L12+00N 25+00F		11		<0.5	8	<1	21	1.82	172	<1	29	7
S1 L12+00N 25+50E "EB"												
S1 L12+00N 26+00F		44		0.5	<5	1	32	2.71	173	<1	32	11
S1 L12+00N 26+50E		8		0.6	8	<1	13	2.40	787	<1	15	10
S1 L12+00N 27+00F		3		<0.5	<5	1	21	2.83	277	<1	30	7
S1 L12+00N 27+50E "EB"												
S1 L12+00N 28+00F		10		1.0	6	2	95	3.88	767	1	42	18
S1 L12+00N 28+50E		2		1.2	<5	3	67	3.52	1107	<1	47	9
S1 L12+00N 29+00F		42		0.9	18	1	74	2.28	1477	<1	37	6
S1 L12+00N 29+50E		5		<0.5	27	<1	43	2.05	92	<1	11	7
S1 L12+00N 30+00F		<1		<0.5	17	<1	19	1.93	190	<1	15	6
S1 L12+00N 30+50E		<1		<0.5	21	<1	31	2.58	174	<1	27	8
S1 L12+00N 31+00F		6		0.5	14	<1	27	2.51	460	<1	25	<5
S1 L12+00N 31+50E		3		<0.5	12	1	27	2.18	608	<1	20	6
S1 L12+00N 32+00F		2		0.7	9	<1	21	2.86	333	<1	17	12
S1 L12+00N 32+50E		2		0.6	15	<1	25	2.31	307	<1	21	8
S1 L12+00N 33+00F		23		0.9	10	<1	29	2.34	407	<1	21	8
S1 L12+00N 33+50E		8		<0.5	8	2	38	3.18	470	<1	36	11

REPORT: V88-08199.0

PROJECT: ROYER

PAGE 98

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
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S1 L12+NON 14+OAE		<5	92	15
S1 L12+NON 14+SUF		<5	98	10
S1 L12+NON 15+OAE		<5	49	35
S1 L12+NON 15+SUF "EB"				
S1 L12+NON 16+OAE		<5	103	15

S1 L12+NON 16+SUF		<5	68	10
S1 L12+NON 17+OAE		<5	51	20
S1 L12+NON 17+SUF		<5	48	15
S1 L12+NON 18+OAE		<5	87	10
S1 L12+NON 18+SUF		<5	88	15

S1 L12+NON 19+OAE		<5	96	20
S1 L12+NON 19+SUF		<5	139	20
S1 L12+NON 20+OAE		<5	54	35
S1 L12+NON 20+SUF		<5	73	25
S1 L12+NON 21+OAE		<5	151	15

S1 L12+NON 21+SUF		<5	161	20
S1 L12+NON 22+OAE		<5	83	10
S1 L12+NON 22+SUF		<5	125	15
S1 L12+NON 23+OAE		<5	65	15
S1 L12+NON 23+SUF		<5	98	20

S1 L12+NON 24+OAE		<5	137	10
S1 L12+NON 24+SUF		<5	25	10
S1 L12+NON 25+OAE		<5	51	20
S1 L12+NON 25+SUF "EB"				
S1 L12+NON 26+OAE		<5	11	30

S1 L12+NON 26+SUF		<5	96	30
S1 L12+NON 27+OAE		<5	237	40
S1 L12+NON 27+SUF "EB"				
S1 L12+NON 28+OAE		<5	112	90
S1 L12+NON 28+SUF		<5	119	58

S1 L12+NON 29+OAE		<5	96	50
S1 L12+NON 29+SUF		<5	30	15
S1 L12+NON 30+OAE		<5	29	15
S1 L12+NON 30+SUF		<5	65	15
S1 L12+NON 31+OAE		<5	78	20

S1 L12+NON 31+SUF		<5	93	30
S1 L12+NON 32+OAE		<5	99	30
S1 L12+NON 32+SUF		<5	82	20
S1 L12+NON 33+OAE		<5	79	40
S1 L12+NON 33+SUF		<5	90	35

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REPORT: V88-08199.0

PROJECT: ROYTR

PAGE 10A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L12+NON 34+NOE		3		<0.5	23	<1	34	2.60	645	<1	22	9
S1 L12+NON 34+SIF		7		<0.5	11	<1	37	2.52	326	<1	36	7
S1 L12+NON 35+NOE		3		<0.5	25	<1	29	2.25	311	<1	22	8
S1 L12+NON 35+SIF		4		0.7	10	<1	27	2.23	766	<1	22	7
S1 L12+NON 36+NOE "FB"												
S1 L12+NON 36+SIF		3		1.5	23	<1	31	2.55	348	<1	17	9
S1 L12+NON 37+NOE		11		0.6	29	<1	16	2.49	525	<1	15	9
S1 L12+NON 37+SIF		4		<0.5	18	<1	21	2.24	199	<1	18	6
S1 L12+NON 38+NOE		<1		<0.5	15	<1	4	0.92	80	<1	4	<5
S1 L12+NON 38+SIF		3		0.7	20	<1	13	1.74	246	<1	15	6
S1 L12+NON 39+NOE		5		1.1	<5	2	22	4.00	1343	2	64	14
S1 L12+NON 39+SIF		1		0.7	16	<1	19	1.99	516	<1	17	7
S1 L12+NON 40+NOE "FB"												
S1 L12+NON 40+SIF		<1		<0.5	19	<1	6	1.41	272	<1	6	<5
S1 L12+NON 41+NOE "FB"												
S1 L12+NON 41+SIF "EB"												
S1 L12+NON 42+NOE "EB"												
S1 L12+NON 42+SIF		2		0.6	7	<1	11	1.80	269	<1	17	5
S1 L12+NON 43+NOE		7		<0.5	<5	<1	32	2.75	289	<1	32	5
S1 L12+NON 43+SIF		166		<0.5	29	<1	20	2.41	218	<1	22	6
S1 L12+NON 44+NOE "FB"												
S1 L12+NON 44+SIF		5		0.9	<5	<1	33	1.95	189	<1	26	7
S1 L12+NON 45+NOE "FB"												
S1 L12+NON 45+SIF		4		<0.5	8	<1	32	2.12	331	1	32	5
S1 L12+NON 46+NOE "FB"												
S1 L12+NON 46+SIF		129		0.5	17	<1	17	1.82	141	<1	20	6
S1 L12+NON 47+NOE		4		0.6	13	<1	14	2.03	249	<1	18	6
S1 L12+NON 47+SIF		2		0.8	14	<1	8	1.55	150	<1	11	5
S1 L12+NON 48+NOE		2		0.8	10	<1	15	1.66	182	<1	19	6
S1 L12+NON 48+SIF		5		0.8	16	<1	12	1.95	111	<1	22	<5
S1 L12+NON 49+NOE "FB"												
S1 L12+NON 49+SIF		2		0.6	11	<1	25	2.39	399	<1	20	<5
S1 L12+NON 50+NOE		1		<0.5	8	<1	8	1.36	138	<1	9	5
S1 L16+NON 0+SIF "EB"												
S1 L16+NON 0+SNOE "EB"												
S1 L16+NON 1+SIF "EB"												
S1 L16+NON 1+SNOE "EB"												
S1 L16+NON 2+SIF "EB"												
S1 L16+NON 2+SNOE		4		<0.5	9	<1	5	1.03	163	<1	9	<5
S1 L16+NON 3+NOE		30	2.0	0.7	10	<1	25	2.30	138	1	32	12

REPORT: V88-P8199.0

PROJECT: ROYER

PAGE 10B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
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S1 L12+00N 34+00E		<5	82	25
S1 L12+00N 34+50F		<5	71	80
S1 L12+00N 35+00E		<5	33	20
S1 L12+00N 35+50F		<5	87	30
S1 L12+00N 36+00E "FB"				

S1 L12+00N 36+50F		<5	69	50
S1 L12+00N 37+00E		<5	76	25
S1 L12+00N 37+50F		<5	69	20
S1 L12+00N 38+00E		<5	12	10
S1 L12+00N 38+50F		<5	84	15

S1 L12+00N 39+00E		6	117	60
S1 L12+00N 39+50F		<5	66	30
S1 L12+00N 40+00E "FB"				
S1 L12+00N 40+50F		<5	18	10
S1 L12+00N 41+00E "FB"				

S1 L12+00N 41+50F "EB"				
S1 L12+00N 42+00E "EB"				
S1 L12+00N 42+50F		<5	53	10
S1 L12+00N 43+00E		<5	121	5
S1 L12+00N 43+50F		<5	126	10

S1 L12+00N 44+00E "FB"				
S1 L12+00N 44+50F		<5	36	70
S1 L12+00N 45+00E "FB"				
S1 L12+00N 45+50F		<5	58	75
S1 L12+00N 46+00E "FB"				

S1 L12+00N 46+50F		<5	53	15
S1 L12+00N 47+00E		<5	72	20
S1 L12+00N 47+50F		<5	48	15
S1 L12+00N 48+00E		<5	51	40
S1 L12+00N 48+50F		<5	56	40

S1 L12+00N 49+00E "FB"				
S1 L12+00N 49+50F		<5	87	10
S1 L12+00N 50+00E		<5	41	15
S1 L16+00N 0+00F "EB"				
S1 L16+00N 0+50E "EB"				

S1 L16+00N 1+00F "EB"				
S1 L16+00N 1+50E "EB"				
S1 L16+00N 2+00F "EB"				
S1 L16+00N 2+50E		<5	28	15
S1 L16+00N 3+00F		<5	53	60

RECEIVED OCT 20 1988

REPORT: V88-D8199.0

PROJECT: ROYR

PAGE 11A

SAMPLE NUMBER	ELEMENT UNITS	Au PPM	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Pb PPM	Ni PPM	Pb PPM
S1 L16+00N 3+50E		4		<0.5	<5	<1	13	3.16	146	<1	18	9
S1 L16+00N 4+00F		3		0.9	13	<1	14	2.34	207	<1	19	10
S1 L16+00N 4+50E		13		<0.5	13	<1	18	2.80	148	<1	21	16
S1 L16+00N 5+00F "EB"												
S1 L16+00N 5+50E "EB"												
S1 L16+00N 6+00F		22		<0.5	22	<1	47	3.74	105	<1	23	12
S1 L16+00N 6+50E		8		<0.5	19	<1	31	3.28	183	<1	22	11
S1 L16+00N 7+00F		5		<0.5	17	<1	30	2.63	180	<1	30	13
S1 L16+00N 7+50E		2		<0.5	15	<1	39	2.54	131	?	24	6
S1 L16+00N 8+00F "EB"												
S1 L16+00N 8+50E "EB"												
S1 L16+00N 9+00F "EB"												
S1 L16+00N 9+50F "EB"												
S1 L16+00N 10+00F		6		<0.5	9	<1	516	4.82	239	<1	86	14
S1 L16+00N 10+50F		10		<0.5	<5	?	49	4.12	203	?	69	14
S1 L16+00N 11+00F		4		<0.5	<5	?	172	3.97	247	<1	202	19
S1 L16+00N 11+50F		11		<0.5	13	<1	161	3.77	151	<1	71	8
S1 L16+00N 12+00F		5	19.0	<0.5	17	<1	93	3.86	186	<1	87	13
S1 L16+00N 12+50F		5		<0.5	8	?	67	4.04	948	<1	38	8
S1 L16+00N 13+00F		7		<0.5	11	<1	323	3.12	536	<1	190	14
S1 L16+00N 13+50F		4	14.0	<0.5	12	<1	290	4.38	236	<1	254	8
S1 L16+00N 14+00F		10	3.0	<0.5	11	<1	24	3.03	137	<1	96	16
S1 L16+00N 14+50F		4		<0.5	19	<1	107	3.70	235	?	116	8
S1 L16+00N 15+00F		4	17.0	<0.5	11	<1	34	3.77	214	<1	18	10
S1 L16+00N 15+50F		4	16.0	0.6	<5	?	39	4.58	520	?	225	13
S1 L16+00N 16+00F		24		<0.5	10	?	333	3.49	498	?	126	8
S1 L16+00N 16+50F		10		2.7	30	<1	17	4.18	289	?	44	14
S1 L16+00N 17+00F		2		<0.5	18	<1	219	4.95	310	?	230	12
S1 L16+00N 17+50F "EB"												
S1 L16+00N 18+00F		2		<0.5	15	<1	32	2.66	170	?	30	12
S1 L16+00N 18+50F		4		<0.5	12	<1	177	4.11	326	?	60	12
S1 L16+00N 19+00F		3		<0.5	6	<1	557	3.99	200	?	275	17
S1 L16+00N 19+50E		4		1.5	13	<1	31	2.98	183	<1	33	12
S1 L16+00N 20+00F		6		<0.5	17	<1	56	3.92	284	<1	38	11
S1 L16+00N 20+50E		2		<0.5	17	<1	63	2.96	495	<1	44	11
S1 L16+00N 21+00F		4		0.9	23	?	246	4.83	979	<1	235	17
S1 L16+00N 21+50F		11		<0.5	17	<1	79	2.82	494	<1	53	11
S1 L16+00N 22+00F		8		<0.5	25	<1	32	2.50	398	<1	28	13
S1 L16+00N 22+50E "EB"												
S1 L16+00N 23+00F		11		<0.5	22	<1	27	2.63	420	?	29	12

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REPORT: V88-08199.D

PROJECT: ROYFR

PAGE 118

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L16+00N 3+50F		<5	82	20
S1 L16+00N 4+00E		<5	78	20
S1 L16+00N 4+50F		<5	77	25
S1 L16+00N 5+00E "EB"				
S1 L16+00N 5+50F "EB"				
S1 L16+00N 6+00E		<5	41	30
S1 L16+00N 6+50F		<5	56	10
S1 L16+00N 7+00E		<5	79	30
S1 L16+00N 7+50F		<5	39	5
S1 L16+00N 8+00E "FB"				
S1 L16+00N 8+50F "EB"				
S1 L16+00N 9+00E "EB"				
S1 L16+00N 9+50F "EB"				
S1 L16+00N 10+00E		<5	142	20
S1 L16+00N 10+50F		<5	111	15
S1 L16+00N 11+00E		<5	134	15
S1 L16+00N 11+50F		<5	68	10
S1 L16+00N 12+00E		<5	106	20
S1 L16+00N 12+50F		7	176	15
S1 L16+00N 13+00E		<5	116	20
S1 L16+00N 13+50F		6	118	15
S1 L16+00N 14+00E		<5	70	10
S1 L16+00N 14+50F		<5	69	5
S1 L16+00N 15+00E		<5	63	10
S1 L16+00N 15+50F		<5	63	40
S1 L16+00N 16+00E		<5	87	20
S1 L16+00N 16+50F		<5	82	25
S1 L16+00N 17+00E		<5	81	45
S1 L16+00N 17+50F "EB"				
S1 L16+00N 18+00E		<5	57	10
S1 L16+00N 18+50F		<5	144	20
S1 L16+00N 19+00E		<5	185	20
S1 L16+00N 19+50F		<5	83	20
S1 L16+00N 20+00E		<5	160	20
S1 L16+00N 20+50F		<5	77	15
S1 L16+00N 21+00E		<5	136	65
S1 L16+00N 21+50F		<5	100	15
S1 L16+00N 22+00E		<5	81	20
S1 L16+00N 22+50F "EB"				
S1 L16+00N 23+00E		<5	82	20

RECEIVED OCT 20 1988

REPORT: U88-08199.0

PROJECT: ROYFR

PAGE 12A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L16+00N 23+S0E "EB"												
S1 L16+00N 24+00E		<1		<0.5	9	<1	28	2.39	281	<1	26	8
S1 L16+00N 24+S0E		5		0.8	7	<1	25	2.69	204	<1	27	7
S1 L16+00N 25+00E		2		<0.5	15	<1	20	2.45	176	<1	26	8
S1 L16+00N 25+S0E		17		<0.5	7	<1	37	2.63	360	1	34	10
S1 L16+00N 26+00E		21		0.9	6	<1	54	2.74	396	2	40	12
S1 L16+00N 26+S0E "EB"												
S1 L16+00N 27+00E		2		0.7	26	<1	18	3.63	233	<1	22	8
S1 L16+00N 27+S0E		52		0.7	33	<1	48	2.03	423	1	35	9
S1 L16+00N 28+00E		4		<0.5	20	<1	34	2.62	168	<1	30	10
S1 L16+00N 28+S0E												
S1 L16+00N 28+S0E		14		<0.5	10	<1	22	2.77	174	<1	25	7
S1 L16+00N 29+00E		2		<0.5	<5	2	20	3.20	164	<1	26	10
S1 L16+00N 29+S0E "EB"												
S1 L16+00N 30+00E "EB"												
S1 L16+00N 30+S0E		10		<0.5	31	<1	43	5.67	893	2	35	19
S1 L16+00N 31+00E		11		<0.5	35	<1	69	3.99	1366	3	36	9
S1 L16+00N 31+S0E		4		<0.5	<5	1	39	3.86	190	<1	43	10
S1 L16+00N 32+00E		6		<0.5	7	<1	43	3.13	206	1	41	11
S1 L16+00N 32+S0E		6		1.6	7	<1	30	2.06	191	<1	36	9
S1 L16+00N 33+00E		4		<0.5	12	<1	39	2.20	141	<1	19	<5
S1 L16+00N 33+S0E		5		<0.5	7	<1	40	2.49	405	1	34	8
S1 L16+00N 34+00E		6		<0.5	<5	<1	21	2.55	263	<1	24	6
S1 L16+00N 34+S0E		7		<0.5	9	<1	15	1.85	159	<1	19	8
S1 L16+00N 35+00E		5		<0.5	10	<1	26	2.14	213	<1	30	<5
S1 L16+00N 35+S0E		16		<0.5	<5	<1	26	2.74	208	<1	29	6
S1 L16+00N 36+00E		5		0.7	9	<1	30	2.88	414	<1	34	10
S1 L16+00N 36+S0E		4		<0.5	<5	<1	24	2.41	286	<1	25	6
S1 L16+00N 37+00E		8		0.5	<5	<1	37	2.88	271	<1	40	9
S1 L16+00N 37+S0E		4		<0.5	<5	1	26	2.52	223	1	32	6
S1 L16+00N 38+00E		3		<0.5	<5	1	22	2.55	305	<1	25	11
S1 L16+00N 38+S0E		3		<0.5	7	<1	24	2.85	260	<1	29	6
S1 L16+00N 39+00E		6		0.6	9	1	39	3.57	376	2	47	14
S1 L16+00N 39+S0E		7		0.5	<5	1	49	3.18	731	2	40	13
S1 L16+00N 40+00E		15		<0.5	29	<1	43	3.62	359	2	49	16
S1 L16+00N 40+S0E		6		1.0	<5	1	41	3.09	893	1	44	12
S1 L16+00N 41+00E "EB"												
S1 L16+00N 41+S0E		12		0.9	44	<1	103	4.25	648	1	71	17
S1 L16+00N 42+00E		13		<0.5	20	<1	37	3.21	419	<1	47	12
S1 L16+00N 42+S0E		37		<0.5	60	<1	132	5.49	646	3	131	26
S1 L16+00N 43+00E		3		<0.5	<5	2	57	4.87	520	3	51	10

RECEIVED OCT 20 1988

REPORT: V88-N8199.0

PROJECT: ROYR

PAGE 126

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L16+00N 23+5NE "FB"				
S1 L16+00N 24+0NF		<5	90	10
S1 L16+00N 24+5NE		<5	98	20
S1 L16+00N 25+0NF		<5	109	20
S1 L16+00N 25+5NE		<5	88	10
S1 L16+00N 26+0NF		<5	77	20
S1 L16+00N 26+5NE "FB"				
S1 L16+00N 27+0NF		<5	108	20
S1 L16+00N 27+5NE		<5	40	35
S1 L16+00N 28+0NF		6	67	25
S1 L16+00N 28+5NE		<5	110	5
S1 L16+00N 29+0NF		<5	78	25
S1 L16+00N 29+5NE "FB"				
S1 L16+00N 30+0NF "EB"				
S1 L16+00N 30+5NE		<5	175	25
S1 L16+00N 31+0NF		<5	75	45
S1 L16+00N 31+5NE		<5	61	15
S1 L16+00N 32+0NF		<5	81	10
S1 L16+00N 32+5NE		<5	46	50
S1 L16+00N 33+0NF		<5	73	15
S1 L16+00N 33+5NE		<5	57	30
S1 L16+00N 34+0NF		<5	77	10
S1 L16+00N 34+5NE		<5	39	20
S1 L16+00N 35+0NF		<5	47	15
S1 L16+00N 35+5NE		<5	71	30
S1 L16+00N 36+0NF		<5	99	20
S1 L16+00N 36+5NE		<5	76	20
S1 L16+00N 37+0NF		<5	77	20
S1 L16+00N 37+5NE		<5	75	15
S1 L16+00N 38+0NF		<5	83	10
S1 L16+00N 38+5NE		<5	109	5
S1 L16+00N 39+0NF		<5	97	20
S1 L16+00N 39+5NE		<5	106	45
S1 L16+00N 40+0NF		<5	87	15
S1 L16+00N 40+5NE		<5	98	45
S1 L16+00N 41+0NF "EB"				
S1 L16+00N 41+5NE		<5	127	50
S1 L16+00N 42+0NF		<5	85	25
S1 L16+00N 42+5NE		<5	188	30
S1 L16+00N 43+0NF		<5	189	40

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REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 13A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/mt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L16+00N 43+S0E		2		<0.5	<5	1	64	5.19	411	7	58	14
S1 L16+00N 44+U0F		4		1.1	7	<1	30	3.48	296	2	32	9
S1 L16+00N 44+S0E		4		<0.5	20	1	33	3.85	379	3	40	12
S1 L16+00N 45+U0F		15		<0.5	14	1	39	3.70	314	2	58	8
S1 L16+00N 45+S0E		7		<0.5	<5	1	39	3.59	481	1	48	13
S1 L16+00N 46+U0F		4		<0.5	<5	<1	24	3.96	253	<1	36	10
S1 L16+00N 46+S0E		37		<0.5	21	<1	36	2.92	312	1	78	10
S1 L16+00N 47+U0F		523		<0.5	71	<1	62	6.84	256	3	66	28
S1 L16+00N 47+S0E		10	13.0	1.3	<5	3	59	4.92	479	3	86	17
S1 L16+00N 48+U0F		7		<0.5	16	<1	37	3.76	275	<1	43	10
S1 L16+00N 48+S0E		3		<0.5	<5	1	37	3.75	251	<1	63	9
S1 L16+00N 49+U0F		4		<0.5	11	1	63	4.06	499	2	53	15
S1 L16+00N 49+S0E		3		<0.5	<5	<1	27	3.60	276	<1	40	7
S1 L16+00N 50+U0F		4		<0.5	5	<1	31	2.95	312	<1	40	7
S1 L20N 0+00E		13		<0.5	32	<1	54	4.76	233	3	75	14
S1 L20N 0+S0F		5		0.6	15	<1	40	3.40	191	1	61	16
S1 L20N 1+00E		3		<0.5	<5	1	25	3.19	180	<1	41	15
S1 L20N 1+S0F		74		0.9	<5	1	23	2.49	192	<1	28	19
S1 L20N 2+00E		2		<0.5	<5	<1	8	1.92	119	<1	12	9
S1 L20N 2+S0F		<1		<0.5	<5	1	25	2.72	255	<1	33	18
S1 L20N 3+00F		2		<0.5	9	<1	25	2.90	212	<1	36	10
S1 L20N 3+S0F		<1		<0.5	<5	<1	17	3.13	188	<1	23	11
S1 L20N 4+00F		2		<0.5	<5	<1	22	2.76	185	<1	32	10
S1 L20N 4+S0F "EB"												
S1 L20N 5+00E "EB"												
S1 L20N 5+S0F		6		<0.5	<5	<1	29	2.75	468	<1	40	13
S1 L20N 6+00E		3		<0.5	9	<1	29	2.66	503	1	32	13
S1 L20N 6+S0F		45		<0.5	15	<1	41	2.99	140	2	39	12
S1 L20N 7+00E		3		<0.5	<5	<1	28	2.40	253	<1	31	7
S1 L20N 7+S0F		7		<0.5	10	<1	44	3.12	367	<1	53	12
S1 L20N 8+00E		8		<0.5	17	<1	22	2.81	274	<1	26	7
S1 L20N 8+S0F "EB"												
S1 L20N 9+00F		9		<0.5	<5	<1	75	3.11	254	1	46	12
S1 L20N 9+S0E		6		<0.5	<5	1	25	3.06	189	<1	37	12
S1 L20N 10+00F "A"		6		<0.5	<5	<1	44	2.99	230	2	34	8
S1 L20N 10+00E "B"		3		<0.5	18	<1	132	2.92	223	<1	68	11
S1 L20N 10+S0F		2		<0.5	13	<1	23	2.03	191	<1	14	6
S1 L20N 11+00E "B"												
S1 L20N 11+S0F		3		0.7	17	<1	63	3.59	484	1	63	11
S1 L20N 12+00E		3		<0.5	17	<1	33	3.10	340	<1	25	7

RECEIVED OCT 20 1988

REPORT: V88-08199.0

PROJECT: ROYER

PAGE 13B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L16+00N 43+50E		<5	186	25
S1 L16+00N 44+00E		<5	88	45
S1 L16+00N 44+50E		<5	117	20
S1 L16+00N 45+00E		<5	106	25
S1 L16+00N 45+50E		<5	121	30

S1 L16+00N 46+00E		<5	105	20
S1 L16+00N 46+50E		<5	125	10
S1 L16+00N 47+00E		<5	140	40
S1 L16+00N 47+50E		<5	194	30
S1 L16+00N 48+00E		<5	87	20

S1 L16+00N 48+50E		<5	84	40
S1 L16+00N 49+00E		<5	151	30
S1 L16+00N 49+50E		<5	137	20
S1 L16+00N 50+00E		<5	121	20
S1 L20N 0+00E		<5	158	115

S1 L20N 0+50E		<5	107	20
S1 L20N 1+00E		<5	93	50
S1 L20N 1+50E		<5	100	45
S1 L20N 2+00E		<5	57	35
S1 L20N 2+50E		<5	61	30

S1 L20N 3+00E		<5	119	45
S1 L20N 3+50E		<5	48	25
S1 L20N 4+00E		<5	63	20
S1 L20N 4+50E "EB"				
S1 L20N 5+00E "EB"				

S1 L20N 5+50E		<5	74	15
S1 L20N 6+00E		<5	59	20
S1 L20N 6+50E		<5	59	25
S1 L20N 7+00E		<5	79	20
S1 L20N 7+50E		<5	129	10

S1 L20N 8+00E		<5	132	15
S1 L20N 8+50E "EB"				
S1 L20N 9+00E		<5	68	20
S1 L20N 9+50E		<5	100	25
S1 L20N 10+00E "A"		<5	98	30

S1 L20N 10+50E "B"		<5	30	10
S1 L20N 10+50E		<5	63	10
S1 L20N 11+00E "LB"				
S1 L20N 11+50E		<5	141	30
S1 L20N 12+00E		<5	61	20

RECEIVED OCT 20 1983



REPORT: V88-08199.0

PRDJCT: ROYER PAGE 14A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L20N 12+50E		4		<0.5	13	<1	20	3.33	207	2	21	10
S1 L20N 13+100F		<1		0.8	11	<1	57	3.92	357	2	48	15
S1 L20N 13+50E		2		0.6	25	<1	70	4.23	1382	<1	45	8
S1 L20N 14+100F		2		<0.5	10	<1	44	2.84	233	4	26	7
S1 L20N 14+50E		22		0.6	8	<1	26	3.34	174	1	24	10
S1 L20N 15+100F "EB"												
S1 L20N 15+50E "EB"												
S1 L20N 16+100F		7		1.0	18	<1	19	2.65	248	<1	17	8
S1 L20N 16+50E "FB"												
S1 L20N 17+100F		<1		1.3	15	<1	41	2.89	168	<1	23	6
S1 L20N 17+50F		13		1.5	16	<1	27	2.48	377	<1	19	10
S1 L20N 18+100F		3		1.7	13	<1	70	1.05	231	<1	33	8
S1 L20N 18+50F		4		0.7	23		2	1.48	201		64	11
S1 L20N 19+100F "EB"												
S1 L20N 19+50F		35		1.0	51	<1	53	6.48	221	3	30	22
S1 L20N 20+00E		26		2.7	20	1	98	5.06	597	1	40	13
S1 L20N 20+50F "EB"												
S1 L20N 21+100F		6		2.3	30	<1	90	3.53	546	3	36	12
S1 L20N 21+50E "FB"												
S1 L20N 22+00F		2		<0.5	17	<1	102	4.95	472	2	41	11
S1 L20N 22+50F		2		0.5	24	<1	45	2.16	807	2	16	10
S1 L20N 23+100F		3		<0.5	18	1	64	3.44	422	2	35	11
S1 L20N 23+50E "FB"												
S1 L20N 24+100F "EB"												
S1 L20N 24+50E "EB"												
S1 L20N 25+00F		5		1.1	10	1	47	4.07	644	2	34	13
S1 L20N 25+50F		10		0.7	12	<1	49	3.28	530	2	16	11
S1 L20N 26+100F		4		0.6	16	<1	22	3.42	434	<1	26	12
S1 L20N 26+50E		5		1.2	<5	<1	15	1.75	135	<1	28	11
S1 L20N 27+00F		7		<0.5	25	<1	26	3.25	154	2	20	13
S1 L20N 27+50E		13		<0.5	9	<1	31	3.95	206	1	31	11
S1 L20N 28+100F		5		0.8	6	1	26	4.18	362	<1	28	10
S1 L20N 28+50F		6		<0.5	12	2	29	5.02	745	3	28	14
S1 L20N 29+100F "EB"												
S1 L20N 29+50E "EB"												
S1 L20N 30+100F		14		<0.5	16	<1	35	2.99	246	<1	47	11
S1 L20N 30+50E "FB"												
S1 L20N 31+100F		4		0.9	34	2	59	3.82	411	2	36	12
S1 L20N 31+50E		51		<0.5	21	<1	46	2.62	323	1	32	10
S1 L20N 32+100F		4		<0.5	16	<1	27	3.68	241	2	40	10

REPORT: V88-08199.D

PROJECT: ROYER

PAGE 14B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L20N 12+SOF		<5	58	10
S1 L20N 13+OFE		<5	105	20
S1 L20N 13+SOF		<5	113	40
S1 L20N 14+OFE		<5	87	20
S1 L20N 14+SOF		<5	60	10
S1 L20N 15+OFE "FB"				
S1 L20N 15+SOF "EB"				
S1 L20N 16+OFE		<5	58	25
S1 L20N 16+SOF "EB"				
S1 L20N 17+OFE		<5	52	15
S1 L20N 17+SOF		<5	73	20
S1 L20N 18+OFE		<5	90	30
S1 L20N 18+SOF		<5	129	15
S1 L20N 19+OFE "EB"				
S1 L20N 19+SOF		<5	79	30
S1 L20N 20+OFE		<5	100	20
S1 L20N 20+SOF "EB"				
S1 L20N 21+OFE		<5	80	10
S1 L20N 21+SOF "FB"				
S1 L20N 22+OFE		<5	111	20
S1 L20N 22+SOF		<5	64	25
S1 L20N 23+OFE		<5	58	20
S1 L20N 23+SOF "FB"				
S1 L20N 24+OFE "EB"				
S1 L20N 24+SOF "EB"				
S1 L20N 25+OFE		<5	120	30
S1 L20N 25+SOF		<5	89	30
S1 L20N 26+OFE		<5	161	20
S1 L20N 26+SOF		<5	54	10
S1 L20N 27+OFE		<5	79	15
S1 L20N 27+SOF		<5	134	20
S1 L20N 28+OFE		<5	270	10
S1 L20N 28+SOF		<5	172	20
S1 L20N 29+OFE "EB"				
S1 L20N 29+SOF "EB"				
S1 L20N 30+OFE		<5	133	20
S1 L20N 30+SOF "FB"				
S1 L20N 31+OFE		<5	83	20
S1 L20N 31+SOF		<5	82	40
S1 L20N 32+OFE		<5	83	20

RECEIVED OCT. 20 1983



REPORT: V88-08199.0

PROJECT: ROYR

PAGE 15A

SAMPLE NUMBER	ELEMENT UNITS	Au PPM	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L20N 32+S0E		9		<0.5	107	<1	66	3.76	228	13	37	14
S1 L20N 33+I0IF		<1		<0.5	27	<1	24	3.53	214	<1	24	9
S1 L20N 33+S0E "EB"												
S1 L20N 34+I0IF "EB"												
S1 L20N 34+S0F		5		<0.5	18	<1	48	3.23	219	3	36	7
S1 L20N 35+00E "EB"												
S1 L20N 35+S0F		2		1.0	10	<1	17	2.14	159	<1	14	6
S1 L20N 36+00E		6		1.1	47	<1	74	3.22	774	<1	37	7
S1 L20N 36+S0F		2		0.7	9	<1	24	2.43	231	<1	28	9
S1 L20N 37+00E		2		<0.5	6	<1	19	2.13	219	<1	26	7
S1 L20N 37+S0F		2		<0.5	10	<1	30	2.65	538	3	35	9
S1 L20N 38+00E		<1		<0.5	5	<1	29	2.94	477	<1	36	10
S1 L20N 38+S0F "EB"												
S1 L20N 39+00E "EB"												
S1 L20N 39+S0F "EB"												
S1 L20N 40+00E "EB"												
S1 L20N 40+S0F "EB"												
S1 L20N 41+00E		3		0.9	<5	3	33	3.78	379	17	36	14
S1 L20N 41+S0E		3		<0.5	14	3	23	2.88	486	7	29	9
S1 L20N 42+I0IF "EB"												
S1 L20N 42+S0E "EB"												
S1 L20N 43+I0IF "EB"												
S1 L20N 43+S0E "EB"												
S1 L20N 44+I0IF		10		<0.5	32	3	36	3.63	418	27	101	20
S1 L20N 44+S0E		1		1.1	10	7	68	2.69	222	7	48	12
S1 L20N 45+I0IF		5		<0.5	29	<1	26	3.19	217	7	33	12
S1 L20N 45+S0E		55		0.5	10	<1	21	3.48	420	1	32	11
S1 L20N 46+I0IF		2		0.5	19	2	3	3.13	221	2	69	11
S1 L20N 46+S0E		19		0.6	13	<1	61	3.12	283	1	12	7
S1 L20N 47+I0IF		5		<0.5	11	<1	34	2.60	211	<1	29	8
S1 L20N 47+S0F		3		0.6	15	<1	24	1.51	195	<1	30	<5
S1 L20N 48+I0IF "EB"												
S1 L20N 48+S0E "EB"												
S1 L20N 49+I0IF "EB"												
S1 L20N 49+S0E "EB"												
S1 L20N 50+I0IF		<1		<0.5	7	<1	16	2.03	152	<1	19	<5
S1 L24+S0N 11+00E		5		0.6	23	<1	24	1.84	289	<1	18	5
S1 L24+S0N 11+S0F		8		0.5	21	<1	28	1.61	151	<1	14	7
S1 L24+S0N 12+00E		2		1.1	13	<1	68	2.02	594	<1	34	7
S1 L24+S0N 12+S0F		1		0.7	20	<1	34	1.87	187	<1	25	<5

RECEIVED OCT 20 1983

REPORT: V88-08199.0

PROJECT: ROYER

PAGE 15R

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L20N 32+50F		<5	229	10
S1 L20N 33+00E		<5	85	20
S1 L20N 33+50F "EB"				
S1 L20N 34+00E "EB"				
S1 L20N 34+50F		<5	116	30
S1 L20N 35+00E "EB"				
S1 L20N 35+50F		<5	68	15
S1 L20N 36+00E		<5	110	25
S1 L20N 36+50F		<5	75	20
S1 L20N 37+00E		<5	82	10
S1 L20N 37+50F		<5	137	25
S1 L20N 38+00E		<5	103	20
S1 L20N 38+50F "EB"				
S1 L20N 39+00E "EB"				
S1 L20N 39+50F "EB"				
S1 L20N 40+00E "EB"				
S1 L20N 40+50F "EB"				
S1 L20N 41+00F		<5	264	25
S1 L20N 41+50E		<5	360	10
S1 L20N 42+00F "EB"				
S1 L20N 42+50E "EB"				
S1 L20N 43+00F "EB"				
S1 L20N 43+50F "EB"				
S1 L20N 44+00F		7	297	110
S1 L20N 44+50F		25	369	25
S1 L20N 45+00F		5	206	15
S1 L20N 45+50E		<5	163	15
S1 L20N 46+00F		<5	227	25
S1 L20N 46+50F		<5	109	10
S1 L20N 47+00F		<5	74	15
S1 L20N 47+50E		<5	75	10
S1 L20N 48+00F "EB"				
S1 L20N 48+50E "EB"				
S1 L20N 49+00F "EB"				
S1 L20N 49+50E "EB"				
S1 L20N 50+00F		<5	56	20
S1 L24+50N 11+00F		<5	42	20
S1 L24+50N 11+50F		<5	22	25
S1 L24+50N 12+00E		<5	52	10
S1 L24+50N 12+50F		<5	54	20

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 1988

REPORT: V88-08199.D

PROJECT: ROYR

PAGE 16A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	As/wt. G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L24+SDN 13+DNE		4		0.9	19	<1	35	1.87	729	<1	26	8
S1 L24+SDN 13+SHF		2		0.7	13	<1	29	1.49	151	<1	27	<5
S1 L24+SDN 14+DNE		1		1.2	15	<1	57	2.15	747	<1	34	9
S1 L24+SDN 15+SHF		6		1.1	10	<1	36	1.94	289	<1	27	6
S1 L24+SDN 15+DNE		2		<0.5	19	<1	96	2.30	283	1	32	8
S1 L24+SDN 16+SHF		2		1.1	22	<1	96	2.65	480	1	36	6
S1 L24+SDN 17+DNE		2		<0.5	21	<1	26	2.30	200	<1	25	5
S1 L24+SDN 17+SHF		1		0.8	14	<1	31	2.35	249	<1	19	7
S1 L24+SDN 18+DNE		4		1.7	18	<1	28	2.41	671	2	22	9
S1 L24+SDN 18+SHF		2		1.0	20	<1	31	1.80	147	<1	11	6
S1 L24+SDN 19+DNE		4		1.1	12	<1	13	1.78	73	<1	9	7
S1 L24+SDN 19+SHF		2		1.0	20	<1	14	1.72	313	<1	13	8
S1 L24+SDN 20+DNE		1		1.1	18	<1	27	1.73	460	1	46	9
S1 L24+SDN 20+SHF		2		1.8	17	<1	26	1.52	156	1	20	8
S1 L24+SDN 21+DNE "EB"												
S1 L24+SDN 21+SHF "EB"												
S1 L24+SDN 22+DNE "EB"												
S1 L24+SDN 22+SHF "EB"												
S1 L24+SDN 23+SHF		5	15.0	0.9	13	<1	26	1.51	153	<1	21	6
S1 L24+SDN 23+DNE		4		0.6	11	<1	20	1.22	133	<1	15	8
S1 L24+SDN 24+SHF		18		0.7	13	<1	20	1.44	152	<1	19	6
S1 L24+SDN 24+DNE		9		0.7	11	<1	20	1.52	159	<1	20	6
S1 L24+SDN 25+SHF "EB"												
S1 L24+SDN 25+DNE		<1		0.8	9	<1	20	1.93	262	<1	20	8
S1 L24+SDN 26+DNE		16		0.7	16	<1	33	2.12	41	1	39	10
S1 L24+SDN 26+SHF		8		1.0	21	<1	25	1.76	230	<1	30	7
S1 L24+SDN 27+DNE		11		0.9	26	<1	27	1.86	243	<1	32	6
S1 L24+SDN 27+SHF		7		1.8	13	<1	35	1.82	260	2	29	9
S1 L24+SDN 28+DNE		6		0.6	19	<1	19	1.34	170	<1	22	<5
S1 L24+SDN 28+SHF		10		0.8	21	<1	20	1.39	177	<1	27	<5
S1 L24+SDN 29+DNE		5		1.0	21	<1	39	1.75	191	<1	40	8
S1 L24+SDN 29+SHF		6		1.1	33	<1	39	1.97	256	<1	31	7
S1 L24+SDN 30+DNE		9		0.5	16	<1	30	1.84	243	2	22	9
S1 L24+SDN 30+SHF		4		1.2	50	<1	23	2.37	136	<1	15	6
S1 L24+SDN 31+DNE		1		1.1	21	<1	13	1.92	145	<1	15	<5
S1 L24+SDN 31+SHF		4		1.1	20	<1	15	2.17	160	<1	17	5
S1 L24+SDN 32+DNE		3		<0.5	<5	<1	41	4.30	368	<1	18	9
S1 L24+SDN 32+SHF		7		<0.5	18	<1	63	3.52	1168	1	32	13
S1 L24+SDN 33+DNE		4		<0.5	20	<1	27	3.20	160	<1	25	9
S1 L24+SDN 33+SHF "EB"												

RECEIVED OCT 24 1983

REPORT: V88-08199.0

PROJECT: ROYFR

PAGE 168

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L24+50N 13+00E		<5	58	10
S1 L24+50N 13+50F		<5	27	5
S1 L24+50N 14+00E		<5	98	35
S1 L24+50N 15+00F		<5	80	15
S1 L24+50N 15+50E		<5	54	20
S1 L24+50N 16+50F		<5	64	20
S1 L24+50N 17+00E		<5	56	10
S1 L24+50N 17+50F		<5	50	35
S1 L24+50N 18+00E		<5	90	25
S1 L24+50N 18+50F		<5	43	25
S1 L24+50N 19+00F		<5	13	20
S1 L24+50N 19+50F		<5	79	15
S1 L24+50N 20+00F		<5	74	80
S1 L24+50N 20+50F		<5	33	10
S1 L24+50N 21+00F	"FB"			
S1 L24+50N 21+50F	"EB"			
S1 L24+50N 22+00E	"EB"			
S1 L24+50N 27+50F	"EB"			
S1 L24+50N 23+00E		<5	34	15
S1 L24+50N 23+50F		<5	23	15
S1 L24+50N 24+00E		<5	35	15
S1 L24+50N 24+50F		<5	34	10
S1 L24+50N 25+00E	"FB"			
S1 L24+50N 25+50F		<5	36	25
S1 L24+50N 26+00E		<5	81	50
S1 L24+50N 26+50F		<5	83	20
S1 L24+50N 27+00E		<5	87	20
S1 L24+50N 27+50F		<5	79	60
S1 L24+50N 28+00E		<5	31	15
S1 L24+50N 28+50F		<5	38	15
S1 L24+50N 29+00E		<5	50	20
S1 L24+50N 29+50F		<5	61	40
S1 L24+50N 30+00E		<5	52	45
S1 L24+50N 30+50F		<5	61	10
S1 L24+50N 31+00E		<5	55	10
S1 L24+50N 31+50F		<5	64	20
S1 L24+50N 32+00E		<5	108	20
S1 L24+50N 32+50F		<5	226	30
S1 L24+50N 33+00E		<5	68	15
S1 L24+50N 33+50F	"EB"			

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REPORT: V88-08199.0

PROJECT: ROYLR

PAGE 17A

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	Au/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L24+50N 34+00E		5		0.9	23	<1	35	3.31	293	<1	28	8
S1 L24+50N 34+50E		63		<0.5	29	<1	35	2.83	224	<1	21	6
S1 L24+50N 35+00E		10		0.9	30	<1	47	3.51	489	?	49	12
S1 L24+50N 35+50E		16		7.0	59	3	138	>10.00	1920	78	106	23
S1 L24+50N 36+00E		7		0.9	14	<1	80	2.74	456	6	42	9
S1 L24+50N 36+50E		8		0.8	23	<1	53	3.17	397	3	28	9
S1 L24+50N 37+00E		3		0.8	30	4	65	3.50	266	32	26	13
S1 L24+50N 37+50E		9		0.8	34	8	72	3.13	774	2	60	12
S1 L24+50N 38+00E		5		<0.5	49	1	39	4.40	479	15	39	15
S1 L24+50N 38+50E		12		1.1	43	14	52	3.64	1572	12	66	14
S1 L24+50N 39+00E		3		0.6	26	1	22	2.83	277	3	21	7
S1 L24+50N 39+50E		12		0.9	25	<1	48	3.44	331	4	36	8
S1 L24+50N 40+00E		4		0.7	19	<1	17	2.75	235	?	17	5
S1 L24+50N 40+50E		8		0.6	16	2	60	4.14	312	?	45	11
S1 L24+50N 41+00E		1		1.3	52	2	83	4.51	353	30	56	15
S1 L24+50N 41+50E		2		<0.5	24	3	59	3.34	629	7	43	13
S1 L24+50N 42+00E		<1		0.6	8	1	26	3.12	173	6	23	<5
S1 L24+50N 42+50E		21		2.7	60	14	73	2.86	404	12	166	13
S1 L24+50N 43+00E		2		<0.5	12	2	23	2.33	189	2	21	6
S1 L24+50N 43+50E		7		1.9	150	4	138	5.08	157	77	94	16
S1 L24+50N 44+00E		4		0.8	19	<1	27	3.11	324	3	39	7
S1 L24+50N 44+50E		14		0.5	20	2	34	3.27	310	5	30	12
S1 L24+50N 45+00E		5		1.1	7	1	43	3.29	587	3	117	10
S1 L24+50N 45+50E		7		0.7	13	1	40	3.71	310	5	63	11
S1 L24+50N 46+00E		22		<0.5	15	1	25	3.35	263	10	31	10
S1 L24+50N 46+50E		<1		<0.5	7	<1	32	3.48	459	2	32	20
S1 L24+50N 47+00E		6		2.1	<5	2	69	4.08	989	4	57	15
S1 L24+50N 47+50E		21		2.7	11	3	186	5.23	1809	3	115	18
S1 L24+50N 48+00E		9		<0.5	<5	1	37	3.42	281	<1	50	9
S1 L24+50N 48+50E	"EB"											
S1 L24+50N 49+00E	"EB"											
S1 L24+50N 49+50E	"EB"											
S1 L24+50N 50+00E	"EB"											
S1 L25+50N 0+00E		5		<0.5	13	<1	10	1.39	262	<1	13	6
S1 L25+50N 0+50E		12		<0.5	<5	1	23	3.56	234	<1	37	12
S1 L25+50N 1+00E		4		<0.5	17	<1	12	2.00	94	<1	13	14
S1 L25+50N 1+50E		5		<0.5	<5	<1	14	2.76	282	<1	22	10
S1 L25+50N 2+00E		5		<0.5	5	1	34	3.16	241	1	45	12
S1 L25+50N 2+50E		8		<0.5	5	<1	20	2.74	163	<1	22	11
S1 L24+50N 3+00E	"EB"											

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REPORT: V88-08199.0

PROJECT: ROY-R

PAGE 17B

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L24+SON 34+00F		<5	57	60
S1 L24+SON 34+50F		<5	75	25
S1 L24+SON 35+00F		<5	77	45
S1 L24+SON 35+50F		<5	1611	425
S1 L24+SON 36+00F		5	69	45
S1 L24+SON 36+50F		<5	232	211
S1 L24+SON 37+00F		<5	324	30
S1 L24+SON 37+50F		<5	2411	65
S1 L24+SON 38+00F		<5	282	30
S1 L24+SON 38+50F		5	729	80
S1 L24+SON 39+00F		<5	160	20
S1 L24+SON 39+50F		<5	194	15
S1 L24+SON 40+00F		<5	113	15
S1 L24+SON 40+50F		<5	297	30
S1 L24+SON 41+00F		9	323	25
S1 L24+SON 41+50F		<5	178	70
S1 L24+SON 42+00F		<5	184	20
S1 L24+SON 42+50F		9	979	370
S1 L24+SON 43+00F		<5	281	15
S1 L24+SON 43+50F		10	793	35
S1 L24+SON 44+00F		<5	245	20
S1 L24+SON 44+50F		<5	219	30
S1 L24+SON 45+00F		<5	236	90
S1 L24+SON 45+50F		<5	287	70
S1 L24+SON 46+00F		<5	202	25
S1 L24+SON 46+50F		<5	185	20
S1 L24+SON 47+00F		<5	138	160
S1 L24+SON 47+50F		5	183	410
S1 L24+SON 48+00F		<5	79	35
S1 L24+SON 48+50F "EB"				
S1 L24+SON 49+00F "EB"				
S1 L24+SON 49+50F "EB"				
S1 L24+SON 50+00F "EB"				
S1 L25+SON 0+00F		<5	56	111
S1 L25+SON 0+50F		6	159	40
S1 L25+SON 1+00F		<5	49	20
S1 L25+SON 1+50F		<5	106	20
S1 L25+SON 2+00F		<5	143	30
S1 L25+SON 2+50F		<5	61	15
S1 L24+SON 3+00F "EB"				

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REPORT: V88-08199.0

PROJECT: ROYER

PAGE 18A

SAMPLE NUMBER	ELEMENT UNIT IS	Au PPR	As/wt G	Ag PPM	As PPM	Cd PPM	Cu PPM	Fe PCT	Mn PPM	Mo PPM	Ni PPM	Pb PPM
S1 L25+50N 3+50E		2		<0.5	<5	<1	15	2.54	190	<1	19	11
S1 L25+50N 4+00F		2		0.6	8	<1	11	1.76	166	<1	15	18
S1 L25+50N 4+50E		4		<0.5	13	<1	4	0.62	206	<1	3	5
S1 L25+50N 5+00F "EB"												
S1 L25+50N 5+50F		<1		<0.5	7	<1	16	2.76	181	<1	17	11
S1 L25+50N 6+00E		2		<0.5	12	<1	15	2.29	179	<1	16	14
S1 L25+50N 6+50F		2		<0.5	13	<1	24	2.82	289	<1	27	13
S1 L25+50N 7+00E "FB"												
S1 L25+50N 7+50F "EB"												
S1 L25+50N 8+00F		3		<0.5	21	<1	33	3.58	386	<1	37	15
S1 L25+50N 8+50E		2		0.8	14	<1	20	2.80	248	<1	17	9
S1 L25+50N 9+00F "EB"												
S1 L25+50N 9+50E		4		0.7	15	<1	22	1.84	212	<1	20	6
S1 L25+50N 10+00F		7		<0.5	11	1	40	2.81	675	<1	35	15

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REPORT: V88-118199.0

PROJECT: ROYER

PAGE 18D

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Zn PPM	Hg PPB
S1 L25+50N 3+50E		<5	79	10
S1 L25+50N 4+00F		<5	58	30
S1 L25+50N 4+50E		<5	16	15
S1 L25+50N 5+00F "EB"		<5	92	10
S1 L25+50N 5+50E		<5	92	10
S1 L25+50N 6+00F		<5	93	10
S1 L25+50N 6+50E		<5	64	25
S1 L25+50N 7+00F "EB"				
S1 L25+50N 7+50E "EB"				
S1 L25+50N 8+00F		<5	113	20
S1 L25+50N 8+50E		<5	72	20
S1 L25+50N 9+00F "EB"				
S1 L25+50N 9+50E		<5	77	40
S1 L25+50N 10+00F		<5	87	20

APPENDIX #2

BONDAR-CLEGG GEOCHEMICAL STATISTICS PACKAGE

ROYER CLAIMS

NTS 930/3

APPENIDIX #2

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BBBBBBB
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Bondar-Cless Geochemical Statistics Package

LAC MINERALS LTD.

Correlation Matrix

	AU	AG	AS	CD	CU	FE	HG	MN	MO	NI
AU	1.000 1192									
AG	0.083# 1192	1.000 1194								
AS	0.227# 1192	0.122# 1194	1.000 1194							
CD	0.024 1192	0.242# 1194	0.217# 1194	1.000 1194						
CU	0.113# 1192	0.226# 1194	0.216# 1194	0.148# 1194	1.000 1194					
FE	0.095# 1192	0.040 1194	0.365# 1194	0.172# 1194	0.299# 1194	1.000 1194				
HG	-0.021 1192	0.050 1193	0.129# 1193	0.276# 1193	0.024 1193	0.161# 1193	1.000 1194			
MN	0.027 1192	0.444# 1194	0.073# 1194	0.107# 1194	0.239# 1194	0.281# 1194	0.110# 1193	1.000 1194		
MO	0.043 1192	0.379# 1194	0.384# 1194	0.235# 1194	0.163# 1194	0.219# 1194	0.025 1193	0.215# 1194	1.000 1194	
NI	-0.020 1192	-0.045 1194	0.031 1194	-0.004 1194	0.133# 1194	0.453# 1194	0.122# 1193	0.112# 1194	-0.016 1194	1.000 1194
PB	0.083# 1192	0.391# 1194	0.066# 1194	0.155# 1194	0.208# 1194	0.076# 1194	0.145# 1193	0.807# 1194	0.155# 1194	-0.043 1194
SB	0.000 1192	0.077# 1194	0.229# 1194	0.350# 1194	0.083# 1194	0.006 1194	0.145# 1193	0.007 1194	0.309# 1194	-0.027 1194
ZN	0.068# 1192	0.195# 1193	0.230# 1193	0.417# 1193	0.214# 1193	0.177# 1193	0.224# 1192	0.292# 1193	0.212# 1193	0.009 1193

indicates significant correlation at 95% confidence level

LAC MINERALS LTD.

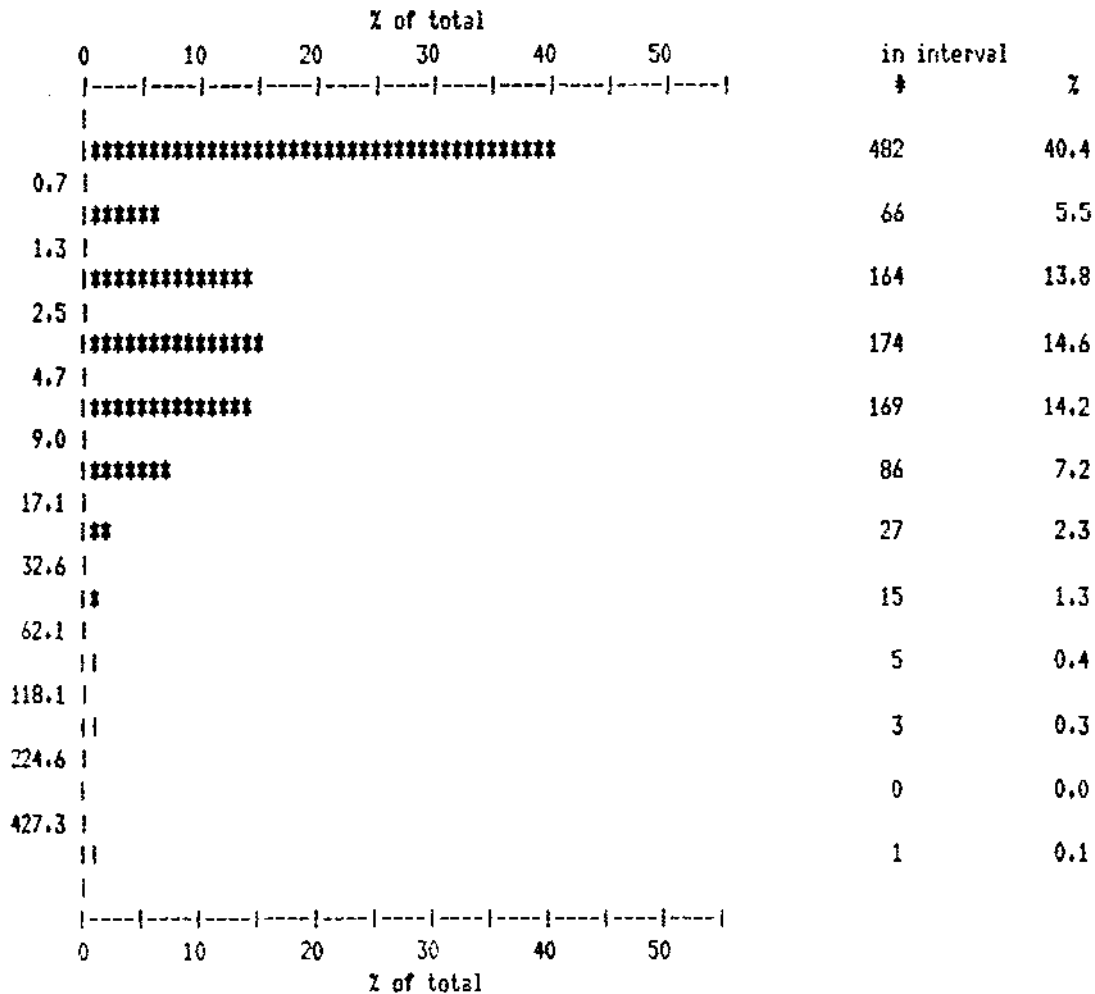
Correlation Matrix

	PB	SB	ZN
AU			
AG			
AS			
CD			
CU			
FE			
HG			
MN			
MO			
NI			
PB	1.000		
	1194		
SB	0.100*	1.000	
	1194	1194	
ZN	0.637*	0.290*	1.000
	1193	1193	1193

* indicates significant correlation at 95% confidence level

LAC MINERALS LTD.

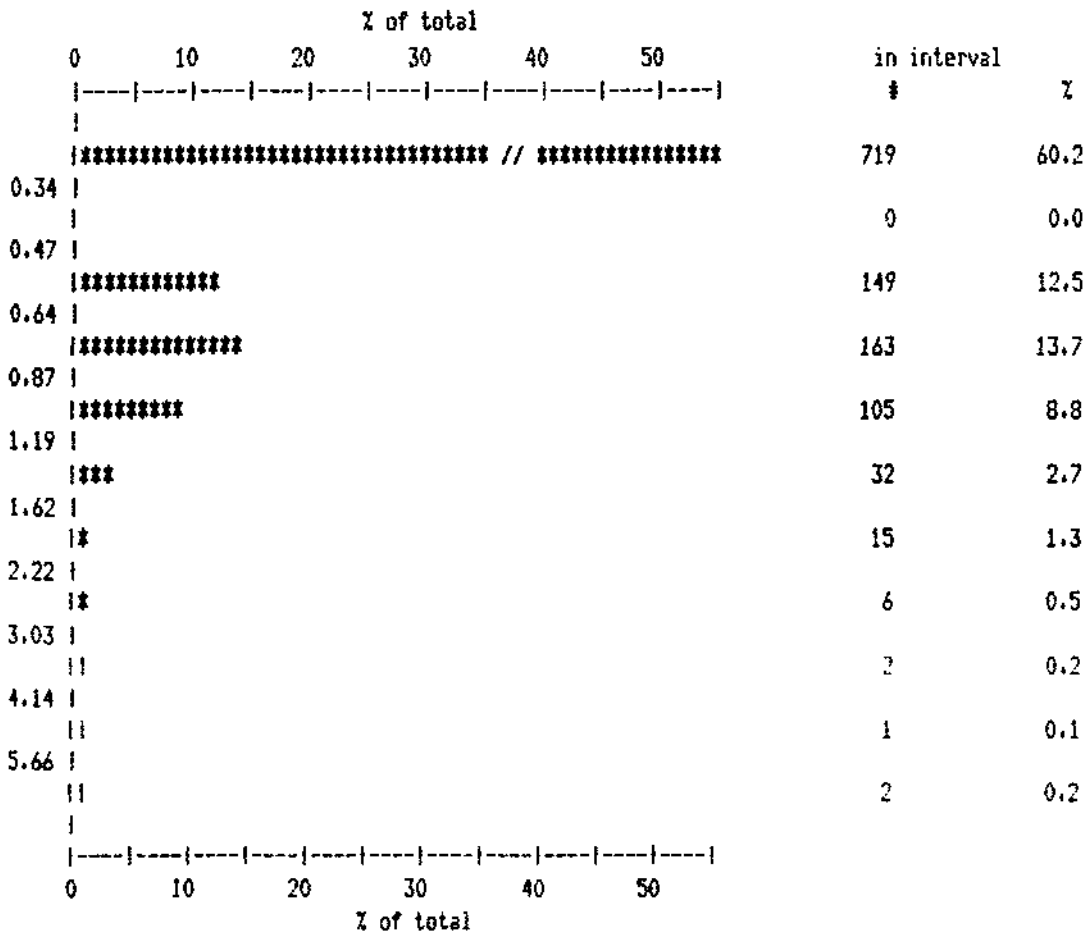
Histogram for Gold (AU) Values in PPB



Summary Statistics (Log transformed values)			
Number of samples	: 1192	Mean value	: 0.26
Number of intervals	: 12	Standard Deviation	: 0.559
Minimum value	: 0.5	Coeff. of variation	: 2.176
Maximum value	: 523	Skewness	: 0.64
Median value	: 1.8	Kurtosis	: -1.382
Modal Range	: less than 0.7		
Values in modal range	: 482 (40.4 % of total)		

LAC MINERALS LTD.

Histogram for Silver (AG) Values in PPM

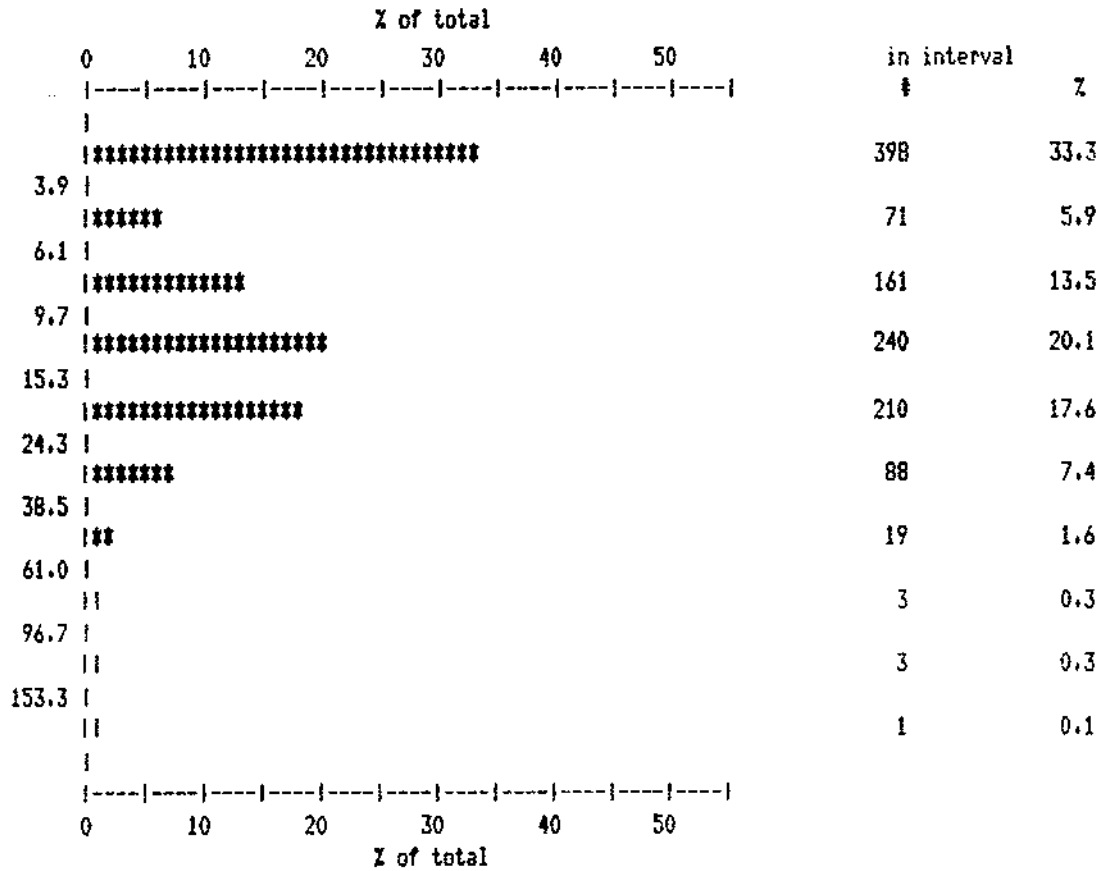


Summary Statistics (Log transformed values)

Number of samples	: 1194	Mean value	: -0.40
Number of intervals	: 11	Standard Deviation	: 0.271
Minimum value	: 0.2	Coeff. of variation	: -0.679
Maximum value	: 7.0	Skewness	: 0.998
Median value	: 0.2	Kurtosis	: 5.9931
Modal Range	: less than 0.34		
Values in modal range	: 719 (60.2 % of total)		

LAC MINERALS LTD.

Histogram for Arsenic (AS) Values in PPM

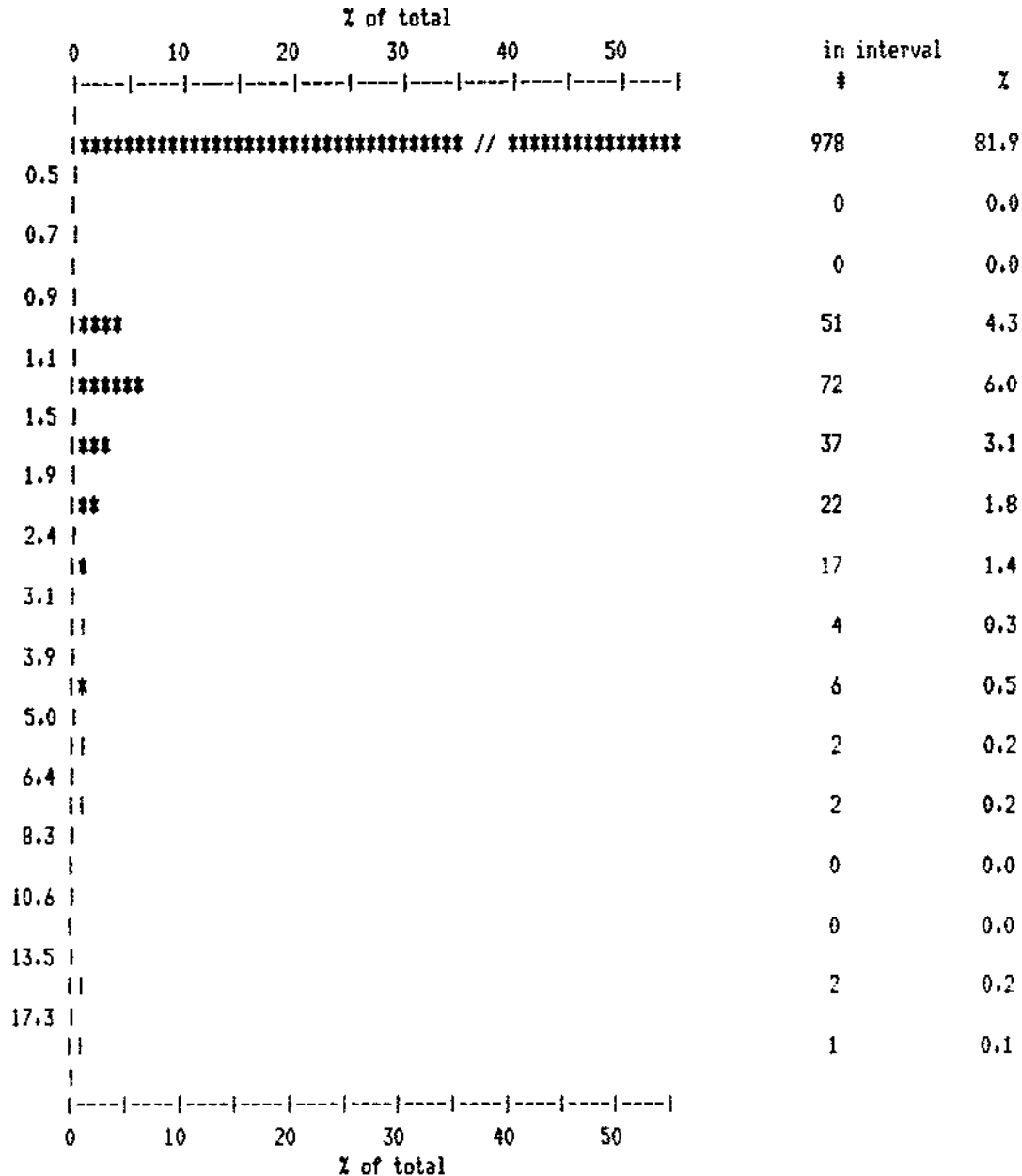


Summary Statistics (Log transformed values)

Number of samples	: 1194	Mean value	: 0.89
Number of intervals	: 10	Standard Deviation	: 0.400
Minimum value	: 2.5	Coeff. of variation	: 0.451
Maximum value	: 158	Skewness	: 0.09
Median value	: 8.8	Kurtosis	: 65.861
Modal Range	: less than 3.9		
Values in modal range	: 398 (33.3 % of total)		

LAC MINERALS LTD.

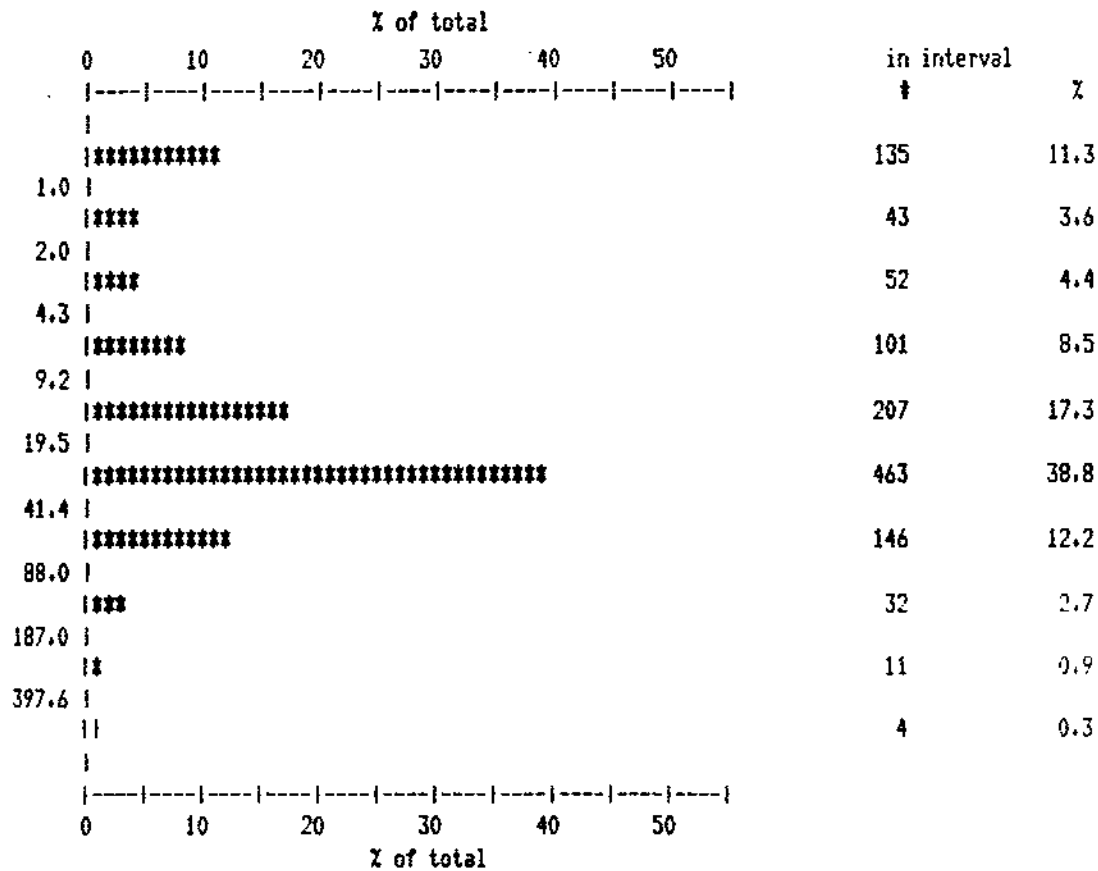
Histogram for Cadmium (CD) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: -0.21
Number of intervals	: 16	Standard Deviation	: 0.215
Minimum value	: 0.5	Coeff. of variation	: -1.022
Maximum value	: 20	Skewness	: 2.67
Median value	: 0.5	Kurtosis	: 6.180
Modal Range	: less than 0.5		
Values in modal range	: 978 (81.9 % of total)		

LAC MINERALS LTD.

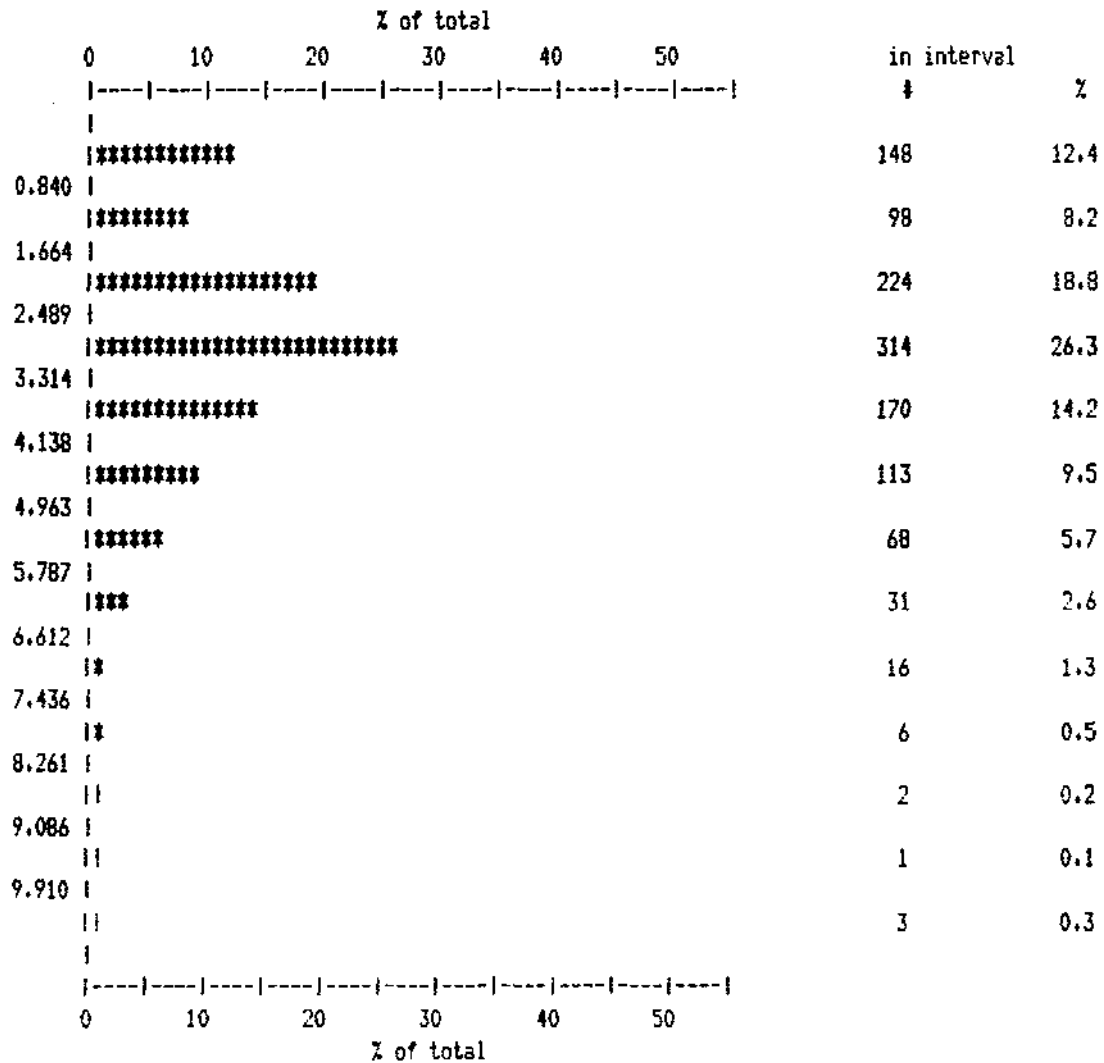
Histogram for Copper (CU) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: 1.13
Number of intervals	: 10	Standard Deviation	: 0.655
Minimum value	: 0.5	Coeff. of variation	: 0.582
Maximum value	: 557	Skewness	: -0.96
Median value	: 21.9	Kurtosis	: 17.450
Modal Range	: greater than 19.5 to less than 41.4		
Values in modal range	: 463 (38.8 % of total)		

LAC MINERALS LTD.

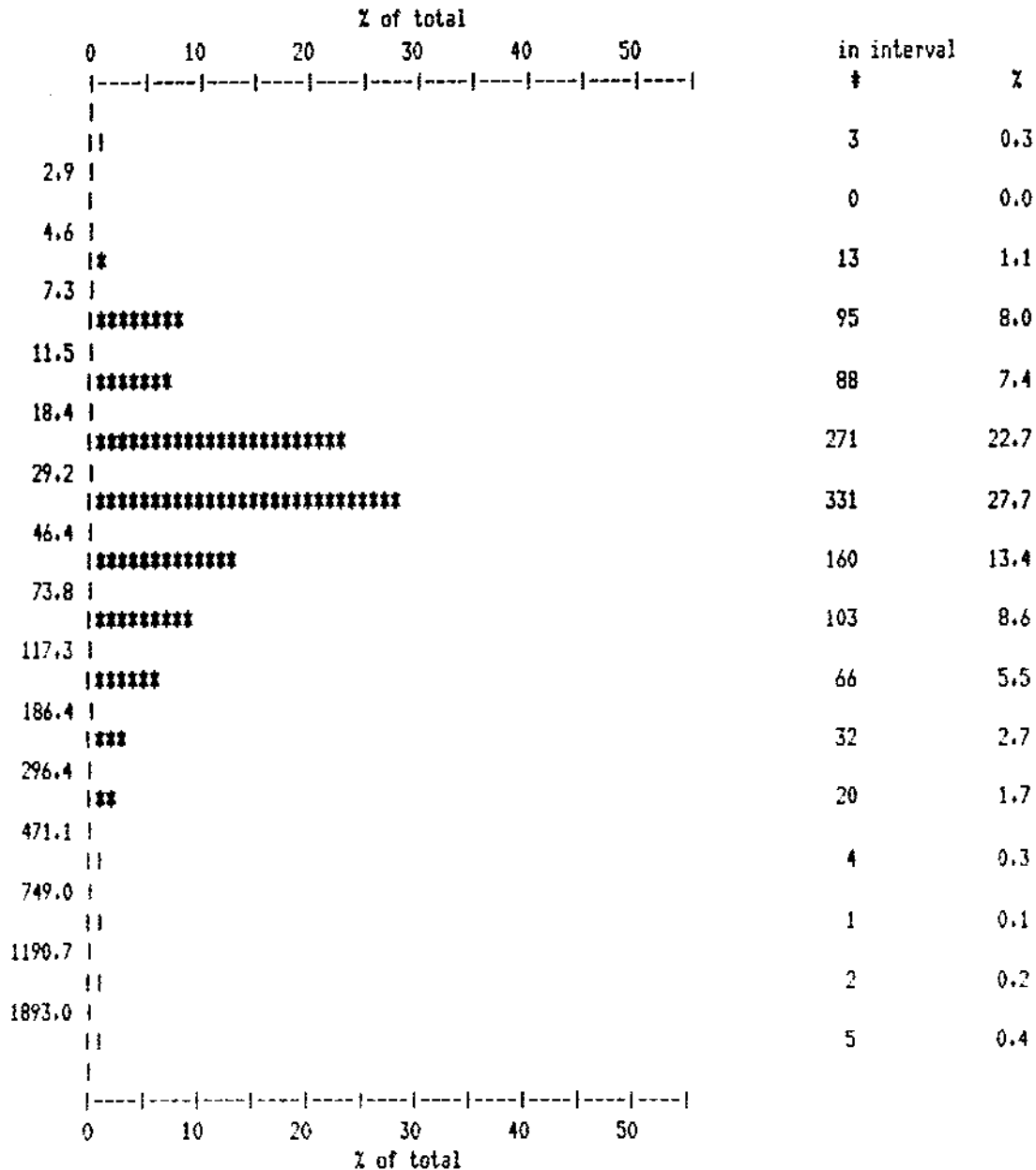
Histogram for Iron (FE) Values in PCT



Summary Statistics			
Number of samples	: 1194	Mean value	: 2.901
Number of intervals	: 13	Standard Deviation	: 1.6491
Minimum value	: 0.03	Coeff. of variation	: 0.568
Maximum value	: 10.00	Skewness	: 0.6025
Median value	: 2.80	Kurtosis	: 20.7792
Modal Range	: greater than 2.489 to less than 3.314		
Values in modal range	: 314 (26.3 % of total)		

LAC MINERALS LTD.

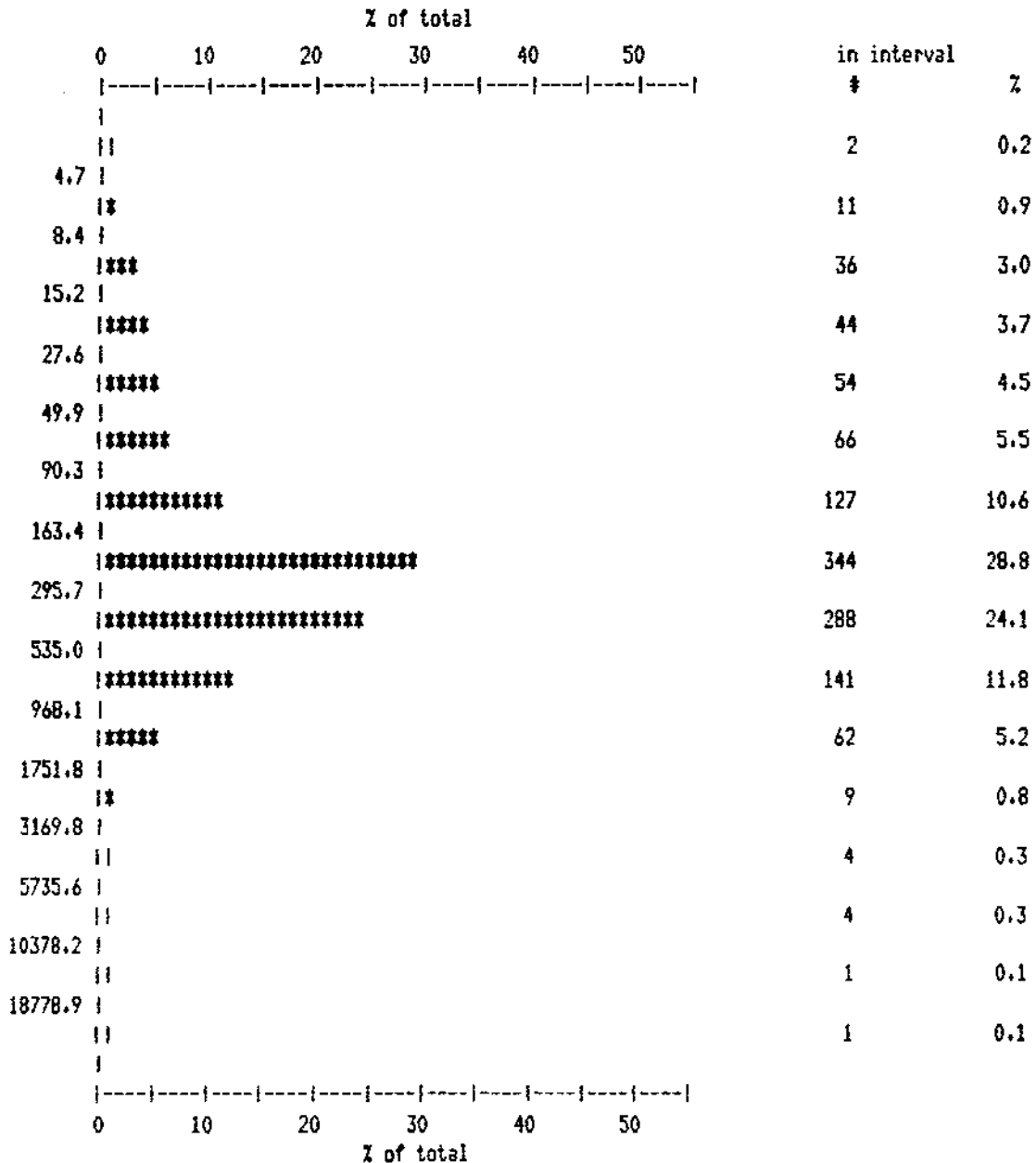
Histogram for Mercury (HG) Values in PPB



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: 1.57
Number of intervals	: 16	Standard Deviation	: 0.403
Minimum value	: 2.5	Coeff. of variation	: 0.257
Maximum value	: 5000	Skewness	: 1.03
Median value	: 30	Kurtosis	: 826.896
Modal Range	: greater than 29.2 to less than 46.4		
Values in modal range	: 331 (27.7 % of total)		

LAC MINERALS LTD.

Histogram for Manganese (MN) Values in PPM

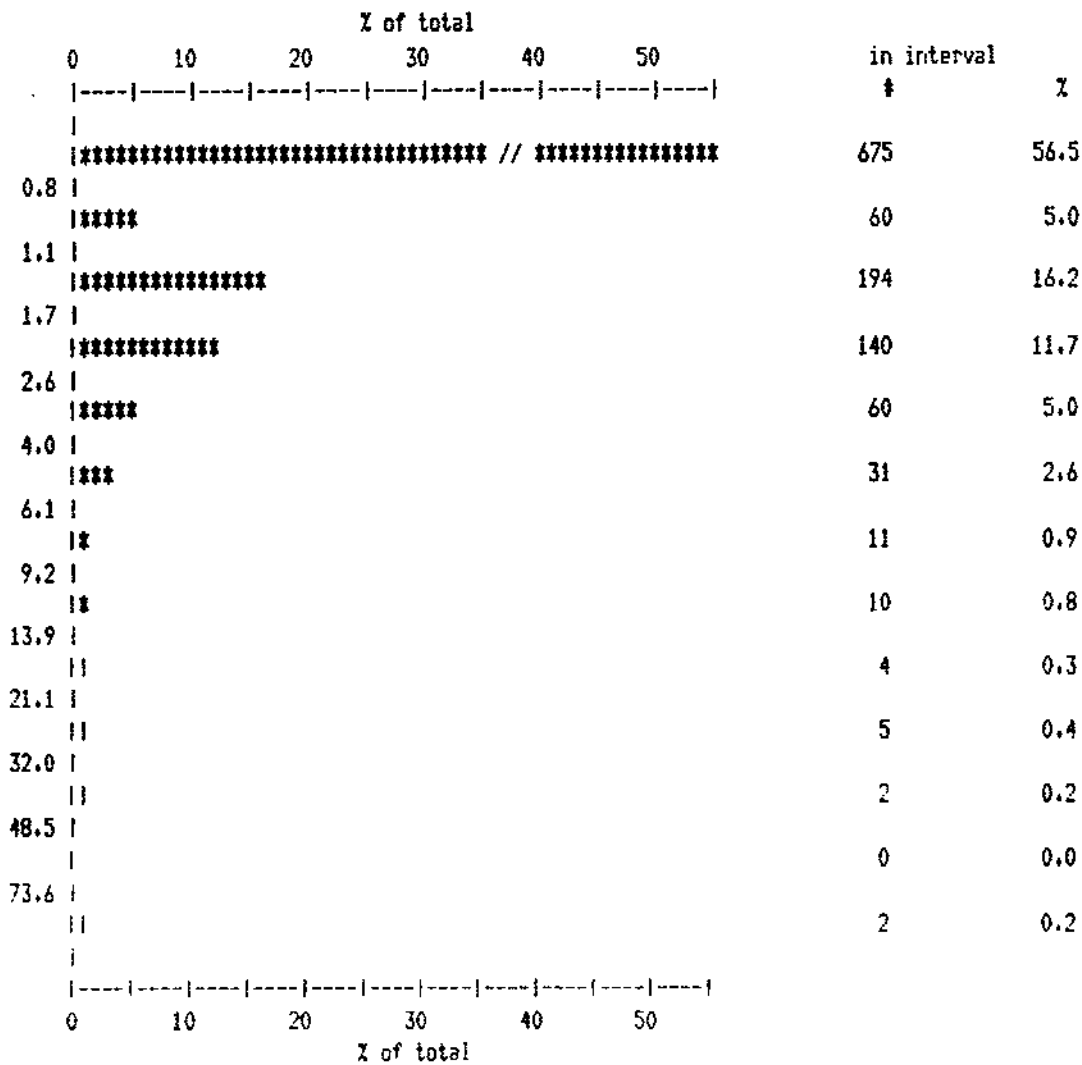


Summary Statistics (Log transformed values)

Number of samples	: 1194	Mean value	: 2.34
Number of intervals	: 16	Standard Deviation	: 0.515
Minimum value	: 3.4	Coeff. of variation	: 0.220
Maximum value	: 20000	Skewness	: -0.67
Median value	: 254.7	Kurtosis	: 1586.847
Modal Range	: greater than 163.4 to less than 295.7		
Values in modal range	: 344 (28.8 % of total)		

LAC MINERALS LTD.

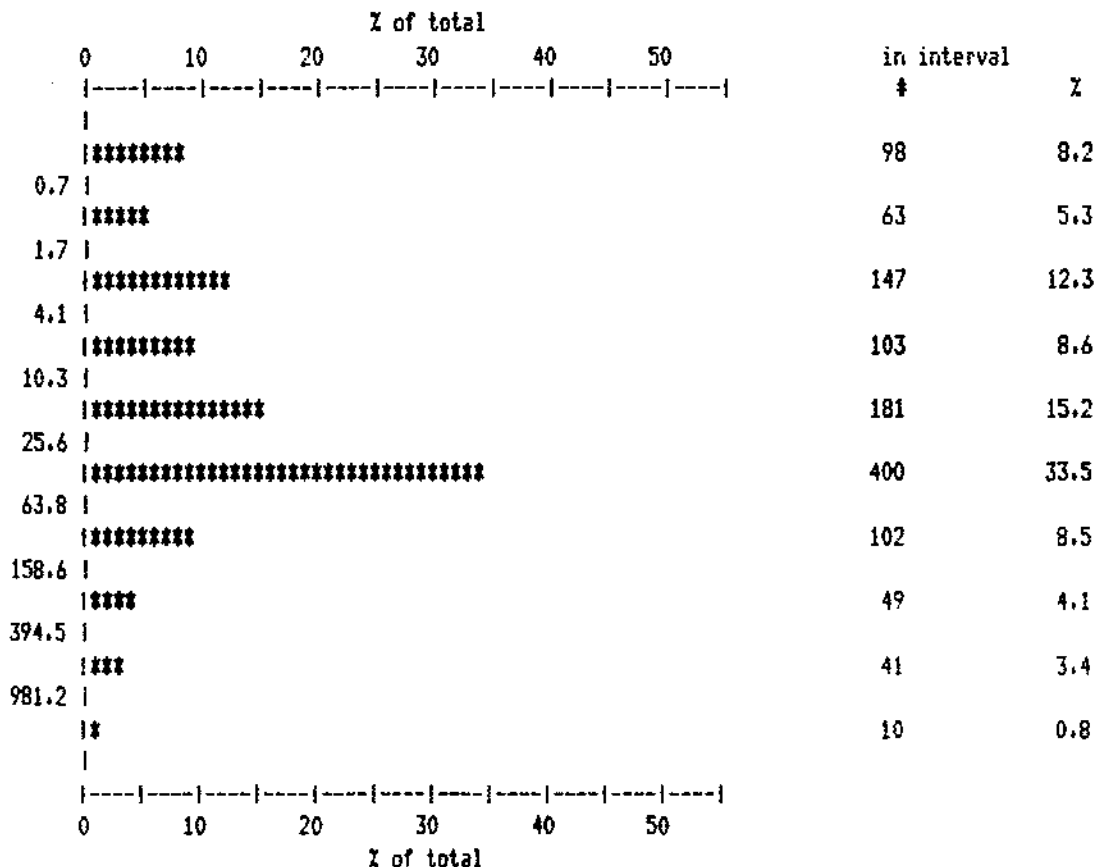
Histogram for Molybdenum (MO) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: -0.03
Number of intervals	: 13	Standard Deviation	: 0.362
Minimum value	: 0.5	Coeff. of variation	: -11.552
Maximum value	: 78	Skewness	: 1.41
Median value	: 0.5	Kurtosis	: 2.338
Modal Range	: less than 0.8		
Values in modal range	: 675 (56.5 % of total)		

LAC MINERALS LTD.

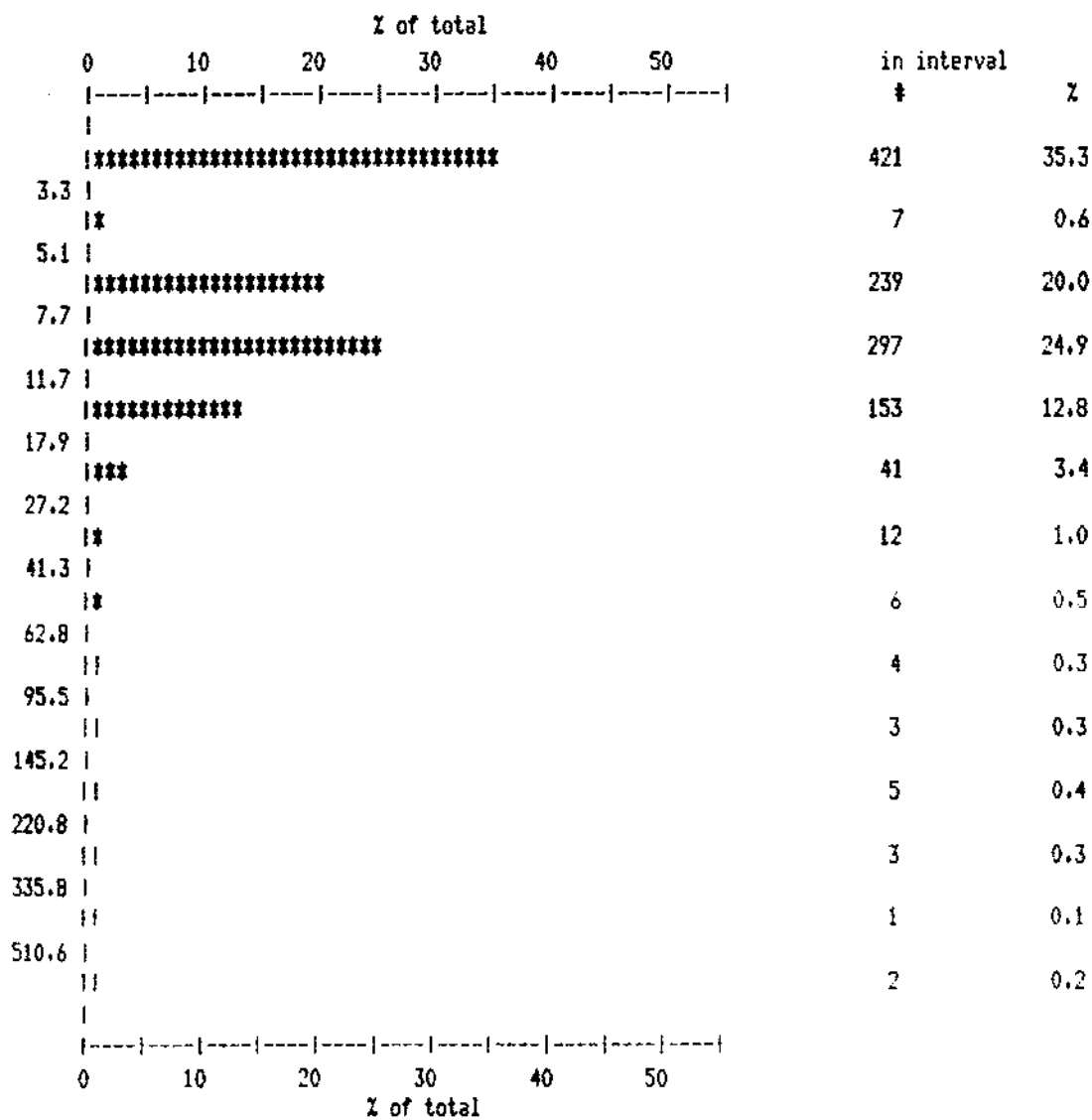
Histogram for Nickel (NI) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: 1.21
Number of intervals	: 10	Standard Deviation	: 0.791
Minimum value	: 0.5	Coeff. of variation	: 0.653
Maximum value	: 2075	Skewness	: -0.19
Median value	: 25.8	Kurtosis	: 7.538
Modal Range	: greater than 25.6 to less than 63.8		
Values in modal range	: 400 (33.5 % of total)		

LAC MINERALS LTD.

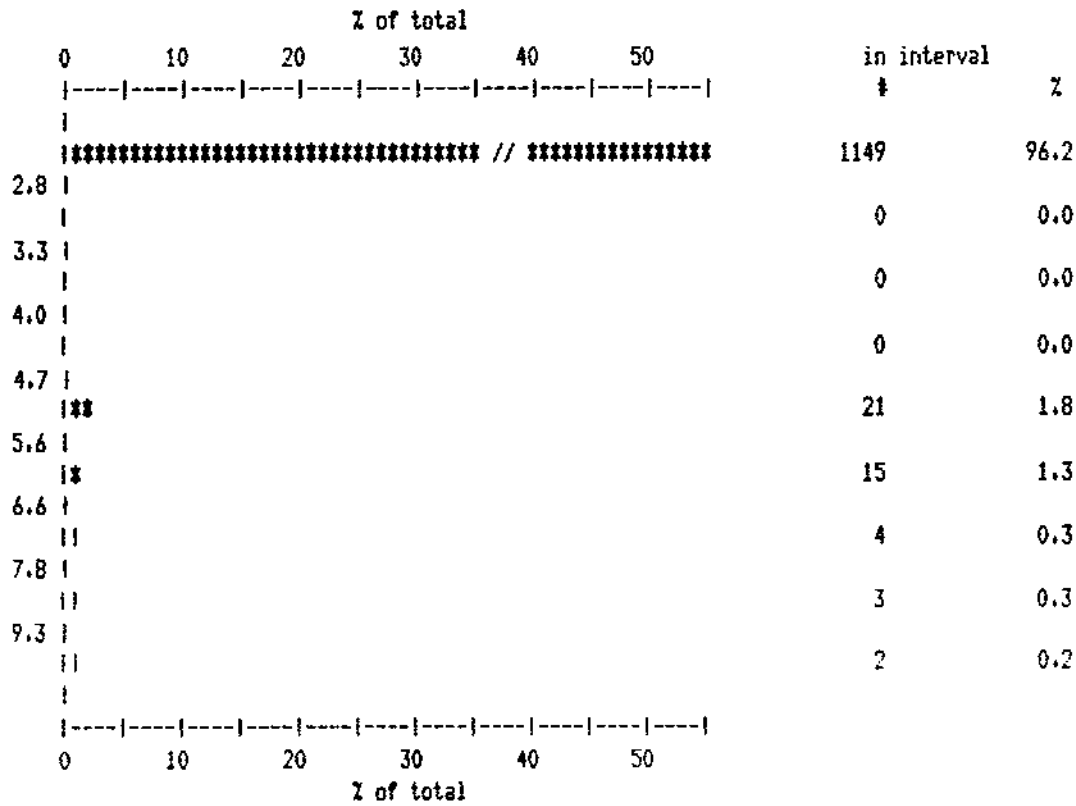
Histogram for Lead (PB) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: 0.80
Number of intervals	: 14	Standard Deviation	: 0.364
Minimum value	: 2.5	Coeff. of variation	: 0.457
Maximum value	: 708	Skewness	: 1.02
Median value	: 6.9	Kurtosis	: 65.992
Modal Range	: less than 3.3		
Values in modal range	: 421 (35.3 % of total)		

LAC MINERALS LTD.

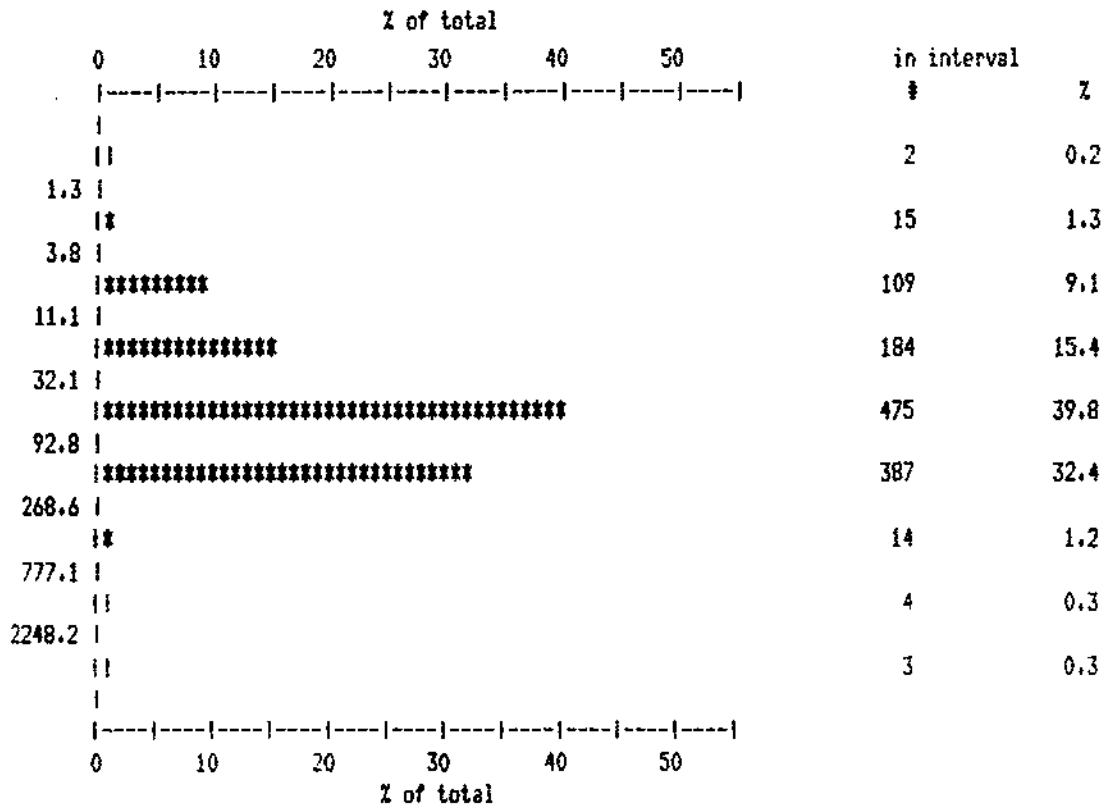
Histogram for Antimony (SB) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1194	Mean value	: 0.41
Number of intervals	: 9	Standard Deviation	: 0.074
Minimum value	: 2.5	Coeff. of variation	: 0.180
Maximum value	: 11	Skewness	: 5.26
Median value	: 2.5	Kurtosis	: 3677.411
Modal Range	: less than 2.8		
Values in modal range	: 1149 (96.2 % of total)		

LAC MINERALS LTD.

Histogram for Zinc (ZN) Values in PPM



Summary Statistics (Log transformed values)			
Number of samples	: 1193	Mean value	: 1.74
Number of intervals	: 9	Standard Deviation	: 0.461
Minimum value	: 0.5	Coeff. of variation	: 0.266
Maximum value	: 3518	Skewness	: -0.71
Median value	: 72.1	Kurtosis	: 719.967
Modal Range	: greater than 32.1 to less than 92.8		
Values in modal range	: 475 (39.8 % of total)		

APPENDIX #3

Itemized Cost Statement Royer 1, 2, 3, Claims

1988 Work

Amex Exploration Services Ltd.:

work between September 12-26, 1988
Job 88-99, invoice submitted October 20, 1988
43 km of grid preparation and soil collection
@ 50m stations @ \$411.08/km \$17,676.44

Bondar Clegg & Company Ltd.:

Invoice V053755, October 21, 1988 \$11,557.10

F.Y. Chong Draughting Services:

Invoice #00197, December 27, 1988 \$ 603.54

R.F. Brown, report writing and data

compilation, December 6-10, 1988
5 days @ \$260/day \$ 1,300.00

TOTAL \$31 137.08



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LAC

Lac Minerals Ltd.
Exploration Division

March 20, 1989

Mr. T.E. Kalnins, P.Eng.
Ministry of Energy, Mines and Petroleum Resources
Parliament Buildings
Rm. 121
525 Superior St.
Victoria, B.C.
V8V 1X4

Dear Mr. Kalnins:

RE: ROYER 1-3 MINERAL CLAIMS, A.R. 18157, File #24500-03-AME

I am returning the upgraded Royer reports. The reports now have a detailed "Costs" document. Maps (Fig. #3,4,5) have been revised to include all analysis not just analysis over one standard deviation. As pointed out in the report, soil sample sites are denoted by grid location (i.e. L4+00N, 18+50E).

I trust the above amendments fulfill the Mineral Act Regulations.

Sincerely,

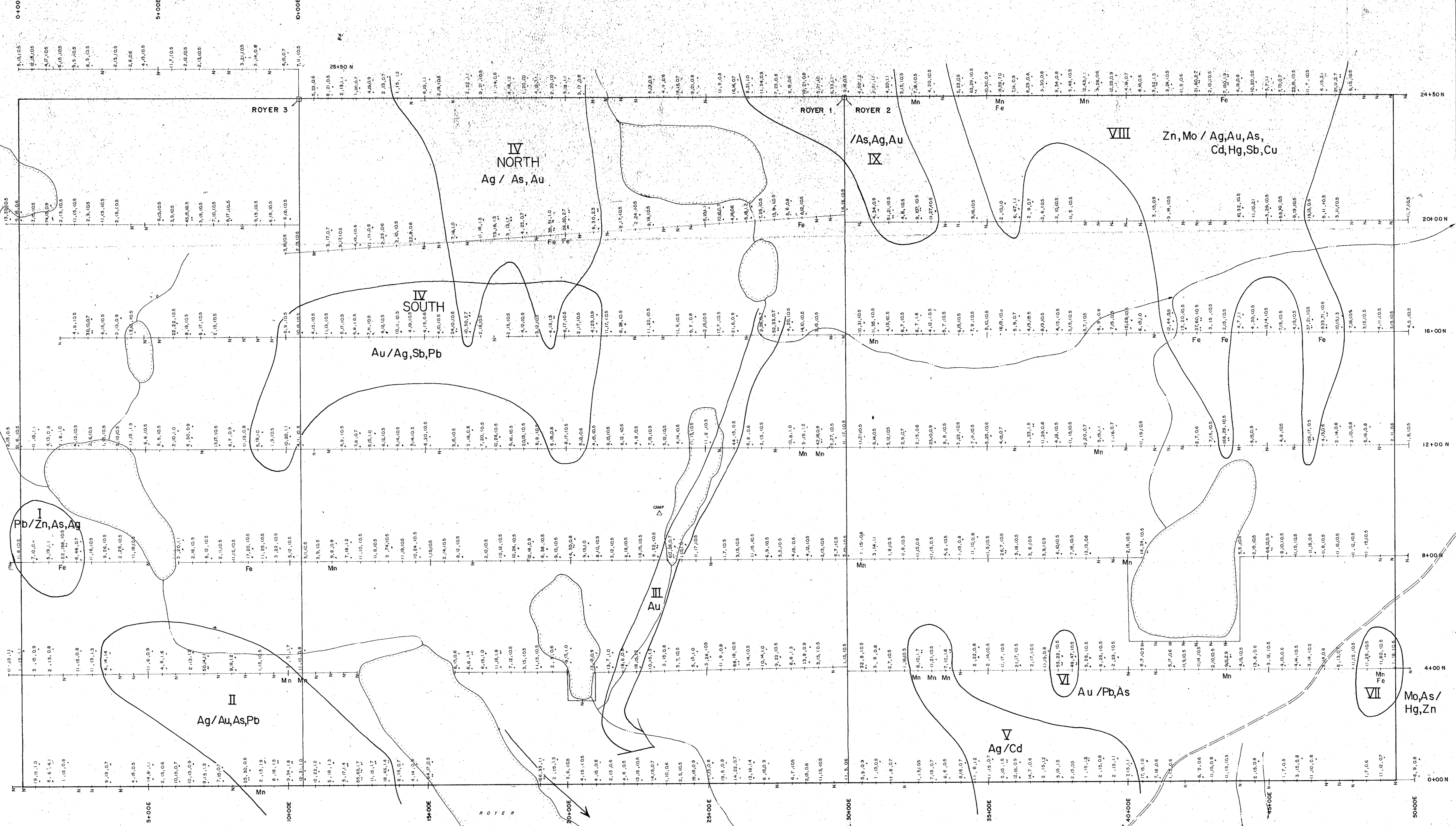
LAC MINERALS LTD.

Robert F. Brown, P.Eng.

RFB/rb
Encs.

1/minstryen

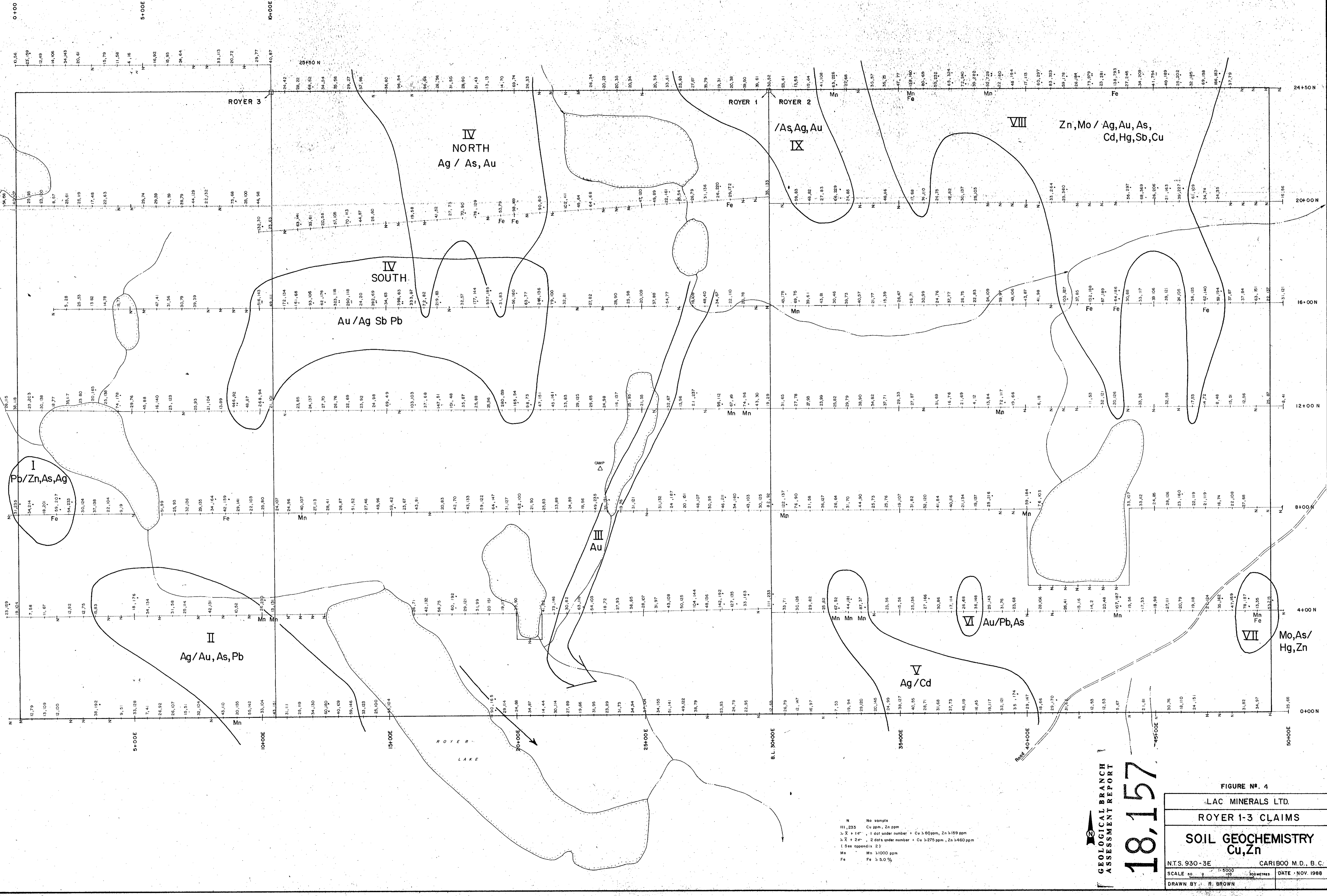
LOG NO	0322	PG. 5
ACT	Date received reports back from amendments.	



N No sample
 G, 23, 11 Au ppb, As ppm, Ag ppm
 > x + 1 dot under number : Au > 4 ppb, As > 20 ppm, Ag > 0.7 ppm
 > x + 2 dot under number : Au > 24 ppb, As > 49 ppm, Ag > 1.4 ppm
 (See appendix 2)
 Mn Mn > 1000 ppm
 Fe Fe > 5.0%

GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,157

FIGURE No. 3
LAC MINERALS LTD.
ROYER 1-3 CLAIMS
SOIL GEOCHEMISTRY
Au, As, Ag
 N.T.S. 930-3E CARIBOO M.D., B.C.
 SCALE 1:5000 DATE NOV. 1988
 DRAWN BY: R. BROWN

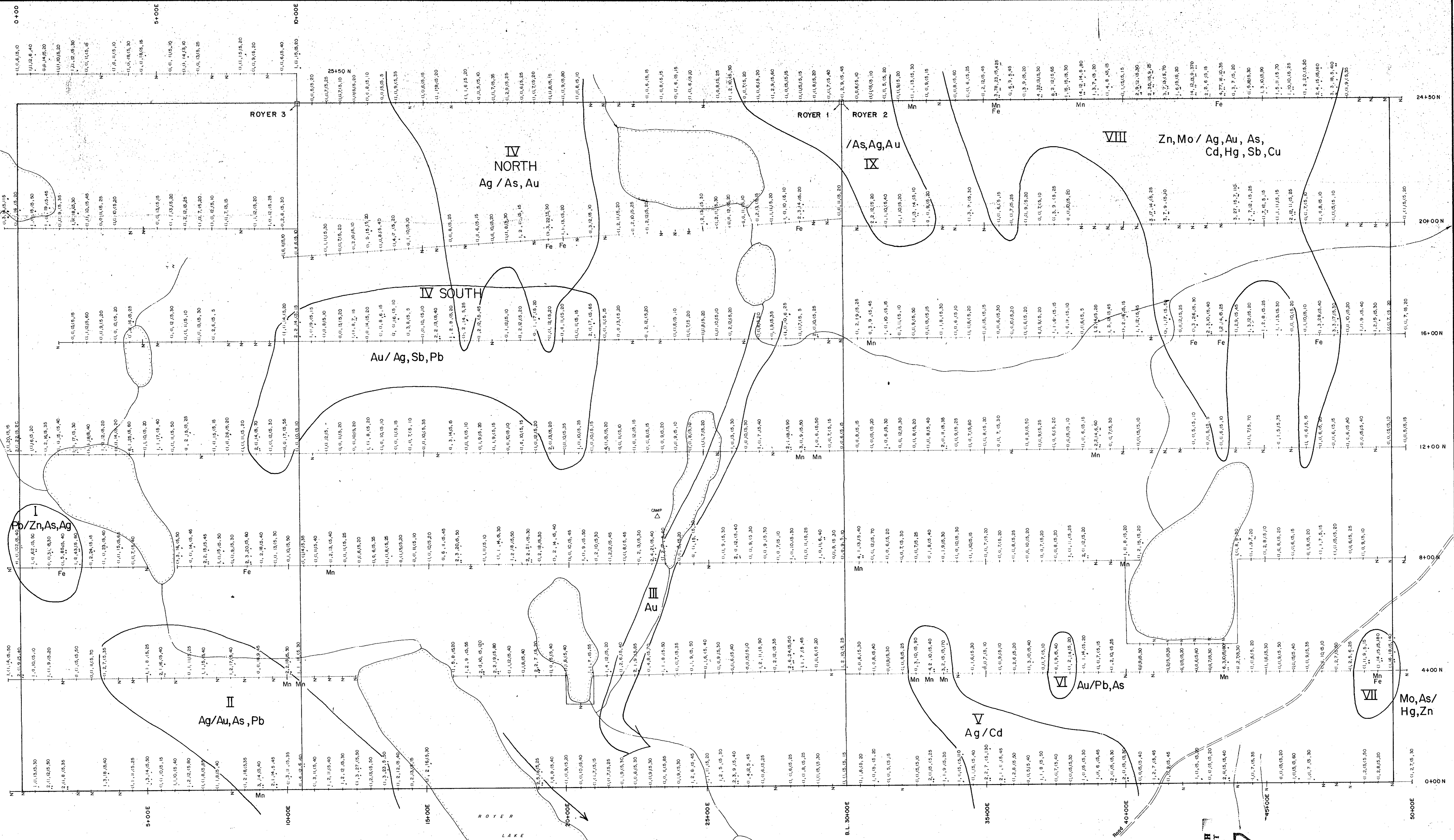


18,157

**GEOLOGICAL BRANCH
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FIGURE No. 4	
LAC MINERALS LTD.	
ROYER 1-3 CLAIMS	
SOIL GEOCHEMISTRY	
Cu, Zn	
N.T.S. 930-3E	CARIBOO M.D., B.C.
SCALE 1:5000	DATE NOV. 1988
DRAWN BY: R. BROWN	

N No sample
 III, 233 Cu ppm, Zn ppm
 X + 100 1 dot under number = Cu > 80ppm, Zn > 159 ppm
 X + 200 2 dots under number = Cu > 275 ppm, Zn > 460 ppm
 (See appendix 2)
 Mn Mn > 1000 ppm
 Fe Fe > 5.0%



N No sample
 3, 5, 16, 6, 100 Cd ppm, Mo ppm, Pb ppm, Sb ppm, Hg ppb
 > X + 1 1 dot under number = Cd > 1 ppm, Mo > 3 ppm, Pb > 10 ppm, Sb > 5 ppm, Hg > 94 ppb
 > X + 2 2 dots under number = Cd > 2 ppm, Mo > 6 ppm, Pb > 34 ppm, Sb > 5 ppm, Hg > 238 ppb
 (See appendix 2)
 Mn Mn > 1000 ppm
 Fe Fe > 5%

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

18,157

FIGURE NO. 5
 LAC MINERALS LTD.
 ROYER 1-3 CLAIMS
 SOIL GEOCHEMISTRY
 Cd, Mo, Pb, Sb, Hg
 N.T.S. 930-3E CARIBOO M.D., B.C.
 SCALE 1" = 5000' 190' 200 METRES DATE NOV. 1988
 DRAWN BY: R. BROWN