

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 89.05.27

ASSESSMENT REPORT 17718

MINING DIVISION: Trail Creek

PROPERTY: Vermont  
LOCATION: LAT 49 00 27 LONG 117 53 33  
UTM 11 5428454 434728  
NTS 082F04W

CLAIM(S): Vermont 1-3  
OPERATOR(S): First Manhattan Res.  
AUTHOR(S): Burton, A.  
REPORT YEAR: 1988, 69 Pages

COMMODITIES  
SEARCHED FOR: Gold, Silver, Copper

GEOLOGICAL  
SUMMARY: Lower Jurassic Elise Formation and Cretaceous Sophie Mountain Formation rocks are intruded by Tertiary Coryell Intrusions and minor porphyries. Gold-bearing veins cut Sophie Mountain Formation conglomerates and Elise Formation rocks.

WORK  
DONE: Geophysical, Geochemical  
EMGR 31.3 km; VLF  
Map(s) - 6; Scale(s) - 1:5000  
LINE 40.0 km  
MAGG 35.0 km  
Map(s) - 1; Scale(s) - 1:5000  
SOIL 1576 sample(s); ME  
Map(s) - 7; Scale(s) - 1:5000  
TOPO 375.0 ha  
Map(s) - 1; Scale(s) - 1:5000

**AMENDED  
GEOLOGICAL, GEOPHYSICAL AND GEOCHEMICAL  
ASSESSMENT REPORT**

on the

**VERMONT #1, #2 AND #3 MINERAL CLAIMS**  
Trail Creek Mining Division, B.C.

N.T.S. 82F/4W  
Longitude 117° 54'W  
Latitude 49° 03'N

for

**FIRST MANHATTAN RESOURCES CORP.,**  
608 - 475 Howe Street,  
Vancouver, B.C. V6C 2B3

by

**ALEX BURTON, P. Eng.,**  
Burton Consulting Inc.,  
901 - 626 West Pender Street,  
Vancouver, B.C. V6B 1V9

**AUGUST, 1988**  
**AMENDED JANUARY 18, 1989**

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LOG NO: 0120

RD. 1

LOG# 0830

ACTION: Date received report  
back from amendments.

ACTION

FILE NO:

FILE NO:

GEOLOGICAL, GEOPHYSICAL, AND GEOCHEMICAL  
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FIRST MANHATTAN RESOURCES CORP.  
605 - 475 Howe Street  
Vancouver, B.C. V6C 2B3

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

by

ALEX BURTON, P. Eng.,  
Burton Consulting Inc.,  
901 - 626 West Pender Street,  
Vancouver, B.C. V6B 1V9

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AUGUST, 1988

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**CERTIFICATE**

Assay Certificate: 88-2584 p. 1

Geochemical Analysis Certificate: 87-5643 pgs. 1 - 23

Geochemical Analysis Certificate: 87-6013 pgs. 1 - 10

Geochemical Analysis Certificate: 87-6146 pgs. 1 - 11

Cost Statement - First Manhattan Resources Corp.

**MAPS:** LOCATION (following page 1)  
          CLAIM ( " " 2)  
          GEOLOGY ( " " 5)

**MAPS IN POCKET:**

TOPOGRAPHY

TOTAL MAGNETIC FIELD STRENGTH

VLF EM (Hawaii)

VLF EM In-Phase (Hawaii)

VLF EM (Annapolis)

VLF EM In-Phase (Annapolis)

VLF EM (Seattle)

VLF EM In-Phase (Seattle)

Soil Geochemistry, Gold

Soil Geochemistry, Silver

Soil Geochemistry, Lead

Soil Geochemistry, Nickel

Soil Geochemistry, Cobalt

Soil Geochemistry, Chromium

Soil Geochemistry, Zinc

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## INTRODUCTION

During the fall, winter and spring of 1987-1988 geophysical, geochemical and geological surveys were run over the Vermont #1, #2 and #3 Mineral Claims in the Trail Creek Mining Division.

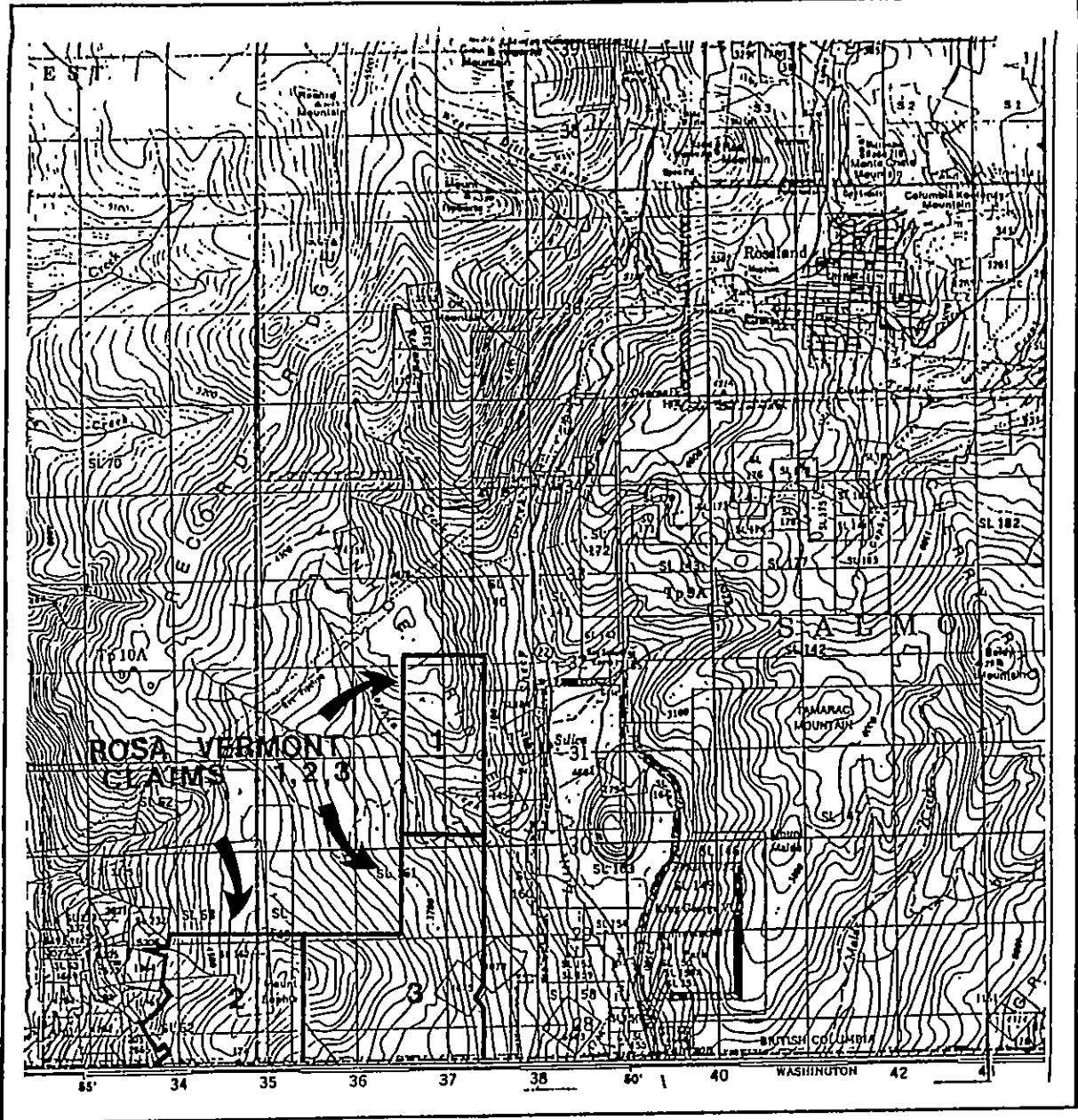
In a broad sense the geophysics outlined the major rock units with the magnetics, and picked up linear anomalies with the electromagnetic survey. The soil geochemistry showed the major rock units and also showed anomalies of precious metals that relate to known mineralization. The combination of the geology, geophysics and geochemistry outlined promising areas for further exploration.

## SUMMARY STATEMENT OF WORK

The property was first prospected by a pair of prospectors who looked for old workings. Next, two N-S base lines were run and east-west cross lines 2,500 metres long were cut, with stations marked at 25 metre intervals. A crew then took 1,576 geochemical soil samples and at the same time collected 396 rock chips for later examination.

Magnetometer readings were taken at 25 metre intervals for 35 line-kilometres. VLF readings were taken at 25 metre intervals along 31.25 line-kilometres. At each station readings were taken from the Hawaii, Seattle and Annapolis transmitters. In-Phase, Quadrature and Fraser Filter

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0 1000 3000Metres

A horizontal scale bar with three segments. The first segment is labeled '0', the second '1000', and the third '3000Metres'.

BDS/km

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# LOCATION MAP

ROSA VERMONT CLAIM GROUP

SCALE: NOTED	DATE: AUG 88	MAP:	N.T.S. 82/F4
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results were plotted.

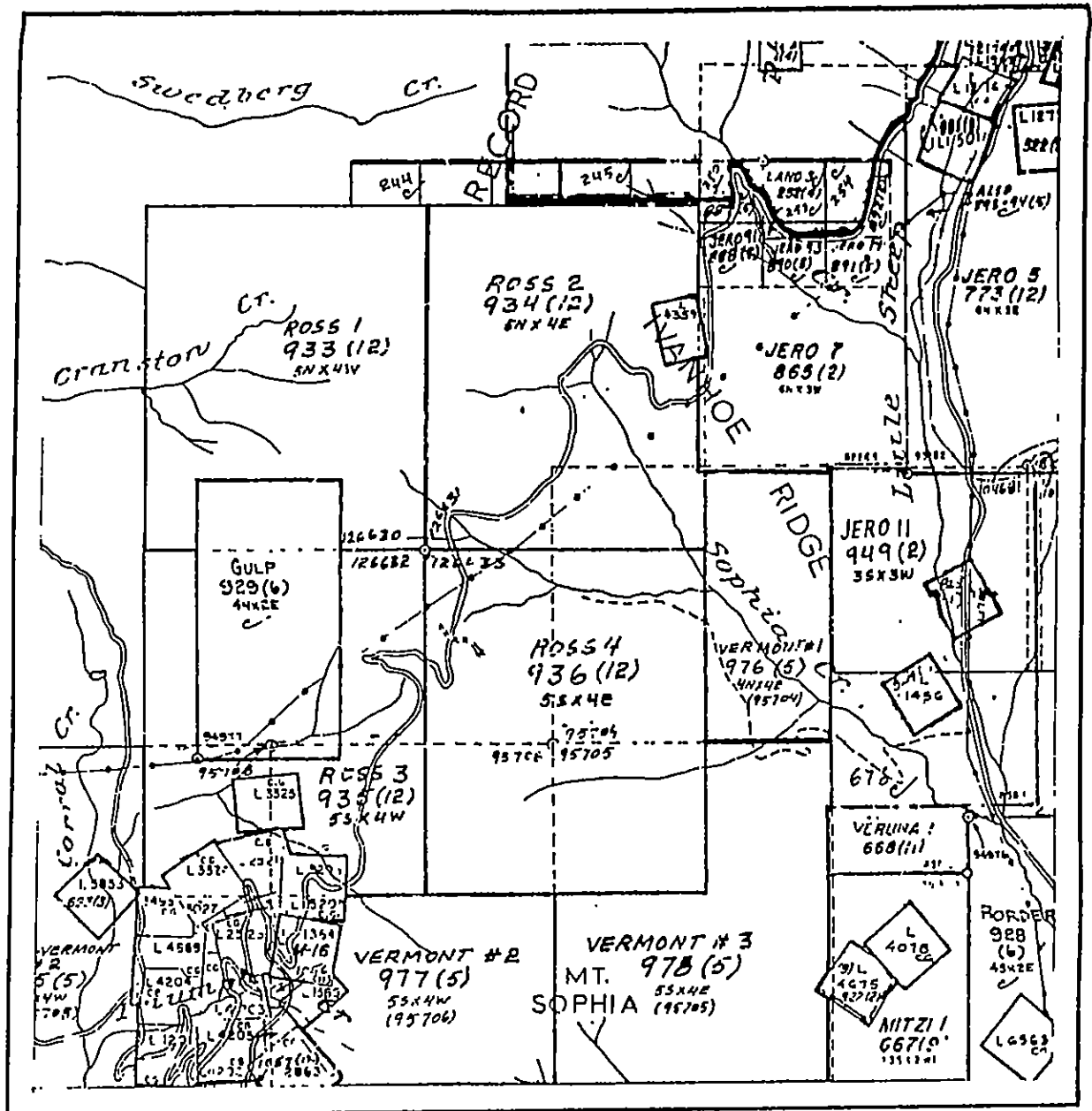
A geology map was compiled from government maps to aid in the geophysical and geochemical interpretation. Showings and workings located by the author were plotted on the geology map. Cost statements were prepared by First Manhattan Resources Corp. and supplied to Burton Consulting Inc.

#### PROPERTY

The property consists of three metric mineral claims, the Vermont #1, #2 and #3 with sequential Record Numbers of 976, 977 and 978. The claims were located by Mr. Lawrence Lazeo and recorded on May 29, 1987. Title to the claims is held by Mr. Norman McCartney who has optioned them to First Manhattan Resources Corp. Some posts on the north boundary of the Vermont #1 and along the west boundary of the Vermont #2 were seen by the writer in the field. The posts appeared to be where they are plotted on the government Claim Map. The claims overlie old crown grants which do not exist any more and also overlie existing crown grants along the west boundary which do remove about four units from the west boundary of the Vermont #2 Claim. Other claims along the north boundary have precedence and remove some area from the north of Vermont #2 and the west side of Vermont #1.

Work covered in this report was filed. On acceptance of the assessment work the claims will be valid till May 29, 1992.

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# CLAIM MAP

ROSA VERMONT CLAIM GROUP

SCALE: 1:50,000	DATE: AUG 88	MAP: 2	N.T.S. 82/F4
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DESCRIPTION OF PROPERTY

The claims are in the Mōnashee Mountains southwest of the town of Rossland on Mount Sophia between Little Sheep Creek on the east and Big Sheep Creek on the west. The claims extend north from the border with the United States of America. The claims consist of:

Vermont #1	Record No. 976	16 Units
Vermont #2	Record No. 977	20 Units
Vermont #3	Record No. 978	20 Units

Access is mainly by side roads off the old Cascades Highway. This road is not kept open all the way now during heavy snowfalls in the winter. The side roads are mainly old logging roads and have become partially overgrown, but could be cleared and rehabilitated easily. There is some access from west of Little Sheep Creek by logging roads and some alternate access on old logging and mine roads from the American side of the border.

The claims have been selectively logged in the past and are now covered in grown timber with moderate underbrush in most places.

The area has been glaciated with glacial grooves and striations on bedrock visible on the upper slopes of Mount Sophia. In most parts of the claims glacial tills are thin or not present except at lower elevations. In places surface weathering of mineralized outcrops is overlain by glacial materials.

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At Rossland and Trail all the services and accommodations needed are available.

### HISTORY

Rossland is a famous old gold-copper mining camp whose mines helped develop the Kootenays and Trail. Prospectors spread out from the Rossland Camp westwards and found many showings on the slopes of Mount Sophia, some of which were explored and registered as Crown Granted Mineral Claims. The Velvet Mine on the lower western slopes of Mount Sophia was the best known. It produced a gold-rich copper ore. There remains an almost solid block of valid Crown Granted Mineral Claims between the western side of the Vermont #2 Claim and the Velvet Mine.

Within the area of the three Vermont Claims there are at least 11 old cancelled Crown Granted Mineral Claims. Exact positions await detailed surveying and mapping, but the list includes:

Ruth	Lot 3229
Ruth Fr.	Lot 3231
Golden Circle	Lot 4709
Esther	Lot 3230
Lisp	Lot 4693
Gertrude Emily	Lot 2878
Ethel Mary	Lot 2877
The Brothers	Lot 3602
Jungle Fr.	Lot 3603
Canada	Lot 4358
Swan	Lot 4357

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There are another 5 to 10 cancelled Crown Grant Claims near the eastern and western borders of the Vermont Claims.

Known sulphide mineralization as seen by the author and carrying mainly of gold, occurs on the west side of the Vermont #2, in the Eva Lot 4202, Douglas Lot 2865, Eva Fr. Lot 4205, Victory Lot 1365 and Triumph Lot 1364. Most of these zones strike NW-SE and strike into the Vermont #2 Claim.

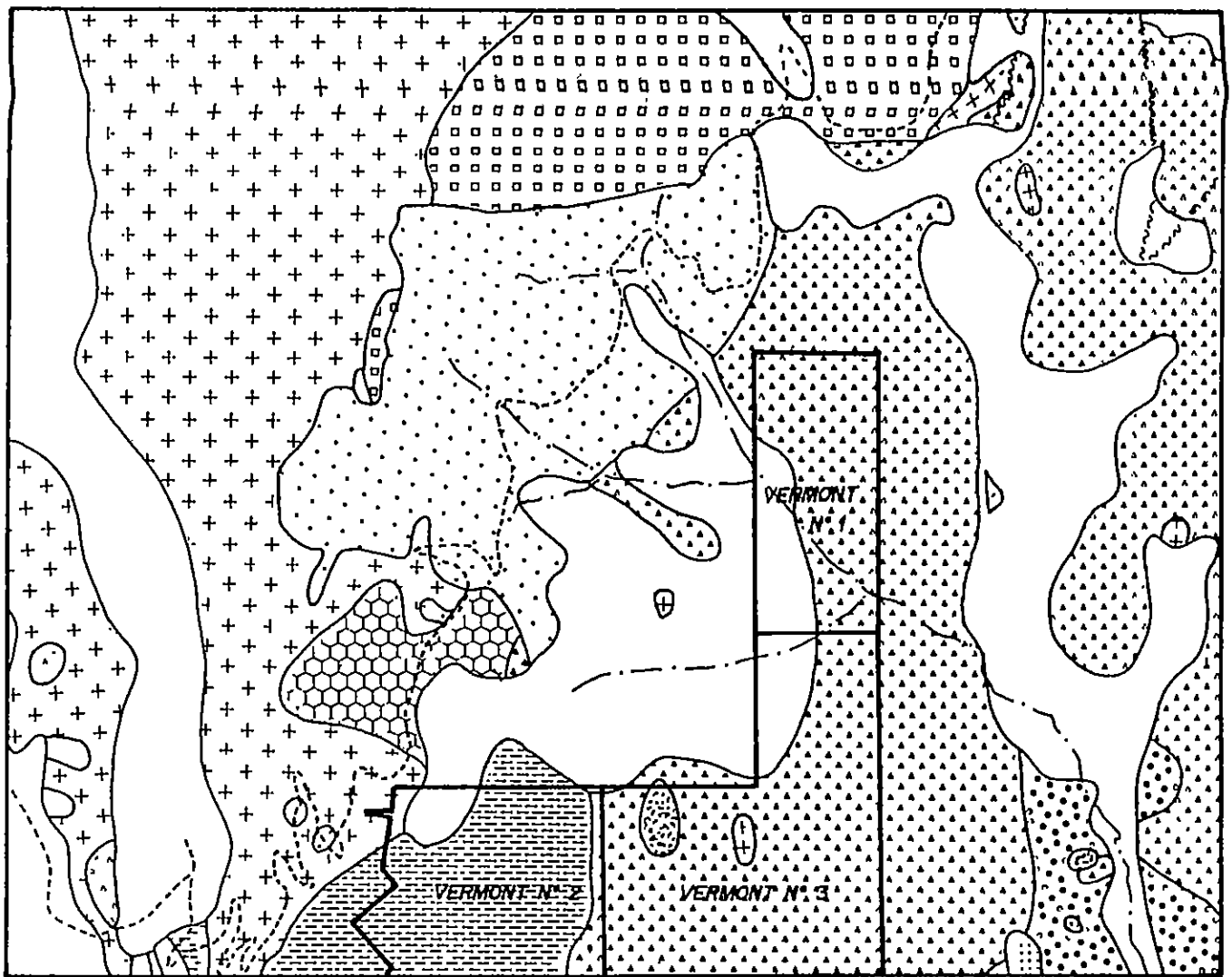
Copper mineralization was also seen on the western boundary of the Vermont #2 in volcanics and ultrabasics.

The eastern and northern portions of the Vermont Claims have not yet been mapped or surveyed in detail.

#### GEOLOGY

The Rossland Camp has had much geological work by many prominent geologists. The most recent publications on the geology are Paper 79 - 26 published in 1982 by the Geological Survey of Canada with map at a scale of 1:50,000, and Bulletin 74 published in 1984 by the B.C. Ministry of Mines with map at a scale of 1:12,000. The map in Bulletin 74 is more detailed, but reaches only to the northern portion of the claims, while the G.S.C. map covers all the claims.

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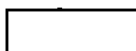
MANHATTEN RESOURCES

L E G E N D

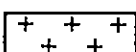
ROSA VERMONT CLAIM GROUP

GEOLOGY MAP

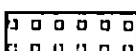
QUATERNARY

 Unconsolidated sediments: fill, sand, gravel, silt

TERTIARY

 Coryell intrusions: syenite, quartz monzonite, minor granite, pulaskite, & biotite-augite monzonite

 Sheppard intrusion: granite, syenite


 Marron formation: augite and/or hornblende and/or biotite andesite, trachyandesite

 Map unit T1 (minor intrusion): hornblende-feldspar and hornblende porphyries

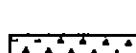
CARBONIFEROUS (?)

 Ultramafic intrusion: serpentinite, some dunite

CRETACEOUS

 Sophie Mountain Formation: coarse conglomerate with minor interbeds of siltstone and arenaceous argillite


JURASSIC

 Elise Formation: flow breccia, massive andesites and basalts, agglomerate, tuff, breccia, black, laminated siltstone (lJes) augite porphyry (lJel)

JURASSIC AND/OR CRETACEOUS

 Map unit Kap: quartz-feldspar porphyry

CARBONIFEROUS (?)

 Mount Roberts Formation: black siltstone and argillaceous quartzite, slate, greywacke, chert pebble conglomerate, lava, limestone (PMri), paragneiss (PMrgn)

0 1000 2000 3000 M.

SCALE 1: 50 000

In general terms the two maps agree. There is a Paleozoic sequence of sediments and ultramafics that are generally thought to be Carboniferous (Pennsylvanian) in age followed by a sequence of Mesozoic (Lower and Middle Jurassic) volcanics and associated sediments. These two sequences are followed by the Jurassic or Cretaceous Intrusions. There is then an Upper Cretaceous conglomerate called the Mount Sophia Formation which occurs largely on the southern part of the claims. Eocene volcanics and sediments along with various intrusions complete the geological section. Glaciation has covered portions of the area with unconsolidated sediments.

Significant differences between the two maps occur in the assigning of sediments to either the Carboniferous Mount Roberts Formation or the sedimentary sections of the Lower and Middle Jurassic Rossland Group. The assignment to the correct age grouping is difficult because of similarity of rock types and the lack of identifying fossils.

Rock chips were collected during the soil sample collection. Where outcrop was seen, samples were chipped from the bedrock. In most cases no outcrop was seen so the chips were collected from the soil sample pit.

The 396 rock chips were examined by a geologist later in

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town and an attempt was made to relate the chips to bedrock geology and to note any associated mineralization. In general the areas of Coryell intrusive rocks and the Mount Sophia conglomerates were outlined well by the chips, but the chips were spread out further to the east over areas underlain by the Elise Formation. This is probably due to the generally easterly trend to the glacial movement of material. Surprisingly, the plot of chips with sulphides matched the areas of known mineralization and the geochemical anomalies in a rough manner. This technique may have value in overburden covered areas, but was not accurate enough to show in a finished map. Only showings and workings located by the author are plotted on the Topography Map, which was compiled with government geology to aid in the geochemical interpretation. Individual outcrops were not mapped.

#### ECONOMIC GEOLOGY

Mines in the Rossland Group produced gold and copper. The most famous of these were the Le Roi, Centre Star, War Eagle, and Josie. Red Mountain Mines Limited produced molybdenum from 1966 and 1972. These mines are north and east of the claims. The Velvet Mine which also produced significant gold and copper is west of the claims. Some 50 other mines within the camp have had some recorded production.

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There are three main types of mineral deposits in the camp. The copper-gold veins with minor lead and zinc, the gold veins, and the molybdenum deposits. The mines mentioned in the previous paragraph produced the great bulk of ore from the copper-gold veins.

The gold veins are generally southwest of Red Mountain cutting volcanics and sediments. Their spectacular shoots of high grade mineralization continue to attract attention.

Except for the molybdenum deposits, the veins occupy fissures or fractures related to regional fracture systems or subordinate to major faults.

On the Vermont Claims gold veins occupy northwest-trending fissures that are sub-parallel to Coryell dykes intruding Mount Sophia conglomerates. Adits and pits on the Victory Lot 1365 continue southeast onto the Vermont #2 and relate to gold in soil geochemical anomalies that extend even further southeast into the Vermont #2 Claim. These workings are plotted on the Topography Map.

Copper mineralization was seen close to the western boundary of the Vermont #2.

The eastern portion of the Vermont Claims, which includes the reverted crown grant mineral claims listed in the

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history section, have not yet been prospected, the number of showings on them is not known.

#### SURVEY GRID

Compass and hip chain were used to run a metric north-south base line along the western boundary of the Vermont #2 Claim. This base line was called 1250 West. Another north-south base line was run at zero west. East-west cross-lines were run at 100 metre spacings with stations every 25 metres. The grid covered the ground controlled by the Vermont #2 and the western half of the ground controlled by the Vermont #3. No grid or other work was done on the Vermont #1.

Line 1500 South roughly coincides with the American border. The most northerly line is zero south. Lines go from the base line at 1250 West to zero East and on to 1250 East. Lines were blazed and marked with flagging tape.

#### GEOPHYSICS

##### Magnetometer Survey

Magnetometer readings were taken in the field by technicians using a Scintrex MP-3 Proton magnetometer with another as a base station in Rossland. Readings were taken at each 25 metre station on east-west lines 100 metres apart.

After adjustment for any diurnal variation, readings were

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plotted to the nearest gamma or tenth of a gamma. The base station was assumed at 56,500 gammas, contours were at 200 gammas.

Values ranged from a low of 125 to a high of 2436.6 gammas. Most readings are within a couple hundred gammas from the 1,000 gamma contour line, which is the most common. The 1,000 gamma contour is only rarely exceeded by 4 or 5 contour lines (800 to 1,000 gammas) and then mainly by single reading anomalies.

Similarly the readings are seldom lower than the 1,000 gamma contour line by more than 1 or 2 contour lines (200 to 400 gammas).

This pattern suggests a magnetically uniform survey area with individual sharp variations. The sharp variations may be due to magnetite in the ultrabasics, whether in bedrock or glacial material.

The grid is 25 metres wide in an east-west direction and 100 metres long in a north-south direction, so tends to emphasize north-south contour directions. More contour lines run north-south than any other direction. There are some noticeable variations from this trend. The northwestern portion of the survey has an area that is three contour intervals above the common 1,000 gamma contour.

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This northwest portion of the survey essentially coincides with the eastern edge of the Coryell intrusive rocks shown on the geological maps.

The southwestern part of the survey with 1,000 or lower gamma readings down to 700 or 800 gammas coincides with the Mount Sophia conglomerate. This conglomerate extends easterly to about line 450 east, when the geology from the government maps are plotted on the 1:5,000 topographic scale base map. When the magnetic readings are compared with the geology it looks as though the Mount Sophia conglomerate extends 200 metres further east to about 650 East on the grid where a different magnetic pattern matches the plotted position of the Elise Formation, which here consists of andesitic to basaltic volcanics with interbedded siltstones. Magnetics over the Elise have a background in the 1,000 to 1,400 gamma range with sharp peaks from 2,000 to 2,400 gammas.

An area mapped as hornblende feldspar porphyry intrusive matches a flat area of magnetics in the 700 to 900 gamma range.

The magnetics mirror the bedrock geology by outlining the Mount Sophia conglomerates, the Coryell intrusives, the Elise Formation and the prophyry. The ultrabasic bodies known to the northwest did not show up.

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### Electromagnetic Survey (VLF)

A Scintrex VLF 3 instrument was used to take very low frequency electromagnetic readings at each station in conjunction with the magnetic readings. At each station readings were taken using the Annapolis, Hawaii and Seattle transmissions. Readings were plotted as unfiltered in-phase and as quadrature readings. Fraser filtered in-phase readings were plotted separately.

No major structures showed up on either the unfiltered or the filtered readings. The southeastern quadrant of the survey area showed greater amplitudes in the Fraser filtered in-phase readings.

It is possible that with detailed work on the property some of the crossovers may relate to the known northwest faulting direction or other detailed features.

### ASSAYS

Grab samples taken by Prospector Mr. Mel Pardek on the property and from adjacent showings are listed in Acme Analytical Laboratories Ltd., Certificate No. 88-2584. Samples D35612,14,15,20,21 and 24 were from showings on the Vermont Claims. Samples D35610,13,16,19 and 25 were from Mount Sophia conglomerates. The remainder of the samples were from adjacent showings.

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The conglomerate contains minor amounts of silver and gold. The showings on the Vermont Claims contain copper, lead, zinc, silver and gold in significant amounts.

#### GEOCHEMISTRY

Soil samples were collected at each station as the geophysical readings were taken. Samples were taken by digging below the snow at each 25 metre station on lines 100 metres apart. Generally, soil was collected from below the organic layer in the shallow partially developed soil. On the upper slopes soils were shallow, in the order of a few centimetres lying on fresh bedrock. Areas of deeper soils were on the lower slopes where soil thicknesses would reach a metre or two. Thicker soils usually occur in deeper stream drainages or are glacial material. In one area, transported glacial material was seen lying unconformably above a weathered and oxidized sulphide zone.

In spite of this when the -80 mesh sieved portion of the soil was geochemically analyzed there were some significant relationships to bedrock mineralization.

Gold in the -80 mesh part of the soil showed a strong correlation to known gold veins in the western portion of the soil grid. This is centered on the Ruth Lot 3229, an abandoned Crown Grant within the Vermont #2 Mineral Claim.

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The gold (from 20 to >100 ppb) anomaly was confirmed by a good lead anomaly (>100 ppb) and moderate zinc (>200 ppm) and silver (>1 ppm) anomalies. These anomalous zones could not be related to individual veins when field checked later in the year after the snow had melted, but they could be related to the general zone of gold-bearing veins seen in that area.

It appears that there are two more gold bearing zones within the confines of the survey area.

The second zone is north-trending along the west flank of the peak of Mount Sophia. This is an area that has always been somewhat difficult to access; there are no abandoned Crown Grants over this anomalous zone. The gold values (>100 ppb) are erratic, but within the zone, are backed up by a very strong (>40 ppm) linear north-south trending lead anomaly, and supported by strong zinc (>100 ppm) and silver values (1 to 300 ppm) coincident with the north-south anomaly. Chrome is somewhat higher in this anomalous zone.

A third important anomalous zone for gold is in the eastern portion of the surveyed area, underlain by Elise Formation rocks which are good hosts for gold mineralization. There is more glacially transported soil in this area, but the anomalous area extends into the abandoned Crown Grant Ethel

Mary and along the north side of The Brothers abandoned Crown Grant. The gold anomalies are spotty, as can be expected in this regime, but are backed up by zinc, lead and silver anomalies.

Nickle, copper, chromium and cobalt were analyzed because of their high contents in the known ultrabasic rocks which are alongside mineralization in the Velvet Mine. Copper was exceptionally low throughout the survey area. Ni, Co, and Cr were somewhat higher in the northwest portion of the survey, than the survey background, which is to be expected as that area is closest to the known ultrabasic rocks. The slightly higher than background values for Co, Ni, and Cr in the north-south anomalous zone along the west side of Mount Sophia was unexpected.

The gold and lead in the soils, (aided to a lesser amount by the zinc and silver) were used to successfully outline broad zones of possible and known mineralization.

**SOIL GEOCHEMICAL STATISTICS**  
(All in ppm except Au (ppb))

<u>ELEMENT</u>	<u>MIN</u>	<u>MAX</u>	<u>MEAN</u>	<u>STD DEV</u>	<u>MEDIAN</u>
LEAD	2.0	5000.0	38.8	190.3	23.0
ZINC	35.0	5173.0	139.6	155.6	126.0
SILVER	0.1	304.7	0.6	7.9	0.3
NICKEL	12.0	849.0	143.0	106.3	110.0
COBALT	3.0	42.0	14.0	5.2	13.0
CHROMIUM	12.0	458.0	100.5	55.9	86.0
GOLD	1.0	1440.0	7.8	42.0	2.0

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**CONCLUSIONS**

In the western part of the property north-west trending gold veins in the Mount Sophia Formation occur with geochemical anomalies extending the zones further to the southeast. A gold plus base metal geochemical and geophysical anomaly with no known explanation extends in a north-south direction along the west side of Sophia mountain peak. Scattered gold plus base metal soil geochemical anomalies occur in the eastern portion of the grid over the favourable Elise Formation rocks.

**RECOMMENDATIONS**

All of the geochemical anomalies should be explored. In addition, the untested eastern and northern parts of the claims should be explored. Geochemical soil sampling and magnetometer readings on a grid with 100 metre line spacings is adequate combined with prospecting and geological mapping. The anomalies and showings presently discovered need to be trenched, blasted and sampled.

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**REFERENCES**

Geological Setting of the Rossland Mining Camp,  
Bulletin 74, Minister of Energy Mines & Pet. Res.,  
1984

Memoir 38, G.S.C. by R.A. Daly. Geology of the Forty-Ninth  
Parallel Map 81A.

Memoir 308, Nelson Map Area, West Half, H.W. Little, 1960

Open File 1195, Geological Notes, Nelson West Half, 1973

Paper 79-26, Geology of the Rossland-Trail Map Area, 1982

Special Map of Rossland No. 1002 by R.W. Brock, Young, &  
Boyd. 1909, G.S.C.

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C E R T I F I C A T E

I, ALEX BURTON do hereby certify that I am an independent Consulting Geologist with offices at 901 - 626 West Pender Street, Vancouver, B.C. V6B 1V9.

I FURTHER CERTIFY THAT:

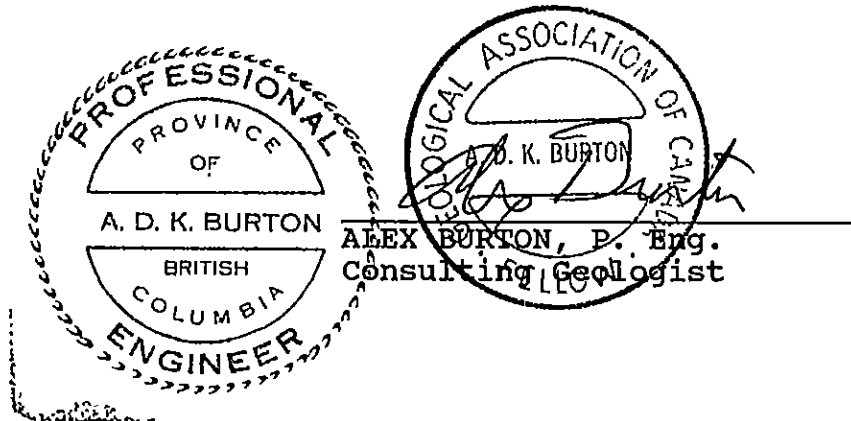
1. I am a geology graduate of the University of British Columbia and am a registered Professional Engineer in B.C. with Certificate No. 6262 and a Fellow of the Geological Association of Canada.

2. I have practised my profession for over 30 years both as an independent consultant and in senior managerial capacity for major mining companies in Canada and other countries.

3. I reviewed the work done by First Manhattan Resources Corp. on the Vermont #1, #2 and #3 Mineral Claims. I visited the property three times over the course of this work.

4. I have no personal interest, directly or indirectly in the securities of FIRST MANHATTAN RESOURCES CORP. or the Claims, nor do I expect to receive directly or indirectly any interest in such property or securities.

Dated this August 12th, 1988 in Vancouver, B.C. Amended January 18, 1989 in Vancouver, B.C.



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ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: JULY 11 1988  
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6  
PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: *July 15/88*

ASSAY CERTIFICATE

- SAMPLE TYPE: P1 ROCK P2 PAN-CONS.  
AU\*\* AND AG\*\* BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: *C. Leong* D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

FIRST MANHATTEN RES. File # 88-2584 Page 1

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T	Au** OZ/T
D 35606	.21	7.80	5.90	3.15	.001
D 35607	2.95	1.21	31.20	8.28	.001
D 35608	.03	4.58	.34	1.71	.004
D 35609	.14	7.98	7.22	2.44	.002
D 35610	-	-	-	.04	.001
D 35611	.22	6.55	9.57	2.39	.003
D 35612	.08	10.29	4.07	1.46	.001
D 35613	-	-	-	.01	.001
D 35614	.12	20.19	9.32	2.91	.002
D 35615	.13	4.82	3.98	1.10	.002
D 35616	-	-	-	.07	.001
D 35617	1.02	5.09	9.83	17.74	.001
D 35618	2.77	4.79	36.40	12.63	.001
D 35619	-	-	-	.46	.002
D 35620	-	.04	.11	.10	.001
D 35621	-	.49	.52	.09	.002
D 35622	.14	4.20	4.11	1.53	.002
D 35623	.19	2.87	4.56	1.41	.003
D 35624	-	-	-	.11	.001
D 35625	-	-	-	.06	.001

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-23 SOIL  
 AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 10 1987 DATE REPORT MAILED: *Nov 27/87* ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

1ST MANHATTEN File # 87-5643 Page 1

SAMPLE#	NO PPM	CU PPM	PB PPM	ZN PPM	AE PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPM
LO-1225W	1	10	23	67	.5	103	8	532	2.74	8	5	ND	11	30	1	2	2	38	.24	.175	10	47	.60	137	.14	4	2.76	.04	.06	1	1
LO-1200W	1	10	17	86	.5	95	8	714	3.03	3	5	ND	10	27	1	2	2	40	.23	.124	10	50	.56	193	.14	4	2.42	.04	.08	3	1
LO-1175W	1	14	26	163	.3	39	8	1150	2.43	6	5	ND	7	44	1	2	2	31	.29	.320	13	38	.36	390	.12	3	1.77	.03	.06	1	4
LO-1150W	1	16	16	112	.2	46	6	1529	2.42	5	5	ND	6	27	1	2	2	31	.22	.289	9	30	.31	322	.15	5	3.10	.04	.06	1	1
LO-1125W	1	37	21	75	.5	90	8	543	2.83	4	5	ND	12	27	1	2	2	37	.23	.146	21	55	.65	172	.14	5	2.82	.04	.05	2	6
LO-1100W	1	15	15	70	.4	106	7	319	2.50	8	5	ND	9	27	1	2	2	32	.25	.147	16	55	.54	95	.13	4	2.76	.04	.07	1	1
LO-1075W	1	13	13	60	.3	240	16	381	3.91	6	5	ND	12	27	1	2	2	46	.28	.116	25	199	1.35	98	.09	10	1.14	.04	.08	2	1
LO-1050W	1	12	8	77	.4	162	9	303	2.15	11	5	ND	4	21	1	2	4	25	.14	.301	7	72	.57	143	.13	5	3.03	.04	.05	1	1
LO-1025W	1	11	15	72	.1	191	15	242	3.38	4	5	ND	8	22	1	2	2	40	.16	.192	14	143	.84	148	.10	4	1.66	.03	.05	2	3
LO-1000W	1	10	18	57	.4	135	9	386	2.78	7	5	ND	6	29	1	3	2	36	.23	.122	11	87	.53	150	.13	3	2.42	.04	.06	1	1
LO-975W	1	7	14	54	.3	142	10	280	2.54	3	5	ND	5	23	1	2	2	31	.16	.117	12	97	.61	90	.08	3	1.50	.03	.05	1	1
LO-950W	1	7	14	47	.3	125	10	344	3.16	5	5	ND	12	35	1	2	2	39	.25	.080	30	134	.82	77	.08	4	.76	.03	.06	2	1
LO-925W	1	8	14	54	.3	133	11	320	3.41	7	5	ND	10	43	1	2	2	43	.33	.055	27	135	1.12	76	.10	3	.95	.04	.07	1	1
LO-900W	1	16	20	85	.3	411	10	278	3.15	9	5	ND	8	30	1	2	3	34	.19	.099	8	70	.55	198	.16	4	4.37	.04	.08	1	1
LO-875W	1	15	13	72	.2	83	7	534	2.48	12	5	ND	6	34	1	2	3	27	.23	.413	1	45	.33	258	.13	5	2.87	.04	.06	1	1
LO-850W	1	15	17	75	.6	268	8	460	2.68	13	5	ND	8	30	1	2	5	30	.20	.187	12	59	.41	260	.15	6	4.22	.05	.08	1	1
LO-825W	2	27	25	133	.3	840	17	1007	4.32	21	5	ND	13	63	1	2	2	42	.40	.239	29	163	1.13	520	.15	7	5.16	.05	.18	1	1
LO-800W	1	16	20	77	.3	344	12	514	3.24	16	5	ND	8	41	1	2	2	38	.27	.125	21	113	.79	226	.12	4	2.91	.04	.10	1	2
LO-775W	1	20	28	97	.2	402	14	1020	3.50	12	5	ND	7	40	1	2	2	40	.37	.075	36	133	.92	297	.11	3	2.66	.04	.11	1	2
LO-750W	1	14	13	66	.5	136	9	501	2.86	4	5	ND	6	32	1	2	2	34	.26	.160	12	68	.54	195	.11	4	2.55	.03	.08	1	1
LO-725W	1	12	10	67	.4	195	11	511	3.08	7	5	ND	8	38	1	2	2	36	.27	.096	14	81	.71	214	.14	4	2.63	.04	.10	1	1
LO-700W	1	10	12	58	.3	218	9	267	3.45	5	5	ND	9	30	1	2	2	39	.21	.149	15	80	.61	255	.10	3	2.21	.03	.08	1	2
LO-675W	1	9	12	55	.1	100	7	217	2.41	9	5	ND	3	41	1	2	2	28	.20	.189	5	38	.24	172	.14	3	3.15	.04	.04	1	3
LO-650W	1	11	20	91	.1	123	7	1031	2.44	8	5	ND	6	42	1	2	2	28	.22	.213	9	57	.40	282	.12	4	2.32	.04	.07	1	1
LO-625W	1	12	16	65	.5	113	7	354	2.36	8	5	ND	9	38	1	2	2	29	.21	.173	10	38	.36	159	.16	5	3.55	.04	.08	2	1
LO-600W	1	13	20	102	.5	116	9	645	2.41	9	5	ND	6	52	1	2	2	25	.26	.534	9	40	.41	508	.13	5	2.69	.04	.08	1	1
STD C/AL-S	10	50	35	133	7.2	67	27	1042	4.06	38	16	7	30	49	18	16	22	56	.48	.097	37	58	.84	167	.08	30	1.82	.08	.13	14	52
LO-575W	1	16	17	73	.4	162	10	422	2.66	7	5	ND	7	33	1	2	2	30	.19	.230	11	58	.44	255	.16	4	3.74	.05	.08	1	1
LO-550W	1	11	15	47	.3	152	10	298	2.89	3	5	ND	10	44	1	2	2	35	.25	.117	15	81	.57	150	.12	4	2.25	.04	.08	1	1
LO-525W	1	11	12	76	.3	177	10	468	2.50	6	5	ND	7	77	1	2	2	26	.34	.579	12	63	.41	310	.11	3	2.66	.04	.09	2	1
LO-500W	1	14	18	66	.4	222	12	384	3.10	8	5	ND	8	48	1	2	2	40	.24	.082	10	118	.81	174	.11	4	1.85	.04	.08	1	4
LO-475W	1	21	23	105	.5	366	13	576	3.28	7	5	ND	7	67	1	2	2	43	.32	.045	39	139	.90	225	.13	5	2.42	.04	.10	1	33
LO-450W	1	10	10	75	.6	299	15	554	3.48	9	5	ND	10	50	1	2	2	47	.31	.036	25	151	1.20	206	.13	3	2.07	.05	.11	2	2
LO-425W	1	26	40	104	.9	360	14	737	3.53	12	5	ND	10	91	1	2	2	44	.44	.093	37	138	1.14	295	.12	6	2.75	.05	.14	2	2
LO-400W	1	25	40	84	.9	328	14	771	3.40	9	5	ND	9	92	1	2	2	45	.44	.085	43	127	1.01	259	.12	3	2.68	.04	.13	1	1
LO-375W	1	28	30	101	.6	318	14	590	3.34	7	5	ND	7	101	1	3	2	45	.48	.046	40	138	1.00	300	.11	4	2.24	.04	.15	1	3
LO-350W	1	26	25	96	.7	331	13	507	3.57	8	5	ND	11	74	1	2	2	50	.39	.057	32	158	1.27	248	.13	3	2.57	.05	.16	1	1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AS PPM	NI PPM	CO PPM	MN PPM	FE Z PPM	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CR Z PPM	P Z PPM	LA PPM	CR PPM	MG Z PPM	BA PPM	TI Z PPM	B PPM	AL Z PPM	HA Z PPM	K Z PPM	W PPM	AU# PPB
L0-325W	1	12	14	84	.5	237	11	229	3.00	7	5	ND	6	43	1	2	2	40	.22	.060	18	101	.67	234	.13	3	2.35	.04	.12	1	10
L0-300W	1	12	17	69	.4	193	10	339	2.53	5	5	ND	9	38	1	2	2	42	.26	.039	25	112	.83	118	.13	2	1.46	.04	.12	1	2
L0-275W	1	17	16	77	.6	287	12	453	3.17	5	7	ND	8	49	1	2	2	47	.27	.038	21	125	.89	175	.13	3	2.16	.05	.12	1	3
L0-250W	1	17	28	87	.5	304	13	721	3.07	10	5	ND	6	60	1	2	2	45	.31	.035	25	127	.94	198	.13	3	2.28	.05	.12	1	4
L0-225W	1	19	21	95	.5	314	15	804	3.30	8	5	ND	7	63	1	2	2	48	.34	.045	31	136	1.00	232	.13	4	2.31	.05	.14	1	3
L0-200W	1	19	30	97	.7	273	13	769	3.00	9	5	ND	6	72	1	2	2	44	.35	.033	27	119	.87	215	.13	2	2.04	.05	.11	1	1
L0-175W	1	15	14	92	.3	287	12	201	3.08	9	5	ND	5	43	1	2	2	42	.23	.070	13	97	.78	181	.13	3	3.11	.04	.10	1	1
L0-150W	1	14	22	120	.4	179	12	934	3.14	5	5	ND	6	25	1	2	2	40	.19	.272	14	86	.62	372	.15	4	3.33	.04	.11	1	1
L0-125W	1	14	23	78	.4	161	15	374	3.51	10	5	ND	8	40	1	2	2	53	.32	.058	23	160	1.14	137	.15	2	1.74	.04	.14	1	1
L0-100W	1	11	18	90	.4	129	10	1023	2.50	2	5	ND	3	52	1	2	2	38	.29	.031	16	79	.66	229	.11	3	1.49	.04	.07	1	2
L0-75W	1	16	39	77	.5	164	15	763	2.60	6	5	ND	4	54	1	2	2	42	.32	.049	23	111	1.00	198	.11	3	1.68	.04	.09	1	1
L0-50W	1	14	19	60	.6	157	15	317	3.67	10	5	ND	11	40	1	2	2	60	.36	.079	25	171	1.27	154	.15	3	1.57	.04	.11	1	1
L0-25W	1	10	19	56	.4	166	15	429	3.49	9	5	ND	8	38	1	2	2	48	.32	.067	24	198	1.21	130	.11	5	1.18	.04	.08	1	2
L0-25E	1	13	19	86	.3	141	13	475	3.16	7	5	ND	7	37	1	2	2	49	.31	.080	22	129	.99	183	.13	2	1.59	.04	.10	1	2
L0-50E	1	26	26	126	1.8	298	15	462	3.56	11	9	ND	8	37	1	2	2	50	.22	.116	19	121	1.10	416	.16	4	3.88	.04	.16	3	2
L0-75E	1	23	26	95	1.2	179	10	561	2.66	6	5	ND	7	51	1	2	2	43	.29	.048	23	107	.93	365	.14	3	2.09	.05	.14	1	10
L0-100E	1	23	24	114	.9	197	12	563	2.21	5	3	ND	8	36	1	2	2	44	.22	.064	18	98	.90	315	.14	3	2.34	.05	.13	1	1
L0-125E	1	10	21	95	.4	133	12	301	3.02	5	5	ND	8	23	1	2	2	39	.16	.135	18	132	.66	209	.15	3	1.72	.03	.07	1	2
L0-150E	1	13	18	90	.4	121	11	644	2.72	7	5	ND	6	21	1	2	3	34	.16	.198	12	86	.53	261	.14	3	2.73	.04	.07	2	4
L0-175E	1	14	21	83	.7	119	12	563	2.52	6	5	ND	7	16	1	2	2	37	.11	.168	13	95	.64	168	.15	3	3.44	.04	.07	1	1
L0-200E	1	11	21	110	.5	115	13	459	2.97	6	5	ND	6	18	1	2	2	37	.13	.209	14	111	.70	202	.12	3	2.03	.03	.09	1	1
L0-225E	1	11	15	95	.3	130	11	858	2.62	4	5	ND	4	19	1	2	2	33	.14	.210	10	99	.58	238	.13	3	2.92	.03	.06	1	1
L0-250E	1	12	13	153	.7	104	9	1212	2.25	6	5	ND	3	23	1	2	2	28	.16	.262	9	61	.39	330	.12	3	2.48	.04	.05	1	1
L0-275E	2	19	24	134	1.1	74	10	731	3.04	60	5	ND	6	35	1	2	2	39	.16	.149	29	61	.52	316	.08	2	2.19	.03	.14	1	52
L0-300E	1	12	11	130	.6	32	6	1210	2.02	5	5	ND	3	20	1	2	2	25	.14	.487	6	27	.21	389	.12	3	2.51	.04	.05	1	3
L0-325E	1	17	25	107	.9	156	13	770	3.01	10	5	ND	8	38	1	2	2	41	.26	.173	19	126	.98	266	.14	3	2.60	.04	.14	1	1
L0-350E	1	15	19	110	.6	65	9	788	2.66	9	5	ND	6	26	1	2	2	32	.17	.474	12	64	.45	293	.14	4	3.46	.04	.10	3	1
L0-375E	1	11	17	121	.7	56	6	317	2.33	6	6	ND	8	15	1	2	2	31	.10	.236	12	27	.23	147	.14	2	2.90	.03	.06	1	1
L0-400E	1	11	16	104	.6	28	4	1065	1.90	2	5	ND	4	15	1	2	3	24	.11	.322	9	17	.15	202	.13	2	2.41	.03	.05	2	1
L0-425E	1	20	22	105	1.3	131	8	493	2.96	9	5	ND	10	36	1	2	2	37	.23	.118	16	49	.39	221	.17	2	4.56	.04	.06	2	1
L0-450E	1	36	34	109	1.1	223	12	385	3.73	17	5	ND	8	31	1	2	2	53	.15	.095	15	110	.81	280	.15	3	4.28	.04	.11	2	2
L0-475E	1	15	20	102	.5	80	9	623	2.64	8	5	ND	5	39	1	2	2	34	.35	.211	13	57	.45	259	.14	3	3.07	.04	.06	1	1
L0-500E	1	14	19	85	.2	60	8	877	2.40	4	5	ND	4	37	1	2	2	31	.22	.236	10	47	.37	234	.14	3	2.68	.04	.06	2	1
L0-525E	2	29	33	117	1.7	280	12	941	3.31	9	5	ND	7	47	1	2	2	44	.35	.080	27	92	.74	235	.16	4	3.55	.05	.09	1	2
L0-550E	1	17	16	82	.4	104	10	494	3.04	7	5	ND	7	28	1	2	2	42	.22	.135	15	92	.73	215	.16	3	3.05	.04	.10	2	1
L0-575E	1	11	26	113	.1	77	8	1214	2.38	4	5	ND	4	23	1	2	4	30	.15	.279	9	61	.40	469	.13	3	2.02	.03	.07	2	11
STD C/AU-5	18	57	39	132	7.5	67	28	1044	4.08	41	18	7	39	50	18	18	22	57	.49	.088	38	60	.85	180	.08	33	1.84	.08	.14	12	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZH PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPM
L0-600E	2	16	18	99	.1	127	13	673	3.57	5	5	ND	8	35	1	2	2	55	.28	.099	19	118	.97	218	.14	2	1.73	.04	.09	2	54
L0-625E	1	14	14	108	.1	50	7	523	2.52	14	5	ND	3	23	1	2	2	35	.17	.190	7	48	.33	145	.15	2	3.17	.04	.05	1	1
L0-650E	1	13	8	143	.1	48	3	1119	2.78	6	5	ND	4	37	1	2	2	39	.22	.279	10	58	.51	341	.14	2	2.54	.04	.08	2	1
L0-675E	1	15	17	122	.1	43	9	856	2.46	8	5	ND	3	29	1	2	2	42	.22	.289	12	59	.50	233	.14	2	2.71	.03	.06	1	1
L0-700E	1	16	27	96	.2	47	8	682	2.66	11	5	ND	5	30	1	2	2	37	.25	.152	11	50	.40	156	.15	3	2.75	.04	.05	1	1
L0-725E	1	38	15	85	1.0	81	9	1118	3.03	13	5	ND	5	60	1	2	2	48	.56	.094	32	78	.55	129	.14	2	3.21	.04	.07	2	1
L0-750E	1	26	17	111	.5	63	10	504	3.20	11	5	ND	6	37	1	2	2	47	.29	.165	21	79	.65	177	.14	2	2.50	.04	.09	1	1
L0-775E	1	35	24	143	.6	53	9	790	2.94	14	5	ND	4	54	1	2	2	44	.46	.165	22	49	.44	275	.16	3	2.87	.05	.09	1	2
L0-800E	1	19	29	103	.1	70	12	491	3.51	16	5	ND	5	54	1	2	2	55	.37	.195	16	104	.95	191	.14	3	2.37	.04	.14	2	1
L0-825E	1	16	17	121	.1	47	8	793	2.75	14	5	ND	5	35	1	2	2	44	.20	.236	11	56	.55	231	.14	3	3.04	.03	.07	1	1
L0-850E	1	19	20	139	.3	53	9	607	2.91	11	5	ND	4	50	1	2	2	42	.34	.363	13	60	.59	241	.12	2	2.84	.04	.07	1	2
L0-875E	2	28	48	132	1.2	112	11	702	3.73	42	5	ND	6	81	1	2	2	57	.50	.117	13	105	.75	269	.17	3	5.23	.05	.13	2	5
L0-900E	1	13	15	131	.1	65	9	816	2.81	15	5	ND	2	32	1	2	2	41	.29	.293	8	65	.53	223	.13	3	2.60	.04	.09	1	1
L0-925E	1	13	22	139	.1	63	8	1336	2.45	12	5	ND	3	23	1	2	2	37	.15	.245	6	50	.44	195	.15	3	2.62	.04	.06	1	1
L0-950E	1	14	16	122	.1	69	8	416	2.59	9	5	ND	3	19	1	2	2	38	.14	.241	6	58	.39	159	.14	3	2.28	.04	.05	1	1
L0-975E	1	15	16	158	.1	138	14	1141	3.22	14	5	ND	4	45	1	2	2	47	.35	.165	10	121	1.00	251	.14	4	2.53	.05	.10	1	1
L0-1000E	1	16	14	106	.1	123	13	327	3.28	18	5	ND	2	54	1	2	2	52	.39	.066	9	116	.99	129	.14	3	2.99	.05	.06	1	1
L0-1025E	1	20	22	74	.3	107	12	510	3.76	109	5	ND	5	37	1	2	2	57	.25	.051	13	110	.74	182	.19	2	5.22	.05	.11	1	3
L0-1050E	1	16	19	134	.1	94	10	843	2.89	13	5	ND	3	38	1	2	2	40	.31	.183	9	77	.60	173	.13	3	2.80	.04	.10	1	2
L0-1075E	1	15	12	140	.1	62	9	1322	2.62	11	5	ND	1	37	1	2	2	36	.27	.264	7	60	.54	189	.09	2	2.37	.04	.07	1	1
L0-1100E	1	69	74	145	2.7	272	15	1212	4.01	70	5	ND	5	120	2	2	2	67	.95	.154	49	198	1.45	233	.13	5	4.36	.04	.23	2	14
L0-1125E	1	17	9	114	.2	57	9	691	2.86	16	5	ND	4	43	1	2	2	44	.30	.203	11	56	.80	203	.14	3	3.04	.05	.09	1	1
L0-1150E	1	20	14	75	.1	63	14	594	3.99	17	5	ND	5	57	1	2	2	84	.61	.102	20	100	1.05	174	.19	3	1.79	.04	.33	1	4
L0-1175E	1	18	24	119	.5	109	11	458	5.30	14	5	ND	4	55	1	2	2	56	.40	.087	13	94	.93	170	.17	3	2.89	.05	.13	1	20
L0-1200E	1	14	10	120	.1	77	10	706	2.71	14	5	ND	3	39	1	2	2	40	.23	.294	8	69	.65	236	.13	3	2.57	.04	.10	1	6
L0-12+25E	1	18	15	117	.1	68	11	744	3.26	10	5	ND	4	68	1	2	2	50	.46	.257	10	73	.79	242	.15	3	3.26	.05	.14	1	29
L0-12+50E	1	18	11	134	.1	60	10	509	3.01	9	5	ND	4	40	1	2	2	46	.29	.192	10	69	.69	193	.15	3	2.92	.05	.12	2	2
L1-1225W	2	15	26	80	.2	112	9	896	2.48	6	5	ND	9	35	1	2	2	36	.26	.122	18	55	.61	219	.12	2	1.99	.03	.08	2	1
L1-1200W	1	74	21	59	.3	147	11	410	3.43	3	5	ND	16	31	1	2	2	48	.31	.118	28	80	.99	83	.14	4	2.63	.04	.05	1	6
L1-1175W	1	18	18	89	.3	147	11	682	3.29	2	5	ND	10	34	1	2	2	44	.24	.126	21	86	.92	202	.15	3	2.08	.04	.09	1	1
L1-1150W	1	23	18	84	.2	88	9	920	2.92	4	5	ND	9	27	1	2	2	37	.23	.195	16	52	.57	199	.13	3	2.59	.03	.05	2	1
L1-1125W	1	39	16	101	.2	140	7	276	2.50	10	5	ND	7	38	1	2	2	30	.23	.235	11	43	.41	163	.14	4	2.92	.04	.07	1	1
L1-1100W	1	13	15	123	.1	63	6	741	2.29	4	5	ND	3	28	1	2	2	26	.17	.292	9	39	.27	267	.12	2	2.05	.03	.04	1	1
L1-1075W	1	17	7	50	.2	73	5	266	1.95	6	5	ND	7	21	1	2	2	24	.14	.144	13	28	.21	82	.16	3	4.19	.05	.05	1	1
L1-1050W	1	34	28	109	.3	441	14	682	3.50	6	5	ND	10	67	1	2	2	40	.41	.089	34	150	1.25	182	.13	3	2.77	.05	.10	4	1
L1-1025W	1	13	17	75	.1	350	16	378	3.77	6	5	ND	6	33	1	2	2	42	.21	.025	19	240	1.30	89	.11	3	1.30	.04	.07	1	1
STD C/AU-S	18	57	36	132	6.7	68	27	1030	3.94	40	16	6	37	49	17	17	20	56	.47	.094	37	58	.82	175	.08	32	1.77	.08	.14	13	52

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUX	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L1-1000W	1	12	12	70	.1	252	14	257	3.03	3	5	ND	5	21	1	2	2	33	.17	.128	9	146	1.16	186	.14	4	2.93	.04	.05	1	1	
L1-975W	1	9	16	53	.2	280	18	452	3.65	4	5	ND	8	26	1	2	2	44	.26	.054	24	301	1.71	106	.11	4	1.01	.03	.05	1	1	
L1-950W	1	9	13	48	.1	160	10	327	2.59	5	5	ND	4	19	1	2	2	33	.14	.070	12	120	.65	142	.12	3	1.95	.03	.04	1	1	
L1-925W	1	12	18	47	.8	389	22	562	3.94	7	9	ND	22	36	1	2	2	41	.40	.107	61	302	2.98	67	.10	17	.85	.05	.09	2	2	
L1-900W	1	7	19	54	.1	158	13	488	3.29	2	5	ND	19	36	1	2	2	37	.31	.063	44	229	.97	135	.11	4	.60	.04	.04	1	1	
L1-875W	1	10	17	60	.4	164	13	638	3.19	2	5	ND	17	41	1	2	3	37	.35	.064	47	211	1.02	160	.09	5	.84	.04	.04	1	1	
L1-850W	1	8	13	50	.2	182	9	207	3.07	2	5	ND	13	29	1	2	2	38	.19	.114	22	113	.72	123	.12	3	2.00	.03	.02	2	1	
L1-825W	1	10	14	56	.2	118	7	218	2.42	5	5	ND	6	26	1	2	2	34	.18	.175	8	45	.28	130	.14	5	3.28	.04	.05	1	7	
L1-800W	1	15	21	65	.3	133	10	364	2.79	6	6	ND	7	30	1	2	2	37	.22	.122	12	70	.56	159	.15	3	3.13	.04	.05	1	1	
L1-775W	1	9	17	78	.1	131	10	530	2.70	4	5	ND	5	33	1	2	2	33	.19	.121	13	82	.51	282	.12	3	1.66	.03	.06	1	1	
L1-750W	1	8	13	51	.2	182	10	362	3.13	2	5	ND	9	33	1	2	2	42	.24	.041	24	131	.89	88	.10	4	1.03	.03	.04	1	1	
L1-725W	1	15	18	51	.4	293	8	202	2.72	12	5	ND	8	38	1	2	2	28	.28	.178	15	52	.40	157	.17	4	4.58	.05	.06	1	2	
L1-700W	1	14	21	73	.6	297	10	196	3.10	10	5	ND	7	41	1	2	2	35	.21	.065	18	85	.66	180	.15	3	3.58	.04	.06	3	1	
L1-675W	1	10	16	52	.2	109	9	195	2.67	9	5	ND	8	23	1	2	2	35	.14	.175	10	73	.36	115	.13	3	2.73	.03	.05	1	1	
L1-650W	1	22	25	87	.6	473	13	488	3.55	8	5	ND	10	55	1	2	2	44	.31	.047	35	146	1.23	173	.13	4	2.89	.05	.11	1	1	
L1-625W	1	14	17	75	.4	240	10	268	2.88	12	5	ND	7	40	1	2	2	35	.28	.167	18	82	.67	197	.13	3	2.80	.04	.08	1	1	
L1-600W	1	12	19	70	.3	199	10	310	2.94	8	5	ND	7	31	1	2	2	36	.21	.165	13	93	.62	182	.13	4	2.47	.04	.07	1	1	
STD C/ABU-E	20	62	39	134	7.6	71	29	1093	4.13	42	19	8	39	49	19	17	20	80	.51	.087	40	62	.87	180	.09	34	1.94	.09	.13	14	50	
L1-575W	1	10	11	59	.1	148	9	424	2.51	7	5	ND	5	43	1	2	2	32	.26	.215	9	67	.45	205	.13	3	2.34	.04	.08	1	1	
L1-550W	1	13	14	69	.4	158	8	444	2.40	12	5	ND	6	45	1	2	2	29	.27	.267	10	50	.38	203	.15	5	3.74	.05	.08	1	1	
L1-525W	1	10	20	76	.3	167	8	371	2.20	6	5	ND	4	32	1	2	2	32	.22	.045	16	68	.51	154	.12	3	1.58	.04	.07	1	1	
L1-500W	1	12	15	94	.2	272	10	241	2.54	4	5	ND	5	32	1	2	2	34	.20	.075	13	74	.67	194	.13	2	2.42	.04	.07	1	1	
L1-475W	1	10	14	66	.4	199	10	328	2.52	4	5	ND	9	30	1	2	2	36	.23	.062	21	84	.77	90	.13	7	1.48	.04	.09	1	1	
L1-450W	1	15	14	87	.2	312	10	564	2.70	5	5	ND	4	36	1	2	2	37	.23	.066	16	83	.67	169	.13	5	2.18	.04	.10	1	1	
L1-425W	1	12	18	99	.4	314	13	424	2.97	6	5	ND	4	40	1	2	2	34	.25	.207	11	81	.51	327	.14	4	2.91	.04	.10	1	1	
L1-400W	1	14	15	77	.4	210	12	350	2.97	9	5	ND	7	34	1	2	2	37	.25	.154	17	79	.60	238	.15	3	3.19	.04	.11	1	1	
L1-375W	1	10	15	75	.3	190	11	405	3.45	6	5	ND	11	33	1	2	2	50	.23	.049	19	140	.81	130	.12	3	1.35	.04	.09	1	2	
L1-350W	1	12	17	81	.2	224	11	298	2.90	4	5	ND	5	34	1	2	2	42	.25	.056	17	102	.85	162	.13	2	1.91	.04	.09	1	1	
L1-325W	1	9	15	83	.1	169	8	333	2.30	2	5	ND	4	30	1	2	2	37	.19	.024	15	90	.66	112	.13	2	1.36	.04	.09	1	1	
L1-300W	1	9	16	86	.1	148	9	549	2.27	4	5	ND	3	42	1	2	2	37	.27	.032	13	91	.60	133	.11	2	1.11	.04	.06	1	1	
L1-275W	1	13	14	86	.3	270	12	307	3.00	5	5	ND	5	35	1	2	2	45	.24	.033	20	124	1.02	129	.14	4	1.76	.05	.09	1	1	
L1-250W	1	14	15	83	.3	290	14	314	3.14	6	5	ND	8	33	1	2	2	45	.23	.044	19	147	1.15	124	.13	4	1.74	.05	.06	1	1	
L1-225W	1	12	16	59	.2	240	17	344	4.01	9	5	ND	10	35	1	2	2	53	.29	.065	25	235	1.56	94	.12	4	1.28	.04	.08	1	4	
L1-200W	1	13	15	117	.2	348	15	521	3.57	8	5	ND	5	36	1	2	2	42	.22	.144	13	123	1.80	293	.15	5	2.91	.04	.10	1	1	
L1-175W	1	15	15	139	.4	205	11	847	2.74	3	5	ND	4	34	1	2	2	32	.20	.129	19	80	.67	397	.15	2	3.33	.05	.07	1	5	
L1-150W	1	13	27	153	.4	210	20	994	3.31	9	5	ND	5	25	1	2	3	37	.19	.126	14	169	.90	367	.12	3	1.80	.04	.08	1	1	
L1-125W	1	14	29	134	.1	198	15	1059	2.96	6	5	ND	3	34	1	2	2	42	.22	.074	16	142	.80	227	.13	2	1.64	.04	.06	1	1	

SAMPLE#	NO PPM	CU PPM	PB PPM	ZH PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TR PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	HA %	K %	W PPM	AU PPM
L1-100W	1	12	14	73	.1	135	10	402	2.30	2	5	ND	5	37	1	2	2	35	.20	.025	13	92	.60	151	.12	5	1.38	.04	.04	2	1
L1-75W	1	21	19	89	.7	218	14	525	3.07	6	5	ND	7	42	1	2	2	45	.24	.050	24	133	1.06	201	.17	2	2.02	.04	.11	2	1
L1-50W	1	13	24	118	.5	187	14	493	2.74	8	5	ND	3	42	1	2	2	36	.29	.060	13	93	1.32	240	.12	5	2.03	.04	.09	2	1
L1-25W	1	14	16	109	.2	138	12	452	2.55	3	5	ND	4	27	1	2	2	35	.15	.169	11	66	.49	330	.14	5	2.47	.04	.08	2	2
L1-25E	1	22	23	140	.4	171	12	450	3.42	7	5	ND	10	33	1	2	2	47	.20	.255	22	89	.74	314	.16	4	4.12	.04	.13	1	9
L1-50E	1	15	14	105	1.1	73	9	473	2.53	4	5	ND	7	36	1	2	2	33	.28	.227	14	47	.41	281	.14	4	3.12	.04	.08	1	1
L1-75E	1	13	13	111	.6	92	9	661	2.46	4	5	ND	5	41	1	2	2	32	.27	.335	11	53	.49	305	.14	2	2.91	.04	.10	2	2
L1-100E	2	14	20	127	.6	127	12	1134	3.23	4	5	ND	10	32	1	2	2	45	.30	.180	24	90	.65	402	.11	2	2.77	.03	.09	1	1
L1-125E	1	15	23	145	.2	109	13	1318	3.66	2	5	ND	11	24	1	2	2	51	.21	.225	18	95	.81	458	.13	3	2.79	.03	.08	2	2
L1-150E	2	17	23	168	.3	92	11	1153	3.12	6	5	ND	8	25	1	2	2	42	.18	.257	16	62	.54	433	.15	3	3.16	.04	.09	3	7
STD C/AU-S	19	59	39	131	7.3	68	27	1023	4.01	38	22	7	39	49	19	15	22	57	.47	.088	38	60	.84	165	.08	35	1.67	.08	.15	14	50
L1-175E	1	12	19	149	.4	64	9	1627	2.47	7	5	ND	6	40	1	2	3	32	.22	.409	13	47	.36	661	.17	2	2.62	.03	.07	1	2
L1-200E	1	18	22	155	1.2	171	10	858	3.06	11	5	ND	9	24	1	2	2	40	.17	.263	12	61	.55	431	.15	4	3.71	.04	.09	1	1
L1-225E	1	18	21	192	.3	51	8	1690	2.57	7	5	ND	6	29	1	2	2	32	.21	.452	14	44	.33	495	.12	3	2.40	.04	.07	1	2
L1-250E	2	29	40	126	1.7	146	12	1142	3.34	19	5	ND	7	79	1	2	2	49	.44	.194	26	103	.65	487	.11	3	3.54	.04	.15	1	4
L1-275E	1	24	34	166	.8	67	8	1127	2.90	9	5	ND	10	40	1	2	2	57	.32	.384	24	44	.38	461	.13	6	2.58	.04	.12	3	6
L1-300E	1	27	25	134	2.4	136	10	435	3.58	17	8	ND	12	71	1	2	2	55	.35	.140	22	121	.80	410	.16	3	4.68	.05	.10	2	17
L1-325E	1	14	15	129	.6	63	8	1019	2.35	3	5	ND	4	22	1	2	2	29	.17	.441	9	48	.33	404	.13	2	3.02	.04	.06	1	1
L1-350E	2	14	19	149	.5	92	11	1266	3.09	5	5	ND	7	19	1	2	2	41	.13	.405	11	73	.58	322	.15	3	3.52	.04	.09	3	2
L1-375E	1	16	12	111	.3	83	10	523	2.88	6	5	ND	6	20	1	2	2	40	.14	.179	11	74	.57	217	.16	4	3.52	.04	.07	1	1
L1-400E	1	15	14	135	.6	61	9	999	2.41	5	5	ND	5	28	1	2	2	28	.15	.531	8	46	.35	476	.13	2	2.89	.04	.06	2	2
L1-425E	1	31	39	137	.8	125	14	1020	3.53	10	5	ND	7	45	1	2	2	48	.23	.189	19	95	.74	281	.15	3	2.94	.04	.10	1	2
L1-450E	2	33	30	128	1.2	208	16	1035	3.98	16	5	ND	5	89	1	2	2	55	.33	.121	22	129	.96	255	.12	5	3.73	.05	.15	3	1
L1-475E	1	35	30	114	1.4	342	16	474	3.83	11	5	ND	9	46	1	2	2	54	.28	.097	19	119	1.09	325	.16	4	3.98	.05	.10	1	3
L1-500E	1	16	17	129	.2	57	7	833	2.34	2	7	ND	6	17	1	2	2	32	.11	.352	9	42	.28	258	.14	4	2.33	.03	.07	2	1
L1-525E	1	12	20	104	.2	66	8	1250	2.35	2	5	ND	6	42	1	2	2	31	.23	.264	11	53	.30	281	.14	6	2.38	.04	.05	1	1
L1-550E	1	13	18	119	.3	34	6	1174	1.92	10	5	ND	4	19	1	2	2	24	.13	.428	6	26	.19	326	.13	4	2.01	.04	.08	1	2
L1-575E	1	12	14	104	.3	45	7	1367	2.24	4	5	ND	3	16	1	2	2	30	.11	.332	8	31	.26	210	.14	3	2.82	.03	.04	1	1
L1-600E	1	13	15	81	.6	27	5	1204	1.99	7	5	ND	4	24	1	2	2	29	.14	.213	7	32	.21	222	.13	3	1.93	.03	.05	1	1
L1-625E	1	15	14	130	.4	34	7	2294	2.44	3	5	ND	4	38	1	2	2	33	.22	.314	9	39	.40	437	.13	3	2.80	.04	.07	1	1
L1-650E	1	18	46	132	.4	62	9	1462	2.74	7	5	ND	3	43	1	2	2	39	.30	.295	11	67	.53	293	.14	4	2.56	.04	.10	1	3
L1-675E	1	24	22	120	.8	77	11	616	3.30	11	5	ND	5	39	1	2	2	49	.27	.162	8	74	.65	177	.18	3	4.16	.05	.11	1	2
L1-700E	1	18	20	130	.6	43	9	1503	2.77	8	5	ND	3	43	1	2	2	42	.27	.212	9	48	.50	276	.15	3	3.10	.04	.10	1	1
L1-725E	1	14	18	122	.1	33	9	1122	2.53	7	5	ND	3	39	1	2	2	36	.21	.260	8	43	.40	277	.14	2	2.24	.04	.06	1	1
L1-750E	1	15	18	120	.6	40	9	672	2.81	7	5	ND	5	49	1	2	2	44	.28	.294	9	46	.49	246	.15	4	3.10	.04	.10	1	1
L1-775E	1	14	15	108	.3	41	7	423	2.44	9	5	ND	4	45	1	2	2	36	.28	.299	8	41	.44	148	.15	2	3.81	.04	.08	1	2
L1-800E	1	30	21	143	1.2	70	13	649	3.69	15	5	ND	8	64	1	2	2	61	.45	.180	13	98	1.24	217	.19	4	4.16	.06	.16	1	1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MY	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	ER	ME	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	I	I	I	I	PPM	PPM
L1-825E	1	22	28	129	1.1	66	10	746	3.17	13	5	ND	4	43	1	2	2	49	.28	.144	13	65	.66	144	.15	3	3.70	.04	.12	1	4
L1-850E	1	15	21	108	.1	53	9	791	2.83	13	5	ND	4	48	1	2	2	43	.39	.260	11	66	.70	259	.14	2	2.59	.04	.10	1	1
L1-875E	1	18	28	138	.7	35	8	1359	2.67	25	5	ND	3	68	1	2	2	38	.57	.152	10	45	.48	262	.12	7	2.20	.05	.10	1	1
L1-900E	1	20	24	142	.1	67	10	422	3.03	17	5	ND	6	40	1	2	2	43	.38	.301	10	65	.72	187	.13	4	3.53	.04	.12	1	1
L1-925E	1	16	17	119	.6	50	8	908	2.52	13	5	ND	4	44	1	2	2	37	.30	.217	8	47	.48	225	.14	4	3.23	.04	.12	2	1
L1-950E	1	19	20	116	.3	40	9	989	2.79	20	5	ND	4	33	1	2	2	41	.24	.258	10	59	.59	190	.14	5	3.28	.04	.12	1	1
L1-975E	1	58	25	125	4.5	124	14	1227	3.90	188	5	ND	3	75	1	2	2	62	.56	.075	35	153	1.28	224	.13	3	3.67	.05	.18	1	39
L1-1000E	1	26	28	191	.9	97	12	1623	3.23	52	5	ND	4	77	1	2	2	44	.57	.274	11	89	.78	297	.13	6	2.77	.05	.12	1	1
L1-1025E	1	29	32	138	2.2	173	16	878	4.41	394	5	ND	6	59	1	2	2	63	.36	.075	17	154	1.32	177	.19	5	5.48	.05	.16	1	20
L1-1050E	2	19	26	198	.5	76	12	1508	3.48	26	5	ND	5	50	1	2	2	51	.34	.328	11	79	.77	334	.16	4	3.55	.05	.16	3	3
L1-1075E	1	29	27	118	.4	98	14	612	3.89	20	5	ND	6	41	1	2	2	67	.29	.115	20	106	1.50	245	.17	4	3.55	.04	.19	1	1
L1-1100E	1	17	20	208	.2	66	9	1313	2.91	13	5	ND	3	41	1	2	2	42	.28	.253	9	54	.62	314	.15	3	3.22	.04	.10	2	1
L1-1125E	1	20	19	168	.4	78	10	1099	3.05	16	5	ND	4	48	1	2	2	45	.30	.334	9	65	.77	379	.14	4	3.47	.04	.14	1	1
L1-1150E	1	17	21	203	.3	47	10	1475	3.07	11	5	ND	3	46	1	2	2	42	.33	.382	9	51	.59	362	.15	3	3.23	.04	.12	1	3
L1-1175E	1	20	25	139	.1	59	10	1048	3.25	14	5	ND	4	41	1	2	2	50	.34	.249	11	67	.82	283	.16	4	3.70	.04	.12	3	6
L1-1200E	1	15	37	121	.3	50	10	1357	3.15	15	5	ND	3	33	1	2	2	51	.25	.113	9	68	.73	166	.16	4	2.04	.04	.15	1	5
L1-1225E	1	25	27	160	.7	88	12	1099	3.59	82	5	ND	5	69	1	2	2	57	.47	.224	13	104	.95	297	.18	4	4.43	.05	.16	1	6
L1-1250E	1	44	42	134	1.5	123	13	981	3.70	75	5	ND	5	125	1	2	2	61	.99	.133	27	125	1.08	253	.17	4	4.45	.06	.19	1	1
L2-1225W	1	22	17	92	.3	47	5	876	2.25	3	5	ND	5	34	1	2	2	27	.26	.248	10	23	.29	267	.17	6	3.95	.04	.09	1	1
L2-1200W	1	21	21	119	.2	36	7	950	3.08	4	5	ND	4	37	1	2	3	37	.32	.306	12	39	.53	312	.15	5	3.00	.03	.09	1	10
L2-1175W	1	105	21	100	.4	90	14	613	3.87	3	5	ND	9	37	1	2	2	60	.36	.081	13	112	1.80	359	.28	5	4.05	.05	.28	1	1
L2-1150W	1	27	14	92	.1	93	7	443	2.66	4	5	ND	7	26	1	2	3	32	.21	.388	13	50	.50	255	.13	4	2.77	.03	.07	1	3
L2-1125W	1	91	14	82	.8	105	9	343	2.95	6	5	ND	9	25	1	2	2	37	.18	.165	16	54	.54	190	.16	5	4.04	.04	.07	1	24
L2-1100W	1	49	13	67	.8	74	6	543	2.46	4	5	ND	7	32	1	2	2	29	.28	.221	18	35	.34	249	.16	4	4.08	.05	.07	1	10
L2-1075W	1	59	10	69	.5	127	7	335	2.86	6	5	ND	6	45	1	2	3	32	.29	.268	17	52	.44	203	.12	3	2.68	.04	.09	2	10
L2-1050W	1	25	10	76	.4	73	6	405	2.12	4	5	ND	6	30	1	2	3	25	.21	.302	9	40	.33	331	.14	4	2.89	.04	.07	1	1
L2-1025W	1	26	14	67	.5	78	6	918	2.13	6	5	ND	6	29	1	2	2	26	.20	.210	12	29	.27	204	.16	4	4.13	.04	.07	1	1
L2-1000W	1	14	13	72	.3	172	9	176	2.57	4	5	ND	6	26	1	2	4	30	.15	.228	11	49	.40	156	.13	3	2.47	.04	.03	1	1
L2-975W	1	10	17	89	.1	156	10	335	2.54	9	5	ND	9	20	1	2	2	33	.15	.182	9	66	.53	147	.13	5	2.59	.03	.05	2	2
L2-950W	1	12	13	57	.3	137	9	313	2.39	4	5	ND	6	25	1	2	2	32	.18	.095	8	67	.40	145	.14	4	3.29	.04	.10	1	1
L2-925W	1	13	20	84	.2	169	11	364	2.85	10	5	ND	5	27	1	2	3	37	.16	.212	9	69	.51	186	.15	4	3.76	.04	.06	1	1
L2-900W	1	12	15	52	.2	161	10	429	2.68	6	5	ND	6	28	1	2	2	32	.22	.189	10	87	.56	153	.15	5	3.31	.04	.09	1	1
L2-875W	1	43	22	59	.4	222	13	247	2.74	3	5	ND	5	20	1	2	2	31	.15	.120	9	137	.99	134	.13	5	2.88	.04	.06	1	1
L2-850W	1	10	12	62	.1	128	10	773	2.43	3	5	ND	3	22	1	2	2	30	.16	.154	7	77	.49	189	.14	5	2.82	.04	.05	1	2
L2-825W	1	10	12	64	.2	366	26	497	4.09	6	5	ND	9	26	1	2	2	42	.29	.059	16	330	2.16	105	.10	8	1.14	.04	.06	2	1
L2-800W	1	7	15	48	.1	210	20	471	3.47	3	5	ND	6	18	1	2	2	41	.17	.052	17	259	1.14	85	.11	4	.95	.03	.03	1	1
STD C/AL-S	10	58	39	129	7.1	46	27	1018	3.95	37	18	7	37	49	17	19	20	56	.47	.085	37	58	.87	175	.08	33	1.87	.08	.13	12	50



SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MS %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPM
L2-775W	2	9	13	74	.5	201	14	495	3.21	2	5	ND	14	38	1	2	2	36	.23	.118	30	171	.90	155	.11	6	1.62	.04	.09	1	1
L2-750W	1	10	16	64	.5	261	9	177	2.83	7	5	ND	7	35	1	2	3	32	.16	.077	21	86	.49	135	.12	3	2.48	.04	.08	1	1
L2-725W	1	8	11	50	.3	125	8	190	2.50	4	5	ND	5	38	1	2	2	27	.23	.137	11	79	.45	111	.11	5	2.40	.04	.05	1	2
L2-700W	1	8	12	61	.1	162	12	301	3.54	7	5	ND	8	28	1	2	2	41	.17	.087	19	162	.79	114	.09	3	1.47	.05	.06	1	1
L2-675W	1	9	12	63	.5	94	7	487	2.46	2	5	ND	5	36	1	2	2	29	.22	.244	10	62	.35	220	.12	3	2.44	.04	.08	1	1
L2-650W	1	10	15	90	.1	233	9	539	2.64	2	5	ND	5	49	1	2	2	30	.21	.112	11	70	.47	261	.12	4	2.86	.04	.07	1	1
L2-625W	1	11	11	49	.3	209	10	315	2.75	2	5	ND	10	40	1	2	2	34	.27	.049	31	153	1.12	83	.09	7	1.43	.04	.07	1	1
L2-600W	1	15	19	67	.3	308	10	297	2.77	3	5	ND	7	44	1	2	2	35	.23	.024	22	103	.81	128	.10	3	2.20	.04	.08	1	1
STD C:PH-5	10	58	38	132	7.1	69	27	1033	4.05	42	22	7	41	40	18	19	21	57	.48	.086	37	60	.84	166	.08	34	1.91	.09	.14	14	52
L2-575W	1	21	18	93	.5	513	12	327	3.37	10	5	ND	10	57	1	2	2	39	.27	.131	11	82	.68	209	.16	5	5.36	.05	.11	2	1
L2-550W	1	10	13	63	.3	195	10	280	3.04	4	5	ND	9	46	1	2	2	39	.24	.039	24	137	.86	100	.10	3	1.51	.04	.08	1	1
L2-525W	1	13	13	78	.3	267	10	242	2.80	7	5	ND	9	53	1	2	2	40	.24	.033	17	84	.69	117	.12	3	2.55	.04	.08	1	2
L2-500W	1	11	15	73	.3	145	10	405	2.89	4	5	ND	9	44	1	2	2	37	.22	.133	17	71	.57	173	.13	3	2.83	.04	.09	2	1
L2-475W	1	10	16	68	.2	146	10	414	2.94	9	5	ND	7	38	1	2	2	35	.19	.192	13	76	.58	230	.12	4	2.52	.04	.07	1	2
L2-450W	1	14	16	76	.2	277	11	444	3.02	7	5	ND	8	72	1	2	2	38	.30	.042	24	104	.78	174	.12	4	2.53	.04	.10	1	1
L2-425W	1	13	13	63	.3	211	11	385	2.88	2	5	ND	8	37	1	2	2	40	.22	.033	24	103	.76	117	.11	5	1.64	.04	.07	1	1
L2-400W	1	10	14	68	.2	180	12	307	3.29	4	5	ND	10	36	1	2	2	45	.22	.056	17	104	.71	173	.12	4	2.11	.04	.10	1	1
L2-375W	1	14	14	110	.4	289	13	361	3.56	5	5	ND	7	37	1	2	2	43	.20	.153	17	114	.91	290	.11	4	2.85	.04	.11	1	1
L2-350W	1	10	14	81	.4	186	11	366	2.95	4	5	ND	7	36	1	2	2	38	.23	.089	15	85	.62	192	.12	4	2.45	.04	.10	1	1
L2-325W	1	10	17	98	.1	173	11	615	2.89	5	5	ND	6	47	1	2	2	54	.25	.236	12	75	.54	313	.12	3	2.50	.04	.09	1	13
L2-300W	1	13	14	114	.3	254	12	484	3.29	6	5	ND	6	36	1	2	2	42	.26	.105	17	113	.89	227	.13	4	2.69	.04	.10	1	1
L2-275W	1	14	21	121	.2	297	14	522	3.37	4	5	ND	7	45	1	2	2	41	.24	.148	17	115	.95	257	.12	3	2.80	.04	.10	1	3
L2-250W	1	11	13	68	.2	225	14	418	3.59	5	5	ND	9	41	1	2	2	47	.29	.095	23	148	1.15	132	.11	4	1.71	.04	.09	1	4
L2-225W	1	17	23	119	.6	385	14	379	3.63	7	5	ND	9	50	1	2	2	40	.24	.256	14	127	1.07	360	.14	5	3.89	.04	.12	1	1
L2-200W	1	9	12	95	.1	170	11	518	2.95	2	5	ND	5	30	1	2	2	38	.17	.061	13	133	.68	181	.11	4	1.63	.03	.08	1	1
L2-175W	1	16	24	124	.3	343	14	507	3.16	5	5	ND	5	51	1	2	2	40	.26	.077	14	132	1.06	233	.12	5	2.62	.05	.10	1	1
L2-150W	1	15	23	96	.2	271	16	917	3.08	6	5	ND	4	61	1	2	2	39	.33	.039	19	191	1.20	164	.10	3	1.48	.04	.08	1	1
L2-125W	1	20	22	108	.4	416	14	564	3.16	6	5	ND	7	60	1	2	2	38	.28	.091	24	135	1.11	288	.12	3	2.98	.05	.09	1	2
L2-100W	1	13	19	101	.1	204	14	709	3.10	5	5	ND	5	53	1	2	2	43	.29	.035	16	156	.92	198	.11	3	1.61	.04	.06	1	1
L2-75W	1	17	17	58	.4	218	13	417	3.30	8	5	ND	11	45	1	2	2	46	.34	.077	28	206	1.42	125	.11	7	1.51	.04	.09	1	1
L2-50W	1	14	21	118	.2	173	13	495	3.33	6	5	ND	6	44	1	2	2	47	.27	.070	16	133	.82	254	.13	3	2.05	.04	.09	1	1
L2-25W	2	33	29	180	.7	174	18	2534	3.92	9	5	ND	9	56	2	2	2	55	.31	.110	51	158	1.05	360	.12	4	2.45	.04	.14	1	150
L2-25E	1	15	17	121	.6	98	12	612	3.21	6	5	ND	9	39	1	2	2	43	.27	.270	16	82	.63	415	.13	5	2.49	.04	.11	1	10
L2-50E	1	16	27	119	.4	143	12	540	3.09	7	5	ND	7	21	1	2	2	42	.18	.189	14	97	.68	216	.13	4	2.53	.04	.08	1	1
L2-75E	1	19	10	85	.4	70	8	390	2.51	6	6	ND	8	22	1	4	2	35	.13	.172	13	49	.43	167	.16	3	3.79	.04	.06	1	1
L2-100E	1	19	12	104	.8	121	10	350	2.63	2	5	ND	10	33	1	2	2	37	.24	.153	18	70	.57	274	.15	3	3.13	.04	.09	1	1
L2-125E	1	15	28	141	.1	97	11	1184	3.05	5	5	ND	7	35	1	2	2	42	.40	.265	15	81	.72	371	.14	4	2.86	.04	.11	1	1

SAMPLE#	MO	CU	PB	ZN	AS	NI	CD	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AUI
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L2-150E	1	19	18	174	.3	89	14	1082	3.5*	7	5	ND	9	27	1	2	2	50	.18	.223	20	120	1.0*	487	.19	8	3.40	.04	.10	2	1
L2-175E	1	15	12	114	.6	96	8	874	2.37	6	5	ND	7	20	1	2	2	31	.16	.224	13	54	.44	359	.13	2	2.64	.04	.05	1	1
L2-200E	1	16	11	162	.9	76	7	907	2.31	12	5	ND	6	20	1	2	2	30	.14	.308	9	43	.37	339	.14	3	3.41	.04	.05	1	1
L2-225E	1	31	29	190	1.0	118	10	1594	3.02	15	5	ND	10	46	2	2	3	39	.25	.395	24	75	.48	556	.12	4	2.70	.04	.11	1	11
L2-250E	1	25	26	157	1.1	113	11	1176	2.90	12	5	ND	8	46	1	2	3	40	.27	.272	20	86	.66	482	.14	4	3.17	.04	.11	1	15
L2-275E	1	23	30	128	1.2	69	7	623	2.84	11	5	ND	13	33	1	2	3	35	.23	.500	24	41	.35	401	.13	4	2.75	.04	.08	1	1
L2-300E	1	30	30	109	1.7	136	10	267	3.44	18	5	ND	7	51	1	2	2	51	.28	.107	13	109	.78	302	.15	3	4.07	.04	.10	1	11
L2-325E	1	14	9	134	.4	59	8	716	2.36	7	5	ND	4	26	1	2	2	25	.19	.474	8	51	.42	350	.13	3	2.97	.04	.06	1	27
L2-350E	2	22	18	174	.4	124	13	954	3.53	14	5	ND	6	26	1	2	2	48	.20	.297	14	85	.83	280	.15	4	3.74	.04	.12	3	1
L2-375E	1	13	15	141	.2	64	10	721	2.87	11	5	ND	6	25	1	2	2	38	.17	.341	9	66	.58	264	.14	2	2.71	.04	.08	1	2
L2-400E	1	15	12	185	.2	63	7	817	2.34	14	5	ND	5	33	1	2	2	29	.22	.468	8	43	.38	314	.13	4	3.50	.04	.04	1	2
L2-425E	1	24	21	108	.8	125	14	769	3.39	14	5	ND	7	49	1	2	2	48	.27	.160	15	106	.93	221	.12	3	2.97	.04	.11	1	17
L2-450E	1	35	41	133	1.2	199	14	784	3.70	23	5	ND	7	95	1	2	2	51	.54	.117	23	132	1.02	399	.12	3	3.25	.05	.13	1	17
L2-475E	1	22	17	121	.6	139	10	559	2.84	9	5	ND	5	24	1	2	2	38	.18	.190	12	73	.63	234	.13	4	2.72	.04	.08	1	14
L2-500E	1	14	12	85	.3	68	7	556	2.41	10	5	ND	3	15	1	2	2	31	.11	.143	7	37	.29	170	.15	4	3.22	.03	.03	1	1
L2-525E	1	12	9	81	.2	72	6	734	2.07	5	5	ND	4	17	1	2	2	27	.12	.163	8	34	.23	155	.14	3	2.74	.04	.04	1	1
L2-550E	1	13	11	111	.3	55	6	1214	1.91	7	5	ND	4	22	1	2	2	25	.14	.275	6	28	.22	229	.13	3	2.38	.04	.06	1	3
L2-575E	1	14	9	85	.5	66	6	1427	1.76	7	5	ND	3	23	1	2	2	23	.16	.243	7	19	.18	181	.13	2	2.83	.04	.07	1	1
L2-600E	1	14	8	87	.5	34	5	601	1.97	9	5	ND	4	28	1	2	3	27	.17	.145	6	22	.22	178	.14	2	3.40	.04	.06	1	6
L2-625E	1	14	14	89	.6	30	6	1008	2.27	11	5	ND	4	19	1	2	4	32	.15	.265	6	29	.29	197	.14	2	3.01	.04	.06	1	5
L2-650E	1	14	15	128	.3	26	6	1479	2.20	15	5	ND	4	19	1	2	2	30	.14	.282	7	27	.26	213	.13	3	2.42	.04	.08	1	1
L2-675E	2	27	16	142	.8	133	11	874	3.48	15	5	ND	7	29	1	2	2	56	.19	.120	15	102	.76	246	.18	3	4.47	.05	.11	1	1
L2-700E	1	33	20	136	.9	102	10	673	3.23	21	5	ND	6	42	1	2	2	51	.32	.125	8	95	.75	207	.18	4	4.63	.05	.11	1	28
L2-725E	1	20	22	150	.6	49	9	977	2.93	9	5	ND	5	33	1	2	2	46	.23	.185	12	59	.64	313	.15	3	2.71	.04	.09	1	16
L2-750E	1	12	9	99	.5	17	6	1616	1.99	9	5	ND	4	25	1	2	2	25	.14	.383	5	18	.18	325	.14	3	2.73	.04	.04	1	1
L2-775E	1	18	11	112	1.0	52	10	534	2.94	8	5	ND	5	30	1	2	2	43	.23	.195	11	61	.66	152	.16	4	2.99	.04	.10	1	19
L2-800E	1	27	32	176	.8	56	10	753	3.01	17	5	ND	5	51	1	2	2	45	.34	.184	9	66	.70	216	.15	2	3.43	.05	.10	1	17
L2-825E	1	20	25	140	.6	39	8	889	2.48	11	5	ND	5	35	1	2	2	35	.22	.250	8	43	.38	291	.14	2	2.55	.04	.09	1	8
L2-850E	1	18	19	113	.4	80	11	477	3.33	16	5	ND	7	50	1	2	2	52	.43	.154	15	97	1.00	189	.16	2	2.29	.05	.14	1	8
L2-875E	1	20	29	133	.2	51	10	837	2.98	17	5	ND	4	68	1	2	2	44	.59	.26*	13	70	.74	341	.14	3	2.49	.05	.14	1	4
L2-900E	1	19	17	111	.6	58	9	680	2.73	26	5	ND	5	50	1	2	2	40	.40	.193	13	59	.57	219	.14	2	2.90	.05	.11	1	6
L2-925E	1	18	13	124	.4	50	8	801	2.62	17	5	ND	5	29	1	2	2	39	.20	.215	9	49	.46	223	.15	3	3.30	.05	.07	1	6
L2-950E	1	25	17	98	.5	98	11	365	3.44	25	5	ND	7	29	1	2	2	55	.26	.101	15	101	.99	173	.15	3	3.06	.04	.11	1	8
L2-975E	2	26	21	106	1.2	78	10	1043	3.24	155	7	ND	4	87	1	2	2	59	.57	.157	17	98	.69	288	.14	2	3.56	.06	.09	1	14
L2-1000E	2	29	22	128	1.4	121	12	886	3.57	111	5	ND	4	52	1	2	2	50	.45	.149	15	113	.95	158	.13	4	3.32	.05	.11	1	22
L2-1025E	1	24	15	148	1.3	100	12	845	3.36	145	5	ND	5	33	1	2	2	45	.24	.192	13	94	.81	158	.16	4	3.69	.05	.12	1	6
STD C/AU-S	1*	57	38	133	7.5	68	27	1037	4.09	42	18	6	39	50	18	17	22	57	.49	.057	37	59	.85	179	.08	32	1.84	.08	.14	12	52

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	HA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	Z	PPM	PPM	Z	PPM	Z	PPM	Z	Z	Z	PPM	PPB
L2-1050E	1	21	16	144	.7	71	11	512	3.00	37	5	ND	5	36	1	2	2	46	.29	.282	12	70	.69	192	.14	7	3.15	.04	.09	1	1
L2-1075E	1	18	14	121	.5	57	9	1118	2.74	25	5	ND	5	41	1	2	2	40	.29	.282	9	54	.60	234	.13	3	3.24	.04	.12	1	5
L2-1100E	1	15	20	200	.3	71	10	978	2.94	18	5	ND	6	63	1	2	2	44	.36	.234	10	62	.66	311	.14	3	2.99	.04	.12	1	7
L2-1125S	1	20	20	143	.5	59	10	1122	3.24	15	5	ND	5	46	1	2	2	52	.30	.205	10	62	.92	343	.16	4	3.28	.04	.18	1	1
L2-1150E	1	25	15	178	.5	54	9	1313	2.80	17	5	ND	6	32	1	2	2	40	.22	.470	12	52	.63	324	.14	3	3.81	.04	.11	1	1
L2-1175E	1	21	17	114	.5	57	10	1100	3.19	15	5	ND	6	38	1	2	2	50	.30	.205	13	64	.79	227	.16	5	3.75	.04	.12	1	1
L2-1200E	1	32	25	111	.8	98	13	454	3.50	55	5	ND	6	57	1	2	2	61	.40	.070	15	93	1.02	216	.17	4	4.07	.05	.14	1	1
L2-1225E	1	29	16	134	.4	86	13	555	3.45	24	5	ND	7	45	1	2	2	56	.32	.134	15	87	.93	181	.18	4	3.55	.05	.14	1	1
L2-1250E	1	17	13	147	.4	77	11	864	2.94	14	5	ND	5	34	1	2	2	39	.24	.434	8	73	.66	269	.14	3	3.37	.04	.11	1	1
L3-1225W	1	23	18	84	.1	78	6	828	2.07	7	5	ND	5	35	1	2	2	26	.31	.208	10	38	.37	262	.12	4	2.26	.04	.05	1	3
L3-1200W	1	218	13	92	.6	73	10	1042	2.90	9	5	ND	7	37	1	2	2	40	.31	.151	15	56	.75	244	.16	4	3.22	.04	.10	10	37
L3-1175W	1	124	14	98	.5	70	13	971	3.41	3	5	ND	7	44	1	2	2	51	.29	.081	13	90	1.29	397	.22	3	2.15	.04	.18	1	136
L3-1150W	1	131	20	72	.4	142	12	549	3.19	5	5	ND	10	31	1	2	2	42	.24	.103	21	82	1.93	197	.14	4	2.53	.04	.10	3	39
L3-1125W	1	54	14	67	.4	110	8	284	2.38	10	5	ND	7	24	1	2	2	31	.18	.153	13	41	.42	188	.15	5	3.50	.04	.07	3	3
L3-1100W	1	52	20	74	.4	104	8	715	2.43	10	5	ND	9	28	1	2	4	32	.19	.169	12	49	.39	208	.14	5	3.10	.04	.06	1	27
L3-1075W	1	99	32	102	.7	111	9	452	2.57	10	5	ND	7	34	1	2	2	33	.22	.268	13	54	.47	181	.14	4	3.38	.04	.11	1	6
L3-1050W	1	36	22	110	.4	186	10	603	2.48	6	5	ND	7	51	1	2	2	30	.28	.134	17	74	.62	239	.12	3	2.19	.04	.09	1	3
L3-1025W	1	34	19	74	.5	277	10	446	2.73	9	5	ND	11	59	1	2	2	32	.34	.063	23	89	.79	180	.13	3	2.81	.04	.09	2	1
L3-1000W	1	34	15	81	.4	250	9	327	2.55	2	5	ND	7	48	1	2	2	31	.25	.045	14	65	.66	148	.14	2	2.79	.05	.06	1	1
L3-975W	1	58	22	99	.9	398	9	788	3.05	12	5	ND	11	81	1	2	2	34	.44	.082	34	76	.68	228	.14	3	3.65	.05	.10	1	1
L3-950W	1	18	16	57	.3	174	7	276	2.49	11	5	ND	8	40	1	2	2	29	.24	.187	15	51	.37	159	.14	3	3.35	.04	.05	1	1
L3-925W	1	42	15	69	.6	337	9	559	3.10	8	5	ND	15	66	1	2	2	37	.36	.041	36	118	.84	145	.12	4	2.79	.04	.09	1	1
L3-900W	1	19	16	82	.3	299	9	173	2.73	5	5	ND	8	35	1	2	2	31	.21	.116	11	65	.45	141	.14	4	3.19	.04	.06	1	3
L3-875W	1	48	27	102	.9	303	11	704	3.46	27	6	ND	11	66	1	2	2	41	.38	.127	27	102	.89	229	.15	4	3.77	.05	.12	1	23
L3-850W	1	16	10	35	.5	205	11	280	3.51	7	5	ND	14	29	1	2	2	41	.28	.071	33	181	1.55	57	.09	5	.84	.03	.06	1	1
L3-825W	1	10	12	54	.3	122	10	173	2.46	5	5	ND	8	18	1	2	2	30	.12	.249	11	89	.56	121	.11	5	2.30	.03	.04	1	1
L3-800W	1	23	32	82	.5	309	20	850	3.17	9	5	ND	10	47	1	2	2	40	.37	.097	28	181	1.50	159	.10	8	1.65	.04	.11	1	1
L3-775W	1	15	18	71	.2	237	16	365	2.68	6	5	ND	6	37	1	2	2	36	.27	.098	17	189	1.45	143	.13	4	3.93	.04	.08	1	1
L3-750W	1	11	14	57	.2	158	11	557	2.99	3	5	ND	6	34	1	2	2	35	.24	.066	18	161	.75	172	.09	4	.99	.03	.04	1	4
L3-725W	1	11	17	56	.3	255	21	431	5.19	7	5	ND	9	27	1	2	2	69	.24	.075	25	259	1.34	91	.10	4	.95	.03	.06	2	1
L3-700W	1	11	14	74	.1	233	15	351	2.97	6	5	ND	5	25	1	2	2	34	.16	.127	11	192	1.14	165	.11	5	1.59	.04	.05	1	1
L3-675W	1	11	14	55	.3	244	16	372	4.13	7	5	ND	9	32	1	2	2	53	.20	.091	16	204	.97	124	.10	4	1.28	.03	.07	1	1
L3-650W	1	9	7	61	.3	175	11	212	3.01	6	5	ND	7	27	1	2	2	35	.15	.118	15	139	.78	133	.09	3	1.57	.03	.04	1	1
L3-625W	1	10	18	108	.2	83	8	612	2.19	9	5	ND	4	38	1	2	3	24	.13	.429	9	71	.28	435	.09	3	1.83	.03	.05	1	1
L3-600W	1	22	22	82	.6	285	12	463	3.16	19	5	ND	10	44	1	2	2	39	.24	.107	29	130	1.02	187	.11	3	2.42	.04	.09	1	1
L3-575W	1	13	13	76	.4	183	10	234	2.99	11	5	ND	8	28	1	2	3	35	.19	.276	13	80	.50	149	.13	3	3.58	.04	.07	2	1
STD C/AU-5	18	60	38	133	7.3	69	27	1023	3.98	41	22	7	37	49	18	17	20	56	.48	.087	37	58	.87	174	.08	32	1.28	.08	.13	11	48

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SP	CB	SE	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUT
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L3-550W	1	10	18	65	.3	193	0	398	2.49	5	5	ND	8	37	1	2	2	35	.21	.020	22	86	.74	106	.12	2	1.56	.04	.04	2	2
L3-525W	1	12	26	90	.4	194	10	502	2.87	5	5	ND	7	41	1	3	2	40	.23	.057	18	98	.86	160	.10	4	1.65	.04	.09	3	5
L3-500W	1	15	27	73	.3	213	12	750	2.72	8	5	ND	8	51	1	2	2	37	.28	.045	30	106	.92	148	.10	4	1.68	.04	.08	2	1
L3-475W	1	11	20	74	.5	244	10	307	2.67	3	5	ND	8	41	1	2	2	35	.23	.040	18	88	.70	209	.12	3	2.17	.04	.08	1	4
L3-450W	1	14	26	66	.4	220	13	587	3.42	6	5	ND	10	53	1	2	2	47	.33	.065	28	131	.95	159	.11	3	1.62	.04	.10	3	81
L3-425W	1	17	19	80	.4	321	13	408	3.05	10	5	ND	10	44	1	2	2	37	.25	.115	23	182	.97	179	.13	4	2.85	.04	.12	4	2
L3-400W	2	13	15	85	.5	160	10	322	2.90	9	6	ND	11	39	1	2	2	37	.25	.216	17	72	.55	213	.13	4	2.93	.04	.11	4	3
L3-375W	2	14	19	79	.3	216	10	406	2.75	7	5	ND	3	44	1	2	2	34	.22	.115	12	73	.59	251	.13	5	2.60	.04	.07	5	2
L3-350W	1	11	18	72	.4	168	10	324	2.63	7	5	ND	5	44	1	2	2	37	.26	.130	13	73	.53	190	.13	4	2.64	.04	.08	3	1
L3-325W	1	9	17	77	.3	136	9	681	2.41	3	5	ND	4	55	1	2	2	28	.25	.230	8	65	.45	292	.12	3	2.36	.04	.06	2	1
L3-300W	1	14	19	92	.6	283	13	377	3.01	10	8	ND	2	41	1	2	2	35	.21	.108	15	89	.68	284	.14	3	3.48	.04	.11	3	1
L3-275W	2	24	80	140	.5	232	11	774	2.76	11	5	ND	7	81	1	3	2	39	.44	.041	28	99	.78	261	.11	3	2.19	.05	.11	3	2
L3-250W	1	17	17	75	.4	216	10	477	2.57	6	5	ND	6	56	1	2	2	38	.27	.037	21	94	.76	155	.11	2	1.68	.04	.10	2	1
L3-225W	1	20	31	101	.7	214	12	669	2.44	9	5	ND	6	73	1	2	2	39	.38	.060	25	86	.75	238	.10	6	2.01	.04	.11	2	1
L3-200W	1	11	15	125	.3	163	11	634	2.87	4	5	ND	6	44	1	2	2	34	.28	.187	15	94	.57	378	.11	4	1.95	.04	.09	2	1
L3-175W	1	11	17	129	.1	132	11	1024	3.04	5	5	ND	6	50	1	4	2	37	.28	.274	14	83	.64	363	.11	4	2.22	.04	.10	2	1
L3-150W	2	15	16	111	.7	205	12	439	3.27	9	5	ND	11	24	1	2	2	41	.17	.293	16	90	.73	218	.13	6	3.23	.04	.11	3	1
L3-125W	2	16	21	90	.9	216	11	315	3.04	9	10	ND	10	36	1	2	2	41	.21	.110	14	78	.67	261	.15	3	3.42	.04	.12	5	1
L3-100W	1	18	21	192	.6	214	13	569	3.06	3	5	ND	9	43	1	2	2	39	.25	.135	16	100	.75	318	.14	3	3.05	.04	.11	1	1
L3-75W	2	29	23	124	1.1	201	15	429	3.16	11	5	ND	8	46	1	2	2	46	.25	.191	15	103	.94	337	.14	6	3.11	.04	.13	3	1
L3-50W	2	15	19	94	.5	174	13	422	3.43	7	5	ND	11	39	1	2	2	50	.30	.269	21	104	.95	256	.13	4	2.29	.04	.13	3	4
L3-25W	1	15	22	142	.8	148	12	592	3.17	8	5	ND	9	44	1	2	2	44	.31	.230	17	84	.67	392	.14	4	2.53	.04	.11	2	1
L3-25E	1	12	21	105	.5	122	12	815	3.56	3	5	ND	11	26	1	2	2	51	.21	.132	22	91	.82	251	.12	3	2.41	.03	.16	2	7
L3-50E	1	12	17	125	.3	95	10	872	3.30	3	5	ND	9	38	1	2	2	47	.27	.135	19	70	.66	308	.13	3	2.64	.03	.15	1	13
L3-75E	2	11	19	112	.6	99	10	965	2.85	5	5	ND	8	47	1	2	2	39	.30	.143	16	74	.53	287	.12	3	2.19	.04	.08	4	11
L3-100E	2	15	18	132	.5	68	9	1080	2.70	5	5	ND	10	41	1	2	2	38	.27	.317	17	61	.47	481	.12	3	2.37	.04	.09	1	4
L3-125E	1	25	21	105	1.1	144	11	652	2.93	6	5	ND	10	42	1	2	2	44	.22	.067	19	79	.71	369	.15	3	3.18	.04	.12	1	5
L3-150E	2	18	25	235	.6	89	11	2336	2.64	7	5	ND	6	33	2	2	2	33	.25	.384	16	61	.45	806	.12	3	2.24	.03	.09	2	13
L3-175E	2	18	22	121	.3	82	11	769	3.60	5	5	ND	13	26	1	2	2	56	.19	.166	25	74	.61	279	.13	4	2.33	.03	.08	1	65
L3-200E	1	16	19	121	.4	35	7	497	3.74	8	5	ND	22	35	1	2	2	59	.20	.207	23	66	.58	448	.13	3	1.85	.03	.08	2	7
L3-225E	1	14	22	97	.5	46	7	558	3.02	7	5	ND	13	20	1	3	2	45	.15	.182	19	47	.38	151	.13	2	2.18	.03	.08	2	1
L3-250E	2	17	18	160	.6	76	11	1910	2.78	5	5	ND	5	19	1	2	2	36	.12	.227	9	47	.49	434	.18	3	2.65	.04	.11	3	1
L3-275E	2	26	20	197	.7	73	11	2972	2.82	6	5	ND	6	29	2	2	2	38	.20	.264	15	57	.48	607	.15	3	3.10	.04	.09	1	1
L3-300E	2	20	24	255	.7	59	14	3592	3.08	4	5	ND	4	39	2	2	2	39	.30	.219	11	65	.62	713	.15	5	2.38	.04	.14	3	13
L3-325E	1	29	21	263	.7	129	13	846	3.02	5	5	ND	8	40	6	2	2	42	.25	.195	16	84	.73	497	.13	3	2.78	.04	.12	2	1
L3-350E	2	19	29	185	.4	70	14	1377	3.58	3	5	ND	8	22	1	2	2	50	.19	.295	15	84	.90	423	.18	4	2.84	.04	.14	3	3
STD C/AU-5	19	58	38	133	7.5	68	27	1042	4.04	42	22	7	39	50	18	18	22	57	.48	.087	38	60	.85	180	.08	33	1.81	.08	.14	14	48

SAMPLE#	MO	CU	PN	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	F	LA	CR	MS	BA	TI	B	AL	NA	K	W	AU1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	PPM	I	I	I	I	PPM	PPM
L3-375E	1	14	17	132	.4	82	10	75*	2.55	7	5	ND	5	15	1	2	2	33	.12	.21*	9	67	.61	209	.12	2	2.46	.03	.08	1	15
L3-525E	1	9	15	131	.1	73	9	430	2.51	2	5	ND	4	14	1	2	2	34	.12	.21*	9	67	.54	197	.13	2	1.70	.03	.05	1	12
L3-550E	1	11	17	151	.2	36	7	1005	2.33	7	5	ND	4	15	1	3	2	32	.12	.24*	8	34	.27	17*	.13	2	2.13	.03	.06	1	7
L3-575E	2	11	10	171	.3	48	6	1190	2.00	9	5	ND	4	24	1	2	2	25	.14	.22*	5	23	.22	276	.14	2	2.91	.03	.06	4	1
L3-600E	2	13	12	124	.4	32	7	890	2.01	7	5	ND	3	24	1	3	2	28	.17	.22*	6	27	.24	298	.14	3	3.09	.04	.06	1	1
L3-625E	1	14	50	122	.1	36	6	849	2.12	8	5	ND	2	24	1	2	2	30	.17	.24*	7	34	.37	234	.12	2	2.23	.03	.07	1	6
L3-650E	1	14	9	111	.4	42	6	990	1.96	9	5	ND	3	17	1	3	2	26	.13	.21*	6	28	.26	180	.14	3	3.37	.04	.06	1	1
L3-675E	1	13	16	133	.1	60	9	1543	2.54	4	5	ND	3	30	1	2	2	40	.23	.24*	6	61	.56	299	.13	2	1.79	.04	.10	1	1
L3-700E	1	19	20	146	.4	67	10	644	2.97	24	5	ND	4	39	1	2	2	50	.25	.24*	6	67	.67	199	.14	4	2.75	.04	.09	2	5
L3-725E	1	13	9	96	.2	25	6	1132	2.05	5	5	ND	3	27	1	2	2	28	.18	.25*	7	28	.24	200	.14	4	2.81	.04	.05	1	5
L3-750E	1	10	16	93	.1	12	5	1388	1.64	4	5	ND	2	41	1	2	2	20	.19	.24*	4	12	.13	231	.11	4	1.67	.03	.05	1	1
L3-775E	2	21	12	138	.1	46	10	1437	3.06	13	5	ND	4	56	1	2	2	46	.34	.24*	12	64	.86	306	.13	3	2.57	.04	.13	1	1
L3-800E	1	14	16	142	.3	25	7	1397	2.27	7	5	ND	3	70	1	2	2	32	.38	.24*	8	31	.36	344	.13	2	2.44	.04	.08	1	2
L3-825E	1	20	15	144	.5	47	10	950	2.79	12	5	ND	5	32	1	2	2	46	.28	.24*	12	53	.59	268	.16	2	2.79	.04	.11	1	5
L3-850E	1	14	13	123	.4	30	7	1262	2.08	5	5	ND	4	32	1	2	2	29	.26	.24*	6	27	.2*	243	.13	3	2.44	.04	.07	1	1
L3-875E	1	20	17	118	.4	51	9	577	2.67	10	5	ND	5	30	1	2	2	40	.23	.24*	12	48	.54	191	.16	2	3.37	.04	.08	1	1
L3-900E	1	22	32	194	.6	44	10	1379	2.96	25	5	ND	4	33	1	2	2	44	.26	.24*	11	52	.59	230	.14	3	2.68	.04	.08	1	1
L3-925E	2	16	68	359	1.0	51	10	2160	2.84	51	5	ND	4	3*	3	2	2	37	.27	.24*	7	54	.52	24*	.15	3	3.40	.04	.07	1	8
L3-950E	1	16	16	120	1.0	60	9	941	2.78	86	5	ND	4	32	1	3	2	40	.24	.24*	12	59	.60	149	.12	2	2.52	.04	.08	1	37
L3-975E	1	14	24	153	.4	60	9	1195	2.53	32	5	ND	3	34	1	2	2	35	.23	.24*	8	52	.53	165	.14	3	2.51	.04	.07	1	9
L3-1000E	1	16	24	162	1.6	70	10	1269	2.89	95	5	ND	3	34	1	2	2	42	.26	.24*	10	73	.76	214	.12	2	2.50	.04	.08	1	7
L3-1025E	2	19	26	151	.7	93	14	1368	3.26	21	5	ND	4	41	1	2	2	51	.33	.24*	13	65	.92	173	.15	3	2.91	.04	.11	1	1
L3-1050E	1	24	27	140	.5	100	15	643	3.74	17	5	ND	4	31	1	2	2	67	.25	.24*	11	90	1.04	167	.18	5	3.29	.04	.11	1	1
L3-1100E	1	19	17	107	.4	149	12	851	3.01	11	5	ND	4	31	1	2	2	47	.21	.24*	9	88	.85	217	.16	3	3.50	.04	.11	1	1
L3-1125E	1	15	18	105	.1	159	14	543	3.47	6	5	ND	4	36	1	2	2	55	.27	.24*	10	153	1.34	258	.16	5	2.62	.04	.14	1	1
L3-1150E	1	22	20	118	.5	133	13	642	3.16	4	5	ND	5	53	1	2	2	4*	.33	.24*	13	121	1.04	230	.16	4	3.08	.05	.16	1	2
L3-1175E	1	21	17	113	.5	108	12	749	3.2*	12	5	ND	6	34	1	2	2	51	.29	.24*	13	97	1.01	232	.18	4	3.31	.05	.16	1	5
L3-1200E	1	20	24	174	1.0	105	15	1477	3.59	11	5	ND	3	69	1	2	2	61	.54	.24*	15	103	1.15	168	.14	4	2.96	.05	.14	1	13
L3-1225E	1	16	17	133	.2	71	10	746	3.02	10	5	ND	4	37	1	2	2	45	.29	.24*	8	70	.71	187	.16	3	3.03	.05	.08	1	1
L3-1250E	1	21	17	86	.3	103	13	550	3.48	13	5	ND	5	52	1	2	2	59	.37	.24*	16	106	1.18	207	.17	3	3.07	.05	.16	1	45
L4-1225W	1	22	14	78	.3	121	8	745	2.27	5	5	ND	6	28	1	2	2	29	.23	.24*	11	44	.44	220	.13	4	2.44	.04	.07	1	2
L4-1200W	1	35	17	72	.5	136	10	356	2.56	5	6	ND	8	24	1	2	2	32	.18	.24*	16	48	.54	195	.16	5	3.61	.04	.06	1	22
L4-1175W	2	25	16	80	.4	623	31	584	3.44	8	5	ND	5	33	1	2	2	33	.21	.24*	11	192	1.35	244	.12	6	2.42	.04	.08	1	6
L4-1150W	1	27	15	73	.3	424	21	578	2.96	6	5	ND	5	36	1	2	2	32	.27	.24*	12	98	.82	224	.13	5	2.38	.04	.09	1	1
L4-1125W	1	47	12	84	.4	185	15	1002	2.97	10	5	ND	5	60	1	2	2	31	.46	.24*	20	80	.71	217	.12	4	2.59	.05	.09	1	1
STD C/PU-S	20	58	40	132	7.6	70	26	1070	4.12	44	23	7	40	52	19	17	19	5*	.50	.24*	3*	61	.90	195	.08	34	1.87	.09	.15	11	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AS PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	SU PPM	TH PPM	SR PPM	CO PPM	SO PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MS %	BA PPM	TI %	Z PPM	CL %	NA %	K %	V PPM	AUX PPB
L4-1100W	2	58	19	92	.5	249	14	1953	2.92	14	5	ND	6	37	1	2	2	33	.24	.070	16	92	.76	297	.11	3	2.23	.04	.09	2	12
L4-1075W	1	45	17	81	.7	154	12	757	2.49	9	5	2	7	41	1	2	2	27	.26	.251	11	62	.47	245	.14	4	2.34	.05	.08	1	3
L4-1050W	1	71	20	71	.6	146	10	619	2.55	11	5	ND	3	44	1	2	2	30	.30	.174	13	54	.47	220	.14	4	2.32	.05	.07	1	3
L4-1025W	1	58	16	96	.7	170	10	605	2.53	11	5	ND	7	54	1	2	2	32	.31	.224	13	56	.44	252	.13	4	2.31	.04	.08	2	13
L4-1000W	1	104	12	54	.5	139	13	400	3.59	11	5	ND	11	44	1	2	2	46	.29	.083	23	121	.91	125	.10	2	1.41	.04	.11	4	53
L4-975W	1	48	30	110	.5	257	10	791	2.92	7	5	ND	9	49	1	2	2	34	.25	.187	20	43	.53	282	.15	3	2.19	.05	.09	1	3
L4-950W	1	37	26	101	.8	281	11	245	3.40	7	5	ND	12	48	1	2	2	40	.29	.173	14	34	.64	220	.15	3	2.73	.04	.12	2	1
L4-925W	1	18	15	67	.5	139	7	162	2.45	4	5	ND	8	33	1	2	2	29	.17	.169	11	46	.54	149	.14	2	2.28	.04	.07	1	81
L4-900W	1	36	18	75	.4	319	9	269	2.91	7	5	ND	11	61	1	2	2	36	.29	.057	21	91	.70	229	.14	2	2.23	.05	.08	1	1
L4-875W	1	41	24	81	.6	252	11	539	5.35	9	5	ND	12	60	1	2	2	45	.35	.073	25	114	.89	167	.14	3	2.20	.04	.10	1	7
L4-850W	1	18	20	65	.7	180	9	266	2.91	6	5	ND	11	43	1	2	3	35	.22	.123	16	71	.44	163	.15	2	2.15	.04	.08	1	2
L4-825W	1	38	34	112	1.1	280	12	810	3.46	12	8	ND	11	89	1	2	2	44	.51	.125	33	119	.69	254	.15	4	3.66	.05	.12	1	1
L4-800W	1	13	11	57	.5	95	7	188	2.25	8	5	ND	6	29	1	2	2	28	.16	.176	9	46	.28	126	.11	2	2.47	.03	.05	1	1
L4-775W	1	11	15	76	.3	74	5	595	1.91	11	5	ND	4	31	1	2	2	23	.19	.225	6	26	.20	185	.12	3	2.23	.03	.05	1	1
L4-750W	1	10	8	84	.1	83	8	418	2.24	6	5	ND	6	24	1	2	2	28	.14	.266	9	53	.33	189	.12	2	1.92	.03	.05	1	2
L4-725W	1	9	16	56	.5	108	8	236	2.46	8	5	ND	9	27	1	2	2	30	.17	.211	9	55	.34	134	.13	2	2.79	.03	.06	1	1
L4-700W	2	9	15	40	.7	100	13	956	2.48	17	5	ND	8	52	1	2	2	34	.27	.033	16	59	.37	163	.12	2	2.47	.05	.03	1	1
L4-675W	1	16	19	85	.8	449	15	276	3.12	10	5	ND	9	43	1	2	2	38	.23	.069	19	144	1.01	242	.13	4	2.39	.05	.09	1	1
L4-650W	1	9	15	52	.3	215	12	331	3.45	6	5	ND	10	27	1	2	2	44	.16	.163	16	169	.72	133	.10	3	1.71	.03	.05	3	1
L4-625W	1	9	18	61	.2	158	13	374	3.21	5	5	ND	12	23	1	2	2	41	.16	.081	18	159	.82	111	.09	3	1.13	.05	.05	1	4
L4-600W	1	10	16	78	.3	190	15	459	3.37	6	5	ND	7	32	1	2	2	39	.22	.168	17	171	1.08	169	.10	4	1.57	.04	.03	1	2
L4-575W	1	16	17	91	.4	301	13	317	3.20	10	5	ND	11	40	1	2	2	39	.21	.085	19	110	.78	188	.15	4	3.58	.04	.10	1	1
L4-550W	1	10	16	87	.1	311	21	615	3.42	5	5	ND	6	36	1	2	2	33	.19	.246	11	238	1.28	251	.11	8	2.91	.04	.08	1	1
L4-525W	1	13	19	67	.3	409	26	415	4.15	5	5	ND	5	34	1	2	2	42	.22	.117	12	336	2.45	151	.11	8	1.62	.04	.07	1	1
L4-500W	1	15	28	98	.3	184	17	1391	2.90	5	5	ND	4	50	1	2	2	36	.28	.099	11	149	.95	341	.11	4	1.35	.04	.08	1	1
L4-475W	1	9	16	48	.3	160	9	621	2.96	5	5	ND	8	33	1	2	2	35	.19	.147	15	129	.54	209	.11	3	1.70	.03	.06	1	1
L4-450W	1	10	15	60	.3	154	10	342	3.02	4	5	ND	8	29	1	2	2	37	.20	.129	18	105	.75	151	.11	4	1.91	.04	.06	1	2
L4-425W	1	13	17	54	.6	137	11	279	3.01	10	8	ND	11	48	1	2	2	37	.27	.075	21	91	.62	160	.15	4	3.25	.05	.10	2	1
L4-400W	1	9	16	75	.1	210	13	366	3.37	5	5	ND	9	42	1	2	2	42	.27	.106	17	129	.71	195	.12	4	1.91	.03	.10	1	2
L4-375W	1	7	15	48	.3	142	10	278	3.27	3	5	ND	8	31	1	2	2	44	.19	.020	16	154	.66	82	.10	2	.37	.03	.06	1	2
L4-350W	1	14	19	69	.4	250	10	293	2.89	7	5	ND	10	30	1	2	2	40	.19	.037	21	98	.75	115	.12	3	1.57	.04	.08	1	1
L4-325W	1	10	19	119	.3	217	10	355	2.73	8	5	ND	5	40	1	2	2	35	.21	.201	10	69	.52	264	.12	3	2.52	.03	.09	1	2
L4-300W	1	10	21	99	.2	186	11	499	2.98	7	5	ND	7	34	1	2	2	38	.20	.182	13	85	.56	227	.12	4	2.17	.03	.08	1	1
L4-275W	1	10	16	66	.5	224	14	273	3.77	4	5	ND	10	35	1	2	2	53	.23	.054	23	142	1.16	124	.11	3	1.49	.03	.08	1	2
L4-250W	1	10	17	86	.3	113	3	435	2.48	10	5	ND	6	24	1	2	2	31	.15	.239	10	45	.33	196	.13	3	2.37	.03	.05	1	1
L4-225W	1	10	17	78	.3	126	3	440	2.55	8	5	ND	7	31	1	2	2	35	.16	.239	10	50	.38	230	.14	4	3.38	.04	.07	1	1
STD C/AU-5	19	59	41	134	7.3	70	29	1048	4.06	41	21	7	39	51	18	17	20	58	.48	.088	38	60	.85	182	.08	33	1.32	.08	.13	10	48

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L4-200N	1	13	12	88	.4	149	9	376	2.51	10	5	ND	7	26	1	2	2	34	.19	.176	13	61	.51	221	.13	6	3.11	.04	.08	2	1
L4-175N	1	11	24	133	.3	97	10	1174	2.73	7	5	ND	5	45	1	2	2	35	.23	.229	13	65	.49	290	.12	4	2.16	.03	.10	1	1
L4-150N	1	15	16	107	.2	138	11	652	3.08	6	5	ND	8	21	1	2	2	40	.16	.108	18	92	.63	200	.15	4	2.90	.03	.09	1	1
L4-125N	1	13	16	90	.3	137	11	530	3.04	7	5	ND	9	23	1	2	2	40	.19	.152	17	86	.67	199	.13	4	2.55	.03	.09	1	1
L4-100N	1	10	20	112	.3	104	9	885	2.25	7	5	ND	4	37	1	2	2	28	.23	.190	10	48	.35	301	.11	3	2.11	.03	.07	1	3
L4-75N	1	12	17	84	.3	164	13	736	3.04	4	5	ND	5	31	1	2	2	42	.21	.104	16	90	.77	299	.13	4	2.26	.04	.08	1	1
L4-50N	1	12	17	106	.2	120	11	677	2.94	4	5	ND	8	22	1	2	2	38	.19	.204	15	90	.64	272	.14	4	2.57	.04	.09	1	4
L4-25N	1	17	30	111	.3	111	12	1123	2.73	4	5	ND	8	65	1	2	2	39	.39	.295	20	96	.76	448	.15	3	2.29	.04	.13	1	1
L4-25E	1	10	19	95	.1	97	9	1208	2.80	3	5	ND	10	32	1	2	2	39	.24	.137	17	68	.52	276	.13	2	2.05	.04	.08	1	1
L4-50E	1	15	21	92	.7	62	8	661	2.95	3	5	ND	16	32	1	2	2	44	.25	.151	24	53	.52	240	.15	2	2.98	.04	.10	1	18
L4-75E	1	15	17	145	.5	77	8	1467	2.41	5	5	ND	9	39	1	2	2	32	.24	.329	15	39	.36	430	.13	4	2.47	.04	.09	1	148
L4-100E	1	15	24	95	.3	60	8	908	2.48	5	5	ND	6	52	1	2	2	32	.29	.332	14	40	.34	401	.13	3	2.45	.04	.08	1	7
L4-125E	1	19	34	153	.4	95	13	1663	3.04	5	5	ND	7	55	1	2	2	43	.28	.217	15	78	.73	548	.15	3	2.68	.04	.12	1	24
L4-150E	1	31	35	170	.4	93	16	646	4.83	10	5	ND	10	24	1	2	2	77	.16	.114	18	150	1.56	342	.23	3	3.93	.03	.19	1	9
L4-175E	1	16	22	103	.3	56	10	2923	3.01	5	5	ND	1	17	1	2	2	44	.09	.105	13	63	.40	149	.07	3	1.51	.02	.08	1	1
L4-200E	1	18	21	110	.9	107	10	2115	2.59	6	5	ND	6	20	1	2	2	36	.13	.100	15	52	.43	235	.16	3	3.13	.04	.07	2	17
L4-225E	1	15	15	133	.4	70	10	1689	2.60	4	5	ND	4	19	1	2	2	36	.16	.203	11	62	.53	426	.15	2	2.78	.04	.06	2	1
L4-250E	1	18	19	131	.5	77	10	1330	2.95	8	5	ND	6	21	1	2	2	43	.17	.257	12	57	.65	381	.16	3	3.63	.04	.11	1	7
L4-275E	1	17	14	129	.6	56	10	1274	2.57	5	5	ND	7	23	1	2	2	36	.14	.163	16	47	.56	414	.14	2	2.91	.03	.10	1	46
L4-300E	1	17	20	126	.4	144	16	973	3.50	8	5	ND	9	21	1	2	2	49	.15	.106	18	114	.89	271	.15	3	2.76	.03	.11	1	15
L4-325E	1	17	24	124	.5	83	10	820	2.46	7	5	ND	5	19	1	2	2	34	.13	.252	11	54	.43	269	.15	2	3.30	.04	.07	1	12
L4-350E	1	15	20	184	.7	136	15	1104	3.26	10	7	ND	8	19	1	2	2	42	.15	.228	14	99	.73	281	.15	2	3.09	.03	.09	1	1
L4-375E	1	16	30	189	.4	101	14	1679	3.00	9	5	ND	5	17	1	2	2	40	.12	.221	13	80	.66	312	.14	3	2.84	.03	.09	2	8
L4-400E	1	16	15	115	.8	69	10	1050	2.62	3	5	ND	5	20	1	2	2	36	.12	.239	11	60	.53	298	.15	2	2.90	.03	.09	1	11
L4-425E	1	16	19	93	.3	118	10	633	2.71	9	5	ND	6	37	1	2	2	37	.19	.145	13	83	.57	208	.12	3	2.31	.03	.08	2	8
L4-450E	1	13	20	126	.3	89	11	1065	2.70	8	5	ND	5	28	1	2	2	36	.21	.228	11	66	.52	343	.13	2	2.50	.03	.09	1	15
L4-475E	1	13	17	107	.2	137	12	596	2.99	5	5	ND	8	20	1	2	2	42	.17	.173	12	76	.79	172	.15	2	2.66	.03	.08	1	7
L4-500E	1	10	23	95	.1	79	9	1082	2.68	5	5	ND	5	14	1	2	2	38	.11	.111	11	61	.43	168	.14	3	1.97	.03	.06	1	1
L4-525E	1	13	19	109	.3	66	8	1782	2.40	11	5	ND	6	23	1	2	2	34	.15	.127	10	40	.34	252	.13	2	2.81	.03	.06	2	1
L4-550E	1	18	22	153	.6	68	10	730	2.78	6	5	ND	5	15	1	2	2	42	.12	.110	9	49	.49	169	.17	2	3.51	.03	.06	1	6
L4-575E	1	16	21	146	.4	54	9	1545	2.36	6	5	ND	5	21	1	2	2	34	.14	.139	8	27	.39	209	.16	2	3.31	.04	.05	1	4
L4-600E	1	14	14	128	.3	29	7	1556	2.95	3	5	ND	4	16	1	2	2	29	.12	.293	8	27	.29	293	.15	2	2.36	.03	.05	1	45
L4-625E	1	23	27	173	.1	66	13	1049	3.14	11	5	ND	5	29	1	2	2	49	.23	.211	12	88	.94	282	.19	3	2.89	.04	.11	1	11
L4-650E	1	14	25	126	.2	53	9	1256	2.59	5	5	ND	4	27	1	2	2	41	.20	.175	9	49	.49	211	.14	3	2.95	.04	.07	3	1
L4-675E	1	17	17	99	.2	41	9	991	2.71	6	5	ND	5	20	1	2	2	42	.13	.114	9	36	.43	165	.17	2	3.39	.04	.07	1	6
L4-700E	1	20	37	137	.2	31	9	1378	2.99	9	5	ND	2	29	1	2	2	48	.21	.149	9	29	.54	165	.13	2	2.30	.03	.10	1	12
STD C/M-5	18	59	39	136	7.1	68	29	1066	4.00	37	21	8	39	50	18	18	17	58	.48	.096	29	59	.87	178	.08	33	1.92	.09	.14	13	51

SAMPLE	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	NA	K	W	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L4-72SE	1	19	20	147	.3	39	8	1024	2.66	7	5	ND	5	41	1	2	2	38	.23	.372	7	46	.47	227	.16	3	3.50	.04	.09	1	1
L4-75SE	2	15	17	149	.3	34	9	1692	2.29	5	5	ND	5	29	1	2	2	43	.19	.210	9	37	.44	255	.17	2	3.02	.04	.10	1	1
L4-77SE	2	16	16	128	.2	29	7	1329	2.45	14	5	ND	5	42	1	2	2	36	.26	.271	7	26	.32	230	.17	3	3.69	.05	.08	3	11
L4-80SE	1	19	19	118	.1	32	8	1137	2.31	14	5	ND	4	20	1	2	2	43	.21	.276	10	42	.50	199	.16	2	3.19	.04	.07	1	1
L4-82SE	1	21	15	134	.6	65	12	878	3.01	19	5	ND	6	58	1	2	2	50	.46	.214	15	69	.82	369	.19	3	3.11	.05	.15	3	1
L4-85SE	1	16	23	211	.8	31	8	1290	2.41	13	5	ND	4	40	2	3	2	32	.24	.411	9	31	.34	433	.14	2	2.66	.04	.08	1	4
L4-87SE	1	18	20	113	.8	48	8	699	2.85	33	5	ND	13	37	1	2	2	44	.31	.150	9	42	.44	178	.18	3	3.32	.05	.08	1	1
L4-90SE	1	17	15	118	.6	34	8	840	2.59	19	5	ND	5	34	1	2	2	38	.28	.181	9	37	.38	235	.16	4	3.40	.04	.07	2	6
L4-92SE	1	16	14	122	.2	51	8	876	2.66	23	5	ND	5	33	1	2	2	40	.23	.186	9	50	.49	193	.16	3	3.14	.04	.08	1	5
L4-95SE	1	20	20	105	.4	112	12	804	3.68	26	5	ND	6	23	1	2	2	60	.19	.114	11	107	1.92	160	.16	3	3.14	.04	.09	1	4
L4-97SE	1	25	19	115	.7	95	11	556	3.29	28	5	ND	7	33	1	2	2	53	.23	.999	13	90	.96	187	.19	3	3.51	.04	.10	1	2
L4-100SE	2	20	22	135	.8	90	11	883	3.14	34	5	ND	6	26	1	2	2	48	.20	.154	9	72	.74	145	.17	3	4.19	.04	.08	1	1
L4-102SE	1	20	24	104	.6	126	15	963	3.54	25	5	ND	6	43	1	2	2	59	.37	.087	17	115	1.18	156	.17	4	3.22	.05	.12	2	39
L4-105SE	2	25	25	104	.4	151	15	777	4.06	28	5	ND	6	27	1	2	2	71	.27	.114	15	131	1.35	154	.17	5	3.32	.04	.14	2	1
L4-110SE	2	19	26	116	.2	67	14	897	3.54	15	5	ND	4	45	1	2	2	59	.25	.130	10	64	.75	178	.17	3	3.34	.04	.11	3	7
L4-112SE	1	23	24	144	.4	181	19	992	3.94	9	5	ND	5	46	1	2	2	61	.38	.197	11	157	1.43	282	.18	3	3.57	.05	.13	1	16
L4-115SE	1	20	27	149	.3	106	16	2179	3.38	13	5	ND	4	36	1	2	2	52	.29	.251	12	88	.91	347	.15	4	3.15	.04	.12	1	2
L4-117SE	1	28	37	161	.3	55	11	786	3.34	22	5	ND	5	30	1	2	2	56	.22	.188	10	53	.73	202	.17	3	3.92	.04	.14	1	2
L4-120SE	2	26	29	167	.4	65	12	3067	3.20	11	5	ND	5	47	2	2	2	53	.30	.258	11	60	.69	453	.16	4	3.39	.05	.13	2	4
L4-122SE	1	25	32	165	.2	57	14	2139	3.32	11	5	ND	4	56	1	2	2	55	.25	.157	11	53	.67	298	.16	4	2.94	.05	.12	1	9
L4-125SE	1	21	18	150	.4	50	9	1044	2.70	13	5	ND	5	34	3	2	2	40	.22	.154	10	36	.43	219	.18	2	4.23	.05	.07	1	2
L5-122SW	1	56	21	92	.5	368	17	434	3.97	11	5	ND	14	38	1	2	2	49	.27	.096	28	133	1.34	171	.14	3	2.89	.04	.11	1	9
L5-120SW	1	25	15	84	.5	123	10	524	2.56	8	5	ND	8	30	1	2	2	31	.23	.145	17	56	.52	188	.15	5	3.33	.05	.07	1	1
L5-117SW	1	36	19	101	.6	198	15	596	3.31	10	5	ND	15	45	1	2	2	40	.36	.132	22	101	.97	238	.14	5	3.12	.04	.13	1	2
L5-115SW	2	38	19	104	.3	168	15	1140	3.02	7	5	ND	7	39	1	2	2	36	.31	.153	23	93	.90	285	.13	5	3.01	.04	.11	1	2
L5-112SW	1	49	25	103	.3	261	14	835	3.35	8	5	ND	9	54	1	2	2	40	.34	.115	26	94	.94	234	.14	5	3.04	.05	.12	3	9
L5-110SW	2	39	24	129	.2	307	12	1248	3.96	9	5	ND	8	62	1	2	2	34	.35	.256	18	73	.63	352	.14	5	3.23	.05	.09	1	3
L5-107SW	1	49	25	106	.5	429	12	664	3.28	6	5	ND	13	89	1	2	2	37	.55	.054	28	84	.80	281	.15	4	3.87	.06	.12	1	1
L5-105SW	2	83	31	130	.9	452	13	767	3.33	16	5	ND	16	104	1	2	2	38	.54	.080	42	100	.93	317	.18	3	5.10	.06	.14	2	3
L5-102SW	2	67	25	125	.7	696	13	856	3.78	12	5	ND	14	103	1	2	2	38	.61	.094	50	104	.95	272	.17	6	4.98	.06	.13	2	1
L5-100SW	1	40	13	97	.8	350	11	785	2.89	9	5	ND	9	68	1	2	2	31	.35	.224	16	72	.54	257	.15	6	3.47	.06	.10	1	9
L5-97SW	1	65	19	97	.4	508	13	599	3.25	11	5	ND	12	48	1	2	2	35	.24	.161	23	99	.91	232	.16	6	4.11	.05	.14	1	3
L5-95SW	2	61	22	109	.6	509	12	588	3.23	7	5	ND	12	73	1	2	2	39	.41	.044	31	109	1.06	179	.16	4	3.37	.06	.12	2	10
L5-92SW	1	62	19	91	.8	277	11	519	3.33	3	5	ND	11	67	1	2	2	44	.38	.040	31	97	.91	179	.15	4	2.75	.05	.11	2	5
L5-90SW	1	76	21	93	.1	299	12	372	3.47	13	5	ND	9	58	1	2	2	40	.31	.215	17	87	.83	219	.13	3	3.20	.04	.12	3	17
L5-87SW	1	27	16	67	.5	134	7	640	2.48	9	5	ND	7	49	1	2	2	32	.29	.213	13	35	.33	202	.17	3	4.58	.05	.07	2	1
STD C/AU-3	19	57	40	134	7.3	68	27	1041	4.02	39	17	7	38	50	18	17	21	58	.48	.038	38	59	.87	179	.08	33	1.92	.08	.13	12	51



SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	S	SI	TM	SR	CD	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	VA	K	4	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
LS-350W	1	44	23	191	.4	286	12	593	3.56	3	5	ND	13	56	1	2	2	48	.32	.051	30	111	.79	191	.15	2	3.47	.94	.12	2	1
LS-825W	1	32	16	114	.3	315	10	625	2.37	4	5	ND	9	42	1	2	2	35	.19	.164	19	67	.59	172	.13	3	3.28	.94	.08	1	1
LS-300W	1	23	16	195	.2	131	10	765	2.31	9	5	ND	7	34	1	2	2	37	.23	.147	13	75	.67	196	.13	2	2.65	.94	.08	1	2
LS-775W	1	26	22	99	.7	234	11	613	3.14	11	5	ND	12	61	1	2	2	41	.25	.104	21	104	.38	225	.14	4	3.22	.95	.13	1	1
LS-750W	1	15	20	76	.3	272	13	403	3.00	2	5	ND	9	45	1	2	2	38	.23	.034	19	150	1.02	149	.13	3	2.23	.94	.10	1	1
LS-725W	1	22	19	70	.1	665	11	585	2.69	2	5	ND	11	65	1	2	2	35	.33	.021	19	123	1.06	159	.14	3	2.65	.95	.08	2	1
LS-700W	1	9	14	63	.3	130	9	216	2.47	3	5	ND	5	29	1	2	2	32	.16	.229	8	63	.37	158	.13	4	2.85	.93	.06	1	1
LS-675W	1	11	14	70	.2	157	10	258	2.76	6	5	ND	7	20	1	2	2	36	.15	.133	10	96	.61	211	.13	4	2.97	.95	.04	1	4
LS-650W	1	9	11	65	.1	138	10	541	2.71	2	5	ND	8	23	1	2	2	33	.18	.107	13	125	.73	154	.09	4	1.25	.93	.04	1	1
LS-625W	1	11	19	77	.1	270	14	321	2.21	11	5	ND	6	56	1	2	2	33	.20	.048	11	135	.93	192	.12	4	2.74	.94	.06	1	1
LS-600W	1	10	24	76	.1	154	11	990	2.41	4	5	ND	5	31	1	2	2	29	.19	.195	9	103	.59	268	.10	4	1.92	.94	.06	1	2
LS-575W	1	10	14	94	.1	91	8	154	2.35	3	5	ND	4	14	1	2	2	26	.10	.257	7	55	.20	211	.14	2	3.00	.93	.02	1	2
LS-550W	1	23	21	117	.3	719	21	522	3.58	5	5	ND	8	32	1	2	2	39	.20	.125	18	208	1.91	219	.12	4	3.76	.94	.08	1	1
LS-525W	2	31	43	115	1.0	588	23	876	3.66	26	5	ND	5	113	1	2	2	44	.64	.067	38	225	2.09	251	.09	6	2.88	.94	.11	1	2
LS-500W	1	11	10	100	.2	83	9	988	2.33	7	5	ND	3	28	1	2	2	24	.18	.395	8	66	.37	346	.12	2	2.40	.93	.05	1	1
LS-475W	1	9	10	73	.1	116	9	515	2.50	10	5	ND	5	26	1	2	2	31	.16	.235	8	79	.48	320	.12	3	2.54	.93	.05	1	1
LS-450W	1	8	12	57	.1	129	10	495	2.59	7	5	ND	4	24	1	2	2	33	.16	.144	10	97	.49	114	.11	4	2.11	.93	.03	1	1
LS-425W	1	10	14	74	.1	195	13	477	2.97	2	5	ND	8	51	1	2	2	33	.25	.253	13	155	.85	239	.10	4	1.95	.94	.06	3	2
LS-400W	1	10	16	72	.1	192	13	478	2.96	6	5	ND	7	49	1	2	2	35	.22	.190	12	119	.71	222	.11	3	2.01	.93	.06	1	1
LS-375W	1	10	15	81	.1	152	9	400	2.44	11	5	ND	6	55	1	2	2	27	.25	.382	9	54	.50	354	.13	3	2.74	.94	.07	1	1
LS-350W	1	16	17	92	.3	267	12	671	2.90	9	5	ND	6	49	1	2	2	36	.21	.082	22	89	.68	240	.13	4	2.73	.94	.10	1	1
LS-325W	1	14	20	102	.1	222	12	561	2.34	12	5	ND	6	52	1	2	2	33	.24	.272	15	90	.61	233	.12	4	2.63	.94	.10	1	1
LS-300W	1	19	18	106	.2	274	13	601	3.07	11	5	ND	7	57	1	2	2	39	.28	.081	23	105	.90	223	.13	3	2.48	.94	.12	2	2
LS-275W	1	27	19	88	.8	230	14	494	3.54	14	5	ND	9	66	1	2	2	53	.35	.035	27	137	1.18	248	.14	3	2.71	.94	.12	2	2
LS-250W	1	37	25	97	1.0	254	17	777	3.87	15	5	ND	10	84	1	2	2	57	.42	.046	41	151	1.34	346	.15	4	3.42	.94	.14	1	1
LS-225W	1	35	32	122	1.0	325	15	790	3.49	17	5	ND	7	87	1	2	2	48	.44	.057	34	136	1.31	296	.13	4	3.19	.95	.15	1	1
LS-200W	1	36	25	90	.6	314	14	550	3.45	28	5	ND	9	61	1	2	2	52	.35	.038	36	152	1.51	199	.14	3	2.44	.95	.15	1	1
LS-175W	1	18	31	135	.2	241	23	890	3.27	10	5	ND	6	41	1	2	2	37	.25	.172	15	181	1.29	384	.12	4	1.99	.94	.10	1	2
LS-150W	1	14	24	82	.1	192	18	649	3.26	8	5	ND	6	33	1	2	2	41	.22	.070	16	197	1.29	158	.12	3	1.26	.93	.07	1	1
LS-125W	1	11	14	87	.1	133	13	703	2.65	7	5	ND	5	37	1	2	2	31	.22	.254	12	90	.66	318	.11	2	2.15	.93	.07	1	1
LS-100W	1	29	23	92	1.0	174	12	521	3.51	11	7	ND	10	82	1	2	2	54	.41	.033	32	127	1.06	311	.15	3	2.85	.94	.16	1	1
LS-75W	1	16	15	91	.2	99	11	771	3.22	7	5	ND	8	65	1	2	2	46	.41	.303	17	84	.90	435	.11	3	2.34	.94	.14	1	1
LS-50W	1	18	24	121	.5	117	14	692	3.32	5	5	ND	10	31	1	2	2	53	.26	.113	19	113	1.08	309	.15	3	2.80	.93	.12	1	1
LS-25W	1	17	23	106	.3	88	11	737	3.33	4	5	ND	10	34	1	2	2	46	.24	.240	20	69	.70	349	.14	3	2.73	.94	.09	1	1
LS-25E	1	12	17	100	.4	75	9	1051	3.25	3	5	ND	13	30	1	2	2	48	.23	.127	24	60	.50	256	.13	2	2.16	.93	.07	1	4
LS-50E	1	15	20	127	.4	67	8	917	2.52	6	5	ND	9	41	1	2	2	34	.24	.271	17	41	.29	327	.15	4	2.33	.93	.07	1	20
STD C/AU-5	19	60	37	130	7.2	66	27	1016	3.97	37	22	7	38	49	18	17	19	56	.47	.085	37	57	.87	175	.08	31	1.97	.93	.14	10	52

SAMPLE#	MD	CU	PI	ZH	AG	NI	CO	MM	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CR	P	LA	CR	AS	BA	TI	B	AL	MA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
LS-75E	1	13	30	148	.3	55	9	1255	3.20	5	5	ND	16	23	1	2	2	46	.21	.250	20	56	.51	225	.14	2	2.13	.03	.09	1	23
LS-100E	1	14	1*	133	.4	77	10	1043	3.39	5	5	ND	8	26	1	2	2	49	.19	.237	12	59	.52	273	.15	2	2.25	.04	.10	1	13
LS-125E	1	16	25	121	.4	100	13	971	3.46	5	5	ND	8	32	1	2	2	52	.25	.156	17	91	.39	319	.17	3	2.80	.04	.14	1	12
LS-150E	1	13	29	131	.6	90	12	909	3.19	13	5	ND	7	25	1	2	2	43	.19	.222	12	85	.70	256	.15	4	2.75	.04	.13	1	4
LS-175E	1	21	25	126	.5	125	15	751	3.77	5	5	ND	10	20	1	2	2	53	.19	.179	17	129	.97	279	.19	3	3.34	.04	.14	1	29
LS-200E	1	19	16	103	.6	136	10	786	2.57	13	5	ND	5	26	1	2	2	35	.16	.302	19	86	.50	269	.15	2	3.42	.04	.07	1	9
LS-225E	1	28	27	159	1.4	171	14	908	3.47	19	5	ND	9	33	1	2	2	48	.21	.172	25	113	.95	267	.16	2	3.22	.04	.14	1	3
LS-250E	1	18	21	148	.9	81	11	1256	2.59	12	5	ND	5	37	1	2	2	34	.21	.239	13	57	.46	402	.14	4	3.02	.04	.10	1	4
LS-275E	1	20	26	174	1.4	134	14	1295	3.24	8	5	ND	6	24	2	2	2	40	.19	.243	14	106	.75	422	.16	4	2.77	.04	.10	1	3
LS-300E	1	15	30	138	.9	149	14	1496	3.19	10	5	ND	9	22	1	2	2	39	.22	.279	14	114	.77	458	.14	4	2.45	.04	.10	1	3
LS-325E	1	13	28	142	.4	92	12	1392	2.99	9	5	ND	5	16	1	2	2	38	.11	.151	12	84	.53	295	.15	5	2.45	.03	.08	1	4
LS-350E	1	18	31	129	.6	146	14	773	3.30	14	5	ND	8	15	1	2	2	44	.11	.088	14	111	.72	226	.17	4	3.46	.03	.07	1	2
LS-375E	1	18	22	131	.5	87	11	1043	3.29	10	5	ND	8	17	1	2	2	46	.10	.229	13	72	.57	244	.15	4	3.29	.03	.09	1	5
LS-400E	1	17	27	140	.6	83	11	1235	3.28	11	5	ND	7	23	1	2	2	44	.18	.185	13	71	.61	314	.16	2	3.45	.04	.08	1	13
LS-425E	1	12	32	152	.7	73	9	1293	2.42	8	5	ND	3	25	1	2	2	33	.22	.186	9	42	.36	254	.14	3	2.41	.04	.07	1	1
LS-450E	1	11	20	123	.6	77	7	956	2.41	4	5	ND	5	17	1	2	2	32	.14	.179	10	39	.31	182	.14	2	3.08	.04	.07	1	3
LS-475E	2	18	24	127	.4	73	12	1793	3.38	8	5	ND	8	23	1	2	2	50	.18	.100	15	66	.60	284	.14	3	2.49	.03	.11	1	3
LS-500E	1	14	26	136	.5	55	11	1260	3.16	12	5	ND	5	16	1	2	2	46	.13	.138	12	56	.49	216	.16	4	2.43	.03	.09	1	1
LS-525E	2	14	30	199	.5	51	11	4302	3.12	8	5	ND	4	28	2	2	2	46	.25	.155	11	49	.57	401	.16	3	1.95	.03	.12	1	5
LS-550E	2	20	72	135	.6	48	10	2466	2.89	12	5	ND	2	20	2	2	2	44	.18	.101	11	60	.50	191	.12	2	1.67	.03	.10	1	28
LS-575E	1	25	27	93	3.4	78	10	613	3.24	13	5	ND	7	17	1	2	2	48	.13	.089	15	59	.54	155	.18	4	4.07	.04	.07	1	6
LS-600E	1	17	21	157	.6	63	11	1999	3.19	10	5	ND	3	21	1	2	2	45	.17	.217	10	57	.69	344	.15	3	2.83	.04	.09	1	4
LS-625E	1	22	26	139	.3	53	10	2415	3.13	7	5	ND	4	33	1	2	2	48	.21	.113	10	46	.58	321	.16	3	2.74	.04	.09	1	2
LS-650E	1	29	24	129	1.4	127	14	474	3.65	8	5	ND	7	39	1	2	2	67	.35	.084	14	136	1.12	291	.25	3	3.49	.06	.09	1	1
LS-675E	2	21	27	117	.7	87	11	641	3.63	10	5	ND	6	22	1	2	2	59	.19	.122	12	69	.81	164	.19	3	3.43	.04	.10	1	1
LS-700E	2	34	21	114	.5	53	10	604	3.55	11	5	ND	3	18	1	2	2	58	.15	.161	13	56	.74	129	.17	4	3.92	.04	.11	1	1
LS-725E	1	19	18	80	.5	70	11	717	3.07	10	5	ND	5	32	1	2	2	49	.25	.121	11	64	.63	175	.15	2	3.36	.04	.09	1	1
LS-775E	1	21	23	105	.6	53	11	1543	3.36	19	5	ND	6	36	1	2	2	54	.23	.152	14	62	.73	184	.16	3	2.91	.04	.10	1	2
LS-800E	1	19	44	150	.3	37	10	1082	3.58	15	5	ND	4	26	1	2	2	60	.18	.114	11	56	.66	199	.17	4	2.35	.04	.10	1	17
LS-825E	2	20	24	103	.4	41	9	1792	3.18	11	5	ND	4	48	1	2	2	52	.32	.149	12	54	.55	242	.15	4	2.84	.04	.12	1	1
LS-850E	1	19	18	112	.5	28	7	1499	2.51	13	5	ND	3	35	1	2	2	37	.24	.311	8	25	.36	235	.17	4	3.41	.05	.07	1	1
LS-875E	1	16	14	102	.9	29	7	868	2.45	25	5	ND	4	33	1	2	2	35	.27	.219	7	29	.40	286	.15	4	3.59	.05	.07	1	1
LS-900E	1	21	17	123	.5	32	8	955	2.70	22	5	ND	5	36	1	2	2	38	.26	.359	9	27	.52	253	.15	4	3.01	.04	.10	1	4
LS-925E	1	14	13	114	.4	26	7	1374	2.29	28	5	ND	4	18	1	2	2	33	.13	.231	6	25	.27	216	.16	2	2.66	.04	.07	1	1
LS-950E	1	13	15	108	.6	24	7	1125	2.57	14	5	ND	4	31	1	2	2	36	.16	.355	6	26	.32	235	.16	3	2.96	.04	.09	1	1
LS-975E	1	20	19	110	.7	43	9	1086	3.25	17	5	ND	4	27	1	2	2	50	.23	.123	13	46	.59	195	.17	3	3.35	.04	.10	1	2
STD C/AU-S	19	58	40	135	7.5	67	27	1039	4.06	40	23	8	39	50	18	16	20	57	.48	.087	37	60	.85	177	.38	33	1.83	.08	.14	12	47

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE %	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA %	P %	LA PPH	CR PPH	MG %	BA PPH	TI %	B PPH	AL %	NA %	K %	W PPH	AUT PPB
L5-1000E	2	21	25	95	.4	73	10	1226	3.04	12	5	ND	5	20	1	2	2	43	.14	.113	10	62	.73	195	.17	3	3.71	.03	.08	1	3
L5-1025E	1	21	25	137	.4	78	12	1104	2.81	12	5	ND	4	32	1	2	2	42	.21	.181	10	59	.61	217	.16	5	3.42	.04	.10	1	6
L5-1050E	1	14	21	94	.3	79	11	1139	2.99	14	5	ND	5	28	1	2	2	48	.19	.165	8	68	.74	175	.16	4	3.53	.04	.09	1	3
L5-1075E	1	17	14	73	.4	46	7	787	2.40	9	6	ND	5	17	1	2	2	37	.13	.120	6	55	.39	141	.15	3	3.92	.03	.07	1	1
L5-1100E	1	19	31	121	.1	93	11	904	3.39	12	5	ND	4	19	1	2	2	63	.17	.091	10	90	.98	151	.16	3	2.94	.03	.11	1	1
L5-1125E	2	28	23	104	.2	68	15	1487	2.99	10	5	ND	2	18	1	2	2	56	.14	.156	12	70	.87	126	.08	4	3.24	.03	.11	1	1
L5-1150E	2	27	24	127	.3	82	13	1161	3.62	13	5	ND	3	25	1	2	2	66	.24	.117	11	79	.99	174	.15	5	3.13	.04	.13	1	1
L5-1175E	2	31	32	106	.2	76	13	821	3.42	7	5	ND	3	17	1	2	3	60	.14	.092	12	67	.88	111	.16	4	3.60	.03	.12	1	2
L5-1200E	2	36	49	118	.3	37	12	1598	2.96	8	5	ND	1	27	1	2	2	48	.17	.112	11	35	.62	116	.10	3	3.28	.03	.12	1	210
L6-1225W	1	30	21	161	.6	199	12	555	2.64	11	5	ND	6	76	1	2	2	29	.43	.109	21	68	.64	98	.13	6	3.04	.05	.08	1	59
L6-1200W	1	34	29	172	.4	301	17	523	3.31	14	5	ND	11	56	1	2	2	37	.32	.154	24	129	1.02	93	.12	5	2.78	.05	.12	1	49
L6-1175W	2	29	27	254	.4	272	21	1019	3.05	11	5	ND	6	70	2	2	2	34	.41	.178	13	155	1.15	240	.13	5	3.05	.05	.15	1	1
STD C/AU-S	19	58	36	128	7.1	67	27	1009	3.95	37	16	7	57	49	15	18	20	55	.46	.086	37	57	.88	167	.07	31	1.87	.08	.13	13	50
L6-1150W	2	33	31	214	.4	253	20	546	3.09	12	5	ND	6	38	1	2	2	35	.23	.106	14	147	.91	190	.14	6	3.05	.04	.11	1	4
L6-1125W	1	301	43	163	.9	578	32	590	3.83	16	5	ND	6	40	1	2	2	30	.23	.091	10	315	1.59	213	.12	9	2.41	.04	.09	1	137
L6-1100W	2	1045	55	218	1.9	623	37	808	4.98	25	5	ND	5	31	1	2	4	38	.20	.052	12	369	1.75	196	.09	7	2.35	.03	.07	1	1440
L6-1075W	2	202	28	138	.9	432	23	374	3.56	15	5	ND	4	24	1	2	3	38	.17	.019	9	223	1.10	170	.11	4	2.16	.03	.06	2	230
L6-1050W	1	215	18	60	.3	607	31	322	4.17	11	5	ND	5	19	1	2	2	31	.12	.025	11	458	1.63	125	.08	7	1.21	.03	.05	1	13
L6-1025W	1	12	10	152	.1	269	14	453	2.26	14	5	ND	3	27	1	2	2	24	.19	.245	7	94	.70	435	.11	5	1.73	.04	.07	1	1
L6-1000W	1	14	15	147	.2	115	8	587	2.29	6	5	ND	7	35	1	2	2	28	.25	.274	14	59	.42	285	.11	5	2.10	.04	.09	1	3
L6-975W	1	14	15	132	.3	118	7	426	2.22	9	5	ND	7	51	1	2	2	27	.30	.274	10	46	.37	239	.12	3	2.30	.04	.09	1	25
L6-950W	1	18	17	105	.6	146	8	517	2.35	13	5	ND	8	40	1	2	2	29	.23	.312	13	46	.40	200	.13	4	3.51	.04	.10	1	3
L6-925W	2	26	19	115	.4	187	10	513	2.72	8	5	ND	9	44	1	2	2	33	.27	.199	16	55	.55	200	.16	4	4.52	.04	.09	1	2
L6-900W	2	46	29	178	1.0	373	14	582	3.63	16	14	ND	17	76	1	2	2	47	.37	.075	33	119	1.07	242	.16	4	4.29	.05	.14	1	24
L6-875W	2	33	32	65	.4	155	12	465	4.78	11	5	ND	16	53	1	2	2	67	.45	.085	29	147	.86	66	.09	2	1.34	.03	.08	1	21
L6-850W	1	31	23	134	.6	259	11	463	3.18	13	5	ND	10	55	1	2	2	38	.30	.259	14	74	.63	256	.17	4	4.79	.04	.14	1	3
L6-825W	2	24	22	113	.4	169	9	586	2.59	11	5	ND	8	60	1	2	2	33	.29	.233	14	55	.49	195	.15	5	4.14	.05	.09	1	2
L6-800W	1	21	14	65	.2	107	10	614	2.91	3	5	ND	7	37	1	2	2	39	.20	.027	18	143	.78	161	.11	4	1.14	.03	.11	2	11
L6-775W	1	26	20	103	.6	199	12	533	3.08	7	6	ND	8	34	1	2	2	43	.21	.056	21	103	.93	191	.13	4	2.66	.04	.11	1	2
L6-750W	1	36	20	109	.5	180	11	469	2.90	9	5	ND	10	40	1	2	2	40	.25	.125	20	99	.83	190	.13	3	2.63	.04	.07	1	4
L6-725W	1	12	18	73	.3	135	10	374	2.69	4	5	ND	7	32	1	2	2	36	.21	.114	15	72	.57	197	.12	3	2.32	.03	.07	1	1
L6-700W	1	9	12	101	.1	129	10	638	2.56	3	5	ND	7	23	1	2	2	30	.14	.231	12	92	.57	213	.12	4	2.17	.03	.08	1	1
L6-675W	2	20	22	128	.5	308	15	627	3.12	9	5	ND	10	56	1	2	2	36	.33	.136	12	93	.75	231	.16	4	4.22	.05	.16	1	1
L6-650W	2	23	28	107	.7	199	15	660	3.66	11	5	ND	7	125	1	2	2	56	.44	.059	23	139	1.72	305	.17	5	3.58	.05	.25	1	1
L6-625W	1	29	22	107	.6	174	12	749	2.94	9	5	ND	6	44	1	2	2	49	.26	.157	15	94	.77	230	.13	7	2.91	.04	.11	1	12
L6-600W	1	15	19	126	.3	328	20	582	3.25	5	5	ND	5	45	1	2	2	39	.28	.086	13	201	1.42	186	.12	5	1.99	.04	.09	1	5
L6-575W	1	19	22	117	.3	609	24	419	3.48	6	5	ND	6	35	1	2	2	41	.23	.149	11	218	2.37	268	.12	6	3.54	.04	.09	1	1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CR	P	LA	CR	MS	BA	TI	B	AL	NA	K	W	AUS
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPH
L6-550W	1	15	18	103	.2	451	22	458	3.61	4	5	ND	6	29	1	2	2	44	.21	.073	15	265	2.01	153	.11	5	1.88	.04	.04	1	1
L6-525W	1	11	12	72	.1	103	7	141	2.34	17	5	ND	4	13	1	2	3	29	.09	.341	4	46	.28	127	.16	4	4.21	.04	.01	1	1
L6-500W	1	6	13	47	.1	135	8	599	2.38	6	5	ND	4	17	1	2	2	28	.11	.150	8	91	.46	150	.11	3	2.03	.03	.02	2	1
L6-475W	1	9	9	53	.3	112	8	411	2.20	7	9	ND	6	23	1	2	2	27	.19	.188	10	68	.40	167	.12	4	2.46	.03	.04	1	1
L6-450W	1	9	16	108	.1	243	18	416	3.18	8	5	ND	3	36	1	2	2	37	.22	.168	9	174	1.09	187	.11	4	1.87	.04	.04	2	17
L6-425W	1	11	12	74	.1	419	21	413	3.74	3	5	ND	5	29	1	2	2	43	.22	.05*	13	270	2.13	128	.11	7	1.62	.03	.07	1	1
L6-400W	1	13	13	85	.3	188	12	571	2.88	8	5	ND	6	31	1	2	2	31	.22	.242	10	86	.61	189	.13	4	3.10	.04	.07	1	1
L6-375W	1	12	14	139	.2	190	14	775	2.96	10	5	ND	5	67	1	2	2	34	.31	.331	10	109	.71	472	.12	4	2.31	.04	.07	1	1
L6-350W	1	9	11	77	.1	207	14	660	3.04	4	5	ND	7	35	1	2	2	24	.22	.129	15	159	.92	213	.08	4	1.21	.03	.03	1	3
L6-325W	1	9	13	90	.2	143	10	482	2.45	8	5	ND	5	35	1	2	2	32	.21	.256	11	94	.53	191	.11	2	2.13	.03	.05	2	1
L6-300W	1	13	14	75	.3	213	12	399	3.07	7	5	ND	9	30	1	2	2	44	.17	.076	15	114	.78	138	.12	4	1.79	.03	.08	1	1
L6-275W	1	9	12	79	.1	109	10	469	2.65	7	5	ND	5	43	1	2	2	31	.23	.285	10	77	.40	293	.11	2	2.01	.03	.04	2	1
L6-250W	1	34	31	115	.5	428	19	814	3.52	14	5	ND	7	61	1	2	2	47	.34	.130	28	177	1.51	279	.13	3	2.62	.04	.10	1	1
L6-225W	1	17	17	111	.3	185	17	802	3.31	9	5	ND	9	45	1	2	2	45	.28	.127	15	150	.94	289	.13	3	1.95	.04	.09	1	1
L6-200W	1	13	19	103	.3	165	15	812	3.20	11	5	ND	5	80	1	2	2	35	.39	.215	12	145	.75	342	.11	2	1.78	.04	.09	2	1
L6-175W	1	24	22	97	.2	225	13	759	2.94	8	5	ND	6	43	1	2	2	39	.28	.148	28	113	.82	221	.12	3	2.42	.04	.07	1	1
L6-150W	1	11	15	96	.2	154	13	911	2.76	6	5	ND	6	63	1	2	2	30	.29	.496	10	95	.59	531	.11	3	2.45	.04	.10	2	1
L6-125W	1	11	15	69	.2	165	12	392	2.72	10	5	ND	5	40	1	2	2	32	.25	.195	10	105	.60	198	.11	3	2.14	.04	.06	1	3
L6-100W	1	14	17	79	.4	193	14	783	3.26	7	5	ND	7	36	1	2	2	39	.25	.161	17	146	.66	250	.11	4	1.79	.03	.06	1	7
L6-75W	1	19	25	131	.5	382	16	636	3.39	12	5	ND	6	46	1	2	2	42	.24	.146	18	120	.95	283	.14	4	3.19	.04	.11	1	1
L6-50W	1	25	27	145	.6	486	19	531	3.89	12	5	ND	9	54	1	2	2	47	.25	.200	20	147	1.51	266	.16	3	4.39	.04	.15	1	1
L6-25W	1	24	17	101	.5	232	17	704	3.36	9	5	ND	7	53	1	2	2	47	.27	.066	32	154	1.17	257	.14	2	2.10	.04	.10	1	1
L7-125W	1	31	29	80	.5	185	15	457	3.26	17	5	ND	10	56	1	2	2	42	.30	.131	22	109	.94	145	.12	5	2.48	.04	.10	1	9
L7-120CW	1	27	27	77	.6	349	16	521	3.04	17	5	ND	8	71	1	2	2	36	.36	.071	20	99	.82	188	.14	9	2.80	.05	.10	2	1
L7-1175W	1	25	29	91	.2	448	25	1075	3.41	22	5	ND	4	86	1	2	2	39	.39	.159	14	147	1.07	185	.10	5	1.92	.04	.10	1	6
L7-115CW	2	20	27	110	.3	584	24	1043	3.27	33	5	ND	6	76	1	2	2	39	.36	.069	16	141	1.10	224	.13	6	2.20	.04	.09	2	21
L7-1125W	1	25	26	84	.3	570	32	574	4.29	60	5	ND	9	58	1	2	2	58	.35	.070	18	215	1.91	154	.18	10	2.69	.05	.20	2	1
L7-1100W	1	22	25	74	.3	460	27	595	3.60	50	5	ND	7	51	1	2	2	41	.34	.070	19	182	1.31	211	.13	8	2.25	.04	.10	2	1
L7-1075W	1	16	26	68	.1	478	21	449	3.32	28	5	ND	7	33	1	2	2	40	.23	.033	14	171	1.20	210	.13	7	2.22	.04	.09	1	4
L7-1050W	1	22	20	84	.3	238	14	468	2.75	14	5	ND	8	41	1	2	2	36	.26	.116	16	88	.74	204	.16	4	2.75	.05	.12	1	4
L7-1025W	1	31	27	135	.5	295	16	625	3.35	21	5	ND	10	58	1	2	2	44	.37	.095	26	113	.99	209	.18	4	3.17	.05	.14	3	1
L7-1000W	1	29	41	301	1.1	392	15	759	3.44	30	6	ND	15	70	2	2	2	40	.36	.096	27	107	.76	254	.16	4	3.77	.05	.12	2	11
L7-975W	2	24	69	167	.5	376	18	949	3.20	44	5	ND	7	58	1	2	2	34	.35	.096	18	111	.67	262	.12	3	2.76	.04	.09	2	1
L7-950W	1	15	29	151	.5	190	14	1147	2.65	28	5	ND	5	39	1	2	2	29	.24	.174	11	75	.44	246	.14	4	2.76	.04	.09	1	1
L7-925W	1	22	25	121	.5	130	11	786	2.83	20	7	ND	8	37	1	2	2	36	.24	.208	19	75	.63	213	.14	3	3.11	.04	.10	1	1
L7-900W	1	14	28	152	.3	123	11	941	2.85	10	5	ND	6	55	1	2	2	31	.29	.245	15	75	.56	283	.12	3	2.39	.04	.08	1	1
STD 2/4U-E	19	58	40	131	7.4	68	28	1045	4.02	40	19	7	40	50	18	17	22	56	.42	.03*	38	60	.84	180	.08	32	1.81	.08	.13	12	52

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	HA %	K %	W PPM	AU# PPM
L7-87SW	2	17	25	110	.4	150	11	560	2.83	6	5	ND	11	93	1	2	2	31	.43	.403	21	8*	.70	299	.11	4	2.41	.04	.11	1	10
L7-850W	2	25	28	172	.6	131	12	885	2.89	13	5	ND	16	58	1	2	2	36	.35	.213	20	73	.61	215	.14	4	3.52	.05	.17	1	1
L7-825W	2	32	30	143	.9	209	14	704	3.19	16	5	ND	13	4*	1	2	2	40	.31	.17*	29	97	.83	216	.15	6	3.85	.05	.13	1	1
L7-800W	2	36	30	207	.9	164	15	1649	3.45	9	5	ND	11	89	1	2	2	41	.52	.331	27	91	.86	451	.15	8	4.13	.05	.16	1	1
L7-775W	1	23	39	127	.6	150	13	910	3.15	12	5	ND	7	48	1	2	2	43	.31	.147	18	102	.82	222	.13	3	2.63	.04	.14	1	8
L7-750W	1	29	26	121	.7	160	13	626	3.50	11	5	ND	10	37	1	2	2	48	.24	.189	17	95	.85	255	.14	3	3.06	.04	.12	2	1
L7-725W	2	17	1*	116	.6	66	8	1648	2.19	13	5	ND	6	34	1	2	2	29	.24	.293	11	39	.33	29*	.13	3	3.05	.04	.08	1	2
L7-700W	1	9	15	8*	.5	161	11	506	2.78	5	5	ND	9	30	1	2	2	31	.21	.250	13	9*	.66	215	.13	3	2.56	.04	.07	1	1
L7-675W	1	11	15	141	.4	96	9	1000	2.25	2	5	ND	7	54	1	2	2	24	.1*	.422	11	64	.37	442	.12	4	2.28	.04	.08	1	1
L7-650W	2	17	21	126	.5	151	14	559	3.10	8	5	ND	9	45	1	2	2	38	.2*	.270	14	96	.72	170	.14	4	3.33	.04	.11	1	1
L7-625W	1	21	20	105	.7	104	11	401	3.61	7	5	ND	12	68	1	2	2	57	.47	.061	25	137	1.64	197	.20	2	2.66	.05	.32	1	2
L7-600W	1	12	17	134	.4	73	8	594	2.34	2	5	ND	6	76	1	2	2	28	.38	.47*	8	45	.58	749	.15	4	2.97	.05	.16	1	1
L7-575W	1	10	21	121	.5	224	16	413	3.25	3	5	ND	6	37	1	2	2	36	.30	.295	15	171	1.10	209	.11	5	2.05	.04	.09	1	1
L7-550W	1	16	27	149	.5	309	18	610	3.25	6	5	ND	7	32	1	2	2	38	.28	.251	1*	160	1.27	321	.13	5	2.92	.05	.09	1	1
L7-525W	1	9	15	70	.3	32*	22	513	4.05	2	5	ND	4	36	1	2	2	44	.2*	.045	13	353	2.15	170	.11	7	1.23	.04	.06	1	2
L7-500W	1	10	12	64	.4	178	12	328	2.93	5	5	ND	7	27	1	2	2	36	.23	.124	12	124	.76	20*	.13	6	2.93	.04	.09	2	1
L7-475W	1	17	21	93	.5	627	18	319	3.33	6	5	ND	6	30	1	2	2	41	.18	.110	12	148	1.56	201	.14	4	4.08	.04	.09	1	1
L7-450W	1	8	21	89	.2	118	12	861	2.45	8	5	ND	5	35	1	2	2	28	.17	.338	7	83	.46	307	.12	3	2.36	.04	.05	1	1
L7-425W	1	9	17	92	.3	255	19	298	3.36	9	5	ND	8	34	1	2	2	45	.23	.042	17	206	1.39	85	.12	4	1.31	.04	.07	1	1
L7-400W	1	17	31	83	1.0	588	28	403	3.73	54	5	ND	10	76	1	2	2	47	.47	.026	28	302	2.34	140	.13	5	2.49	.05	.09	1	2
L7-375W	1	13	22	73	.4	402	24	472	3.18	16	5	ND	4	40	1	2	2	37	.26	.115	8	192	1.56	226	.12	5	2.57	.05	.09	2	1
L7-350W	2	14	22	100	.5	391	21	563	3.30	15	5	ND	5	37	1	2	2	40	.21	.10*	11	171	1.30	264	.13	4	2.78	.04	.09	1	1
L7-325W	2	23	24	148	.5	435	21	91*	3.80	10	5	ND	6	35	1	3	2	46	.20	.125	1*	200	1.61	210	.11	5	2.85	.04	.10	1	2
L7-300W	1	11	24	134	.1	194	17	865	3.62	7	5	ND	7	44	1	2	2	43	.26	.124	1*	175	1.04	293	.10	5	1.61	.04	.06	1	1
L7-275W	1	16	36	76	.8	265	14	49*	2.42	22	5	ND	4	96	1	2	2	38	.58	.027	27	148	1.36	206	.14	4	2.07	.05	.08	1	3
L7-250W	1	22	26	126	.4	243	16	917	3.24	7	5	ND	6	57	1	2	2	40	.31	.206	25	133	1.11	306	.12	4	2.76	.04	.12	1	1
L7-225W	1	9	14	83	.4	109	10	365	2.63	6	5	ND	6	40	1	2	2	33	.25	.243	12	82	.50	214	.12	3	1.99	.04	.08	1	1
L7-200W	1	23	44	131	.7	314	21	871	3.38	13	5	ND	5	77	1	2	2	45	.58	.116	24	151	1.45	316	.13	7	2.58	.05	.15	1	3
L7-175W	2	38	104	206	.3	316	25	3044	2.82	24	5	ND	4	64	3	2	2	2*	.53	.127	15	99	1.10	482	.04	2	1.76	.03	.14	1	1
L7-150W	1	21	25	141	.3	79	15	605	3.78	6	5	ND	9	43	1	2	2	56	.31	.16*	26	105	1.16	389	.18	2	3.09	.04	.26	1	1
L7-125W	1	17	21	108	.4	101	13	425	3.33	3	5	ND	7	43	1	2	2	46	.25	.194	20	96	.86	322	.12	4	2.32	.05	.16	1	3
L7-100W	1	16	21	9*	.3	103	12	89*	2.84	2	5	ND	5	69	1	2	2	36	.36	.192	15	89	.69	289	.12	3	2.45	.04	.09	1	1
L7-75W	1	27	45	149	.8	244	17	828	3.61	6	5	ND	7	67	1	2	2	4*	.36	.206	21	126	1.27	350	.14	3	3.59	.04	.18	1	1
L7-50W	1	18	20	122	.5	197	15	711	3.26	7	5	ND	6	43	1	2	2	42	.25	.291	16	127	1.01	291	.13	4	2.69	.04	.12	1	1
L7-25W	1	14	19	128	.7	110	13	818	2.86	6	5	ND	6	26	1	2	2	35	.15	.286	13	95	.56	425	.12	3	2.2*	.03	.08	1	1
L7-0W	1	14	23	100	.6	151	14	552	3.14	6	5	ND	10	24	1	2	2	3*	.17	.180	14	117	.72	190	.14	4	2.74	.04	.08	3	1
STD C/AU-5	19	57	37	132	2.3	68	27	1034	4.06	3*	22	6	39	59	18	16	20	57	.49	.086	37	59	.88	179	.08	32	1.94	.08	.15	11	48

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CR	P	LA	CR	MS	BA	TI	B	AL	NA	K	W	AU1	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L7-AW	2	11	26	114	.3	200	19	1169	3.50	14	5	ND	6	40	1	2	2	43	.31	.175	14	171	1.11	338	.11	6	1.71	.04	.08	1	1	
L8-1225W	2	29	61	184	.3	408	54	1241	4.20	35	5	ND	11	49	1	2	2	49	.37	.097	21	181	1.73	287	.14	7	3.10	.05	.14	1	1	
L8-1200W	1	16	35	95	.1	191	13	563	2.74	19	5	ND	6	37	1	2	2	35	.28	.134	13	92	.66	226	.12	5	2.39	.04	.09	1	8	
L8-1175W	1	22	29	105	.3	295	18	573	3.25	24	5	ND	5	45	1	2	2	42	.32	.06*	12	141	.96	237	.10	6	2.26	.04	.10	1	42	
L8-1150W	1	26	25	100	.3	121	10	56*	2.86	28	5	ND	8	51	1	2	2	43	.35	.294	15	64	.5*	306	.13	4	2.57	.05	.12	1	1	
L8-1125W	3	27	73	110	.4	750	42	719	4.76	35	5	ND	10	44	1	2	2	35	.26	.121	19	22*	1.70	195	.09	10	2.02	.04	.10	1	1	
L8-1100W	3	34	53	412	.4	453	30	1424	4.04	32	5	ND	9	96	3	2	2	37	.61	.145	30	150	1.10	248	.10	7	2.46	.05	.12	1	1	
L8-1075W	3	40	31	91	.5	619	36	1524	4.72	31	5	ND	7	41	1	2	2	30	.37	.048	20	193	1.07	147	.10	9	1.93	.04	.10	1	3	
L8-1050W	1	31	37	102	.6	194	13	467	3.11	28	5	ND	10	37	1	2	2	41	.29	.079	25	81	.66	149	.15	4	3.44	.04	.13	1	1	
L8-1025W	1	34	40	96	.4	166	14	425	3.05	39	5	ND	15	33	1	2	2	57	.28	.050	29	140	1.20	161	.12	7	2.23	.05	.10	1	5	
L8-1000W	1	25	38	177	.4	118	10	577	2.96	30	5	ND	5	28	1	2	2	43	.12	.128	10	61	.60	211	.12	4	3.03	.04	.11	1	1	
L8-975W	1	25	28	130	.3	70	10	1016	2.97	24	5	ND	6	40	1	2	2	41	.20	.253	11	49	.54	412	.12	6	2.66	.04	.12	1	1	
L8-950W	1	44	15	127	.1	62	11	524	3.57	19	5	ND	4	41	1	2	2	55	.33	.172	10	43	.71	264	.09	5	2.96	.04	.14	1	1	
L8-925W	1	24	24	95	.4	65	9	806	2.79	25	5	ND	6	55	1	2	2	38	.44	.210	13	48	.50	257	.14	5	3.29	.05	.13	1	1	
L8-900W	1	25	35	114	.6	74	9	914	2.79	22	5	ND	7	49	1	2	2	36	.34	.261	14	50	.49	269	.14	3	3.11	.04	.10	1	1	
L8-875W	1	23	35	124	.4	67	9	565	2.97	25	5	ND	8	50	1	2	2	36	.32	.402	16	50	.50	243	.14	3	3.46	.04	.08	1	36	
L8-850W	1	25	25	101	.5	86	11	551	3.04	19	5	ND	18	39	1	2	2	42	.27	.130	18	65	.65	181	.14	4	2.93	.04	.12	1	1	
L8-825W	1	23	23	79	.2	118	12	475	3.25	14	5	ND	12	28	1	2	2	42	.22	.137	20	92	.75	160	.14	5	2.6*	.03	.08	1	5	
L8-800W	1	21	19	87	.4	115	10	604	3.04	17	5	ND	10	31	1	2	2	41	.24	.172	17	81	.67	236	.15	4	2.82	.04	.07	1	1	
L8-775W	1	17	16	101	1.2	62	7	671	2.14	17	5	ND	5	28	1	2	2	29	.26	.226	12	36	.33	232	.12	3	3.15	.04	.07	1	1	
L8-750W	1	15	20	172	.6	68	8	821	2.53	16	5	ND	11	71	2	2	2	33	.40	.405	15	54	.44	446	.11	3	2.53	.04	.10	1	1	
L8-725W	1	19	22	104	.3	100	11	565	3.29	17	5	ND	13	34	1	2	2	46	.31	.244	16	82	.73	277	.14	5	3.20	.04	.11	1	1	
L8-700W	1	11	16	111	.3	54	7	1271	2.28	14	5	ND	3	26	1	2	2	29	.18	.271	10	41	.31	312	.12	3	2.83	.03	.04	1	1	
L8-675W	1	10	15	125	.3	64	7	436	2.14	11	5	ND	4	35	1	2	2	26	.28	.250	9	48	.33	294	.12	4	2.58	.04	.07	1	4	
L8-650W	1	8	9	118	.1	58	6	1807	1.88	8	5	ND	3	65	1	2	2	22	.36	.312	8	34	.23	574	.10	3	2.06	.04	.04	1	1	
L8-625W	1	11	17	84	.4	133	11	586	2.67	12	5	ND	9	47	1	2	2	35	.36	.177	18	118	.82	219	.09	3	1.65	.04	.09	1	1	
L8-600W	1	14	26	122	.3	97	10	841	2.45	11	5	ND	4	56	2	2	2	29	.39	.344	19	64	.59	428	.12	4	2.70	.04	.10	1	3	
L8-575W	1	12	18	81	.2	172	12	514	2.65	16	5	ND	7	38	1	2	2	32	.34	.270	12	127	.64	227	.09	6	2.41	.04	.06	1	1	
L8-550W	1	14	16	107	.4	52	9	1375	2.27	14	5	ND	4	54	1	2	2	29	.43	.335	12	45	.42	488	.09	3	3.04	.04	.08	1	1	
L8-525W	1	14	17	111	.3	68	8	1081	2.43	13	5	ND	5	36	1	2	2	29	.21	.405	14	38	.43	538	.09	3	2.95	.03	.07	1	1	
L8-500W	1	18	38	133	.4	368	28	1515	3.81	16	5	ND	7	46	2	2	2	42	.41	.187	14	252	1.78	507	.11	7	2.54	.05	.14	1	1	
L8-475W	1	11	18	70	.1	315	20	482	3.15	12	5	ND	4	25	1	2	2	36	.24	.119	9	198	1.58	170	.12	6	2.52	.04	.06	1	1	
L8-450W	1	8	13	65	.1	204	15	571	2.63	9	5	ND	2	28	1	2	2	31	.24	.113	6	140	.91	200	.10	3	2.09	.04	.05	1	1	
L8-425W	1	8	14	63	.1	246	17	527	3.47	7	5	ND	4	26	1	2	2	40	.22	.043	10	25*	1.56	146	.11	7	1.35	.04	.05	1	1	
L8-400W	1	11	20	78	.1	393	22	277	2.44	9	5	ND	3	17	1	2	2	41	.12	.075	8	206	1.82	126	.12	4	2.73	.03	.07	1	2	
L8-375W	1	29	72	144	.9	560	31	1547	4.29	28	5	ND	4	49	2	2	2	51	.30	.085	28	257	2.49	292	.08	5	2.48	.03	.14	1	1	
STD C/AU-S	18	59	38	129	7.3	66	27	1025	3.95	43	19	7	38	50	18	18	20	56	.47	.095	37	58	.86	177	.08	33	1.91	.08	.14	12	50	

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUI
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L8-350W	2	24	47	156	1.1	285	21	1323	3.47	7	5	ND	7	35	2	4	2	42	.21	.096	21	151	1.25	233	.12	4	2.26	.03	.12	1	1
L8-325W	1	28	56	94	1.1	507	28	1277	3.61	8	5	ND	6	25	2	2	2	44	.53	.060	41	261	2.36	240	.08	8	1.73	.04	.11	1	1
L8-300W	1	10	21	84	.5	270	17	482	2.83	6	5	ND	4	24	1	2	2	35	.18	.039	8	137	1.12	194	.12	4	2.53	.04	.09	1	1
L8-275W	1	17	38	136	.5	223	20	1347	3.56	9	5	ND	5	31	1	3	2	46	.25	.137	12	157	1.17	443	.12	4	2.39	.03	.15	2	5
L8-250W	1	21	27	131	.6	259	26	1454	4.10	11	5	ND	6	36	1	2	2	51	.26	.131	14	195	1.65	362	.12	5	2.27	.03	.15	1	4
L8-225W	1	17	22	118	1.0	207	16	699	3.14	9	5	ND	8	30	2	2	2	39	.19	.158	14	127	.97	433	.12	4	2.68	.04	.10	1	320
L8-200W	2	29	65	178	1.1	365	26	1871	3.61	22	5	ND	4	22	4	2	2	44	.44	.121	17	194	1.65	415	.07	4	2.25	.04	.16	1	66
L8-175W	1	13	29	101	.5	272	25	1550	4.30	4	5	ND	5	22	1	3	2	46	.27	.105	13	258	1.40	333	.11	4	1.81	.05	.15	1	14
L8-150W	1	12	19	83	.7	250	17	514	2.99	7	5	ND	12	22	1	2	2	36	.19	.095	10	135	1.05	216	.12	3	2.71	.03	.10	1	1
L8-125W	1	12	19	120	.5	90	10	1014	2.70	7	5	ND	9	22	1	2	2	35	.21	.155	14	66	.51	366	.09	3	1.75	.05	.08	2	1
L8-100W	2	15	32	162	.6	183	18	1821	3.59	13	5	ND	5	22	1	2	2	45	.44	.159	14	139	1.06	557	.11	4	2.25	.04	.15	1	1
L8-75W	1	11	16	88	.6	131	14	546	3.07	7	5	ND	8	23	1	2	2	42	.22	.097	16	131	.85	299	.10	2	1.57	.05	.10	1	1
L8-50W	1	11	24	106	.5	135	15	957	3.08	8	5	ND	6	22	1	2	2	41	.26	.189	13	134	.96	249	.11	3	2.14	.04	.11	1	1
L8-25W	1	17	26	149	.4	177	17	946	4.01	12	5	ND	9	25	1	2	2	54	.23	.192	16	124	1.15	308	.14	3	3.32	.05	.15	1	1
L8-1250W	2	38	547	652	.9	267	16	1454	3.51	28	5	ND	9	53	2	2	2	39	.44	.123	20	120	1.09	341	.11	3	2.30	.04	.19	1	15
L9-1225W	5	106	1519	1394	3.2	414	19	1781	3.97	83	5	ND	8	51	3	2	2	39	.43	.096	24	129	1.19	214	.09	4	2.55	.04	.15	1	26
L9-1195W	34	478	12348	1831	17.1	633	27	1993	5.16	149	5	ND	8	33	5	2	2	43	.26	.089	29	205	1.33	136	.06	3	2.39	.03	.16	1	145
L9-1175W	3	25	323	254	.6	188	12	1497	2.73	29	5	ND	7	42	1	2	2	35	.33	.028	13	105	.61	227	.08	3	1.25	.03	.12	2	1
L9-1150W	2	25	178	496	1.2	209	11	597	3.03	34	6	ND	10	34	1	2	2	49	.24	.070	15	79	.66	223	.12	4	2.30	.04	.13	1	1
L9-1125W	1	17	34	119	.6	117	8	477	2.27	16	5	ND	6	29	1	2	2	29	.23	.090	16	47	.38	145	.11	4	2.48	.04	.10	1	3
L9-1100W	1	14	22	154	.3	74	6	799	2.03	15	5	ND	5	27	1	2	2	24	.35	.295	11	32	.35	301	.13	4	2.70	.04	.10	1	1
L9-1075W	1	18	28	133	.6	82	9	546	2.60	12	5	ND	7	24	1	2	2	35	.33	.267	15	55	.67	256	.14	3	2.45	.04	.17	1	17
L9-1050W	1	18	26	174	.4	68	9	829	2.56	7	5	ND	5	42	1	2	2	38	.28	.243	10	50	.69	370	.13	3	2.15	.04	.19	1	1
L9-1025W	1	19	25	130	.9	64	6	885	2.07	14	6	ND	6	22	1	3	2	25	.33	.363	15	29	.29	287	.12	3	2.93	.05	.08	2	1
L9-1000W	1	22	34	216	.6	68	9	1835	2.53	7	5	ND	5	91	4	2	2	30	.56	.442	15	46	.42	611	.10	4	2.31	.04	.12	1	1
L9-975W	2	24	37	181	1.0	66	9	1565	2.82	15	5	ND	7	50	2	2	2	33	.41	.297	17	49	.49	444	.12	3	2.87	.04	.12	1	1
L9-950W	2	28	111	284	.9	56	12	2562	3.23	21	5	ND	5	65	4	2	2	41	.56	.257	16	57	.64	501	.11	3	2.40	.04	.15	1	3
L9-925W	1	30	53	215	1.2	68	13	1933	3.47	14	5	ND	6	47	2	2	2	46	.40	.191	19	80	.64	390	.12	3	2.45	.04	.17	1	3
L9-900W	2	36	77	129	.5	89	14	1261	4.05	21	5	ND	11	22	1	2	2	59	.25	.132	30	112	1.11	276	.12	3	2.73	.03	.17	1	65
L9-875W	1	20	27	120	.3	64	8	1095	2.81	12	5	ND	6	25	1	2	2	38	.22	.099	17	66	.57	234	.10	3	1.82	.03	.13	1	6
L9-850W	1	25	35	126	.6	78	12	1329	3.31	13	5	ND	6	22	1	2	2	44	.16	.189	16	78	.62	195	.10	3	2.08	.03	.12	1	8
L9-825W	1	27	49	134	.6	89	12	637	3.58	13	5	ND	8	22	1	2	2	50	.20	.138	19	60	.91	247	.14	5	2.71	.03	.14	3	53
L9-800W	1	18	28	155	.7	88	10	991	3.12	8	5	ND	12	42	1	2	2	41	.25	.201	18	76	.72	405	.11	5	2.00	.03	.14	1	200
L9-775W	1	14	27	106	.5	72	9	1183	2.67	7	5	ND	7	22	1	3	2	35	.16	.132	14	54	.47	223	.12	4	2.31	.03	.10	1	16
L9-750W	1	17	24	94	.4	71	9	866	2.72	11	5	ND	7	24	1	2	2	35	.19	.182	15	46	.47	238	.14	3	3.29	.04	.09	1	3
L9-725W	1	18	48	247	.6	59	10	2132	3.22	11	5	ND	5	22	3	2	2	47	.25	.102	20	52	.61	456	.11	3	2.37	.03	.16	1	4
STD C/AU-S	18	58	40	131	7.6	67	28	1045	4.07	41	22	7	39	51	12	17	19	52	.49	.098	32	60	.89	182	.08	32	1.94	.09	.16	12	53

SAMPLER	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	SI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUI
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	Z	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L9-700W	4	53	823	294	1.8	119	13	1961	3.01	23	5	ND	5	40	2	2	2	38	.27	.138	17	70	.54	301	.10	3	1.88	.03	.11	1	7
L9-675W	1	16	26	113	.4	66	10	804	2.68	5	5	ND	7	38	1	2	2	40	.21	.100	13	58	.69	258	.13	3	2.29	.04	.12	1	1
L9-650W	1	16	31	97	.6	88	10	492	3.12	6	5	ND	9	27	1	2	2	48	.20	.125	18	68	.73	182	.14	3	2.55	.03	.10	1	3
L9-625W	1	17	6	102	.4	43	8	476	2.53	3	5	ND	5	47	1	2	2	42	.28	.132	10	46	.67	209	.17	2	3.06	.05	.14	1	1
L9-600W	1	10	25	148	.5	94	10	879	2.91	2	5	ND	6	64	1	2	2	41	.34	.177	15	79	.68	367	.11	3	2.14	.04	.11	1	1
L9-575W	2	20	93	137	.7	104	12	1089	3.09	9	5	ND	4	33	2	2	2	45	.21	.154	14	73	.65	257	.10	2	2.17	.03	.11	1	3
L9-550W	1	10	25	174	.4	27	9	1295	2.20	2	5	ND	3	59	2	2	2	32	.34	.026	12	37	.33	457	.09	3	1.25	.03	.14	1	1
L9-525W	1	10	11	111	1.0	115	10	594	2.22	2	5	ND	6	46	2	2	2	37	.35	.190	13	52	.41	272	.12	2	2.76	.04	.07	1	1
L9-500W	1	10	8	194	.5	151	12	804	2.93	5	5	ND	7	34	1	2	2	37	.26	.118	12	89	.66	268	.13	4	2.82	.04	.08	1	1
L9-475W	1	14	20	75	.3	331	22	484	3.85	10	5	ND	8	34	1	4	2	45	.21	.053	17	241	1.89	112	.10	5	1.65	.03	.11	1	2
L9-450W	1	10	19	89	.3	348	25	639	3.81	18	5	ND	4	45	1	3	2	45	.26	.050	15	253	1.94	128	.09	4	1.67	.03	.07	1	9
L9-425W	1	10	19	142	.5	175	16	943	3.36	9	5	ND	4	56	1	2	2	42	.31	.236	14	130	1.08	349	.13	3	2.77	.04	.13	1	1
L9-400W	1	10	16	103	.5	189	14	1396	2.91	6	5	ND	6	49	1	2	2	38	.32	.187	12	108	.75	395	.11	3	2.44	.04	.08	1	2
L9-375W	3	24	32	316	.4	57	12	7658	2.25	9	5	ND	3	56	4	2	2	30	.37	.168	10	36	.28	1058	.10	3	1.39	.03	.13	1	1
L9-350W	1	14	22	105	.3	275	15	380	3.06	6	5	ND	5	26	1	2	2	41	.17	.064	12	126	1.13	180	.12	3	2.50	.04	.07	2	1
L9-325W	1	16	17	75	.5	117	8	699	2.25	4	5	ND	5	24	1	2	2	30	.17	.146	9	59	.39	174	.11	2	2.26	.03	.07	1	1
L9-300W	1	11	12	93	.2	97	9	376	2.52	11	5	ND	6	30	1	2	2	32	.19	.354	10	68	.48	223	.12	2	2.74	.04	.07	3	1
L9-275W	1	21	25	161	.6	63	13	1112	3.30	6	5	ND	7	48	1	2	2	42	.27	.369	18	112	.87	474	.16	2	2.81	.04	.13	1	1
L9-250W	1	12	15	90	.2	268	19	693	3.50	9	5	ND	5	31	1	2	2	43	.24	.124	13	213	1.66	173	.12	4	1.95	.04	.07	1	2
L9-225W	1	30	29	146	2.1	321	24	815	3.96	23	5	ND	8	51	2	2	2	54	.30	.092	20	196	1.61	301	.13	3	3.03	.04	.12	1	1
L9-200W	1	12	13	97	.6	214	15	433	3.27	7	5	ND	6	20	1	2	2	43	.17	.097	14	140	.97	123	.12	3	2.19	.03	.09	1	2
L9-175W	1	11	13	103	.5	125	11	706	2.72	8	5	ND	4	21	1	2	2	36	.16	.199	9	89	.56	199	.13	2	2.73	.04	.07	1	2
L9-150W	1	22	14	188	.8	220	16	825	3.17	16	6	ND	7	29	2	2	2	41	.19	.191	12	116	.92	274	.15	2	3.64	.04	.10	1	1
L9-125W	2	16	28	142	.4	60	9	1334	2.57	3	5	ND	4	41	1	2	2	39	.29	.077	10	65	.40	411	.14	2	1.40	.03	.09	1	1
L9-100W	1	14	17	136	.2	70	11	1299	3.10	5	5	ND	6	37	1	2	2	39	.23	.320	13	90	.70	429	.18	2	2.91	.04	.10	1	1
L9-75W	1	29	31	133	.5	230	20	881	3.62	13	5	ND	7	62	2	2	2	47	.34	.182	18	168	1.32	311	.12	3	2.58	.04	.14	1	3
L9-50W	1	15	21	91	.5	229	19	321	3.80	8	5	ND	7	43	1	3	2	51	.35	.083	21	243	1.73	156	.12	3	1.64	.04	.08	1	8
L9-25W	1	14	25	116	.3	187	17	713	3.15	7	5	ND	5	34	1	2	2	43	.25	.079	14	161	1.17	193	.13	3	2.04	.04	.08	1	1
BL 0+00S	1	30	19	80	.2	278	18	757	3.72	7	5	ND	14	38	1	2	2	47	.31	.124	27	120	1.22	116	.13	3	2.11	.03	.07	2	3
BL 1+00S	1	16	17	72	.1	116	10	1059	3.20	2	5	ND	10	38	1	2	2	45	.23	.088	22	72	.80	219	.14	7	2.26	.04	.09	1	3
BL 2+00S	1	24	123	168	.6	53	7	568	2.93	12	5	ND	9	67	1	2	2	32	.47	.691	20	35	.46	631	.16	3	4.04	.04	.07	1	1
BL 3+00S	1	16	12	81	.3	107	7	814	2.41	6	5	ND	7	32	1	2	2	31	.21	.158	12	49	.38	297	.13	3	2.59	.04	.07	1	4
BL 4+00S	2	46	29	105	.6	162	11	1327	3.23	9	5	ND	6	34	1	2	2	43	.27	.299	15	61	.70	244	.13	3	2.98	.04	.07	3	5
BL 5+00S	1	00	25	93	.5	225	15	391	3.87	0	5	ND	10	34	1	2	2	40	.26	.142	17	111	1.14	221	.13	4	2.35	.04	.10	1	29
BL 6+00S	1	22	18	159	.2	206	11	425	2.98	8	5	ND	12	62	1	2	2	38	.24	.057	18	83	.62	112	.12	5	2.48	.04	.06	1	13
BL 7+00S	1	22	27	80	.5	195	13	677	2.92	16	5	ND	8	65	1	2	2	37	.27	.099	17	77	.63	162	.13	4	2.66	.04	.10	1	2
STD C/AU-3	19	58	37	134	7.5	66	28	1051	4.07	39	23	6	40	51	18	16	20	52	.40	.027	38	61	.89	183	.08	32	1.95	.09	.13	13	51



SAMPLE#	MO PPM	CU PPM	PB PPM	ZH PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	HG %	BA PPM	TI %	B PPM	AL %	NA %	K %	M PPM	AUX PPM
BL 8+005	199	2841	17618	5173	304.7	82	6	1141	19.17	550	5	ND	3	34	15	20	648	29	.04	.065	5	161	.59	41	.01	2	.63	.02	.32	1	92
BL 9+005	3	61	412	400	4.6	203	14	756	3.68	35	5	ND	13	54	1	2	7	44	.40	.109	26	95	1.10	270	.15	4	3.18	.05	.19	2	10
BL 10+005	2	35	125	301	1.7	152	14	1353	3.35	91	5	ND	8	86	1	2	2	43	.53	.152	23	102	1.13	285	.13	4	2.70	.05	.20	2	1
BL 11+005	2	23	89	420	.7	51	10	1161	2.93	23	5	ND	5	29	3	2	2	40	.22	.186	14	39	.43	279	.14	3	2.81	.04	.11	1	2
BL 12+005	2	18	64	742	.2	102	8	734	2.59	10	5	ND	9	57	3	2	2	36	.38	.117	14	51	.54	220	.16	3	2.94	.05	.12	1	27
BL 13+005	1	22	25	119	.6	92	9	923	2.74	4	5	ND	9	26	1	2	2	36	.20	.140	18	61	.58	228	.12	3	2.47	.04	.08	2	22
BL 14+005	1	24	30	124	.5	99	10	891	3.01	4	5	ND	12	28	1	2	2	41	.19	.103	17	69	.67	192	.14	3	2.55	.04	.08	1	6
BL 15+005	3	27	60	430	.7	78	15	1435	3.37	11	5	ND	7	39	2	2	2	46	.24	.108	17	48	.54	233	.14	4	2.95	.04	.07	2	14

## GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR HG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: SOIL AUX ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 3 1987

DATE REPORT MAILED: Dec 8/87

ASSAYER: *D. Chym* DEAN TOYE, CERTIFIED B.C. ASSAYER

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SAMPLE#	NO	CU	PB	ZN	AS	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L6-02SE	1	33	34	141	.1	181	19	1102	3.82	9	5	ND	2	102	1	2	2	51	.40	.167	29	154	1.18	317	.13	4	2.90	.02	.22	1	4
L6-07SE	1	39	26	108	.1	204	18	878	4.00	15	5	ND	3	86	1	2	2	59	.45	.079	32	149	1.20	272	.17	3	3.61	.02	.19	1	7
L6-100E	1	39	30	144	.1	179	20	1061	4.02	17	5	ND	1	131	2	2	2	57	.75	.137	32	153	1.19	388	.14	5	3.22	.02	.25	1	4
L6-12SE	1	33	49	136	.1	162	19	906	3.99	18	5	ND	1	106	1	2	3	59	.44	.136	30	153	1.24	300	.13	4	2.95	.01	.31	1	4
L6-150E	1	35	37	120	.1	169	16	887	3.68	17	5	ND	2	124	1	2	4	52	.71	.131	31	149	1.15	297	.12	3	2.96	.01	.21	1	14
L6-17SE	1	38	39	93	.2	161	16	843	3.83	27	5	ND	2	79	1	4	2	54	.38	.114	31	141	1.02	244	.12	3	3.20	.01	.20	1	22
L6-200E	1	42	34	100	.1	169	17	716	3.83	20	5	ND	3	91	1	2	2	5*	.45	.065	42	145	1.28	294	.18	2	2.92	.02	.17	1	7
L6-22SE	1	28	27	132	.8	144	17	643	3.82	17	5	ND	5	61	1	2	2	53	.32	.205	18	144	1.20	305	.18	2	3.14	.02	.17	1	4
L6-250E	1	22	22	135	.3	139	16	972	3.62	8	5	ND	8	31	1	2	2	50	.24	.201	18	132	1.07	348	.19	2	3.04	.02	.14	1	5
L6-27SE	1	25	32	143	.4	160	19	992	4.22	10	6	ND	8	30	1	2	2	59	.21	.145	18	158	1.30	313	.19	3	3.20	.01	.17	1	18
L6-300E	1	38	31	181	.1	264	17	464	4.72	23	5	ND	8	41	1	2	2	61	.24	.213	21	156	1.59	581	.18	5	5.65	.02	.22	1	4
L6-32SE	1	32	34	211	.2	168	18	1566	3.82	11	5	ND	6	36	1	2	2	53	.20	.185	21	112	1.05	469	.18	6	4.02	.02	.16	1	5
L6-350E	1	31	28	176	.2	115	14	1278	3.07	12	5	ND	5	22	1	2	2	49	.15	.255	16	67	.70	355	.19	3	3.85	.03	.13	1	4
L6-37SE	1	19	28	157	.1	157	19	1329	4.05	11	5	ND	6	25	1	2	2	53	.22	.157	23	160	1.16	417	.15	6	2.73	.01	.16	1	1
L6-400E	1	24	26	143	.1	90	16	1002	4.09	5	6	ND	6	26	1	2	2	66	.18	.083	19	110	1.25	279	.22	4	3.45	.02	.22	1	8
L6-42SE	1	25	25	165	.2	116	17	1891	3.46	16	5	ND	8	26	1	2	2	51	.20	.162	18	100	.77	406	.16	5	2.84	.02	.13	2	4
L6-450E	1	24	31	140	.1	139	16	835	4.02	13	5	ND	8	23	1	2	2	60	.11	.068	26	150	.95	204	.14	4	2.28	.01	.12	2	31
L6-47SE	1	19	17	186	.4	50	11	2916	2.47	5	5	ND	6	21	1	2	2	34	.13	.228	12	41	.31	377	.15	2	2.60	.02	.08	1	3
L6-500E	1	20	18	131	.1	158	15	1176	3.52	10	5	ND	7	22	1	2	2	49	.15	.131	19	148	1.03	234	.16	3	2.52	.01	.09	1	6
L6-550E	1	20	29	197	.4	42	13	3498	3.04	13	5	ND	3	21	2	2	2	46	.12	.162	13	51	.51	333	.17	3	2.46	.02	.10	1	7
L6-57SE	2	25	20	237	.1	41	13	4758	3.14	6	5	ND	3	24	2	2	2	47	.17	.069	13	64	.60	479	.21	3	1.90	.02	.10	1	8
L6-600E	2	39	31	116	.1	82	14	1965	3.76	6	5	ND	5	29	1	2	2	58	.22	.085	16	69	1.03	200	.18	2	3.10	.02	.11	1	6
L6-650E	2	24	32	210	.1	27	10	1936	3.69	5	5	ND	3	21	1	2	2	49	.15	.118	19	34	.54	219	.11	2	2.50	.02	.09	2	9
L6-67SE	1	26	27	165	.1	88	18	3070	3.63	4	5	ND	4	40	1	2	3	63	.32	.160	16	155	1.15	464	.23	3	2.46	.03	.14	1	11
L6-700E	1	29	18	119	.1	76	12	729	3.56	9	5	ND	3	19	1	2	3	59	.15	.15*	12	72	.85	135	.20	2	3.56	.02	.10	1	12
L6-72SE	1	26	21	105	.1	64	12	940	3.21	9	5	ND	5	17	1	2	2	52	.12	.142	12	70	.72	153	.20	3	3.42	.02	.08	2	8
L6-750E	1	26	26	113	.1	62	15	896	3.75	12	5	ND	10	24	1	2	2	52	.16	.146	15	78	.87	139	.21	4	2.77	.02	.10	1	7
L6-77SE	1	24	20	102	.6	41	11	991	3.74	10	5	ND	6	31	1	2	2	61	.19	.125	16	69	.82	182	.16	4	2.51	.02	.09	1	17
L6-800E	1	25	34	116	.2	49	11	1175	3.70	14	5	ND	5	33	1	2	2	62	.24	.174	16	68	.89	164	.16	3	2.95	.02	.14	2	8
L6-850E	1	25	17	107	.1	48	11	1435	3.11	14	5	ND	7	42	1	2	2	51	.30	.157	16	62	.72	313	.19	4	3.11	.02	.12	2	3
L6-87SE	1	25	26	254	1.5	80	12	867	3.32	29	5	ND	5	22	1	3	2	49	.24	.093	14	62	.90	237	.15	3	2.78	.02	.11	1	4
L6-900E	1	26	18	135	.1	32	11	1548	3.60	13	5	ND	3	25	1	2	3	46	.17	.185	10	36	.57	388	.17	4	3.34	.03	.09	1	6
L6-92SE	1	21	25	129	.1	39	11	1648	2.94	19	5	ND	3	30	1	2	2	52	.25	.134	10	44	.57	401	.16	4	2.75	.03	.11	1	4
L6-950E	1	25	22	170	.1	32	12	3275	3.42	10	5	ND	1	34	1	2	2	55	.20	.19*	12	45	.73	457	.19	2	2.47	.02	.11	1	8
L6-97SE	1	32	19	76	.1	82	10	559	2.87	10	5	ND	4	21	1	2	2	45	.14	.115	17	64	.70	158	.21	6	4.14	.03	.08	1	3
L6-102SE	1	33	28	107	.1	37	10	468	3.67	11	5	ND	3	52	1	2	2	61	.14	.113	12	45	.79	154	.20	7	3.15	.02	.12	1	9
STD C/TAU-S	19	59	42	133	6.9	67	29	1139	4.03	40	18	7	36	52	18	18	19	57	.46	.082	39	67	.92	179	.09	33	1.90	.06	.13	14	47

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUR
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	Z	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	Z	Z	PPH	PPH	Z	PPH	Z	Z	Z	Z	Z	PPH	PPB
L6 1050E	1	22	21	74	.4	28	7	290	2.49	12	5	ND	3	17	1	2	2	38	.10	.178	8	26	.24	138	.19	2	2.77	.02	.06	1	18
L6 1075E	1	25	15	79	.2	44	10	471	2.88	17	5	ND	5	19	1	2	2	46	.13	.225	7	59	.40	177	.20	3	3.26	.02	.09	2	6
L6 1125E	2	29	33	156	.2	99	15	1156	4.29	21	5	ND	4	31	1	2	2	77	.20	.116	11	103	1.19	218	.21	3	3.31	.02	.12	2	12
L6 1150E	2	36	102	200	.3	67	12	2183	3.56	17	5	ND	2	29	2	2	2	63	.42	.142	14	77	.92	150	.10	5	2.94	.02	.15	1	1
L6 1200E	2	31	22	100	.1	82	14	1011	3.41	11	5	ND	1	35	1	2	2	62	.23	.103	14	74	.89	124	.14	4	3.35	.01	.12	1	4
L6 1225E	2	38	49	116	.4	58	13	988	3.42	23	5	ND	1	25	1	2	2	61	.16	.126	14	59	.78	103	.15	3	3.33	.01	.13	1	32
L7 025E	1	19	22	152	.2	123	18	1083	4.29	11	5	ND	4	22	1	2	7	60	.15	.143	14	156	.84	226	.16	3	2.26	.02	.09	1	6
L7 050E	1	22	21	119	.3	164	15	673	3.36	10	5	ND	7	29	1	2	2	47	.14	.094	16	125	.86	199	.17	2	2.82	.02	.10	2	4
L7 075E	1	14	13	112	.5	161	16	848	3.13	6	5	ND	4	26	1	2	2	42	.19	.129	15	136	.83	242	.15	2	2.22	.02	.09	1	5
L7 100E	1	20	17	107	.1	155	16	592	3.75	8	5	ND	8	39	1	2	2	54	.26	.058	20	169	1.18	267	.16	4	2.91	.01	.13	2	1
L7 125E	1	23	12	146	.6	150	18	854	3.69	12	5	ND	8	28	1	2	2	50	.21	.162	17	136	.97	349	.19	2	3.05	.02	.13	1	1
L7 150E	1	16	16	122	.4	136	14	1045	2.98	11	5	ND	7	29	1	2	2	59	.18	.214	12	115	.74	324	.14	2	2.52	.02	.09	1	2
L7 175E	1	17	9	134	.7	151	11	783	2.58	8	5	ND	5	27	1	2	2	39	.17	.219	15	71	.41	219	.15	4	3.74	.04	.11	1	1
L7 200E	1	21	37	205	.5	82	14	2007	2.94	11	5	ND	5	67	1	2	2	41	.43	.192	13	89	.68	512	.16	4	2.10	.02	.12	2	4
L7 225E	1	26	24	172	.1	141	18	1548	4.14	16	5	ND	4	34	1	2	2	58	.19	.237	18	146	1.24	473	.19	3	3.22	.02	.15	1	1
L7 250E	1	24	17	150	.5	120	18	941	4.02	16	5	ND	4	30	1	5	2	55	.20	.178	20	154	1.36	376	.20	2	3.16	.02	.15	2	4
L7 275E	1	26	20	122	1.4	128	13	592	3.40	14	5	ND	7	40	1	5	2	48	.20	.128	15	96	.81	271	.20	3	4.05	.03	.10	3	1
L7 300E	1	23	25	149	.1	124	16	1096	3.71	16	5	ND	5	40	1	2	3	62	.27	.215	18	144	1.14	358	.17	3	2.66	.02	.12	1	1
L7 325E	2	22	18	133	.5	97	14	920	3.38	7	5	ND	8	27	1	2	2	48	.16	.156	14	93	.83	310	.20	4	3.41	.02	.10	2	4
L7 350E	1	26	28	188	.5	115	19	1487	3.91	4	5	ND	7	28	1	4	2	56	.21	.231	18	114	1.13	440	.19	2	3.12	.02	.16	2	4
L7 375E	1	22	26	189	.3	85	19	1581	4.42	5	5	ND	4	44	1	2	2	72	.26	.123	20	111	1.41	612	.23	2	3.43	.02	.18	1	7
L7 400E	1	29	29	140	.4	161	32	1485	3.98	14	5	ND	4	23	1	2	2	56	.13	.146	25	135	.92	310	.15	2	2.52	.01	.11	2	18
L7 425E	1	22	25	129	.3	146	22	990	3.82	15	5	ND	7	26	1	2	2	53	.19	.156	21	124	.84	250	.16	2	2.77	.02	.09	1	15
L7 450E	1	22	18	149	.5	125	17	1113	3.74	13	5	ND	4	27	1	2	2	56	.16	.110	21	130	.98	281	.16	4	2.71	.02	.11	1	3
L7 475E	1	22	16	79	.8	72	10	571	2.43	7	4	ND	7	12	1	2	2	35	.06	.144	11	34	.31	203	.18	2	3.96	.02	.06	1	6
L7 500E	1	15	16	98	.2	57	9	999	2.39	9	5	ND	4	13	1	2	2	34	.09	.147	10	47	.29	196	.15	2	2.33	.02	.06	2	20
L7 525E	2	27	81	169	.3	86	15	1682	3.66	11	5	ND	4	33	2	2	2	56	.17	.109	20	132	1.11	440	.24	3	2.39	.02	.21	1	16
L7 575E	2	31	17	141	.3	94	17	1949	3.79	5	5	ND	5	117	1	2	2	56	.37	.124	19	99	.90	581	.15	2	2.40	.01	.14	1	1
L7 600E	2	24	53	241	.3	68	14	1867	3.61	16	5	ND	2	41	2	2	2	51	.31	.180	12	52	.70	401	.15	2	3.36	.02	.12	1	23
L7 625E	2	25	45	161	.5	86	15	2021	3.44	19	5	ND	5	41	2	3	2	51	.25	.152	16	92	.84	378	.18	4	2.79	.02	.13	3	3
L7 650E	2	37	30	125	.3	66	15	2106	3.74	18	5	ND	3	38	1	2	2	64	.35	.107	15	67	.97	261	.19	3	3.05	.02	.13	2	1
L7 700E	2	46	37	148	.2	86	19	1799	4.10	15	5	ND	3	69	1	2	2	69	.39	.169	28	136	1.46	398	.23	2	3.25	.02	.20	2	1
L7 725E	2	36	91	151	.3	65	14	1297	3.52	28	5	ND	2	40	2	8	3	64	.24	.129	15	78	.86	148	.14	2	2.69	.01	.14	2	10
L7 825E	2	46	32	145	.1	58	17	2124	3.95	21	5	ND	1	74	1	2	2	69	.60	.094	18	73	1.07	247	.13	2	3.31	.02	.17	1	1
L7 875E	2	33	24	128	.4	48	13	1192	3.45	22	5	ND	1	27	1	2	2	58	.15	.100	16	53	.79	109	.13	3	3.18	.01	.14	2	2
L7 900E	2	37	27	141	.2	71	16	1862	4.31	35	5	ND	3	34	1	2	2	70	.21	.095	14	77	.98	117	.15	4	3.11	.02	.12	2	209
STD C/AL-5	19	58	43	132	7.0	69	22	1026	4.01	36	19	7	36	51	18	16	22	57	.45	.089	39	62	.90	180	.09	35	1.90	.06	.13	13	52

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	M	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L7 925E	2	43	27	118	.2	68	14	1421	4.20	20	5	ND	5	38	1	2	3	64	.27	.083	23	72	.88	181	.18	2	3.53	.02	.14	1	4
L7 950E	1	41	32	145	.3	96	18	1587	4.44	20	5	ND	5	54	1	2	2	71	.45	.188	24	71	1.42	427	.26	2	2.98	.02	.30	1	4
L7 975E	1	39	38	149	.2	67	15	1729	3.88	13	5	ND	4	42	1	4	4	44	.32	.134	17	72	1.04	290	.23	2	2.81	.02	.16	2	1
L7 1000E	1	29	27	153	.1	33	9	1500	2.89	4	5	ND	5	29	1	2	2	43	.17	.304	11	35	.52	269	.20	3	3.20	.02	.13	1	1
L7 1025E	2	37	41	155	.4	74	14	1952	4.21	12	5	ND	4	48	1	2	3	75	.39	.069	18	78	1.06	278	.23	4	3.27	.02	.15	2	16
L7 1050E	1	30	29	112	.1	48	12	964	3.25	18	5	ND	4	24	1	2	2	59	.18	.083	11	53	.71	155	.18	4	2.45	.02	.10	1	7
L7 1100E	1	29	21	96	.1	60	10	607	2.73	9	5	ND	4	16	1	2	2	43	.13	.246	9	52	.57	162	.17	6	3.53	.02	.09	2	4
L7 1206E	1	37	18	165	.1	67	10	1134	2.34	7	5	ND	4	55	1	2	2	34	.30	.443	10	47	.48	578	.15	5	2.53	.04	.12	1	6
L7 1225E	1	36	27	92	.6	110	11	859	3.19	12	6	ND	5	50	1	2	2	59	.33	.075	27	128	.65	271	.22	4	4.13	.04	.10	1	12
L8 025E	1	23	23	141	.1	225	22	424	4.55	10	5	ND	5	30	1	2	2	68	.24	.128	18	181	1.47	235	.18	4	3.51	.01	.15	1	1
L8 050E	1	17	17	84	.2	123	17	805	3.44	2	5	ND	5	42	1	2	2	53	.26	.040	19	184	1.01	228	.16	2	1.61	.02	.13	1	15
L8 075E	1	24	17	124	.7	66	11	574	3.09	3	5	ND	5	33	1	2	2	49	.23	.093	15	78	.90	283	.19	2	3.09	.02	.18	2	1
L8 100E	1	28	21	135	1.3	163	16	1157	3.27	8	6	ND	6	48	1	2	2	48	.30	.136	22	99	.79	270	.19	2	4.02	.03	.14	1	1
L8 125E	1	23	15	122	.2	110	14	1029	3.10	5	5	ND	5	21	1	2	2	41	.17	.206	15	111	.71	232	.16	2	2.81	.02	.10	1	1
L8 150E	1	22	21	113	.2	95	13	1175	3.07	6	5	ND	4	17	1	2	2	45	.12	.211	10	84	.68	261	.19	3	3.61	.02	.08	1	1
L8 175E	1	21	20	112	.4	134	15	566	3.53	9	5	ND	6	21	1	2	2	50	.19	.136	18	134	.88	230	.17	2	2.84	.02	.10	1	1
L8 200E	1	20	19	113	.8	104	11	1008	2.83	12	5	ND	4	26	1	2	2	40	.22	.197	15	81	.70	354	.19	4	3.25	.03	.12	1	1
L8 225E	1	20	23	127	.6	114	13	1370	2.52	14	7	ND	4	20	1	4	2	34	.17	.229	11	83	.57	287	.14	3	2.38	.02	.10	2	1
L8 250E	1	16	11	86	.1	93	11	431	2.70	2	5	ND	4	17	1	2	2	38	.15	.093	16	115	.78	157	.12	2	1.72	.01	.07	1	3
L8 275E	1	21	16	124	.6	51	9	1418	2.30	6	5	ND	3	19	1	2	2	32	.11	.294	9	48	.35	291	.16	4	2.78	.03	.08	2	1
L8 300E	1	27	17	121	.1	109	13	593	3.41	10	5	ND	4	20	1	2	2	51	.16	.130	19	114	.94	253	.17	3	2.89	.02	.11	1	4
L8 325E	1	22	46	172	.1	83	16	1257	3.78	14	5	ND	5	20	1	2	2	58	.12	.100	18	125	.98	199	.18	3	2.51	.01	.14	1	2
L8 350E	1	26	30	154	.4	101	14	815	3.50	9	5	ND	5	26	1	2	2	53	.18	.178	16	97	.95	335	.21	6	4.07	.03	.14	3	1
L8 375E	1	24	20	143	.5	135	17	976	4.07	5	5	ND	6	38	1	2	2	62	.24	.124	22	139	1.36	448	.23	3	3.67	.02	.19	1	2
L8 400E	1	18	26	181	.2	138	17	1702	3.11	8	5	ND	5	25	1	2	2	41	.15	.295	15	87	.63	416	.17	5	2.94	.02	.11	2	2
L8 425E	2	24	28	119	.1	178	16	530	4.03	19	5	ND	8	19	1	4	2	58	.12	.127	25	143	1.06	156	.17	3	2.86	.01	.10	2	1
L8 450E	1	29	72	134	.3	252	22	1127	4.03	42	6	ND	7	28	1	2	2	55	.24	.094	26	189	1.31	195	.13	5	2.30	.01	.13	1	4
L8 475E	1	24	28	137	.3	215	20	1223	4.45	15	5	ND	8	32	1	3	2	62	.20	.047	25	184	1.15	320	.17	4	2.66	.01	.13	1	30
L8 500E	1	21	24	104	.1	118	14	1178	3.21	3	5	ND	7	22	1	2	2	47	.13	.134	18	95	.68	247	.18	2	2.95	.02	.08	1	1
L8 525E	2	35	75	156	.6	97	14	1524	3.21	15	5	ND	4	47	2	3	2	46	.28	.115	17	86	.67	446	.14	5	2.23	.02	.13	1	14
L8 550E	2	33	38	181	.3	80	20	5204	3.21	18	5	ND	2	126	2	2	2	45	.61	.097	18	76	.57	1257	.08	6	1.99	.01	.13	1	5
L8 575E	2	32	20	168	.3	66	12	2143	3.09	10	5	ND	5	44	1	2	2	45	.31	.177	13	68	.72	275	.19	4	3.13	.03	.10	2	2
L8 625E	2	34	24	115	.1	54	15	1376	2.98	12	5	ND	1	72	1	2	2	47	.34	.105	13	52	.58	153	.14	3	2.81	.02	.10	1	2
L8 650E	1	47	30	256	.6	41	14	3964	2.80	14	5	ND	2	142	4	2	2	40	1.27	.274	14	36	.56	450	.12	7	2.55	.02	.17	1	1
L8 675E	2	50	65	247	.2	84	22	3607	3.70	20	5	ND	3	99	3	2	2	56	.81	.157	31	146	1.41	736	.24	5	2.32	.02	.40	1	2
L8 700E	2	66	322	234	.3	91	23	2284	4.45	38	5	ND	4	74	6	2	2	73	.76	.184	29	170	1.57	639	.25	4	2.75	.03	.35	1	18
STD C/AN-S	19	60	42	133	7.6	89	29	1034	4.08	38	17	7	38	47	18	16	22	58	.47	.081	40	61	.89	185	.09	30	1.86	.06	.14	13	50

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	HA	K	W	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
LB 77SE	2	47	80	170	.4	70	15	2157	3.58	20	5	ND	2	80	2	2	65	.65	.152	31	91	1.02	262	.13	5	2.86	.02	.17	2	1	
LB 800E	2	48	43	109	.1	88	18	1481	4.28	13	5	ND	2	121	1	2	77	.74	.125	24	108	1.50	307	.16	6	3.57	.02	.34	1	1	
LB 825E	2	52	74	235	.2	80	22	2285	4.74	44	5	ND	2	66	2	2	77	.48	.114	25	94	1.28	272	.16	2	3.68	.02	.25	1	1	
LB 850E	1	59	76	225	.4	45	18	1825	4.05	39	5	ND	1	144	3	2	74	1.17	.177	20	63	1.25	288	.18	3	3.64	.05	.27	1	5	
LB 875E	2	45	74	165	.4	52	19	2990	4.04	36	8	ND	3	65	1	2	68	.46	.116	17	56	.84	212	.14	3	3.31	.02	.16	1	3	
LB 950E	1	37	30	135	.2	127	21	2147	4.49	105	5	ND	4	35	1	2	67	.25	.139	17	89	1.27	235	.19	2	3.40	.02	.12	3	1	
LB 975E	2	37	35	131	.2	62	16	2240	3.60	21	5	ND	4	46	1	2	59	.30	.166	18	65	.99	260	.19	2	3.19	.02	.15	1	1	
LB 1000E	1	37	27	120	.1	41	13	2037	3.49	8	5	ND	3	71	1	2	61	.29	.070	17	37	.69	240	.22	3	3.74	.02	.12	1	1	
LB 1025E	1	38	30	138	.1	33	12	2440	3.42	15	5	ND	3	52	1	2	59	.42	.079	15	38	.67	258	.18	3	2.90	.02	.13	1	1	
LB 1050E	2	44	49	175	.1	91	19	3645	4.25	24	5	ND	3	79	2	2	75	.56	.107	17	94	1.14	457	.20	2	2.94	.02	.19	1	1	
LB 1100E	1	53	24	90	.1	44	10	360	3.46	13	5	ND	3	24	1	2	65	.11	.157	15	50	.78	98	.19	2	3.58	.02	.11	1	1	
LB 1125E	1	38	23	132	.1	40	14	2349	3.61	12	5	ND	4	58	1	2	65	.32	.094	14	43	.65	293	.20	3	3.11	.02	.14	1	1	
LB 1150E	2	41	42	128	.3	59	17	2657	3.28	10	5	ND	1	70	1	2	58	.40	.173	21	59	.73	207	.14	5	3.23	.02	.14	1	4	
LB 1175E	1	37	33	118	.3	49	15	1722	3.33	6	5	ND	3	43	1	2	60	.33	.113	13	48	.77	199	.16	3	2.75	.02	.13	1	7	
LB 1200E	2	37	32	158	.2	50	15	2550	3.57	11	5	ND	4	73	1	2	58	.35	.350	14	57	.82	470	.21	4	3.12	.02	.17	1	3	
LB 1225E	1	34	17	182	.2	69	13	1468	3.19	5	5	ND	4	64	2	2	50	.39	.355	16	61	.73	403	.22	2	3.49	.03	.15	1	1	
LB 1250E	1	27	21	158	.3	67	10	715	2.62	13	5	ND	5	48	1	2	36	.31	.260	10	37	.41	332	.21	3	3.97	.03	.11	1	82	
L9 025E	1	24	19	120	.3	293	22	504	4.19	7	5	ND	6	30	1	2	40	.20	.120	15	216	2.09	200	.17	7	3.19	.02	.11	3	1	
L9 050E	1	14	17	87	.1	154	14	621	3.02	3	5	ND	5	23	1	2	42	.15	.157	13	145	.94	211	.15	3	1.95	.02	.07	1	1	
L9 075E	1	27	18	88	.4	214	19	485	4.06	19	5	ND	7	40	1	2	62	.35	.079	27	235	1.67	148	.18	3	2.38	.02	.10	2	12	
L9 100E	1	20	26	117	.2	114	15	834	2.99	8	5	ND	4	24	1	2	42	.16	.248	13	104	.71	208	.17	2	3.23	.03	.07	1	1	
L9 125E	1	23	21	113	.5	117	15	673	3.35	11	5	ND	7	29	1	2	49	.21	.193	17	110	.85	236	.17	5	3.43	.02	.10	3	1	
L9 150E	1	26	25	145	1.1	107	16	1562	3.10	12	5	ND	5	24	1	3	45	.17	.179	16	103	.74	232	.18	2	2.96	.02	.09	2	1	
L9 175E	1	21	18	149	1.2	119	14	757	3.11	8	5	ND	8	25	1	2	44	.16	.287	15	105	.67	244	.17	6	3.19	.02	.10	1	1	
L9 200E	1	17	20	111	.5	74	12	898	2.96	8	5	ND	4	22	1	2	40	.10	.302	11	91	.40	199	.16	5	2.70	.03	.07	1	3	
L9 225E	2	21	25	147	.3	90	12	1407	3.11	16	5	ND	5	20	1	2	44	.13	.271	11	95	.63	211	.18	3	3.03	.02	.10	1	1	
L9 250E	1	17	21	117	.4	47	11	1405	2.50	13	5	ND	2	20	1	2	34	.14	.249	8	53	.36	241	.16	2	2.43	.02	.06	1	1	
L9 300E	1	25	19	145	.2	53	12	2672	2.84	9	5	ND	2	20	1	2	41	.11	.271	11	59	.57	357	.18	2	3.08	.02	.09	1	1	
L9 325E	1	26	20	143	.1	120	18	2744	3.57	8	5	ND	5	38	1	2	51	.21	.132	19	129	1.03	416	.18	2	2.75	.02	.13	1	8	
L9 350E	1	26	26	138	.2	155	20	1153	4.33	14	5	ND	10	31	1	2	3	66	.22	.120	20	175	1.37	293	.19	3	2.74	.02	.13	3	1
L9 375E	1	22	36	156	.4	125	18	1489	3.65	12	5	ND	5	31	1	2	53	.23	.181	19	136	1.14	317	.18	4	2.77	.02	.12	1	1	
L9 400E	1	26	28	138	.3	161	21	1214	4.18	18	5	ND	7	25	1	3	40	.16	.130	22	163	1.21	231	.18	4	3.08	.02	.11	2	7	
L9 425E	1	21	35	161	.4	80	13	1945	2.89	10	5	ND	4	25	1	2	2	41	.12	.229	14	51	.54	371	.19	5	3.48	.02	.08	1	1
L9 450E	1	23	29	84	.2	111	9	390	4.16	11	5	ND	6	18	1	2	68	.06	.074	22	164	.62	173	.11	5	2.18	.01	.08	1	3	
L9 500E	1	24	39	153	.3	173	20	1180	4.31	26	5	ND	4	38	1	2	61	.20	.105	21	171	.99	301	.15	2	2.57	.01	.11	1	1	
L9 525E	1	27	36	137	.4	104	21	2231	4.58	11	5	ND	5	44	1	2	3	79	.21	.120	25	145	1.42	432	.25	3	2.78	.01	.29	1	14
STD C/AU-5	18	59	40	128	7.2	66	29	1107	3.83	37	16	8	37	50	18	18	20	55	.47	.081	38	60	.88	175	.08	35	1.81	.04	.14	11	49

SAMPLE#	MO	CU	PB	ZH	AG	NI	CO	MM	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	M	AU
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	%	%	%	PPH	PPH	PPH
L9 575E	1	2*	21	114	.1	82	15	1461	3.52	9	5	ND	3	42	1	2	3	51	.24	.092	17	86	.77	359	.17	2	2.67	.02	.10	1	5
L9 600E	1	24	18	246	.1	58	14	16a2	3.58	11	5	ND	3	32	1	2	2	47	.22	.180	13	96	.95	284	.19	2	2.82	.02	.09	1	2
L9 625E	1	35	51	239	.1	117	17	1*41	3.93	52	5	ND	3	49	3	3	2	61	.37	.131	16	124	1.21	228	.17	3	2.52	.02	.14	1	7
L9 650E	2	43	46	130	.1	42	13	1580	2.94	21	10	ND	1	78	1	2	2	47	.32	.151	14	44	.61	154	.11	4	3.21	.02	.11	1	5
L9 750E	1	43	36	104	.1	94	18	1240	4.14	17	6	ND	2	73	1	2	2	71	.58	.163	24	139	1.42	304	.20	4	2.90	.02	.21	1	4
L9 800E	1	44	47	153	.1	83	20	1373	4.57	30	5	ND	1	59	1	2	2	79	.38	.119	26	105	1.43	234	.17	2	3.96	.02	.24	1	3
L9 825E	1	52	48	220	.8	68	19	1780	4.72	7*	5	ND	1	80	1	3	2	68	.88	.114	25	72	1.21	202	.15	4	3.41	.02	.23	1	6
L9 850E	1	22	26	117	.1	145	16	1017	3.14	14	5	ND	4	20	1	2	2	44	.16	.102	15	107	.81	184	.18	2	3.23	.02	.08	1	8
L9 875E	1	41	55	121	.1	69	17	1424	3.62	27	5	ND	1	63	1	2	4	65	.60	.104	17	74	1.27	229	.18	2	3.34	.02	.20	1	1
L9 900E	1	42	40	112	.1	125	19	1469	3.89	23	5	ND	1	58	1	2	2	45	.42	.093	17	131	1.28	198	.15	4	3.24	.02	.15	1	3
L9 950E	1	39	31	158	.1	65	15	1350	3.70	38	5	ND	1	57	1	2	2	59	.48	.181	20	64	1.07	254	.19	4	3.52	.02	.16	1	2
L9 1000E	1	53	44	168	.1	36	12	2374	3.02	20	5	ND	1	160	1	2	2	50	.80	.157	15	35	.68	306	.14	4	2.57	.02	.13	2	3
L* 1025E	2	51	54	186	.4	58	16	2270	3.42	26	5	ND	1	140	2	2	4	57	.81	.141	15	63	.94	317	.13	5	2.91	.02	.19	1	4
L9 1050E	1	44	35	144	.1	36	15	2555	3.78	17	8	ND	2	81	2	3	4	71	.78	.081	14	40	.86	344	.16	4	3.85	.02	.20	1	1
L9 1075E	2	41	18	134	.1	31	12	1675	3.59	10	5	ND	1	53	1	2	2	44	.27	.098	13	30	.62	204	.19	2	3.36	.02	.12	1	3
L9 1225E	2	34	26	141	.1	70	14	714	4.13	18	5	ND	5	34	1	2	5	77	.27	.075	13	74	1.04	227	.25	3	2.93	.02	.14	1	7
L9 1250E	2	35	28	97	.2	82	14	1244	3.48	12	5	ND	4	49	1	2	3	61	.28	.114	20	73	.97	221	.21	5	3.79	.02	.14	1	2
L10 025E	1	23	21	120	.1	147	17	1061	3.23	14	5	ND	4	20	1	2	5	46	.16	.107	15	109	.84	192	.18	3	3.38	.02	.08	1	1
L10 050E	1	20	24	108	.1	150	17	964	3.86	11	5	ND	2	21	1	2	2	55	.16	.078	17	172	1.08	138	.15	3	2.02	.01	.08	1	5
L10 075E	1	22	20	118	.5	161	19	1098	3.44	8	5	ND	6	28	1	2	2	48	.22	.117	19	156	1.12	200	.19	2	2.85	.02	.09	1	19
L10 100E	1	2*	27	115	.4	134	17	607	3.63	13	5	ND	5	41	1	2	3	51	.31	.171	20	160	1.29	326	.22	2	2.87	.02	.13	2	1
L10 125E	1	22	22	115	.1	149	18	1362	3.16	16	5	ND	4	17	1	2	3	42	.12	.262	12	115	.82	192	.16	2	2.84	.02	.07	1	1
L10 150E	1	25	26	107	.1	284	22	701	4.31	14	5	ND	6	22	1	2	3	60	.20	.080	19	221	1.43	177	.19	5	3.09	.02	.11	1	1
L10 175E	1	36	19	87	.3	108	15	551	3.38	6	5	ND	6	24	1	2	4	52	.15	.155	19	114	1.02	158	.22	2	4.31	.03	.09	2	1
L10 200E	1	28	18	116	.3	95	16	1008	3.15	11	5	ND	5	34	1	2	2	50	.22	.233	13	104	1.10	289	.22	4	3.41	.02	.14	1	1
L10 225E	1	25	18	118	.1	66	12	770	3.02	23	5	ND	3	21	1	2	2	43	.12	.316	9	69	.64	225	.19	2	4.15	.02	.08	1	1
L10 250E	1	31	35	132	.3	145	21	1552	4.23	27	5	ND	6	40	1	2	5	65	.24	.185	20	132	1.26	371	.17	2	3.21	.01	.13	2	1
L10 275E	1	30	48	152	.2	132	21	1918	4.24	27	5	ND	5	52	2	2	2	43	.34	.131	23	132	1.23	279	.15	2	2.89	.01	.16	2	17
L10 300E	1	30	61	138	.3	125	19	1350	3.47	27	5	ND	2	33	2	2	4	51	.21	.127	19	120	1.00	201	.15	2	2.57	.02	.11	2	2
L10 325E	1	35	34	139	.5	223	26	1391	4.77	28	5	ND	6	53	1	2	2	72	.38	.076	25	191	1.96	386	.23	4	3.29	.02	.18	2	1
L10 350E	1	35	41	125	.2	164	25	1405	5.00	17	5	ND	4	86	1	2	3	88	.46	.150	23	201	2.28	523	.25	2	3.20	.02	.42	1	1
L10 375E	1	36	34	149	.1	127	20	1913	4.33	15	5	ND	3	73	1	2	3	64	.36	.162	19	112	1.13	511	.19	5	3.20	.02	.14	1	46
L10 425E	1	34	117	171	.5	172	25	1971	4.38	19	6	ND	3	44	2	2	3	62	.23	.145	26	158	1.30	291	.14	2	2.51	.01	.16	1	2
L10 450E	3	50	137	169	.6	82	27	3744	4.12	42	5	ND	2	29	3	9	2	51	.20	.194	26	72	.70	372	.07	2	2.53	.01	.15	1	8
L10 475E	1	38	46	148	.1	131	22	1748	4.07	24	5	ND	4	44	1	3	2	54	.27	.135	22	110	1.20	373	.14	2	2.68	.01	.19	1	6
L10 500E	1	39	56	151	.1	147	26	1683	4.63	17	5	ND	5	41	1	2	4	68	.24	.145	26	147	1.81	426	.21	2	3.36	.01	.32	1	3
STD C/AU-S	19	62	38	133	7.3	67	30	1045	4.06	44	19	7	38	53	18	17	19	58	.46	.081	40	63	.92	179	.09	35	1.92	.06	.13	13	51

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	HA	K	V	AUR
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	I	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	I	PPH	I	PPH	I	I	I	PPH	PPH
L10 52SE	1	39	33	163	.1	134	23	1714	4.50	14	5	ND	3	87	1	2	2	62	.65	.233	29	137	1.52	574	.15	2	3.29	.01	.31	1	9
L10 550E	1	31	23	295	.3	55	12	2139	2.61	11	5	ND	3	86	4	2	2	30	.63	.620	17	49	.48	1052	.14	4	3.13	.03	.14	1	8
L10 57SE	1	30	28	295	.1	69	14	2491	3.44	9	5	ND	3	69	3	2	2	45	.58	.292	16	72	.79	826	.16	5	2.66	.03	.18	1	3
L10 600E	1	40	45	194	.1	53	15	2826	3.34	11	5	ND	1	77	2	2	2	51	1.22	.181	15	72	.97	435	.13	6	2.68	.03	.24	1	9
L10 62SE	1	46	28	194	.1	50	13	3770	3.01	10	5	ND	1	83	2	2	2	44	1.44	.139	14	67	1.16	345	.11	9	2.76	.04	.25	1	18
L10 650E	1	39	22	187	.2	64	13	1254	3.37	21	5	ND	5	55	2	2	2	51	.63	.201	21	63	.80	339	.21	5	4.10	.03	.20	2	4
L10 67SE	1	42	27	160	.2	72	16	2130	3.94	32	5	ND	4	58	1	2	2	60	.88	.321	20	83	.99	468	.20	6	3.57	.03	.21	2	12
L10 700E	1	41	39	207	.1	84	21	3197	4.16	22	5	ND	2	53	2	2	2	60	.82	.188	19	112	1.16	489	.17	7	3.02	.02	.25	2	5
L10 72SE	1	32	18	171	.1	55	14	3663	3.28	15	5	ND	1	102	2	2	2	46	.94	.276	16	74	.75	681	.15	5	2.68	.03	.16	1	5
L10 750E	1	41	23	133	.5	87	15	899	3.73	23	5	ND	6	52	1	3	2	57	.49	.098	21	86	.94	216	.21	6	3.87	.03	.15	1	11
L10 77SE	1	32	34	176	.2	90	16	1663	3.85	26	5	ND	2	69	1	2	2	59	.76	.136	15	99	1.00	250	.17	5	2.93	.03	.18	1	16
L10 800E	1	49	78	191	.3	115	18	1526	4.07	60	5	ND	1	89	3	2	2	66	1.08	.143	20	119	1.33	219	.12	7	2.88	.03	.21	1	11
L10 82SE	1	37	34	125	.1	109	17	1417	3.87	35	5	ND	2	62	1	2	2	61	.62	.118	18	109	1.21	223	.15	4	2.75	.02	.20	1	18
L10 850E	1	53	23	165	.2	100	17	1712	3.91	47	6	ND	1	69	1	2	2	61	.87	.099	22	105	1.18	194	.16	6	2.82	.02	.18	1	17
L10 87SE	1	40	28	151	.3	95	17	1838	3.92	29	5	ND	2	87	1	2	2	63	.93	.090	20	105	1.19	253	.16	4	2.81	.02	.22	2	11
L10 900E	1	46	43	139	.3	99	20	1344	4.11	40	8	ND	3	68	1	2	2	69	.78	.106	21	121	1.55	296	.19	4	3.34	.02	.35	1	7
L10 92SE	1	39	32	138	.1	40	19	1524	5.44	8	5	ND	5	110	1	2	2	85	.94	.193	45	45	1.77	400	.25	3	2.80	.02	.58	1	9
L10 97SE	1	43	22	107	.4	50	14	2202	3.62	16	5	ND	3	47	1	2	2	61	.44	.140	19	60	.82	391	.22	4	3.70	.02	.17	1	7
L10 1000E	1	29	22	143	.2	68	15	1168	3.53	21	5	ND	2	46	1	2	2	57	.44	.077	14	64	.88	291	.21	5	3.42	.03	.20	1	5
L10 102SE	1	37	18	122	.3	39	13	1119	3.57	32	5	ND	4	47	1	2	2	54	.44	.052	19	41	.63	178	.22	6	4.22	.03	.16	2	8
L10 1100E	1	27	11	110	.1	28	8	950	2.61	8	5	ND	3	35	1	2	2	38	.28	.200	11	30	.45	199	.21	2	3.81	.04	.11	1	7
L10 1150E	1	37	50	136	.4	30	11	1709	3.34	11	7	ND	3	59	1	2	2	58	.48	.138	14	41	.77	275	.18	4	3.38	.03	.21	1	19
L10 117SE	1	39	21	111	.1	37	12	1760	3.35	2	5	ND	2	48	1	2	2	56	.43	.097	18	44	.72	205	.20	2	3.55	.02	.12	1	12
L10 1200E	2	31	26	128	.1	27	11	1544	3.24	13	5	ND	1	25	1	3	2	53	.23	.122	16	34	.61	149	.14	4	3.86	.02	.13	1	7
L10 122SE	1	36	32	110	.1	44	12	1589	3.33	7	5	ND	2	38	1	2	2	55	.39	.078	16	45	.71	169	.18	6	3.58	.02	.14	1	1
L10 1250E	1	54	32	140	.4	37	12	2616	2.96	11	6	ND	2	61	1	2	2	49	.99	.081	15	39	.65	268	.15	6	3.03	.03	.14	1	12
L11 25E	1	16	23	129	.1	164	18	1123	3.98	16	5	ND	5	28	1	2	2	57	.27	.084	21	176	1.07	194	.16	3	2.27	.01	.11	1	9
L11 50E	1	22	25	118	.4	115	14	884	3.03	13	5	ND	7	15	1	3	2	41	.12	.160	15	92	.74	141	.17	4	3.16	.02	.09	1	3
L11 75E	1	21	30	117	.3	62	11	1499	2.63	12	5	ND	3	14	2	2	2	37	.09	.268	10	52	.46	161	.17	3	3.60	.02	.05	1	6
L11 100E	1	21	74	145	.2	167	20	1727	3.57	22	5	ND	3	23	2	2	2	49	.22	.131	20	159	1.07	174	.14	3	2.23	.02	.11	1	15
L11 12SE	1	20	28	111	.3	225	23	914	4.21	15	5	ND	6	26	1	2	6	59	.22	.085	25	204	1.42	168	.16	4	2.61	.01	.11	1	6
L11 150E	1	21	20	118	.2	80	13	1582	2.74	14	5	ND	3	24	1	4	2	36	.18	.241	9	82	.61	192	.16	2	2.42	.02	.08	1	1
L11 17SE	1	24	35	124	.2	215	20	818	4.41	24	5	ND	8	25	1	2	3	64	.22	.106	21	218	1.62	219	.18	2	2.56	.02	.11	1	9
L11 200E	1	33	23	114	.5	141	25	782	5.12	10	5	ND	7	56	1	2	2	89	.47	.115	26	288	2.63	421	.33	2	3.61	.03	.35	1	5
L11 22SE	2	34	100	171	.1	88	25	1990	5.32	25	5	ND	3	73	3	2	2	94	.77	.146	26	218	1.99	506	.30	2	2.78	.03	.46	1	4
L11 250E	1	30	37	131	.1	125	20	1275	4.60	16	5	ND	5	44	1	2	2	78	.46	.141	24	180	1.71	353	.25	2	3.41	.02	.22	1	11
STD C/AU-5	19	62	37	134	7.3	68	29	1031	4.16	42	15	7	38	48	18	21	22	58	.48	.080	40	62	.90	184	.09	30	1.88	.06	.13	12	49

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE I	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BT PPH	V PPH	CA I	P I	LA PPH	CR PPH	MG I	BA PPH	TI I	B PPH	AL I	NA I	K I	M PPH	AUX PPB
L11 275E	1	26	26	149	.1	150	21	1332	4.19	13	5	ND	5	42	1	2	2	63	.28	.123	19	141	1.80	443	.26	5	2.97	.02	.31	1	3
L11 300	1	29	42	141	.2	147	21	1620	4.66	28	5	ND	8	50	1	2	4	70	.32	.111	23	149	1.50	450	.18	4	3.17	.01	.22	1	7
L11 325E	1	27	38	136	.1	136	20	1379	4.14	26	5	ND	5	38	1	3	3	63	.31	.133	24	135	1.35	216	.16	4	2.93	.01	.22	1	11
L11 375E	1	42	52	179	.5	133	21	2092	4.52	32	5	ND	5	98	2	2	3	71	.70	.171	25	128	1.75	581	.19	3	2.97	.01	.41	1	3
L11 425E	1	35	39	149	.1	173	24	1631	4.31	16	5	ND	2	102	2	2	6	62	.51	.192	22	153	1.82	549	.15	6	2.82	.01	.44	1	1
L11 450E	2	39	63	170	.4	62	19	2454	3.96	15	5	ND	2	62	2	2	4	56	.41	.157	19	78	1.11	425	.12	4	2.64	.01	.26	1	5
L11 475E	1	44	31	113	.5	44	13	1780	2.98	11	5	ND	2	225	2	4	2	37	1.08	.293	19	46	.74	550	.07	6	2.72	.01	.21	1	2
L11 500E	1	40	45	154	.1	95	18	1859	5.71	7	5	ND	1	101	2	2	4	51	.71	.153	20	94	1.21	463	.13	7	2.90	.01	.32	1	6
L11 525E	2	44	77	199	.2	75	16	2823	2.97	10	5	ND	1	148	5	2	2	58	1.45	.147	15	70	.93	753	.11	7	2.28	.01	.26	1	14
L11 550E	2	39	42	221	.3	67	14	2478	5.38	12	5	ND	4	65	3	2	2	43	.60	.229	16	61	.88	577	.15	7	3.00	.02	.20	1	18
L11 575E	1	49	49	141	.1	32	13	4502	5.59	9	5	ND	2	100	1	2	2	53	1.19	.181	16	43	.91	582	.14	7	3.47	.03	.30	1	6
L11 600E	1	44	36	148	.1	72	15	1654	4.34	23	5	ND	3	63	1	2	5	68	.38	.130	20	84	1.37	285	.20	5	3.60	.03	.21	1	1
L11 650E	1	37	32	140	.1	53	11	2417	3.31	12	5	ND	2	54	1	2	2	49	.56	.131	17	53	.81	268	.18	6	3.54	.02	.16	1	5
L11 700E	1	37	32	130	.1	70	17	2114	3.62	19	5	ND	3	90	1	2	6	56	.77	.167	18	89	1.18	258	.17	6	3.13	.02	.19	1	4
L11 750E	1	32	31	160	.1	89	15	1554	3.52	22	5	ND	5	69	1	2	2	52	.56	.230	14	92	1.07	366	.17	5	2.78	.02	.23	1	11
L11 775E	1	41	32	138	.4	107	17	1167	4.02	27	5	ND	4	78	1	2	5	61	.68	.180	19	111	1.34	422	.18	4	3.18	.02	.28	1	27
L11 800E	1	37	46	161	.1	79	13	1156	3.31	19	5	ND	4	65	1	2	2	49	.53	.236	19	85	.98	413	.18	7	3.20	.03	.20	1	8
L11 825E	2	28	32	193	.2	72	14	2281	3.55	23	5	ND	3	47	2	2	2	49	.34	.259	14	74	.92	434	.16	6	2.97	.02	.17	1	7
L11 850E	1	38	39	141	.1	85	16	1416	3.94	30	5	ND	4	55	1	2	3	59	.48	.152	18	89	1.16	325	.19	6	3.53	.02	.22	1	5
L11 875E	1	36	41	133	.1	89	16	1550	3.77	26	5	ND	4	73	1	2	3	59	.68	.142	16	92	1.24	368	.17	6	3.14	.02	.28	1	14
L11 900E	1	29	71	150	.2	78	14	1467	3.28	23	5	ND	2	66	2	2	2	51	.65	.149	14	79	1.01	299	.15	7	2.73	.02	.18	1	7
L11 925E	1	40	38	149	.1	98	17	1245	4.08	37	5	ND	3	67	1	2	4	65	.62	.109	20	98	1.36	208	.19	3	3.30	.02	.25	1	12
L11 950E	1	32	34	128	.1	79	15	1574	4.04	27	5	ND	3	65	1	2	6	65	.58	.097	18	83	1.28	281	.20	5	3.21	.02	.25	2	6
L11 975E	1	33	48	126	.1	74	15	1416	3.68	23	5	ND	2	57	1	2	4	61	.47	.123	18	82	1.18	239	.17	5	3.48	.02	.22	1	16
L11 1050E	1	31	2	118	.1	64	11	672	3.06	67	5	ND	3	76	1	2	2	48	.62	.065	21	57	.75	104	.22	5	3.81	.04	.10	1	13
L11 1075E	1	37	23	193	.1	57	14	2512	3.29	27	5	ND	3	51	1	2	2	49	.44	.157	14	62	.78	294	.16	3	2.93	.02	.16	1	12
L11 1100E	1	27	21	173	.1	62	13	1433	3.29	63	5	ND	3	42	1	3	2	51	.36	.085	10	54	.83	276	.28	3	3.82	.03	.25	1	14
L11 1150E	1	31	30	144	.3	52	14	1618	3.68	20	5	ND	4	69	1	2	2	61	.51	.106	14	45	1.20	353	.25	3	3.51	.02	.32	1	15
L11 1225E	1	33	20	134	.1	59	14	3836	3.48	23	5	ND	3	83	1	2	2	59	.53	.208	14	56	.83	578	.17	5	3.55	.02	.25	2	3
L12 25E	1	26	29	130	.2	179	20	1242	3.77	19	5	ND	5	28	1	2	3	53	.20	.112	23	141	1.25	179	.14	2	2.64	.01	.13	1	4
L12 50E	1	25	112	177	.1	157	19	1684	3.39	30	5	ND	3	46	3	2	2	47	.37	.123	19	126	1.09	203	.11	2	1.95	.01	.11	1	6
L12 75E	1	23	33	141	.1	92	14	1374	3.14	27	5	ND	6	41	1	2	4	46	.31	.098	14	78	.97	247	.20	2	2.99	.02	.20	1	9
L12 100E	1	34	26	146	.3	201	27	1224	4.01	33	5	ND	4	126	2	2	2	52	.45	.124	22	171	1.36	371	.14	4	2.38	.01	.16	1	6
L12 125E	1	42	30	141	.1	187	27	1578	4.17	24	5	ND	4	89	1	3	2	61	.50	.145	21	194	1.91	500	.22	6	2.55	.02	.32	1	11
L12 150E	1	37	18	136	.1	148	22	1095	3.94	15	5	ND	5	87	1	2	2	60	.58	.170	21	206	1.96	408	.24	4	3.16	.02	.32	1	5
L12 175E	1	41	31	156	.4	131	29	1650	4.60	26	5	ND	4	120	2	4	2	76	.84	.129	22	193	2.18	467	.22	5	2.70	.03	.49	2	6
STD C/AU-S	18	60	36	131	7.3	67	29	1681	4.07	41	17	8	38	52	18	17	21	57	.47	.082	39	61	.92	181	.09	31	1.93	.06	.14	14	48



SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	RI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPM
L12 200E	1	43	25	133	.2	157	27	1352	5.25	20	5	ND	8	78	1	2	2	87	.56	.131	27	202	2.32	388	.28	2	3.36	.03	.43	1	3
L12 250E	1	36	35	133	.3	180	25	1550	4.83	24	5	ND	6	141	1	7	2	78	.56	.126	26	176	1.75	422	.21	7	3.15	.02	.49	1	33
L12 275E	1	42	38	128	.6	162	25	1221	4.96	20	5	ND	8	89	1	2	3	83	.60	.130	34	168	1.94	633	.29	2	3.46	.02	.75	1	4
L12 300E	1	48	77	212	.2	135	28	2501	4.59	31	5	ND	4	60	1	2	2	67	.45	.149	22	136	1.47	560	.17	6	2.88	.01	.37	1	2
L12 325E	1	47	37	154	.2	80	17	1510	3.74	13	5	ND	1	205	2	2	2	57	1.43	.208	24	89	1.31	466	.12	7	2.68	.02	.41	1	1
L12 350E	1	43	46	160	.5	140	18	1407	3.37	23	5	ND	1	140	2	2	2	46	1.22	.159	25	100	1.06	314	.08	4	2.41	.02	.26	1	5
L12 375E	1	49	49	166	.1	182	24	1469	4.19	27	5	ND	3	91	2	2	2	59	.79	.151	26	162	1.49	263	.11	3	2.15	.02	.32	1	6
L12 400E	1	47	39	146	.5	121	17	1514	3.55	22	5	ND	3	66	1	2	2	52	.62	.148	20	100	1.07	296	.14	6	2.45	.02	.23	1	2
L12 425E	1	51	30	175	.2	140	21	2161	4.28	29	5	ND	3	85	1	2	2	63	.87	.148	22	127	1.34	402	.17	5	2.90	.02	.27	1	8
L12 450E	1	51	38	132	.5	114	20	1986	4.29	28	5	ND	4	89	1	2	2	68	.83	.108	21	115	1.39	323	.16	4	3.04	.02	.30	1	5
L12 475E	1	57	23	133	.5	68	16	1599	3.66	25	5	ND	4	107	1	2	2	57	1.21	.172	21	76	.96	326	.15	8	3.28	.03	.25	1	5
L12 500E	1	54	45	154	.3	81	18	2637	4.07	30	5	ND	3	104	1	2	2	66	1.02	.135	19	90	1.20	372	.12	4	2.96	.02	.31	1	2
L12 525E	1	53	23	132	.1	96	20	1928	4.60	29	5	ND	3	72	1	2	2	75	.62	.086	22	106	1.36	266	.18	4	3.45	.02	.28	1	5
L12 550E	1	63	35	137	.4	104	24	1749	4.86	41	5	ND	5	91	1	2	2	83	.73	.128	27	122	1.60	276	.17	2	3.25	.03	.37	1	6
L12 575E	1	52	33	142	.4	100	21	1737	4.50	42	5	ND	4	84	1	2	2	71	.69	.104	22	106	1.37	285	.15	4	3.23	.02	.35	1	1
L12 600E	1	49	27	135	.1	81	20	1993	4.34	44	5	ND	5	105	1	2	2	67	.89	.136	19	95	1.33	276	.17	6	3.60	.02	.31	1	5
L12 625E	1	39	21	181	.3	56	16	1736	3.81	62	5	ND	7	46	1	2	2	53	.38	.176	18	66	.76	194	.20	5	3.89	.03	.16	1	2
L12 675E	1	60	14	114	.2	170	24	882	4.61	15	5	ND	7	139	1	2	2	77	1.31	.347	39	206	2.23	407	.28	2	2.85	.04	.52	1	2
L12 700E	1	43	19	116	.5	116	19	1233	4.33	22	5	ND	6	70	1	2	2	73	.71	.090	22	130	1.41	306	.22	2	3.28	.02	.24	1	5
L12 725E	1	32	27	203	.3	71	14	1783	3.69	21	5	ND	4	69	1	2	2	52	.67	.279	15	66	.88	503	.17	3	2.88	.03	.17	1	11
L12 775E	1	35	19	109	.3	96	14	972	3.89	19	5	ND	6	58	1	2	2	62	.47	.117	19	88	.99	292	.22	4	4.03	.03	.16	1	6
L12 800E	1	37	32	142	.3	76	12	968	3.46	20	5	ND	6	64	1	2	2	50	.53	.141	20	81	.90	218	.21	6	3.63	.04	.17	1	16
L12 825E	1	35	17	99	.5	101	16	661	4.18	27	5	ND	7	98	1	2	2	70	.73	.090	24	128	1.41	258	.23	2	3.03	.06	.29	1	28
L12 850E	1	40	21	145	.6	73	14	884	3.38	30	5	ND	5	61	1	2	2	50	.48	.172	17	70	.86	195	.19	2	3.74	.04	.16	1	3
L12 875E	1	36	27	168	.2	76	14	1071	3.45	28	5	ND	4	59	1	2	2	53	.51	.166	15	76	.92	208	.18	3	3.32	.03	.18	2	11
L12 900E	1	37	28	174	.4	77	13	959	3.37	28	5	ND	5	69	1	2	2	49	.71	.139	19	74	.89	184	.20	6	3.55	.05	.16	1	10
L12 925E	1	28	18	111	.3	56	11	1198	3.15	26	5	ND	5	49	1	2	2	48	.43	.169	13	56	.78	284	.19	6	3.41	.03	.16	1	1
L12 950E	1	30	19	161	.3	63	13	816	3.72	25	5	ND	4	50	1	2	3	57	.46	.147	17	68	.89	182	.21	4	3.47	.04	.17	1	7
L12 975E	1	33	27	193	.2	59	14	1817	3.59	63	5	ND	4	90	1	2	2	52	.92	.240	14	69	.96	275	.21	4	3.48	.04	.17	1	15
L12 1000E	1	38	28	188	.3	31	12	3105	3.70	30	5	ND	3	98	1	2	2	53	.89	.212	16	39	.74	332	.19	7	3.76	.03	.21	1	36
L12 1050E	1	29	15	123	.3	63	13	821	3.61	17	5	ND	6	53	1	2	2	58	.37	.100	10	66	.90	201	.27	5	3.98	.04	.17	1	1
L12 1125E	1	35	23	112	.1	61	15	1497	4.11	20	5	ND	5	54	1	2	2	71	.63	.071	19	76	1.16	240	.24	3	3.78	.03	.25	1	16
STD C/AU-5	18	62	40	128	7.4	67	28	1114	4.14	40	19	7	39	52	18	17	24	58	.49	.090	40	62	.88	165	.06	34	1.86	.06	.14	14	48
L12 1150E	1	45	27	159	.3	35	15	3132	3.62	28	5	ND	3	78	2	2	2	59	.84	.162	15	48	.80	338	.15	5	3.21	.02	.20	1	20
L12 1175E	1	40	30	152	.1	40	14	2370	3.81	25	5	ND	3	80	1	2	2	68	.68	.089	16	56	.92	268	.18	3	3.43	.02	.18	1	24
L12 1225E	1	42	21	169	.4	69	17	1182	4.32	49	5	ND	5	79	1	2	2	74	.57	.099	20	94	1.30	289	.24	3	3.86	.05	.24	1	13
L12 1250E	1	33	19	209	.2	40	19	1523	5.04	20	5	ND	6	95	1	2	2	87	.65	.243	26	89	1.58	450	.31	3	3.27	.05	.48	1	1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AUC
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L13 025E	1	39	37	177	.1	182	27	1461	4.55	28	5	ND	4	132	1	2	2	68	.45	.109	27	191	1.31	380	.21	4	2.68	.02	.25	1	7
L13 050E	1	31	32	138	.2	190	25	1135	4.41	21	5	ND	7	54	1	2	3	67	.35	.125	29	177	1.53	289	.21	4	3.04	.02	.25	1	4
L13 075E	1	32	98	196	.2	144	26	1696	4.07	42	5	ND	7	59	3	2	2	59	.37	.135	26	134	1.29	310	.16	2	2.70	.01	.24	1	3
L13 100E	1	34	43	163	.5	187	27	1440	4.27	47	5	ND	5	63	1	3	2	61	.40	.143	27	160	1.33	225	.15	3	2.80	.01	.21	1	5
L13 125E	1	27	22	139	.5	162	19	1333	3.77	31	5	ND	4	76	1	2	2	49	.46	.282	24	129	1.00	460	.16	3	2.98	.02	.16	1	4
L13 150E	1	27	24	174	.2	154	18	1419	3.62	19	5	ND	5	63	1	2	2	49	.37	.281	20	145	1.20	581	.19	4	2.74	.03	.20	1	3
L13 175E	1	32	26	152	.3	172	22	1231	4.39	24	5	ND	8	64	1	2	2	64	.45	.188	25	169	1.37	396	.21	2	3.22	.02	.19	1	16
L13 200E	1	31	29	172	.2	187	24	987	4.68	25	5	ND	8	87	1	3	2	70	.40	.238	23	183	1.61	412	.21	4	3.24	.03	.24	1	22
L13 225E	1	35	34	207	.2	170	25	1754	4.77	18	5	ND	7	106	1	2	2	73	.74	.206	22	181	1.75	519	.22	9	3.19	.03	.32	1	3
L13 250E	1	41	34	160	.3	156	26	1261	4.93	19	5	ND	5	78	1	3	2	83	.61	.101	26	185	1.90	294	.23	5	3.52	.03	.30	1	9
L13 275E	1	61	62	200	.1	82	25	2206	5.06	28	5	ND	2	149	2	2	2	82	.74	.110	21	100	1.38	340	.15	2	3.75	.02	.35	1	6
L13 300E	1	46	28	198	.2	92	18	1302	3.78	23	5	ND	3	109	1	2	2	61	.88	.160	23	93	1.10	275	.18	4	3.54	.05	.22	1	14
L13 325E	1	36	26	155	.3	111	16	1036	3.59	21	5	ND	5	62	1	2	4	54	.40	.271	19	90	1.05	356	.21	7	3.66	.03	.23	1	3
L13 350E	1	45	35	119	.2	124	19	1446	4.21	25	5	ND	8	74	1	2	3	70	.67	.119	24	112	1.27	289	.20	3	3.39	.05	.21	1	3
L13 375E	1	48	23	132	.1	121	19	1643	4.07	25	5	ND	3	73	1	2	2	68	.79	.173	22	109	1.21	299	.17	3	3.27	.02	.22	1	4
L13 400E	1	58	20	141	.2	107	20	1999	4.15	26	5	ND	2	90	1	2	2	68	1.08	.216	21	104	1.27	307	.14	4	3.19	.02	.27	1	3
L13 425E	1	63	32	155	.4	116	21	1722	4.51	29	5	ND	3	93	1	2	2	79	1.17	.194	22	119	1.52	305	.15	8	2.94	.03	.42	1	9
L13 450E	1	58	26	143	.5	110	20	1343	4.65	37	5	ND	4	78	1	2	7	80	.76	.225	26	113	1.45	276	.18	6	3.57	.03	.31	1	5
L13 475E	1	54	25	121	.4	89	20	1429	4.22	39	5	ND	6	65	1	2	2	74	.55	.108	24	100	1.25	297	.19	4	3.54	.03	.27	1	4
L13 500E	1	44	24	201	.2	59	15	2063	3.21	30	5	ND	3	100	1	2	2	47	.94	.443	17	64	.77	435	.14	4	3.13	.03	.20	1	5
L13 525E	1	49	24	145	.1	60	14	1542	3.27	39	5	ND	3	70	1	2	2	52	.70	.215	18	54	.77	278	.18	5	3.66	.04	.19	1	9
L13 550E	1	80	24	141	.5	121	21	1441	4.41	93	5	ND	4	68	1	2	2	79	.63	.155	23	107	1.21	279	.19	5	3.67	.04	.25	2	12
L13 575E	1	66	21	169	.6	96	19	1043	4.20	66	5	ND	6	74	1	2	2	71	.70	.201	22	93	1.20	283	.20	3	3.83	.04	.24	1	10
L13 600E	1	62	19	149	.6	95	22	1713	4.58	80	5	ND	4	114	1	2	2	81	1.09	.224	21	110	1.32	409	.19	2	3.59	.02	.33	1	7
L13 625E	1	68	16	133	.4	70	19	1011	4.34	74	5	ND	5	67	1	2	2	82	.52	.121	24	81	1.15	247	.20	2	3.85	.03	.26	1	12
L13 650E	1	37	19	133	.3	58	13	962	3.13	52	5	ND	5	40	1	2	2	48	.26	.258	15	61	.75	264	.19	2	3.61	.04	.14	1	5
L13 675E	1	46	23	102	.1	95	17	536	4.04	27	5	ND	5	46	1	2	6	70	.32	.149	25	109	1.26	213	.22	8	3.67	.03	.24	1	11
L13 700E	1	40	17	130	.1	92	15	808	3.92	24	5	ND	5	48	1	2	2	67	.39	.133	20	100	1.09	177	.20	3	3.59	.03	.16	1	7
L13 725E	1	34	12	122	.1	51	10	815	2.99	20	5	ND	3	42	1	2	2	48	.34	.161	17	58	.65	191	.20	5	3.74	.04	.12	1	6
L13 750E	1	43	20	114	.4	102	14	624	3.55	28	5	ND	6	57	1	2	2	61	.46	.099	24	119	.93	190	.23	4	4.13	.04	.13	1	8
L13 825E	1	39	24	109	.1	94	17	1690	3.96	14	5	ND	5	65	1	2	2	72	.54	.102	19	99	1.23	352	.22	5	3.60	.03	.21	2	5
L13 850E	1	38	13	99	.2	72	15	1376	3.73	10	5	ND	5	51	1	2	2	68	.44	.078	18	76	.95	281	.22	4	3.65	.03	.15	1	9
L13 875E	1	41	22	161	.3	80	17	1831	4.00	14	5	ND	4	55	1	2	2	66	.46	.233	15	87	1.01	334	.20	2	3.63	.03	.17	1	10
L13 900E	1	51	25	159	.4	112	14	1147	3.45	20	5	ND	4	79	1	2	2	55	.70	.097	24	93	.92	164	.22	5	3.64	.06	.14	1	12
L13 925E	1	54	32	131	.2	121	13	848	3.19	36	5	ND	3	91	1	2	2	53	1.06	.050	24	106	.94	135	.19	4	2.89	.05	.14	1	14
L13 950E	1	32	31	152	.3	86	15	1696	3.74	31	5	ND	4	71	1	2	2	61	.59	.195	17	93	1.03	327	.21	6	3.62	.04	.19	1	7
STD C/AU-S	19	60	38	130	7.5	68	30	1051	4.05	43	18	7	39	52	18	18	20	59	.47	.081	40	40	.88	175	.09	37	1.92	.06	.13	13	49

SAMPLE	MO	CU	PB	ZN	AG	NI	CO	MX	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L13 97SE	1	28	56	211	.1	51	14	2830	3.52	30	5	ND	3	77	1	2	2	56	.73	.126	18	50	.96	471	.22	4	2.49	.03	.20	1	1
L13 1000E	1	23	26	109	.1	80	13	1336	3.14	29	5	ND	2	52	1	2	2	54	.46	.106	13	88	.85	236	.18	5	2.92	.03	.13	1	10
L13 1050E	1	36	26	103	.2	54	13	1365	3.48	20	5	ND	3	42	1	2	2	61	.42	.085	15	53	.85	142	.19	3	3.65	.02	.13	1	10
L13 1075E	1	37	17	116	.1	69	17	804	4.09	18	5	ND	5	65	1	2	2	79	.58	.073	20	109	1.59	221	.37	2	3.36	.04	.25	1	6
L13 1175E	1	55	22	129	.3	37	16	3101	4.06	19	5	ND	2	64	1	2	3	96	.92	.109	12	56	1.10	309	.23	5	3.37	.04	.23	1	20
L13 1200E	1	36	32	130	.6	35	13	2520	3.36	94	7	ND	5	68	1	2	2	58	.79	.105	15	40	.71	312	.21	5	3.76	.03	.15	3	22
L13 1225E	1	34	22	137	.2	35	15	1031	4.33	25	6	ND	6	60	1	2	2	84	.54	.128	22	63	1.35	356	.33	5	3.54	.04	.32	2	4
L13 1250E	1	46	35	148	.5	42	11	1086	3.19	119	5	ND	4	58	1	3	2	61	.88	.087	19	52	.79	146	.20	6	3.09	.05	.14	1	46
STD C/AU-S	20	62	41	134	7.2	72	31	1095	4.11	41	21	8	40	51	18	13	21	61	.52	.085	38	59	.89	183	.06	37	1.87	.07	.14	13	52

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH TML 3-1-2 HCL-HNO3-H2O2 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR Pb Fe Ca P LA CR AS BA TI B V AND LIMITED FOR NA K AND AL. NO DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AUT ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 11 1987

DATE REPORT MAILED: Dec 18/87

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

FIRST MANHATTEN RESOURCES

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Table with columns: SAMPLE, MG PPM, CU PPM, PB PPM, ZN PPM, AG PPM, NI PPM, CO PPM, MV PPM, FE PPM, AS PPM, U PPM, SD PPM, TH PPM, SR PPM, CD PPM, SB PPM, BI PPM, V PPM, CR PPM, P PPM, LA PPM, CE PPM, MS PPM, BA PPM, TI PPM, B PPM, AL PPM, NA PPM, K PPM, and SU PPM. Rows include samples like BLI-300S, BLI-1000S, L10 1225W, etc.

SAMPLEN	NO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE PPM	AS PPM	U PPM	AM PPM	TH PPM	SR PPM	CD PPM	SS PPM	BI PPM	V PPM	CA PPM	P PPM	LA PPM	BR PPM	CS PPM	BA PPM	TI PPM	S PPM	AL PPM	MA PPM	K PPM	W PPM	AUX PPM
L10 735W	1	14	20	315	.2	161	13	564	3.25	5	5	ND	4	41	2	2	2	41	.26	.175	28	94	.89	445	.14	5	2.45	.02	.12	1	34
L10 700W	1	13	29	24	.1	175	15	291	2.22	2	5	ND	4	34	1	2	2	42	.23	.066	26	142	1.34	159	.10	4	1.37	.01	.08	1	1
L10 675W	2	18	32	182	.4	84	10	1123	2.75	5	5	ND	5	34	1	2	2	37	.25	.127	21	57	.55	261	.14	3	2.45	.02	.09	1	1
L10 650W	2	17	24	174	.1	71	11	1557	2.52	4	5	ND	7	29	2	2	2	40	.25	.142	19	52	.56	312	.14	4	2.45	.02	.09	1	1
L10 625W	2	20	24	163	.4	89	12	1052	3.29	6	5	ND	2	47	1	3	2	48	.29	.117	21	78	.31	319	.14	3	2.55	.02	.12	1	3
L10 600W	1	21	27	128	.1	109	14	909	4.07	4	5	ND	10	40	1	2	2	70	.32	.161	24	121	1.23	258	.19	2	2.77	.02	.14	1	1
L10 575W	1	13	11	139	.1	65	2	1175	2.29	5	5	ND	4	53	1	2	2	31	.27	.172	11	47	.45	394	.14	5	1.75	.02	.07	1	1
L10 550W	2	35	121	120	.3	44	12	2168	2.59	19	5	ND	1	21	4	3	2	34	.14	.115	12	53	.25	212	.05	2	1.13	.01	.08	1	1
L10 525W	2	19	21	116	.2	115	15	660	2.59	10	5	ND	5	34	1	2	2	48	.27	.173	27	106	.90	159	.12	3	2.31	.01	.09	1	1
L10 500W	2	14	14	91	.1	82	10	240	2.62	10	5	ND	3	22	1	3	2	35	.25	.189	15	51	.53	275	.14	3	2.52	.02	.08	2	1
L10 475W	1	12	30	75	.1	116	10	468	2.13	5	5	ND	3	28	1	2	3	43	.19	.047	18	125	.73	120	.10	5	1.22	.01	.07	2	36
L10 450W	1	16	26	43	.1	238	13	404	2.88	8	5	ND	4	33	1	2	2	38	.20	.067	17	109	1.04	151	.13	2	2.14	.02	.09	1	3
L10 425W	2	33	89	153	.7	63	11	1243	3.06	15	5	ND	1	30	3	2	2	41	.17	.034	14	77	.37	226	.04	3	1.25	.01	.10	1	8
L10 400W	1	16	34	110	.1	334	25	794	4.22	8	5	ND	5	41	1	2	2	54	.34	.057	21	363	2.65	162	.15	6	1.40	.02	.10	1	5
L10 375W	1	23	30	86	.1	238	19	541	2.34	6	5	ND	2	27	1	2	2	37	.21	.038	11	189	1.23	157	.12	4	1.60	.02	.05	4	10
L10 350W	1	17	21	121	.1	251	20	650	3.08	10	5	ND	5	29	1	2	2	38	.18	.148	13	149	1.11	314	.13	3	2.22	.02	.09	1	1
L10 325W	1	31	59	173	.3	394	30	1237	4.22	22	5	ND	2	49	2	2	2	56	.31	.130	23	242	1.72	283	.08	5	2.77	.02	.12	1	1
L10 300W	1	23	55	140	.2	248	25	1059	2.57	15	5	ND	7	40	1	3	2	50	.25	.090	26	175	1.45	299	.12	4	2.27	.02	.12	1	1
L10 275W	1	13	13	117	.1	144	14	657	3.02	7	5	ND	4	21	1	2	2	40	.11	.090	19	95	.81	233	.11	2	2.33	.02	.07	1	1
L10 250W	1	22	30	142	.2	451	28	1057	3.79	14	5	ND	3	36	1	2	2	45	.24	.098	17	233	1.40	253	.14	3	2.47	.02	.09	1	1
L10 225W	1	15	14	118	.1	285	24	1374	2.35	5	5	ND	3	32	1	2	2	40	.22	.085	11	191	1.29	291	.14	2	2.57	.02	.08	1	1
L10 200W	1	13	18	65	.2	255	21	739	3.46	3	5	ND	5	25	1	2	2	41	.19	.091	12	229	1.45	190	.13	4	1.76	.02	.07	1	4
L10 175W	1	23	28	202	.2	172	22	1329	3.32	13	5	ND	3	34	2	2	2	52	.24	.188	12	147	1.29	369	.21	3	3.17	.02	.15	1	1
L10 150W	1	33	39	195	.3	341	25	1550	4.57	24	5	ND	3	58	2	2	2	59	.33	.115	19	224	1.71	319	.16	4	3.17	.02	.14	1	2
L10 125W	1	19	20	144	.2	267	22	990	3.43	14	5	ND	4	25	1	2	2	44	.19	.120	13	175	1.28	257	.16	3	2.39	.02	.10	1	1
L10 100W	1	22	27	132	.1	247	22	350	2.75	21	5	ND	4	28	1	2	3	53	.23	.181	16	191	1.41	247	.17	2	2.45	.01	.10	1	1
L10 75W	1	24	29	171	.4	265	26	1055	2.85	13	5	ND	5	40	2	2	2	52	.22	.098	16	203	1.59	321	.17	3	3.02	.02	.13	1	1
L10 50W	1	20	17	147	.1	117	16	1202	2.14	3	5	ND	3	42	1	2	2	41	.25	.290	14	112	.35	356	.17	2	3.11	.02	.10	1	1
L10 25W	1	17	21	202	.2	57	11	1705	2.57	7	5	ND	1	34	2	2	2	34	.21	.276	12	56	.52	422	.14	2	2.32	.02	.12	1	1
L10 00W	1	17	18	207	.3	79	12	1554	2.54	10	5	ND	4	44	5	2	2	36	.22	.219	13	75	.60	531	.14	2	2.25	.02	.12	1	1
L10 AW	1	18	23	176	.1	78	14	1223	3.33	7	5	ND	2	25	1	2	2	43	.19	.129	20	81	.48	348	.12	4	2.70	.01	.10	1	3
L10 3W	1	19	24	120	.2	125	15	979	2.20	11	5	ND	4	20	1	2	2	45	.15	.142	17	108	.83	237	.15	5	2.58	.02	.08	1	1
L11 1225W	1	28	70	323	.3	45	11	956	2.77	12	5	ND	5	47	4	2	2	35	.32	.087	21	51	.59	263	.15	5	3.09	.02	.10	1	2
L11 1200W	3	42	140	212	1.5	34	12	1392	3.39	19	5	ND	4	23	2	2	2	47	.13	.145	15	33	.33	214	.12	2	2.31	.01	.10	1	4
L11 1175W	1	15	40	541	.2	34	7	1595	1.70	3	5	ND	2	64	7	2	2	21	.29	.222	2	23	.20	530	.12	2	1.72	.03	.09	1	1
L11 1100W	1	15	23	199	.5	57	9	972	2.13	26	5	ND	2	49	1	2	2	39	.25	.235	15	37	.39	337	.13	3	2.23	.02	.10	1	1
STD C/AU-5	18	59	39	133	7.4	73	29	1065	4.22	41	21	7	36	51	18	18	19	56	.47	.082	39	61	.88	181	.09	33	1.92	.06	.14	13	49

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	M	AU-
	PPH	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	PPM
L11 1075W	1	31	52	208	.3	65	9	74	2.78	24	5	ND	3	102	2	2	2	31	.71	.34*	23	45	.51	265	.13	5	3.25	.03	.13	1	1
L11 1050W	1	39	74	293	.7	132	17	1616	3.56	36	5	ND	5	100	3	2	3	45	.62	.173	34	99	.92	286	.13	19	2.97	.02	.14	1	10
L11 975W	3	4*	161	493	.4	111	18	3331	3.66	69	5	ND	10	50	4	2	6	46	.29	.147	36	59	.70	311	.12	7	3.26	.01	.13	1	29
L11 950W	5	4*	330	560	.3	82	17	4240	3.85	76	5	ND	8	85	4	3	2	44	.65	.139	41	65	.65	346	.10	4	2.47	.01	.15	1	11
L11 925W	2	29	78	301	.1	75	15	2697	3.65	25	5	ND	6	72	3	2	2	47	.52	.123	36	71	.75	342	.11	6	2.37	.01	.13	1	1
L11 900W	2	24	68	245	.1	81	14	1542	3.77	16	5	ND	8	43	1	2	3	51	.32	.086	30	83	.84	310	.13	4	2.55	.01	.13	1	47
L11 850W	2	24	60	242	.1	78	14	1658	3.46	11	5	ND	5	47	2	2	4	45	.32	.095	36	68	.79	258	.11	2	2.15	.01	.11	1	2
L11 825W	1	23	30	119	.1	101	13	679	2.55	5	5	ND	9	39	1	2	2	46	.31	.107	31	90	.85	171	.12	2	2.37	.01	.10	1	1
L11 800W	1	28	37	149	.1	106	15	1520	2.50	11	5	ND	6	65	1	2	3	47	.45	.130	36	92	.98	264	.11	2	2.24	.01	.11	1	140
L11 775W	1	24	51	161	.1	103	15	1610	2.59	10	5	ND	4	70	2	2	2	45	.41	.133	35	96	.93	331	.12	5	2.29	.01	.12	1	9
L11 725W	1	34	46	504	1.3	142	17	1482	4.07	20	5	ND	8	54	6	2	2	51	.31	.224	32	84	.93	624	.15	5	3.24	.01	.13	1	1
L11 675W	1	27	63	166	.1	110	17	1371	4.16	14	5	ND	8	50	2	2	3	60	.27	.128	31	91	1.06	261	.15	5	2.69	.01	.14	1	21
L11 650W	2	18	28	136	.1	85	12	1206	3.47	7	5	ND	8	42	1	2	3	49	.27	.062	26	73	.78	288	.15	5	2.47	.02	.03	1	1
L11 625W	1	19	24	164	.4	78	10	976	3.66	8	5	ND	9	24	2	2	2	42	.19	.090	23	56	.61	276	.14	6	2.66	.02	.08	1	1
L11 600W	1	17	22	130	.1	82	11	909	2.17	4	5	ND	8	25	1	2	2	44	.19	.100	21	71	.70	201	.14	7	2.43	.01	.08	1	1
L11 575W	1	18	25	156	.1	102	12	996	3.48	4	5	ND	8	26	1	2	2	48	.19	.134	19	86	.80	232	.17	5	2.86	.02	.09	1	1
L11 550W	2	13	25	127	.1	100	13	1139	3.59	9	5	ND	8	28	1	2	2	47	.16	.111	18	113	.75	228	.15	5	1.85	.01	.08	1	1
L11 525W	1	19	20	122	.1	91	12	1033	2.33	2	5	ND	7	32	1	2	2	45	.20	.131	18	78	.87	257	.17	3	2.76	.02	.06	1	1
L11 500W	2	20	27	166	.1	53	11	1721	3.81	5	5	ND	4	35	2	2	2	43	.22	.070	20	50	.52	379	.12	3	1.86	.01	.10	1	1
L11 475W	1	19	21	140	.5	88	12	807	3.51	5	5	ND	9	22	1	2	5	48	.16	.153	24	78	.95	254	.12	3	2.52	.01	.07	1	1
L11 450W	1	17	23	132	.1	96	11	1170	2.78	3	5	ND	6	34	1	2	2	37	.19	.141	12	61	.67	250	.16	2	2.83	.02	.03	1	1
L11 425W	1	20	28	163	.3	197	19	1160	4.31	4	5	ND	8	33	2	2	2	54	.26	.136	22	165	1.18	250	.15	4	2.44	.01	.03	1	3
L11 400W	1	24	25	173	.9	171	17	810	4.45	10	5	ND	8	29	1	2	2	59	.22	.192	20	137	1.16	212	.16	4	3.10	.01	.10	1	4
L11 375W	1	19	27	161	.3	333	24	1122	4.24	6	5	ND	10	39	1	2	4	50	.29	.083	23	228	1.80	251	.13	7	2.31	.02	.09	1	1
L11 350W	1	22	31	200	.6	368	27	1072	4.20	13	5	ND	5	35	1	2	6	47	.23	.148	20	229	1.78	209	.13	4	2.60	.01	.10	1	3
L11 300W	1	23	88	163	.1	247	22	1225	3.76	19	5	ND	1	24	2	2	4	47	.23	.104	12	212	1.47	153	.04	3	1.78	.01	.09	1	1
L11 275W	1	20	25	104	.1	393	24	438	4.50	8	5	ND	6	25	1	2	3	55	.18	.055	15	269	2.29	127	.15	6	2.38	.01	.05	1	1
L11 225W	1	18	29	105	.2	273	22	973	4.11	13	5	ND	5	30	1	2	2	51	.23	.121	14	228	1.75	141	.14	5	2.54	.01	.08	1	1
L11 200W	1	18	23	134	.3	171	16	969	3.81	16	5	ND	6	18	1	2	2	49	.11	.066	17	151	1.05	203	.15	3	2.33	.01	.08	1	1
L11 175W	1	15	16	113	.1	279	21	546	3.67	7	5	ND	6	32	1	2	2	47	.24	.039	15	260	2.06	166	.15	2	1.89	.01	.07	1	1
L11 125W	1	17	27	90	.1	342	24	901	4.43	9	5	ND	6	17	1	2	2	51	.12	.059	14	304	2.03	84	.13	5	1.99	.01	.06	1	1
L11 100W	1	15	22	99	.1	122	13	1927	3.35	4	5	ND	4	26	1	2	2	45	.19	.045	11	135	.66	252	.13	3	1.56	.01	.07	1	1
L11 75W	1	15	15	121	.1	101	12	1199	2.59	5	5	ND	5	19	1	2	2	31	.12	.173	9	90	.65	229	.15	2	2.41	.02	.06	1	1
L11 50W	1	20	20	152	.1	205	21	1615	3.77	10	5	ND	6	21	2	2	2	46	.14	.147	15	165	1.22	284	.17	3	2.93	.02	.03	1	1
L11 25W	1	17	21	129	.2	164	18	777	3.65	8	5	ND	6	25	1	2	2	46	.16	.122	15	163	1.19	192	.17	6	2.23	.01	.10	1	1
L11 90W	1	19	21	112	.1	186	19	1106	3.67	11	5	ND	5	22	1	2	2	46	.15	.124	14	148	1.10	223	.16	3	2.85	.02	.09	1	1
STD C/AU-S	19	58	38	133	7.1	67	29	1663	4.21	39	20	11	39	51	12	16	21	56	.47	.029	39	59	.92	178	.08	33	1.84	.06	.13	13	50

FIRST MANHATTEN RESOURCES FILE # 87-6146

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	MO	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	NA	K	W	AVI
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	I	I	I	I	PPM	PPM
L11 AW	1	15	22	110	.1	143	16	1428	3.15	15	5	ND	5	19	1	2	2	40	.14	.150	11	116	.79	171	.14	7	2.71	.02	.07	1	1
L11 SW	1	15	28	109	.1	141	13	1979	2.34	7	5	ND	2	14	1	3	2	37	.19	.148	10	95	.69	164	.14	5	2.71	.02	.07	1	1
L12 125SW	1	24	34	178	.3	101	16	2111	2.23	9	5	ND	4	36	2	2	2	49	.11	.077	21	87	.75	200	.10	4	1.53	.02	.07	1	51
L12 122SW	1	19	29	103	.1	68	12	1090	2.29	9	5	ND	12	21	1	2	2	48	.11	.030	15	90	.52	150	.12	5	1.38	.02	.07	1	30
L12 1300W	1	27	33	129	.3	124	11	1091	2.97	8	5	ND	6	35	3	2	2	39	.13	.094	20	73	.71	232	.11	6	1.39	.02	.07	3	11
L12 117SW	1	27	25	91	.2	147	12	77*	2.97	16	5	ND	6	30	1	2	2	38	.11	.064	18	86	.78	214	.11	4	2.17	.02	.09	1	1
L12 112SW	2	21	44	306	.6	71	12	4053	2.80	4	5	ND	2	67	7	2	3	31	.19	.161	12	54	.78	804	.11	4	1.51	.02	.10	1	1
L12 1100W	1	16	22	102	1.2	60	9	774	2.44	29	11	ND	5	27	1	3	2	32	.19	.099	15	40	.41	215	.15	3	2.9*	.02	.08	1	1
L12 107SW	1	23	36	97	.2	75	10	734	2.97	11	6	ND	5	30	1	2	2	41	.11	.095	16	52	.59	234	.17	3	2.41	.02	.10	1	1
L12 102SW	1	27	55	173	.3	80	13	1393	3.39	16	5	ND	5	29	1	2	2	44	.11	.080	25	61	.67	259	.14	4	2.91	.02	.11	1	3
L12 950W	1	26	56	157	.4	91	12	1058	3.25	17	5	ND	8	25	1	2	2	43	.17	.112	27	71	.74	163	.13	4	2.63	.01	.10	1	8
L12 925W	2	30	67	163	.2	67	13	2040	3.22	18	5	ND	2	35	1	2	2	42	.17	.090	30	69	.68	183	.10	6	2.22	.01	.09	1	2
L12 900W	1	31	56	159	.4	68	12	1214	3.39	14	5	ND	4	34	1	2	2	46	.15	.097	26	70	.72	156	.12	5	2.31	.01	.09	1	12
L12 875W	2	26	60	197	.2	67	14	1536	3.67	14	5	ND	6	38	1	2	2	51	.14	.119	27	87	.86	250	.14	7	2.30	.01	.16	1	1
L12 850W	1	27	54	157	.3	104	15	1429	3.49	14	5	ND	2	57	2	2	2	49	.17	.094	38	97	.94	170	.10	2	1.99	.01	.09	1	4
L12 825W	2	22	71	330	.4	80	12	1701	3.30	16	5	ND	6	44	2	2	2	47	.41	.096	33	81	.68	205	.10	5	1.87	.01	.11	1	2
L12 800W	1	19	43	334	.3	82	11	1479	3.22	9	5	ND	11	41	2	2	3	45	.30	.159	24	71	.64	320	.12	5	2.03	.01	.09	1	1
L12 775W	1	22	34	215	.2	130	16	1371	3.77	20	5	ND	9	34	2	2	2	52	.24	.144	27	97	.96	298	.14	6	2.62	.02	.13	1	1
L12 750W	2	30	49	234	.6	81	14	1677	3.79	29	5	ND	3	41	2	2	3	53	.24	.109	25	84	.79	267	.12	3	2.35	.01	.14	1	1
L12 725W	1	21	29	128	.1	103	14	763	3.72	14	5	ND	5	26	1	2	2	56	.18	.088	27	90	.95	162	.14	4	2.54	.01	.11	2	1
L12 700W	1	22	37	151	.5	98	14	765	3.96	16	5	ND	15	27	1	2	2	58	.19	.087	29	99	.86	160	.13	4	2.84	.01	.11	1	1
L12 675W	2	26	29	188	.1	80	16	1514	3.25	19	5	ND	4	69	2	2	3	46	.14	.106	22	83	.72	238	.13	3	1.73	.01	.11	1	1
L12 650W	1	19	28	97	.1	98	13	737	3.37	11	5	ND	9	23	1	2	2	55	.16	.117	27	93	.89	91	.14	6	2.06	.01	.11	1	2
L12 625W	1	17	31	131	.1	98	11	1014	3.01	12	5	ND	7	31	1	2	2	48	.19	.145	19	86	.81	201	.15	2	2.19	.02	.09	1	1
L12 600W	1	18	45	283	.1	80	11	1483	2.92	7	5	ND	2	46	5	2	2	41	.13	.174	14	61	.59	521	.15	5	2.56	.02	.10	1	1
L12 550W	1	22	29	151	.2	83	12	1034	2.87	7	5	ND	5	36	1	2	2	41	.11	.108	14	83	.86	329	.19	2	2.80	.02	.14	1	3
L12 525W	1	18	17	161	.3	99	12	1374	2.47	7	5	ND	4	29	2	2	2	31	.16	.119	14	57	.51	297	.15	2	2.79	.02	.07	1	2
L12 500W	1	19	26	167	.3	162	17	1914	2.99	12	5	ND	4	36	4	2	2	39	.11	.189	18	112	.92	353	.13	5	2.11	.02	.08	1	4
L12 475W	1	26	54	175	.3	204	26	1905	3.92	16	5	ND	12	52	3	2	2	54	.12	.108	31	172	1.42	310	.13	2	2.07	.01	.14	1	1
L12 450W	1	18	25	102	.1	231	17	467	3.41	11	5	ND	8	21	1	2	2	44	.16	.057	20	165	1.35	126	.13	3	2.14	.01	.07	1	1
L12 425W	1	20	19	267	.5	235	21	1034	3.77	13	5	ND	8	27	2	2	2	48	.19	.115	29	165	1.29	269	.14	6	2.72	.01	.11	1	1
L12 400W	1	19	26	127	.1	352	23	923	3.97	11	5	ND	8	27	1	2	2	46	.19	.114	17	235	1.76	229	.13	7	2.49	.01	.09	1	1
L12 350W	1	17	26	88	.1	324	21	509	3.55	12	5	ND	5	24	1	2	4	44	.15	.072	13	214	1.56	144	.14	9	2.53	.02	.07	1	1
L12 325W	1	21	24	134	.1	330	23	550	3.70	11	5	ND	5	20	1	2	2	45	.16	.103	12	211	1.60	139	.15	6	2.77	.01	.08	1	1
L12 300W	1	17	33	126	.1	269	21	825	3.59	13	5	ND	4	22	1	2	2	46	.14	.101	13	192	1.42	182	.14	6	2.59	.01	.06	1	2
L12 275W	1	15	23	87	.2	300	21	1056	3.37	10	5	ND	5	26	1	2	2	41	.14	.059	13	211	1.55	186	.12	4	2.05	.01	.07	1	1
ST9 C/AU-5	18	58	38	135	7.3	69	29	1078	4.00	39	15	ND	39	51	18	18	21	57	.46	.081	39	62	.92	181	.09	34	1.92	.06	.14	13	50

FIRST MANHATTEN RESOURCES FILE # 87-6146

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MY	FE	AS	U	AU	TH	EP	CD	SS	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	C	K	OUT	
	PPH	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
L12 250W	1	17	29	84	.1	335	24	504	4.24	14	5	ND	4	19	:	2	2	49	.16	.066	13	256	1.35	116	.13	8	2.24	.01	.05	1	2	
L12 225W	1	14	29	93	.1	268	22	779	4.97	7	5	ND	5	21	:	2	2	49	.19	.047	14	229	1.62	181	.15	4	2.43	.01	.07	1	:	
L12 200W	1	12	16	109	.1	155	16	647	3.20	9	5	ND	4	11	:	2	2	37	.09	.167	8	133	.65	112	.15	5	2.70	.01	.05	1	5	
L12 175W	1	14	15	97	.1	78	11	419	2.47	8	5	ND	3	7	:	2	2	30	.07	.151	5	58	.41	37	.16	3	3.55	.02	.05	1	:	
L12 150W	1	17	25	116	.1	184	20	1501	3.58	14	5	ND	5	21	:	2	2	41	.14	.152	10	161	1.15	157	.16	3	2.89	.01	.07	1	1	
L12 125W	1	18	40	141	.1	193	19	1086	4.01	15	5	ND	5	20	:	2	2	50	.22	.110	20	170	1.29	221	.14	6	2.39	.01	.09	2	1	
L12 100W	1	15	23	107	.1	228	22	911	3.34	15	5	ND	5	26	:	4	3	45	.17	.117	14	204	1.49	182	.15	4	2.53	.01	.09	2	1	
L12 50W	1	19	39	129	.1	217	22	1388	4.31	15	5	ND	5	26	:	2	2	55	.15	.077	18	193	1.45	265	.17	2	2.49	.01	.12	1	4	
L12 25W	1	21	29	108	.1	123	14	875	3.51	14	5	ND	5	17	:	2	2	48	.14	.175	12	111	1.02	197	.19	15	3.24	.02	.11	1	1	
L13 1250W	1	20	20	172	.2	42	7	865	2.27	2	5	ND	4	25	:	2	2	28	.18	.157	14	45	.51	300	.15	2	2.35	.02	.09	1	2	
L13 1225W	1	20	39	145	.1	104	9	1200	2.88	10	5	ND	4	29	:	2	2	36	.21	.146	14	64	.62	347	.13	3	2.04	.02	.09	1	7	
L13 1200W	1	23	40	232	.4	129	12	1390	3.13	13	5	ND	7	26	:	2	4	37	.29	.170	19	66	.72	377	.14	2	2.45	.02	.10	1	1	
L13 1175W	1	25	36	251	.5	141	12	699	2.96	15	5	ND	6	29	:	3	3	34	.24	.196	17	64	.65	239	.14	6	2.66	.02	.09	1	1	
L13 1125W	1	11	19	91	.1	86	8	759	2.17	15	5	ND	3	15	:	2	2	26	.11	.148	11	38	.37	204	.14	3	2.57	.02	.05	1	1	
L13 1100W	1	16	25	247	.1	52	9	4440	2.52	12	5	ND	4	55	:	2	2	29	.45	.195	16	58	.49	896	.12	5	2.02	.02	.10	1	1	
L13 1075W	1	19	41	171	.1	117	14	1573	3.22	17	5	ND	5	35	:	2	2	41	.27	.149	18	96	.82	352	.14	6	2.35	.02	.09	1	3	
L13 1050W	1	16	37	192	.1	51	10	2968	2.69	9	5	ND	4	52	:	2	2	32	.43	.183	18	44	.52	712	.13	4	2.05	.02	.10	1	1	
L13 1025W	2	23	47	168	.2	64	14	2582	3.57	10	5	ND	4	48	:	2	2	47	.39	.120	27	76	.75	391	.15	3	1.93	.01	.11	1	1	
L13 1000W	2	24	41	106	.1	89	13	1495	3.65	9	5	ND	6	42	:	2	2	47	.29	.108	25	86	.82	233	.14	4	2.09	.01	.08	2	1	
L13 975W	1	29	37	102	.1	88	12	1550	3.50	9	5	ND	5	27	:	2	2	42	.21	.114	19	72	.69	257	.13	3	2.26	.01	.08	1	17	
L13 925W	1	24	51	130	.1	58	10	1169	3.28	12	5	ND	5	23	:	2	3	43	.19	.092	22	60	.63	220	.14	4	2.27	.01	.07	1	25	
L13 900W	2	22	52	131	.1	70	11	1164	3.41	13	5	ND	6	33	:	2	2	44	.29	.069	24	61	.69	190	.13	6	2.35	.01	.10	1	5	
L13 875W	1	25	100	217	.3	58	14	2616	3.19	15	5	ND	2	59	:	2	2	41	.45	.107	32	59	.64	315	.10	2	1.93	.01	.10	1	1	
L13 850W	2	18	59	168	.2	91	14	1669	3.45	13	5	ND	5	37	:	2	2	46	.31	.098	24	89	.72	255	.12	4	1.90	.01	.09	1	2	
L13 825W	2	17	66	223	.3	73	12	2227	3.43	10	5	ND	8	63	:	2	2	43	.44	.104	25	77	.63	381	.13	6	1.75	.01	.10	1	1	
L13 800W	1	16	34	150	.2	84	13	1211	3.48	19	5	ND	6	30	:	2	3	47	.26	.109	24	78	.66	197	.14	4	1.93	.01	.08	1	1	
STD C/AU-5	18	58	42	123	7.2	66	29	1070	4.12	42	18	7	36	50	:	18	16	21	.55	.46	.092	39	61	.91	169	.08	34	1.87	.05	.14	14	47
L13 775W	1	18	29	174	.2	104	14	1361	3.58	10	5	ND	8	37	:	2	4	47	.24	.094	25	97	.80	341	.13	5	1.94	.01	.09	1	1	
L13 750W	2	16	38	136	.2	91	13	1570	3.51	9	5	ND	6	31	:	2	2	47	.21	.114	25	74	.73	156	.11	5	2.10	.01	.07	1	1	
L13 725W	2	17	49	145	.3	86	12	1754	3.58	15	5	ND	6	27	:	2	3	47	.16	.118	18	84	.76	250	.12	4	2.25	.01	.09	1	2	
L13 700W	2	19	54	308	.7	53	8	2539	2.90	10	5	ND	7	27	:	2	2	37	.16	.122	19	41	.48	318	.15	3	2.76	.02	.09	1	1	
L13 675W	1	14	30	265	.2	72	11	1640	3.06	11	5	ND	7	25	:	2	2	39	.16	.216	17	58	.63	278	.14	10	2.57	.02	.09	1	1	
L13 650W	1	17	73	142	.4	78	12	1695	3.27	13	5	ND	5	47	:	2	2	46	.27	.085	24	76	.79	175	.12	2	1.91	.01	.11	1	3	
L13 625W	1	16	58	189	.1	66	11	2576	2.79	12	5	ND	5	34	:	2	2	36	.29	.125	24	58	.65	290	.12	4	1.99	.01	.09	1	1	
L13 600W	2	18	46	153	.3	95	22	1959	3.23	17	5	ND	2	47	:	2	3	49	.28	.065	26	94	.77	295	.12	2	1.66	.01	.10	1	1	
L13 525W	1	19	24	126	.1	70	10	750	2.82	7	5	ND	6	17	:	2	2	38	.12	.165	12	64	.66	188	.17	3	3.07	.02	.07	1	1	
L13 450W	1	19	55	174	.1	135	16	2163	3.54	13	5	ND	4	36	:	2	4	44	.33	.185	18	121	.93	287	.13	3	2.12	.01	.10	1	1	



FIFST MANHATTEN RESOURCES FILE # 27-5146

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	J	MO	TH	SR	CO	SB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	VA	K	W	QUP
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
L13 425W	1	19	38	129	.1	237	21	525	4.23	21	5	ND	8	24	1	4	2	50	.25	.122	25	201	1.42	76	.13	4	2.54	.01	.08	2	3
L13 400W	1	11	29	155	.2	211	17	910	3.73	19	5	ND	7	35	1	4	2	44	.24	.073	25	205	1.21	181	.11	3	2.92	.01	.05	1	1
L13 375W	1	10	23	93	.1	253	29	908	3.51	11	5	ND	5	27	1	3	2	41	.19	.058	14	199	1.44	159	.13	4	2.23	.01	.07	1	1
L13 350W	1	16	30	130	.1	316	27	987	4.06	11	5	ND	5	25	1	2	3	45	.18	.071	16	239	1.78	128	.13	9	2.27	.01	.04	1	5
L13 325W	1	14	33	106	.1	299	24	1078	3.75	7	5	ND	4	28	1	2	2	43	.23	.045	14	238	1.61	177	.13	4	2.06	.01	.04	1	1
L13 300W	1	13	38	99	.1	257	21	1232	3.73	10	5	ND	4	21	1	2	3	42	.16	.063	15	224	1.47	144	.13	6	1.95	.01	.08	1	2
L13 275W	1	17	30	109	.1	300	25	922	4.02	11	5	ND	5	23	1	2	3	44	.18	.091	15	244	1.54	159	.13	3	2.20	.01	.08	1	1
L13 250W	1	13	30	108	.1	323	26	981	4.27	15	5	ND	5	28	1	4	3	48	.22	.075	13	285	1.94	173	.13	6	2.19	.01	.06	1	6
L13 225W	1	17	29	114	.2	244	21	725	4.00	15	5	ND	6	20	1	2	2	47	.17	.094	13	295	1.29	160	.15	3	2.54	.01	.07	1	1
L13 200W	2	20	45	203	.1	151	20	2514	3.73	16	5	ND	2	29	1	4	2	49	.23	.065	12	171	1.23	251	.14	3	2.22	.02	.11	1	2
L13 175W	1	16	24	112	.1	269	23	977	3.56	13	5	ND	4	21	1	4	2	40	.17	.131	11	200	1.53	209	.14	5	2.49	.01	.08	1	1
L13 150W	1	18	53	119	.2	360	32	1158	4.67	17	5	ND	11	32	1	2	4	55	.28	.091	19	306	2.17	199	.13	8	2.25	.01	.12	1	1
L13 125W	1	19	127	151	.1	274	28	1341	4.12	26	5	ND	3	39	3	2	2	48	.33	.093	17	234	1.72	201	.12	9	2.20	.01	.12	1	1
L13 100W	1	19	41	116	.2	275	27	1355	4.27	18	5	ND	6	37	1	2	3	52	.25	.122	20	215	1.61	220	.13	3	2.53	.01	.10	1	1
L13 50W	2	22	51	159	.3	264	28	1458	4.14	23	5	ND	4	35	1	4	3	50	.23	.103	16	213	1.55	199	.12	8	2.26	.01	.11	1	2
L13 25W	2	28	30	173	.1	152	24	1951	3.71	29	5	ND	2	110	2	2	2	46	.52	.174	19	124	1.94	420	.15	4	2.54	.02	.12	1	1
L14 1250W	3	27	68	254	.4	50	12	2174	3.24	16	5	ND	8	33	2	3	2	41	.26	.157	21	39	.49	315	.17	4	2.15	.02	.10	1	2
L14 1225W	2	21	36	163	.1	81	10	1146	2.67	13	5	ND	5	34	1	2	2	38	.25	.163	15	43	.53	225	.17	4	3.23	.02	.10	1	1
L14 1200W	1	25	33	172	.1	115	12	984	3.28	14	5	ND	6	32	1	2	2	41	.21	.195	18	59	.74	263	.16	4	2.92	.02	.11	1	3
L14 1175W	1	24	29	157	.4	124	11	807	3.03	16	5	ND	7	30	1	5	2	39	.17	.148	19	67	.71	297	.14	3	2.59	.02	.08	1	1
L14 1150W	1	14	22	93	.4	87	7	1071	2.92	12	7	ND	5	28	1	4	2	24	.20	.189	14	28	.32	295	.15	5	3.30	.03	.08	1	1
L14 1125W	1	17	37	156	.3	111	11	874	2.83	19	5	ND	7	26	1	2	2	35	.20	.156	17	60	.60	304	.13	3	2.42	.02	.10	1	4
L14 1100W	1	18	42	151	.2	103	11	848	2.94	14	5	ND	7	51	1	4	2	35	.27	.193	20	63	.44	290	.12	5	2.47	.02	.09	1	3
L14 1075W	2	27	54	118	.2	98	14	1361	3.29	14	5	ND	6	39	1	6	2	44	.27	.111	27	73	.80	197	.13	3	2.51	.01	.11	3	1
L14 1050W	2	25	50	94	.1	107	13	1164	3.43	13	5	ND	6	38	1	2	2	47	.26	.104	30	79	.84	133	.12	3	2.38	.01	.09	1	1
L14 1025W	2	27	53	109	.1	88	13	1517	3.37	12	5	ND	3	40	1	2	2	45	.31	.106	25	73	.78	167	.12	3	2.52	.01	.08	1	1
L14 1000W	2	31	64	113	.4	90	14	1522	3.38	17	5	ND	6	32	1	3	2	45	.28	.104	24	74	.74	184	.13	3	2.57	.01	.09	3	3
L14 975W	2	30	53	115	.2	96	13	957	3.54	14	5	ND	7	26	1	2	2	46	.24	.118	25	74	.74	104	.14	4	2.04	.01	.11	3	59
L14 950W	2	29	51	142	.1	88	13	1490	3.37	20	5	ND	5	35	1	3	2	45	.24	.102	27	71	.74	216	.13	7	2.64	.01	.12	2	5
L14 925W	2	33	74	181	.1	81	15	1553	3.50	26	5	ND	4	49	3	3	2	46	.34	.130	28	65	.76	239	.12	3	2.79	.01	.13	1	26
L14 900W	2	37	51	177	.4	80	17	1052	3.63	21	5	ND	6	32	2	3	2	49	.23	.094	28	70	.72	174	.12	3	2.51	.01	.10	1	240
L14 875W	2	25	77	128	.3	55	13	1349	3.40	21	5	ND	1	23	2	2	2	48	.17	.114	23	61	.59	116	.09	3	1.92	.01	.08	1	8
L14 850W	2	24	40	103	.1	65	12	1252	3.26	11	5	ND	5	28	1	2	2	44	.23	.107	27	62	.63	151	.12	5	2.25	.01	.04	1	1
L14 825W	2	21	34	108	.1	93	14	1447	3.42	12	5	ND	9	38	1	6	2	46	.29	.076	30	83	.77	236	.12	6	2.10	.01	.08	2	1
L14 800W	2	19	36	131	.1	69	12	1593	3.15	3	5	ND	6	34	1	2	2	43	.27	.096	23	64	.58	229	.13	5	2.13	.01	.07	1	1
L14 775W	1	20	38	123	.1	78	12	1530	3.97	13	5	ND	4	36	1	3	2	42	.23	.105	20	64	.67	262	.15	4	2.24	.02	.07	1	2
STD C/AN-S	19	59	39	130	7.2	66	28	1061	4.08	39	29	9	37	50	18	17	21	55	.46	.089	38	59	.90	176	.08	33	1.96	.05	.13	12	51

FIRST MANHATTEN RESOURCES FILE # 87-0140

SAMPLE#	MO	CU	PN	ZN	AG	NI	CO	MN	FE	AS	U	MO	TH	SR	CD	BB	BI	V	CA	P	LA	CR	MS	BA	TI	B	AL	NA	K	#	AUX
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPM	
L14 750W	1	26	63	165	.3	46	13	1408	3.74	11	5	ND	5	99	2	2	3	59	.41	.147	19	69	.96	614	.20	4	2.66	.01	.19	1	1
L14 725W	1	16	25	126	.2	60	12	1520	3.08	5	5	ND	6	55	1	2	2	48	.33	.094	19	58	.82	250	.17	4	2.43	.02	.13	1	1
L14 700W	2	26	31	152	.3	66	13	1586	3.51	17	5	ND	6	44	1	2	3	52	.29	.115	25	75	.80	236	.14	4	2.29	.02	.14	1	1
L14 675W	2	20	35	120	.4	95	14	1211	3.45	14	5	ND	7	24	1	4	2	50	.17	.110	29	80	.77	123	.12	2	2.48	.01	.11	1	1
L14 650W	2	20	42	151	.2	82	14	1567	3.27	15	5	ND	8	34	1	4	2	46	.27	.106	29	71	.77	185	.13	4	2.72	.01	.12	1	1
L14 625W	2	26	31	179	.3	59	11	1997	3.17	21	5	ND	9	25	2	2	2	43	.17	.143	27	57	.61	206	.15	5	3.04	.02	.11	1	1
L14 600W	2	23	44	177	.2	106	14	1948	3.23	17	5	ND	6	42	2	5	2	43	.31	.165	22	81	.76	244	.14	5	2.65	.02	.13	1	2
L14 575W	2	20	73	173	.2	140	17	1424	3.65	15	5	ND	4	35	1	4	2	51	.25	.126	27	114	1.00	160	.13	3	2.54	.01	.11	1	1
L14 550W	2	21	72	209	.4	144	18	1511	3.70	16	5	ND	9	33	2	5	3	51	.26	.100	27	127	1.07	152	.14	7	2.26	.01	.12	1	4
L14 525W	2	33	34	220	.5	95	18	1995	4.13	24	5	ND	9	51	2	6	2	63	.29	.154	23	109	1.23	262	.21	7	3.97	.02	.19	2	1
L14 500W	3	43	43	274	.6	77	31	2149	4.01	46	5	ND	3	71	3	2	2	50	.36	.134	19	73	.71	282	.13	6	2.02	.01	.13	1	1
L14 450W	1	21	33	156	.4	154	21	1586	4.05	14	5	ND	9	36	1	4	2	53	.26	.099	29	172	1.23	195	.14	4	2.48	.01	.12	1	1
L14 425W	1	23	90	184	.4	153	22	2117	3.63	22	5	ND	3	49	2	2	2	43	.33	.139	29	136	1.13	231	.12	7	2.46	.01	.13	1	1
L14 400W	1	19	44	137	.1	251	24	1316	4.12	13	5	ND	4	43	1	2	2	50	.31	.108	22	200	1.40	169	.13	7	2.59	.01	.11	1	1
L14 375W	1	22	81	170	.2	337	30	1351	4.74	23	5	ND	5	37	2	4	5	56	.34	.103	24	375	1.29	157	.11	6	1.92	.01	.10	1	1
L14 325W	1	19	56	138	.1	418	32	1234	4.58	22	5	ND	8	32	1	4	3	52	.26	.113	21	293	2.13	149	.13	9	2.34	.01	.12	1	1
L14 300W	1	14	30	116	.1	297	24	842	4.17	11	5	ND	5	27	1	2	6	47	.20	.155	15	250	1.53	216	.13	7	2.48	.01	.09	1	1
L14 275W	1	22	87	141	.1	251	27	1881	4.69	12	5	ND	6	55	1	2	2	48	.35	.083	16	272	2.22	365	.20	5	2.42	.02	.20	2	1
L14 250W	1	24	40	150	.1	211	22	1014	4.47	28	5	ND	7	38	1	5	2	59	.24	.137	20	219	1.55	326	.18	4	2.53	.02	.15	1	1
L14 200W	1	23	62	135	.1	371	34	1321	4.93	23	5	ND	5	40	1	4	2	60	.29	.091	22	331	2.16	219	.15	7	2.18	.01	.18	1	1
L14 175W	1	28	39	186	.2	253	25	1957	4.19	26	5	ND	12	50	2	5	2	54	.29	.119	18	218	1.43	439	.16	7	2.71	.02	.15	1	1
L14 125W	1	21	26	118	.2	256	27	929	4.43	26	5	ND	6	37	1	3	2	54	.23	.080	22	260	1.68	208	.12	3	2.25	.01	.12	1	1
L14 100W	2	26	54	200	.3	277	26	1364	4.17	31	5	ND	7	39	1	6	7	51	.27	.165	19	214	1.75	138	.12	7	2.53	.01	.13	1	9
L14 50W	2	29	54	227	.1	165	27	2177	4.30	26	5	ND	5	121	2	3	2	61	.53	.109	22	160	1.59	467	.16	6	2.72	.02	.25	1	3
L14 25W	1	29	31	159	.2	202	26	1391	4.66	18	5	ND	6	61	1	2	2	67	.35	.139	23	199	1.92	352	.20	5	2.37	.01	.27	1	1
L14 00	1	27	29	173	.1	152	21	1573	4.01	17	5	ND	7	44	1	2	3	53	.37	.193	20	151	1.39	502	.15	3	2.74	.01	.18	1	1
L14 25E	1	23	21	147	.4	172	16	550	3.46	27	5	ND	7	28	1	2	2	46	.19	.257	17	116	.96	229	.18	2	3.63	.02	.12	1	1
L14 75E	1	17	36	187	.1	132	16	1953	3.22	14	5	ND	6	42	2	2	2	40	.22	.260	14	119	.75	333	.14	3	2.57	.02	.12	1	1
L14 100E	1	23	20	185	.2	112	13	1113	2.89	19	5	ND	5	30	2	2	2	37	.19	.299	14	83	.61	281	.16	4	3.35	.03	.12	1	1
L14 125E	1	22	24	150	.1	125	14	941	2.99	15	5	ND	5	30	1	2	2	40	.16	.237	15	91	.75	313	.16	4	3.05	.02	.13	1	1
L14 150E	2	24	25	304	.1	91	14	3726	3.04	15	5	ND	4	68	2	2	2	36	.29	.499	15	27	.65	1083	.14	5	2.65	.03	.16	1	1
L14 175E	1	31	34	194	.2	112	16	1206	3.80	19	5	ND	8	59	2	3	3	53	.37	.293	23	114	1.13	500	.19	8	3.37	.02	.25	1	1
L14 200E	1	27	38	216	.1	108	18	1377	3.91	20	5	ND	6	85	1	2	2	54	.47	.325	20	117	1.23	552	.18	2	3.25	.02	.26	1	1
L14 225E	1	37	70	184	.1	137	19	1076	4.28	27	5	ND	5	72	1	5	2	68	.46	.134	29	142	1.48	335	.20	4	3.72	.05	.29	1	1
L14 275E	1	31	23	142	.3	140	17	852	4.01	24	5	ND	7	55	1	2	2	61	.37	.133	22	124	1.25	240	.20	4	3.72	.03	.21	1	1
L14 300E	1	28	21	157	.1	109	14	1063	3.28	20	5	ND	5	49	1	3	2	48	.36	.232	19	69	.69	215	.17	4	3.22	.03	.15	1	1
STD C/AU-9	18	57	37	132	7.2	67	29	1128	4.12	37	19	7	38	51	18	18	21	57	.44	.081	39	61	.29	179	.09	32	1.93	.06	.14	12	49

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	MO	TY	SR	CS	BR	Y	CA	P	LA	CR	MS	BA	TI	B	AL	NA	K	4	MU	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
L14 325E	2	21	24	161	.4	140	13	1029	3.59	20	5	ND	5	65	1	2	2	57	.62	.123	23	107	1.04	151	.20	7	3.61	.04	.12	1	1
L14 350E	2	27	19	174	.1	85	13	872	3.31	21	5	ND	3	47	1	2	2	44	.55	.259	14	37	.91	258	.17	3	2.96	.03	.14	1	1
L14 375E	2	29	27	174	.1	121	13	1132	3.44	22	5	ND	3	60	1	2	2	49	.50	.196	16	93	1.02	256	.17	4	2.28	.03	.14	2	4
L14 400E	2	23	23	180	.1	83	13	1053	3.78	23	5	ND	4	54	1	3	2	54	.52	.206	18	84	1.04	269	.17	4	3.07	.03	.15	1	1
L14 425E	2	48	25	135	.2	71	14	1167	4.05	27	5	ND	4	49	1	4	2	65	.51	.149	19	84	1.19	236	.17	6	3.22	.03	.19	1	11
L14 450E	2	42	24	134	.3	81	15	1000	4.11	37	5	ND	5	47	1	5	2	63	.53	.157	20	94	1.24	229	.19	4	3.21	.03	.22	1	1
L14 475E	2	40	23	174	.3	80	17	1619	4.57	29	5	ND	4	52	1	2	4	69	.54	.189	19	94	1.51	266	.17	3	3.10	.03	.25	1	2
L14 500E	2	41	22	142	.1	97	18	1638	4.75	24	5	ND	3	52	1	2	3	75	.56	.197	19	108	1.67	332	.17	3	3.04	.03	.24	1	1
L14 525E	2	48	15	142	.1	54	15	1479	4.72	23	5	ND	4	45	1	2	2	71	.52	.177	23	75	1.50	244	.19	4	3.73	.04	.25	1	1
L14 550E	2	27	20	189	.3	59	12	1308	3.67	24	5	ND	4	48	1	2	2	51	.52	.201	18	65	.99	250	.17	5	3.22	.04	.17	1	1
L14 575E	2	44	24	210	.2	74	15	1086	3.83	49	5	ND	4	71	1	2	4	58	.69	.101	21	87	1.05	187	.19	3	3.29	.04	.15	1	2
L14 600E	1	72	17	170	.1	112	19	1193	4.51	51	5	ND	3	62	1	2	3	73	.65	.092	20	107	1.33	218	.19	2	3.18	.04	.17	1	1
L14 625E	2	54	20	156	.4	67	16	1724	4.20	80	5	ND	3	55	1	5	3	66	.53	.207	17	85	1.06	264	.17	3	3.39	.03	.19	1	3
L14 650E	2	34	22	146	.2	59	13	1081	3.29	58	5	ND	3	42	1	2	2	47	.59	.191	14	65	.83	247	.17	4	3.19	.03	.15	1	2
L14 675E	2	33	23	134	.3	72	12	971	3.42	24	5	ND	5	41	1	3	2	48	.53	.217	19	77	.94	281	.17	5	3.13	.03	.15	1	1
L14 700E	2	31	19	119	.6	62	11	723	3.38	23	5	ND	6	38	1	7	2	49	.57	.157	17	69	.85	198	.19	8	3.70	.03	.13	3	1
L14 725E	1	35	15	136	.4	68	12	604	3.41	19	6	ND	5	64	1	2	2	51	.62	.106	21	76	.93	164	.20	3	3.47	.04	.12	1	1
L14 750E	1	31	21	155	.1	69	12	786	3.42	25	5	ND	5	55	1	2	2	49	.54	.185	17	81	.99	180	.19	2	3.34	.03	.11	1	2
L14 775E	1	36	23	119	.3	62	13	905	3.67	16	6	ND	5	42	1	2	2	58	.45	.110	16	70	.99	220	.21	4	3.74	.02	.12	1	1
L14 800E	1	32	18	97	.4	62	13	825	3.66	15	5	ND	5	39	1	2	3	59	.33	.085	15	79	1.09	254	.24	6	3.75	.03	.15	1	1
L14 825E	2	35	19	81	.4	69	13	690	3.76	15	5	ND	6	32	1	6	2	61	.29	.064	21	77	1.10	204	.23	6	4.06	.03	.13	2	2
L14 850E	1	39	31	115	.2	82	16	823	4.06	19	5	ND	4	50	1	2	2	62	.47	.197	17	87	1.51	228	.24	3	3.63	.03	.21	1	1
L14 875E	1	21	8	139	.1	27	7	1417	2.14	12	5	ND	2	40	1	2	2	27	.25	.272	7	23	.38	305	.15	2	2.84	.03	.07	1	1
L14 900E	1	31	19	110	.3	43	10	986	3.05	17	5	ND	6	30	1	3	2	48	.22	.186	13	52	.73	228	.17	2	2.86	.03	.12	1	2
L14 925E	1	28	11	173	.1	34	9	1695	2.77	15	5	ND	3	52	1	2	2	37	.30	.460	11	40	.52	364	.16	3	3.15	.03	.10	1	1
L14 950E	1	39	13	118	.5	106	12	931	3.56	44	8	ND	5	75	1	3	2	51	.74	.053	19	72	.97	157	.21	3	3.15	.05	.12	1	1
L14 975E	1	35	22	128	.4	67	12	791	3.44	36	5	ND	4	48	1	2	2	53	.44	.156	17	74	.94	219	.19	4	3.27	.03	.13	1	2
L14 1000E	1	33	19	122	.3	62	13	647	3.62	15	5	ND	4	38	1	2	2	60	.29	.112	17	72	1.03	205	.19	2	3.08	.03	.15	1	1
L14 1025E	2	32	22	139	.1	44	12	3276	3.58	13	5	ND	3	55	1	2	2	56	.55	.220	13	55	.87	461	.18	5	2.94	.03	.13	1	1
L14 1050E	1	34	13	115	.3	60	13	776	3.76	15	5	ND	5	44	1	4	2	61	.44	.169	18	72	1.09	214	.21	4	3.51	.03	.16	1	1
L14 1075E	1	38	21	132	.3	65	14	726	3.54	18	5	ND	5	42	1	2	3	56	.40	.247	17	75	1.12	258	.25	4	3.75	.03	.21	1	1
L14 1100E	1	31	16	150	.3	54	12	990	3.70	19	6	ND	5	53	1	2	2	56	.45	.177	16	65	.97	275	.22	3	3.40	.04	.19	1	10
L14 1125E	1	37	19	125	.2	44	14	687	4.01	29	5	ND	5	48	1	2	3	65	.42	.217	23	67	1.19	251	.25	5	3.72	.03	.24	1	1
L14 1175E	1	30	23	179	.2	45	13	2005	3.64	19	5	ND	2	42	1	2	2	56	.38	.172	13	62	.93	352	.19	5	2.95	.02	.17	1	1
L14 1200E	1	29	23	95	.2	41	11	1131	3.21	21	5	ND	5	60	1	2	2	52	.46	.067	16	47	.84	223	.20	2	3.50	.03	.15	1	4
L14 1250E	1	32	19	349	.2	56	9	1200	2.97	210	5	ND	5	42	2	2	2	49	.43	.215	14	39	.67	245	.19	3	3.50	.03	.15	1	1
STD C/AD-3	18	58	38	132	7.3	67	29	1118	4.23	41	18	8	37	51	18	13	19	56	.49	.384	39	61	.94	178	.08	35	1.34	.06	.13	13	49

FIRST MANHATTEN RESOURCES FILE # 87-1146

SAMPLE#	MO PPM	CU PPM	25 PPM	24 PPM	46 PPM	41 PPM	33 PPM	34 PPM	35 PPM	36 PPM	37 PPM	38 PPM	39 PPM	40 PPM	41 PPM	42 PPM	43 PPM	44 PPM	45 PPM	46 PPM	47 PPM	48 PPM	49 PPM	50 PPM	51 PPM	52 PPM	53 PPM	54 PPM	55 PPM	56 PPM	57 PPM	58 PPM	59 PPM	60 PPM	61 PPM	62 PPM	63 PPM	64 PPM	65 PPM	66 PPM	67 PPM	68 PPM	69 PPM	70 PPM	71 PPM	72 PPM	73 PPM	74 PPM	75 PPM	76 PPM	77 PPM	78 PPM	79 PPM	80 PPM	81 PPM	82 PPM	83 PPM	84 PPM	85 PPM	86 PPM	87 PPM	88 PPM	89 PPM	90 PPM	91 PPM	92 PPM	93 PPM	94 PPM	95 PPM	96 PPM	97 PPM	98 PPM	99 PPM	100 PPM
L15 1175W	2	30	154	318	.6	64	11	1921	2.99	18	5	ND	5	23	1	2	42	.20	.119	20	52	.66	192	.16	5	2.99	.01	.10	1	7																																												
L15 1150W	2	37	64	144	.4	93	13	1724	3.07	10	5	ND	5	29	1	2	42	.27	.095	25	54	.70	173	.17	6	2.55	.01	.09	2	17																																												
L15 1125W	1	36	41	112	.1	94	10	910	2.24	13	5	ND	3	42	1	2	3	.34	.201	27	73	.64	153	.10	4	2.14	.01	.06	2	3																																												
L15 1100W	1	20	19	112	.2	84	8	659	2.09	4	5	ND	7	23	1	2	29	.22	.190	17	43	.43	139	.12	3	2.42	.02	.07	1	5																																												
L15 1075W	1	23	25	165	.1	52	3	1237	2.09	4	5	ND	4	21	1	2	2	.27	.13	.320	14	23	.29	232	.14	4	3.04	.03	.06	1	1																																											
L15 1050W	1	29	33	129	.1	109	15	1610	2.55	9	5	ND	7	55	1	2	7	.48	.126	27	62	.75	245	.13	4	2.39	.01	.10	1	4																																												
L15 1025W	2	32	50	146	.1	98	15	1757	2.52	11	5	ND	7	24	1	2	5	.48	.120	29	90	.75	233	.11	4	1.91	.01	.10	1	5																																												
L15 1000W	1	27	65	165	.1	61	13	1391	2.22	13	5	ND	2	33	1	2	7	.48	.096	25	75	.71	162	.10	5	1.92	.01	.09	1	75																																												
L15 975W	2	41	53	196	.3	95	13	1213	2.07	11	5	ND	1	24	1	2	43	.37	.126	52	74	.75	124	.08	3	2.31	.01	.08	1	2																																												
L15 950W	2	31	71	270	.1	61	13	927	2.11	14	5	ND	5	-5	1	2	42	.35	.086	24	61	.73	106	.14	2	2.66	.01	.09	1	3																																												
L15 925W	2	37	127	363	.2	67	13	2073	3.15	23	5	ND	1	71	4	2	44	.50	.139	38	53	.69	245	.11	4	2.31	.01	.13	1	18																																												
L15 900W	2	36	110	203	.1	67	15	1634	2.29	22	5	ND	3	30	2	2	47	.46	.090	24	61	.70	239	.10	7	2.40	.01	.10	2	1																																												
L15 875W	2	37	59	183	.4	66	17	2114	3.69	16	5	ND	3	60	3	2	55	.38	.129	24	70	.86	255	.11	4	2.61	.01	.12	1	3																																												
L15 850W	1	24	39	102	1.0	60	11	963	3.07	6	5	ND	5	46	1	2	44	.28	.090	25	56	.61	154	.11	4	2.39	.01	.09	1	23																																												
L15 825W	2	22	27	135	.1	76	14	1233	3.22	11	5	ND	7	43	1	2	46	.31	.096	23	64	.64	172	.11	3	2.34	.01	.08	1	4																																												
L15 800W	1	26	72	137	.4	75	13	1455	3.04	11	5	ND	4	56	1	2	5	.46	.163	52	75	.74	191	.10	5	2.16	.01	.09	1	5																																												
L15 775W	1	17	29	106	.1	55	10	1321	2.72	7	5	ND	5	27	1	2	38	.22	.119	16	46	.48	169	.13	3	2.63	.01	.10	1	1																																												
L15 750W	2	26	27	129	.1	72	15	1467	2.79	9	5	ND	2	33	2	2	54	.33	.088	20	81	1.14	275	.15	5	2.70	.01	.13	1	1																																												
L15 650W	4	38	51	194	.5	69	21	1516	3.27	60	5	ND	3	72	3	2	45	.44	.134	23	55	.66	213	.10	2	2.09	.01	.13	1	3																																												
L15 550W	1	34	34	174	.4	114	25	1456	4.67	5	5	ND	4	127	2	2	78	.66	.150	26	124	2.18	479	.17	4	3.26	.02	.41	1	1																																												
L15 625W	1	35	40	159	.2	109	22	1293	4.35	6	5	ND	6	122	1	2	4	.93	.173	36	197	2.57	360	.24	29	3.38	.02	.91	1	1																																												
L15 600W	1	31	44	190	.2	123	22	1193	3.82	16	5	ND	3	62	1	2	4	.54	.152	29	121	1.25	198	.11	5	2.42	.01	.25	1	4																																												
L15 475W	1	22	45	201	.1	110	17	1664	3.76	11	5	ND	5	42	2	2	50	.29	.127	30	106	.93	216	.11	4	2.35	.01	.14	1	1																																												
L15 450W	2	30	65	277	.5	178	23	1567	3.93	25	5	ND	5	59	2	2	49	.33	.111	25	142	1.12	170	.11	5	2.31	.01	.12	1	10																																												
L15 425W	1	34	176	76	.4	15	3	233	2.64	9	5	ND	2	3	1	2	42	.11	.061	11	16	.28	149	.02	5	.67	.01	.05	1	1																																												
L15 400W	2	24	70	214	.2	184	22	2145	3.20	16	5	ND	2	49	2	2	47	.30	.121	24	154	1.14	203	.10	2	2.32	.01	.10	1	3																																												
L15 375W	2	22	55	159	.1	206	22	1512	4.19	17	5	ND	7	26	1	2	51	.16	.104	25	197	1.22	122	.11	7	2.17	.01	.10	1	2																																												
L15 350W	1	30	54	184	.2	171	26	2044	4.26	17	5	ND	4	61	2	2	61	.42	.110	24	186	1.49	232	.11	5	2.43	.01	.10	1	1																																												
L15 300W	1	25	54	159	.1	318	31	1597	4.62	12	5	ND	3	59	1	2	55	.39	.133	20	254	1.91	335	.12	8	2.47	.01	.16	1	2																																												
L15 275W	1	30	56	184	.2	183	26	1839	4.95	8	5	ND	2	103	2	2	87	.72	.163	22	225	2.29	483	.19	9	2.99	.02	.44	1	1																																												
L15 250W	1	29	63	183	.2	210	28	1724	4.92	11	5	ND	3	120	2	2	77	.67	.143	20	214	2.17	513	.18	5	2.63	.02	.46	1	1																																												
L15 200W	1	24	48	153	.1	347	33	1401	4.45	18	5	ND	2	74	2	2	4	.55	.112	20	257	2.00	266	.11	9	2.22	.01	.19	1	1																																												
L15 150W	1	32	57	171	.4	189	23	1473	3.79	21	5	ND	4	36	2	2	54	.40	.138	24	167	1.47	224	.13	7	2.62	.01	.21	1	3																																												
L15 125W	1	30	42	190	.1	303	31	1521	4.62	19	5	ND	2	62	1	2	59	.29	.111	22	256	1.86	252	.13	5	2.95	.01	.19	1	2																																												
L15 75W	1	25	41	133	.1	271	25	1576	4.14	14	5	ND	1	25	1	2	7	52	.37	.126	19	208	1.59	294	.10	20	2.43	.01	.11	1	2																																											
STD C/AU-5	18	58	39	132	7.4	66	29	1110	4.31	25	17	5	75	31	13	17	22	56	.44	.081	39	60	.39	179	.08	32	1.94	.05	.14	12	49																																											

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE I	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CR %	P %	LA PPM	CB PPM	MG %	BA PPM	TI %	S PPM	AL %	KA %	K %	W PPM	RU# PPB
L15 25N	1	18	24	179	.1	183	19	2469	2.92	13	5	ND	5	31	1	2	2	48	.18	.220	14	148	1.16	451	.15	9	2.29	.32	.13	1	1
L15 175E	1	15	31	162	.1	203	20	1144	4.10	14	5	ND	6	47	1	2	2	52	.52	.102	19	172	1.30	287	.25	9	2.91	.31	.13	1	1
L15 200E	1	14	21	156	.1	134	14	1055	2.95	9	5	ND	4	44	1	3	2	34	.24	.233	11	95	.70	498	.14	5	2.36	.22	.10	2	2
L15 225E	1	20	19	141	.2	131	15	1047	3.09	16	5	ND	4	35	1	3	2	39	.24	.269	13	88	.75	315	.15	5	2.85	.22	.10	1	37
L15 250E	1	19	14	138	.3	110	14	1059	3.07	19	5	ND	5	37	1	2	2	39	.24	.251	14	83	.78	393	.15	9	3.14	.22	.13	1	1
L15 275E	1	27	22	127	.3	167	23	695	4.34	25	5	ND	5	56	1	2	2	60	.52	.176	21	135	1.20	240	.17	6	3.23	.22	.22	1	1
L15 300E	1	31	34	139	.1	120	26	520	4.15	27	5	ND	6	65	1	2	2	60	.37	.273	22	104	1.11	339	.17	4	3.30	.22	.25	1	1
L15 325E	1	20	19	173	.1	83	14	1795	2.62	12	5	ND	5	72	1	2	2	39	.42	.295	15	79	.83	658	.16	3	2.39	.25	.19	1	1
L15 350E	1	16	13	163	.1	64	12	677	3.07	17	5	ND	5	49	1	2	2	41	.26	.493	14	55	.69	444	.17	3	2.26	.22	.14	1	1
L15 375E	1	23	24	139	.1	113	15	737	3.53	29	5	ND	5	38	1	2	2	51	.28	.314	16	75	.83	278	.18	6	3.25	.22	.14	1	1
STD C/AU-5	20	62	41	128	7.4	67	30	1043	4.17	41	19	8	40	51	19	18	21	58	.47	.093	40	57	.91	167	.08	34	1.36	.26	.14	14	47
L15 400E	1	24	40	188	.1	117	15	1590	3.45	27	5	ND	4	58	1	4	2	46	.29	.275	14	94	.82	412	.15	4	3.32	.32	.17	1	1
L15 425E	1	29	35	153	.2	173	18	1395	3.91	28	5	ND	4	65	1	2	2	56	.38	.185	24	121	1.07	346	.16	11	3.22	.32	.19	1	2
L15 450E	1	20	27	172	.1	125	15	854	3.38	15	5	ND	4	39	1	2	2	45	.25	.232	16	84	.84	280	.16	5	3.03	.32	.14	1	1
L15 475E	1	22	24	194	.1	128	14	1627	3.66	12	5	ND	5	51	1	2	2	51	.36	.159	20	82	.95	317	.19	7	3.40	.33	.17	1	1
L15 500E	2	21	30	165	.1	97	14	965	3.60	16	5	ND	4	48	1	2	2	51	.31	.271	17	74	.91	342	.17	7	3.15	.25	.17	1	2
L15 525E	1	22	22	132	.1	88	16	569	3.89	19	5	ND	5	46	1	2	2	60	.30	.183	20	92	1.13	276	.17	7	2.73	.22	.23	1	1
L15 550E	1	24	17	91	.4	119	16	408	4.17	23	5	ND	6	84	1	2	2	69	.62	.037	26	239	1.31	291	.20	7	3.38	.24	.20	1	1
L15 575E	1	27	37	117	.1	116	16	677	4.07	22	5	ND	6	68	1	2	2	63	.49	.075	24	184	1.20	329	.19	7	3.53	.23	.24	1	1
L15 600E	1	25	33	169	.1	65	16	1082	3.70	19	5	ND	3	70	1	2	2	56	.37	.354	16	93	1.09	499	.16	3	3.15	.22	.24	1	1
L15 625E	1	33	52	136	.1	106	14	880	3.57	19	5	ND	3	97	1	2	2	58	1.04	.125	23	103	1.19	240	.16	7	2.47	.24	.23	1	1
L15 650E	1	38	24	169	.1	97	15	904	3.78	26	5	ND	5	65	1	2	2	58	.72	.097	24	84	1.05	178	.20	7	3.46	.25	.16	1	1
L15 675E	1	29	14	104	.1	60	11	464	2.98	28	5	ND	3	54	1	2	2	44	.62	.091	18	69	.63	104	.18	3	3.16	.24	.08	1	1
L15 700E	1	25	28	139	.1	117	15	649	3.56	23	5	ND	10	77	1	2	2	52	.89	.175	19	114	1.01	274	.15	14	2.68	.25	.16	1	1
L15 725E	1	33	12	137	.1	71	14	872	3.65	121	5	ND	6	58	1	2	2	50	.52	.080	25	84	.93	178	.21	5	3.59	.24	.14	1	1
L15 750E	1	28	19	104	.1	95	14	715	3.59	29	5	ND	5	62	1	2	2	53	.51	.093	14	106	.99	265	.19	2	3.16	.25	.16	1	21
L15 775E	1	54	21	99	.2	140	13	553	3.57	25	5	ND	5	93	1	2	2	54	.93	.036	25	145	.95	255	.23	6	3.66	.26	.13	1	1
L15 800E	1	37	11	115	.1	71	15	731	4.73	16	5	ND	4	39	1	2	2	74	.40	.049	17	78	1.76	290	.21	4	4.06	.23	.24	1	19
L15 850E	2	25	29	158	.1	96	16	1169	4.03	16	5	ND	4	50	1	2	2	62	.43	.146	19	92	1.14	296	.18	6	2.95	.22	.16	1	1
L15 900E	1	37	28	137	.1	47	11	518	3.63	19	5	ND	4	29	1	2	2	56	.29	.074	14	38	.91	192	.21	4	4.21	.23	.15	1	1
L15 925E	1	35	35	170	.1	77	14	1076	3.99	21	5	ND	4	47	1	2	2	61	.49	.114	15	74	1.31	292	.18	5	3.62	.23	.19	1	1
L15 950E	1	33	22	141	.1	35	11	915	3.32	27	5	ND	4	29	1	2	2	53	.26	.139	13	39	.78	294	.20	4	3.95	.23	.14	1	1
L15 975E	1	27	22	143	.1	36	14	1451	2.82	24	5	ND	4	42	1	2	2	59	.34	.141	10	40	1.01	311	.18	4	3.54	.23	.19	1	1
L15 1025E	1	24	27	168	.1	43	17	729	2.28	34	5	ND	4	46	1	2	2	82	.49	.132	13	44	.73	257	.19	6	3.57	.23	.15	1	1
L15 1050E	1	29	23	129	.3	44	12	889	2.20	31	5	ND	4	42	1	2	2	52	.32	.137	17	45	.78	233	.19	6	3.43	.23	.14	1	1
L15 1075E	1	22	21	168	.1	44	11	1164	3.08	24	5	ND	4	54	1	2	2	48	.50	.225	14	46	.71	324	.17	8	3.10	.25	.15	1	28
L15 1100E	1	30	19	156	.1	45	12	579	3.44	24	5	ND	4	37	1	2	2	56	.52	.211	16	55	.81	250	.17	4	3.19	.23	.13	1	19

SAMPLE#	MO	CU	PD	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SS	BI	V	CA	P	LA	CF	MS	BR	TI	S	AL	NA	K	W	AUR
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
L15 1125E	1	41	14	140	.7	55	10	544	7.50	70	5	ND	4	45	1	4	2	59	.34	.145	15	60	.77	194	.22	2	3.51	.04	.15	1	1
L15 1150E	1	27	17	110	.4	38	12	321	7.47	44	5	ND	3	55	1	3	2	66	.62	.052	15	45	.68	111	.21	5	3.49	.05	.10	1	1
L15 1175E	1	30	18	115	.3	30	10	676	7.16	29	5	ND	5	48	1	2	2	51	.58	.184	16	40	.65	212	.21	8	4.07	.04	.14	2	1
L15 1200E	1	30	22	156	.2	41	11	1358	7.22	46	5	ND	3	56	1	2	2	52	.49	.237	15	46	.68	210	.20	7	3.58	.04	.16	1	2
L15 1225E	1	46	17	153	.2	38	13	1554	7.77	17	5	ND	3	48	1	3	2	66	.46	.142	14	42	.78	274	.20	7	3.78	.03	.18	2	1

Cost statement for Vermont 1,2,3 Mineral Claim(s):

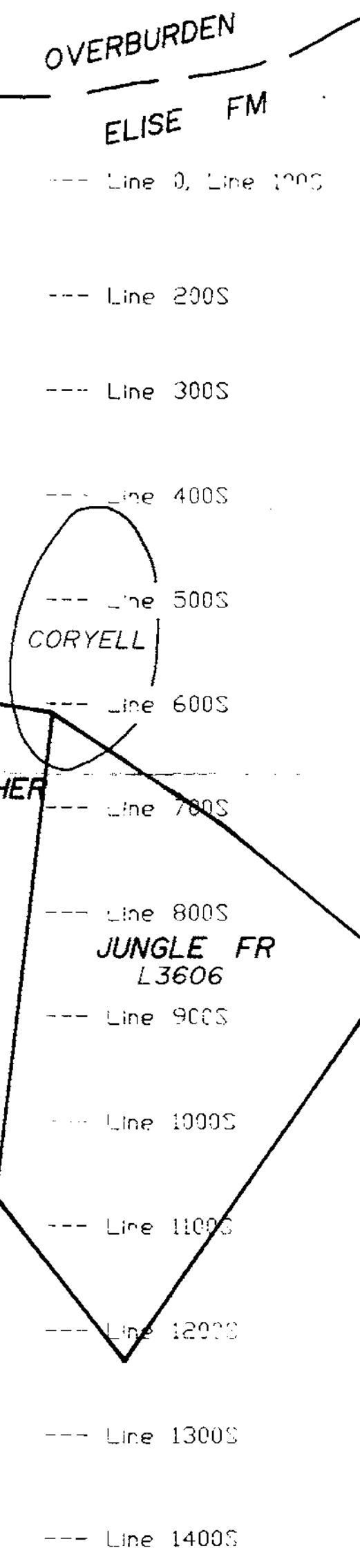
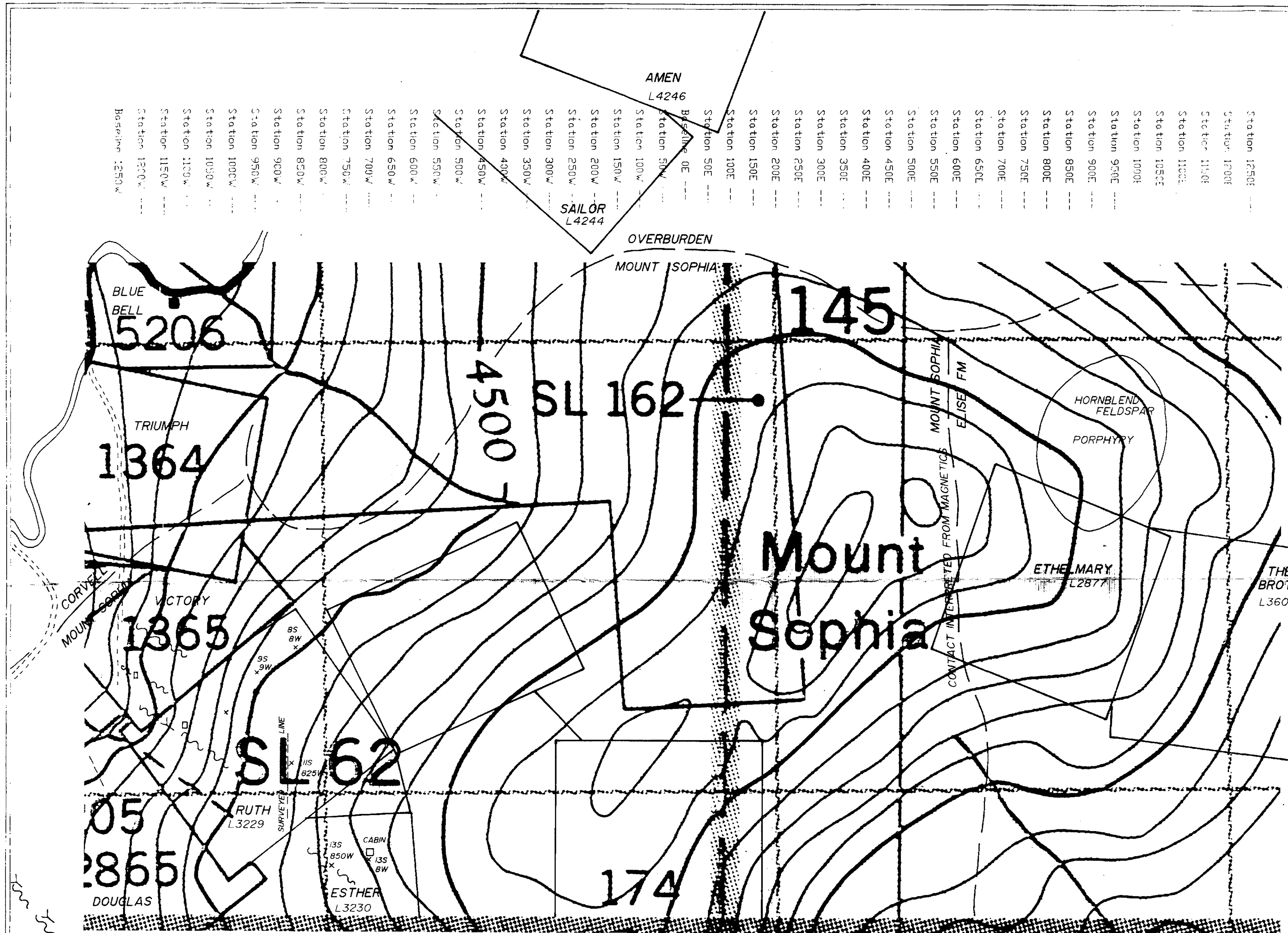
Payments to:

A) Ultraline Mining Services Inc.	
i) Supplies, Lodging and travel	\$ 9,054.77
ii) Geophysical, Field Work and Supervision	23,401.05
iii) Geological and Prospecting	9,992.68
B) Acme Analytical Laboratories Ltd.	
i) Assays	16,445.00
ii) Supplies	449.44
C) Burton Consulting Inc.	
i) Engineering	2,543.64
D) Ruza Resources Ltd.	
i) Prospecting	3,120.67
E) RMP Mapping and Computer Services Ltd.	
i) Mapping	1,800.00
F) Brad's Drafting Service	
i) Mapping	1,527.75
G) Melan M. Pardek	
i) Supplies, Lodging and Travel	1,424.91
ii) Geophysical, Field Work and Supervision	2,250.00
H) Norman McCartney	
i) Geophysical, Field Work	5,496.40
ii) Supplies	152.71
I) Deakin Equipment Ltd.	
i) Supplies	273.58
J) Dag Livgard	
i) Prospecting	863.25
K) Others	
i) Supplies, Lodging and Travel	1,780.87
ii) Geophysical, Field Work	695.36

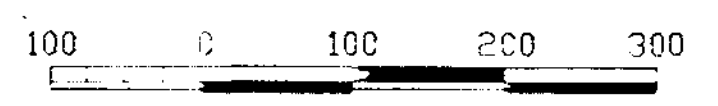
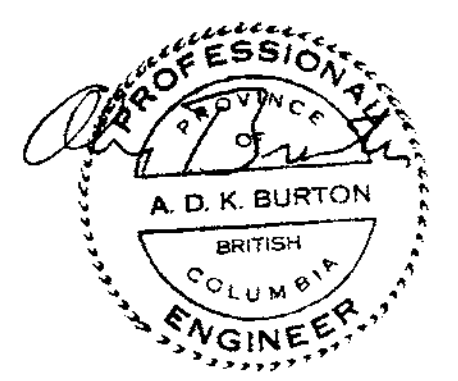
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\$ 81,272.08



LEGEND  
--- GEOLOGICAL CONTACTS  
Y ADITS  
□ PITS AND SHAFTS  
~ FAULTS, MINERALIZED  
□ ABANDONED CROWN GRANTS CLAIMS

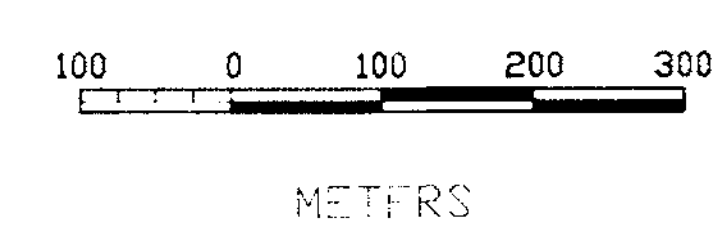
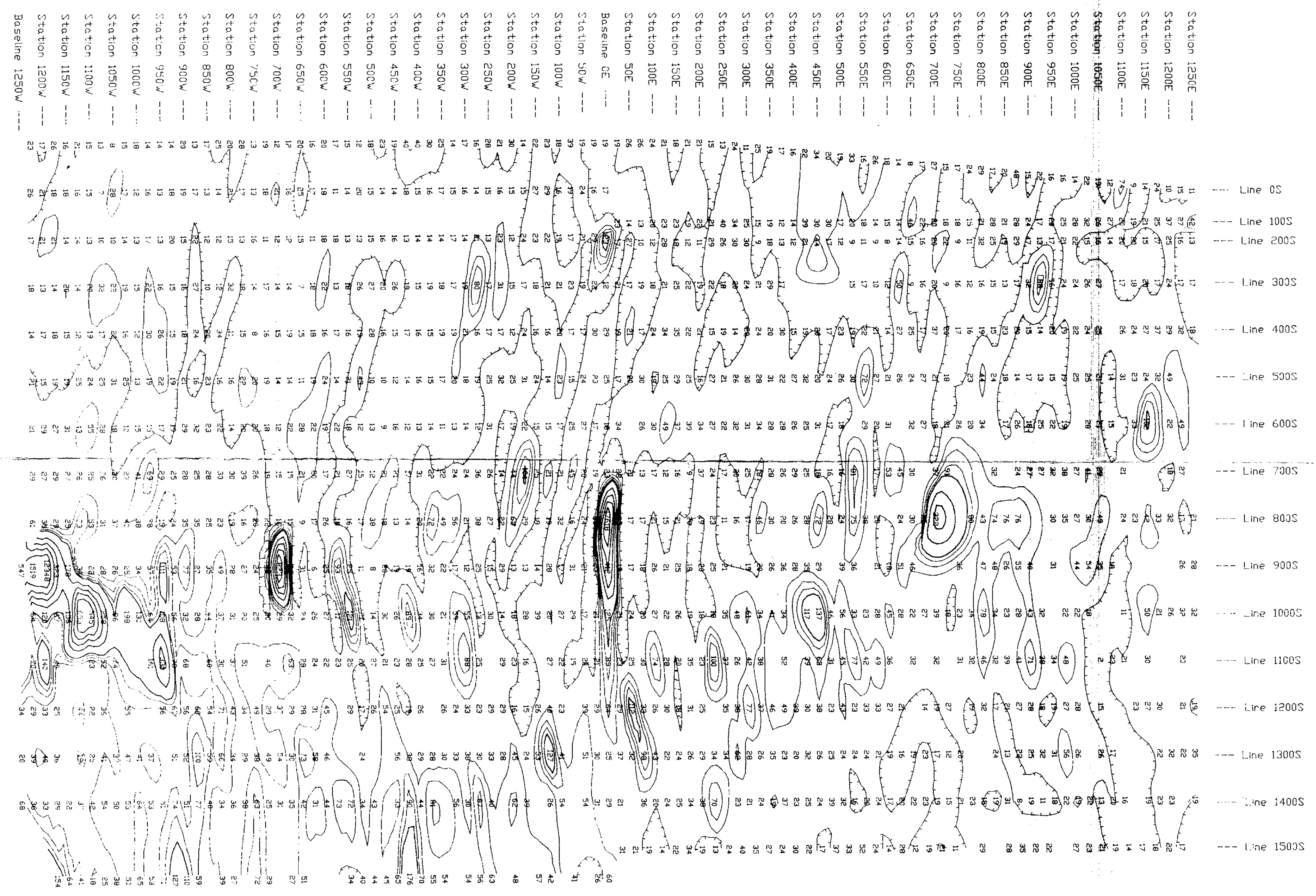
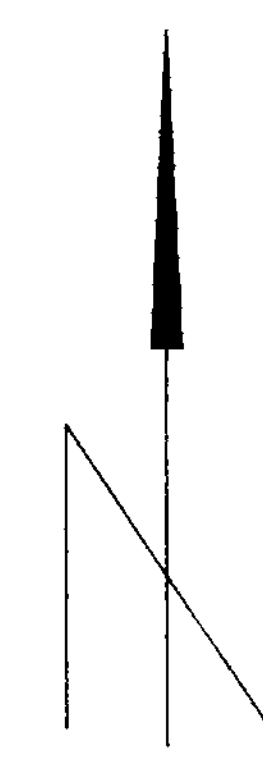


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,718

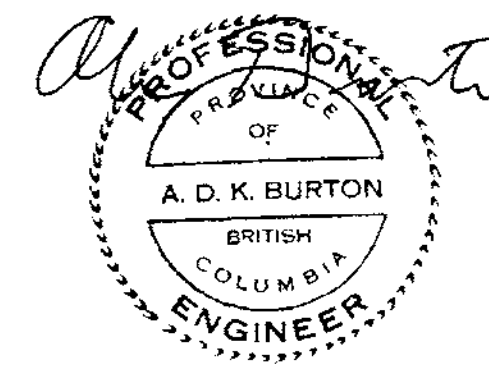
FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
TOPOGRAPHY PITS, SHAFTS, ADITS, MINERALIZED FAULTS AND GEOLOGY	
ROSSLAND B.C.	
NTS: 82 F/4	DATE: MARCH 1988
PLOTTED BY: R.P.M.	FIGURE NO.





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

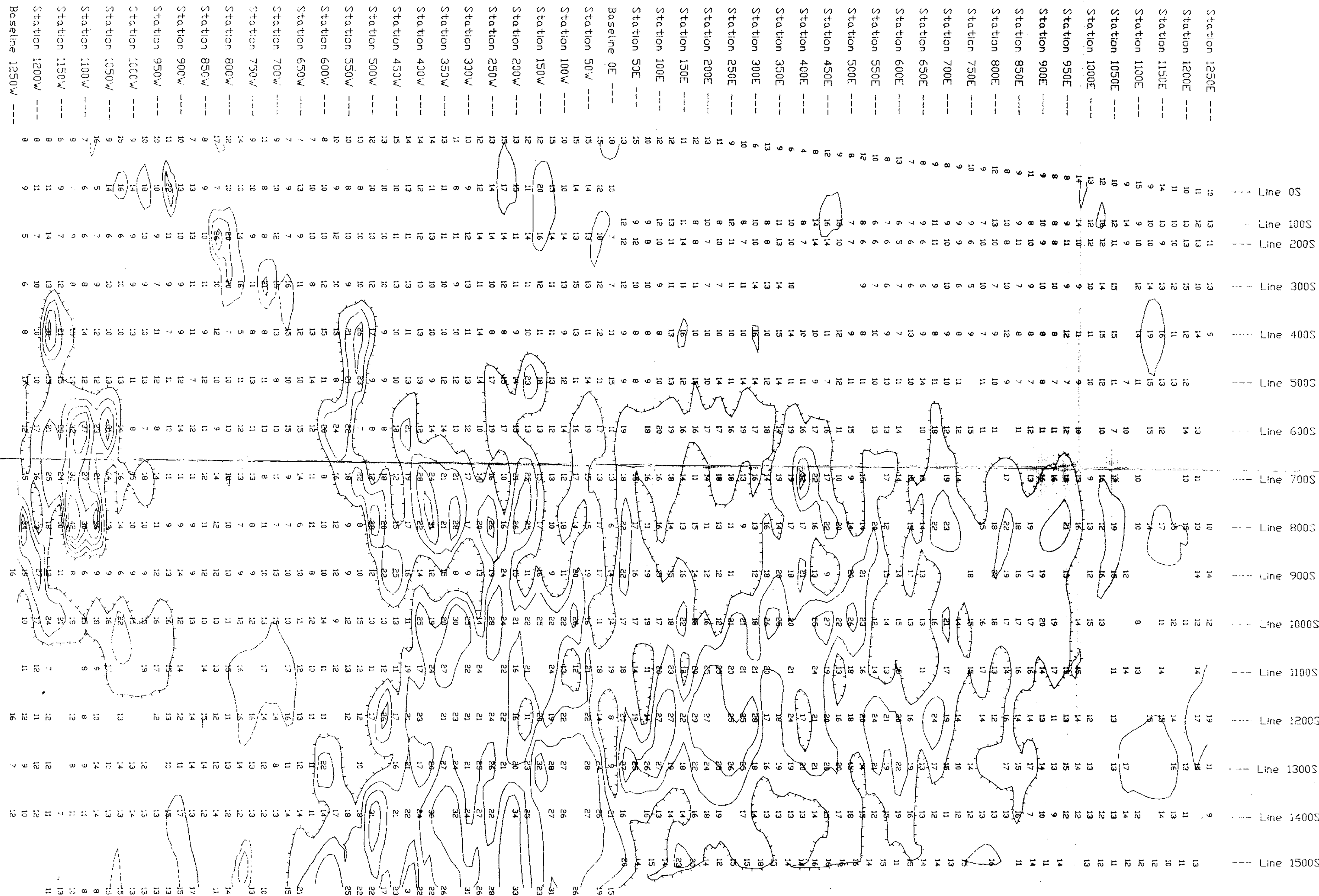
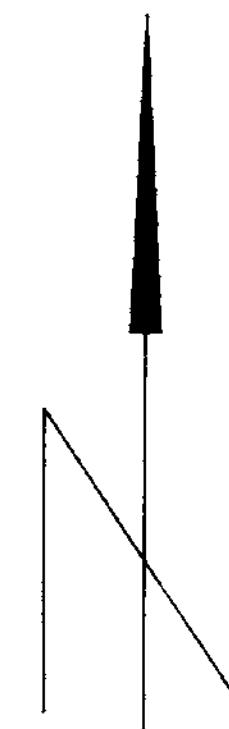
17,718



CONTOUR INTERVAL  
20 PPM (BELOW 100 PPM)  
100 PPM (ABOVE 100 PPM)

MAX. CONTOUR INTERVAL SHOWN: 500 PPM

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPK MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
LEAD	
ROSSLAND B.C.	
NTS: B2 F/4	DATE: MARCH, 1988
PLOTTED BY: RPK	FIGURE NO.



CONTOUR INTERVAL: 5 PPM

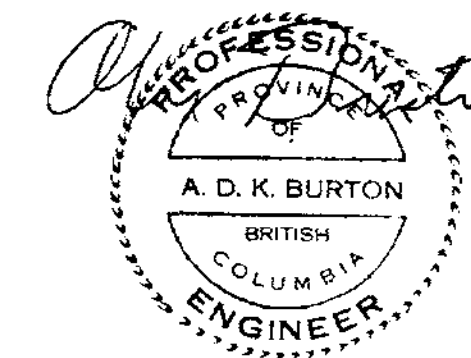
LOWEST CONTOUR INTERVAL SHOWN: 15 PPM

100 0 100 200 300

METERS

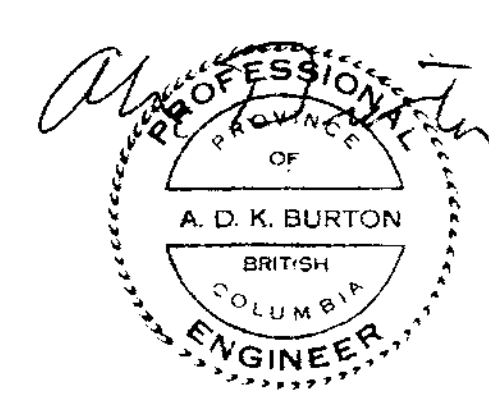
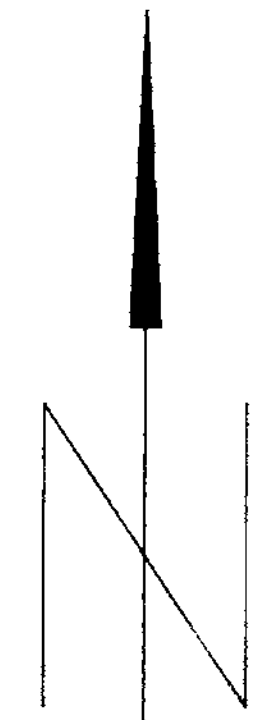
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
COBALT	
ROSSLAND B.C.	
N.T.S. B2 F/4	DATE: MARCH 1988
PLOTTED BY R.P.M.	FIGURE NO.

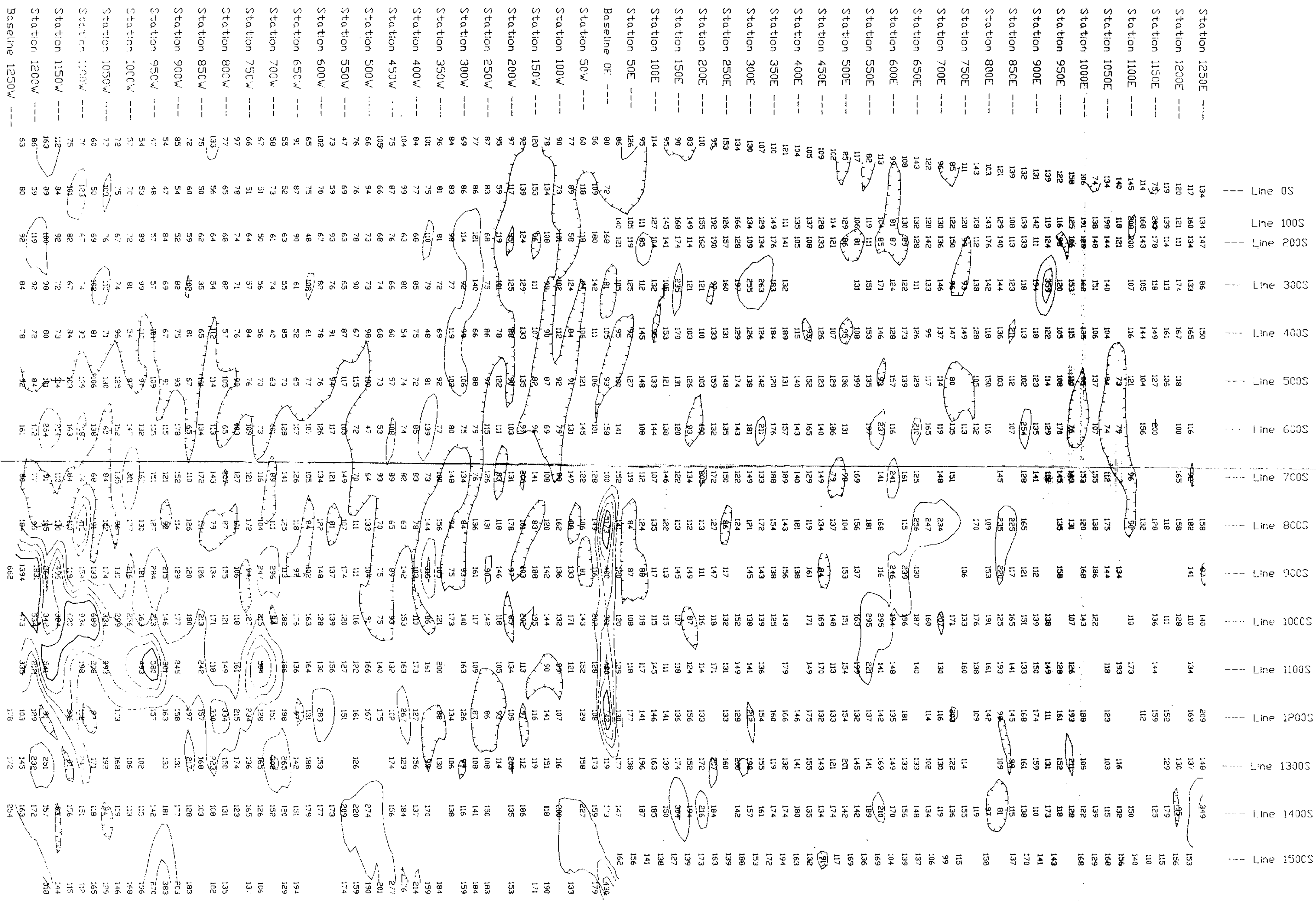




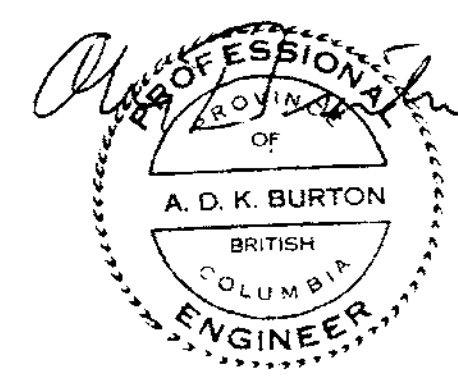
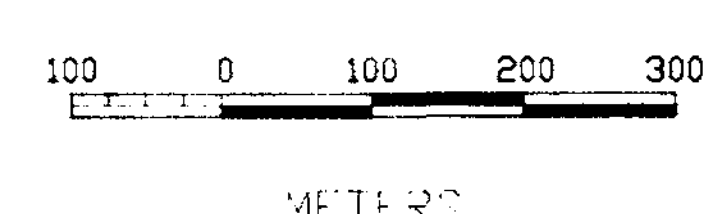
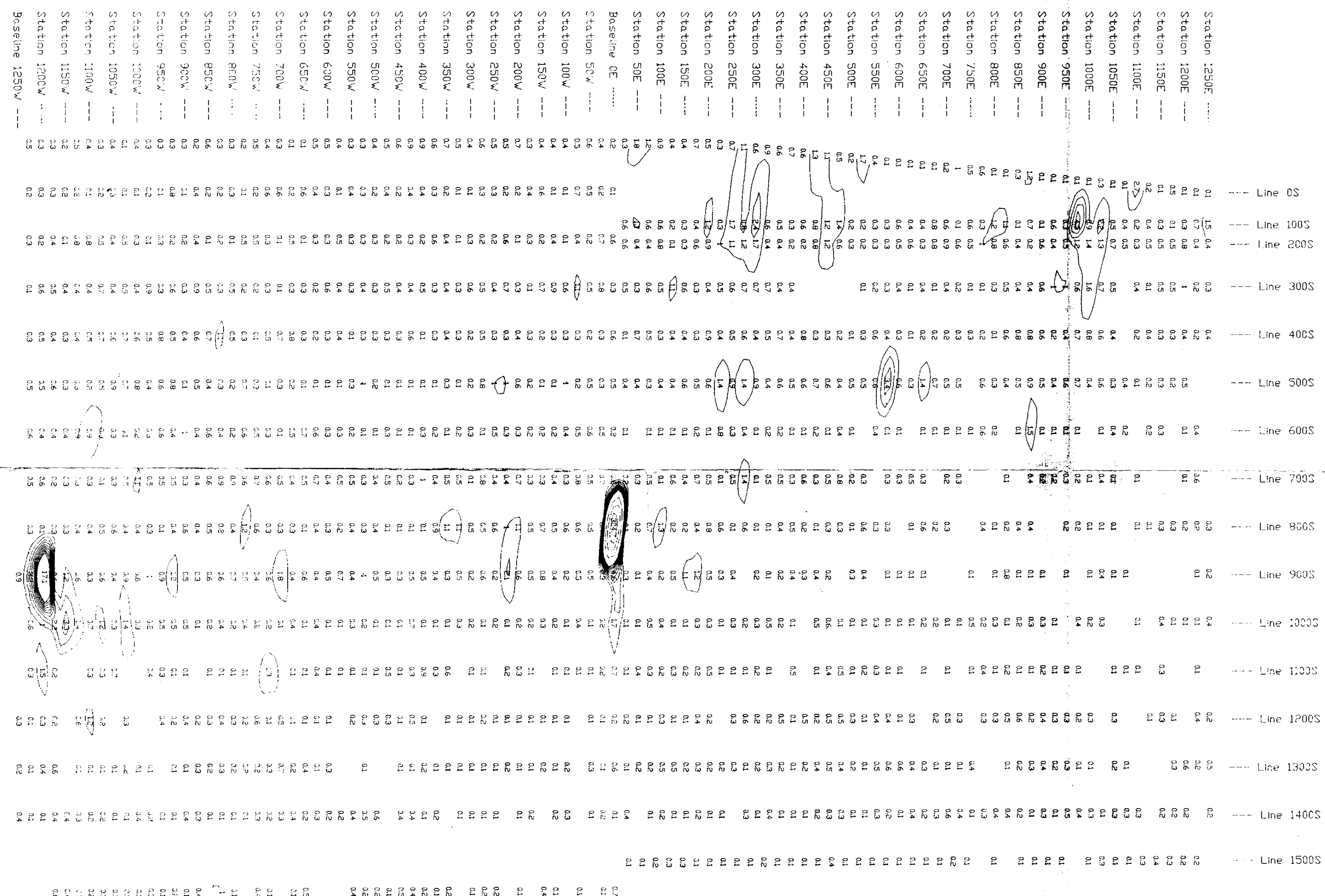
METRE'S  
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
ZINC	
RUSSLAND B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY: R.P.M.	FIGURE NO.



CONTOUR INTERVAL: 100 PPM  
MAX. CONTOUR SHOWN: 500 PPM



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

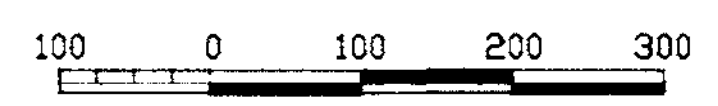
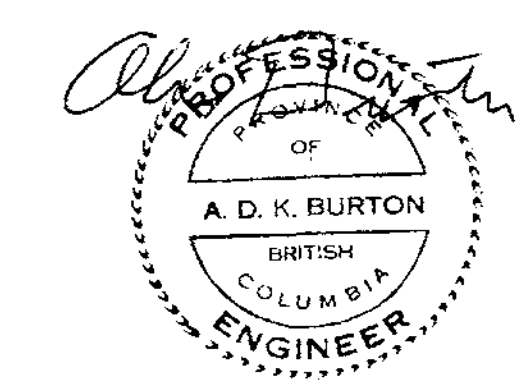
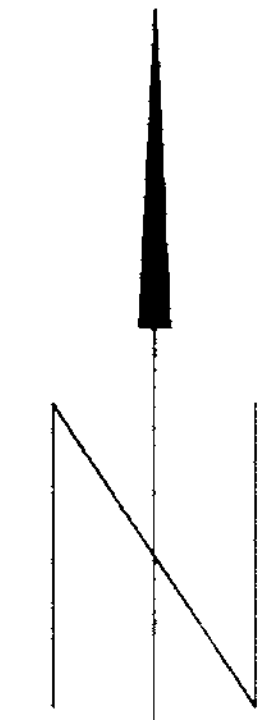
**17.718**

CONTOUR INTERVAL  
1.0 PPM (BELOW 10.0 PPM)  
10.0 PPM (ABOVE 10.0 PPM)

MAX. CONTOUR INTERVAL SHOWN: 50.0 PPM

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
SILVER	
ROSSLAND B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY RPM	FIGURE NO.

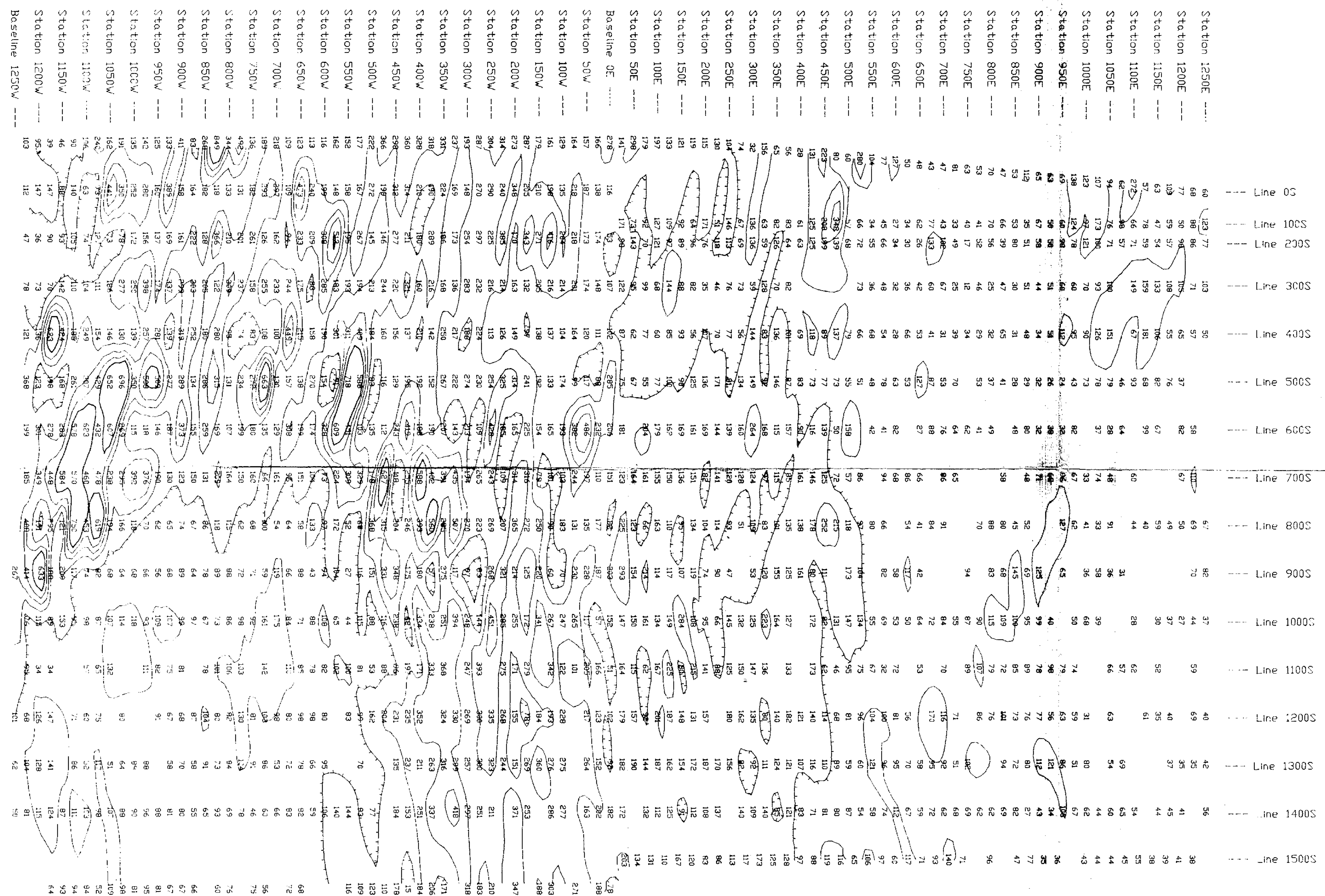




GEOLOGICAL BRANCH ASSESSMENT REPORT

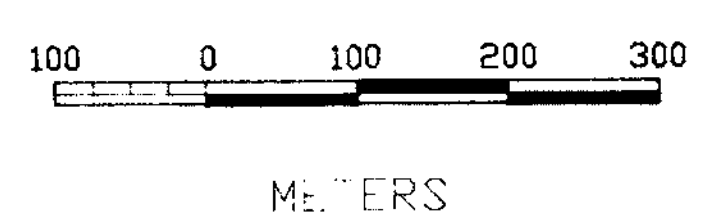
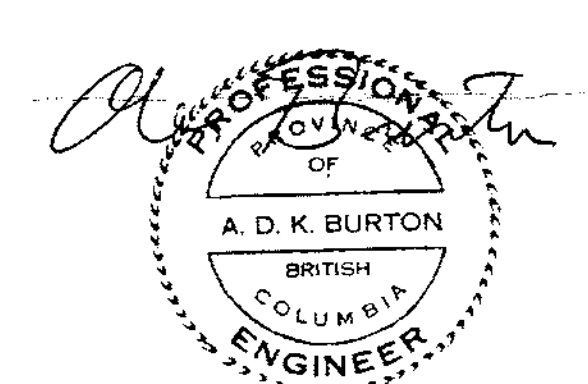
17,718

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: R/M MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
NICKEL	
ROSSLAND B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY R.P.M.	FIGURE NO.



MAX. CONTOUR INTERVAL SHOWN: 500 PPM

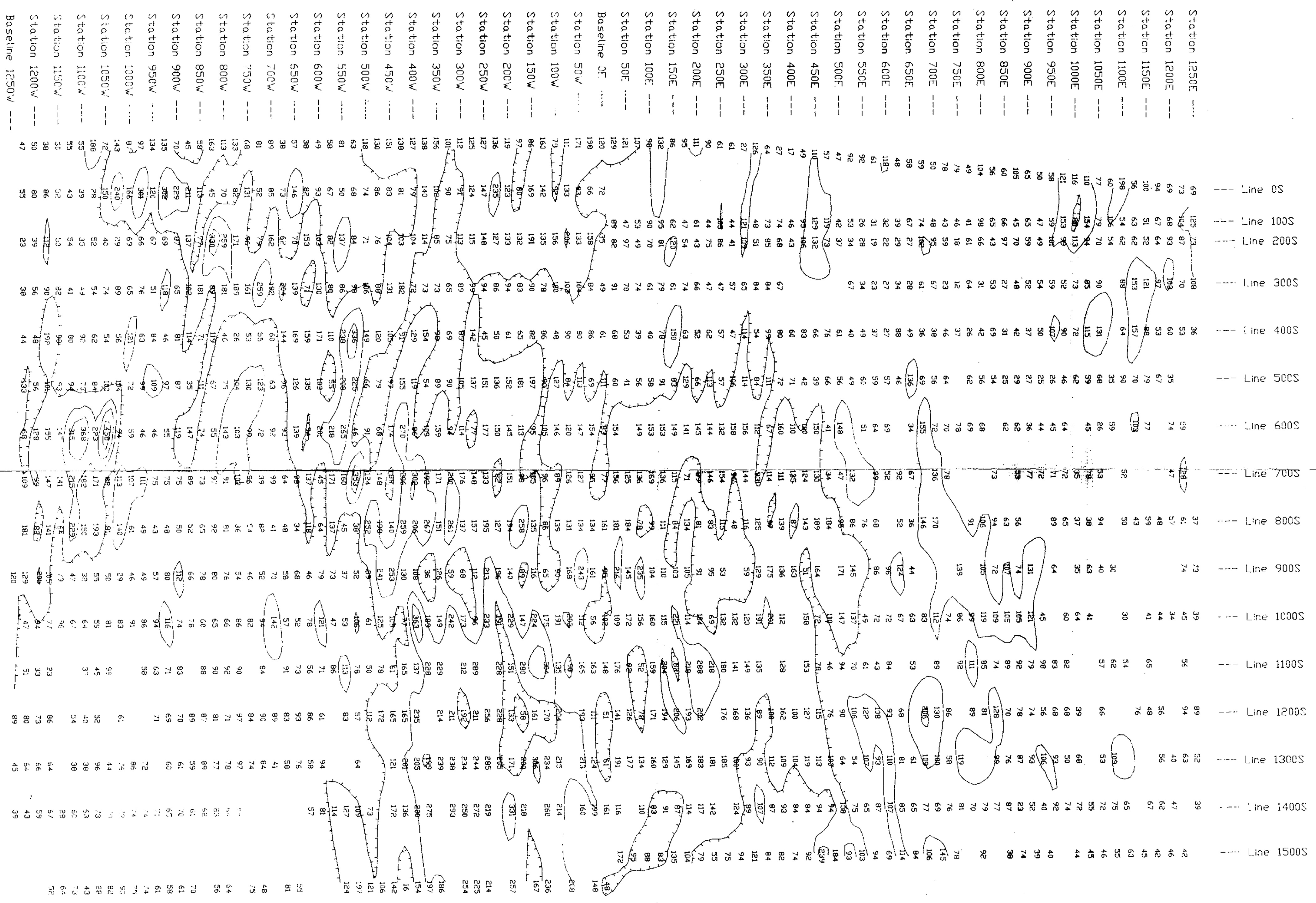
CONTOUR INTERVAL: 100 PPM



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,718

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
CHROMIUM	
ROSS, AND B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY: R.P.M.	FIGURE NO.



MAX. CONTOUR INTERVAL SHOWN: 500 PPM

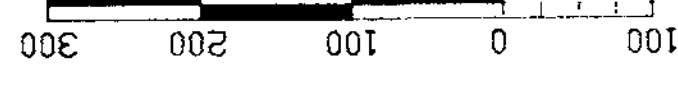
CONTOUR INTERVAL: 100 PPM



# 17,718

## GEOLOGICAL BRANCH ASSESSMENT REPORT

METERS



FIRST MANHATTEN RESOURCES CORP.

ROSA VERMONT CLAIM GROUP

PLOTTED BY: PHM MAPPINGS  
AND GRAPHICS SERVICES LTD.

TOTAL MAGNETIC

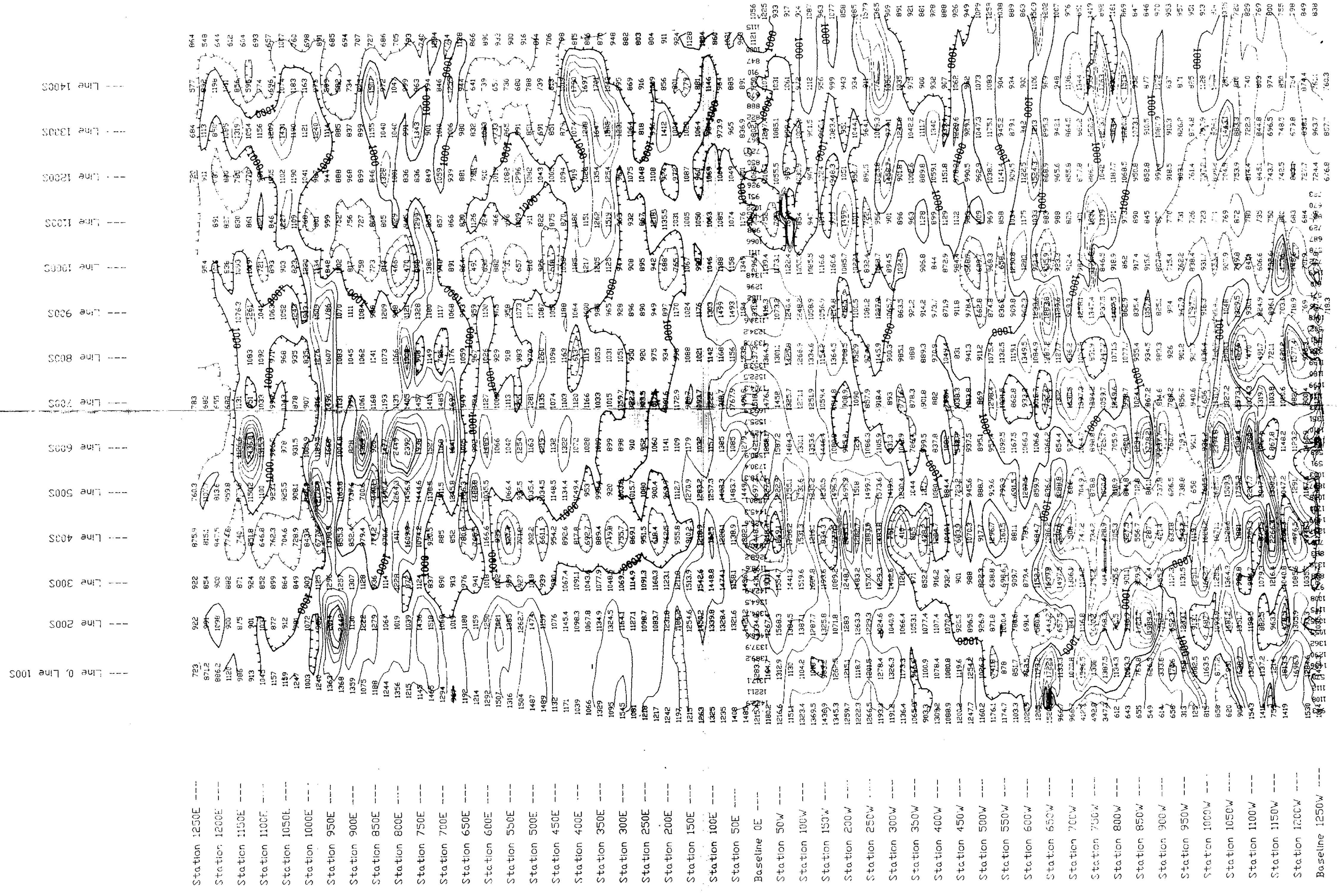
FIELD STRENGTH

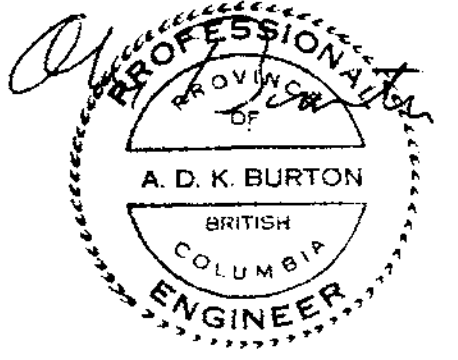
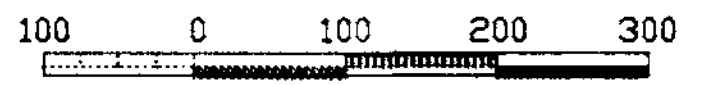
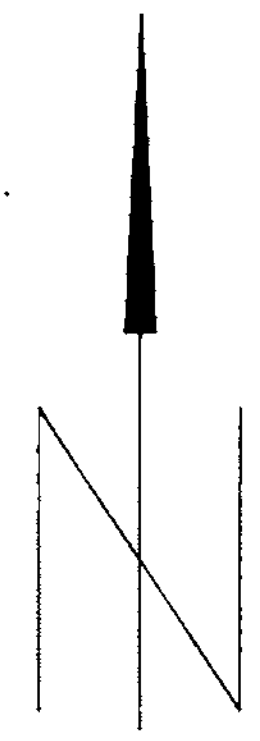
PLANNED BY:

DATE: MARCH 1988

PROJECT NO.:

BASE MAG VALUE: 56500 GAMMAS  
CENTROID INTERVAL: 200 GAMMAS



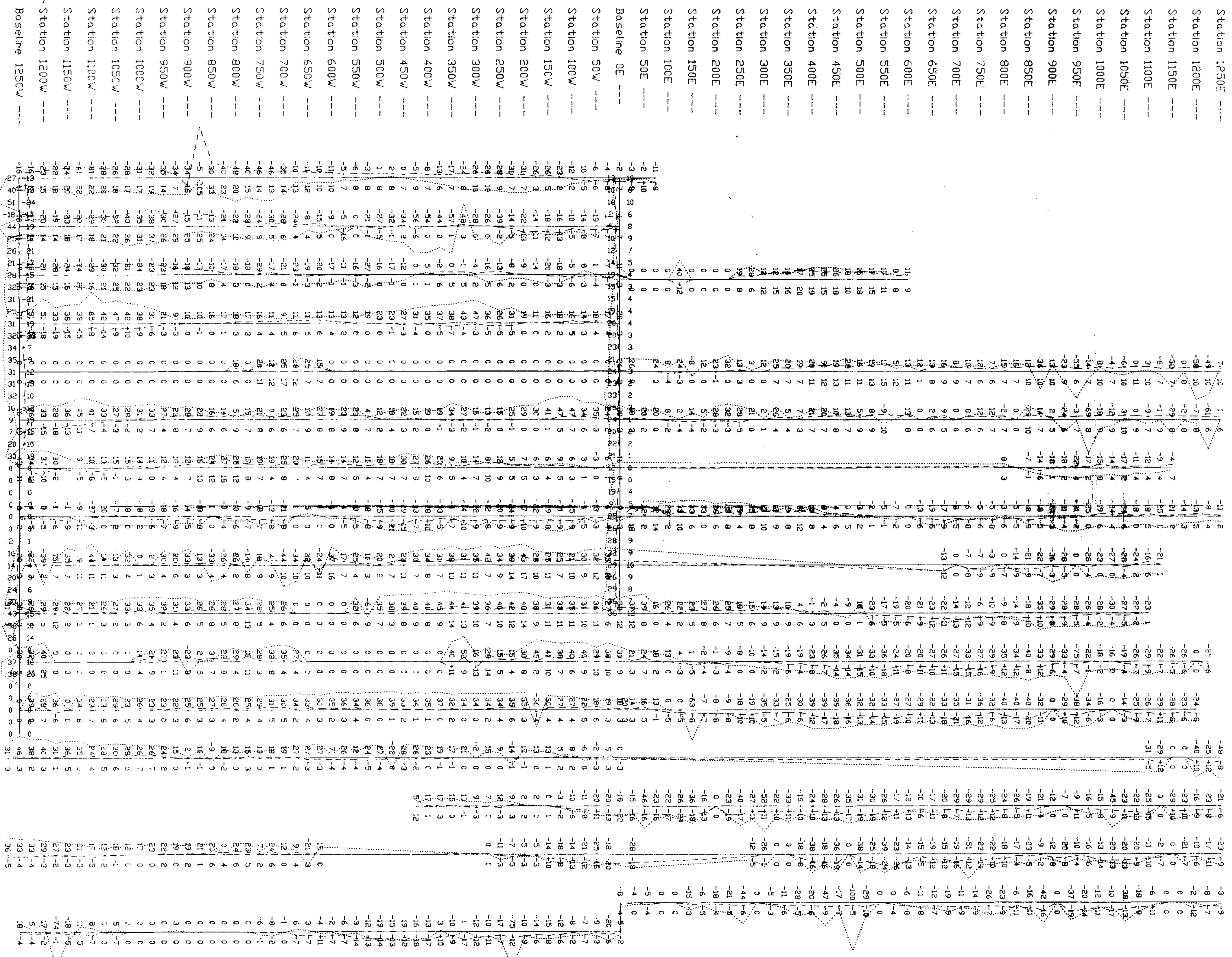


GEOLOGICAL BRANCH ASSESSMENT REPORT

17,718

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (HAWAII) UNFILTERED INPHASE AND QUADRATURE	
ROSS-A-10 B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY: RPM.	FIGURE NO.

- Line 08
- Line 100S
- Line 200S
- Line 300S
- Line 400S
- Line 500S
- Line 600S
- Line 700S
- Line 800S
- Line 900S
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- Line 1100S
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- Line 1300S
- Line 1400S

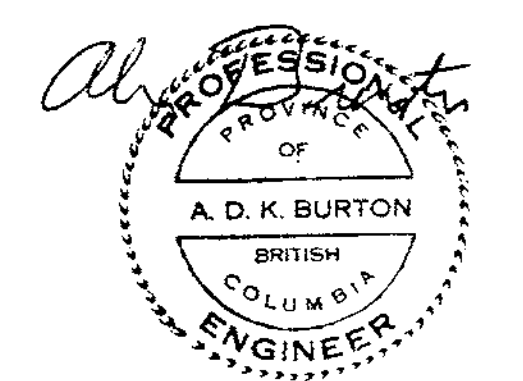
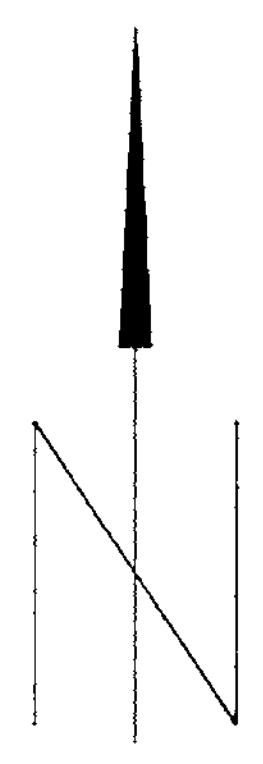


LEGEND

INPHASE: DOTTED PROFILE AND NUMBER ABOVE OR TO LEFT OF LINE  
 QUADRATURE: DASHED PROFILE AND NUMBER BELOW OR TO RIGHT OF LINE

PROFILE AMPLITUDE  
 FOR BOTH INPHASE AND QUADRATURE  
 PERCENT  
 +40 ---  
 -40 ---



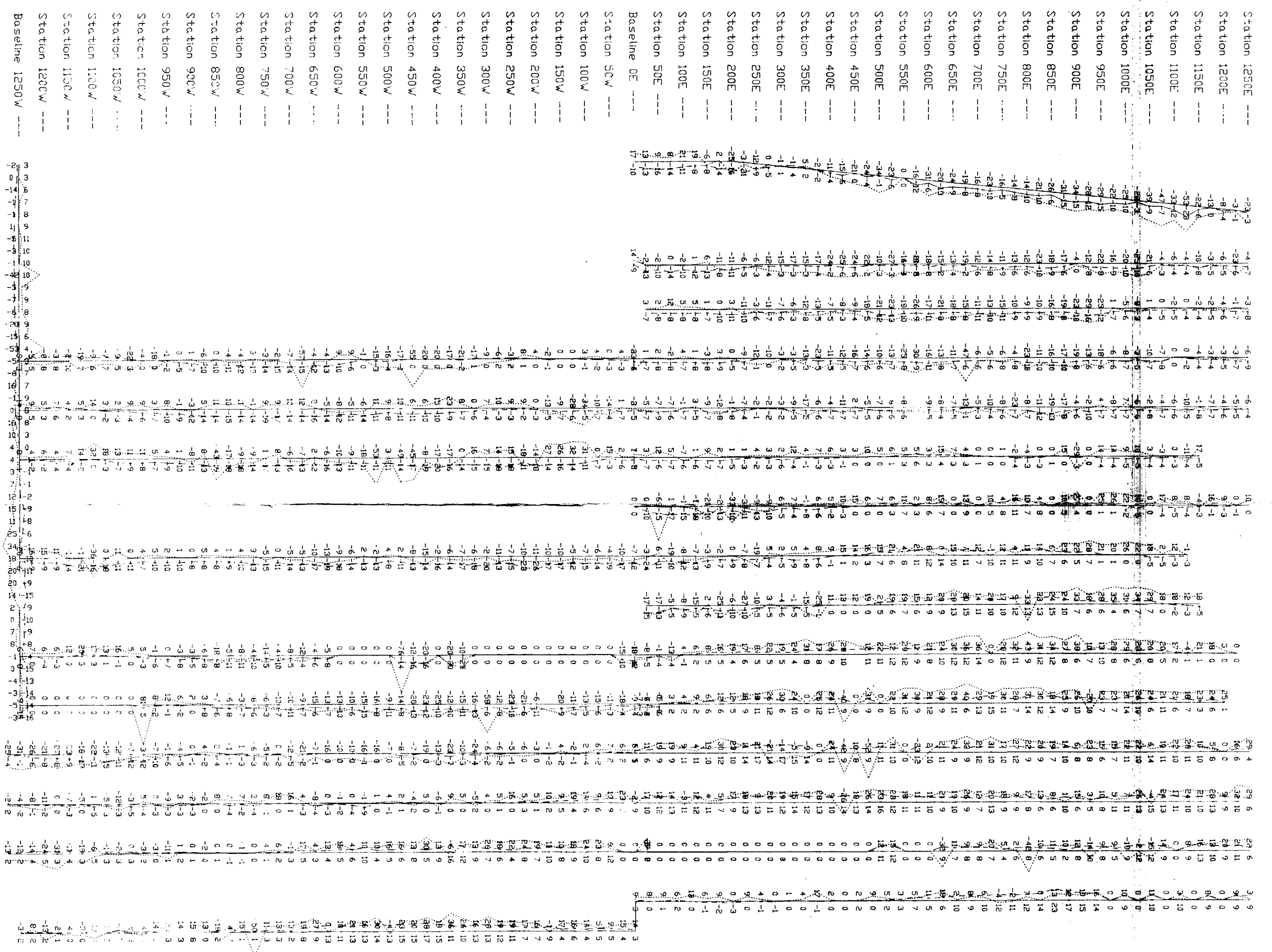


GEOLOGICAL BRANCH ASSESSMENT REPORT

17,718

FIRST MANHATTEN RESOURCES CORP. ROSA VERMONT CLAIM GROUP	
PLIBITED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (ANNAPOLIS) UNFILTERED INPHASE AND QUADRATURE	
ROSSLAND B.C.	
N.T.S. 8B F/4	DATE: MARCH 1988
PLOTTED BY: RPM	FIGURE NO.

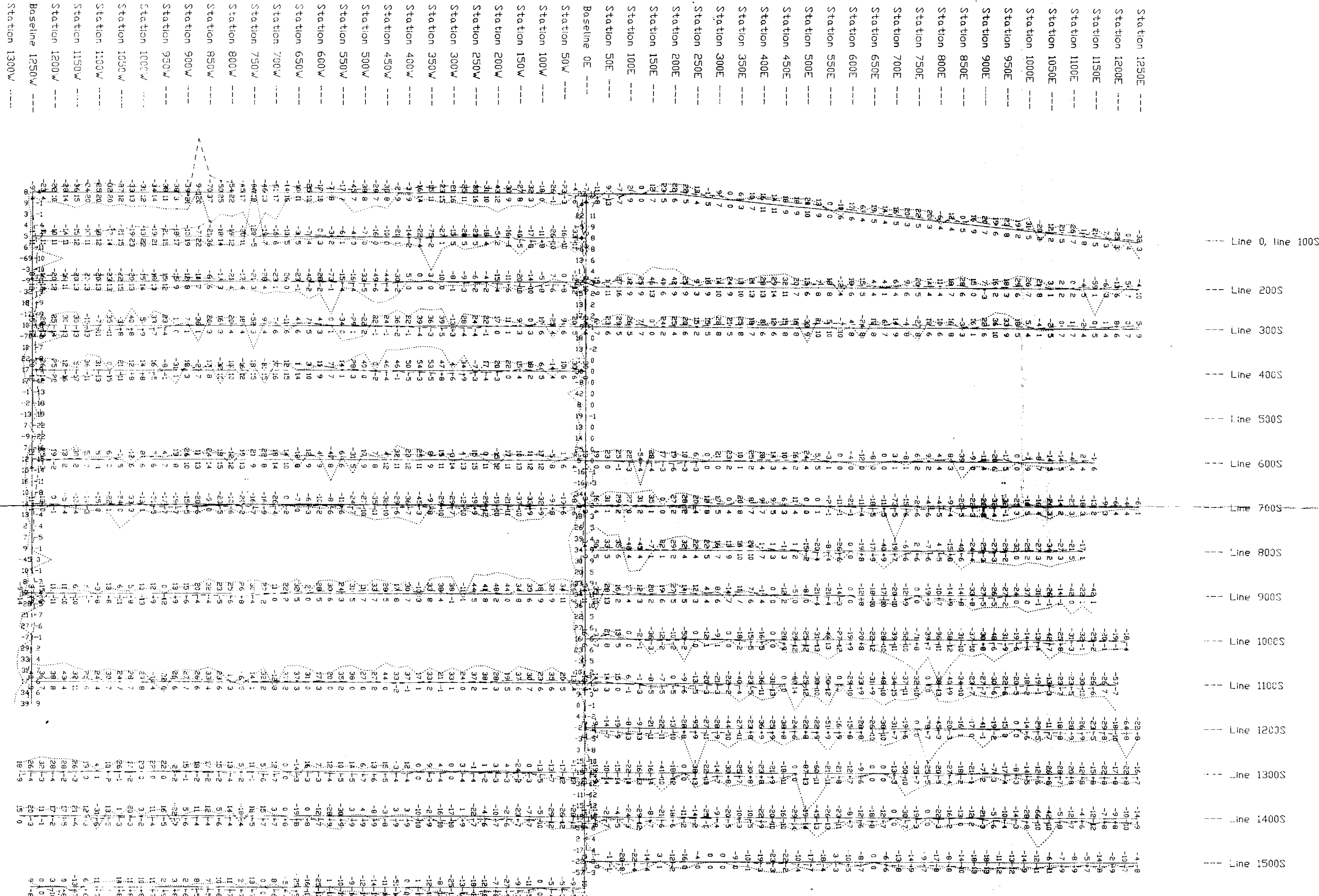
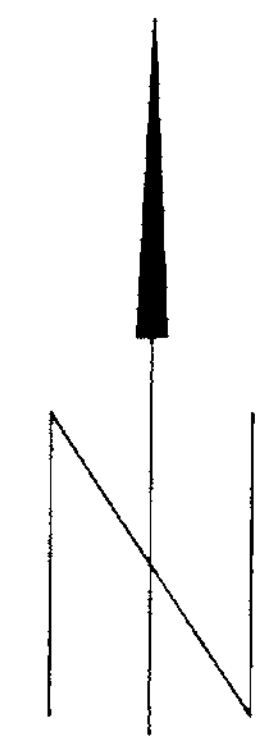
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- Line 1200S
- Line 1300S
- Line 1400S
- Line 1500S



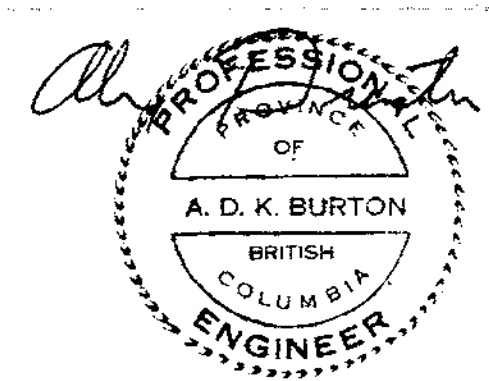
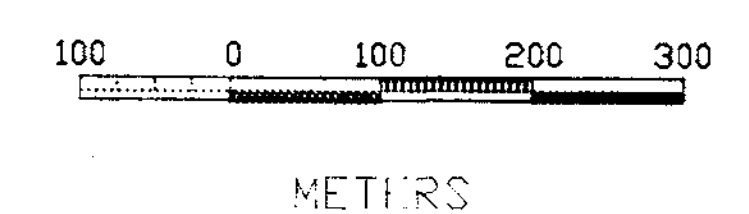
LEGEND

INPHASE: DOTTED LINE AND NUMBER ABOVE OR TO LEFT OF LINE  
 QUADRATURE: DASHED LINE AND NUMBER BELOW OR TO RIGHT OF LINE

PROFILE AMPLITUDE  
FOR BOTH INPHASE AND QUADRATURE  
PERCENT  
+40 ---  
-40 ---



--- Line 0, line 100S  
 --- Line 200S  
 --- Line 300S  
 --- Line 400S  
 --- Line 500S  
 --- Line 600S  
 --- Line 700S  
 --- Line 800S  
 --- Line 900S  
 --- Line 1000S  
 --- Line 1100S  
 --- Line 1200S  
 --- Line 1300S  
 --- Line 1400S  
 --- Line 1500S



**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**17,718**

PROFILE AMPLITUDE  
 FOR BOTH INPHASE AND QUADRATURE

+40  
 ---  
 -40

PERCENT

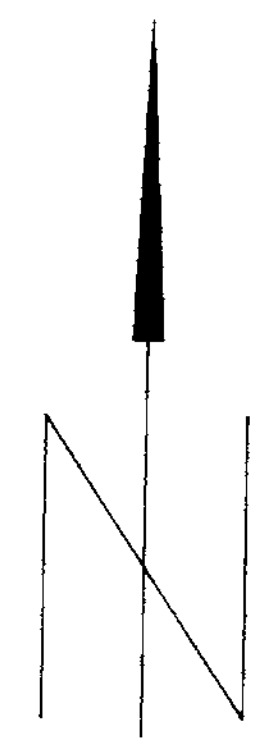
LEGEND

INPHASE: DOTTED LINE AND NUMBER ABOVE OR TO LEFT OF LINE

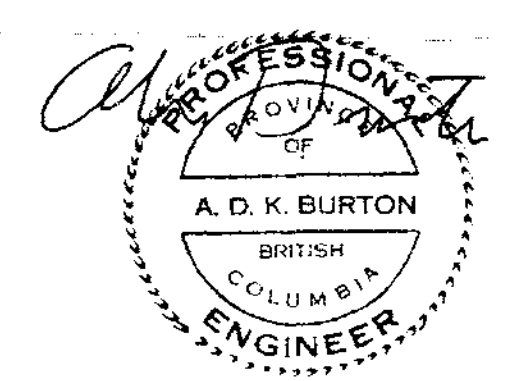
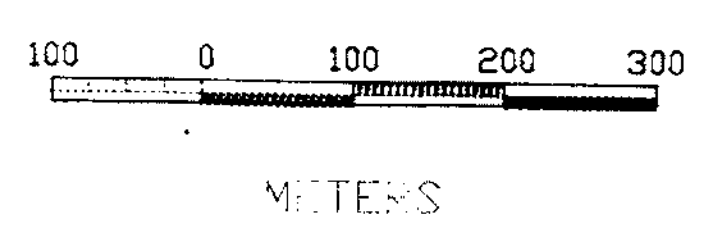
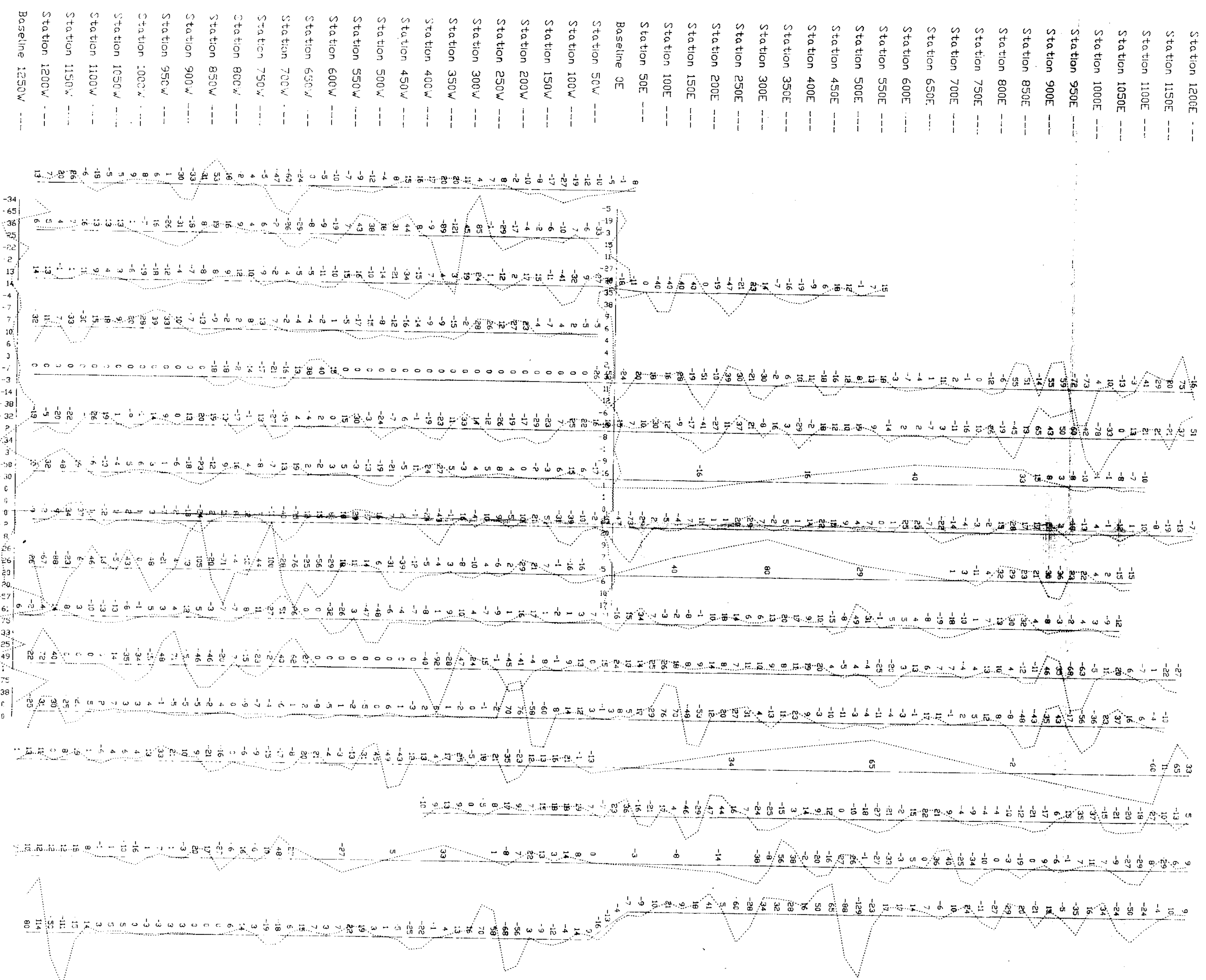
QUADRATURE: DOTTED LINE AND NUMBER BELOW OR TO RIGHT OF LINE

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPK MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (SEATTLE) UNFILTERED INPHASE AND QUADRATURE	
ROSSLAND, B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY: RPK	FIGURE NO.





--- Line 00  
 --- Line 100S  
 --- Line 200S  
 --- Line 300S  
 --- Line 400S  
 --- Line 500S  
 --- Line 600S  
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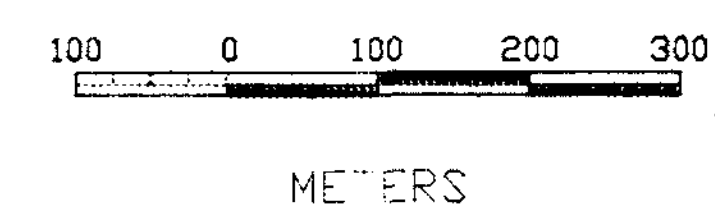
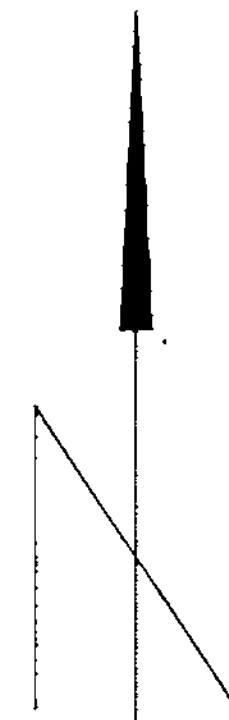


**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**17,718**

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (HAWAII)	
FRASER FILTERED INPHASE	
ROSSLAND B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLotted BY: R.P.M.	FIGURE NO.

PROFILE AMPITUDE  
 FOR FRASER FILTERED INPHASE  
 PERCENT

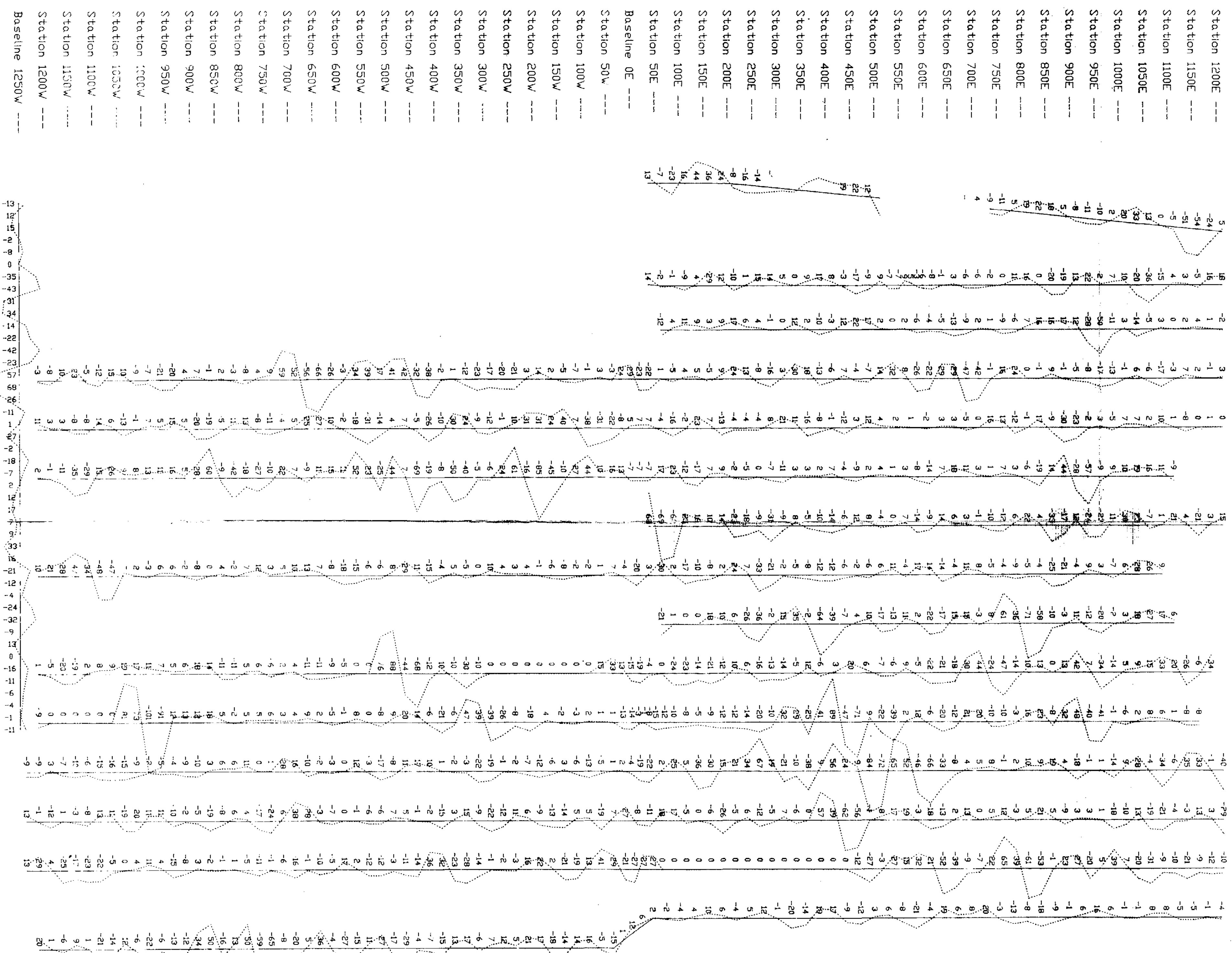


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,718

FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (ANNAPOLIS)	
FRASER FILTERED INPHASE	
ROSSLAND B.C.	
N.T.S. 62 F/4	DATE: MARCH 1988
PLOTTED BY: R.P.M.	FIGURE NO.

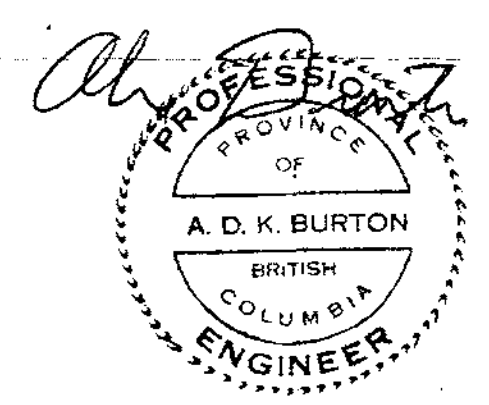
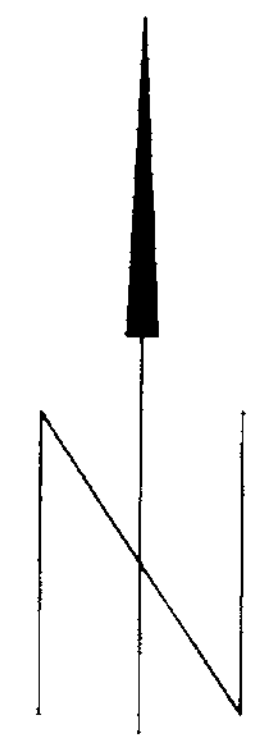
- Line 0S
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- Line 600S
- Line 700S
- Line 800S
- Line 900S
- Line 1000S
- Line 1100S
- Line 1200S
- Line 1300S
- Line 1400S
- Line 1500S



PROFILE AMPLITUDE  
FOR FRASER FILTERED INPHASE

+40 —  
-40 —

PERCENT



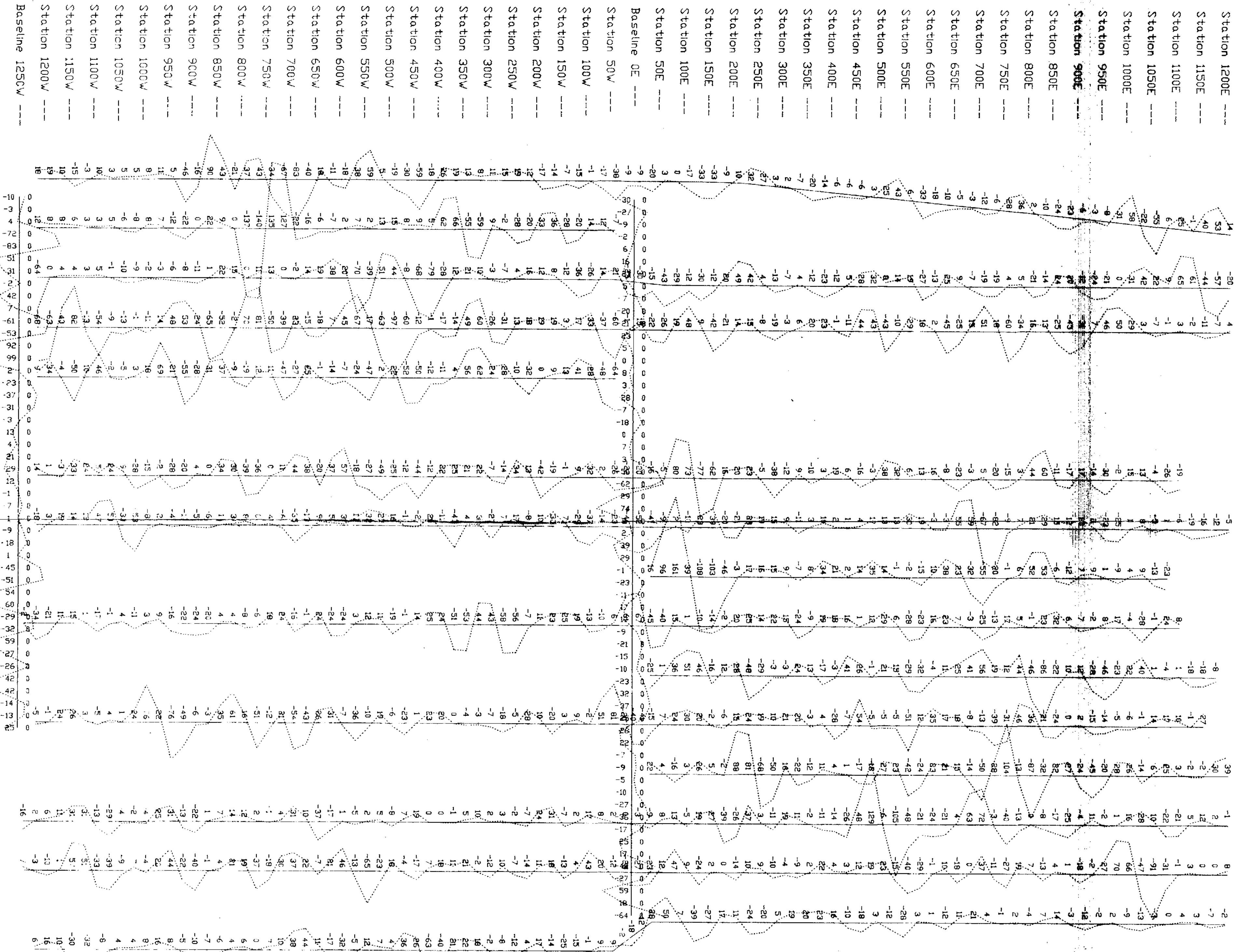
METERS

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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FIRST MANHATTEN RESOURCES CORP.	
ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RFM MAPPING AND COMPUTER SERVICES LTD.	
VLF - EM (SEATTLE)	
FRASER FILTERED INPHASE	
ROSSLANI B.C.	
N.T.S. 82 F/4	DATE: MARCH 1988
PLOTTED BY: R.P.K.	FIGURE NO.

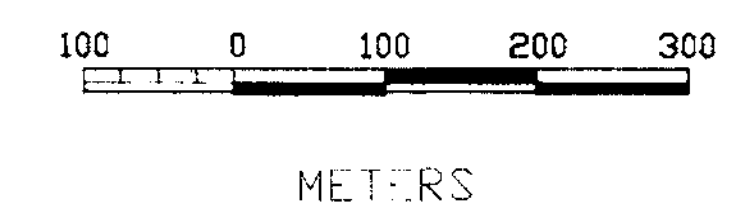
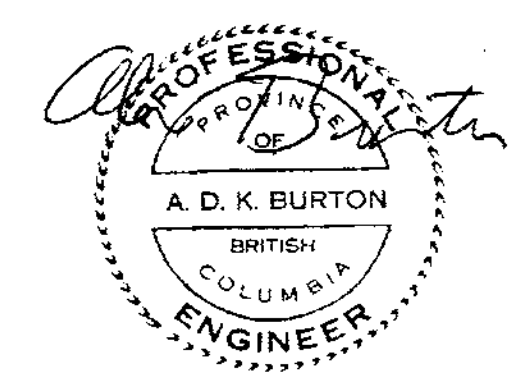
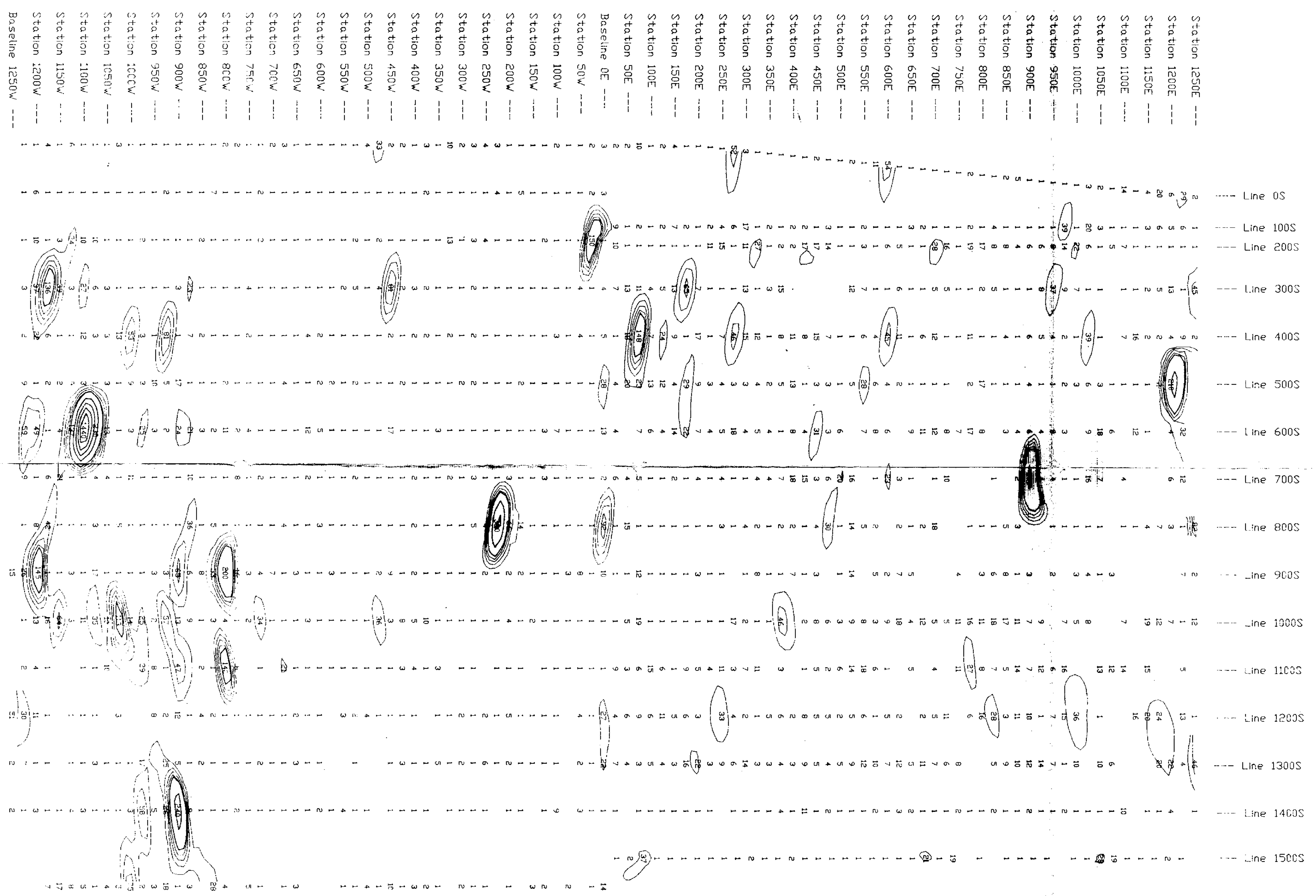
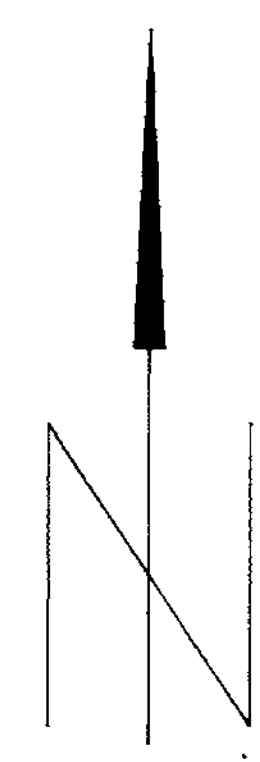
- Lines 100S, OS
- Line 200S
- Line 300S
- Line 400S
- Line 600S
- Line 700S
- Line 800S
- Line 900S
- Line 1000S
- Line 1100S
- Line 1200S
- Line 1300S
- Line 1400S
- Line 1500S



PROFILE AMPLITUDE  
FRASER FILTERED INPHASE

PERCENT  
+40  
-40





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**17,718**

CONTOUR INTERVAL  
20 PPB (BELOW 100 PPB)  
100 PPB (ABOVE 100 PPB)

FIRST MANHATTEN RESOURCES CORP. ROSA VERMONT CLAIM GROUP	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY GOLD ROSSLAND B.C.	
N.T.S. 88 F/4 PLOTTED BY: RPM	DATE: MARCH 1988 FIGURE NO.