

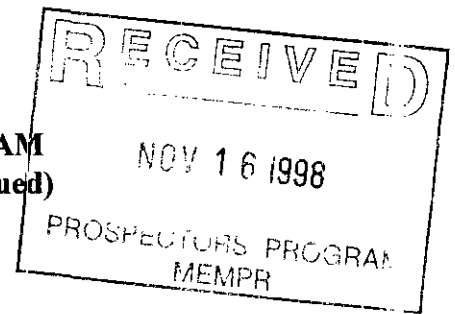
BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
MINISTRY OF ENERGY AND MINES
GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR: 1998/99

REPORT #: PAP 98-9

NAME: ARND BURGERT

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)



B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- Refer to Program Requirements/Regulations 15 to 17, page 6.
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name Arnd Burgert Reference Number 97/98 P12

LOCATION/COMMODITIES

Project Area (as listed in Part A) Sunshine Coast MINFILE No. if applicable —
Location of Project Area NTS 92K/1 417000E 5563000N Lat 50° 12' N Long 124° 09' W
Description of Location and Access From Powell River, BC, take Hwy. 101 south for 13 km. Turn east onto Goat Lake Mainline. Follow to km. 63. Three target pendants are accessible by ground from here.
Main Commodities Searched For Cu, Zn, Pb, Ag in VMS mineralization
Known Mineral Occurrences in Project Area Mt. Diadem (Minfile No. 092K 084); Hummingbird (Minfile No. 092K 047).

WORK PERFORMED

1. Conventional Prospecting (area) 1400 ha
2. Geological Mapping (hectares/scale) 800 ha, 1:25000
3. Geochemical (type and no. of samples) 195 soil samples; 29 rock samples
4. Geophysical (type and line km) —
5. Physical Work (type and amount) —
6. Drilling (no. holes, size, depth in m, total m) —
7. Other (specify) —

SIGNIFICANT RESULTS

Commodities Zn, Cu, Ag Claim Name Lorax 1-11
Location (show on map) Lat 50° 10.9' N Long 124° 18.0' W Elevation 5250'
Best assay/sample type 1.43% Zn, 0.45% Cu, 19 9/16 Ag, 0.01% Co, 0.01% Cd in sulphide specimen
Description of mineralization, host rocks, anomalies A 20cm thick bed of fine to medium grained massive pyrite with sphalerite and chalcopyrite occurs in medium grained felsic volcanics in a metamorphic roof pendant of Gambier group rocks. Report and Supporting documents attached.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

FINAL REPORT ON

SUNSHINE COAST PROJECT
PROSPECTOR'S ASSISTANCE PROGRAM
GRANT NO. 97/98-P12

ARND BURGERT
NOVEMBER 9, 1998

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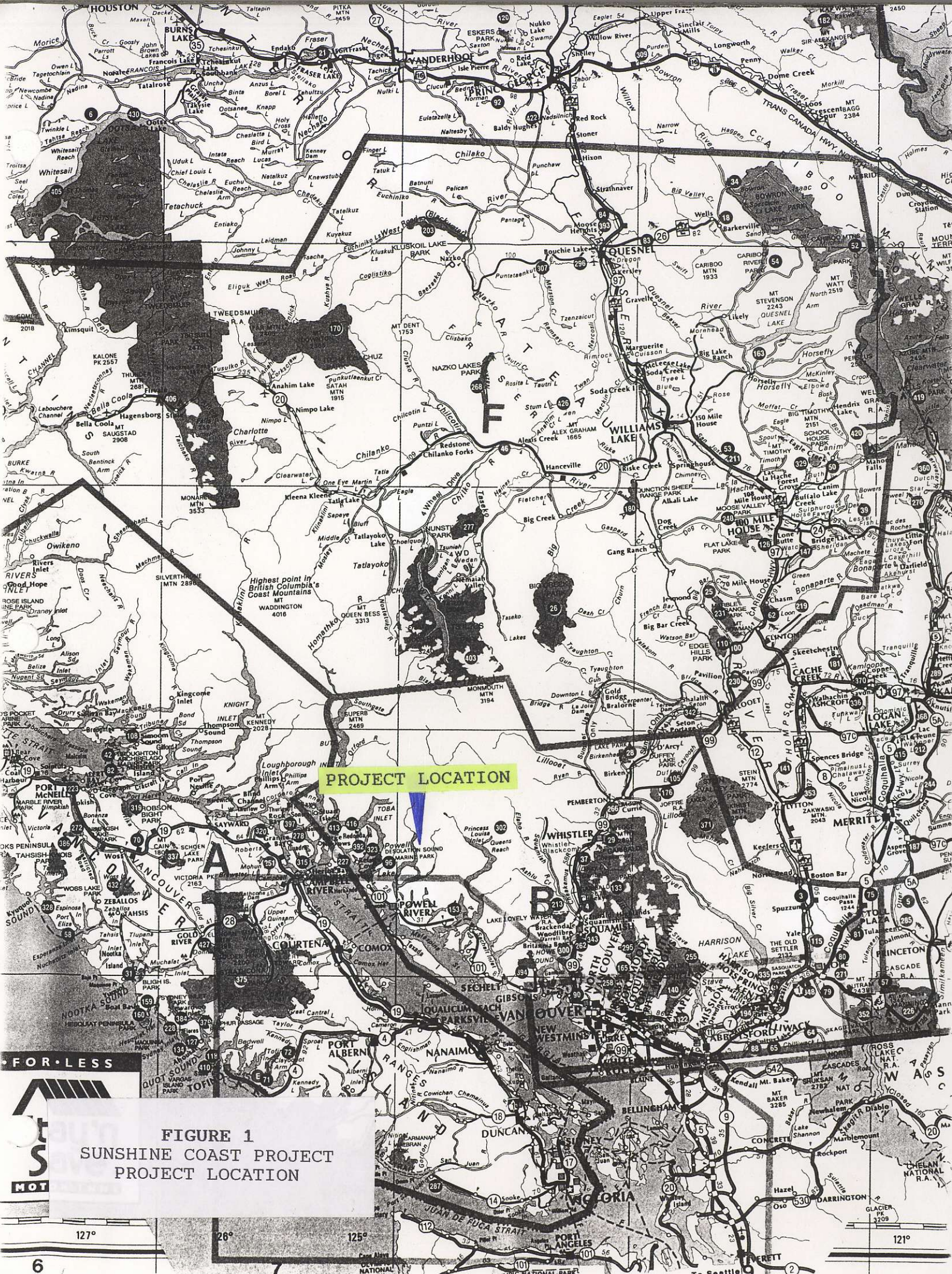
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INTRODUCTION

Prospector's Assistance Grant No. 97/98-12 was issued in June, 1998 to fund a program of reconnaissance exploration north of Powell River, BC (Figure 1). The target was volcanogenic massive sulphide (VMS) base metals mineralization in roof pendants of the lower Cretaceous Gambier group.

Gambier group rocks host the Britannia deposit on Howe Sound as well as the Northair deposit near Squamish. In the Powell River region, uneconomic base metals occurrences lying within the Gambier group include the Mt. Diadem workings overlooking Jervis Inlet and the Hummingbird past producer on Goat Island in Powell Lake. However, in those pendants examined this summer, no previous work was recorded and no evidence of previous prospecting was observed in the field.

Field exploration was conducted from April to October, 1998, from a base camp at mile 35 (km 56) of the Goat Lake Mainline. From there, tent camps were mobilized by foot to several more remote locations. The work consisted of prospecting, reconnaissance soil sampling and large-scale geological mapping. All work was conducted personally by the author, whose Statement of Qualifications appears in Appendix I.



PROJECT LOCATION

FIGURE 1
SUNSHINE COAST PROJECT
PROJECT LOCATION



CLAIMS, LOCATION AND ACCESS

The four targets examined are referred to as Targets A, B, C, and D and they are shown on the index map (Figure 2). In 1998, all targets were accessed on foot via the Goat Lake Mainline.

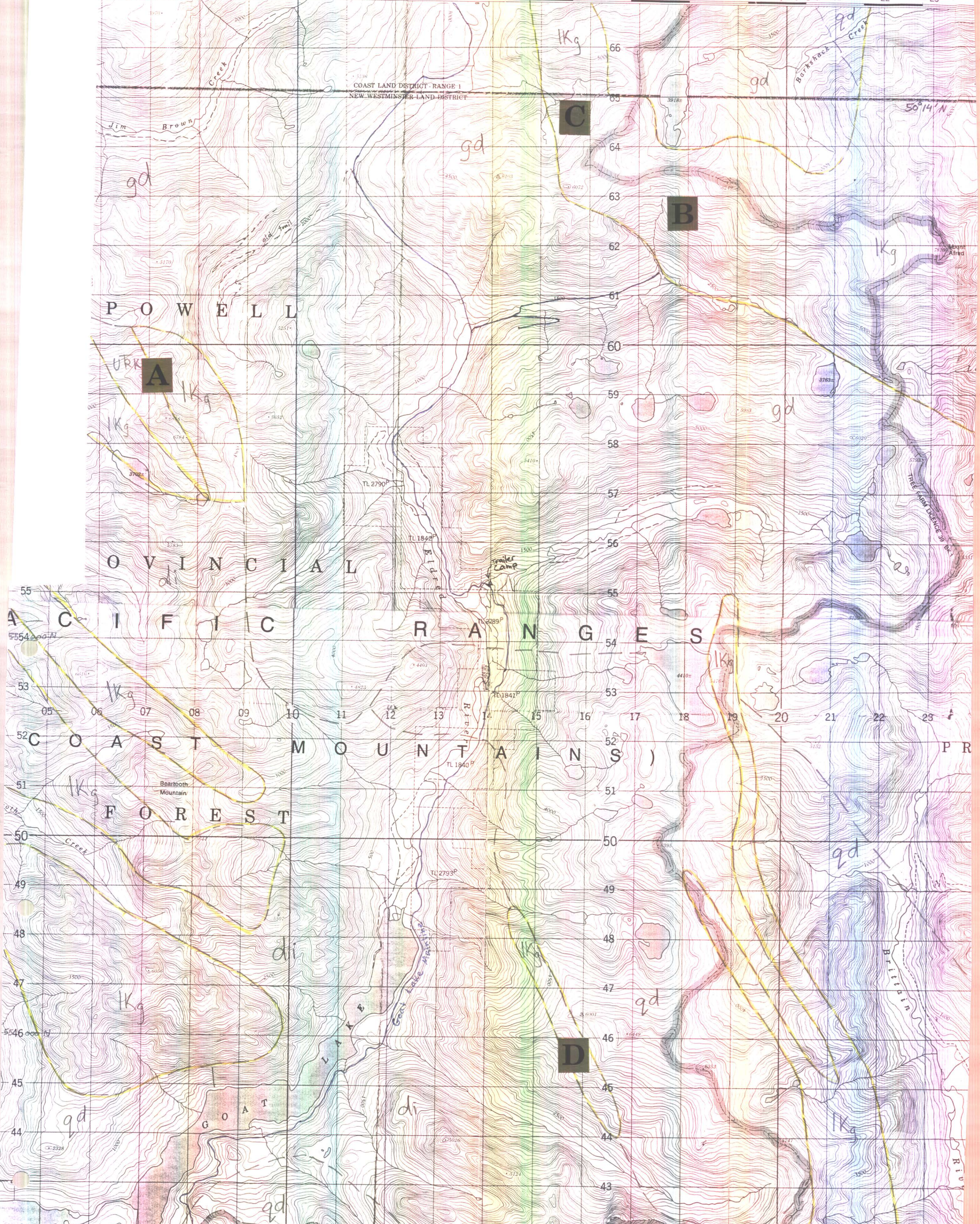
A twenty unit, four-post mineral claim and ten adjacent two-post claims (total 30 units) were staked over Target A on October 20 and 21 (Figure 3). They were named Lorax 1 through Lorax 11. Prospecting of this ground was carried out on foot via Goat Lake Mainline and "G"-branch road, and staking was done by helicopter.

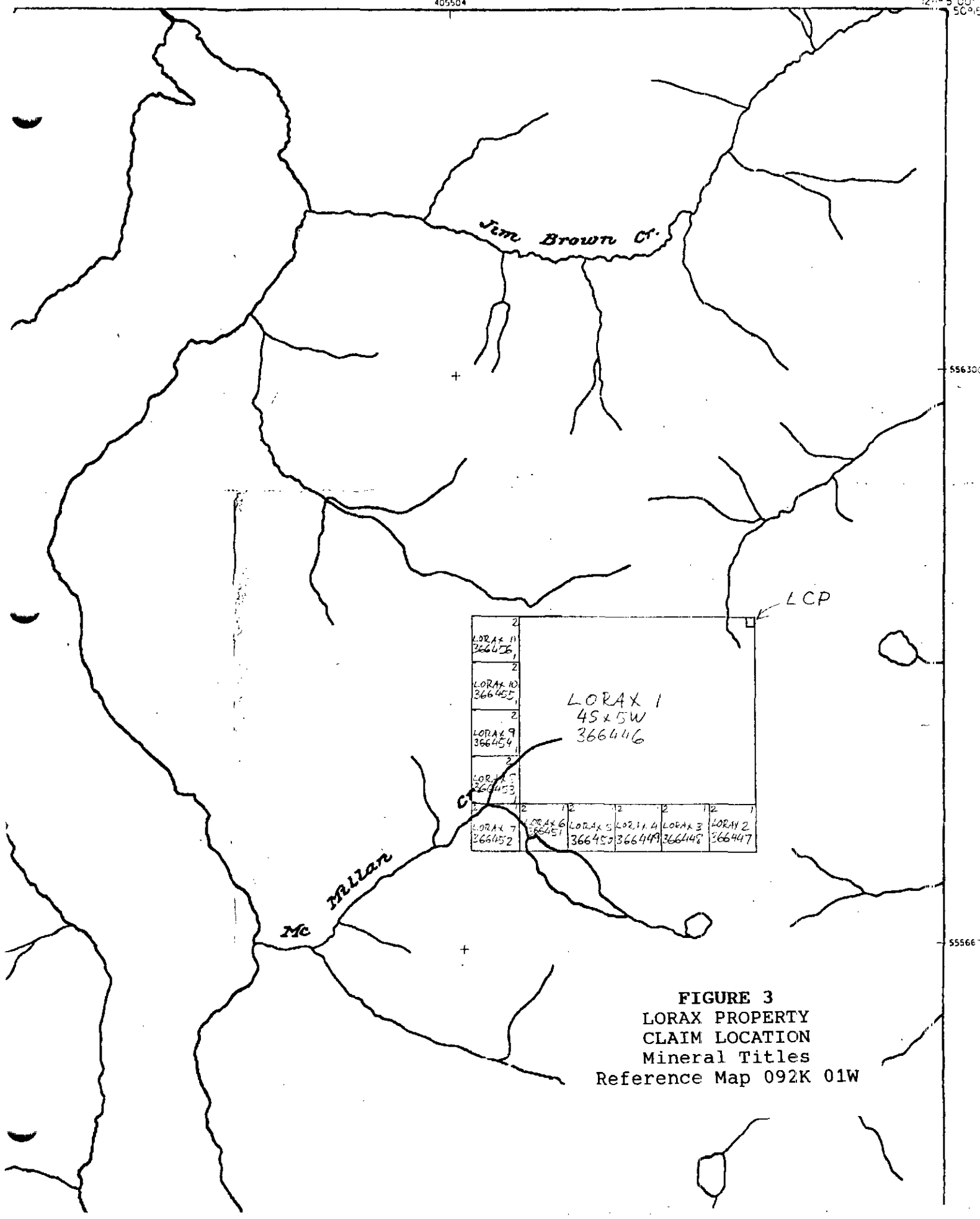
A sixteen unit four-post mineral claim was staked over Target B on June 17 and 18 (Figure 4). The claim is named Old Ironsides, after the local name of the mountain on which it is located. Access to the property was on foot via Goat Lake Mainline and "D"-branch road.

Access to Target C was on foot via Goat Lake Mainline.

Access to Target D was on foot via Goat Lake Mainline and Goat II road.

36 07 08 409000E 10 124° 15' W 12 13 14 15 16 124° 10' 17 18 19 420000E 21 22 05' 23





2					
LORAX 11 366456					
2					
LORAX 10 366455					
2					
LORAX 9 366454					
2					
LORAX 8 366453					
2					
LORAX 7 366452	LORAX 6 366451	LORAX 5 366450	LORAX 4 366449	LORAX 3 366448	LORAX 2 366447

LORAX 1
45x5W
366446

FIGURE 3
LORAX PROPERTY
CLAIM LOCATION
Mineral Titles
 Reference Map 092K 01W

092K01E
15000

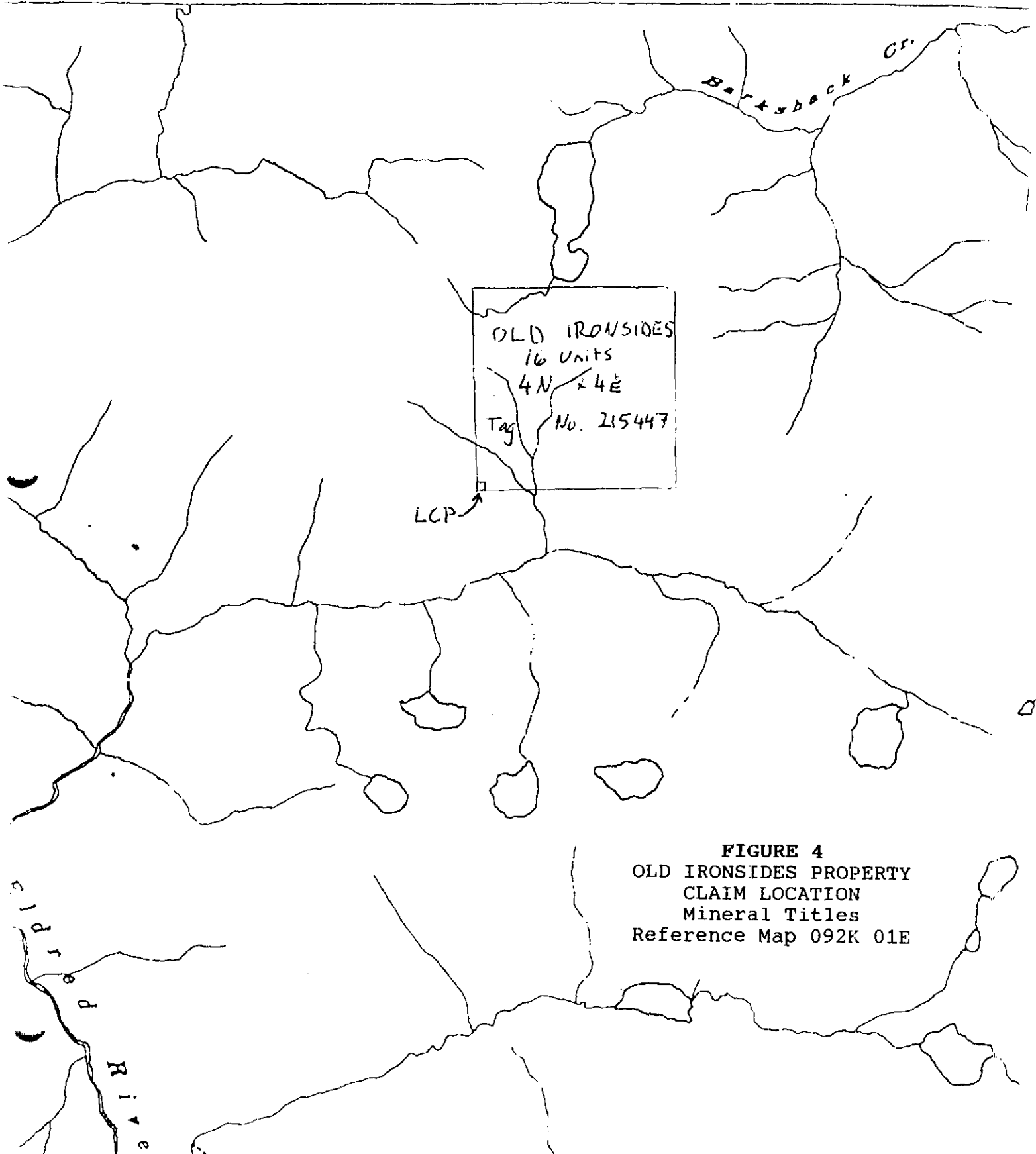


FIGURE 4
OLD IRONSIDES PROPERTY
CLAIM LOCATION
Mineral Titles
Reference Map 092K 01E

GEOMORPHOLOGY

All targets are situated in mountainous terrain of the Coast Ranges. Topography is steep, typically 20 to 40°, with elevations ranging from 2500 feet (760 m) to 6800 feet (2070 m). Impassable cliffs are common in the higher areas.

Vegetation consists of dense stands of second growth fir, douglas fir, hemlock, western red cedar and sitka spruce in the valleys and on the lower slopes giving way to old growth yellow cedar scrub above 3500 feet (1070 m). Density of underbrush varies greatly. Above 4500 feet (1370 m), scattered buckbrush, dwarf balsam and moss dominate, while steep talus slopes and cliffs are vegetated only by lichen.

REGIONAL GEOLOGY

The area of interest lies within the Coast Plutonic Complex of the Coast Mountains. It is underlain mostly by plutonic rocks, predominantly granodiorite and quartz diorite (Roddick, 1976). Figure 5 shows regional geology.

Steeply dipping blocks or pendants of metasedimentary and metavolcanic rocks lie engulfed in the main mass of the Coast Plutonic Complex. Pendants of Gambier Group, named for their type locality on Gambier Island in Howe Sound, were the focus of this project's exploration. They extend discontinuously from North Vancouver in the southeast to north of Loughborough Inlet in the northwest.

These pendants are thought to represent fault slices along which plutonic rock was thrust upwards. The bounding shear zones in places still exist, and in many places are flanked by diorite. The dioritic rocks may represent remnants of a primitive granitoid basement upon which sedimentary and volcanic rocks were deposited.

Deep burial and subsequent deformation followed, probably in response to compressive forces transmitted through the North America Plate against oceanic crust. With the eventual onset of subduction, plutonic masses, formed during the compressive stage, began their movement upwards bounded by synplutonic faults.



98-09 P. 20
FIGURE 5
REGIONAL GEOLOGY

REGIONAL MINERALIZATION

The most significant mineral deposit known within Gambier group rocks, and this project's type deposit, is the Britannia Deposit near Britannia beach on Howe Sound. Though once the subject of debate, it is now generally concluded that the deposit is volcanogenic in origin, classified as a Kuroko type VMS deposit. It was deformed during later shearing and faulting (Payne et al, 1980), resulting in complex stratigraphy and structure that have made interpretations difficult (Brown, 1974).

During nearly 70 years of production, 52,783,964 tons of ore produced the following metals:

<u>Commodity</u>	<u>Grade (Payne et al, 1980)</u>	<u>Recovery (Brown, 1974)</u>
copper	1.1%	1,139,223,376 pounds
zinc	0.65%	276,220,089 pounds
silver	0.2 oz/ton	
gold	0.02 oz/ton	492,968 oz
cadmium		980,631 pounds

Massive, bedded and "stringer" ores were mined from ten major orebodies.

McColl (1981) divided geology on Britannia Ridge into three packages: the Footwall, Mine and Hangingwall sequences.

The lowest stratigraphic package, the Footwall sequence, comprises seven rock units aggregating a thickness

of 1400 metres which dip 45° and face southwest. The lowest unit mapped is a purple-black argillite which represents quiet submarine deposition prior to extrusion of overlying fine-grained black andesitic-basaltic flows. Creamy feldspar porphyritic rhyolite phases form small domes and plugs that lie in steep contact with white block breccia. Felsic crystal ash tuff is associated with minor interbedded argillite, chert and lapilli tuff while mafic lapilli block tuff is represented by discontinuous pyroclastic lenses. The uppermost unit of the footwall package is massive to pillowed altered basalt. Mafic flows, flow-breccias and agglomerate are gradational to spilitized, pillowed basalt flows. Local rhyolite domes with related auto-breccia, tuff-breccia, and tuff interfinger with the mafic flows at the top of the package.

Disseminated sulphides occur within massive white chert in flow top breccias, fractures, and surrounding pillows at several horizons in the Footwall package. Gossans are common along the margins of the massive rhyolite domes.

The Mine sequence represents a basinal facies, a dome complex and a thick pyroclastic blanket that is host to the Britannia orebodies. Argillite and ash tuff represents a sedimentary basin on the flank of a dacitic complex. The intrusive-extrusive dacite dome complex exhibits massive, brecciated and tuffaceous facies while crystal lithic tuff

is characterized by green chloritic mottles. It is overlain by a thin, discontinuous sedimentary unit of ash tuff, argillite and chert. Host to the Britannia orebodies is quartz-sericite schist, primarily a hydrothermally altered felsic crystal lapilli tuff. Sulphide mineralization consists of pyrite, chalcopyrite, sphalerite, erratic galena, tennantite, tetrahedrite and pyrrhotite. Gold occurs in scattered narrow veins and late high grade quartz veinlets. Non-metallic minerals include muscovite, chlorite, anhydrite and barite.

The Hangingwall sequence is characterized by felsic massive and ash flows overlain by thick sedimentary units and mafic intrusions. Crystal lithic tuff is mottled green and white. Creamy white feldspar porphyritic rhyodacite forms shallow-dipping outcrops while ash tuff and argillite weathers rusty grey. A monotonous sequence of purple-black argillite marks a hiatus in volcanic activity and is overlain by dark green weathering andesite tuff.

REGIONAL GEOCHEMISTRY

A regional stream sediment survey published by the Geological Survey in 1988 indicates geochemical anomalies in streams that drain all targets. The anomalies are summarized in the following table.

Target	stream(s) weakly anomalous for	stream(s) moderately anomalous for
A	As	Cu, Zn, Pb, Ba, Co, Mo
B	Cu, Zn, Pb	Mo
C	Pb, Ba, As, Mo	
D	Cu, Zn, Pb, Co, Mo	

REGIONAL GEOPHYSICS

In 1988, the Geological Survey published an airborne magnetometer survey as a series of 1:250,000 and 1:50,000 scale maps. Only Target A is covered by the survey.

Target A is located in a zone of relatively low magnetic gradient, increasing to the south. The magnetic signature in the area appears to be largely controlled by topography.

TARGET A - GEOLOGY

Target A is a large pendant of Gambier group rocks which dip vertically and strike northwest (Figure 6). Due to poor access, only a brief examination was possible. Rocks observed include fine grained mafic to medium grained felsic volcanic rocks of low metamorphic grade.

TARGET A - MINERALIZATION

A 20 cm thick, 8 m long bed of massive sulphides was discovered on the ridge top. It is composed mostly of pyrite with 3% sphalerite and 1% chalcopyrite. A specimen (M500378) of the sulphides was submitted to Chemex Labs in North Vancouver, BC, where it was crushed and pulverized to 150 mesh, digested in a nitric aqua regia solution and analyzed for 32 elements using an induced coupled plasma (ICP) technique. Certificates of Analysis appear in Appendix II. The rock returned values of 1.43% zinc, 0.45% copper, 19 g/t silver, 0.01% cobalt and 0.01% cadmium. The sulphide bed is fine to medium grained, weathered black and is cut by several small quartz veins. Bedrock immediately above and below the sulphide bed is medium grained felsic volcanic.

TARGET A - GEOCHEMISTRY

16 soil samples were collected along two contour soil lines using elevation as the primary control (Figures 7-13). All soil samples were submitted to Chemex Labs Ltd. in North

O

W

E

granodiorite

SULPHIDE
SHOWING

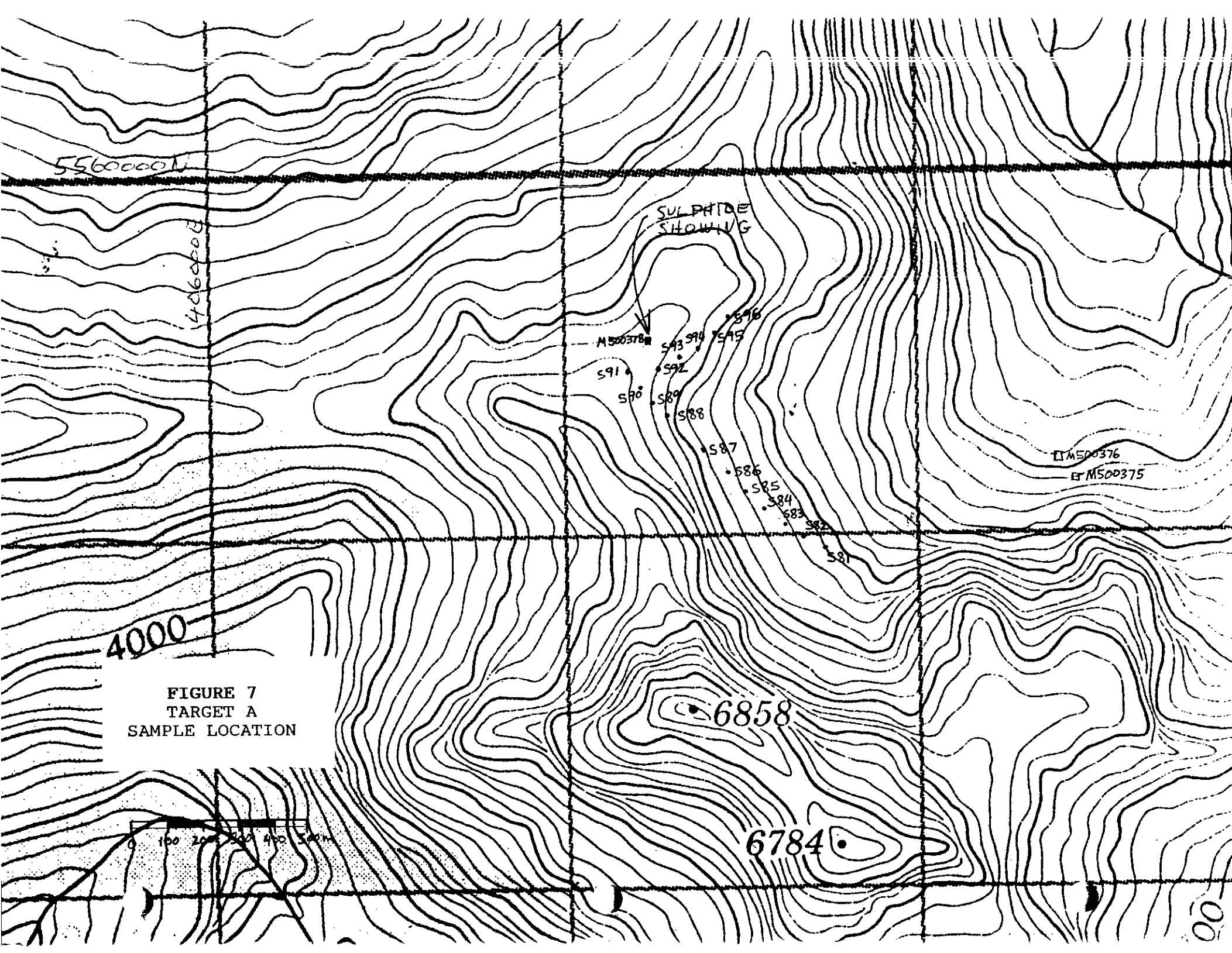
Gambier

6858

6784

FIGURE 6
TARGET A
GEOLOGY

4500



5560000N

4060000E

SULPHIDE
SHOWING

M500378

S93 S94 S95 S96

S91

S92

S90

S89

S88

S87

S86

S85

S84

S83

S82

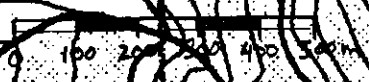
S81

M500376

M500375

4000

FIGURE 7
TARGET A
SAMPLE LOCATION



6858

6784

00

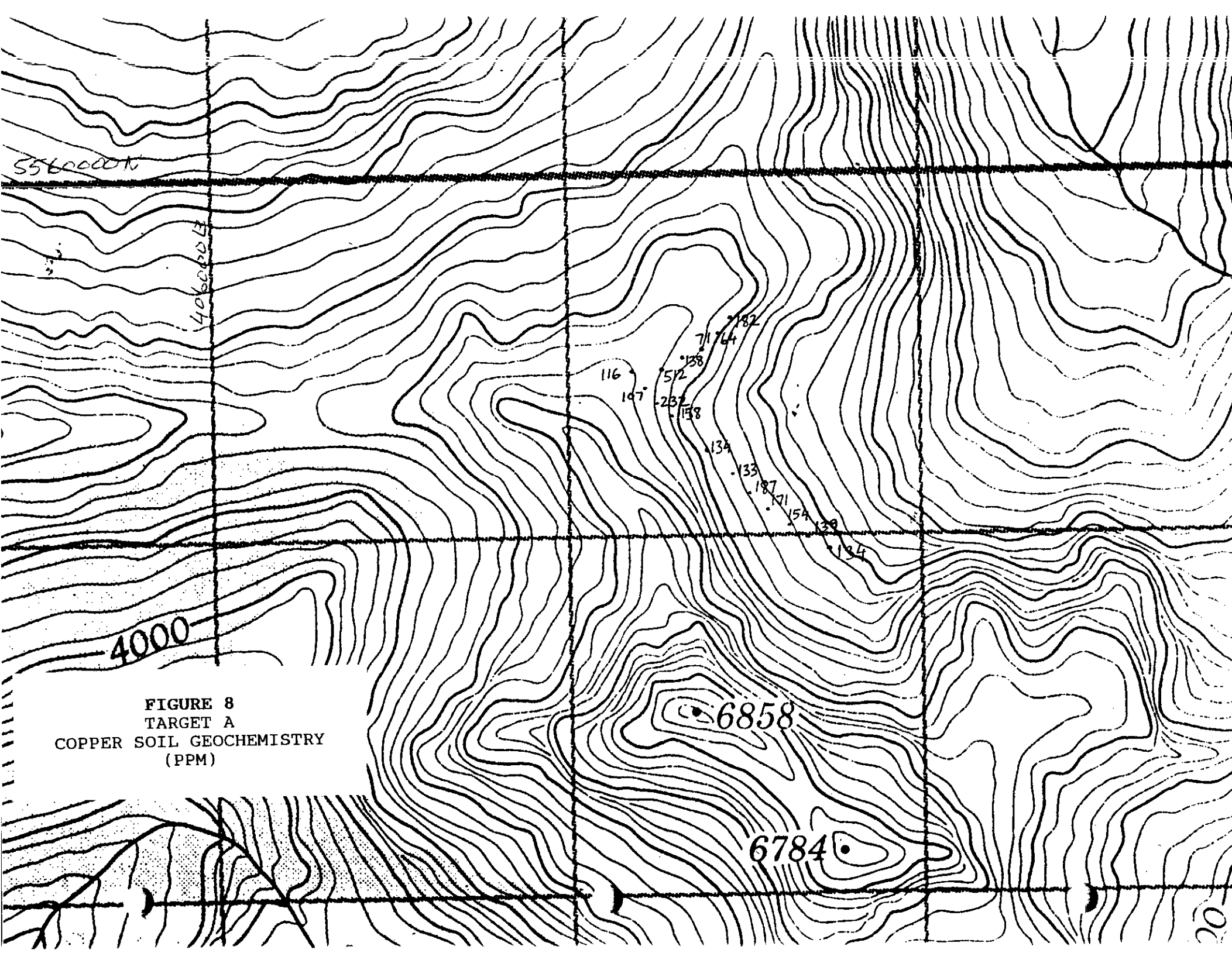
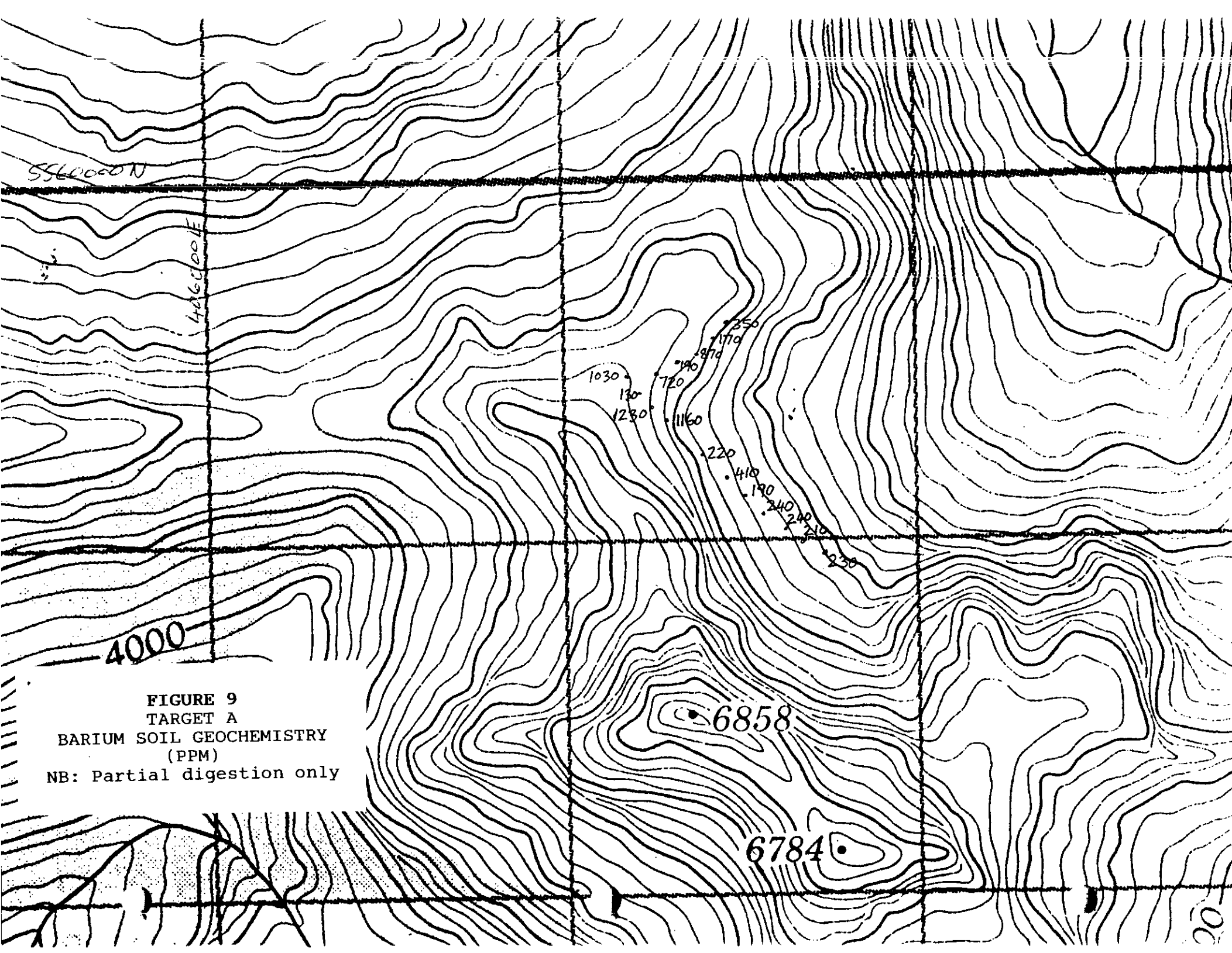


FIGURE 8
TARGET A
COPPER SOIL GEOCHEMISTRY
(PPM)



556000 N

446000 E

4000

FIGURE 9
TARGET A
BARIUM SOIL GEOCHEMISTRY
(PPM)
NB: Partial digestion only

1030
130
1230

250
170
190
870
720
1160
220
410
190
240
240
210
230

6858

6784

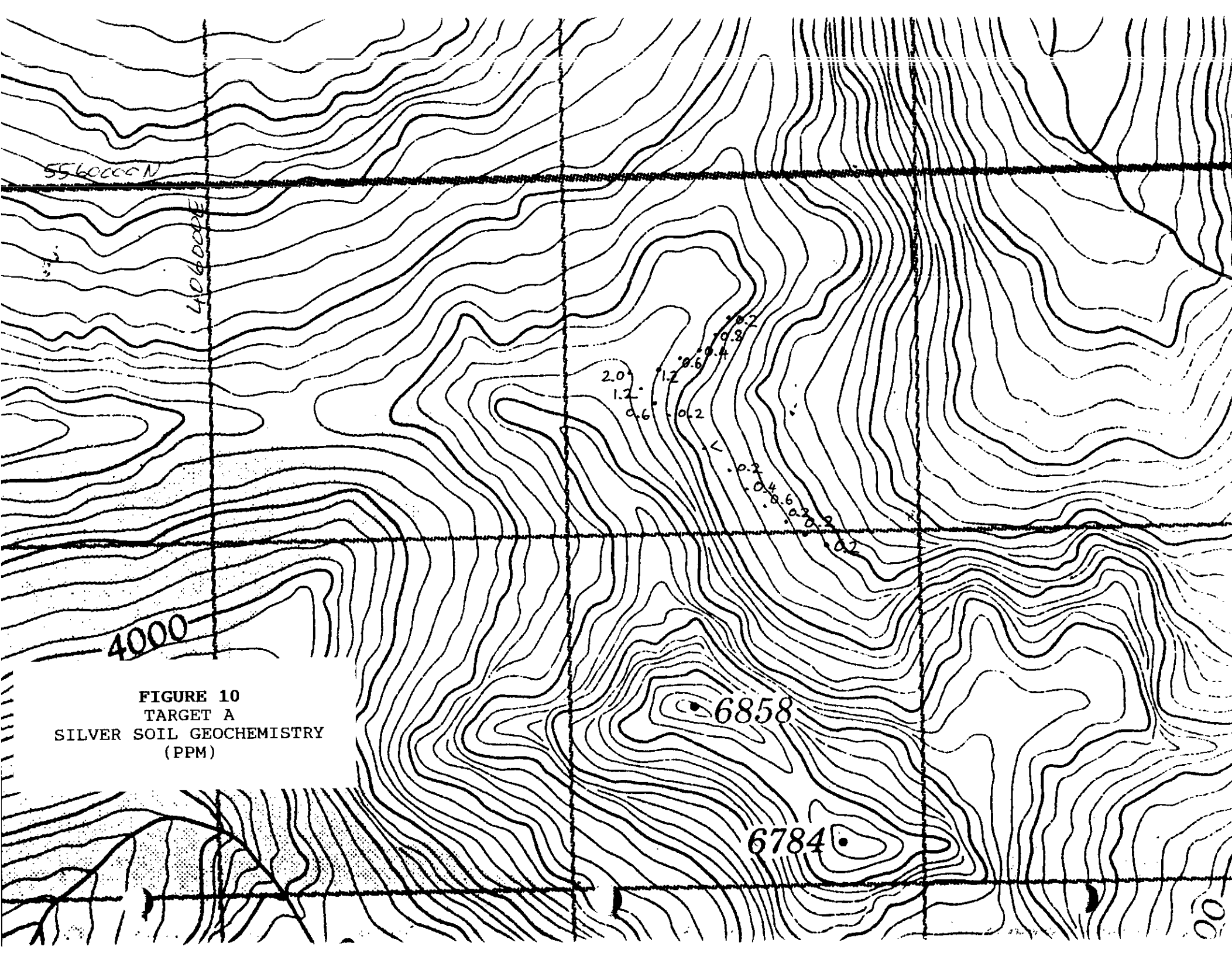
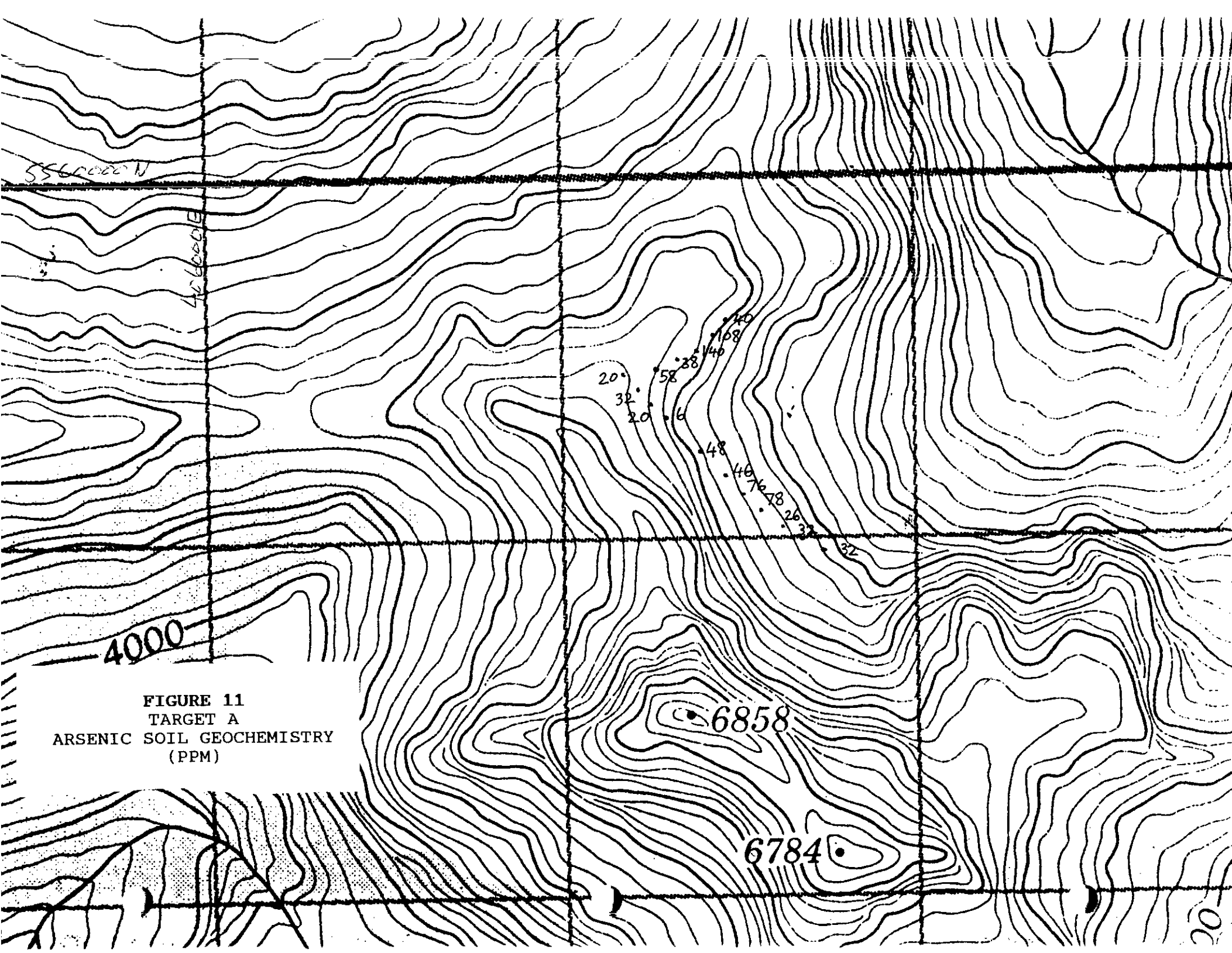


FIGURE 10
TARGET A
SILVER SOIL GEOCHEMISTRY
(PPM)



556000 N

400000

4000

FIGURE 11
TARGET A
ARSENIC SOIL GEOCHEMISTRY
(PPM)

6858

6784

20

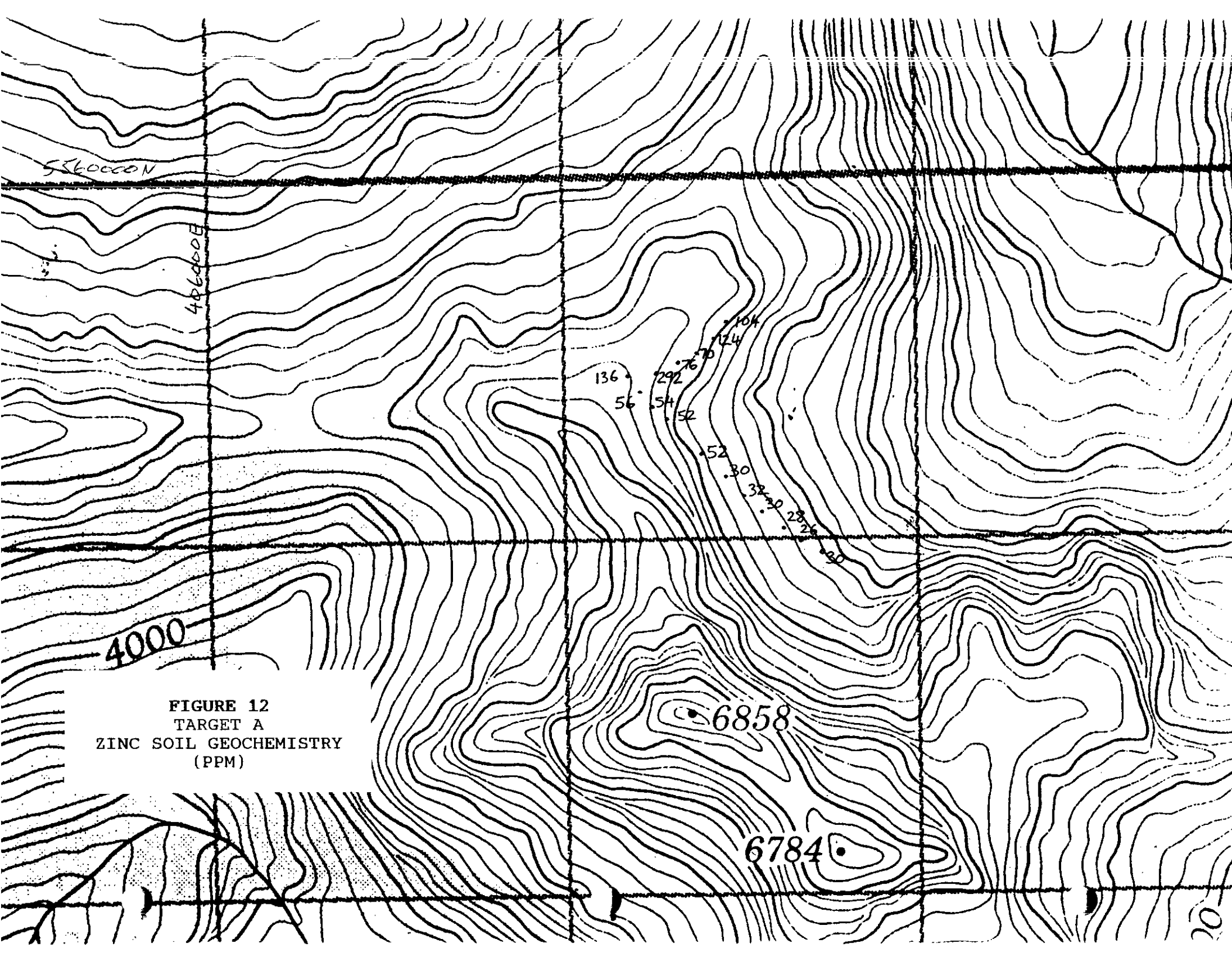
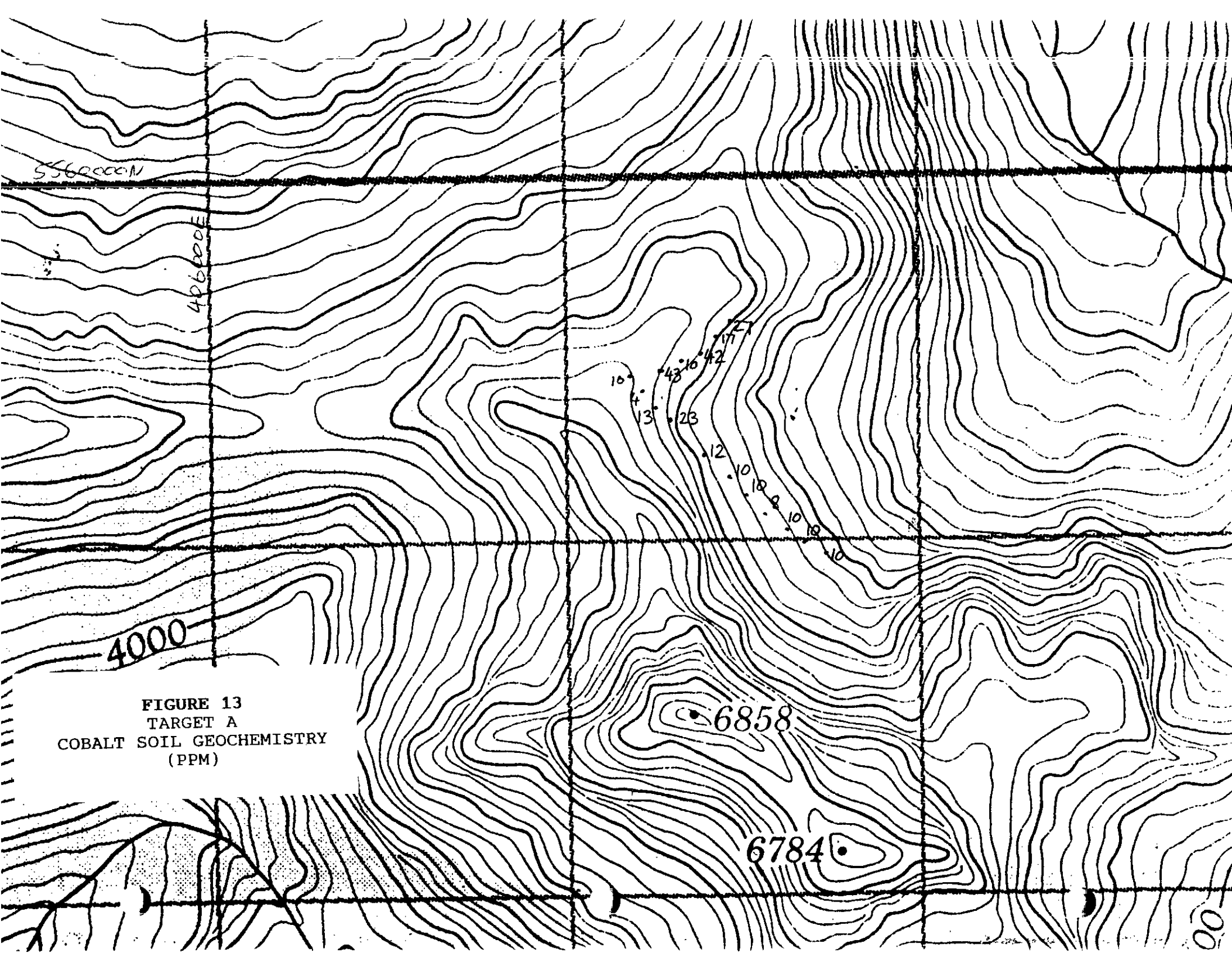


FIGURE 12
TARGET A
ZINC SOIL GEOCHEMISTRY
(PPM)



556000N

406000E

4000

FIGURE 13
TARGET A
COBALT SOIL GEOCHEMISTRY
(PPM)

16
4
13
43
16
42
27
17
23
12
10
18
8
10
18
10

6858

6784

00

Vancouver, BC where they were screened to 150 mesh, digested in a nitric aqua regia solution and analyzed for 32 elements by an induced coupled plasma (ICP) technique. Certificates of Analysis appear in Appendix II. Using regional thresholds, all sixteen samples are anomalous for copper, ranging from weakly to extremely anomalous. The peak copper value is 512 ppm. Most of the samples are also weakly to strongly anomalous for barium, and some are anomalous for silver, arsenic and cobalt. Barite is an accessory mineral at the Britannia Deposit and the Red Dog Deposit in Alaska (Koehler et al, 1991), while cobalt is a commodity at the Fyre Lake and Ice VMS Deposits in southeast Yukon. Arsenic is an indicator in numerous other sulphide deposits.

It is significant to note that the soil lines do not cross topography steeply, indicating that the observed sulphide showing is not the cause of the whole anomalies. The length of the copper anomaly is 1100 m.

TARGET A - RECOMMENDATIONS

The sulphide showing and adjacent soil geochemical anomaly represent a significant VMS target which has been protected by the Lorax 1 through Lorax 11 mineral claims. Due to poor access, it is suggested that a helicopter-supported flycamp be employed for future work.

Geological mapping at a scale no less than 1:10000 is recommended. A suitable basemap will have to be produced or

acquired. Careful prospecting is recommended, in particular in the vicinity of and along strike from the current showing. Hand pitting may be required if mineralized float is encountered. An extensive soil grid is recommended to define the current multielement anomaly.

Pending the outcome of the recommended work, a ground geophysical survey may be warranted by the end of the next field season. Due to the massive nature of the sulphides, they will likely respond to electromagnetic, induced polarization and magnetic field surveys.

TARGET B - GEOLOGY

The target lies within banded low grade metamorphic rocks of Gambier group that dip nearly vertically and strike northwest (Figure 14). A lower mixed package of andesitic volcanics and thinly laminated schist is overlain by predominantly andesitic volcanics with interbeds of felsic volcanics. The proportion of felsics increases to the northeast. High up on the ridge, a mafic agglomerate with a matrix bearing 5% pyrrhotite with minor chalcopyrite crops out.

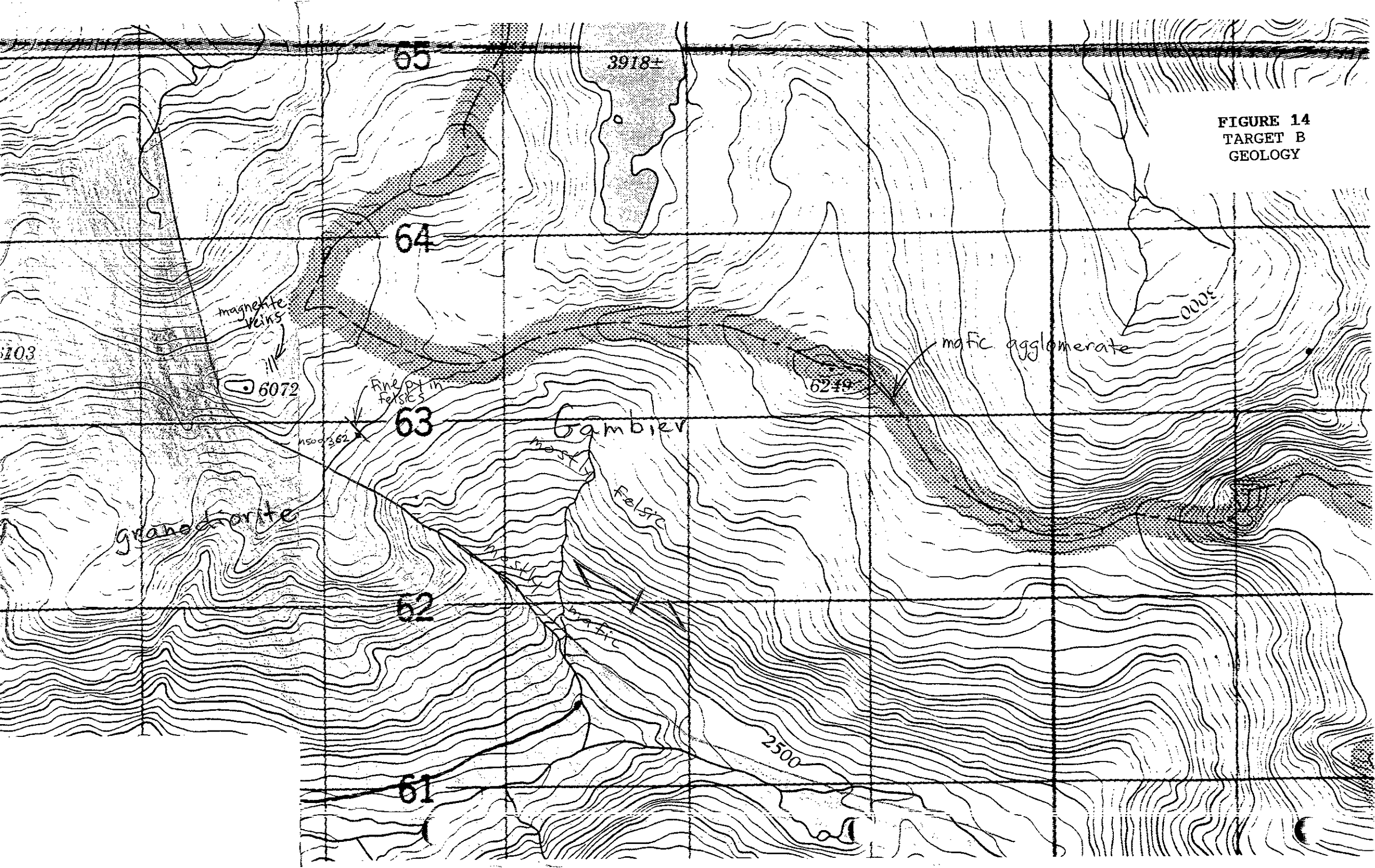
TARGET B - MINERALIZATION

Fine bands of pyrite are common within the felsics at numerous localities on the upper half of the ridge. Samples of the pyrite-bearing felsics were submitted for analysis, and generally returned background values for all metals.

Two specimens (M500360; M500361) of the mafic agglomerate on the ridge top returned assay values of 0.1% copper.

A 15 cm wide float specimen collected in the valley bottom near the valley's eastern end contained 5% pyrite and several quartz veins in a host rock that appears to be a felsic volcanic. The specimen (M500355), which returned assay values of 0.29% copper and 5.2 g/t silver, was of insufficient size to determine whether the mineralization

FIGURE 14
TARGET B
GEOLOGY



has been deformed by regional metamorphism.

A series of massive magnetite veins at the top of the ridge to the east of the 6072 foot peak is undeformed by regional metamorphism. A specimen (M500362) of the magnetite was analysed and returned background values for all metals except iron.

TARGET B - GEOCHEMISTRY

60 soil samples were collected from a grid with a sample density of 100 by 100 metres and 70 soil samples were collected on reconnaissance lines using elevation as the primary control.

Overburden is considered largely residual or colluvial, and often of thickness of less than four metres. It was observed that soil development at almost all sample sites is extremely poor, with no differentiable horizons. Material commonly sampled was a brown-grey BC or C horizon. The poor soil development suggests that the soil assay results may not reflect an accurate signature of bedrock mineralization.

The grid was located near the western edge of the Gambier pendant, over the zone in which the volcanics change in composition from predominantly mafic to predominantly felsic (Figures 15, 16). The area sampled covers at least two thick felsic units in which fine bands of pyrite were

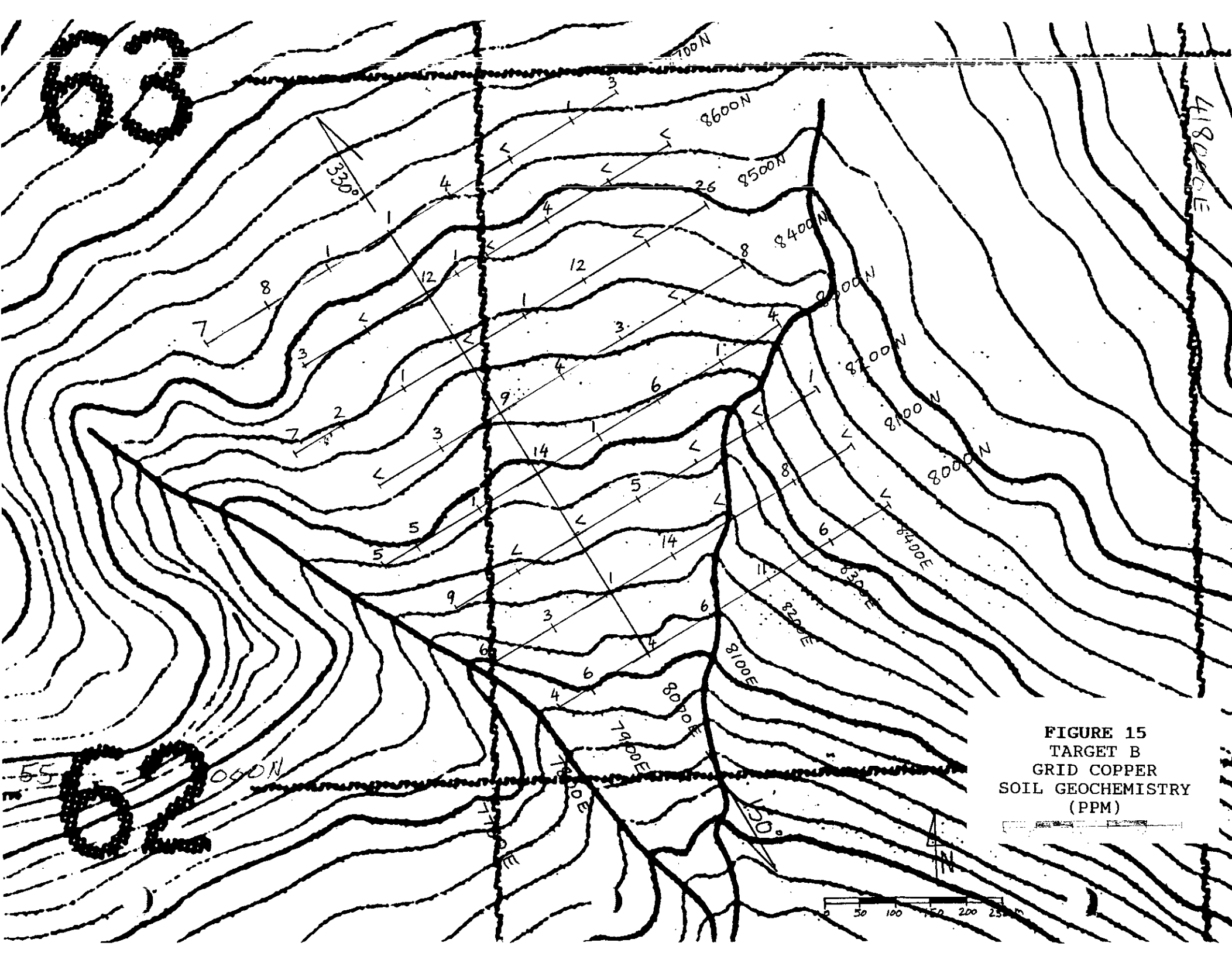


FIGURE 15
TARGET B
GRID COPPER
SOIL GEOCHEMISTRY
(PPM)

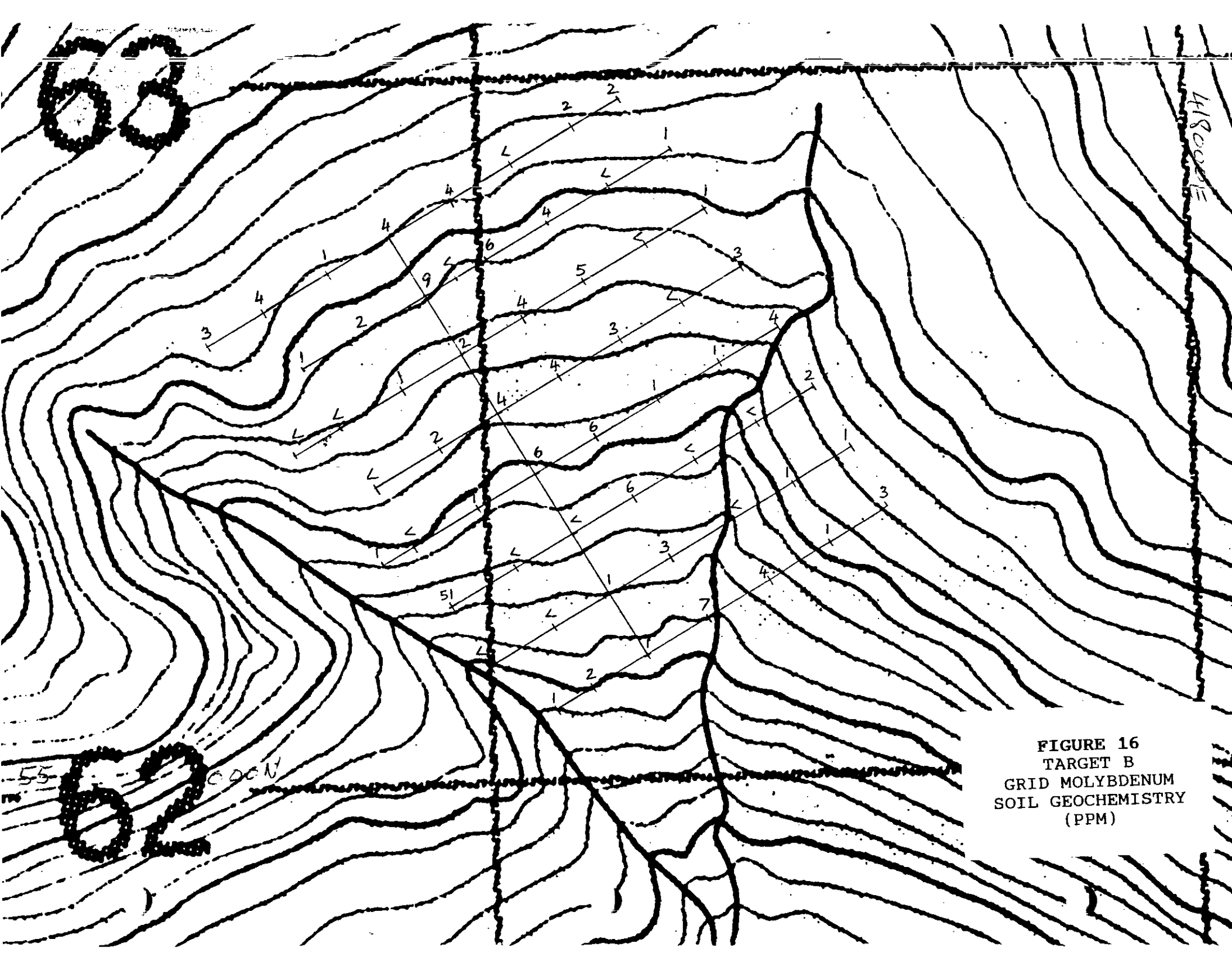


FIGURE 16
TARGET B
GRID MOLYBDENUM
SOIL GEOCHEMISTRY
(PPM)

observed.

The grid samples generally returned background values for all metals with the exception of a single sample from the western edge of the grid. It was extremely anomalous for molybdenum at 51 ppm.

East of the grid, two contour soil lines were sampled at a spacing of 50 metres (Figures 17-20). 450 metres of the top line intermittently returned weakly to moderately anomalous response for copper. The mineralized rock specimen M500355, which returned an assay value of 0.29% copper, was found on the valley floor downhill from the eastern edge of the copper anomaly.

To the west of and downhill from this copper anomaly, barium was weakly anomalous in eight samples. The barium response is likely understated due to incomplete solution of sulphates by the aqua regia digestion. Bedded barite occurs on the margins of numerous VMS deposits.

Three reconnaissance soil samples (S11 - S13) were collected from a location on the north-facing slope approximately 25 metres downhill from the site at which rock specimens (M500360; M500361) of mafic agglomerate were found (Figures 21, 22). Two of these soil samples returned weakly anomalous values for copper.

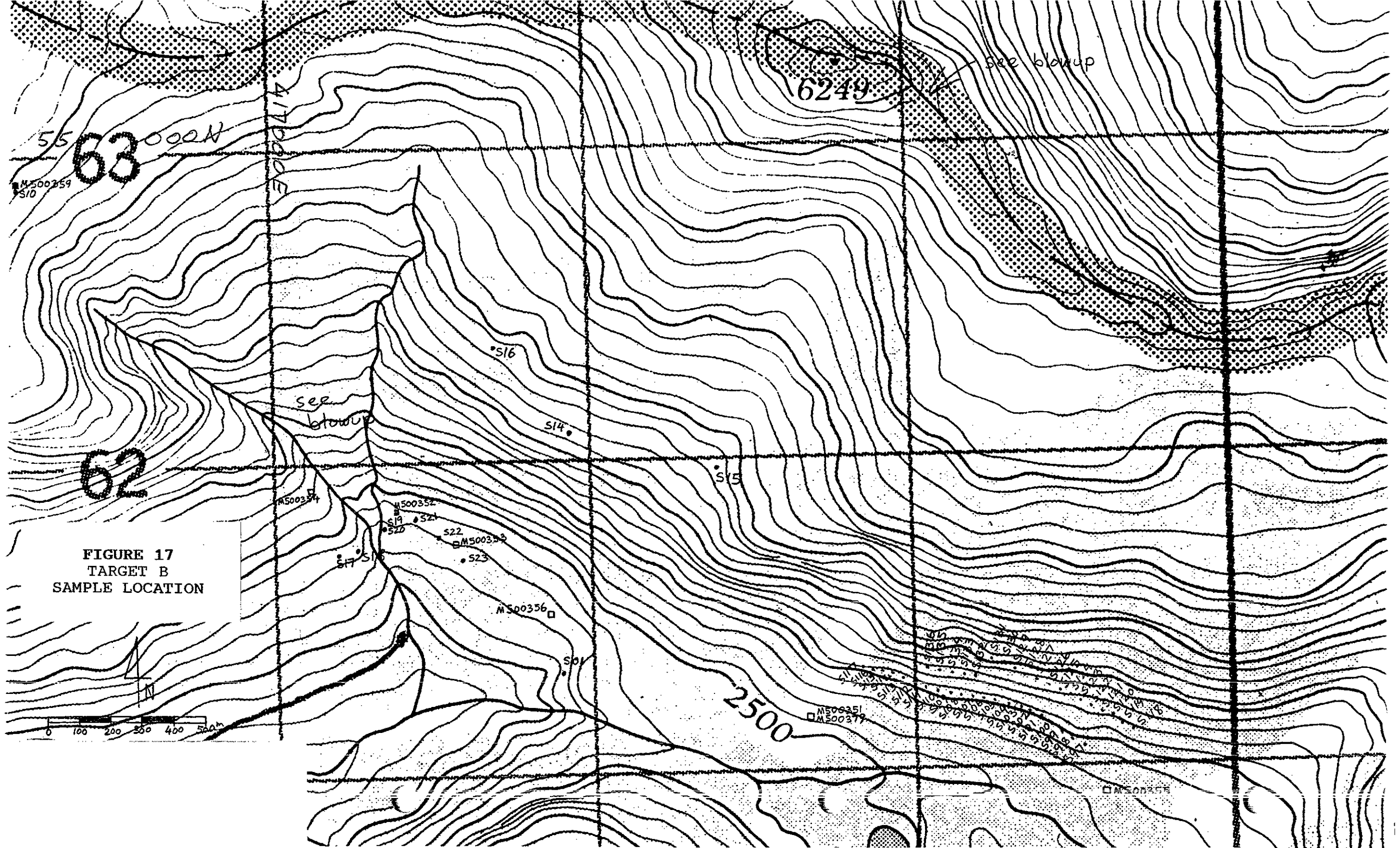


FIGURE 17
TARGET B
SAMPLE LOCATION

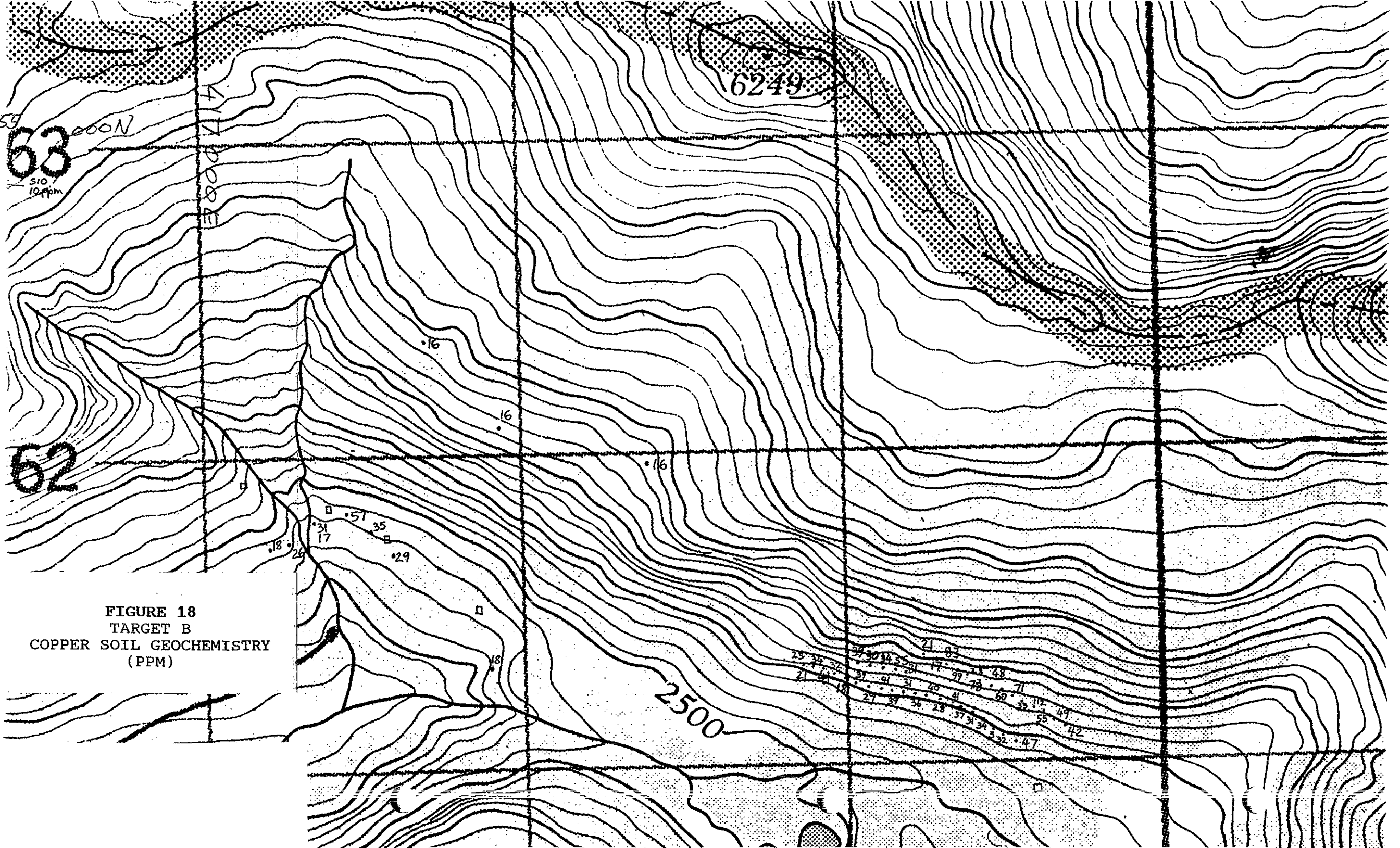


FIGURE 18
TARGET B
COPPER SOIL GEOCHEMISTRY
(PPM)

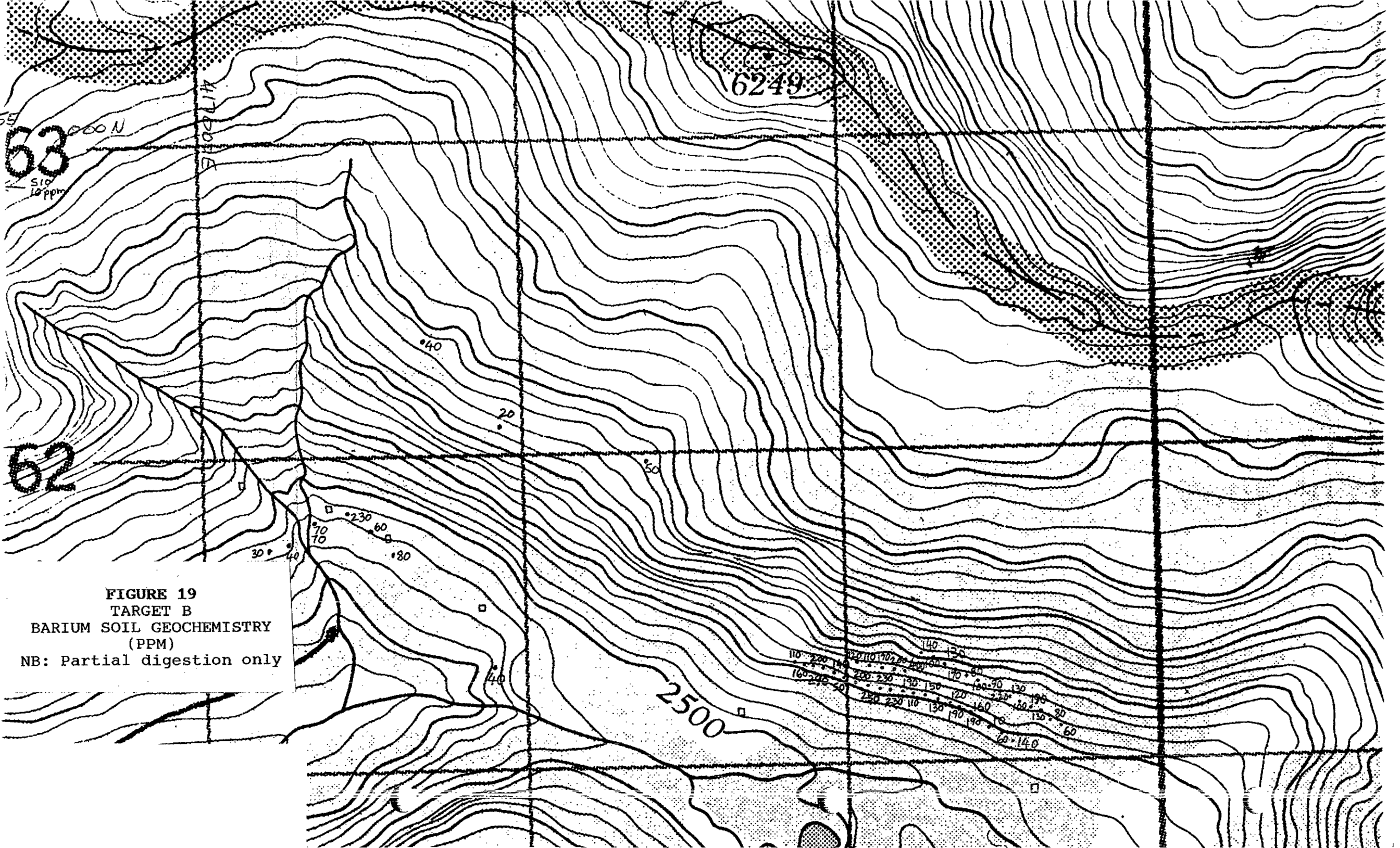


FIGURE 19
TARGET B
BARIUM SOIL GEOCHEMISTRY
(PPM)
 NB: Partial digestion only

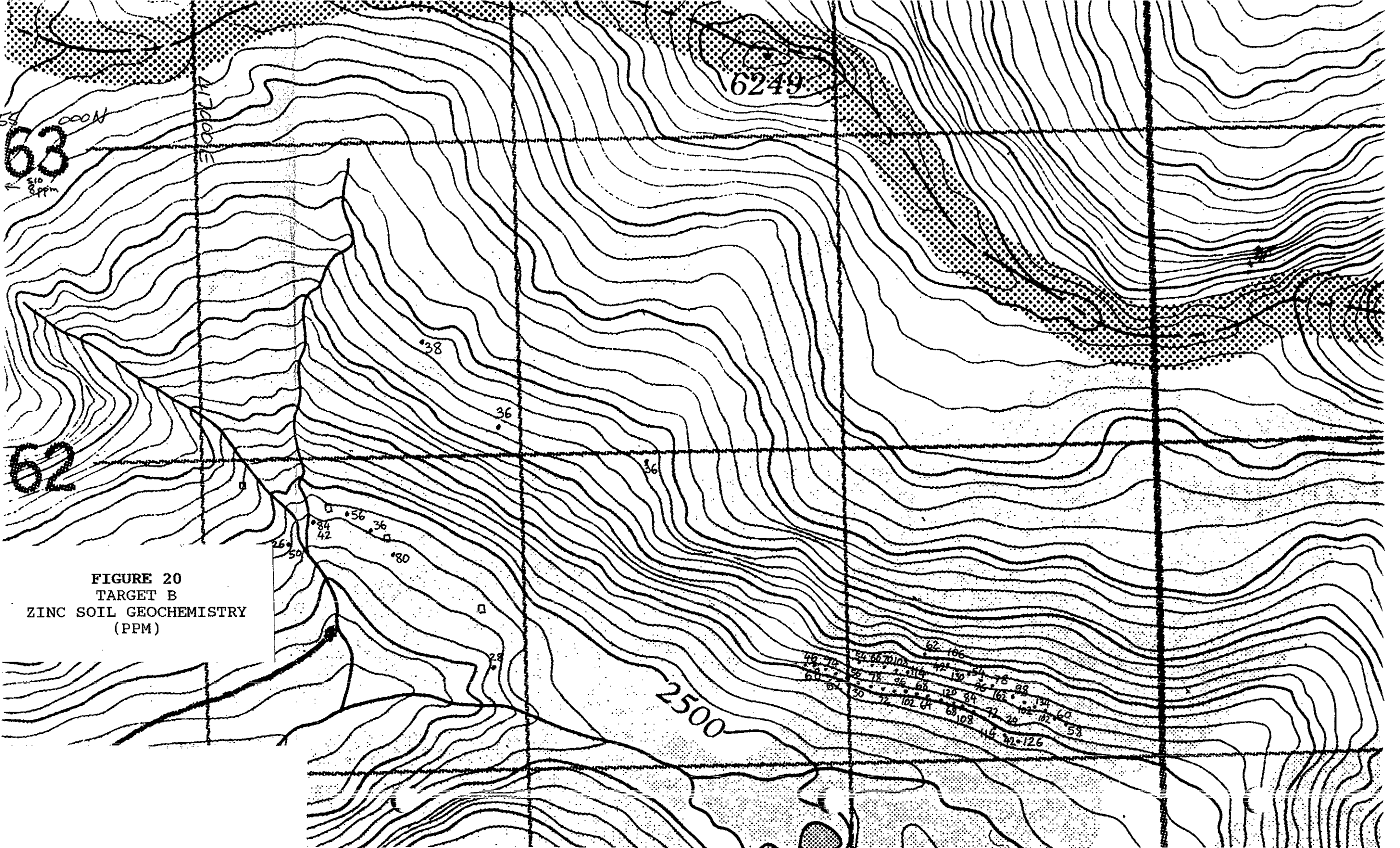


FIGURE 20
 TARGET B
 ZINC SOIL GEOCHEMISTRY
 (PPM)

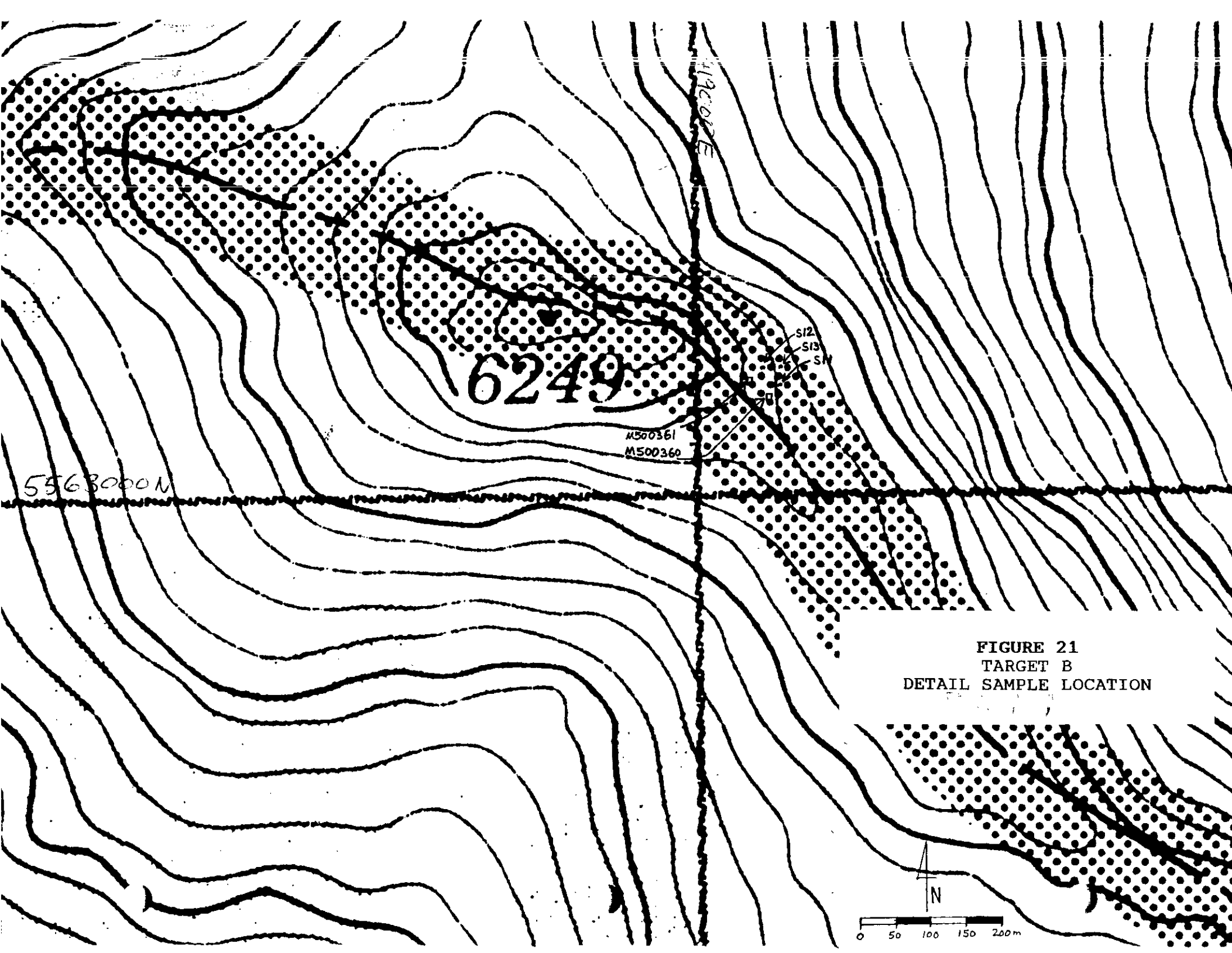


FIGURE 21
TARGET B
DETAIL SAMPLE LOCATION

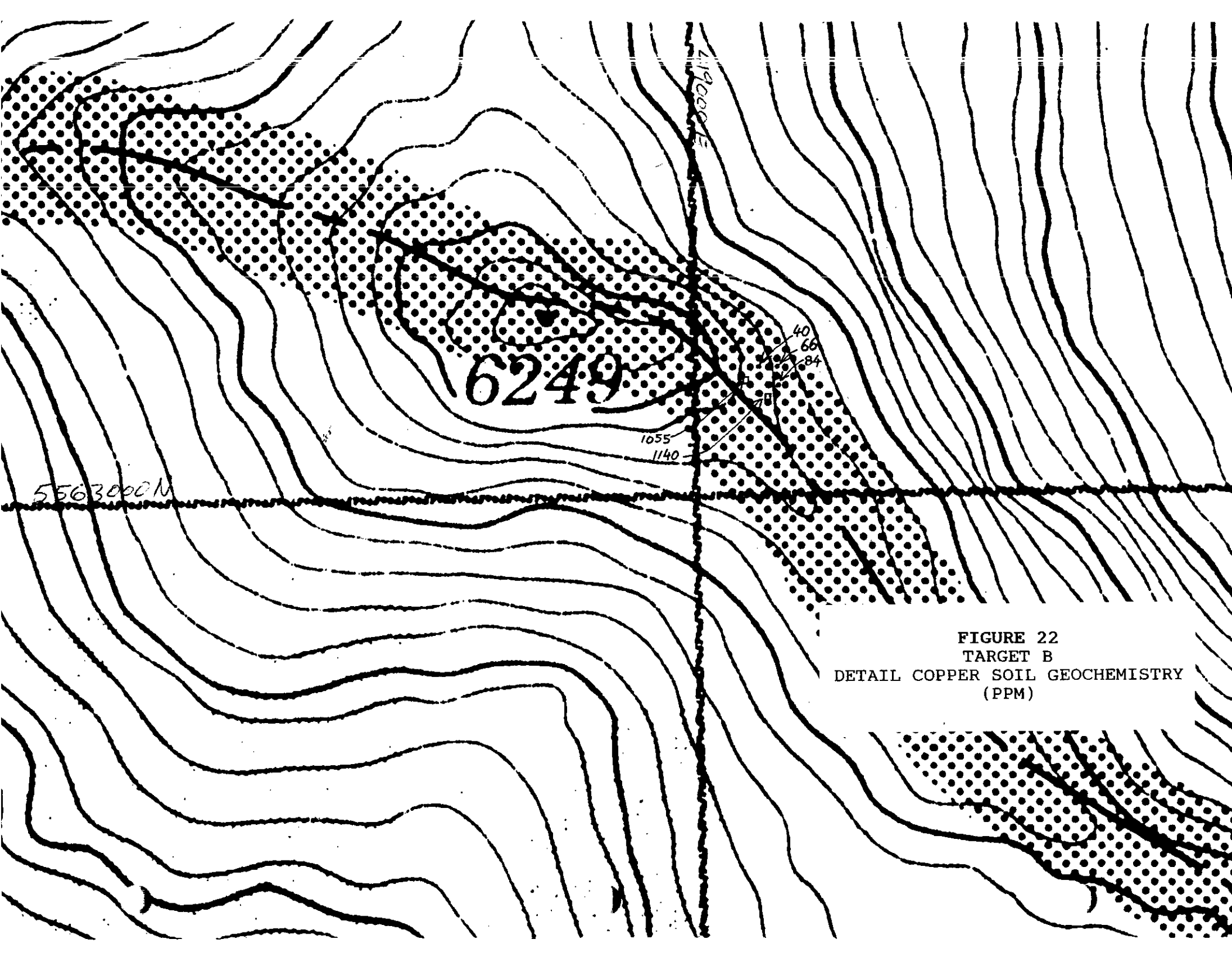


FIGURE 22
TARGET B
DETAIL COPPER SOIL GEOCHEMISTRY
(PPM)

TARGET B - RECOMMENDATIONS

This target is protected by the Old Ironsides mineral claim. Geological mapping at a scale no greater than 1:10000 is recommended. A suitable basemap will have to be produced or acquired. Further prospecting is warranted in the vicinity of the sulphide-bearing agglomerate on the ridgetop. Detailed prospecting, additional soil sampling and possibly hand pitting are recommended in the vicinity of the molybdenum soil anomaly at the western edge of the soil grid. A soil grid is recommended to define the copper and barium anomalies outlined by the contour lines east of the grid.

TARGET C - GEOLOGY

Target C is located in the same pendant as Target B and represents its northern extension. No detailed geological mapping was done on this target due to very poor access, but felsic and mafic volcanics and schist were observed (Figure 23). Bedding strikes approximately northwest and dips nearly vertical.

TARGET C - MINERALIZATION

Several pieces of float cobble bearing 1/2% to 4% pyrite in fine bands were found, but none were sampled. In granodiorite west of the metamorphic pendant, rare coarse blobs of molybdenite were observed in thick veins of coarse quartz and pink feldspar.

TARGET C - GEOCHEMISTRY

Contour soil lines with a sample spacing of 100 metres were run on the northern and southern lower slopes of the valley which bisects the target (Figures 24-27). Samples on the northern slope returned background values for all metals while those on the southern slope pointed out an interesting anomaly.

Two samples near the eastern end of the line returned weakly anomalous barium values and one of those returned an extremely anomalous arsenic value of 750 ppm. Both barium and arsenic are indicator minerals for VMS mineralization

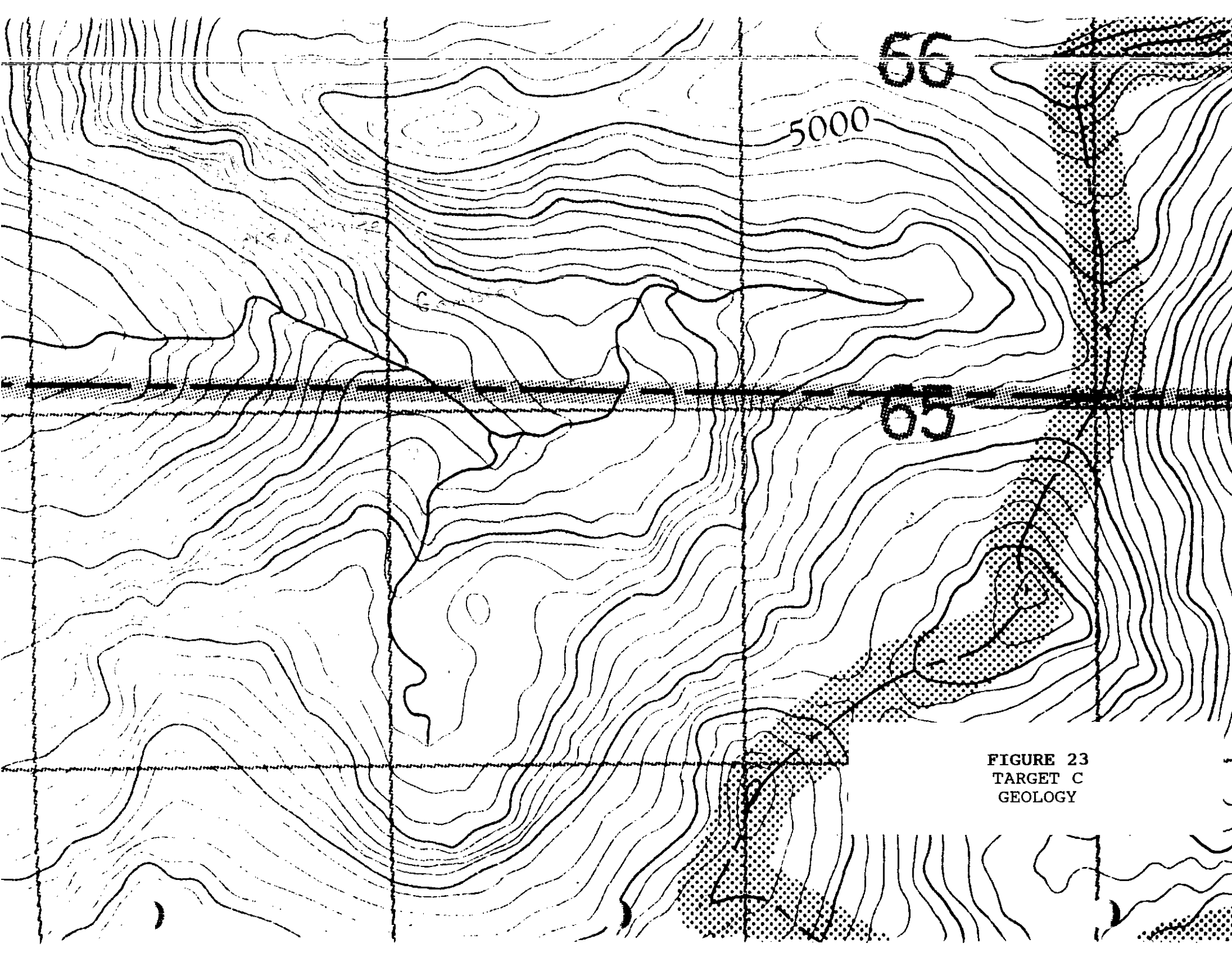


FIGURE 23
TARGET C
GEOLOGY

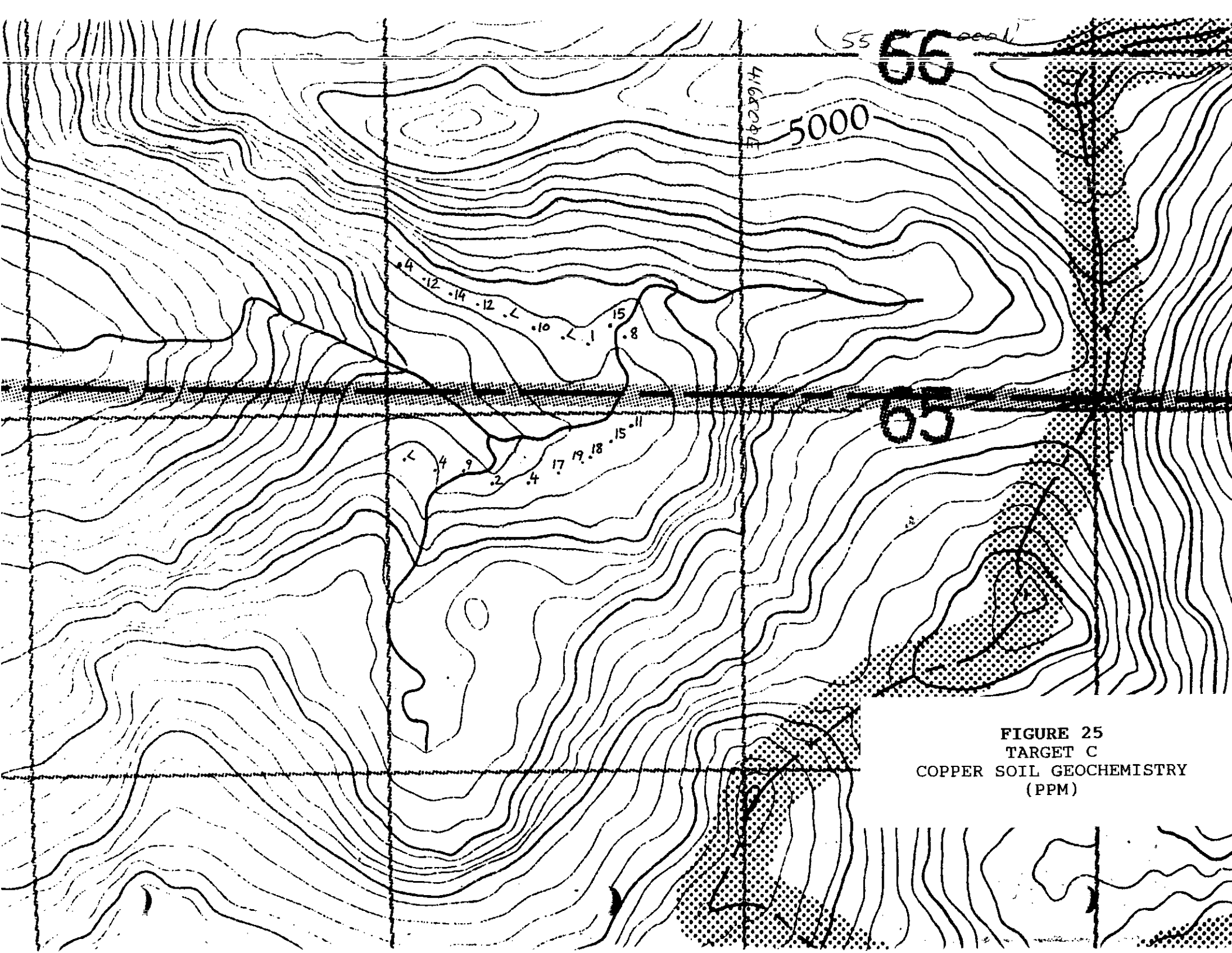


FIGURE 25
TARGET C
COPPER SOIL GEOCHEMISTRY
(PPM)

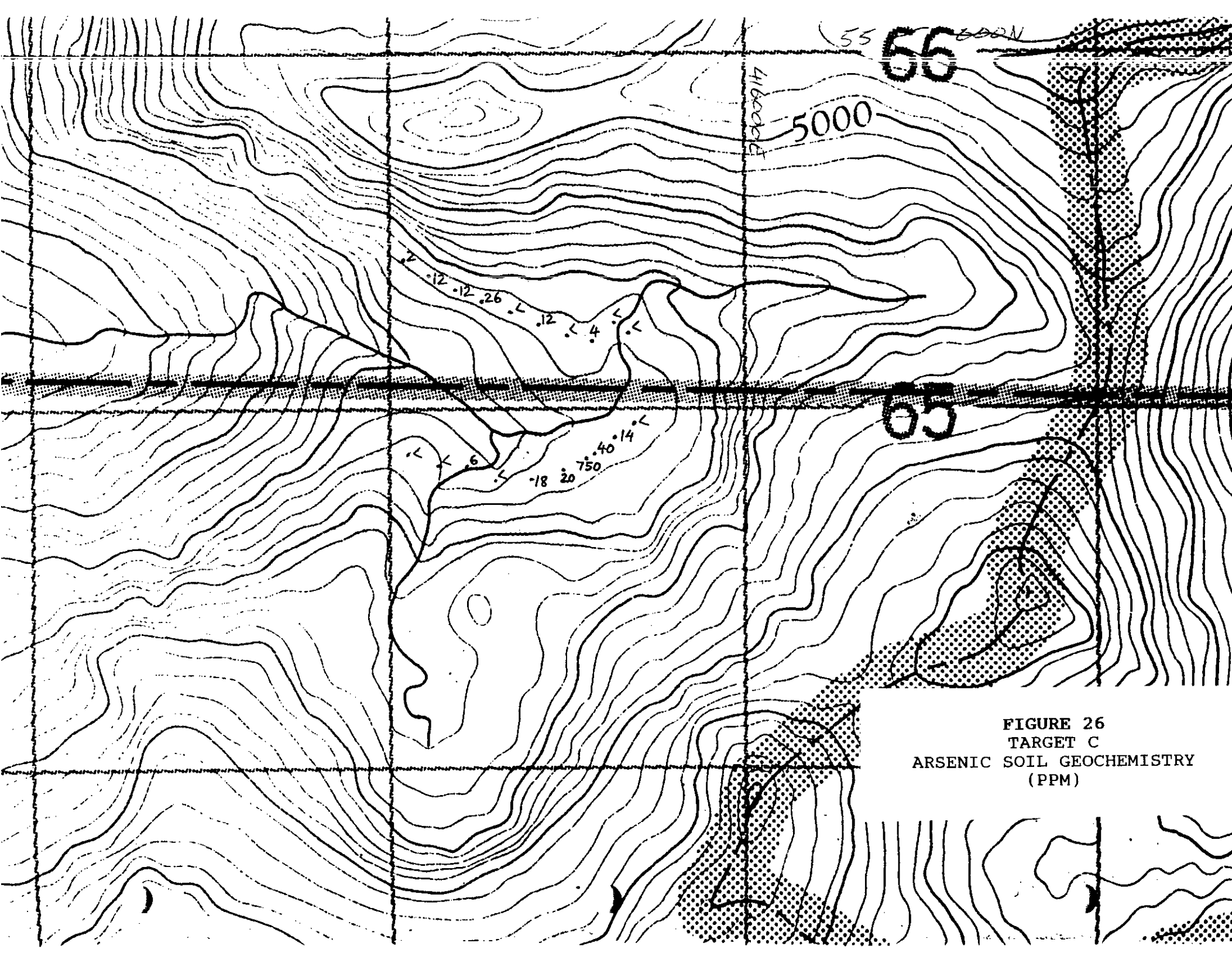


FIGURE 26
TARGET C
ARSENIC SOIL GEOCHEMISTRY
(PPM)

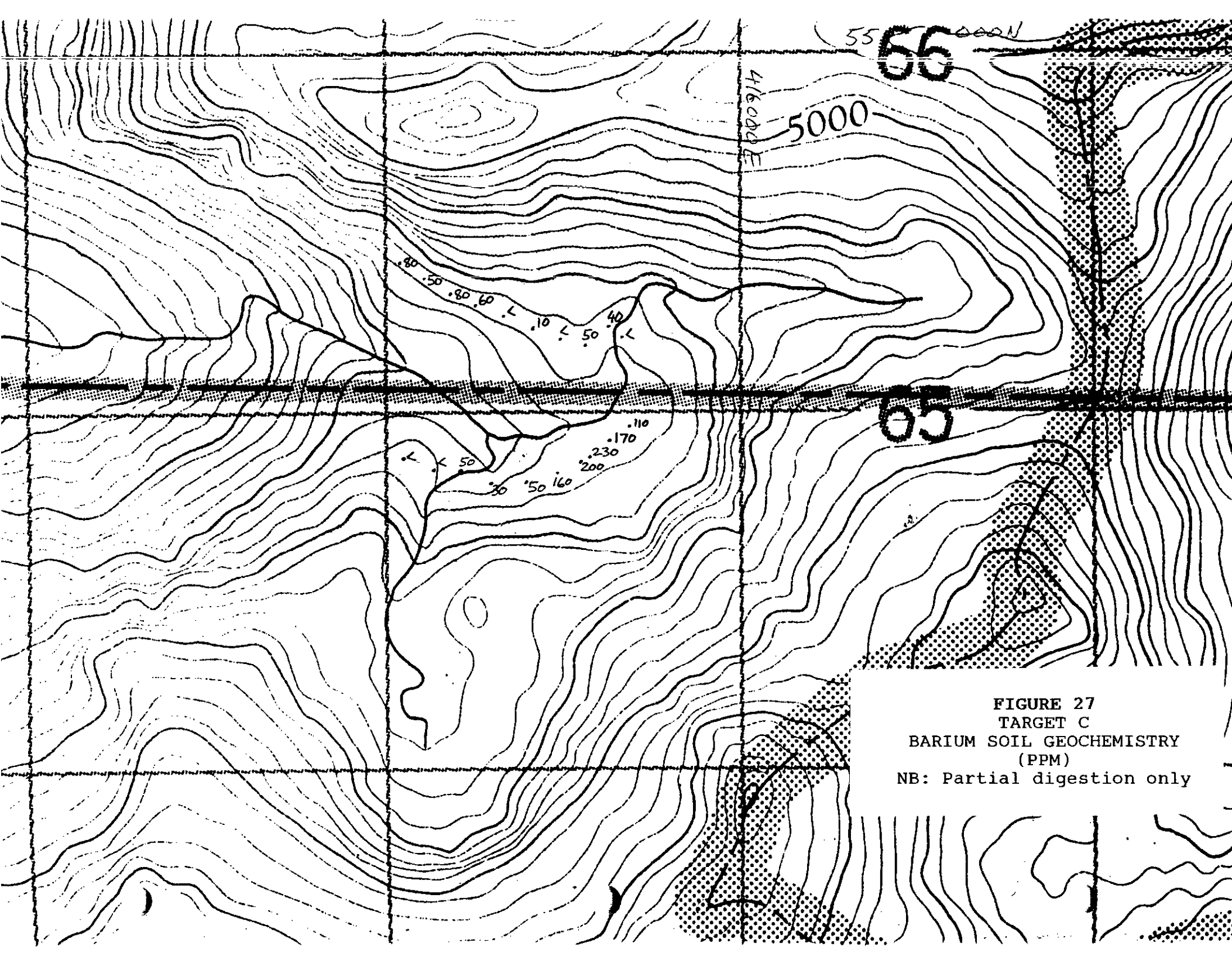


FIGURE 27
TARGET C
BARIUM SOIL GEOCHEMISTRY
(PPM)
NB: Partial digestion only

(Hoffman, 1986). Base metals response was at background levels.

TARGET C - RECOMMENDATIONS

Geological mapping at a scale no larger than 1:10000 is recommended. A suitable basemap will have to be produced or acquired. Prospecting on the southern valley slope is recommended. Additional reconnaissance contour soil lines are recommended for the southern valley slope, including some closely-spaced sampling in the vicinity of the current arsenic-barium anomaly.

TARGET D - GEOLOGY

Target D is a narrow, linear pendant that dips vertically and strikes northwest (Figure 28). It comprises alternately bands of fine grained volcanics of andesitic to basaltic composition and fine to medium grained felsics of rhyolitic composition. A thick diorite dyke bisects the pendant for about half its length. A thin, coarse grained marble lens was observed near the northern margin of the pendant. Metamorphic grade is low.

TARGET D - MINERALIZATION

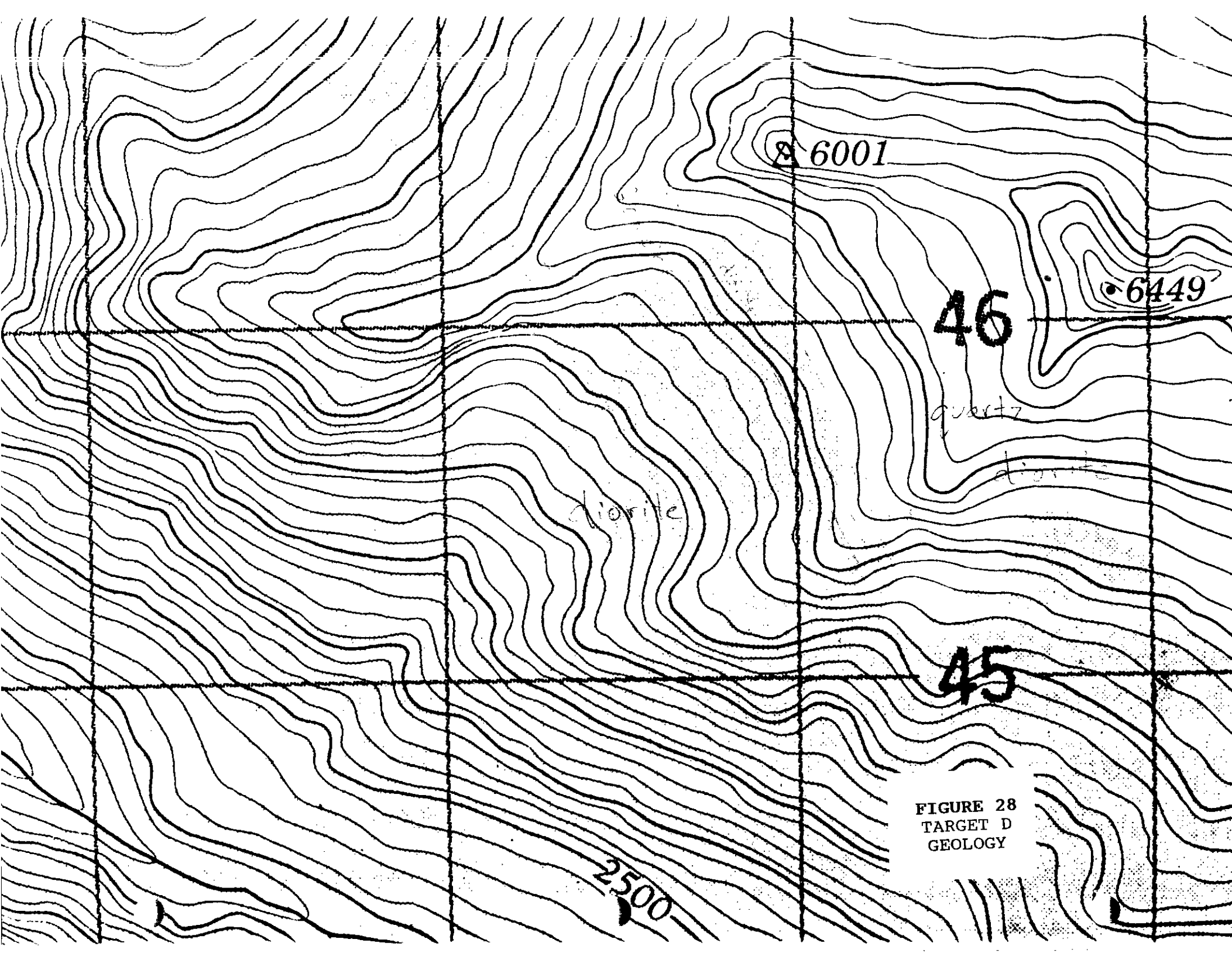
Fine pyrite bands were observed at several locations but, where sampled, returned background values for all metals.

TARGET D - GEOCHEMISTRY

43 soil samples were collected along a series of reconnaissance soil lines using elevation as the primary control (Figures 29-31). The most significant result is moderately anomalous molybdenum response near the centre of the area sampled. The peak value is 34 ppm molybdenum.

TARGET D - RECOMMENDATIONS

A limited program of prospecting and soil sampling is recommended, particularly to the north of the ridge, where no work has yet been done.



6001

6449

46

quartz

diorite

diorite

45

2500

FIGURE 28
TARGET D
GEOLOGY

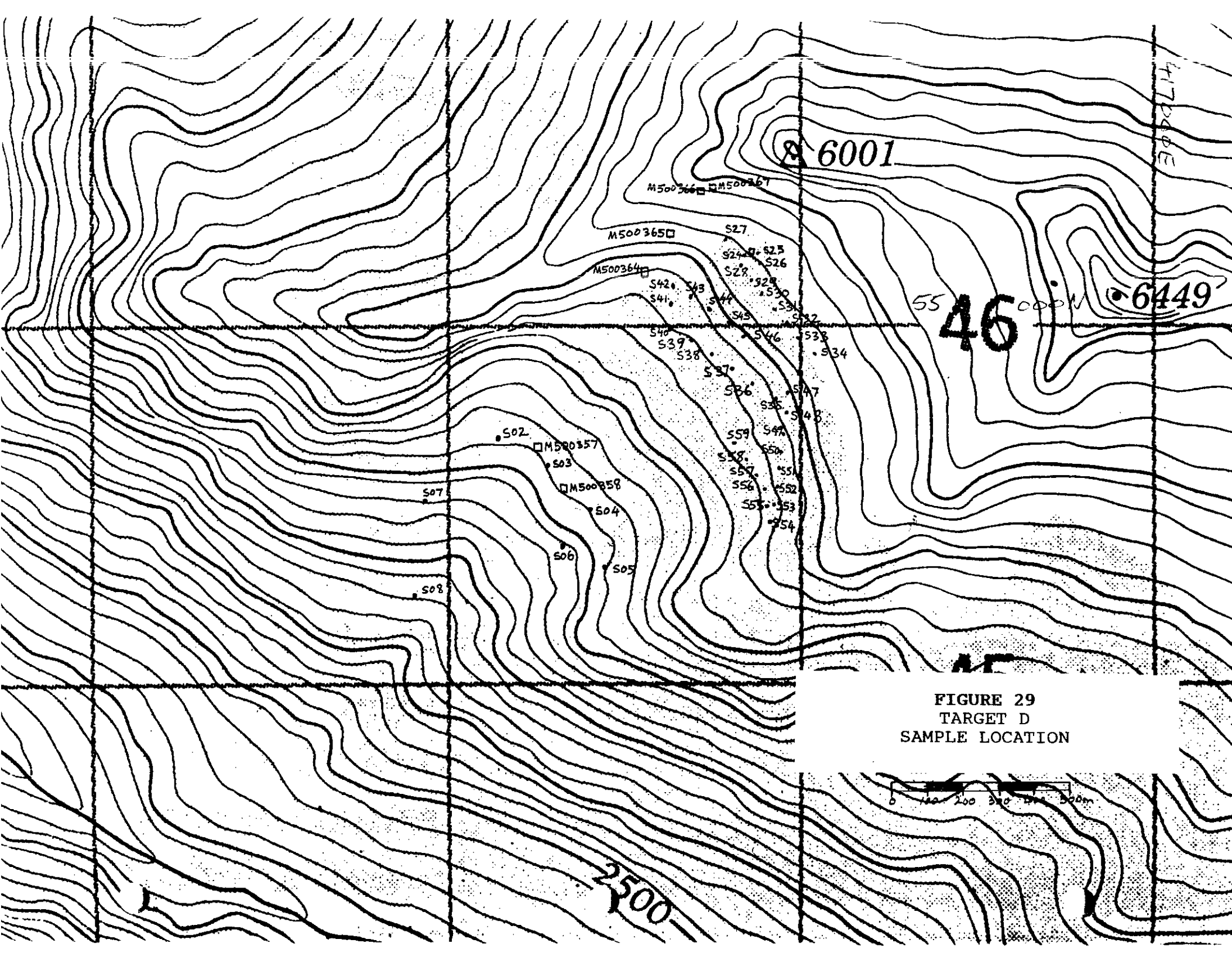
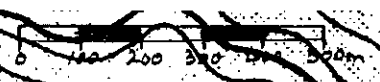


FIGURE 29
TARGET D
SAMPLE LOCATION



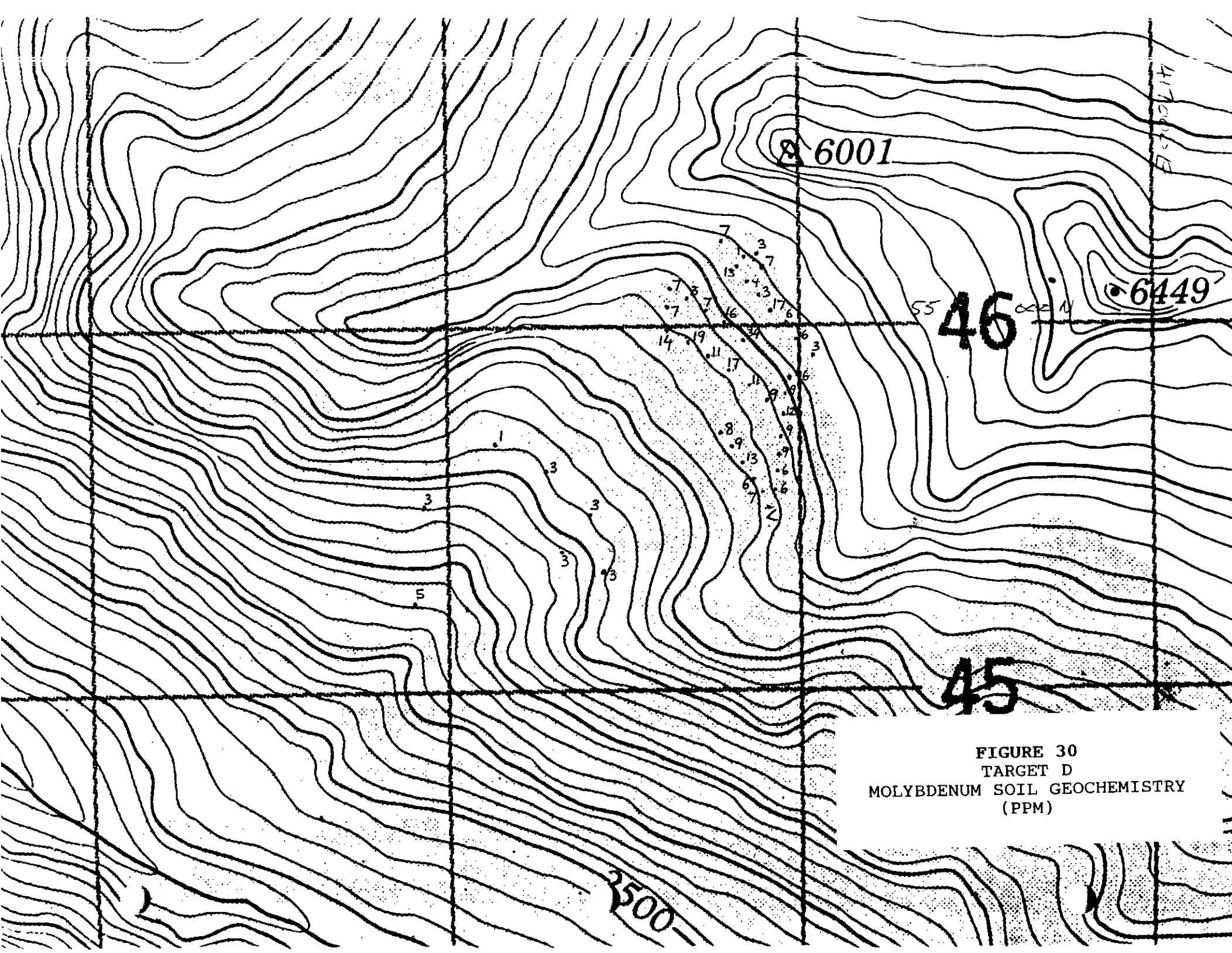


FIGURE 30
TARGET D
MOLYBDENUM SOIL GEOCHEMISTRY
(PPM)

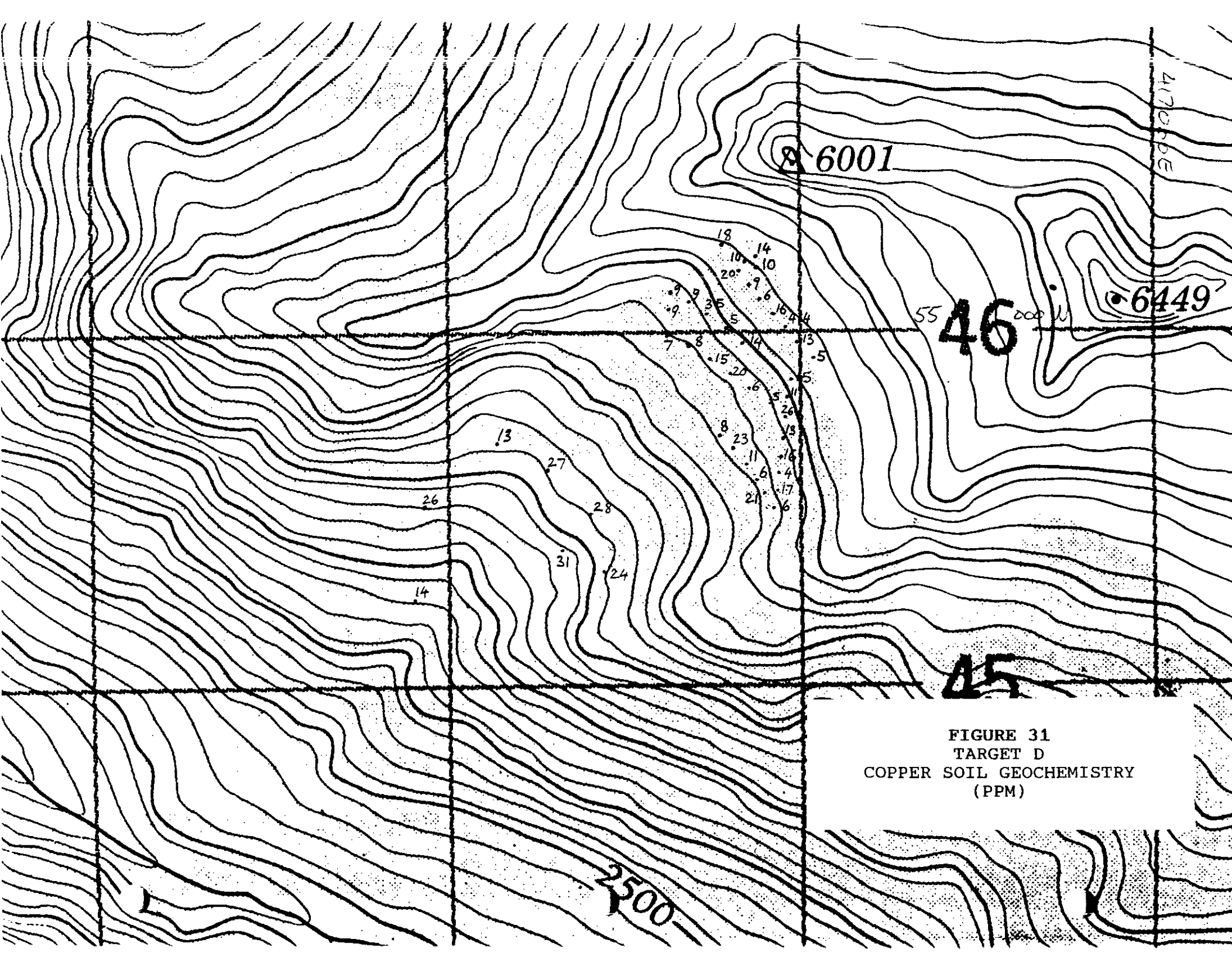


FIGURE 31
TARGET D
COPPER SOIL GEOCHEMISTRY
(PPM)

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

AUTHOR'S STATEMENT OF QUALIFICATIONS

I, Arnd Burgert, geologist, with business and residential address in New Westminster, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1995 with a B.Sc. in geology.
2. From 1989 to present, I have been actively engaged in mineral exploration in British Columbia, the Northwest Territories and the Yukon Territory.
3. I have personally performed the work reported herein.



A. Burgert, B.Sc.

APPENDIX II
CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 Account :QHB

Project : SUNSHINE COAST
 Comments: ATTN: ARND BURGERT CC: ARND BURGERT

CERTIFICATE OF ANALYSIS A9823569

B
D
B

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
SO1	201	202	0.2	5.97	< 2	40	< 0.5	< 2	0.07	< 0.5	4	19	18	2.97	< 10	1	0.05	< 10	0.34	140	1
SO2	201	202	0.2	3.04	< 2	40	< 0.5	2	0.05	< 0.5	2	19	13	4.16	10	< 1	0.04	< 10	0.12	60	1
SO3	201	202	< 0.2	5.04	< 2	60	< 0.5	< 2	0.08	< 0.5	7	22	27	3.75	< 10	< 1	0.13	< 10	0.46	135	3
SO4	201	202	< 0.2	5.09	< 2	50	< 0.5	2	0.08	< 0.5	7	25	28	4.50	10	3	0.10	< 10	0.43	130	3
SO5	201	202	< 0.2	4.99	< 2	70	< 0.5	2	0.07	< 0.5	7	26	24	3.80	10	< 1	0.10	< 10	0.52	155	3
SO6	201	202	< 0.2	6.63	< 2	50	0.5	< 2	0.07	< 0.5	5	22	31	3.03	< 10	2	0.08	< 10	0.33	110	3
SO7	201	202	< 0.2	3.70	< 2	80	< 0.5	< 2	0.19	< 0.5	11	17	26	3.56	10	< 1	0.22	< 10	0.86	275	3
SO8	201	202	< 0.2	2.64	< 2	40	< 0.5	< 2	0.08	< 0.5	6	16	14	4.25	10	1	0.06	< 10	0.24	90	5
L8000N 7850E	201	202	< 0.2	0.74	< 2	10	< 0.5	< 2	0.03	< 0.5	< 1	3	4	1.87	< 10	< 1	0.02	< 10	0.08	30	1
L8000N 7900E	201	202	< 0.2	1.71	< 2	30	< 0.5	< 2	0.10	< 0.5	2	3	6	3.30	30	< 1	0.02	< 10	0.06	25	2
L8000N 8000E	201	202	< 0.2	0.68	< 2	10	< 0.5	2	0.03	< 0.5	< 1	3	4	0.34	< 10	< 1	0.03	< 10	0.06	35	1
L8000N 8100E	201	202	< 0.2	1.32	18	30	< 0.5	2	0.01	< 0.5	3	5	6	7.65	10	< 1	0.06	< 10	0.12	50	7
L8000N 8200E	201	202	< 0.2	2.86	14	30	< 0.5	2	0.07	< 0.5	4	12	11	5.28	10	< 1	0.10	< 10	0.31	160	4
L8000N 8300E	201	202	< 0.2	0.58	< 2	10	< 0.5	< 2	0.05	< 0.5	2	1	6	2.57	10	< 1	0.03	< 10	0.10	80	1
L8000N 8400E	201	202	< 0.2	0.12	< 2	< 10	< 0.5	2	0.02	< 0.5	< 1	< 1	< 1	0.21	< 10	< 1	0.01	< 10	< 0.01	15	3
L8100N 7800E	201	202	< 0.2	2.73	< 2	10	< 0.5	2	0.04	< 0.5	1	4	6	4.31	10	< 1	0.01	< 10	0.04	25	< 1
L8100N 7900E	201	202	< 0.2	0.27	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	1	< 1	3	0.38	< 10	< 1	< 0.01	10	0.09	45	< 1
L8100N 8000E	201	202	< 0.2	0.25	< 2	< 10	< 0.5	2	0.01	< 0.5	< 1	1	1	0.54	< 10	1	0.01	< 10	0.03	25	1
L8100N 8100E	201	202	0.2	6.32	6	30	0.5	< 2	0.04	< 0.5	3	14	14	3.56	10	< 1	0.08	< 10	0.29	140	3
L8100N 8200E	201	202	< 0.2	0.19	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.05	< 10	< 1	< 0.01	< 10	< 0.01	25	< 1
L8100N 8300E	201	202	< 0.2	2.08	< 2	20	< 0.5	< 2	0.06	< 0.5	4	9	8	5.01	10	1	0.06	< 10	0.24	115	1
L8100N 8400E	201	202	< 0.2	0.11	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.22	< 10	< 1	< 0.01	30	< 0.01	5	1
L8200N 7800E	201	202	< 0.2	3.30	6	10	< 0.5	< 2	0.02	< 0.5	3	8	9	13.40	10	< 1	0.04	< 10	0.06	35	51
L8200N 7900E	201	202	< 0.2	0.29	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	< 1	0.13	< 10	< 1	< 0.01	< 10	< 0.01	20	< 1
L8200N 8000E	201	202	< 0.2	0.06	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.06	< 10	< 1	< 0.01	< 10	< 0.01	25	< 1
L8200N 8100E	201	202	< 0.2	0.63	36	40	< 0.5	< 2	0.03	< 0.5	1	2	5	3.85	10	< 1	0.05	< 10	0.07	65	6
L8200N 8200E	201	202	< 0.2	0.12	< 2	< 10	< 0.5	2	< 0.01	< 0.5	< 1	1	< 1	0.29	< 10	< 1	0.01	10	< 0.01	20	< 1
L8200N 8300E	201	202	< 0.2	0.58	< 2	30	< 0.5	< 2	0.01	< 0.5	1	< 1	< 1	0.87	< 10	3	0.04	< 10	0.10	105	< 1
L8200N 8400E	201	202	< 0.2	0.25	< 2	< 10	< 0.5	2	0.03	< 0.5	< 1	1	1	0.18	< 10	1	0.02	< 10	0.03	35	2
L8300N 7750E	201	202	< 0.2	3.36	< 2	10	< 0.5	< 2	0.05	< 0.5	1	8	5	3.70	10	< 1	0.03	< 10	0.07	50	1
L8300N 7800E	201	202	< 0.2	0.73	< 2	10	< 0.5	2	0.08	< 0.5	1	< 1	5	2.21	< 10	< 1	0.05	< 10	0.13	95	< 1
L8300N 7900E	201	202	< 0.2	0.35	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	2	1	0.07	< 10	< 1	0.01	< 10	0.01	10	1
L8300N 8000E	201	202	< 0.2	3.67	16	30	< 0.5	2	0.03	< 0.5	3	12	14	5.57	10	1	0.08	< 10	0.27	140	6
L8300N 8100E	201	202	< 0.2	0.39	8	10	< 0.5	4	0.02	< 0.5	< 1	1	1	1.49	< 10	< 1	0.01	< 10	0.03	25	6
L8300N 8200E	201	202	0.2	0.71	28	< 10	< 0.5	< 2	0.01	< 0.5	1	4	6	3.12	20	< 1	0.01	< 10	0.03	15	1
L8300N 8300E	201	202	< 0.2	0.16	2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	1	0.49	< 10	< 1	< 0.01	< 10	< 0.01	15	1
L8300N 8400E	201	202	< 0.2	2.02	40	70	< 0.5	2	0.03	< 0.5	3	7	4	4.05	20	< 1	0.30	< 10	0.65	375	4
L8400N 7800E	201	202	< 0.2	0.22	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	1	< 1	0.15	10	< 1	< 0.01	< 10	0.01	10	< 1
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L8400N 8000E	201	202	< 0.2	1.26	74	30	< 0.5	2	0.03	< 0.5	1	5	9	2.68	< 10	< 1	0.09	< 10	0.16	85	4

CERTIFICATION:

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
B SO1	201 202	< 0.01	5	360	< 2	6	5	4	0.15	< 10	< 10	63	< 10	28
SO2	201 202	< 0.01	4	280	8	< 2	3	6	0.23	< 10	< 10	105	< 10	20
SO3	201 202	< 0.01	5	200	< 2	< 2	5	7	0.21	< 10	< 10	81	< 10	24
SO4	201 202	< 0.01	5	350	< 2	6	5	6	0.25	< 10	< 10	102	< 10	24
SO5	201 202	< 0.01	7	320	< 2	< 2	4	8	0.26	< 10	< 10	98	< 10	36
D SO6	201 202	< 0.01	5	530	< 2	2	6	6	0.20	< 10	< 10	83	< 10	30
SO7	201 202	< 0.01	5	300	< 2	< 2	3	11	0.32	< 10	< 10	126	< 10	48
SO8	201 202	< 0.01	4	140	8	< 2	2	5	0.27	< 10	< 10	144	< 10	20
B L8000N 7850E	201 202	< 0.01	< 1	80	2	< 2	< 1	1	0.17	< 10	< 10	112	< 10	12
L8000N 7900E	201 202	< 0.01	< 1	170	4	2	1	8	0.22	< 10	< 10	188	< 10	12
L8000N 8000E	201 202	< 0.01	< 1	170	2	< 2	< 1	4	0.06	< 10	< 10	15	< 10	14
L8000N 8100E	201 202	< 0.01	< 1	280	2	2	3	3	0.14	< 10	< 10	165	< 10	16
L8000N 8200E	201 202	< 0.01	3	180	8	< 2	3	3	0.21	< 10	< 10	97	< 10	36
L8000N 8300E	201 202	< 0.01	1	130	2	2	1	1	0.18	< 10	< 10	82	< 10	12
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L8100N 7800E	201 202	< 0.01	< 1	160	2	< 2	3	2	0.26	< 10	< 10	150	< 10	12
L8100N 7900E	201 202	< 0.01	< 1	90	2	< 2	1	1	0.14	< 10	< 10	31	< 10	8
L8100N 8000E	201 202	< 0.01	< 1	100	2	< 2	< 1	1	0.09	< 10	< 10	31	< 10	2
L8100N 8100E	201 202	< 0.01	2	290	2	6	4	5	0.14	< 10	< 10	62	< 10	38
L8100N 8200E	201 202	< 0.01	< 1	60	2	< 2	< 1	< 1	0.05	< 10	< 10	8	< 10	4
L8100N 8300E	201 202	< 0.01	1	150	4	6	3	3	0.21	< 10	< 10	143	< 10	22
L8100N 8400E	201 202	< 0.01	< 1	90	< 2	< 2	< 1	2	< 0.01	< 10	< 10	4	< 10	2
L8200N 7800E	201 202	< 0.01	1	310	12	2	2	3	0.12	< 10	< 10	125	< 10	16
L8200N 7900E	201 202	< 0.01	< 1	60	4	< 2	< 1	< 1	0.11	< 10	< 10	23	< 10	< 2
L8200N 8000E	201 202	< 0.01	< 1	60	< 2	< 2	< 1	< 1	0.01	< 10	< 10	2	< 10	< 2
L8200N 8100E	201 202	< 0.01	< 1	260	2	< 2	1	4	0.13	< 10	< 10	92	< 10	16
L8200N 8200E	201 202	< 0.01	< 1	90	2	< 2	< 1	1	0.06	< 10	< 10	18	< 10	6
L8200N 8300E	201 202	< 0.01	< 1	60	2	< 2	1	1	0.06	< 10	< 10	23	< 10	8
L8200N 8400E	201 202	< 0.01	< 1	100	6	< 2	< 1	1	0.14	< 10	< 10	21	< 10	6
L8300N 7750E	201 202	< 0.01	1	160	6	< 2	3	3	0.14	< 10	< 10	68	< 10	10
L8300N 7800E	201 202	< 0.01	< 1	100	2	< 2	1	3	0.16	< 10	< 10	42	< 10	8
L8300N 7900E	201 202	< 0.01	< 1	120	10	< 2	< 1	1	0.10	< 10	< 10	12	< 10	2
L8300N 8000E	201 202	< 0.01	3	150	6	< 2	4	3	0.18	< 10	< 10	86	< 10	26
L8300N 8100E	201 202	< 0.01	< 1	80	6	< 2	< 1	1	0.13	< 10	< 10	62	< 10	10
L8300N 8200E	201 202	< 0.01	< 1	90	6	< 2	< 1	2	0.17	< 10	< 10	269	< 10	12
L8300N 8300E	201 202	< 0.01	< 1	40	2	< 2	< 1	1	0.08	< 10	< 10	50	< 10	2
L8300N 8400E	201 202	< 0.01	1	170	4	< 2	10	2	0.26	< 10	< 10	175	< 10	42
L8400N 7800E	201 202	< 0.01	< 1	60	6	< 2	< 1	1	0.11	< 10	< 10	31	< 10	2
L8400N 7900E	201 202	< 0.01	1	90	4	< 2	1	2	0.20	< 10	< 10	69	< 10	10
L8400N 8000E	201 202	< 0.01	1	70	2	2	2	3	0.13	< 10	< 10	45	< 10	12

CERTIFICATION:

Handwritten signature: Hart Biddle



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CERTIFICATE OF ANALYSIS

A9823569

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
L8400N 8100E	201 202	< 0.2	0.42	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	1	4	0.07	< 10	< 1	< 0.01	< 10	< 0.01	15	4
L8400N 8200E	201 202	< 0.2	0.73	4	20	< 0.5	< 2	0.02	< 0.5	< 1	3	3	0.46	< 10	< 1	0.07	< 10	0.11	50	3
L8400N 8300E	201 202	< 0.2	0.15	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.04	< 10	< 1	0.01	< 10	< 0.01	10	< 1
L8400N 8400E	201 202	< 0.2	1.47	< 2	10	< 0.5	< 2	0.03	< 0.5	1	3	8	2.49	10	< 1	0.01	< 10	0.16	30	3
L8500N 7725E	201 202	< 0.2	0.61	< 2	30	< 0.5	< 2	0.04	< 0.5	2	< 1	7	2.54	< 10	< 1	0.07	< 10	0.16	90	< 1
L8500N 7800E	201 202	< 0.2	0.52	< 2	60	< 0.5	< 2	< 0.01	< 0.5	3	< 1	2	0.84	< 10	< 1	0.16	< 10	0.13	40	< 1
L8500N 7900E	201 202	< 0.2	0.48	< 2	< 10	< 0.5	< 2	0.04	< 0.5	2	2	1	0.87	< 10	< 1	0.13	< 10	0.23	125	1
L8500N 8000E	201 202	< 0.2	0.26	< 2	10	< 0.5	< 2	0.02	< 0.5	< 1	1	< 1	0.15	< 10	< 1	0.01	< 10	0.01	20	2
L8500N 8100E	201 202	< 0.2	0.16	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	1	0.40	< 10	< 1	0.01	< 10	0.01	15	4
L8500N 8200E	201 202	< 0.2	1.44	28	40	< 0.5	< 2	0.04	< 0.5	2	7	12	3.25	< 10	< 1	0.08	< 10	0.28	125	5
L8500N 8300E	201 202	< 0.2	0.10	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.01	< 10	< 1	< 0.01	< 10	< 0.01	5	< 1
L8500N 8400E	201 202	< 0.2	4.07	14	100	< 0.5	< 2	0.04	< 0.5	6	8	26	4.29	10	< 1	0.10	< 10	0.60	210	1
L8600N 7800E	201 202	< 0.2	0.65	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	3	3	1.30	10	< 1	< 0.01	< 10	0.01	20	1
L8600N 7900E	201 202	< 0.2	0.30	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	3	< 1	0.12	10	< 1	0.01	< 10	0.01	15	2
L8600N 8000E	201 202	< 0.2	4.17	24	30	0.5	< 2	0.04	< 0.5	3	12	12	3.43	10	< 1	0.05	< 10	0.17	95	9
L8600N 8050E	201 202	< 0.2	0.13	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	1	0.22	< 10	< 1	0.01	< 10	< 0.01	5	< 1
L8600N 8100E	201 202	< 0.2	0.27	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	1	< 1	0.05	< 10	< 1	0.01	< 10	< 0.01	10	6
L8600N 8200E	201 202	< 0.2	0.73	10	10	< 0.5	< 2	0.04	< 0.5	1	5	4	2.06	10	< 1	0.05	< 10	0.20	105	4
L8600N 8300E	201 202	< 0.2	0.10	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	< 1	< 1	0.06	< 10	< 1	0.01	10	< 0.01	5	< 1
L8600N 8400E	201 202	< 0.2	0.10	< 2	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.03	< 10	< 1	< 0.01	< 10	< 0.01	15	1
L8700N 7700E	201 202	< 0.2	1.08	< 2	10	< 0.5	< 2	0.03	< 0.5	1	7	7	3.11	10	< 1	0.06	< 10	0.16	110	3
L8700N 7800E	201 202	< 0.2	0.80	< 2	< 10	< 0.5	< 2	0.01	< 0.5	1	6	8	3.19	10	< 1	0.01	< 10	0.04	35	4
L8700N 7900E	201 202	< 0.2	0.11	< 2	< 10	< 0.5	< 2	0.06	< 0.5	< 1	< 1	1	0.25	< 10	< 1	0.02	< 10	< 0.01	5	1
L8700N 8000E	201 202	< 0.2	0.59	< 2	10	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	1	1.46	< 10	< 1	0.04	< 10	0.06	55	4
L8700N 8100E	201 202	< 0.2	0.74	6	20	< 0.5	< 2	0.03	< 0.5	< 1	3	4	1.18	< 10	< 1	0.06	< 10	0.10	65	4
L8700N 8200E	201 202	< 0.2	0.15	< 2	20	< 0.5	< 2	< 0.01	< 0.5	< 1	< 1	< 1	0.07	< 10	< 1	0.01	10	0.02	20	< 1
L8700N 8300E	201 202	< 0.2	0.41	4	30	< 0.5	< 2	0.01	< 0.5	< 1	1	1	0.64	< 10	< 1	0.04	10	0.07	35	2
L8700N 8375E	201 202	< 0.2	0.57	8	30	< 0.5	< 2	0.03	< 0.5	1	2	3	1.19	< 10	< 1	0.03	< 10	0.16	30	2

CERTIFICATION:

Handwritten signature: Hans Bickel



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
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To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

Project: SUNSHINE COAST
 Comments: ATTN: ARND BURGERT CC: ARND BURGERT

Page Number :2-B
 Total Pages :2
 Certificate Date: 12-JUL-98
 Invoice No. :I9823569
 P.O. Number :
 Account :QHB

CERTIFICATE OF ANALYSIS A9823569

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L8400N 8100E	201 202	< 0.01	< 1	120	14	< 2	< 1	3	0.11	< 10	< 10	12	< 10	6
L8400N 8200E	201 202	< 0.01	< 1	200	4	< 2	1	4	0.05	< 10	< 10	15	< 10	14
L8400N 8300E	201 202	< 0.01	< 1	100	2	< 2	< 1	< 1	0.01	< 10	< 10	4	< 10	2
L8400N 8400E	201 202	< 0.01	< 1	120	< 2	< 2	2	1	0.13	< 10	< 10	116	< 10	10
L8500N 7725E	201 202	< 0.01	< 1	100	< 2	< 2	3	7	0.25	< 10	< 10	80	< 10	10
L8500N 7800E	201 202	< 0.01	< 1	60	< 2	< 2	4	< 1	0.06	< 10	< 10	25	< 10	10
L8500N 7900E	201 202	< 0.01	1	60	2	< 2	1	2	0.10	< 10	< 10	25	< 10	10
L8500N 8000E	201 202	< 0.01	< 1	40	8	< 2	< 1	1	0.12	< 10	< 10	18	< 10	4
L8500N 8100E	201 202	< 0.01	< 1	30	2	< 2	< 1	1	0.04	< 10	< 10	15	< 10	2
L8500N 8200E	201 202	< 0.01	1	130	8	< 2	3	7	0.08	< 10	< 10	52	< 10	26
L8500N 8300E	201 202	< 0.01	< 1	30	< 2	< 2	< 1	< 1	0.01	< 10	< 10	1	< 10	< 2
L8500N 8400E	201 202	< 0.01	3	130	4	< 2	7	8	0.26	< 10	< 10	139	< 10	38
L8600N 7800E	201 202	< 0.01	< 1	60	6	2	< 1	1	0.12	< 10	< 10	58	< 10	4
L8600N 7900E	201 202	< 0.01	< 1	60	12	< 2	< 1	2	0.16	< 10	< 10	16	< 10	2
L8600N 8000E	201 202	< 0.01	1	120	6	< 2	4	6	0.15	< 10	< 10	58	< 10	22
L8600N 8050E	201 202	< 0.01	< 1	150	2	< 2	< 1	< 1	0.01	< 10	< 10	6	< 10	6
L8600N 8100E	201 202	< 0.01	< 1	60	10	< 2	< 1	3	0.06	< 10	< 10	6	< 10	2
L8600N 8200E	201 202	< 0.01	1	30	10	< 2	1	< 1	0.19	< 10	< 10	71	< 10	16
L8600N 8300E	201 202	< 0.01	< 1	130	2	< 2	< 1	2	0.01	< 10	< 10	3	< 10	6
L8600N 8400E	201 202	< 0.01	< 1	90	2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2
L8700N 7700E	201 202	< 0.01	1	90	4	< 2	1	2	0.20	< 10	< 10	67	< 10	18
L8700N 7800E	201 202	< 0.01	< 1	110	10	< 2	< 1	1	0.33	< 10	< 10	151	< 10	6
L8700N 7900E	201 202	< 0.01	< 1	220	2	< 2	< 1	4	< 0.01	< 10	< 10	5	< 10	6
L8700N 8000E	201 202	< 0.01	< 1	70	6	< 2	< 1	2	0.04	< 10	< 10	12	< 10	8
L8700N 8100E	201 202	< 0.01	1	70	6	< 2	1	1	0.07	< 10	< 10	23	< 10	12
L8700N 8200E	201 202	< 0.01	< 1	120	2	< 2	< 1	1	< 0.01	< 10	< 10	3	< 10	< 2
L8700N 8300E	201 202	< 0.01	< 1	40	4	< 2	< 1	4	0.05	< 10	< 10	30	< 10	6
L8700N 8375E	201 202	< 0.01	< 1	120	4	< 2	2	3	0.14	< 10	< 10	100	< 10	6

CERTIFICATION:

Handwritten signature: Hank Riddle



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project: SUNSHINE COAST
Comments: ATT:ARND BURGERT CC:ARND BURGERT

Page Number :1-A
Total Pages :1
Certificate Date:24-JUL-98
Invoice No. :I9824806
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A9824806

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
S10	201 202	< 0.2	0.41	48	10	< 0.5	< 2	< 0.01	< 0.5	< 1	1	10	7.31	< 10	< 1	0.06	< 10	0.15	75	5
S11	201 202	0.2	3.51	< 2	160	< 0.5	< 2	0.06	< 0.5	3	31	84	4.85	10	< 1	0.42	< 10	1.89	320	9
S12	201 202	< 0.2	2.38	< 2	230	< 0.5	< 2	0.03	< 0.5	1	14	40	4.20	< 10	< 1	0.97	< 10	1.82	325	3
S13	201 202	0.2	3.50	< 2	260	< 0.5	< 2	0.06	< 0.5	3	28	66	4.38	< 10	< 1	0.88	< 10	2.08	465	5
S14	201 202	< 0.2	4.12	< 2	20	< 0.5	< 2	0.07	< 0.5	4	14	16	2.43	< 10	< 1	0.10	< 10	0.32	215	4
S15	201 202	< 0.2	1.88	14	50	< 0.5	2	0.05	< 0.5	4	10	16	4.58	< 10	1	0.13	< 10	0.50	190	17
S16	201 202	0.2	4.47	36	40	0.5	< 2	0.01	< 0.5	3	17	16	12.05	10	< 1	0.13	< 10	0.34	125	4
S17	201 202	0.2	3.96	12	30	< 0.5	< 2	0.06	< 0.5	3	15	18	3.55	10	< 1	0.05	< 10	0.22	105	2
S18	201 202	< 0.2	7.57	4	40	0.5	< 2	0.04	< 0.5	6	16	26	3.82	< 10	< 1	0.07	< 10	0.41	180	8
S19	201 202	< 0.2	4.77	2	70	0.5	< 2	0.10	< 0.5	9	23	31	3.58	< 10	< 1	0.20	< 10	0.70	345	8
S20	201 202	< 0.2	2.29	20	70	< 0.5	< 2	0.11	< 0.5	14	7	17	2.77	< 10	< 1	0.16	< 10	0.39	610	7
S21	201 202	0.2	3.28	4	230	< 0.5	< 2	0.94	< 0.5	4	23	57	5.38	< 10	< 1	0.69	< 10	1.25	550	32
S22	201 202	< 0.2	5.89	< 2	60	< 0.5	< 2	0.07	< 0.5	4	21	35	4.72	10	1	0.09	< 10	0.40	145	6
S23	201 202	0.4	4.19	< 2	80	< 0.5	< 2	0.12	< 0.5	18	10	29	4.52	< 10	2	0.12	< 10	0.75	680	3

CERTIFICATION: *Hart Biddle*



Chemex Labs Ltd.

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To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project : SUNSHINE COAST
Comments: ATT:ARND BURGERT CC:ARND BURGERT

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Invoice No. :I9824806
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CERTIFICATE OF ANALYSIS

A9824806

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S10	201 202	< 0.01	< 1	360	8	< 2	< 1	2	0.01	< 10	< 10	15	< 10	8
S11	201 202	< 0.01	7	600	< 2	< 2	9	6	0.18	< 10	< 10	133	< 10	56
S12	201 202	0.01	4	580	< 2	< 2	11	5	0.17	< 10	< 10	132	< 10	40
S13	201 202	< 0.01	7	510	< 2	< 2	13	9	0.22	< 10	< 10	154	< 10	88
S14	201 202	< 0.01	5	270	10	< 2	4	3	0.14	< 10	< 10	46	< 10	36
S15	201 202	< 0.01	4	220	8	2	4	3	0.15	< 10	< 10	82	< 10	36
S16	201 202	< 0.01	5	420	2	< 2	5	3	0.18	< 10	< 10	89	< 10	38
S17	201 202	< 0.01	3	200	< 2	< 2	3	4	0.19	< 10	< 10	82	< 10	26
S18	201 202	< 0.01	4	420	2	< 2	7	3	0.16	< 10	< 10	68	< 10	50
S19	201 202	< 0.01	10	380	< 2	< 2	5	6	0.20	< 10	< 10	92	< 10	84
S20	201 202	< 0.01	4	420	4	< 2	4	9	0.11	< 10	< 10	58	< 10	42
S21	201 202	0.07	5	450	< 2	2	19	71	0.14	< 10	< 10	154	< 10	56
S22	201 202	< 0.01	5	370	2	< 2	7	7	0.21	< 10	< 10	98	< 10	36
S23	201 202	< 0.01	4	440	< 2	< 2	5	8	0.28	< 10	< 10	126	< 10	80

CERTIFICATION:

Stark Biddle



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To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

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 Certificate Date: 26-AUG-1998
 Invoice No. : 19828381
 P.O. Number :
 Account : QHB

Project : SUNSHINE COAST
 Comments: ATTN:ARND BURGERT CC:ARND BURGERT

CERTIFICATE OF ANALYSIS A9828381

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
S24	201 229	0.2	1.71	< 2	10	< 0.5	< 2	0.04	< 0.5	< 1	6	10	0.44	< 10	< 1	0.02	< 10	0.05	15	1
S25	201 229	< 0.2	2.43	8	60	< 0.5	< 2	0.09	< 0.5	4	16	14	1.62	< 10	1	0.03	< 10	0.36	100	3
S26	201 229	< 0.2	1.26	6	10	< 0.5	< 2	0.03	< 0.5	3	21	10	3.35	10	< 1	0.02	< 10	0.07	50	7
S27	201 229	0.2	2.77	10	60	< 0.5	< 2	0.11	< 0.5	5	15	18	2.47	10	< 1	0.12	< 10	0.46	140	7
S28	201 229	0.2	3.68	8	10	< 0.5	< 2	0.03	< 0.5	< 1	14	20	3.07	< 10	< 1	0.03	< 10	0.11	35	13
S29	201 229	< 0.2	0.71	2	50	< 0.5	< 2	0.06	< 0.5	< 1	10	9	2.03	< 10	< 1	0.05	< 10	0.09	60	4
S30	201 229	< 0.2	1.29	8	30	< 0.5	< 2	0.06	< 0.5	1	11	6	1.22	< 10	< 1	0.03	< 10	0.15	40	3
S31	201 229	< 0.2	1.30	< 2	60	< 0.5	< 2	0.11	< 0.5	3	9	16	2.59	< 10	< 1	0.07	< 10	0.26	80	17
S32	201 229	< 0.2	2.00	10	90	< 0.5	< 2	0.10	< 0.5	8	37	44	4.05	< 10	< 1	0.18	< 10	0.79	120	6
S33	201 229	< 0.2	0.93	< 2	30	< 0.5	< 2	0.13	< 0.5	3	23	13	3.72	10	< 1	0.06	< 10	0.28	65	6
S34	201 229	< 0.2	0.90	< 2	10	< 0.5	< 2	0.04	< 0.5	3	8	5	1.09	< 10	< 1	0.06	< 10	0.15	55	3
S35	201 229	< 0.2	1.66	8	40	< 0.5	< 2	0.04	< 0.5	7	13	5	4.12	10	< 1	0.13	< 10	0.51	130	9
S36	201 229	< 0.2	1.19	64	30	< 0.5	< 2	0.06	< 0.5	2	11	6	2.08	10	< 1	0.03	< 10	0.17	40	11
S37	201 229	< 0.2	1.20	22	10	< 0.5	< 2	0.05	< 0.5	< 1	14	20	13.25	10	< 1	0.02	< 10	0.01	15	17
S38	201 229	< 0.2	1.10	12	10	< 0.5	< 2	0.05	< 0.5	3	10	15	5.40	< 10	< 1	0.03	< 10	0.08	35	11
S39	201 229	< 0.2	1.35	10	30	< 0.5	< 2	0.04	< 0.5	1	15	8	5.44	10	< 1	0.06	< 10	0.15	35	19
S40	201 229	< 0.2	1.27	8	10	< 0.5	< 2	0.06	< 0.5	3	10	7	1.60	10	< 1	0.04	< 10	0.15	50	14
S41	201 229	< 0.2	1.59	< 2	40	< 0.5	< 2	0.03	< 0.5	3	9	9	1.34	10	< 1	0.07	< 10	0.22	55	7
S42	201 229	< 0.2	1.67	10	30	< 0.5	< 2	0.07	< 0.5	4	14	9	3.90	10	< 1	0.08	< 10	0.37	110	7
S43	201 229	< 0.2	1.99	14	10	< 0.5	< 2	0.05	< 0.5	3	12	9	2.69	< 10	< 1	0.03	< 10	0.25	65	3
S44	201 229	0.2	1.69	< 2	10	< 0.5	< 2	0.04	< 0.5	2	8	35	1.81	< 10	< 1	0.05	< 10	0.15	40	7
S45	201 229	< 0.2	0.75	2	10	< 0.5	< 2	0.06	< 0.5	< 1	9	5	0.85	< 10	< 1	0.03	< 10	0.01	5	16
S46	201 229	< 0.2	1.84	8	10	< 0.5	< 2	0.07	< 0.5	1	51	14	5.15	10	< 1	0.03	< 10	0.41	90	34

CERTIFICATION: *H. R. D. Lee*



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To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 26-AUG-1998
 Invoice No. : I9828381
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 Account : QHB

Project : SUNSHINE COAST
 Comments: ATTN:ARND BURGERT CC:ARND BURGERT

CERTIFICATE OF ANALYSIS A9828381

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S24	201 229	< 0.01	1	780	4	< 2	< 1	5	0.05	< 10	< 10	14	< 10	10
S25	201 229	< 0.01	4	410	8	< 2	2	13	0.18	< 10	< 10	67	< 10	22
S26	201 229	< 0.01	2	220	6	< 2	1	4	0.29	< 10	< 10	155	< 10	12
S27	201 229	< 0.01	5	510	10	< 2	3	16	0.19	< 10	< 10	57	< 10	26
S28	201 229	< 0.01	1	630	10	< 2	1	5	0.12	< 10	< 10	67	< 10	18
S29	201 229	< 0.01	< 1	580	8	< 2	1	6	0.13	< 10	< 10	77	< 10	14
S30	201 229	< 0.01	2	430	6	< 2	1	8	0.11	< 10	< 10	45	< 10	12
S31	201 229	0.01	3	570	4	< 2	1	14	0.12	< 10	< 10	43	< 10	18
S32	201 229	0.01	8	170	< 2	< 2	3	12	0.26	< 10	< 10	111	< 10	30
S33	201 229	< 0.01	< 1	200	2	< 2	2	5	0.32	< 10	< 10	180	< 10	16
S34	201 229	< 0.01	1	540	12	< 2	1	3	0.22	< 10	< 10	49	< 10	14
S35	201 229	< 0.01	3	220	8	< 2	3	5	0.41	< 10	< 10	165	< 10	30
S36	201 229	< 0.01	1	240	10	< 2	1	10	0.28	< 10	< 10	74	< 10	14
S37	201 229	< 0.01	< 1	600	6	< 2	1	5	0.26	< 10	< 10	176	< 10	18
S38	201 229	< 0.01	1	420	6	< 2	1	10	0.12	< 10	< 10	87	< 10	12
S39	201 229	< 0.01	1	270	12	< 2	2	4	0.20	< 10	< 10	201	< 10	14
S40	201 229	< 0.01	3	180	16	< 2	1	8	0.32	< 10	< 10	79	< 10	14
S41	201 229	< 0.01	1	200	20	2	1	5	0.21	< 10	< 10	54	< 10	16
S42	201 229	< 0.01	3	150	12	< 2	1	10	0.26	< 10	< 10	96	< 10	20
S43	201 229	< 0.01	3	420	10	< 2	2	7	0.14	< 10	< 10	70	< 10	14
S44	201 229	< 0.01	3	570	6	< 2	< 1	6	0.07	< 10	< 10	31	< 10	16
S45	201 229	< 0.01	< 1	660	6	< 2	< 1	6	0.08	< 10	< 10	19	< 10	8
S46	201 229	< 0.01	1	290	6	< 2	1	3	0.29	< 10	< 10	196	< 10	16

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

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

To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 16-SEP-1998
 Invoice No. : 19830818
 P.O. Number :
 Account : QHB

Project: SUNSHINE COAST
 Comments: ATTN:ARND BURGERT CC:A.BURGERT

CERTIFICATE OF ANALYSIS

A9830818

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
S47	201	229	< 0.2	0.62	< 2	30	< 0.5	2	0.04	< 0.5	< 1	5	5	0.68	< 10	< 1	0.05	< 10	0.08	25	6
S48	201	229	< 0.2	1.17	6	20	< 0.5	< 2	0.05	< 0.5	1	16	11	2.45	< 10	< 1	0.04	< 10	0.16	45	9
S49	201	229	< 0.2	2.10	10	150	< 0.5	< 2	0.33	< 0.5	10	32	26	3.76	< 10	< 1	0.24	< 10	0.95	270	12
S50	201	229	< 0.2	1.83	< 2	20	< 0.5	6	0.04	< 0.5	< 1	17	13	5.26	< 10	< 1	0.02	< 10	0.13	50	9
S51	201	229	< 0.2	2.15	< 2	< 10	< 0.5	< 2	0.08	< 0.5	6	87	16	3.97	< 10	< 1	< 0.01	< 10	1.46	70	9
S52	201	229	< 0.2	0.65	2	10	< 0.5	2	0.04	< 0.5	< 1	6	4	1.00	< 10	< 1	0.04	< 10	0.11	35	6
S53	201	229	< 0.2	1.76	10	80	< 0.5	< 2	0.48	< 0.5	10	24	17	2.39	< 10	< 1	0.16	< 10	0.54	335	6
S54	201	229	< 0.2	0.77	< 2	10	< 0.5	< 2	0.05	< 0.5	< 1	9	6	0.52	< 10	< 1	0.20	< 10	0.08	35	< 1
S55	201	229	< 0.2	2.00	14	100	< 0.5	2	0.53	< 0.5	15	29	21	2.90	< 10	< 1	0.32	< 10	0.68	530	7
S56	201	229	< 0.2	1.18	4	30	< 0.5	2	0.13	< 0.5	3	10	6	2.31	< 10	< 1	0.07	< 10	0.42	125	6
S57	201	229	< 0.2	1.44	< 2	30	< 0.5	< 2	0.08	< 0.5	2	12	11	1.55	< 10	< 1	0.06	< 10	0.42	70	13
S58	201	229	< 0.2	1.39	< 2	50	< 0.5	< 2	0.13	< 0.5	1	4	23	5.34	< 10	< 1	0.06	< 10	0.22	75	9
S59	201	229	< 0.2	1.26	< 2	10	< 0.5	< 2	0.07	< 0.5	< 1	5	8	2.56	< 10	< 1	0.03	< 10	0.20	70	8
S60	201	229	< 0.2	0.49	< 2	20	< 0.5	< 2	0.10	< 0.5	4	17	8	>15.00	< 10	< 1	0.09	< 10	0.12	160	13
S61	201	229	< 0.2	1.36	2	80	< 0.5	< 2	0.01	< 0.5	< 1	5	4	1.59	< 10	< 1	0.28	< 10	0.82	285	16
S62	201	229	< 0.2	1.70	12	50	< 0.5	2	< 0.01	< 0.5	< 1	4	12	3.96	< 10	< 1	0.17	< 10	0.32	160	9
S63	201	229	< 0.2	2.11	12	80	< 0.5	< 2	0.04	< 0.5	4	7	14	2.30	< 10	< 1	0.28	< 10	0.38	415	5
S64	201	229	< 0.2	2.07	26	60	< 0.5	< 2	0.05	< 0.5	6	6	12	2.23	< 10	< 1	0.25	< 10	0.43	485	3
S65	201	229	< 0.2	0.18	< 2	< 10	< 0.5	2	< 0.01	< 0.5	< 1	< 1	< 1	0.13	< 10	< 1	< 0.01	< 10	< 0.01	30	< 1
S66	201	229	< 0.2	4.01	12	10	< 0.5	< 2	0.03	< 0.5	< 1	13	10	4.34	< 10	< 1	0.04	< 10	0.12	70	4
S67	201	229	< 0.2	0.27	< 2	< 10	< 0.5	< 2	0.01	< 0.5	< 1	2	< 1	0.22	< 10	< 1	0.01	< 10	0.03	25	< 1
S68	201	229	< 0.2	0.71	4	50	< 0.5	4	< 0.01	< 0.5	< 1	1	1	1.94	< 10	< 1	0.11	< 10	0.23	75	3
S69	201	229	< 0.2	1.46	< 2	40	< 0.5	< 2	0.10	< 0.5	3	14	15	1.26	< 10	< 1	0.15	< 10	0.42	260	6
S70	201	229	< 0.2	1.80	< 2	< 10	< 0.5	< 2	0.02	< 0.5	1	28	8	6.53	20	< 1	0.01	< 10	0.08	60	3
S71	201	229	< 0.2	1.89	< 2	110	< 0.5	< 2	0.05	< 0.5	8	31	11	2.97	< 10	< 1	0.37	< 10	0.94	520	2
S72	201	229	< 0.1	1.81	14	170	< 0.5	< 2	0.16	< 0.5	9	9	15	3.46	< 10	< 1	0.77	< 10	0.92	595	3
S73	201	229	< 0.2	1.81	40	230	< 0.5	< 2	0.15	< 0.5	7	9	18	2.83	< 10	< 1	0.60	< 10	0.66	325	1
S74	201	229	< 0.2	1.52	750	200	< 0.5	< 2	0.11	< 0.5	4	7	19	11.45	< 10	< 1	0.44	< 10	0.46	215	4
S75	201	229	< 0.2	1.96	20	160	< 0.5	< 2	0.10	< 0.5	5	8	17	2.07	< 10	< 1	0.40	< 10	0.59	270	4
S76	201	229	< 0.2	1.35	18	50	< 0.5	2	0.02	< 0.5	1	6	4	1.50	< 10	< 1	0.12	< 10	0.32	135	1
S77	201	229	< 0.2	0.33	< 2	30	< 0.5	< 2	0.06	< 0.5	< 1	1	2	0.35	< 10	< 1	0.01	< 10	0.03	20	2
S78	201	229	< 0.2	2.08	6	50	< 0.5	< 2	0.06	< 0.5	3	11	9	2.64	< 10	< 1	0.17	< 10	0.41	185	3
S79	201	229	< 0.2	0.98	< 2	< 10	< 0.5	< 2	0.02	< 0.5	< 1	5	4	1.85	< 10	< 1	0.01	< 10	0.03	30	4
S80	201	229	< 0.2	0.32	< 2	< 10	< 0.5	< 2	0.04	< 0.5	< 1	4	< 1	0.52	< 10	< 1	0.03	< 10	0.04	55	< 1

CERTIFICATION: *Huttkühler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project : SUNSHINE COAST
Comments: ATTN:ARND BURGERT CC:A.BURGERT

Page Number :1-B
Total Pages :1
Certificate Date: 16-SEP-1998
Invoice No. :19830818
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A9830818

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S47	201 229	< 0.01	1	380	10	< 2	< 1	4	0.14	< 10	< 10	38	< 10	8
S48	201 229	< 0.01	3	230	6	< 2	1	3	0.18	< 10	< 10	99	< 10	10
S49	201 229	0.03	8	350	12	< 2	2	38	0.20	< 10	< 10	94	< 10	46
S50	201 229	< 0.01	3	140	6	< 2	1	4	0.30	< 10	< 10	151	< 10	8
S51	201 229	< 0.01	11	150	< 2	< 2	3	1	0.32	< 10	< 10	179	< 10	26
S52	201 229	< 0.01	1	140	18	< 2	< 1	5	0.28	< 10	< 10	58	< 10	8
S53	201 229	< 0.01	9	580	10	< 2	2	19	0.14	< 10	< 10	75	< 10	34
S54	201 229	< 0.01	1	180	6	< 2	1	3	0.17	< 10	< 10	53	< 10	6
S55	201 229	0.01	9	590	12	2	3	24	0.17	< 10	< 10	96	< 10	44
S56	201 229	< 0.01	4	230	10	< 2	1	11	0.31	< 10	< 10	94	< 10	22
S57	201 229	< 0.01	5	180	10	< 2	2	5	0.33	< 10	< 10	70	< 10	18
S58	201 229	< 0.01	1	200	2	2	1	9	0.24	< 10	< 10	89	< 10	10
S59	201 229	< 0.01	1	300	10	< 2	2	3	0.30	< 10	< 10	127	< 10	14
S60	201 229	< 0.01	2	220	8	< 2	1	5	0.05	< 10	< 10	79	< 10	20
S61	201 229	< 0.01	< 1	260	< 2	< 2	6	2	0.08	< 10	< 10	53	< 10	34
S62	201 229	< 0.01	1	210	6	< 2	4	3	0.20	< 10	< 10	76	< 10	22
S63	201 229	< 0.01	2	440	< 2	< 2	4	6	0.12	< 10	< 10	54	< 10	38
S64	201 229	< 0.01	3	230	2	< 2	4	6	0.13	< 10	< 10	48	< 10	34
S65	201 229	< 0.01	< 1	50	< 2	< 2	< 1	1	< 0.01	< 10	< 10	1	< 10	< 2
S66	201 229	< 0.01	1	150	2	< 2	4	1	0.18	< 10	< 10	88	< 10	10
S67	201 229	< 0.01	< 1	80	< 2	< 2	< 1	1	0.05	< 10	< 10	14	< 10	< 2
S68	201 229	< 0.01	< 1	60	< 2	< 2	1	< 1	0.13	< 10	< 10	56	< 10	12
S69	201 229	< 0.01	3	290	4	< 2	2	5	0.13	< 10	< 10	47	< 10	40
S70	201 229	< 0.01	2	190	6	< 2	1	1	0.21	< 10	< 10	202	< 10	6
S71	201 229	< 0.01	10	660	< 2	2	3	5	0.16	< 10	< 10	76	< 10	48
S72	201 229	< 0.01	4	610	< 2	< 2	6	8	0.16	< 10	< 10	70	< 10	56
S73	201 229	0.01	5	480	2	< 2	5	11	0.14	< 10	< 10	61	< 10	58
S74	201 229	0.01	4	430	6	< 2	4	8	0.12	< 10	< 10	54	< 10	50
S75	201 229	< 0.01	4	320	< 2	< 2	5	9	0.13	< 10	< 10	52	< 10	64
S76	201 229	< 0.01	1	190	6	< 2	3	4	0.13	< 10	< 10	48	< 10	28
S77	201 229	< 0.01	< 1	200	4	< 2	< 1	7	0.05	< 10	< 10	10	< 10	2
S78	201 229	< 0.01	1	230	2	< 2	3	4	0.15	< 10	< 10	73	< 10	28
S79	201 229	< 0.01	1	120	< 2	< 2	< 1	2	0.17	< 10	< 10	64	< 10	2
S80	201 229	< 0.01	< 1	110	2	< 2	< 1	3	0.11	< 10	< 10	33	< 10	2

CERTIFICATION:

Hartfelder



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project : SUNSHINE COAST
Comments: CC: ARND BURGERT

Page Number : 1-A
Total Pages : 2
Certificate Date: 02-OCT-1998
Invoice No. : 19832053
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS

A9832053

SAMPLE	PREP	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
S81	201 229	0.2	1.94	32	230	< 0.5	< 2	0.88	< 0.5	10	34	134	2.50	< 10	< 1	0.12	< 10	0.64	170	4
S82	201 229	0.2	2.10	32	210	< 0.5	< 2	0.94	< 0.5	10	29	139	2.52	< 10	< 1	0.12	< 10	0.61	165	3
S83	201 229	0.2	2.14	26	240	< 0.5	< 2	0.81	< 0.5	10	30	154	2.76	< 10	1	0.13	< 10	0.62	170	3
S84	201 229	0.6	2.25	78	240	< 0.5	< 2	0.67	< 0.5	8	27	171	3.80	< 10	< 1	0.16	< 10	0.55	135	3
S85	201 229	0.4	3.43	76	190	< 0.5	< 2	0.51	< 0.5	10	36	187	3.25	< 10	< 1	0.08	< 10	0.74	110	6
S86	201 229	0.2	2.19	46	410	< 0.5	< 2	0.24	< 0.5	10	49	133	3.26	< 10	< 1	0.16	< 10	0.90	165	2
S87	201 229	< 0.2	2.29	48	220	< 0.5	< 2	0.30	< 0.5	12	30	134	3.06	< 10	< 1	0.17	< 10	0.79	245	< 1
S88	201 229	0.2	2.58	6	1160	< 0.5	< 2	0.35	< 0.5	23	51	158	3.70	< 10	< 1	0.71	< 10	1.51	280	1
S89	201 229	0.6	2.91	20	1230	< 0.5	< 2	0.33	< 0.5	13	71	232	4.89	< 10	< 1	0.41	< 10	1.41	195	6
S90	201 229	1.2	3.26	32	130	< 0.5	< 2	0.07	< 0.5	4	67	107	4.89	10	< 1	0.05	< 10	1.53	210	4
S91	201 229	2.0	3.03	20	1030	< 0.5	< 2	0.44	1.0	10	76	116	4.29	< 10	< 1	0.40	< 10	1.08	375	13
S92	201 229	1.2	3.09	58	720	< 0.5	< 2	0.57	1.5	43	42	512	6.44	< 10	< 1	0.23	< 10	1.13	330	5
S93	201 229	0.6	3.35	38	190	< 0.5	< 2	0.52	< 0.5	10	53	138	3.95	< 10	< 1	0.15	< 10	0.81	175	7
S94	201 229	0.4	2.83	140	870	0.5	< 2	0.27	< 0.5	42	68	71	3.79	< 10	< 1	0.30	< 10	0.93	730	3
S95	201 229	0.8	4.76	108	170	1.0	< 2	0.21	< 0.5	17	47	64	4.41	< 10	< 1	0.17	< 10	0.81	410	3
S96	201 229	0.2	4.00	40	350	< 0.5	< 2	0.49	< 0.5	27	42	182	4.81	< 10	< 1	0.91	< 10	1.27	500	3
S97	201 229	< 0.2	4.72	6	140	< 0.5	< 2	0.15	< 0.5	21	9	47	5.59	10	< 1	0.30	< 10	2.21	1025	< 1
S98	201 229	0.2	2.78	16	60	< 0.5	< 2	0.21	< 0.5	9	26	32	3.97	< 10	< 1	0.15	< 10	0.85	250	1
S99	201 229	< 0.2	0.21	< 2	10	< 0.5	< 2	0.30	< 0.5	1	2	5	0.11	< 10	< 1	0.04	< 10	0.06	5	< 1
S100	201 229	0.2	2.75	14	190	< 0.5	< 2	0.21	< 0.5	28	49	34	4.24	< 10	< 1	0.40	< 10	0.78	1095	1
S101	201 229	< 0.2	2.25	18	160	< 0.5	< 2	0.06	< 0.5	11	48	31	4.01	< 10	< 1	0.59	< 10	0.71	410	< 1
S102	201 229	0.2	2.49	18	190	< 0.5	< 2	0.20	< 0.5	18	50	37	3.99	< 10	< 1	0.60	< 10	0.77	605	1
S103	201 229	< 0.2	2.94	30	120	0.5	< 2	0.04	< 0.5	11	60	41	4.67	10	< 1	0.28	< 10	0.74	300	1
S104	201 229	0.2	2.40	16	130	< 0.5	< 2	0.09	< 0.5	15	42	28	4.15	< 10	< 1	0.30	< 10	0.67	915	< 1
S105	201 229	0.2	3.36	24	150	0.5	< 2	0.12	< 0.5	27	62	40	4.97	10	< 1	0.31	< 10	0.90	675	< 1
S106	201 229	< 0.2	3.45	24	110	0.5	< 2	0.05	< 0.5	8	34	36	4.82	10	< 1	0.23	< 10	0.71	210	< 1
S107	201 229	< 0.2	2.70	22	190	< 0.5	< 2	0.19	< 0.5	15	35	31	4.08	< 10	< 1	0.19	< 10	0.80	800	1
S108	201 229	< 0.2	3.68	10	230	< 0.5	< 2	0.23	< 0.5	19	6	39	4.34	< 10	< 1	0.51	< 10	1.40	615	< 1
S109	201 229	0.2	6.08	14	230	< 0.5	< 2	1.05	< 0.5	20	9	41	4.54	10	< 1	0.55	< 10	2.39	745	< 1
S110	201 229	< 0.2	3.89	< 2	250	< 0.5	< 2	0.29	< 0.5	15	7	27	4.89	10	< 1	0.18	< 10	1.47	480	< 1
S111	201 229	0.2	3.81	< 2	200	< 0.5	< 2	0.17	< 0.5	19	6	39	5.18	10	< 1	0.26	< 10	1.22	700	< 1
S112	201 229	< 0.2	1.61	6	50	< 0.5	< 2	0.08	< 0.5	5	4	18	3.79	10	< 1	0.06	< 10	0.46	120	< 1
S113	201 229	0.2	3.41	22	140	< 0.5	< 2	0.19	< 0.5	12	6	32	4.12	10	< 1	0.26	< 10	1.19	315	< 1
S114	201 229	< 0.2	3.17	2	290	< 0.5	< 2	0.43	< 0.5	15	6	41	3.60	10	< 1	0.61	< 10	1.87	320	< 1
S115	201 229	< 0.2	3.65	< 2	200	< 0.5	< 2	0.32	< 0.5	17	4	34	4.03	10	< 1	0.62	< 10	1.76	735	< 1
S116	201 229	< 0.2	3.00	< 2	160	< 0.5	< 2	0.15	< 0.5	12	5	21	3.76	10	< 1	0.31	< 10	1.26	310	< 1
S117	201 229	< 0.2	3.30	2	110	< 0.5	< 2	0.15	< 0.5	9	3	25	3.73	10	< 1	0.17	< 10	1.30	220	< 1
S118	201 229	< 0.2	2.92	16	60	< 0.5	< 2	0.04	< 0.5	6	57	42	4.94	10	< 1	0.17	< 10	0.56	150	1
S119	201 229	< 0.2	2.90	12	80	0.5	< 2	0.05	< 0.5	7	56	49	5.31	10	< 1	0.20	< 10	0.40	155	1
S120	201 229	0.2	4.07	10	130	0.5	< 2	0.08	< 0.5	13	81	55	5.42	10	< 1	0.33	< 10	0.84	270	< 1

A

B

CERTIFICATION: *H. K. De...*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project: SUNSHINE COAST
Comments: CC: ARND BURGERT

Page Number :1-B
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Certificate Date: 02-OCT-1998
Invoice No. :19832053
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS

A9832053

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S81	201 229	0.11	22	610	2	< 2	4	36	0.16	< 10	< 10	63	< 10	30
S82	201 229	0.13	21	630	< 2	< 2	4	47	0.18	< 10	< 10	62	< 10	26
S83	201 229	0.10	22	700	< 2	< 2	4	40	0.17	< 10	< 10	63	< 10	28
S84	201 229	0.03	16	780	24	< 2	3	28	0.18	< 10	< 10	66	< 10	30
S85	201 229	0.03	22	740	2	< 2	2	33	0.14	< 10	< 10	69	10	32
S86	201 229	0.03	18	520	6	< 2	4	13	0.14	< 10	< 10	65	< 10	30
S87	201 229	0.01	19	670	6	< 2	3	10	0.23	< 10	< 10	78	< 10	52
S88	201 229	0.01	42	690	4	< 2	4	27	0.25	< 10	< 10	90	< 10	52
S89	201 229	0.03	36	860	6	< 2	6	26	0.24	< 10	< 10	118	< 10	54
S90	201 229	< 0.01	12	320	8	< 2	8	6	0.17	< 10	< 10	105	< 10	56
S91	201 229	0.01	30	1200	10	< 2	7	23	0.20	< 10	< 10	147	< 10	136
S92	201 229	0.02	56	690	2	< 2	3	17	0.15	< 10	< 10	76	< 10	292
S93	201 229	0.01	20	1140	4	< 2	5	21	0.18	< 10	< 10	131	< 10	76
S94	201 229	0.01	36	1010	16	< 2	6	28	0.14	< 10	< 10	77	< 10	70
S95	201 229	< 0.01	37	890	< 2	< 2	7	14	0.16	< 10	< 10	90	< 10	124
S96	201 229	0.01	51	840	2	< 2	10	26	0.28	< 10	< 10	121	< 10	104
S97	201 229	< 0.01	8	140	< 2	< 2	15	8	0.32	< 10	< 10	194	< 10	126
S98	201 229	0.01	11	160	6	< 2	5	12	0.26	< 10	< 10	117	< 10	42
S99	201 229	0.01	3	420	< 2	< 2	< 1	22	< 0.01	< 10	< 10	2	< 10	20
S100	201 229	0.01	32	680	< 2	< 2	8	15	0.16	< 10	< 10	73	< 10	114
S101	201 229	< 0.01	24	880	2	< 2	7	11	0.15	< 10	< 10	70	< 10	72
S102	201 229	0.01	31	690	2	< 2	7	14	0.14	< 10	< 10	62	< 10	108
S103	201 229	< 0.01	32	390	< 2	< 2	9	9	0.19	< 10	< 10	103	< 10	84
S104	201 229	< 0.01	17	630	2	< 2	6	15	0.14	< 10	< 10	92	< 10	68
S105	201 229	< 0.01	35	530	2	< 2	10	14	0.18	< 10	< 10	107	< 10	120
S106	201 229	< 0.01	14	430	2	< 2	9	10	0.20	< 10	< 10	106	< 10	64
S107	201 229	0.01	20	680	2	< 2	8	26	0.15	< 10	< 10	95	< 10	68
S108	201 229	0.03	7	480	< 2	< 2	13	16	0.21	< 10	< 10	125	< 10	102
S109	201 229	0.24	6	390	12	< 2	16	75	0.25	< 10	< 10	156	< 10	86
S110	201 229	0.03	6	290	< 2	< 2	12	22	0.29	< 10	< 10	147	< 10	72
S111	201 229	< 0.01	5	430	< 2	< 2	10	10	0.28	< 10	< 10	153	< 10	78
S112	201 229	< 0.01	3	420	4	< 2	5	6	0.34	< 10	< 10	189	< 10	30
S113	201 229	0.03	4	340	2	< 2	12	12	0.27	< 10	< 10	155	< 10	56
S114	201 229	0.05	3	520	< 2	< 2	13	20	0.19	< 10	< 10	138	< 10	62
S115	201 229	0.07	3	540	< 2	< 2	12	20	0.23	< 10	< 10	126	< 10	74
S116	201 229	0.01	3	410	< 2	< 2	10	13	0.26	< 10	< 10	125	< 10	68
S117	201 229	0.04	2	120	< 2	< 2	11	17	0.25	< 10	< 10	140	< 10	46
S118	201 229	< 0.01	18	240	4	< 2	8	4	0.26	< 10	< 10	134	< 10	58
S119	201 229	< 0.01	24	430	4	< 2	7	8	0.20	< 10	< 10	110	< 10	60
S120	201 229	< 0.01	47	610	2	< 2	11	8	0.25	< 10	< 10	123	< 10	102

CERTIFICATION:

Hart Riehlen



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: BURGERT, ARND

242 BOYNE STREET
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V3M 5J8

Project : SUNSHINE COAST
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Account :QHB

CERTIFICATE OF ANALYSIS

A9832053

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
S121	201 229	< 0.2	4.84	16	190	0.5	< 2	0.05	< 0.5	19	59	112	4.92	10	< 1	0.46	10	0.93	355	1
S122	201 229	< 0.2	2.53	12	100	< 0.5	< 2	0.07	< 0.5	13	23	33	2.69	< 10	< 1	0.32	10	0.49	345	< 1
S123	201 229	< 0.2	3.80	18	130	0.5	< 2	0.07	< 0.5	10	74	71	5.16	10	< 1	0.28	< 10	0.83	280	1
S124	201 229	< 0.2	3.32	28	220	0.5	< 2	0.17	< 0.5	21	50	60	4.72	< 10	< 1	0.67	< 10	0.92	770	1
S125	201 229	< 0.2	3.33	18	90	< 0.5	< 2	0.04	< 0.5	8	70	48	5.04	10	< 1	0.25	< 10	0.68	210	< 1
S126	201 229	< 0.2	3.33	40	100	< 0.5	< 2	0.05	< 0.5	13	71	78	4.91	10	< 1	0.22	< 10	0.78	265	1
S127	201 229	0.2	2.58	42	80	< 0.5	< 2	0.04	< 0.5	7	46	28	4.18	10	< 1	0.17	< 10	0.53	170	< 1
S128	201 229	0.2	4.56	42	170	0.5	< 2	0.08	< 0.5	26	56	99	4.58	10	< 1	0.41	< 10	0.99	825	2
S129	201 229	< 0.2	3.57	46	130	0.5	< 2	0.06	< 0.5	16	61	83	5.18	10	< 1	0.24	< 10	0.79	265	1
S130	201 229	< 0.2	1.78	12	100	< 0.5	< 2	0.02	< 0.5	2	16	17	4.78	< 10	< 1	0.19	< 10	0.39	155	4
S131	201 229	< 0.2	2.58	18	140	< 0.5	< 2	0.08	< 0.5	4	8	21	4.74	< 10	< 1	0.29	< 10	0.52	335	< 1
S132	201 229	1.0	4.87	36	400	< 0.5	< 2	0.15	< 0.5	20	7	31	5.02	10	< 1	0.31	< 10	1.96	585	< 1
S133	201 229	0.6	5.18	16	200	< 0.5	< 2	0.44	< 0.5	37	7	55	4.35	10	< 1	0.19	< 10	2.02	885	< 1
S134	201 229	< 0.2	4.24	8	170	< 0.5	< 2	0.16	< 0.5	14	6	34	4.29	10	< 1	0.50	< 10	1.68	465	< 1
S135	201 229	< 0.2	3.41	< 2	110	< 0.5	< 2	0.13	< 0.5	15	7	30	4.65	10	< 1	0.19	< 10	1.17	620	< 1
S136	201 229	0.2	2.78	12	120	< 0.5	< 2	0.14	< 0.5	17	4	39	4.10	< 10	< 1	0.28	< 10	1.07	655	< 1

CERTIFICATION:

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Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
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To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project: SUNSHINE COAST
Comments: CC: ARND BURGERT

Page Number :2-B
Total Pages :2
Certificate Date: 02-OCT-1998
Invoice No. :19832053
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS

A9832053

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S121	201 229	< 0.01	64	360	4	< 2	11	19	0.23	< 10	< 10	98	< 10	134
S122	201 229	< 0.01	32	280	4	< 2	5	13	0.11	< 10	< 10	38	< 10	102
S123	201 229	< 0.01	35	520	2	< 2	11	10	0.22	< 10	< 10	108	< 10	98
S124	201 229	0.01	39	700	8	< 2	9	19	0.18	< 10	< 10	72	< 10	162
S125	201 229	< 0.01	31	510	6	< 2	9	8	0.20	< 10	< 10	112	< 10	78
S126	201 229	< 0.01	52	320	6	< 2	9	12	0.26	< 10	< 10	126	< 10	96
S127	201 229	< 0.01	24	390	2	< 2	7	6	0.23	< 10	< 10	106	< 10	54
S128	201 229	< 0.01	57	610	2	< 2	11	14	0.18	< 10	< 10	94	< 10	130
S129	201 229	< 0.01	54	380	6	< 2	9	16	0.21	< 10	< 10	113	< 10	106
S130	201 229	< 0.01	5	420	2	< 2	8	4	0.14	< 10	< 10	71	< 10	42
S131	201 229	< 0.01	7	310	2	< 2	5	76	0.14	< 10	< 10	71	< 10	62
S132	201 229	< 0.01	8	280	< 2	< 2	14	14	0.31	< 10	< 10	147	< 10	114
S133	201 229	0.06	5	320	6	< 2	15	34	0.24	< 10	< 10	132	< 10	108
S134	201 229	0.01	5	210	4	< 2	14	11	0.28	< 10	< 10	140	< 10	70
S135	201 229	< 0.01	6	360	2	< 2	9	9	0.31	< 10	< 10	173	< 10	66
S136	201 229	0.01	4	630	6	< 2	9	11	0.25	< 10	< 10	125	< 10	54

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[Handwritten Signature]



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

Project: SUNSHINE COAST
 Comments: ATTN: ARND BURGERT CC: ARND BURGERT

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 Invoice No. :I9823568
 P.O. Number :
 Account :QHB

CERTIFICATE OF ANALYSIS A9823568

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
B M500351	205	226	< 0.2	1.87	20	50	< 0.5	< 2	0.23	< 0.5	19	38	31	4.76	< 10	< 1	0.61	< 10	1.46	855	1
	205	226	0.2	1.73	12	10	< 0.5	< 2	0.21	< 0.5	30	29	140	7.49	< 10	1	0.08	< 10	1.11	420	4
	205	226	< 0.2	1.91	2	50	< 0.5	2	0.21	1.0	24	56	49	4.07	< 10	< 1	0.14	< 10	0.60	220	16
	205	226	0.2	1.22	< 2	20	< 0.5	< 2	0.03	< 0.5	22	48	72	3.96	< 10	1	0.12	< 10	0.71	500	6
	205	226	5.2	3.77	< 2	60	< 0.5	14	1.88	4.5	18	157	2900	3.57	< 10	< 1	0.18	< 10	0.38	450	1
D M500356	205	226	0.2	2.17	8	190	0.5	< 2	0.52	< 0.5	14	62	39	5.32	< 10	< 1	0.73	< 10	0.86	425	3
	205	226	< 0.2	0.91	6	110	< 0.5	< 2	0.19	< 0.5	8	76	53	3.88	< 10	< 1	0.25	< 10	0.84	185	17
	205	226	0.6	0.36	10	10	< 0.5	2	0.43	< 0.5	102	45	608	5.27	< 10	< 1	0.02	< 10	0.12	120	19

CERTIFICATION:

Hart Biddle



Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS

A9823568

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
M500351	205	226	0.03	3	710	10	< 2	6	8	0.04	< 10	< 10	71	< 10	82
M500352	205	226	0.07	12	460	8	< 2	< 1	17	< 0.01	< 10	< 10	15	< 10	44
M500353	205	226	0.04	6	910	2	2	1	12	< 0.01	< 10	< 10	13	< 10	114
M500354	205	226	0.04	6	30	< 2	2	< 1	7	< 0.01	< 10	< 10	11	< 10	70
M500355	205	226	0.28	2	280	2	< 2	2	82	0.04	< 10	< 10	34	< 10	308
M500356	205	226	0.10	13	610	< 2	< 2	6	32	0.17	< 10	< 10	76	< 10	70
M500357	205	226	0.01	20	460	6	< 2	20	11	0.19	< 10	< 10	183	< 10	60
M500358	205	226	0.04	38	1000	< 2	< 2	4	13	0.06	< 10	< 10	35	< 10	22

CERTIFICATION: H. M. P. 00



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Account : QHB

CERTIFICATE OF ANALYSIS A9824807

B

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
M500359	205 226	< 0.2	1.04	32	40	0.5	< 2	0.01	< 0.5	12	78	14	9.17	< 10	< 1	0.16	< 10	0.17	155	4
M500360	205 226	1.0	6.09	< 2	30	< 0.5	20	2.61	< 0.5	25	263	1140	9.73	10	1	1.35	< 10	1.57	410	19
M500361	205 226	0.2	6.66	< 2	80	0.5	2	1.62	< 0.5	21	84	1055	7.01	10	3	2.42	< 10	2.41	820	3
M500362	205 226	< 0.2	0.31	10	< 10	< 0.5	2	0.10	< 0.5	10	16	28	>15.00	< 10	3	0.03	< 10	0.06	540	2

CERTIFICATION:

Harri Biddle



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CERTIFICATE OF ANALYSIS

A9824807

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
M500359	205 226	0.03	7	50	< 2	< 2	1	5	< 0.01	< 10	< 10	14	< 10	28
M500360	205 226	0.47	26	1000	< 2	2	14	175	0.18	< 10	< 10	191	< 10	48
M500361	205 226	0.58	16	1050	< 2	< 2	20	173	0.30	< 10	< 10	184	< 10	74
M500362	205 226	0.01	4	30	6	2	< 1	3	0.01	< 10	< 10	20	< 10	24

B

CERTIFICATION:

Hart Biddle



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CERTIFICATE OF ANALYSIS A9828383

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
M500363	205 226	0.2	1.52	28	100	< 0.5	2	0.94	< 0.5	35	51	90	3.44	< 10	< 1	0.64	< 10	1.41	340	4
M500364	205 226	< 0.2	2.52	24	40	< 0.5	< 2	7.24	0.5	11	157	25	9.07	< 10	< 1	0.05	10	0.11	2370	12
M500365	205 226	0.4	6.82	30	40	< 0.5	< 2	3.91	< 0.5	35	28	206	9.61	20	< 1	0.06	10	0.07	200	2
M500366	205 226	< 0.2	1.46	592	630	< 0.5	< 2	0.53	< 0.5	14	28	35	4.26	< 10	< 1	0.72	< 10	0.68	235	4
M500368	205 226	0.2	1.46	32	90	< 0.5	< 2	0.49	< 0.5	9	79	45	2.57	< 10	< 1	0.56	< 10	0.72	100	6

CERTIFICATION:

Handwritten signature



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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
M500363	205 226	0.14	28	720	2	< 2	6	27	0.26	< 10	< 10	93	< 10	48
M500364	205 226	0.09	18	1310	< 2	2	3	86	0.09	< 10	< 10	310	< 10	46
M500365	205 226	0.93	6	1210	2	< 2	< 1	514	0.07	< 10	< 10	221	< 10	40
M500366	205 226	0.06	2	1370	< 2	< 2	7	23	0.18	< 10	< 10	171	< 10	30
M500368	205 226	0.12	14	770	4	< 2	8	20	0.19	< 10	< 10	83	< 10	36

CERTIFICATION:

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Project: SUNSHINE COAST
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Invoice No. : I9828382
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS A9828382

D

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
M500367	205 226	< 0.2	1.11	30	0.5	2	>25.0	0.5	3	28	23	0.99	0.03	0.21	690

CERTIFICATION:

H. Richter



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242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project: SUNSHINE COAST
Comments: ATTN:ARND BURGERT CC:ARND BURGERT

Page Number :1-B
Total Pages :1
Certificate Date:26-AUG-1998
Invoice No. :19828382
P.O. Number :
Account :QHB

CERTIFICATE OF ANALYSIS A9828382

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)				
M500367	205 226	2	0.07	8	20	18	203	0.07	38	< 10	24				

CERTIFICATION: 11.12.98



Chemex Labs Ltd.

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

To: BURGERT, ARND

242 BOYNE STREET
 NEW WESTMINSTER, BC
 V3M 5J8

Page Number : 1-A
 Total Pages : 1
 Certificate Date: 18-SEP-1991
 Invoice No. : 19830821
 P.O. Number :
 Account : QHB

Project : SUNSHINE COAST

Comments: ATTN:ARND BURGERT CC:A.BURGERT

CERTIFICATE OF ANALYSIS

A9830821

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
M500369	205 226	< 5	0.2	0.87	12	< 10	< 0.5	2	1.36	< 0.5	37	125	216	4.02	< 10	< 1	< 0.01	< 10	0.06	120
M500370	205 226	< 5	1.0	2.08	< 2	10	0.5	< 2	0.33	< 0.5	14	188	349	4.60	< 10	< 1	0.15	< 10	0.86	320
M500371	205 226	-----	0.2	0.68	8	60	< 0.5	< 2	0.03	< 0.5	10	204	42	2.46	< 10	1	0.19	< 10	0.16	160
M500372	205 226	-----	0.8	1.66	12	90	< 0.5	< 2	0.14	< 0.5	9	170	928	5.67	< 10	1	0.51	< 10	0.81	660
M500373	205 226	-----	0.4	0.94	6	90	< 0.5	2	0.04	< 0.5	5	196	313	3.23	< 10	1	0.47	10	0.02	135
M500374	205 226	-----	0.6	1.50	168	60	1.0	< 2	0.19	0.5	13	191	46	3.85	< 10	1	0.16	10	0.32	370

CERTIFICATION:

Hart Ruchler



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Page Number :1-B
 Total Pages :1
 Certificate Date: 18-SEP-1998
 Invoice No. :19830821
 P.O. Number :
 Account :QHB

CERTIFICATE OF ANALYSIS A9830821

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
M500369	205	226	6	< 0.01	28	240	16	< 2	5	18	0.41	< 10	< 10	46	< 10	22
M500370	205	226	36	0.07	9	1340	10	4	6	9	0.03	< 10	< 10	49	< 10	32
M500371	205	226	21	0.01	5	90	12	< 2	< 1	9	0.03	< 10	< 10	12	< 10	22
M500372	205	226	15	0.07	16	510	12	2	5	15	0.15	< 10	< 10	64	< 10	64
M500373	205	226	8	0.02	4	230	8	2	< 1	7	0.01	< 10	< 10	7	< 10	16
M500374	205	226	14	0.04	9	760	10	2	7	12	0.02	< 10	< 10	16	< 10	46

CERTIFICATION: Hawthorn



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Project: SUNSHINE COAST
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Page Number : 1-A
 Total Pages : 1
 Certificate Date: 02-OCT-1998
 Invoice No. : I9832052
 P.O. Number :
 Account : QHB

CERTIFICATE OF ANALYSIS

A9832052

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
M500375	205 226	0.8	1.27	14	20	< 0.5	2	1.33	< 0.5	64	38	1885	13.25	< 10	1	0.08	< 10	1.02	400	< 1
M500376	205 226	0.8	6.14	< 2	10	1.5	< 2	2.16	< 0.5	41	99	1150	8.68	10	3	1.53	< 10	1.41	435	< 1
M500377	205 226	0.2	1.67	< 2	40	< 0.5	< 2	0.10	< 0.5	21	53	228	5.17	< 10	3	1.12	< 10	0.75	245	8
M500378	205 226	19.0	0.27	260	< 10	< 0.5	8	0.61	120.0	139	32	4470	15.00	10	7	0.01	< 10	0.01	200	9
M500379	205 226	0.6	1.11	6	40	< 0.5	< 2	0.83	< 0.5	13	24	182	3.93	< 10	< 1	0.10	< 10	0.24	85	43

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CERTIFICATION:

[Handwritten Signature]



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Page Number : 1-B
Total Pages : 1
Certificate Date: 02-OCT-1998
Invoice No. : I9832052
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS

A9832052

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
M500375	205	226	0.16	37	140	< 2	< 2	13	27	0.22	< 10	10	447	< 10	128
M500376	205	226	0.38	58	640	< 2	< 2	6	275	0.25	< 10	< 10	131	< 10	82
M500377	205	226	0.01	3	430	< 2	< 2	14	5	0.29	< 10	< 10	61	< 10	46
M500378	205	226	< 0.01	97	690	208	< 2	< 1	4	0.02	< 10	40	18	< 10	>10000
M500379	205	226	0.16	3	590	< 2	< 2	3	21	0.17	< 10	< 10	41	< 10	28

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B

CERTIFICATION: H. R. D.



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To: BURGERT, ARND

242 BOYNE STREET
NEW WESTMINSTER, BC
V3M 5J8

Project: SUNSHINE COAST
Comments: CC: ARND BURGERT

Page Number : 1
Total Pages : 1
Certificate Date: 05-OCT-1998
Invoice No. : 19832686
P.O. Number :
Account : QHB

CERTIFICATE OF ANALYSIS

A9832686

SAMPLE	PREP CODE		Zn %									
A M500378	244	--	1.43									

CERTIFICATION: