

12/88

LOG NO: 1217

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FILE NO: 87-902-16641

MineQuest Report 182
Ref. No. RM4501

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,641

THOM - FEHR CLAIMS

GEOPHYSICS, GEOCHEMISTRY AND PERCUSSION DRILLING

June to September, 1987

Kamloops Mining Division

N.T.S. 92 I/XX, 11E ~~11E~~, 10W

Latitude 50°42'N 44'53"

Longitude 120°00'W 20"

by

A.W. Gourlay

of

Owner(s): MineQuest Exploration Associates Ltd., QPX Minerals Inc.

for

Operator: QPX Minerals Inc.

FILMED

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>UNITS</u>	<u>DATE RECORDED</u>
Fehr V	4395	16	March 31, 1983
Thom I	4748	16	Sept. 15, 1983
Thom II	6002	08	Dec. 07, 1984
Thom III	6003	12	Dec. 07, 1984
Jim I	5898	15	Sept. 18, 1984
Thom V	7235	12	Aug. 11, 1987

Vancouver, B.C.

December 1987

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1.0 INTRODUCTION

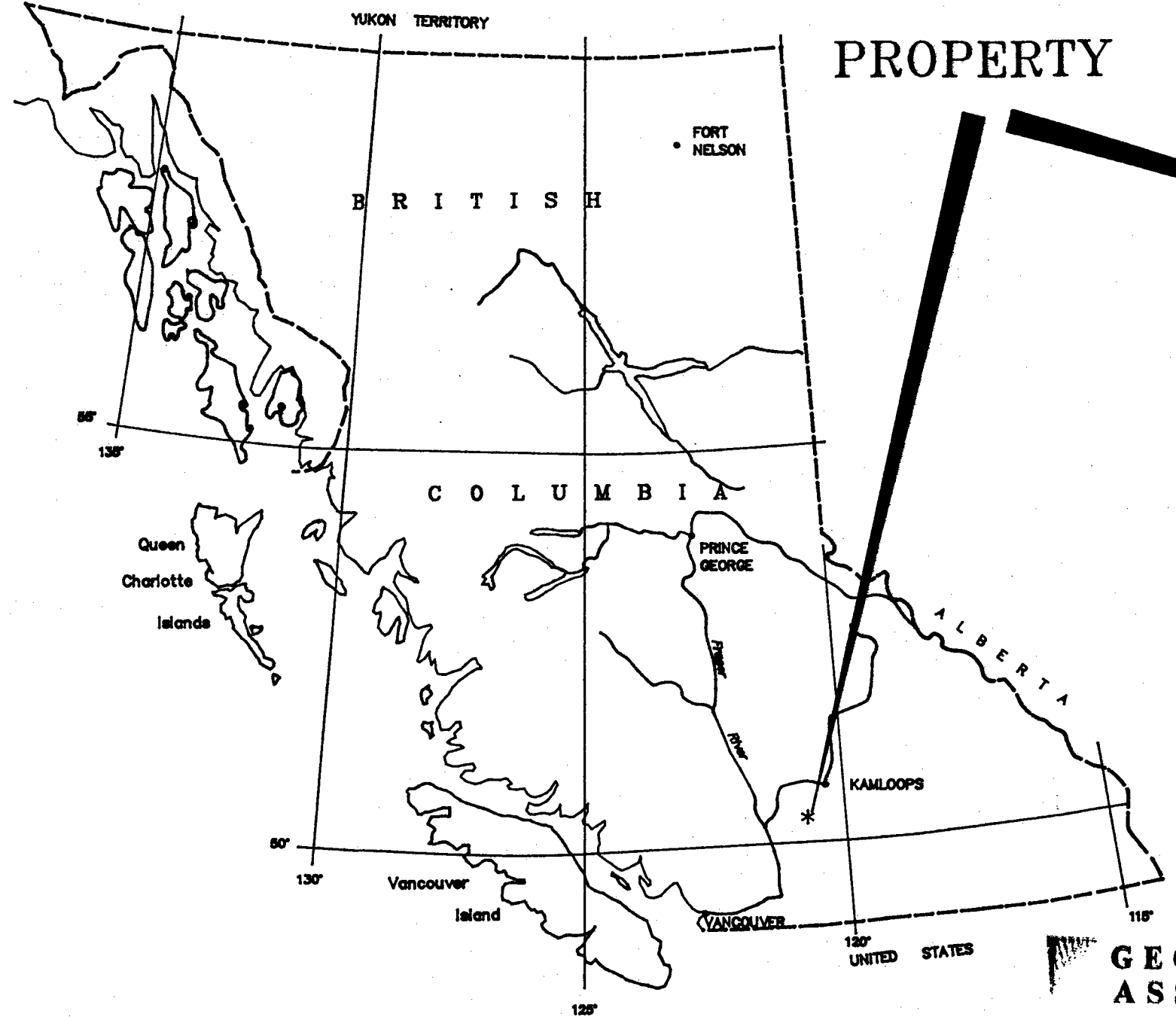
The THOM-FEHR claims were staked in 1983 and 1984 on the basis of geochemical indications of gold associated with anomalous quantities of arsenic and antimony in heavy mineral concentrates collected from stream sediments. Follow-up work on the THOM-FEHR claims in 1983 produced some geochemically anomalous gold values with weakly anomalous lead, arsenic, and antimony in soil and silt samples. In 1984, a program of geological mapping, rock chip sampling, contour soil sampling and prospecting was concentrated on the THOM I claim. This work further defined the area of geochemically anomalous gold, lead and arsenic values in soils, and discovered outcrop of altered hornblende diorite with a carbonate quartz stockwork carrying geochemically significant values in gold. Work in 1985, 1986 and early 1987 consisted of soil sampling and geophysical surveys over FEHR V and JIM I claims.

In May, 1987, the claims were optioned by QPX Minerals Inc., for whom MineQuest Exploration Associates Ltd. conducted a program composed of satellite imagery interpretation, soil geochemistry, geophysical surveys, and reverse circulation percussion drilling. The results of this program are described in this report.

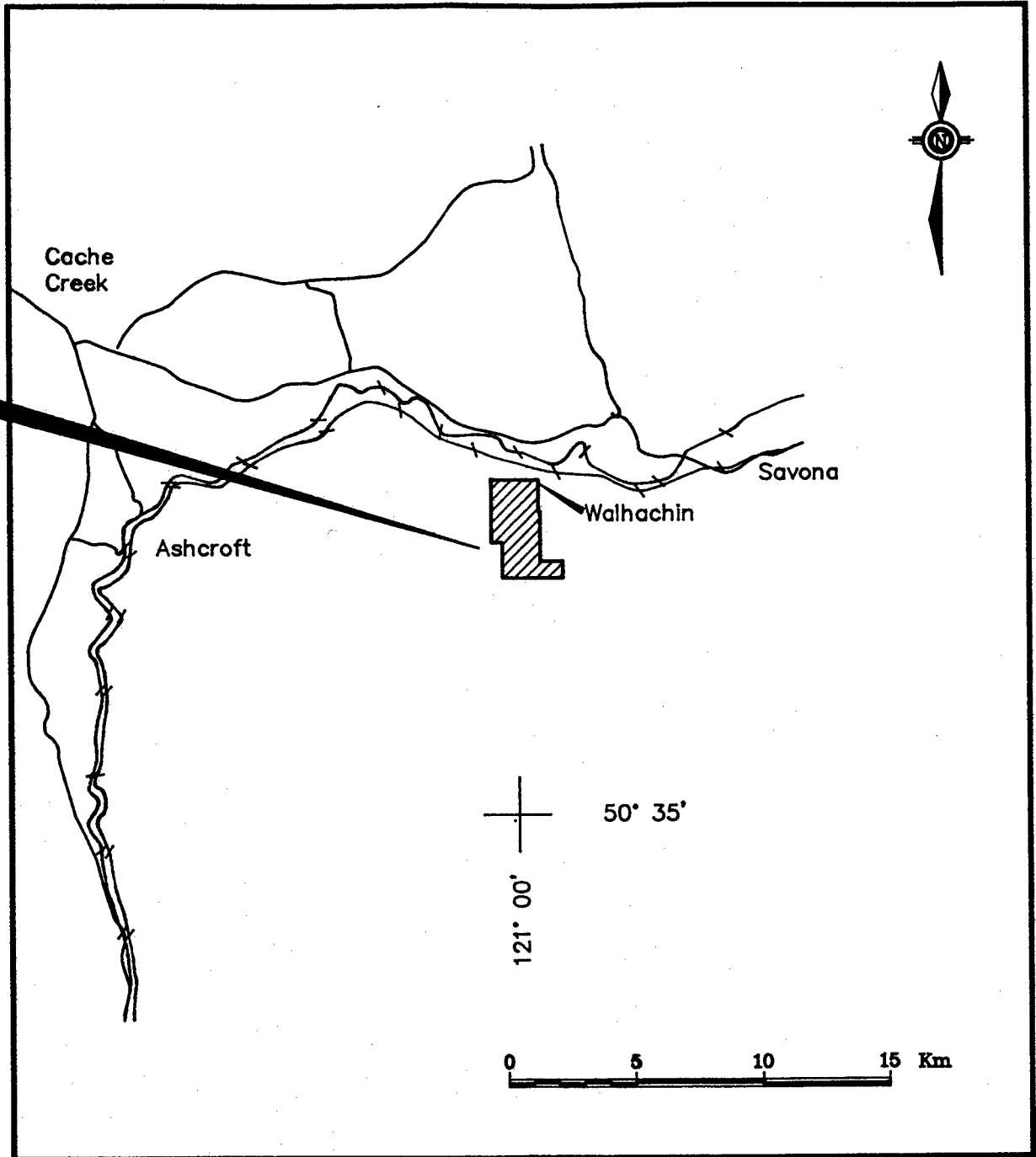
2.0 LOCATION, ACCESS AND TOPOGRAPHY

The property is located in south central British Columbia, south of the Thompson River, 11km south-west of Savona near the hamlet of Walhachin. Access to the southern claims is by logging road from Savona and the northern claims are reached by farm roads from Walhachin.

The topography consists of gentle rolling country rising southwards from the Thompson River, from about 335m to 1525m above sea level. Vegetation comprises sage brush and grassland with scattered low shrubs at lower elevations. Much of the upper slopes have recently been logged; elsewhere they are covered by moderate to light growth of timber with scattered clearings used by cattle for grazing.



PROPERTY



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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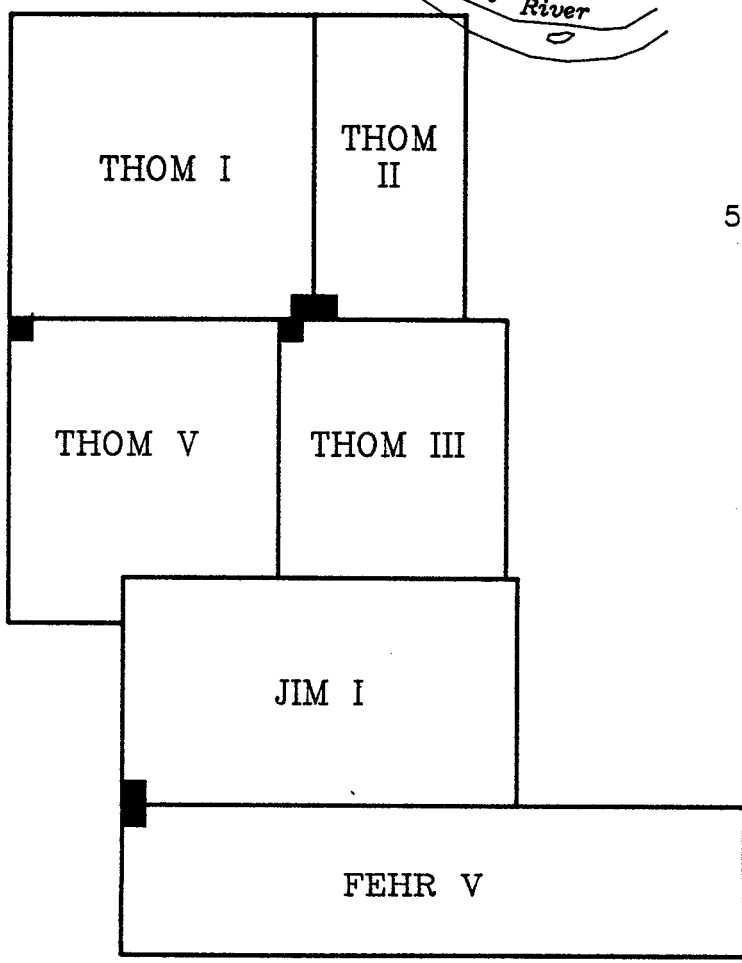
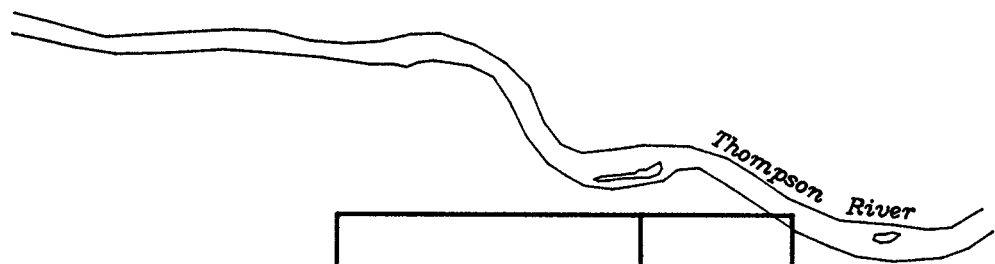
QPX MINERALS INC.				
THOM - FEHR CLAIMS				
LOCATION MAP				
SCALE: AS SHOWN	DATE: Nov. '87	N.T.S. 921/10-15	DRAWN BY: GEO-COMP	FIGURE: 1
MINEQUEST EXPLORATION ASSOCIATES LTD.				

3.0 OWNERSHIP AND CLAIM STATUS

The claims listed below are held by MineQuest Exploration Associates Limited on behalf of QPX Minerals Inc.

TABLE I
CLAIM STATUS

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>NO. OF UNITS</u>	<u>DUE DATE BEFORE SUBMISSION OF THIS REPORT</u>
Fehr V	4395	16	March 31, 1989
Thom I	4748	16	Sept. 15, 1987
Thom II	6002	08	Dec. 07, 1987
Thom III	6003	12	Dec. 07, 1987
Jim I	5898	15	Sept. 18, 1987
Thom V	7235	12	Aug. 11, 1988



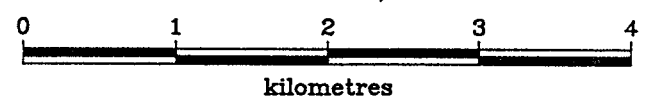
50°45' —
120°56'
5623000m N. —

+

638000m E. —

646000m E. —
5618000m N. —

Scale 1:50,000



QPX MINERALS INC.		
THOM — FEHR CLAIMS		
CLAIM MAP		
DATE: Oct. '87	N.T.S.: 92I/10,11,14,15	FIGURE: 2
MINEQUEST EXPLORATION ASSOCIATES LTD.		

4.0 HISTORY AND PREVIOUS WORK

The THOM-FEHR claims have been the focus of limited exploration for copper as a result of activity in the Highland Valley and in the Afton area.

The northwestern claims, THOM I and V, were explored for copper in the 1970's by Supertest Investments and Petroleum Ltd., B.P. Canada, and Bethlehem Copper. G.D. Hodgson's 1984 report contains a thorough review of the previous work performed on those claims.

In 1983 MineQuest Exploration Associates Ltd. performed silt sampling, contour soil sampling and prospecting. Follow-up work in 1984 consisted of geological mapping, rock chip sampling, contour soil sampling and prospecting. In 1986 a contour soil sampling survey was carried out on JIM I and FEHR V claims, and a VLF-EM survey was performed on JIM I claim. A combined VLF-EM and magnetometry survey was conducted during March 1987 on FEHR V claim.

5.0 WORK CARRIED OUT IN 1987

5.1 INTRODUCTION

The summer field program concentrated on two areas; a north grid on THOM I claim, and a south grid straddling JIM I and FEHR V claims. (See Figure 3)

The north grid covers an area of geochemically anomalous gold, arsenic, and mercury values in rocks and soils defined by earlier surveys, and a broad IP anomaly outlined by B.P. Canada.

The south grid covers an area of geochemically anomalous gold values in soil along the presumed extension of Rattlesnake Creek fault.

In conjunction with field surveys, a remote sensing analysis was made of the THOM-FEHR claims and immediate area by Dr. K.V. Campbell. Dr. Campbell's interpretation is the subject of a separate report (MineQuest Report No. 167) and is not included here.

5.2 NORTH GRID

5.2.1 Grid

Ten line-kilometres of east-west grid lines were chained and compassed at fifty metre spacings covering the geochemically anomalous gold showing in Rattlesnake Creek, and extending to the north. Stations were flagged at twenty metre intervals.

5.2.2 Geophysics

Ten line-kilometres of VLF-EM, magnetometry, and Induced Polarization were completed over the grid.

5.2.3 Reverse Circulation Percussion Drilling

A total of 655 metres (2116 feet) of reverse circulation percussion drilling was completed in seven holes. Hole depth varied from 48.16 metres (158 feet) to 109.11 metres (358 feet).

5.3 SOUTH GRID

5.3.1 Grid

The south grid extended an existing grid (Lines 1000N to 1800N) 1,000 metres to the north-north west. East-west grid lines were chained and compassed at 100 metre spacings, with stations flagged at 10 metre intervals.

5.3.2 Geophysics

Previous VLF-EM and magnetometry surveys covering Lines 1000N to 1800N were extended to L2800N. An additional ten line-kilometres of both VLF-EM and magnetometry survey were completed.

5.3.3 Soil Chemistry

A total of 1910 soil samples were collected from the B horizon at ten metre intervals along east-west grid lines from L1000N to L2800N. Each sample was placed in a kraft paper bag and each bag was labelled with the grid location where it was collected. The samples were composited in groups of ten (or 100 metres of line length) and analysed for gold, silver, arsenic, antimony, bismuth, molybdenum and selenium.

5.4 PERSONNEL

Grid work and soil sampling was performed by A.Z. Zuk, K. Miller, D. Kohlman, W.L. McLean, M. Wensley, L.O. Allen and a four-man crew supplied by Alionis Geological Services. The magnetometry and VLF-EM surveys were carried out by D. Gamble. The Induced Polarization survey was conducted by Target Surveys Inc. Sampling of drill cuttings was managed by A.R. Zuk and G.W. Vernon. A.W. Gourlay logged the drill cuttings and directed the field surveys.

6.0 GEOLOGY

6.1 REGIONAL GEOLOGY

The vicinity of Kamloops Lake has been mapped at a regional scale by Cockfield (1948), Duffel and McTaggart (1952), and more recently by Monger (1983). In and around the THOM - FEHR claims the Triassic Nicola Group, consisting of intermediate volcanics and sedimentary rocks, has been intruded by a diorite or granodiorite of probable Jurassic age. These Triassic and Jurassic rocks are overlain unconformably by a Jurassic conglomerate. The high ground is covered by basalts and sediment of the Eocene Kamloops Group.

The Deadman River (north and east of the claims) is believed to occupy an extension of the Pinchi Fault which continues southwards through Tunkwa Lake down Guichon Creek. Off this major transcurrent fault is a northwest-trending splay which passes through the THOM - FEHR claims. Within the claims are a number of other fractures, notably those along Rattlesnake Creek, which are parallels to this splay. These fractures or faults are assumed to be late because they appear to affect the Tertiary Kamloops Group to the south (Hodgson, 1984).

6.2 PROPERTY GEOLOGY

The THOM - FEHR claims were mapped in detail in 1984 by D. Brown and has been summarized by Hodgson (1984) and Gourlay (1984) as follows:

"TRIASSIC: NICOLA GROUP

Rocks of the Nicola Group comprise volcanics, volcaniclastics and chemical sediments, now altered and weathered and given the general term "greenstones". Metamorphosed rocks of andesite and basalt composition predominate. The andesite typically has a fine grained groundmass with feldspar and augite phenocrysts. The basalt is usually fine-grained and structureless. Both rock types have suffered chlorite and epidote alteration. Well-bedded cherty tuff units are common. These are interbedded with andesitic lapilli tuffs. Recrystallized limestone pods may represent chemical sedimentary deposits, now mostly "marble" that is weakly foliated and generally fine to medium grained. These carbonate pods are most abundant in the southwest corner of the property, but are also exposed in the northeast in the CPR ballast quarry, where the contacts are sheared and the carbonate pods appear to be steeply transgressive across layering. Calc-silicate skarn is produced at the contact of carbonate with diorite.

TRIASSIC AND (?) JURASSIC: HORNBLLENDE DIORITE - GRANODIONITE

"Brassy Gulch Diorite" is an unofficial name given to the multiphase intrusive bodies on the west side of the THOM claims. The intrusives are correlated with the Triassic-Jurassic Guichon Batholith. The predominant lithology is a massive, medium grained, hornblende diorite. The hornblende is weakly altered to chlorite - epidote. Pink potassic alteration has affected the feldspars. Magnetite stringers are locally exposed. In Rattlesnake Creek, a hornblende-feldspar monzonite porphyry is exposed. Lower down, just west of Rattlesnake Creek, a metre-wide pink, felsite breccia dyke cuts Nicola greenstones. Simpson & Nethery (1979) reported the occurrence of an "intrusive breccia" in Rattlesnake Creek, but this has not been located.

JURASSIC: ASHCROFT FORMATION

Covering much of the south and east of the property is the Jurassic Ashcroft Formation, a pebble to boulder conglomerate, unconformably overlying Nicola rocks and Brassy Gulch Diorite. Clasts include hornblende diorite, monzonite, granodiorite and an assortment of volcanic rocks as well as chert, limestone and siltstone. The clasts are subrounded, poorly sorted. The matrix appears to be similar to interbedded gently dipping greywackes. There is a variable clast/matrix ratio; locally the conglomerate is clast supported, but elsewhere it is matrix dominant.

TERTIARY: RATTLESNAKE CREEK RHYOLITE

A Tertiary, possibly Eocene, intrusive plug is exposed along Rattlesnake Creek. Two lithologies have been recognized, namely a porphyritic quartz rhyolite, and a "rhyolite-trachyte". The former rock type weathers a pale grey colour, with colourless quartz phenocrysts up to 3mm long. The groundmass contains finely disseminated pyrite. The second lithology, given the field name rhyolite-trachyte: is a brown weathering, non-porphyritic rhyolite.

Although some contacts are locally sheared, field relationships show intrusive contacts with both the Nicola Group and the Brassy Gulch Diorite.

TERTIARY: KAMLOOPS GROUP

Kamloops Group rocks are found along the southern boundary of the claims, predominantly as vesicular basalt and andesite flows. These flows are purplish-grey to brown weathering and are columnar jointed. The sequence includes interflow sediments and breccias or lahars. The Kamloops Group flows have been intruded by a dioritic plug with aligned feldspar laths. A Tertiary basalt dyke is exposed in Brassy Gulch, 200m west of the claim boundary. A poorly consolidated and friable volcanic breccia, correlated with the Eocene Kamloops Group, also crops out west of the property."

7.0 RESULTS

7.1 North Grid

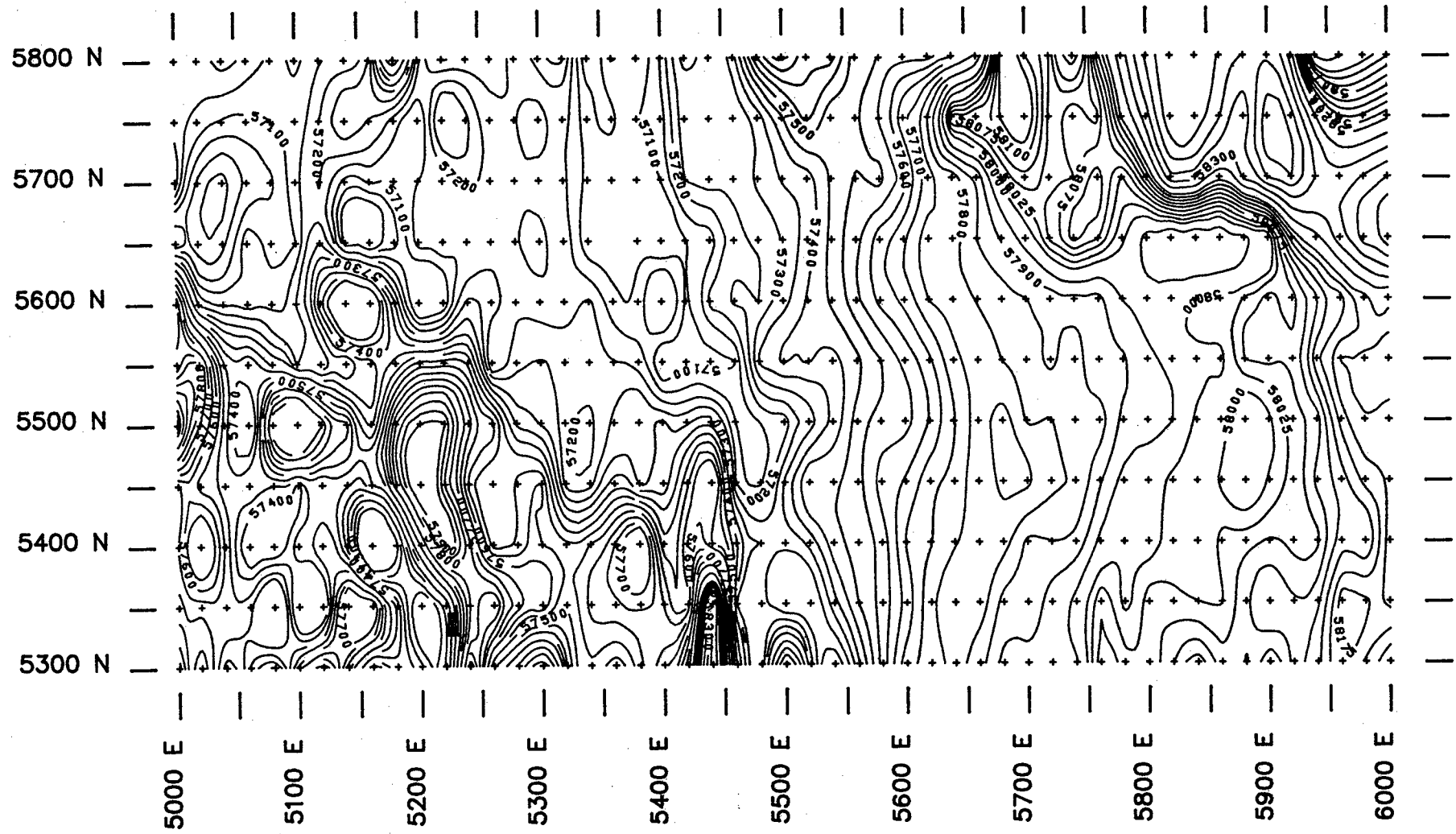
7.1.1 Geophysics

The broad, open chargeability high outlined by B.P. Canada in 1975 was defined by an Induced Polarization survey using a station separating 200 feet (61 metres) and a N spacing of 1 and 2. The objective of the previous work was a porphyry copper target.

The present survey utilized a station spacing of 20 metres, with N = 1 to 3, to sharpen the resolution of the chargeability anomaly, and extended to the east to close off the previous feature. This summer's work was successful in defining a chargeability high that extended north from from gold showing in Rattlesnake Creek that is associated with pyrite bearing quartz veins. The chargeability high is well defined and is apparently offset to the east by east-northeast trending fractures. The chargeability high is immediately east of Rattlesnake Creek, in an area of little outcrop but where there is a distinct reddish colour anomaly in the soil.

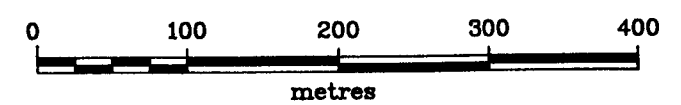
The induced polarization survey also outlined a resistivity low immediately west of Rattlesnake creek, presumeably related to splay from Rattlesnake Creek Fault. A broad resistivity high in the south east portion of the grid is underlain by conglomerate of the Ashcroft Formation.

A distinct magnetic low follows the course of Rattlesnake Creek and the trace of Rattlesnake Creek Fault. A broad magnetic low in the northwest portion of the grid may mark a splay off the main fault.



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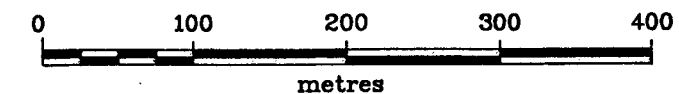
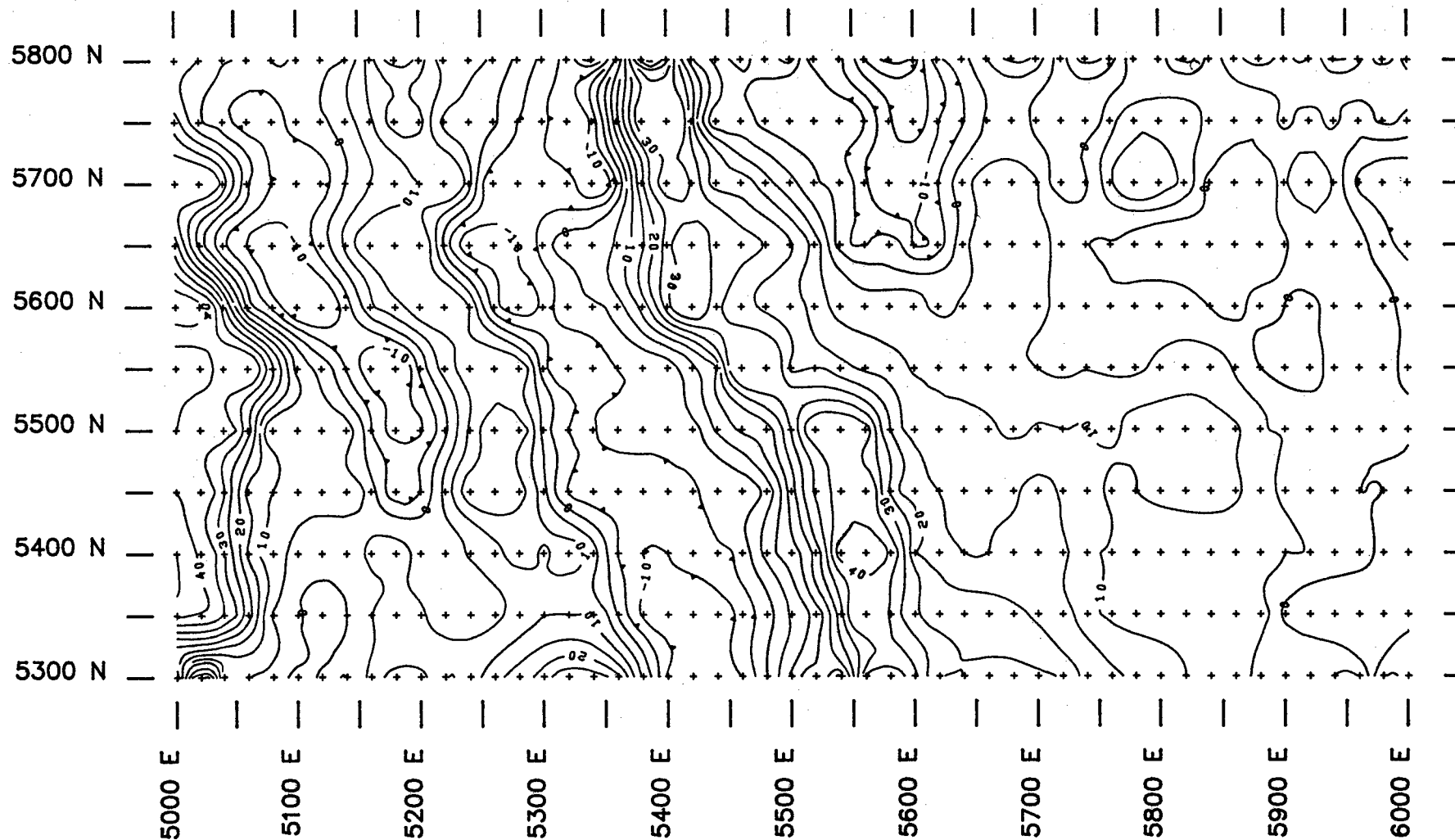


QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID			
TOTAL FIELD MAGNETICS SURVEY			
50 GAMMA CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Nov.'87	FIGURE 4
Originator: AWG		N.T.S. 92L10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

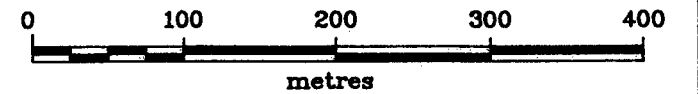
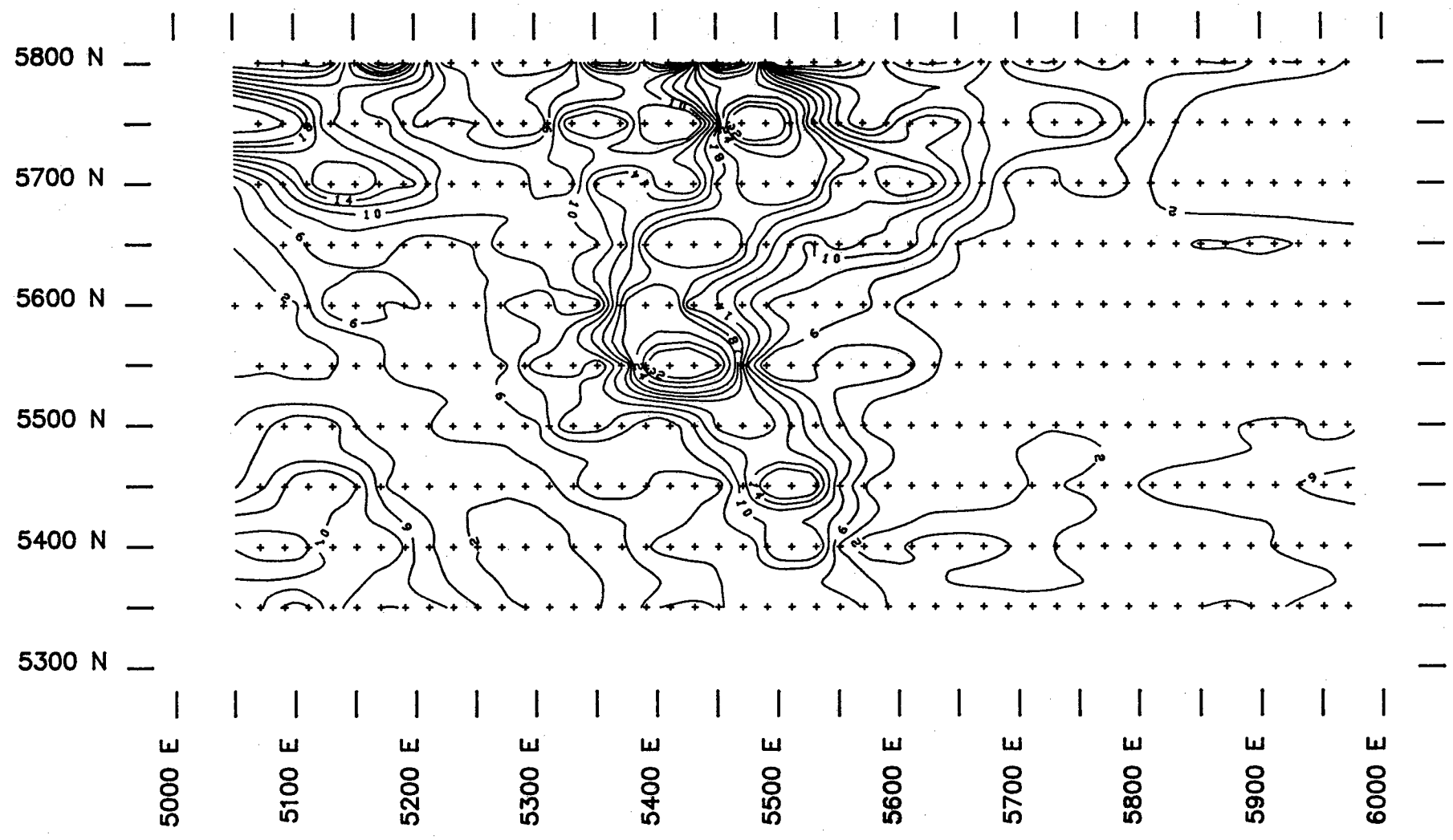


GEOLOGICAL BRANCH
ASSESSMENT REPORT

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QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID VLF-EM SURVEY TILT ANGLE CONTOUR MAP 10% CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE
Originator: AWG		N.T.S. 92L10,11,14,15	5
MINEQUEST EXPLORATION ASSOCIATES LTD.			



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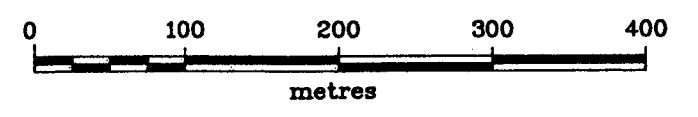
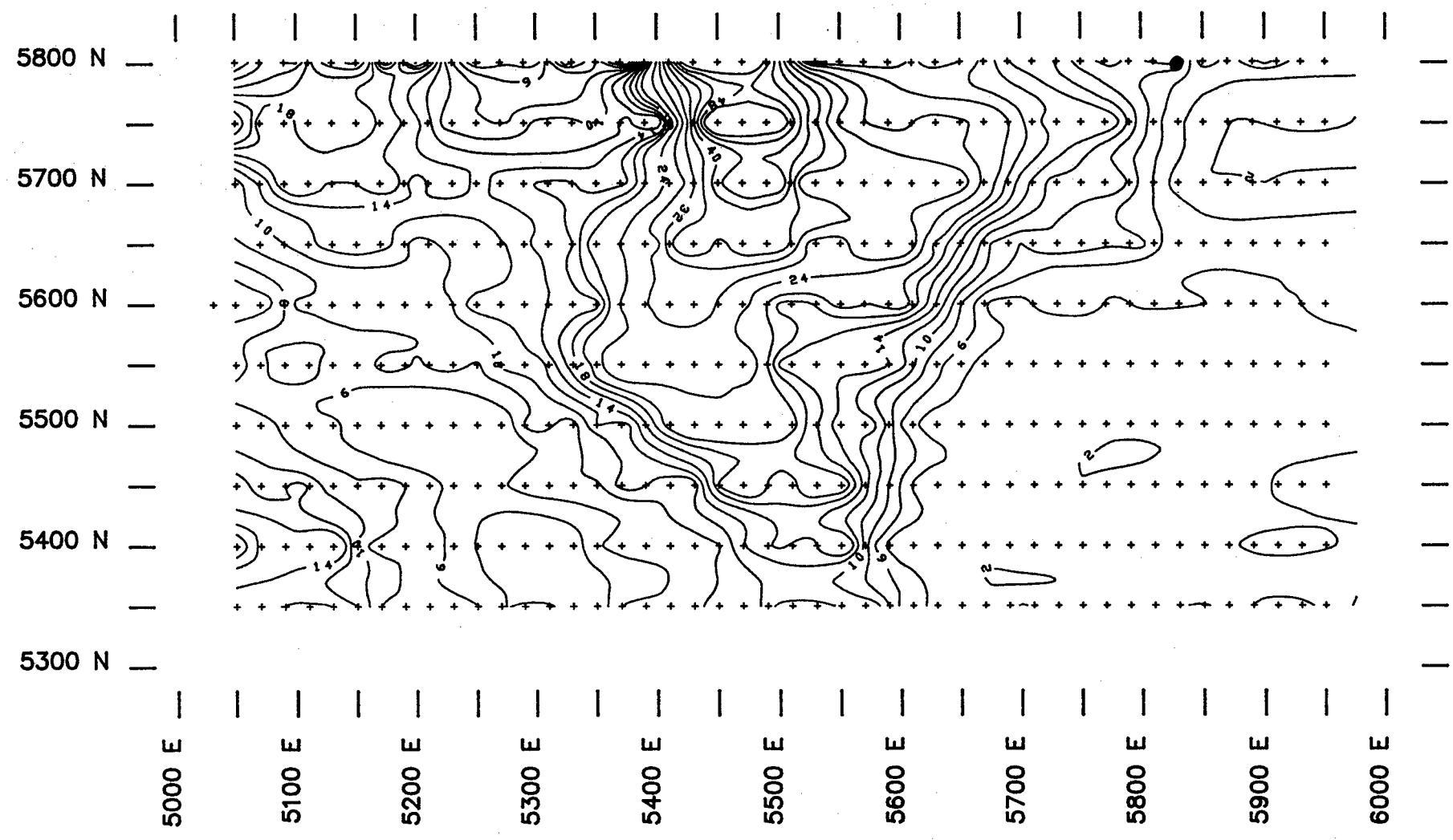
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID I.P. SURVEY CHARGEABILITY CONTOUR MAP, N=1 2 MS. CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Nov. '87	FIGURE
Originator: AWG		N.T.S. 92110,11,14,15	6
MINEQUEST EXPLORATION ASSOCIATES LTD.			

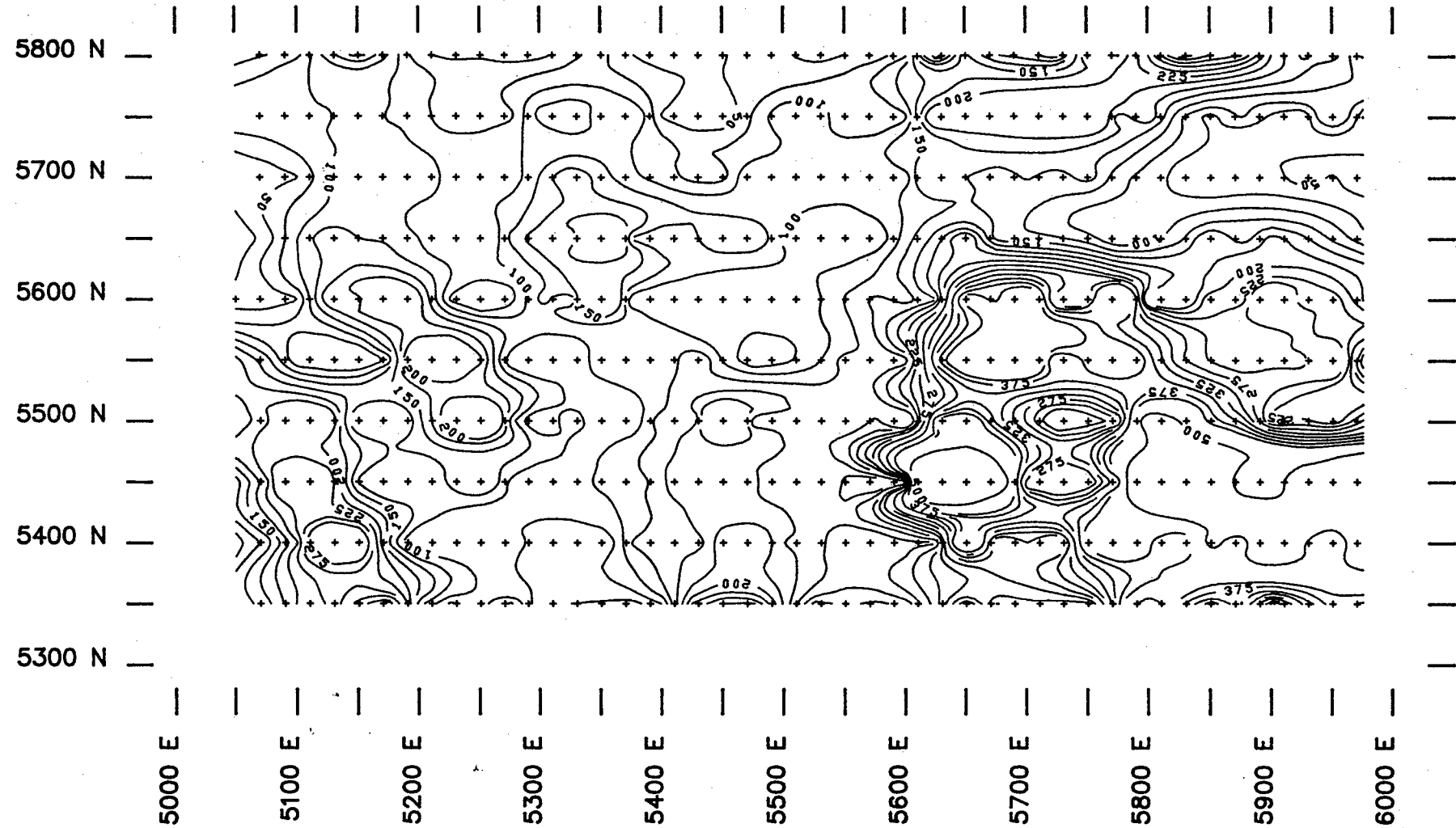


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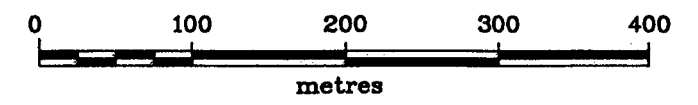
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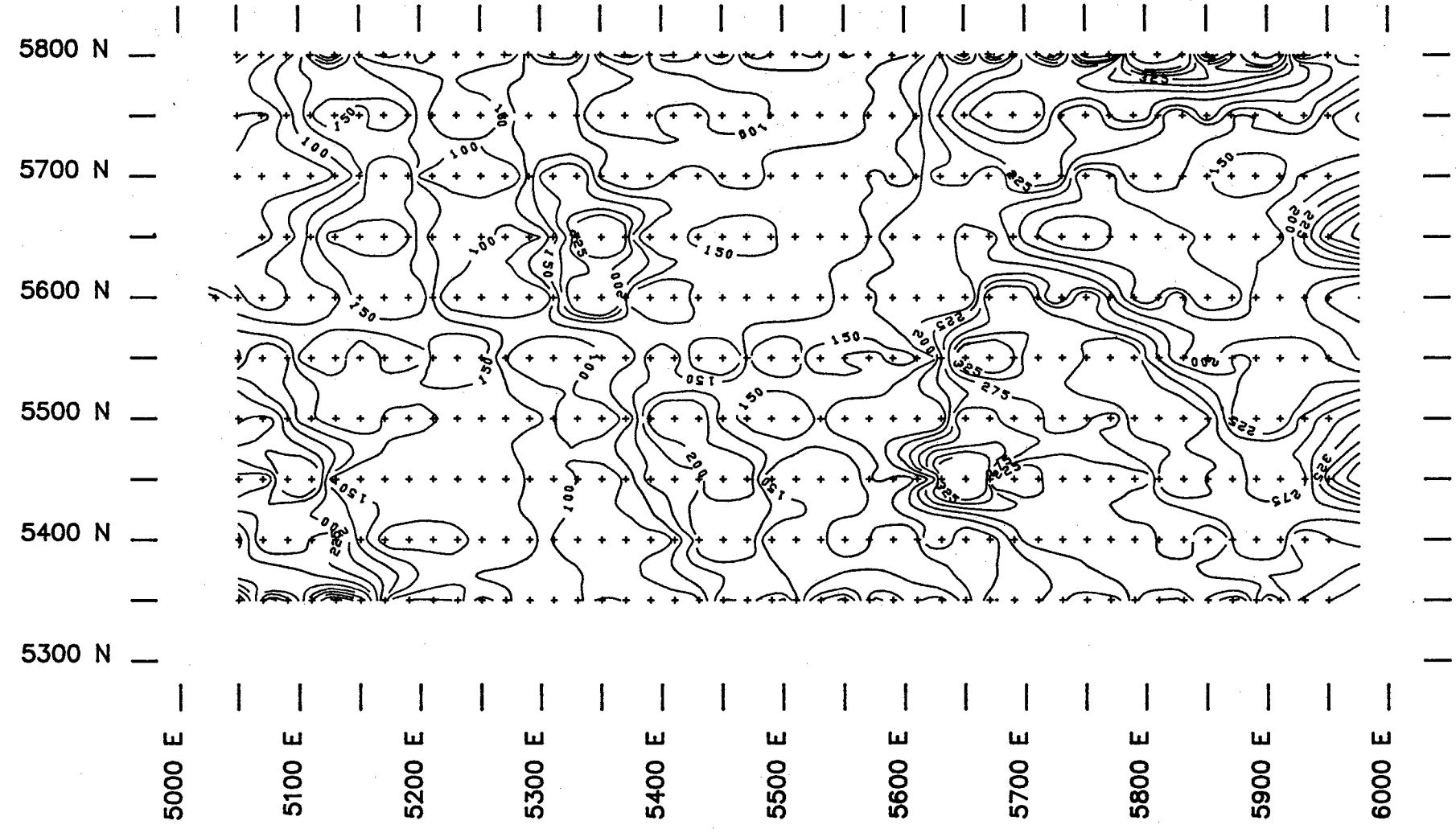
QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID I.P. SURVEY			
CHARGEABILITY CONTOUR MAP, N=3 2 MS. CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Nov. '87	FIGURE
Originator: AWG		N.T.S. 92110,11,14,15	7
MINEQUEST EXPLORATION ASSOCIATES LTD.			



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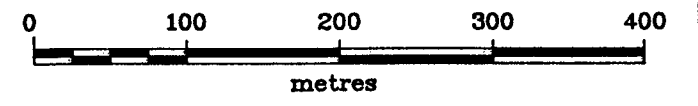


QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID			
I.P. SURVEY			
RESISTIVITY CONTOUR MAP, N=1			
PSUEDO-LOG CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Nov. '87	FIGURE 8
Originator: AWG		N.T.S. 92L10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			



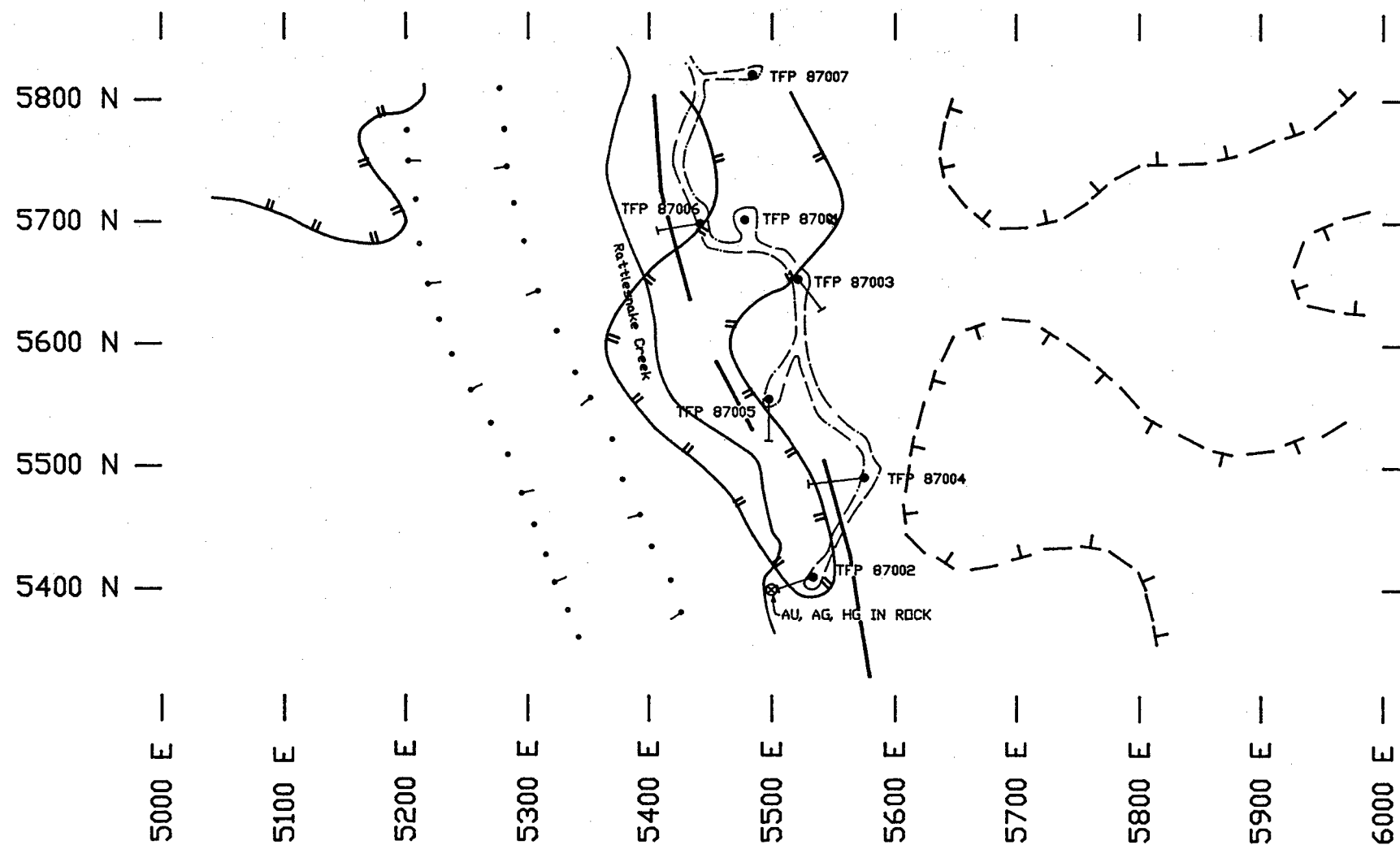
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QPX MINERALS INC			
THOM - FEHR CLAIMS			
NORTH GRID I.P. SURVEY			
RESISTIVITY CONTOUR MAP, N=3 PSUEDO-LOG CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Nov. '87	FIGURE 9
Originator: AWG		N.T.S. 921,10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

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LEGEND

- DRILL SITE
- ACCESS ROAD
- IP HIGH
- ⋯ RESISTIVITY LOW
- - - RESISTIVITY HIGH
- VLF 'CONTACT'



QPX MINERALS INC.			
THOM - FEHR CLAIMS			
NORTH GRID			
GEOPHYSICS: INTERPRETATION & DRILL HOLE LOCATIONS			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 10
Originator: AWG		N.T.S. 92L10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Contouring the tilt angle data from the VLF-EM survey outlines a strong linear feature parallel to Rattlesnake Creek Fault immediately east of the creek gully. This feature is offset to the west by east-northeast trending fractures, in contrast to the easterly offset of the chargeability high.

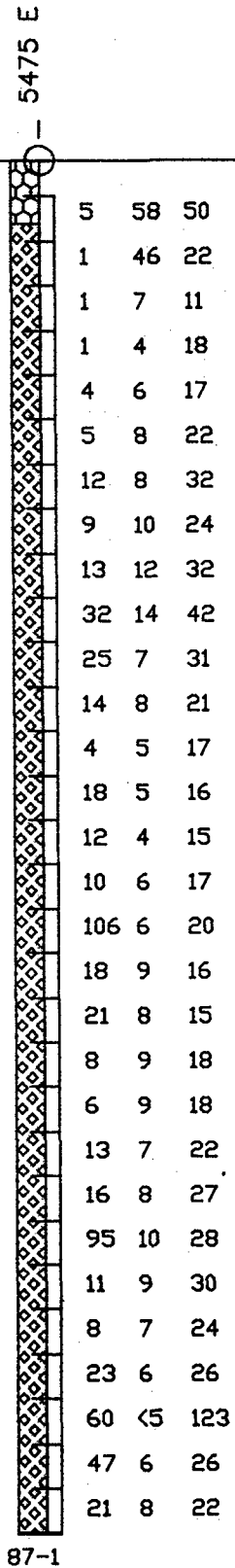
7.1.2 REVERSE CIRCULATION PERCUSSION DRILLING

Seven reverse circulation percussion drill holes, totalling 655 metres (2116 feet), were drilled to test geological and geophysical targets.

Hole TFP 87001 is a vertical hole drilled into the chargeability high on Line 5700N, where there is a strong reddish colour anomaly in the soil. The hole encountered grey, feldspar porphyritic rhyolite to a depth of 308 feet. The rhyolite is weakly to strongly silicified, with up to 20% indistinct to vague subhedral white feldspar lathes, .5mm size, supported by an aphanitic grey groundmass. There is 5% disseminated pyrite throughout the rhyolite.

The highest value returned is 106 ppb gold, from 168 feet to 178 feet. There are five sections of 30 or 40 feet that run greater than 10 ppb gold. Arsenic is weakly elevated, up to 68 ppm, within 28 feet of surface.





Section at 5700 N facing north

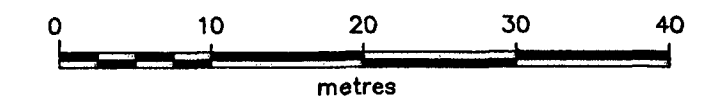


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LEGEND

- 23 5 124 Au, As, Cu
ppb ppm ppm
-  Overburden
 -  Grey, feldspar porphyritic rhyolite
 -  Hornblende Diorite
 -  Fault



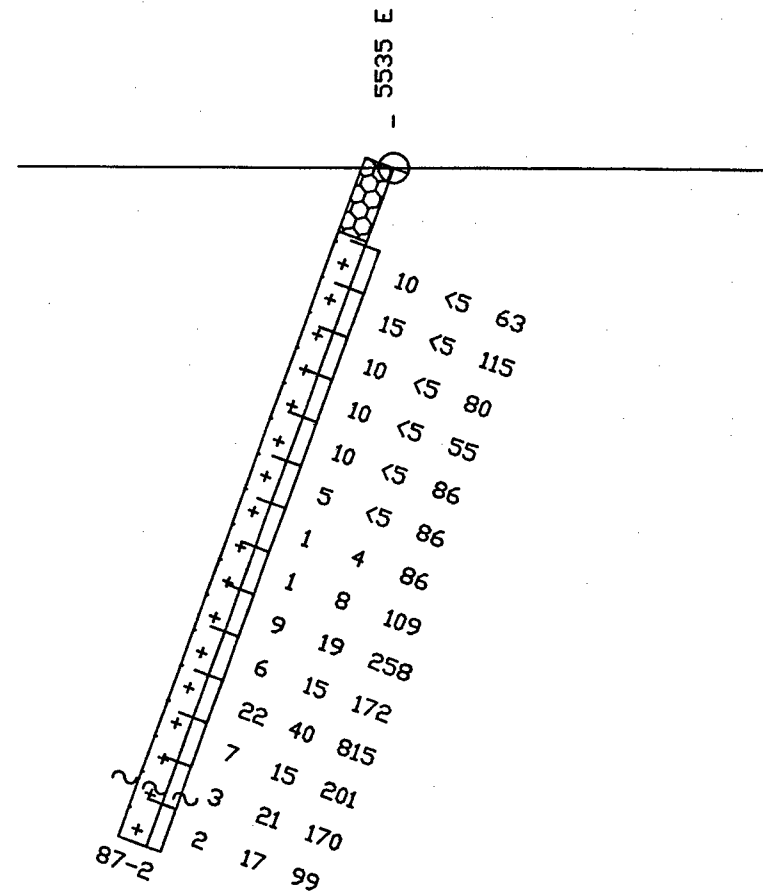
QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - TFP 87001			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 11
Originator: AWG		N.T.S. 921,10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Hole TFP 87002 was drilled to intersect the anomalous gold, arsenic, and mercury values returned from altered hornblende diorite in Rattlesnake Creek. It was drilled to the west-southwest at -70° from the edge of the chargeability high. The hole penetrated hornblende diorite which suffers increasing silicification and quartz veining with depth while disseminated pyrite decreases from 1% to a trace. Heavy water flow encountered at 148' marks the start of shearing along Rattlesnake Creek. From 148' to 158' the hornblende diorite is intensely silicified, sheared, and carries quartz veins up to 1 cm wide that display cockscomb textures. The hole was terminated at 158' when the water flowing up the drill rods caused the drill site to start to collapse. Gold values reach a peak of 15 and 25 ppb over two samples from 98-118 feet, as does arsenic at 25 and 41 ppm respectively.

TFP 87003 was collared at the edge of the chargeability high, and drilled away from the anomaly towards the southeast at -65°, across one of the north-northeast trending faults. Medium grained hornblende diorite, weakly silicified near surface, suffers decreasing silicification with depth until there is only chlorite alteration of the mafic materials. The fault was intersected at 228 feet, where moderate water flow was encountered. Pyrite content decreased from less than 5% to a trace, mostly disseminated, with depth. Gold values are uniformly low although arsenic reaches a high of 98 ppm at 48 to 58 feet.





Section at AZM 250°, facing North

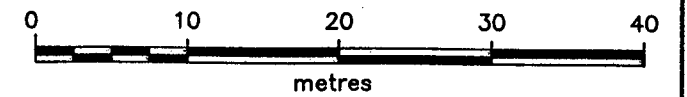
16,641
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT



LEGEND

23 5 124 Au, As, Cu
ppb ppm ppm

-  Overburden
-  Grey, feldspar porphyritic rhyolite
-  Hornblende Diorite
-  Fault

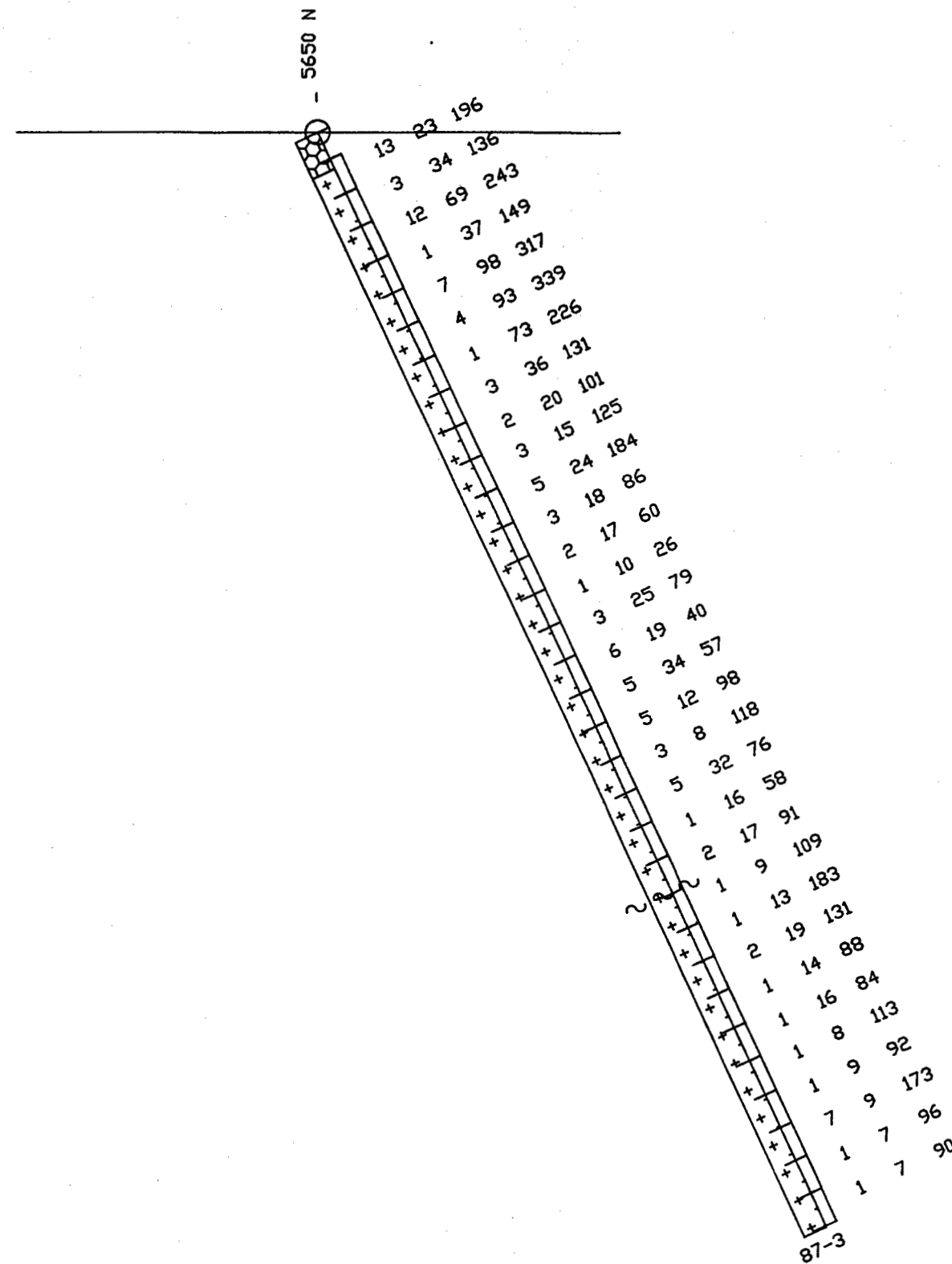


QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87002			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 12
Originator: AWG	N.T.S. 92,10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Section at AZM 150°, facing East





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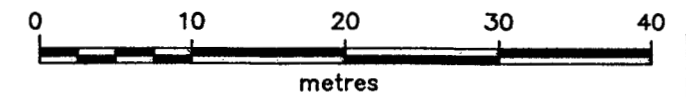
GEOLOGICAL BRANCH ASSESSMENT REPORT



LEGEND

23 5 124 Au, As, Cu
ppb ppm ppm

-  Overburden
-  Grey, feldspar porphyritic rhyolite
-  Hornblende Diorite
-  Fault



QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87003			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec.'87	FIGURE 13
Originator: AWG		N.T.S. 92L10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Hole TFP 87004 was drilled east to west at -650, into the chargeability high, northeast of the showing in Rattlesnake Creek. Medium grained hornblende diorite, similar to hole TFP 87003, is weakly altered with about 1% disseminated pyrite to 218 feet. At 218 to 228 feet, there is an abrupt change to moderately silicified hornblende diorite with up to 5% pyrite that is generally untarnished. This transition marks the linear feature defined by the VLF-EM survey. The moderately silicified lithology continues to 358 feet. Gold, arsenic and antimony values reach highs of 13 ppb, 12ppm, and 2 ppm respectively in the moderately silicified hornblende diorite.

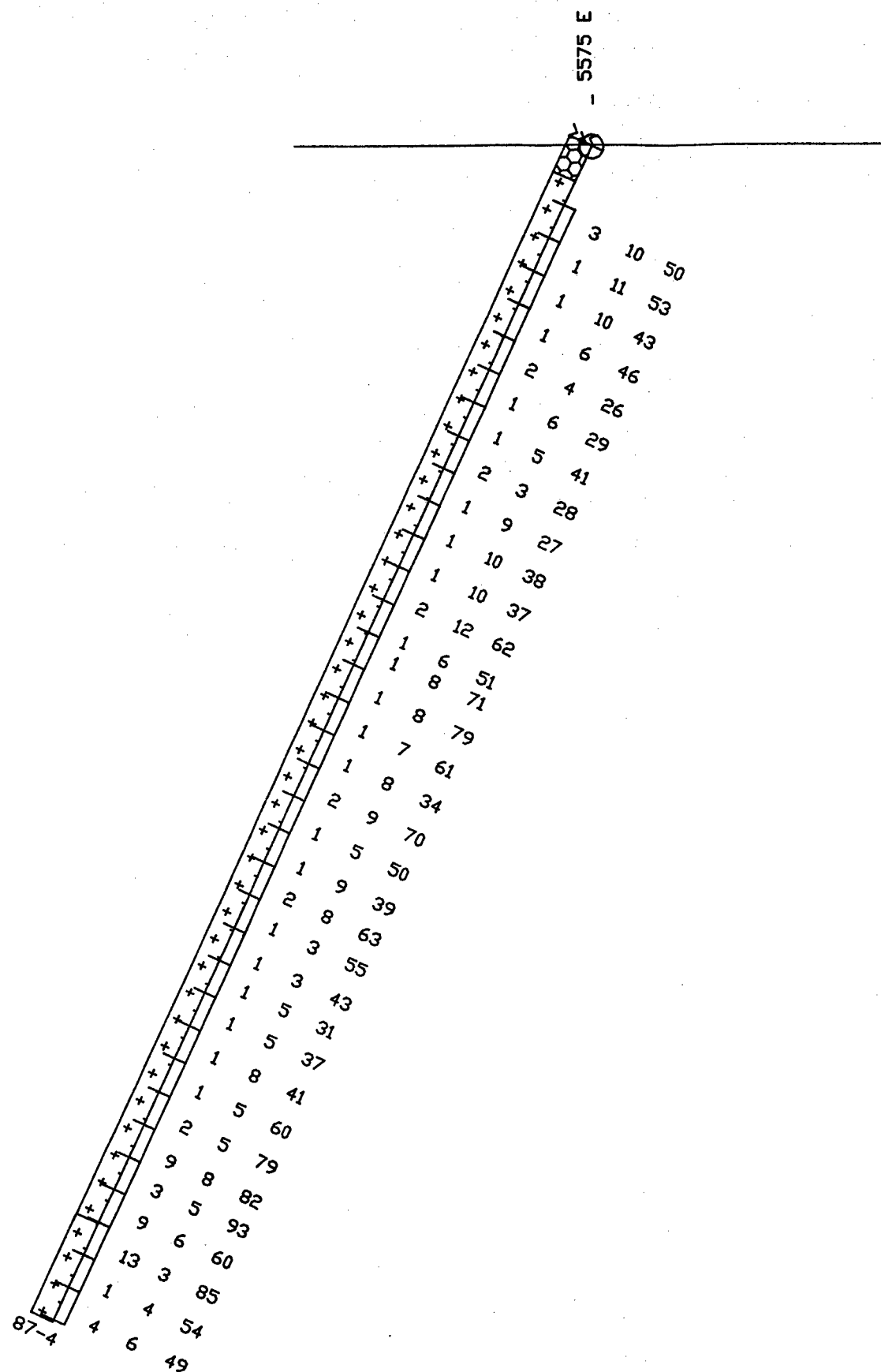
Hole TFP 87005 encountered moderately silicified grey, feldspar porphyritic rhyolite, similar to Hole TFP 87002, at a depth of 73 feet. The rhyolite carries 1 to 5% disseminated pyrite and up to 20% quartz and feldspar phenocrysts supported by an aphanitic grey groundmass. A fault at 228 feet marks the contact with moderately silicified, light brown hornblende diorite similar to the bottom of Hole 87004. Gold values reach a high of 16 ppb at the top of the rhyolite but are less than 10 ppb elsewhere. Arsenic ranges from 13 to 40 ppm in the rhyolite but is less than 10 ppm in the hornblende diorite.

Hole TFP 87006, collared west of the first hole, drilled to the west from the chargeability high, across the 'contact' of the VLF-EM survey. The hole encountered the feldspar porphyritic rhyolite found in Holes 87001 and 87005. A decrease in disseminated pyrite from 5% to less than 1% at 108 feet marks the VLF 'contact'. Gold values of 11 to 83 ppb returned from 35 feet to 108 feet drop to detection limits from this point to the bottom the the hole. Arsenic varies from 5 to 39 ppm over the entire 328 feet length of the hole.

GEOLOGICAL BRANCH
ASSESSMENT REPORT





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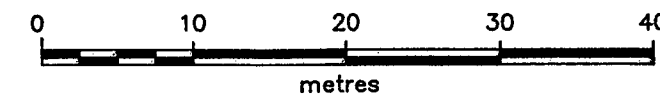
Section at AZM 260°, facing North



LEGEND

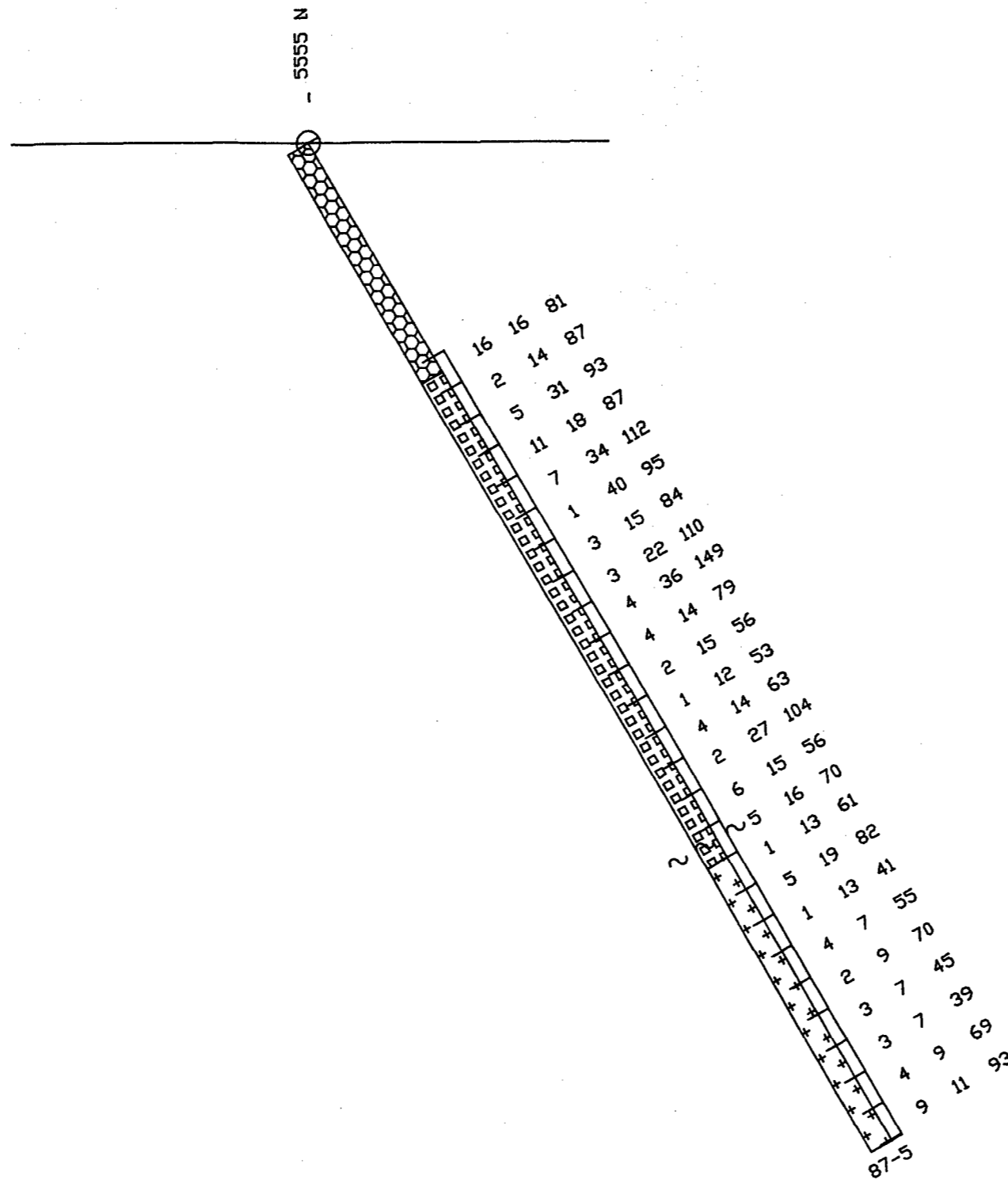
23 5 124 Au, As, Cu
ppb ppm ppm

-  Overburden
-  Grey, feldspar porphyritic rhyolite
-  Hornblende Diorite
-  Fault



QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87004			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 14
Originator: AWG	N.T.S. 92L10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Section at AZM 180°, facing East







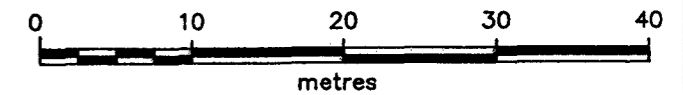
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ASSESSMENT REPORT

LEGEND

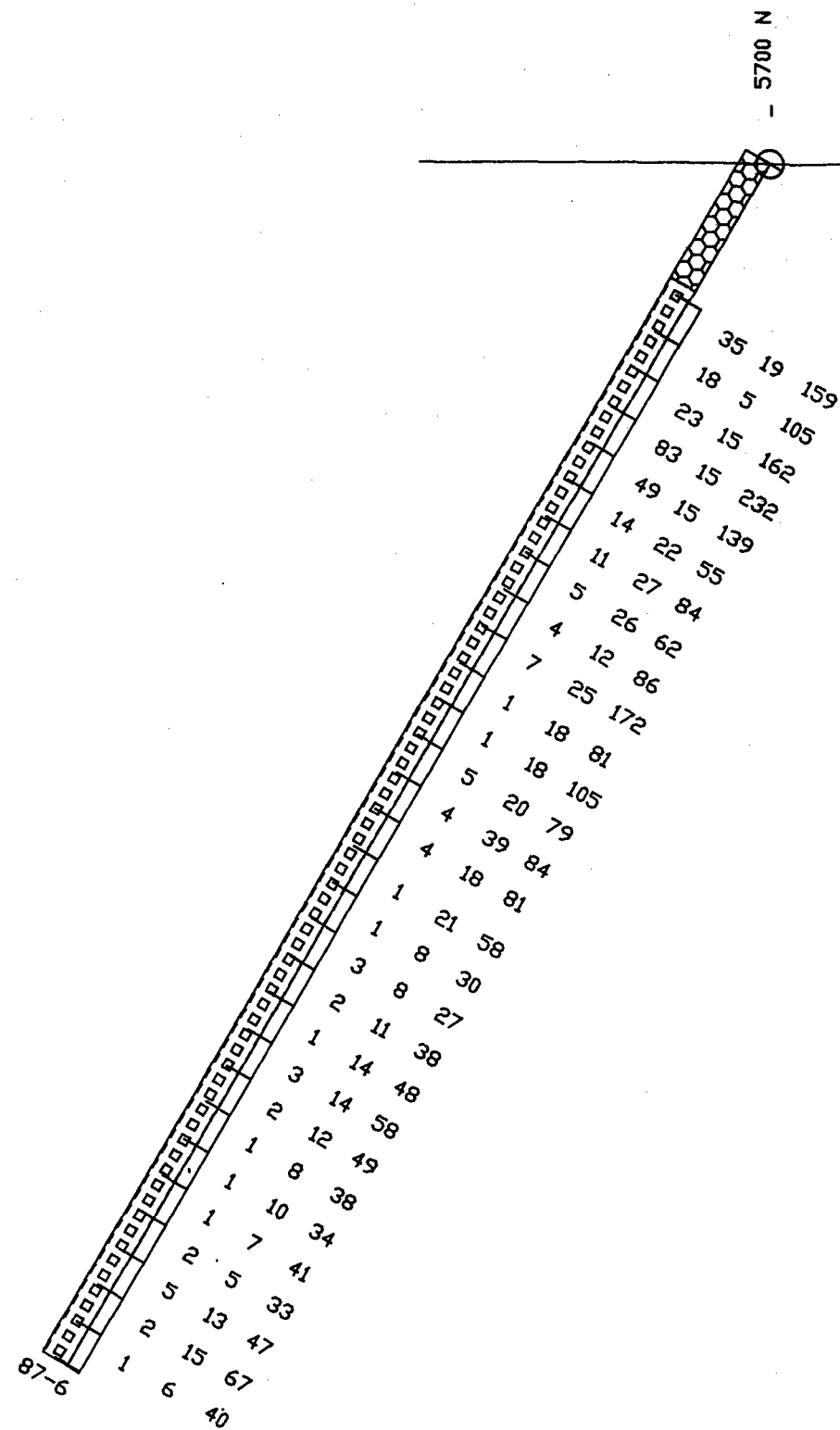
23 5 124 Au, As, Cu
ppb ppm ppm

-  Overburden
-  Grey, feldspar porphyritic rhyolite
-  Hornblende Diorite
-  Fault







QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87005			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 15
Originator: AWG	N.T.S. 92L10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

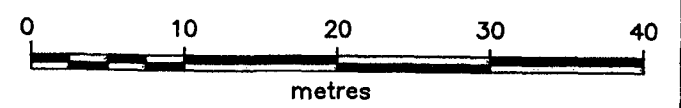
Section at AZM 260°, facing North



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ASSESSMENT REPORT

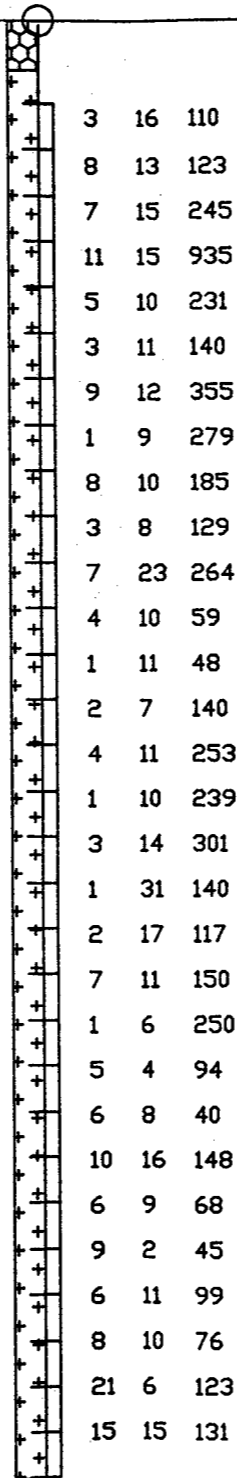
- LEGEND**
- 23 5 124 Au, As, Cu
ppb ppm ppm
-  Overburden
 -  Grey, feldspar porphyritic rhyolite
 -  Hornblende Diorite
 -  Fault



QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87006			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec.'87	FIGURE 16
Originator: AWG	N.T.S. 92L10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Section at 5825 N facing North

5487 E



87-7

16,641

GEOLOGICAL BRANCH
ASSESSMENT REPORT

LEGEND

- 23 5 124 Au, As, Cu
ppb ppm ppm
- Overburden
- Grey, feldspar porphyritic rhyolite
- Hornblende Diorite
- ~ ~ Fault



QPX MINERALS INC.			
THOM - FEHR CLAIMS			
SECTION THROUGH PERCUSSION DRILL HOLE - 87007			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE
Originator: AWG		N.T.S. 92L10,11,14,15	17
MINEQUEST EXPLORATION ASSOCIATES LTD.			

The last hole, TFP 87007, is a vertical hole at the northern end of the open chargeability high. This hole encountered weakly altered to moderately silicified medium grained hornblende diorite carrying up to 5% disseminated pyrite. Quartz veining is rare. Gold and arsenic values are uniformly low.

7.2 South Grid

7.2.1 Geophysics

The VLF-EM survey covered lines L1900N to L2800N. Contouring of tilt angle measurements has defined two fracture zones; one trending north-northwest following the projected trace of Rattlesnake Creek Fault, and a second fracture trending north-northeast. Contouring quadrature data confirms the north-northwest trending feature but does not show Rattlesnake Creek Fault. The north-northeast trending fracture is parallel to Jimmies Creek and may represent a conjugate fracture to Rattlesnake Creek Fault (See Figures 23, 24).

No magnetometry data is available due to instrument failure.

7.2.2 Soil Chemistry

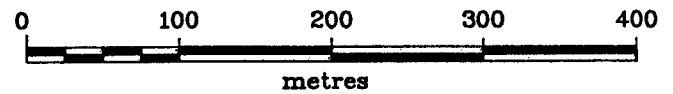
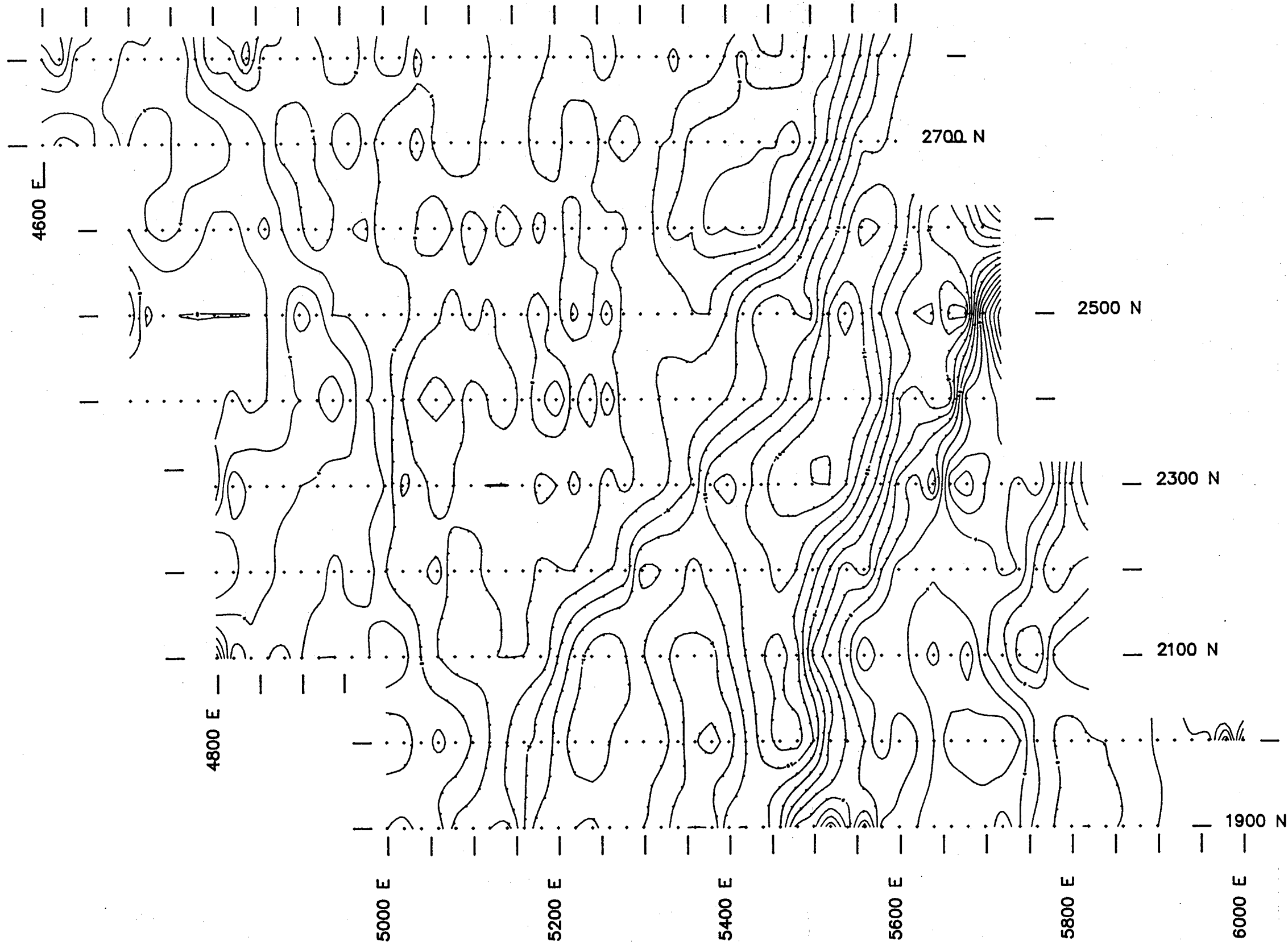
Arsenic provided the best response from the soil sampling survey. Anomalous values were returned consistently between L1400N and L2400N. To the south there are only scattered values above background, and to the north the values are only weakly anomalous. There is a north-northwest trend to the anomalous (>20 ppm) arsenic values with a north-northeast indication in the area of L2000N at 5900E. (See Figure 20)

Gold values are mostly at background levels, with a high of 660 ppb on L2000N at 5450E, with 140 ppb at L1500N at 5345E. (See Figure 19)



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ASSESSMENT REPORT

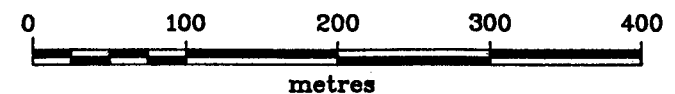
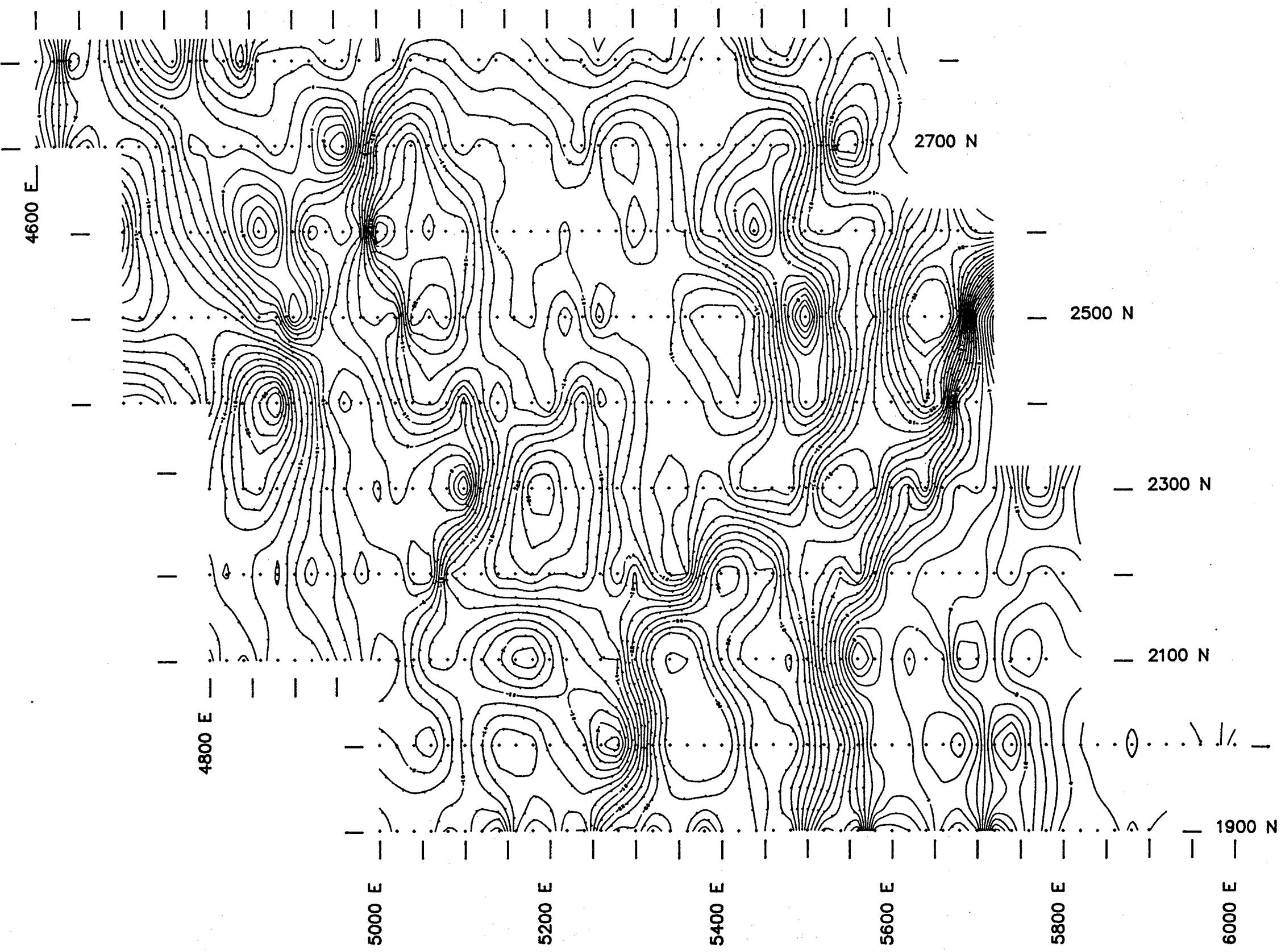


QPX MINERALS INC			
THOM - FEHR CLAIMS			
SOUTH GRID VLF-EM SURVEY QUADRATURE CONTOUR MAP 2% CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 23
Originator: AWG	N.T.S. 92L10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			



16,641

GEOLOGICAL BRANCH
ASSESSMENT REPORT



QPX MINERALS INC			
THOM - FEHR CLAIMS			
SOUTH GRID VLF-EM SURVEY TILT ANGLE CONTOUR MAP 2% CONTOUR INTERVAL			
PLAN No.	DRAWN BY: GEO-COMP	DATE Dec. '87	FIGURE 24
Originator: AWG	N.T.S. 92L10,11,14,15		
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Antimony and selenium both returned scattered values in excess of 10 ppm with no apparent control on distribution. (See Figure 21, 22) Bismuth, molybdenum, and silver are consistently low with one exception; 8.5 ppm Ag returned at L2200N, 5000E.

8.0 CONCLUSIONS

8.1 North Grid

Reverse circulation percussion drilling and geophysical surveys have defined a pyrite halo associated with a rhyolite body emplaced along Rattlesnake Creek. Drilling has shown that the chargeability high is related to the pyrite content of both the hornblende diorite and the rhyolite. Alteration of the older hornblende diorite decreases with decreasing pyrite content, away from the rhyolite contact. The pyrite is found within the rhyolite near the contact and up to 50m(?) from the contact with the hornblende diorite. Weakly anomalous gold values up to 106 ppb were returned from pyritic zone within the rhyolite.

8.2 South Grid

A broad zone of geochemically anomalous arsenic values in soils are found in the general area of the intersection of two geophysical features. The high gold value of 660 ppb is found along the geophysically inferred trace of Rattlesnake Creek Fault. Antimony values, where anomalous, are also clustered in the same zone as the arsenic values suggesting some stratigraphic control. The VLF-EM has confirmed the extension of Rattlesnake Creek Fault, trending north-northwest, and defined an unrecognized fracture system trending north-northeast, parallel to the trace of Jimmies Creek.

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APPENDIX I
LABORATORY METHODS

APPENDIX I

LABORATORY METHOD

SOIL GEOCHEMISTRY

Soil samples were shipped to Bondar-Clegg & Company Ltd. in North Vancouver for preparation and analysis. Samples were sieved to minus -80 mesh, composited and subjected to various extraction and analytical techniques.

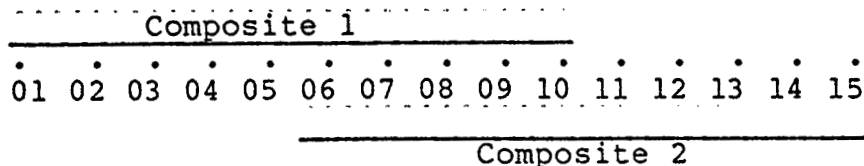
Au - Fire assay extraction followed by atomic absorption analysis.

Ag, As, Bi, Mo, Sb, Se -
Hot LeFort Aqua Regia (HNO₃-HCl, 3:1)
extraction followed by D.C. Plasma analysis.

It is important to note that for the D.C.P. technique, the extraction process is only partial for several of the elements reported.

EXPLANATION OF COMPOSITING TECHNIQUE

As a routine procedure, samples were prepared and a sub-sample from each of 10 consecutive samples was blended in a composite sample which was analyzed. Composites were prepared to overlap by five individual samples, e.g.:



This procedure, in addition to reducing analytical costs, provides a smoothing or averaging of values. It is important to note that the integrity of the original samples is not destroyed; they can be analyzed on an individual basis if desired.

ROCK GEOCHEMISTRY

The drill cutting samples were shipped to Acme Analytical Laboratories Ltd., of Vancouver, B.C. The cuttings were crushed to less than 3/16 inch size, from which a 200 gram split was pulverized to 98% minus 100 mesh. A 0.500 gram sample was then subjected to a 30-element ICP (inductively coupled plasma) analytical technique, after digestion for one hour at 95°C in 3:1:2-HCL:HNO₃:H₂O. In addition, gold contents were determined by fire assay extraction followed by atomic absorption analysis.

Selected duplicate samples of the drill cuttings were submitted to Bonder-Clegg and Company Ltd., in North Vancouver.

Each sample was put through a primary jaw crusher followed by a secondary cone crusher, which reduced the sample to 80% less than 10 mesh. A representative split of approximately 250 grams was obtained by passing the entire crushed sample through a Jones Riffle splitter. This split was then pulverized for 2.5 minutes in a ring and puck grinder which reduced the particle size to 99% less than 100 mesh. The samples were analyzed as follows:

- Au: One assay ton by fire assay extraction and atomic absorption determination
- Hg: Hot Lefort Aqua Regia (HNO₃-HCL, 3:1) extraction, cold vapour atomic absorption determination
- Ag, As, Cu, Mo, Sb, Zn:
Hot Lefort Aqua Regia (HNO₃-HCL, 3:1) extraction
D.C. Plasma analysis

It should be noted that for both the D.C. Plasma and ICP techniques, the extraction process is only partial for several of the elements reported.

APPENDIX II
LABORATORY REPORTS

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JNL 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 HG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CUTTING AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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4
4 AWG.

DATE RECEIVED: SEPT 22 1987

DATE REPORT MAILED: Oct 7/87

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

MINEQUEST EXPLORATION File # 87-4461 Page 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	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
87001	1	50	18	166	.1	5	16	484	3.40	68	5	ND	2	35	1	2	2	22	2.17	.015	2	2	.70	43	.01	12	.58	.08	.09	1	5
87002	2	22	7	89	.1	3	21	476	3.17	46	5	ND	2	22	1	2	2	30	1.42	.036	3	2	.86	28	.01	12	.44	.07	.09	1	1
87003	2	11	17	41	.1	3	14	252	3.09	7	5	ND	2	19	1	2	2	29	.88	.036	3	2	.72	39	.01	14	.26	.09	.05	4	1
87004	4	18	12	47	.1	2	12	231	3.18	4	5	ND	2	20	1	2	2	25	1.01	.036	2	1	.63	41	.01	11	.29	.08	.09	4	1
87005	4	17	10	60	.2	3	14	331	3.41	6	5	ND	2	28	1	2	2	20	1.82	.032	4	1	.92	36	.01	7	.42	.06	.19	2	4
87006	4	22	43	119	.5	2	15	336	4.21	8	5	ND	2	31	1	2	2	11	2.09	.027	3	1	.97	29	.01	10	.35	.05	.18	2	5
87007	4	32	10	48	.1	3	12	287	4.51	8	5	ND	1	28	1	2	2	18	1.65	.025	3	4	.77	25	.01	9	.39	.06	.16	4	12
87008	2	24	11	45	.2	3	14	275	4.54	10	5	ND	2	28	1	2	2	22	1.56	.028	3	2	.82	26	.01	19	.42	.06	.17	4	9
87009	3	32	8	52	.3	4	14	277	4.44	12	5	ND	2	27	1	2	2	28	1.26	.036	4	1	.74	20	.01	12	.45	.07	.19	5	13
87010	2	42	14	47	.1	5	15	215	5.61	14	5	ND	2	26	1	2	2	19	1.11	.033	3	1	.59	12	.01	10	.41	.07	.17	4	32
87011	3	31	13	44	.2	4	18	240	3.97	7	5	ND	2	39	1	2	2	23	1.75	.030	2	1	.77	23	.01	9	.50	.05	.14	3	25
87012	2	21	10	63	.1	7	11	313	3.75	8	5	ND	2	38	1	2	2	40	1.72	.069	3	1	.87	31	.01	9	.40	.07	.11	2	14
87013	1	17	12	67	.1	4	10	241	4.06	5	5	ND	2	30	1	2	2	35	1.18	.043	2	2	.66	30	.01	21	.35	.10	.06	6	4
87014	1	16	8	69	.1	2	11	175	3.70	5	5	ND	2	22	1	3	2	21	.84	.040	2	1	.43	32	.01	10	.23	.07	.08	5	18
87015	2	15	10	88	.1	3	15	233	4.16	4	5	ND	1	27	1	2	2	25	1.33	.037	2	2	.53	29	.01	14	.32	.08	.05	3	12
87016	2	17	4	62	.1	3	12	209	3.83	6	5	ND	1	35	1	3	2	26	1.49	.034	2	2	.56	29	.01	12	.33	.08	.09	3	10
87017	3	21	12	132	.2	4	16	316	4.19	9	5	ND	2	41	1	2	2	22	2.40	.026	2	1	1.08	17	.01	7	.33	.06	.06	2	9
87018	2	20	6	71	.1	4	15	220	4.06	6	5	ND	2	31	1	2	2	27	1.40	.036	3	1	.67	30	.01	21	.30	.08	.07	4	106
87019	2	16	7	61	.1	7	19	271	4.63	9	5	ND	2	35	1	2	2	32	1.52	.054	4	1	.70	20	.01	11	.38	.07	.12	1	18
87020	2	15	7	66	.3	8	19	373	4.31	8	5	ND	3	48	1	2	2	32	2.49	.073	6	1	1.05	19	.01	21	.40	.07	.13	2	21
87021	2	18	9	64	.4	7	12	383	4.19	9	5	ND	3	58	1	3	2	27	3.27	.046	4	1	1.41	26	.01	19	.41	.06	.17	2	8
87022	2	18	7	68	.1	3	13	270	3.95	9	5	ND	2	44	1	2	2	20	2.31	.029	2	1	1.03	29	.01	19	.38	.06	.10	1	6
87023	4	22	13	96	.1	4	16	311	4.19	7	5	ND	2	42	1	5	2	20	2.39	.024	2	2	1.09	21	.01	17	.30	.06	.06	2	13
87024	3	27	19	111	.5	3	14	424	4.07	8	5	ND	2	35	1	2	2	17	2.95	.030	2	1	1.33	22	.01	8	.31	.06	.10	2	16
87025	2	28	16	73	.1	4	13	322	3.75	10	5	ND	2	31	1	2	2	20	2.34	.032	3	1	1.08	21	.01	11	.33	.06	.11	1	95
87026	2	30	33	76	.1	4	15	195	4.35	9	5	ND	2	29	1	2	2	18	1.41	.026	2	1	.67	17	.01	19	.27	.07	.08	3	11
87027	1	24	19	69	.1	3	12	254	3.58	7	5	ND	1	38	1	2	2	20	1.87	.022	2	2	.90	16	.01	9	.24	.07	.07	3	8
87028	1	26	14	66	.2	4	12	286	4.21	6	5	ND	2	35	1	2	2	20	2.38	.031	2	2	1.02	17	.01	11	.28	.07	.08	2	23
87030	2	22	13	77	.1	6	10	291	3.85	8	5	ND	2	30	1	2	2	23	1.78	.054	4	1	.86	23	.01	9	.31	.07	.12	1	47
87031	2	24	11	53	.1	4	15	205	3.81	6	5	ND	2	20	1	2	2	20	1.16	.045	4	1	.56	29	.01	12	.33	.07	.13	1	21
87038	2	25	3	48	.1	3	5	401	2.91	4	5	ND	2	46	1	2	2	41	3.13	.032	3	1	1.00	113	.01	9	.32	.05	.11	2	1
87039	4	72	6	48	.1	3	8	386	2.83	8	5	ND	2	48	1	2	2	31	2.37	.042	6	1	.93	128	.01	8	.28	.06	.12	3	1
87040	8	258	8	63	.4	4	9	367	3.49	29	5	ND	3	41	1	2	2	34	1.68	.034	6	1	.77	99	.01	7	.33	.06	.11	1	9
87041	6	172	7	61	.3	3	10	314	3.44	15	5	ND	2	45	1	2	2	36	1.58	.041	7	3	.76	101	.02	18	.45	.08	.11	1	6
87042	16	816	11	58	.7	3	12	355	3.70	40	5	ND	3	39	1	2	2	36	1.56	.041	9	1	.58	65	.01	9	.37	.07	.09	2	22
87043	9	201	6	69	.1	2	8	354	3.01	15	5	ND	2	42	1	2	2	33	1.30	.038	6	1	.61	133	.01	10	.33	.07	.10	1	7
STD C/AU-K	19	57	39	132	7.2	68	27	1028	4.00	38	18	8	39	50	18	17	23	57	.50	.085	38	58	.87	179	.08	38	1.86	.08	.13	12	480

MINEQUEST EXPLORATION FILE # 87-4461

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 %	NA %	K %	M PPM	AU# PPB
87044	10	170	10	80	.2	3	8	347	3.51	21	5	ND	2	45	1	2	2	39	1.53	.040	6	1	.77	108	.01	5	.43	.08	.10	1	3
87045	5	99	3	70	.1	3	7	372	2.96	17	5	ND	3	68	1	2	2	39	3.85	.016	2	1	1.32	225	.01	7	.41	.04	.09	1	2
87046	3	196	12	79	.3	20	14	642	5.44	23	5	ND	4	76	1	2	2	86	2.75	.079	9	18	1.28	126	.05	10	1.10	.10	.17	2	13
87047	4	136	20	175	.1	13	9	714	4.07	34	5	ND	2	90	1	9	2	45	3.48	.051	4	12	1.13	130	.02	18	.89	.05	.15	1	3
87048	9	243	52	192	.7	6	11	731	5.70	69	9	ND	3	59	2	21	2	35	2.66	.070	2	1	.90	27	.01	17	.52	.04	.16	2	12
87049	3	149	14	130	.1	4	8	1035	4.70	37	5	ND	2	53	1	5	2	45	3.33	.063	3	1	1.28	53	.01	11	.54	.04	.12	1	1
87050	3	317	18	172	.4	4	7	1341	5.21	98	5	ND	3	47	1	22	2	49	3.71	.039	2	2	1.52	52	.01	7	.47	.04	.08	1	7
87051	3	339	17	159	.5	4	8	1200	5.03	93	7	ND	3	39	1	7	2	47	2.71	.038	3	1	1.29	43	.01	7	.43	.06	.08	1	4
87052	3	226	15	203	.4	6	7	1187	4.36	73	5	ND	3	46	1	4	2	46	2.63	.048	4	1	1.33	65	.01	10	.44	.06	.11	1	1
87053	3	131	17	142	.1	11	9	1085	4.63	36	6	ND	3	60	1	4	2	74	3.58	.065	4	2	1.69	125	.01	10	.52	.05	.15	1	3
87054	2	101	8	114	.2	13	10	857	4.86	20	5	ND	3	61	1	2	2	85	3.03	.073	8	4	1.69	99	.01	13	.51	.06	.14	1	2
87055	5	125	7	99	.1	13	11	821	4.59	15	7	ND	4	62	1	2	2	78	2.78	.077	10	2	1.67	88	.01	11	.53	.05	.18	2	3
87056	5	184	10	136	.6	13	11	996	4.66	24	5	ND	4	73	1	2	2	77	3.62	.072	10	2	1.84	104	.01	7	.54	.05	.15	1	5
87057	4	86	9	125	.1	12	13	912	4.62	18	5	ND	2	71	1	2	2	69	3.30	.067	6	2	1.75	64	.01	9	.52	.05	.15	1	3
87058	3	303	16	168	.5	4	6	1303	5.07	93	7	ND	3	45	1	19	2	48	3.46	.038	2	1	1.47	57	.01	9	.46	.04	.08	1	6
87059	7	60	10	123	.1	13	10	909	4.52	17	5	ND	3	75	1	2	2	75	3.86	.071	6	1	1.83	78	.01	10	.58	.04	.17	1	2
87060	5	26	7	108	.1	13	8	859	4.48	10	5	ND	3	69	1	2	2	86	3.65	.075	8	3	1.77	138	.01	13	.54	.05	.17	1	1
87061	6	79	10	103	.2	17	10	868	4.28	25	5	ND	3	85	1	2	2	73	5.11	.068	4	12	1.83	101	.01	16	.63	.04	.17	1	3
87062	3	40	8	92	.1	4	8	468	3.82	19	5	ND	2	45	1	2	2	47	2.46	.043	4	1	1.08	47	.01	15	.42	.07	.11	1	6
87063	3	57	14	78	.3	5	9	539	3.91	34	5	ND	3	47	1	2	2	40	2.69	.040	6	2	.99	61	.01	2	.33	.06	.09	2	5
87064	2	98	7	59	.3	11	14	477	4.29	12	5	ND	5	55	1	2	2	71	2.64	.067	12	8	.98	60	.02	8	.86	.07	.12	2	5
87065	2	118	6	55	.2	8	13	516	4.05	8	5	ND	5	54	1	2	3	66	2.52	.056	10	5	.82	72	.01	4	.88	.07	.10	1	3
87066	6	76	10	82	.1	6	12	740	3.68	32	5	ND	3	68	1	2	2	47	3.78	.047	8	1	.99	90	.01	8	.45	.05	.08	1	5
87067	5	58	9	98	.4	6	9	629	3.57	16	5	ND	4	68	1	2	2	51	3.44	.055	6	2	1.13	127	.01	6	.59	.06	.11	1	1
87068	2	109	10	54	.1	4	12	422	3.63	9	5	ND	2	36	1	2	2	46	1.50	.043	7	1	1.09	101	.02	5	.99	.08	.09	2	1
87069	2	183	9	68	.2	7	18	490	3.59	13	5	ND	2	43	1	2	2	46	2.15	.049	7	3	1.10	84	.01	5	.98	.08	.10	2	1
87070	3	91	7	67	.1	6	10	404	3.44	17	5	ND	3	39	1	2	3	47	1.65	.054	5	1	.95	120	.01	8	.68	.07	.09	1	2
87071	2	131	8	63	.1	12	16	630	4.11	19	5	ND	3	61	1	2	2	73	2.85	.061	6	6	1.14	84	.01	14	.66	.07	.14	1	2
87072	2	88	9	68	.1	13	15	725	4.43	14	5	ND	3	79	1	2	2	75	3.70	.061	7	8	1.29	85	.01	11	.62	.06	.15	1	1
87073	2	84	10	66	.1	15	15	747	4.10	16	5	ND	2	82	1	2	2	89	3.57	.056	5	10	1.18	129	.03	12	.76	.07	.14	1	1
87074	2	113	8	72	.4	18	17	816	4.49	8	5	ND	3	64	1	2	2	107	2.69	.063	7	15	1.81	97	.06	4	1.47	.08	.11	1	1
87075	2	92	8	73	.1	15	16	919	3.96	9	5	ND	3	69	1	2	2	86	3.63	.065	9	12	1.18	114	.01	9	1.36	.07	.14	2	1
87076	3	173	18	119	.5	17	18	1097	4.21	9	5	ND	3	70	1	2	2	81	4.31	.057	8	10	1.09	79	.05	7	1.18	.07	.14	2	7
87077	2	96	12	79	.3	15	16	1013	4.39	7	5	ND	3	80	1	2	2	96	3.59	.060	8	11	1.20	136	.03	6	1.41	.07	.14	2	1
87078	2	90	9	73	.3	14	15	904	4.08	7	5	ND	2	81	1	2	2	95	3.64	.059	6	12	1.12	106	.07	8	1.31	.09	.13	2	1
87079	2	50	9	84	.2	23	11	670	3.75	10	5	ND	4	73	1	2	2	77	2.23	.072	9	28	1.10	172	.13	2	1.40	.11	.11	1	3
STD C/AU-R	19	58	38	132	7.4	67	27	1039	4.03	41	15	7	39	51	18	15	22	58	.50	.086	38	59	.89	182	.08	32	1.88	.08	.12	14	475

MINEQUEST EXPLORATION FILE # 87-4461

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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	AU# PPB
87080	1	53	10	77	.1	10	10	488	3.84	11	5	ND	1	44	1	2	2	54	2.81	.048	3	7	1.05	115	.01	9	.56	.06	.18	1	1
87081	1	43	23	85	.2	9	11	534	3.91	10	5	ND	1	42	1	2	2	60	3.51	.044	3	1	1.20	104	.01	3	.38	.04	.18	1	1
87082	1	46	20	56	.2	8	9	441	4.01	6	5	ND	2	38	1	2	2	75	2.40	.056	4	6	.92	190	.01	5	.41	.05	.19	1	1
87083	1	26	26	56	.1	4	9	386	3.31	4	5	ND	1	35	1	2	2	35	2.59	.030	2	3	.95	112	.01	3	.31	.06	.11	1	2
87084	1	29	29	42	.1	2	9	211	3.46	6	5	ND	2	23	1	2	2	37	.74	.040	6	3	.50	56	.01	2	.39	.07	.13	1	1
87085	1	41	49	78	.1	2	9	228	3.29	5	5	ND	1	18	1	2	2	34	.60	.040	5	2	.53	44	.01	2	.31	.06	.11	1	1
87086	1	28	29	52	.1	2	10	244	3.50	3	5	ND	1	24	1	2	2	37	.82	.038	5	2	.67	65	.01	7	.31	.07	.11	1	2
87087	1	27	38	57	.1	3	11	249	3.81	9	5	ND	2	29	1	2	2	48	.80	.039	5	1	.82	55	.01	2	.46	.06	.14	1	1
87088	1	38	21	105	.2	3	10	528	3.14	10	5	ND	1	38	1	2	2	40	2.14	.034	5	1	1.15	81	.01	2	.31	.06	.08	1	1
87089	4	37	19	75	.1	2	8	523	3.12	10	5	ND	1	39	1	2	2	40	1.88	.033	5	2	1.01	48	.01	2	.29	.06	.09	1	1
87090	2	62	17	66	.1	3	10	560	3.82	12	5	ND	1	37	1	2	2	36	1.49	.032	4	2	.88	37	.01	2	.30	.07	.08	1	2
87091	1	31	29	43	.1	3	10	223	3.65	6	5	ND	2	23	1	2	2	37	.75	.041	7	3	.50	58	.01	4	.39	.07	.11	2	1
87092	4	51	20	66	.1	3	11	491	3.33	6	5	ND	1	45	1	2	2	46	1.55	.036	7	2	.90	47	.01	6	.44	.07	.08	1	1
87093	4	71	29	72	.3	8	12	613	4.38	8	5	ND	1	71	1	2	2	76	2.64	.072	8	5	1.11	49	.01	5	.73	.05	.13	1	1
87094	1	79	12	61	.1	9	11	573	4.42	8	5	ND	1	68	1	2	2	96	3.22	.082	9	3	1.15	48	.02	2	1.05	.06	.12	1	1
87095	3	61	7	77	.1	12	11	672	4.92	7	5	ND	1	70	1	2	2	106	3.23	.080	9	6	1.76	67	.02	2	1.35	.06	.11	1	1
87097	3	34	12	57	.2	11	8	459	4.49	9	5	ND	1	61	1	2	2	101	2.12	.080	10	4	1.55	52	.03	3	1.26	.07	.11	1	2
87097A	2	70	5	51	.2	10	15	440	4.43	8	5	ND	3	72	1	2	2	91	2.34	.082	10	5	1.29	118	.02	2	.73	.07	.12	2	1
87098	3	50	6	49	.2	10	11	431	4.82	5	5	ND	2	91	1	2	2	101	2.52	.085	9	6	1.20	62	.01	6	.68	.06	.17	1	1
87099	1	39	8	46	.2	9	10	455	4.49	9	5	ND	1	95	1	2	2	96	3.42	.073	9	6	1.21	36	.02	10	.65	.06	.13	1	1
87100	1	63	9	46	.2	11	16	476	4.79	8	5	ND	1	80	1	2	2	97	3.35	.083	10	5	1.06	91	.02	7	.72	.06	.16	1	2
87101	1	55	5	51	.3	10	15	554	4.61	6	5	ND	2	80	1	2	2	96	3.71	.075	7	3	1.34	187	.01	7	.42	.05	.15	2	1
87102	1	43	20	59	.3	4	9	390	3.49	9	5	ND	1	45	1	2	2	47	2.32	.036	4	2	1.01	122	.01	2	.44	.07	.12	1	1
87103	1	31	4	51	.1	3	8	341	3.27	5	5	ND	1	44	1	2	2	47	1.98	.032	3	1	1.01	106	.01	3	.32	.07	.10	1	1
87104	1	37	6	63	.2	8	9	564	4.29	5	5	ND	1	67	1	2	2	84	3.47	.068	5	3	1.35	96	.01	9	.43	.06	.17	1	1
87105	1	41	5	64	.3	10	11	564	4.65	8	5	ND	2	82	1	2	2	97	4.14	.081	7	3	1.54	93	.01	6	.42	.06	.15	1	1
87106	1	60	4	63	.2	10	10	692	4.03	5	5	ND	1	98	1	2	2	67	6.86	.058	4	2	1.36	139	.01	2	.32	.04	.10	1	1
87107	1	79	7	53	.4	9	8	700	4.29	5	5	ND	1	96	1	2	2	95	7.91	.061	5	3	1.26	196	.01	2	.31	.04	.12	1	2
87108	3	82	4	61	.2	12	12	473	5.07	8	5	ND	1	75	1	2	2	103	3.33	.075	6	6	1.50	351	.01	3	.41	.06	.12	1	9
87109	1	93	13	56	.4	11	12	453	4.23	5	5	ND	2	68	1	2	2	78	3.10	.069	6	4	1.28	194	.01	8	.41	.07	.14	1	3
87110	1	60	4	54	.3	10	11	411	4.02	6	5	ND	3	70	1	2	2	73	2.87	.065	4	5	1.23	221	.01	4	.41	.07	.14	1	9
87111	2	85	5	56	.4	11	10	541	4.00	3	5	ND	2	95	1	2	2	85	4.27	.067	6	5	1.57	93	.01	12	.48	.07	.15	1	13
87112	1	54	7	72	.3	10	12	536	4.52	4	5	ND	1	84	1	2	2	89	4.90	.072	4	3	1.73	97	.01	10	.50	.05	.17	1	1
87113	1	49	3	63	.4	11	7	480	4.87	6	5	ND	1	77	1	2	2	100	3.30	.081	7	4	1.47	88	.01	10	.46	.07	.19	1	4
87114	1	81	9	97	.4	10	11	520	4.12	16	5	ND	2	70	1	3	2	71	2.90	.057	5	12	1.09	270	.02	9	.83	.07	.17	1	16
87115	4	87	30	90	.2	8	15	437	4.22	14	5	ND	1	41	1	2	2	43	2.90	.031	2	2	1.16	69	.01	2	.43	.05	.10	1	2
STD C/AU-R	18	57	37	132	7.0	67	27	1031	3.95	36	18	7	40	50	18	15	20	57	.49	.086	38	59	.86	180	.08	32	1.84	.08	.14	12	480

MINEQUEST EXPLORATION FILE # 87-4461

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 %	NA %	K %	W PPM	AUX PPM
87116	16	93	7	101	.1	4	15	474	3.62	31	5	ND	1	45	1	2	2	37	3.88	.049	2	2	1.43	49	.01	9	.40	.05	.06	1	5
87117	5	87	23	86	.1	5	20	480	3.58	18	5	ND	1	37	1	2	2	38	3.01	.022	2	3	1.13	51	.01	12	.37	.06	.06	1	11
87118	9	112	8	94	.3	5	15	521	3.42	34	5	ND	1	47	1	2	2	41	4.07	.015	2	1	1.30	76	.01	12	.44	.04	.07	1	7
87119	7	95	12	64	.1	4	11	432	3.65	40	5	ND	1	43	1	2	2	44	3.80	.018	2	3	1.29	88	.01	10	.43	.04	.07	1	1
87120	12	84	6	69	.4	7	11	483	3.93	15	5	ND	1	48	1	2	2	50	3.90	.025	2	2	1.37	44	.01	8	.43	.04	.08	1	3
87121	4	110	10	85	.2	10	12	511	4.45	22	5	ND	2	45	1	2	2	54	3.17	.046	3	6	1.29	50	.01	21	.46	.05	.18	1	3
87122	7	149	6	95	.3	6	15	523	3.92	36	5	ND	1	35	1	2	2	39	3.14	.034	2	3	1.12	32	.01	11	.30	.06	.07	2	4
87123	8	79	5	85	.1	4	10	544	3.95	14	5	ND	1	39	1	2	2	43	2.70	.030	3	3	1.09	53	.01	11	.39	.06	.09	1	4
87124	3	56	4	114	.2	4	8	578	3.20	15	5	ND	1	49	1	2	2	36	5.11	.014	2	1	1.71	107	.01	8	.37	.03	.08	1	2
87125	16	53	4	75	.1	4	10	492	3.45	12	5	ND	1	38	1	2	2	36	4.21	.021	2	1	1.37	68	.01	7	.30	.04	.07	1	1
87126	3	63	6	104	.1	4	9	658	3.57	14	5	ND	1	36	1	2	2	37	2.71	.028	3	1	1.08	66	.01	7	.30	.06	.09	1	4
87127	11	104	5	118	.1	6	10	655	3.61	27	5	ND	1	42	1	2	2	41	3.62	.030	2	2	1.27	79	.01	9	.36	.05	.12	1	2
87128	2	56	3	65	.1	3	9	426	2.96	15	5	ND	1	33	1	2	2	31	3.39	.026	2	2	1.13	85	.01	13	.28	.05	.09	1	6
87129	3	70	5	117	.1	6	12	552	3.84	16	5	ND	1	44	1	2	2	37	4.06	.025	2	2	1.40	63	.01	9	.37	.05	.11	1	5
87130	4	61	18	89	.1	6	11	527	3.42	13	5	ND	1	47	1	2	2	40	4.11	.027	2	3	1.39	93	.01	12	.39	.05	.11	1	1
87131	9	113	7	86	.2	10	12	515	4.45	24	5	ND	1	45	1	2	2	54	3.17	.046	2	6	1.30	60	.01	13	.44	.05	.17	1	3
87132	1	82	11	107	.2	7	10	571	3.72	19	5	ND	1	49	1	2	2	47	3.03	.038	3	6	1.26	82	.01	15	.39	.05	.13	1	5
87133	2	41	12	132	.1	10	7	640	3.82	13	5	ND	1	56	1	2	2	59	2.62	.050	4	8	1.34	142	.01	17	.46	.06	.18	1	1
87134	5	55	9	83	.1	7	9	468	3.53	7	5	ND	1	41	1	2	2	51	2.61	.042	5	4	1.28	111	.01	13	.39	.07	.12	1	4
87135	7	70	15	62	.1	7	11	370	3.52	9	5	ND	1	44	1	2	2	44	2.18	.036	4	6	1.02	106	.01	18	.47	.08	.13	1	2
87136	8	45	17	63	.1	6	10	312	3.28	7	5	ND	2	36	1	2	2	44	1.56	.036	4	3	1.03	119	.01	9	.40	.08	.10	2	3
87137	2	39	9	79	.3	10	8	387	4.14	7	5	ND	1	47	1	2	2	63	2.35	.047	4	7	1.22	109	.01	14	.49	.07	.16	1	3
87138	2	69	15	58	.2	8	14	345	3.69	9	6	ND	2	36	1	2	2	47	1.65	.039	5	7	1.07	77	.02	8	.55	.08	.11	1	4
87139	5	93	10	70	.2	7	10	431	3.63	11	5	ND	1	42	1	2	2	54	2.63	.040	4	6	1.23	112	.01	9	.40	.07	.13	1	9
87140	3	159	19	111	.3	8	14	420	7.50	19	5	ND	1	32	1	2	2	50	1.04	.048	2	6	.93	23	.01	8	1.14	.24	.29	1	35
87141	1	105	10	83	.1	3	14	463	6.14	5	5	ND	1	22	1	2	2	51	.93	.033	2	1	1.57	13	.01	14	.87	.08	.09	3	18
87142	1	162	13	91	.3	2	14	544	7.67	15	5	ND	1	22	1	2	2	61	1.00	.032	2	3	2.06	10	.01	3	1.17	.07	.06	2	23
87143	1	232	11	91	.2	3	14	447	7.21	15	5	ND	1	26	1	2	2	54	1.07	.028	2	1	1.68	9	.01	9	.98	.07	.11	1	83
87144	1	139	8	92	.1	2	10	476	7.20	15	5	ND	1	29	1	2	2	42	1.23	.025	2	1	1.60	11	.01	9	.76	.07	.15	2	49
87145	1	55	10	86	.1	2	11	623	6.61	22	5	ND	1	44	1	2	2	32	3.33	.019	2	2	1.66	21	.01	8	.56	.05	.15	1	14
87146	1	84	10	84	.1	3	12	607	6.02	27	5	ND	1	44	1	2	2	33	3.13	.023	2	1	1.55	21	.01	7	.45	.05	.08	1	11
87147	1	62	9	74	.2	4	5	326	3.17	26	5	ND	1	29	1	2	2	11	1.86	.005	2	1	.86	30	.01	7	.45	.04	.14	2	5
87148	2	86	10	91	.2	17	11	686	3.76	12	5	ND	1	56	1	2	2	29	2.29	.010	2	16	1.24	29	.01	7	.37	.05	.11	1	4
87149	1	172	8	232	.4	46	28	1795	7.08	25	5	ND	1	69	1	2	2	110	4.12	.020	2	48	2.29	18	.01	16	.58	.04	.12	1	7
87150	27	81	26	135	.3	20	13	747	3.76	18	5	ND	1	46	1	2	2	39	2.98	.050	2	18	1.20	28	.01	11	.49	.03	.12	1	1
87151	6	105	9	64	.1	5	7	87	1.80	18	5	ND	1	14	1	2	3	3	.35	.003	2	3	.17	31	.01	11	.32	.03	.13	1	1
STD C/AU-R	18	58	38	132	7.0	68	27	1030	4.01	39	18	7	38	49	18	18	22	57	.50	.085	37	59	.88	177	.08	37	1.87	.08	.13	13	510

MINEQUEST EXPLORATION FILE # 87-4461

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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 %	NA %	K %	W PPM	AU# PPM
87152	37	79	6	333	.7	6	9	103	2.10	20	5	ND	1	25	1	2	2	4	.66	.002	2	3	.13	22	.01	5	.16	.04	.07	4	5
87153	18	84	5	46	.4	3	8	63	1.72	39	5	ND	1	18	1	4	2	3	.30	.002	2	1	.08	42	.01	7	.18	.05	.09	6	4
87154	4	81	13	128	.4	3	6	74	2.03	18	5	ND	1	22	1	2	2	2	.51	.002	2	2	.08	47	.01	8	.21	.04	.11	3	4
87155	6	58	11	76	.6	3	5	36	1.56	21	7	ND	1	9	1	2	2	1	.17	.001	2	1	.04	72	.01	4	.14	.04	.08	3	1
87156	5	30	4	48	.4	3	1	36	.94	8	5	ND	1	14	1	2	2	1	.14	.001	2	2	.04	133	.01	5	.14	.05	.05	5	1
87157	4	27	4	16	.4	3	2	32	1.68	8	5	ND	1	7	1	2	2	1	.09	.001	2	1	.04	82	.01	6	.17	.04	.07	3	3
87158	7	38	6	41	.4	3	2	37	1.16	11	5	ND	1	11	1	2	2	1	.05	.001	2	4	.03	143	.01	8	.17	.06	.07	4	2
87159	7	48	14	36	.2	3	2	37	1.34	14	5	ND	1	14	1	2	2	1	.08	.002	3	2	.04	90	.01	8	.18	.06	.07	4	1
87160	5	58	19	32	.3	3	2	40	1.11	14	6	ND	1	12	1	2	2	1	.13	.001	2	2	.05	117	.01	5	.16	.04	.05	4	3
87161	38	90	7	51	.2	6	9	108	2.31	21	5	ND	1	32	1	2	2	4	.65	.002	2	3	.12	20	.01	11	.26	.06	.11	5	5
87162	5	49	6	33	.3	4	2	50	1.23	12	5	ND	1	12	1	2	2	1	.10	.001	3	5	.04	141	.01	3	.15	.07	.04	6	2
87163	8	38	17	24	.3	4	2	66	1.46	8	5	ND	1	15	1	2	2	1	.28	.001	2	1	.07	80	.01	4	.15	.04	.07	3	1
87164	7	34	38	34	.2	3	2	105	1.13	10	5	ND	1	28	1	2	2	1	.71	.001	2	1	.13	80	.01	7	.22	.04	.09	4	1
87165	9	41	32	23	.5	3	1	55	1.01	7	5	ND	2	40	1	3	2	1	.21	.001	3	3	.09	75	.01	8	.30	.03	.13	3	1
87166	8	33	52	69	.4	4	2	54	1.40	5	5	ND	1	26	1	3	2	1	.24	.001	2	1	.08	68	.01	7	.27	.02	.12	3	2
87167	20	47	97	124	.5	5	2	56	1.46	13	5	ND	1	25	1	2	2	1	.21	.001	2	1	.09	55	.01	9	.24	.02	.12	3	5
87168	11	67	101	48	.3	4	2	91	1.39	15	5	ND	1	20	1	2	2	1	.30	.001	2	1	.13	53	.01	9	.23	.02	.11	4	2
87169	3	40	23	49	.3	5	6	180	1.51	6	5	ND	1	24	1	2	2	3	.68	.002	3	1	.26	65	.01	7	.26	.05	.12	5	1
87170	3	110	5	141	1.3	13	11	1434	4.26	16	5	ND	2	49	1	2	2	78	4.42	.064	12	5	1.75	68	.01	9	1.69	.04	.12	1	3
87171	3	123	13	175	.8	10	11	1046	4.27	13	5	ND	3	44	1	2	2	73	2.93	.060	12	5	1.65	34	.01	6	1.37	.05	.11	1	8
87172	6	245	10	153	.5	13	11	968	4.74	15	5	ND	3	34	1	2	2	101	2.45	.068	17	6	1.84	41	.01	3	1.57	.06	.11	1	7
87173	3	935	24	2550	1.0	18	14	1371	6.18	9	5	ND	2	31	15	2	2	136	2.11	.078	9	11	2.43	30	.01	5	2.03	.06	.08	5	11
87174	3	231	11	311	.5	17	11	1327	4.75	10	5	ND	2	34	1	2	2	136	2.51	.084	14	13	2.29	57	.01	8	1.86	.06	.07	2	5
87175	4	140	7	226	.4	17	14	1108	4.75	11	5	ND	2	35	1	2	2	133	1.82	.080	11	12	2.45	43	.01	4	1.85	.07	.08	1	3
87176	2	355	16	248	1.0	16	18	1055	4.71	12	5	ND	2	35	1	2	2	124	2.67	.083	11	12	2.48	31	.01	6	1.92	.06	.07	2	9
87177	3	279	10	347	.7	17	19	1240	5.82	9	5	ND	2	36	1	2	2	124	1.67	.077	17	11	2.97	18	.01	4	2.07	.05	.05	1	1
87178	3	185	17	237	.8	16	14	1216	5.23	10	5	ND	2	37	1	2	2	115	2.08	.082	12	11	2.35	35	.01	7	1.82	.06	.11	2	8
87179	3	129	19	837	.6	15	14	1137	5.37	8	5	ND	2	41	5	2	2	110	2.21	.078	12	8	2.37	27	.01	10	1.85	.05	.11	3	3
87180	5	264	27	332	.9	14	19	1166	5.63	23	5	ND	5	53	2	2	2	78	2.23	.071	14	8	1.89	18	.01	10	1.17	.06	.09	2	7
87181	2	116	37	151	.8	9	10	1020	4.08	10	5	ND	3	42	1	2	2	71	2.86	.060	12	5	1.63	35	.01	10	1.31	.05	.09	1	5
87182	2	59	12	363	.6	13	18	974	5.30	10	5	ND	3	74	2	2	2	98	2.40	.085	12	7	1.91	19	.01	12	1.08	.07	.11	2	4
87183	3	48	16	481	.5	14	20	1291	5.81	11	5	ND	2	70	2	2	2	89	2.32	.089	10	6	1.91	19	.01	7	1.09	.06	.11	3	1
87184	4	140	17	210	.6	13	30	1084	5.52	7	5	ND	3	37	1	2	2	101	1.65	.081	12	7	2.45	23	.01	4	1.55	.06	.09	2	2
87185	3	253	19	716	.6	11	25	1051	6.56	11	5	ND	3	34	3	2	2	107	1.35	.077	13	6	2.15	13	.01	4	1.38	.06	.06	1	4
87186	3	239	24	871	.7	13	19	1240	5.92	10	5	ND	2	28	4	2	2	112	1.90	.080	11	9	2.15	17	.01	5	1.77	.07	.08	4	1
87187	3	301	22	330	.6	12	20	1010	5.89	14	5	ND	3	42	1	2	2	109	1.64	.079	10	10	2.38	22	.01	15	1.83	.07	.10	2	3
STD C/AU-R	19	57	38	132	7.3	68	27	1020	3.94	37	21	7	40	50	18	17	20	57	.49	.085	38	58	.87	177	.08	37	1.83	.08	.13	13	530

MINEQUEST EXPLORATION FILE # 87-4461

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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	AU# PPB
87188	3	140	10	301	.5	10	16	889	4.71	31	5	ND	3	55	2	2	2	82	2.28	.066	10	8	2.02	11	.01	2	1.13	.08	.07	2	1
87189	4	117	9	97	.1	14	16	628	4.55	17	5	ND	3	97	1	2	2	60	1.77	.075	9	4	1.45	20	.01	9	.79	.06	.15	1	2
87190	2	150	10	167	.3	13	18	1039	6.02	11	5	ND	2	85	1	2	2	88	2.74	.083	9	3	2.12	20	.01	7	.94	.06	.08	1	7
87191	2	259	26	986	.4	11	19	1321	6.29	9	5	ND	2	31	5	2	2	118	2.06	.085	13	8	2.31	19	.01	6	1.95	.07	.07	3	12
87192	4	250	13	152	.4	16	15	867	5.77	6	5	ND	3	77	1	2	2	87	2.23	.084	10	6	1.90	25	.01	8	1.06	.06	.10	2	1
87193	1	94	10	75	.3	6	7	530	3.97	4	5	ND	2	56	1	3	2	37	2.13	.040	9	2	1.00	32	.01	9	.27	.08	.05	1	5
87194	4	40	11	136	.3	8	10	671	4.42	8	5	ND	2	73	1	2	2	41	2.67	.043	5	3	1.16	25	.01	4	.30	.07	.07	1	6
87195	5	148	33	343	.4	15	14	789	6.80	16	5	ND	2	69	4	2	2	69	2.66	.064	7	7	1.34	17	.01	4	.46	.07	.08	2	10
87196	7	68	15	143	.2	13	19	671	6.47	9	5	ND	3	48	1	2	2	88	2.24	.061	8	8	1.63	19	.02	5	.94	.08	.06	2	6
87197	2	45	26	254	.3	16	12	865	4.83	2	5	ND	2	53	1	2	2	80	2.49	.068	9	12	1.72	24	.01	3	1.14	.08	.07	1	9
87198	3	99	23	475	.3	22	11	853	4.86	11	5	ND	1	62	3	2	2	57	2.48	.072	6	10	1.33	28	.01	10	.59	.08	.08	1	6
87199	2	76	32	230	.1	21	10	650	4.74	10	5	ND	2	51	1	2	2	62	2.07	.066	7	12	1.53	22	.01	6	.70	.07	.06	3	8
87200	2	123	12	130	.3	20	9	546	4.69	6	5	ND	3	49	1	2	2	81	1.85	.074	13	12	1.75	24	.01	5	1.08	.08	.09	1	21
87201	2	131	14	141	.3	18	10	599	5.53	5	5	ND	2	29	1	2	2	104	1.37	.070	8	17	1.98	29	.03	4	1.61	.07	.09	1	15
87906	2	139	6	80	.6	14	15	640	4.79	8	5	ND	3	83	1	2	2	99	5.73	.074	9	7	1.01	89	.01	11	.65	.03	.17	1	10
87907	2	123	5	92	.2	12	13	841	4.29	5	5	ND	2	113	1	2	2	83	6.65	.066	6	2	1.80	439	.01	14	.58	.02	.17	1	16
87908	2	55	6	61	.2	9	13	676	4.27	8	5	ND	3	91	1	2	2	99	4.62	.082	5	5	.94	89	.01	14	.62	.03	.20	1	8
87909	2	93	5	118	.3	10	12	990	3.81	7	5	ND	2	117	1	2	2	70	7.38	.058	5	3	1.32	233	.01	9	.49	.03	.16	1	3
87910	2	82	6	73	.4	4	9	507	3.53	14	5	ND	2	61	1	2	2	49	3.41	.037	4	1	1.12	105	.01	6	.38	.06	.15	1	7
87911	4	68	5	61	.3	2	7	403	3.44	6	5	ND	2	47	1	2	2	45	2.90	.036	5	1	1.00	202	.01	12	.36	.07	.11	1	6
87928	5	57	32	73	.1	3	12	530	3.80	6	5	ND	2	49	1	2	2	48	1.77	.039	7	1	.99	48	.01	3	.48	.08	.08	1	1
STD C/AU-R	18	57	35	132	7.1	68	27	1022	4.01	36	21	7	39	50	18	15	20	56	.50	.084	38	57	.87	177	.08	32	1.87	.08	.13	12	490

REPORT: 127-8062 (COMPLETE)

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.
 PROJECT: NONE GIVEN

SUBMITTED BY: UNKNOWN
 DATE PRINTED: 16-OCT-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu Copper	57	1 PPM	HN03-HCL HOT EXTR	PLASMA
2	Zn Zinc	57	1 PPM	HN03-HCL HOT EXTR	PLASMA
3	Ag Silver	57	0.5 PPM	HN03-HCL HOT EXTR	PLASMA
4	Mo Molybdenum	57	1 PPM	HN03-HCL HOT EXTR	PLASMA
5	As Arsenic	57	5 PPM	HN03-HCL HOT EXTR	PLASMA
6	Sb Antimony	57	5 PPM	HN03-HCL HOT EXTR	PLASMA
7	Hg Mercury	57	5 PPB	HN03-HCL HOT EXTR	Cold Vapour AA
8	Au 30g Gold 30 grams	57	5 PPB	FIRE-ASSAY	Fire Assay AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
X OTHER	57	2 -150	57	CRUSH,PULVERIZE	-150 - 57

REPORT COPIES TO: MR. R. V. LONGE
 MINEQUEST EXPLORATIONS
 MR. A. GOURLAY

INVOICE TO: MINEQUEST EXPLORATIONS

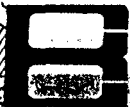
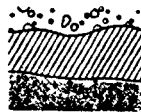
RECEIVED
 OCT 17 1987

REPORT: 127-8062

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	Mo PPM	As PPM	Sb PPM	Hg PPB	Au 30g PPB
X2 MBE 87926		141	69	<0.5	2	<5	<5	20	<5
X2 MBE 87927		138	40	<0.5	<1	<5	<5	30	60
X2 MBE 87928		122	58	<0.5	1	<5	<5	10	<5
X2 MBE 87929		123	63	<0.5	2	<5	<5	15	15
X2 MBE 87930		123	43	<0.5	1	<5	<5	5	10
X2 MBE 87931		112	64	<0.5	1	83	<5	10	15
X2 MBE 87932		95	49	<0.5	1	94	<5	15	25
X2 MBE 87933		75	68	<0.5	1	<5	<5	15	5
X2 TFR 87029		17	37	<0.5	2	<5	<5	60	60
X2 TFR 87032		122	58	<0.5	1	<5	<5	265	10
X2 TFR 87033		90	70	<0.5	1	<5	<5	295	15
X2 TFR 87034		42	43	<0.5	1	<5	<5	45	10
X2 TFR 87035		81	91	<0.5	1	<5	<5	140	10
X2 TFR 87036		69	54	<0.5	3	<5	<5	195	10
X2 TFR 87037		62	43	<0.5	3	<5	<5	65	5
X2 TFR 87901		36	37	<0.5	3	7	6	80	40
X2 TFR 87902		9	68	<0.5	3	<5	<5	65	15
X2 TFR 87903		11	46	<0.5	2	<5	<5	95	20
X2 TFR 87904		19	58	<0.5	2	<5	<5	110	20
X2 TFR 87905		15	38	<0.5	2	<5	<5	40	20
X2 TFR 87912		19	36	<0.5	2	<5	<5	95	<5
X2 TFR 87913		62	36	<0.5	4	<5	<5	45	<5
X2 TFR 87914		230	46	<0.5	7	25	<5	65	15
X2 TFR 87915		770	43	0.5	15	41	6	55	25
X2 TFR 87916		164	45	<0.5	7	11	<5	45	5
X2 TFR 87917		200	54	<0.5	9	11	<5	55	10
X2 TFR 87918		148	58	<0.5	9	10	<5	50	5
X2 TFR 87919		93	55	<0.5	5	7	<5	145	5
X2 TFR 87920		218	164	<0.5	8	50	12	1800	15
X2 TFR 87921		117	118	<0.5	3	19	<5	490	<5
X2 TFR 87922		54	102	<0.5	5	7	<5	205	<5
X2 TFR 87923		86	40	<0.5	2	<5	<5	60	5
X2 TFR 87924		159	48	<0.5	3	<5	<5	145	<5
X2 TFR 87925		76	51	<0.5	3	<5	<5	55	5
X2 TFR 87926		39	72	<0.5	1	<5	<5	280	5
X2 TFR 87927		26	43	<0.5	2	7	7	115	<5
X2 TFR 87929		60	37	<0.5	3	<5	<5	45	5
X2 TFR 87930		45	49	<0.5	<1	<5	<5	70	<5
X2 TFR 87931		79	44	<0.5	1	<5	<5	50	10
X2 TFR 87932		63	59	<0.5	<1	<5	<5	45	<5



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PROJECT: NONE GIVEN

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	Mo PPM	As PPM	Sb PPM	Hg PPB	Au 30g PPB
X2 TFR 87933		115	84	<0.5	6	30	<5	480	5
X2 TFR 87934		80	74	<0.5	6	13	<5	265	<5
X2 TFR 87935		55	54	<0.5	1	19	<5	260	<5
X2 TFR 87936		55	73	<0.5	5	8	<5	95	<5
X2 TFR 87937		86	63	<0.5	3	12	<5	110	10
X2 TFR 87938		86	77	<0.5	<1	34	5	125	15
X2 TFR 87939		109	54	0.8	3	19	5	145	10
X2 TFR 87940		33	15	0.9	4	8	<5	45	<5
X2 TFR 87941		46	19	0.9	3	12	5	55	10
X2 TFR 87942		49	125	1.0	21	9	<5	155	5
X2 TFR 87943		114	79	<0.5	1	12	5	25	20
X2 TFR 87944		247	260	<0.5	2	<5	<5	55	10
X2 TFR 87945		135	664	<0.5	1	<5	<5	110	5
X2 TFR 87946		295	742	<0.5	1	16	<5	200	20
X2 TFR 87947		146	171	<0.5	<1	6	<5	50	10
X2 TFR 87948		79	135	<0.5	4	<5	<5	95	15
X2 TFR 87949		135	134	<0.5	<1	<5	<5	70	20

REPORT: 227-5380 (COMPLETE)

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.

SUBMITTED BY: ~~UNKNOWN~~ C. RUSSELL

PROJECT: NONE GIVEN TFR

DATE PRINTED: 12-AUG-87

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold - Fire Assay	266	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Mo	Molybdenum	266	1 PPM	HN03-HCL HOT EXTR	PLASMA
3	Ag	Silver	266	0.5 PPM	HN03-HCL HOT EXTR	PLASMA
4	Bi	Bismuth	266	2 PPM	HN03-HCL HOT EXTR	PLASMA
5	As	Arsenic	266	5 PPM	HN03-HCL HOT EXTR	PLASMA
6	Sb	Antimony	266	5 PPM	HN03-HCL HOT EXTR	PLASMA
7	Se	Selenium	266	5 PPM	HN03-HCL HOT EXTR	PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	266	1 -80	266	DRY, SEIVE -80	2644
				COMPOSITE CHARGE	2644

REMARKS: ALL SAMPLE I.D.'s SHOULD BE PREFIXED BY "TFA".
 THE FOLLOWING SAMPLES ARE MISSING FROM COMPOSITES:
 1200N 041 5180E, 1200N 042 5180E, 1200N 053 5790E, 1200N 054 5790E, 1300N 059 5100E, 1300N 060 5100E, 1800N 153 5070E, 1800N 154 5070E, 1800N 160 5440E, 1800N 161 5440E, 1980N 181 5510E, 1900N 182 5510E & 5570E, 1900N 183 5570E, 2300N 264 5650E, AND 2300N 265 5650E.

REPORT COPIES TO: MR. R. V. LONGE
 MINEQUEST EXPLORATIONS
 MR. A. GOURLAY

INVOICE TO: MINEQUEST EXPLORATIONS

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PROJECT: NONE GIVEN

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 1000N 001	5000-5090E	<5	3	<0.5	<2	8	7	10
S1 1000N 002	5050-5140E	<5	3	<0.5	<2	17	<5	6
S1 1000N 003	5100-5190E	<5	3	<0.5	<2	<5	<5	<5
S1 1000N 004	5150-5240E	<5	3	<0.5	<2	6	<5	12
S1 1000N 005	5200-5290E	<5	2	<0.5	<2	<5	<5	6
S1 1000N 006	5250-5340E	<5	3	<0.5	<2	<5	<5	9
S1 1000N 007	5300-5390E	<5	3	<0.5	<2	<5	<5	<5
S1 1000N 008	5350-5440E	<5	3	<0.5	<2	13	<5	5
S1 1000N 009	5400-5490E	<5	3	<0.5	<2	<5	<5	<5
S1 1000N 010	5450-5540E	<5	3	<0.5	<2	9	<5	<5
S1 1000N 011	5500-5590E	<5	3	<0.5	<2	<5	<5	<5
S1 1000N 012	5550-5640E	<5	2	<0.5	<2	<5	<5	<5
S1 1000N 013	5600-5690E	<5	2	<0.5	<2	<5	<5	10
S1 1000N 014	5650-5740E	<5	3	<0.5	<2	<5	15	<5
S1 1000N 015	5700-5790E	<5	2	<0.5	<2	15	<5	<5
S1 1000N 016	5750-5840E	<5	3	<0.5	<2	<5	<5	9
S1 1000N 017	5800-5890E	<5	3	<0.5	<2	<5	<5	<5
S1 1000N 018	5850-5940E	<5	2	<0.5	<2	12	<5	<5
S1 1000N 019	5900-6000E	<5	2	<0.5	<2	<5	<5	7
S1 1100N 020	5000-5090E	<5	3	<0.5	<2	<5	7	<5
S1 1100N 021	5050-5140E	<5	2	<0.5	<2	17	<5	<5
S1 1100N 022	5100-5190E	<5	3	<0.5	<2	<5	5	<5
S1 1100N 023	5150-5240E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 024	5200-5290E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 025	5250-5340E	<5	1	<0.5	<2	7	<5	13
S1 1100N 026	5300-5390E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 027	5350-5440E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 028	5400-5490E	5	3	<0.5	<2	<5	<5	<5
S1 1100N 029	5450-5540E	<5	2	<0.5	<2	12	9	<5
S1 1100N 030	5500-5590E	<5	2	<0.5	<2	<5	<5	15
S1 1100N 031	5550-5640E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 032	5600-5690E	<5	3	<0.5	<2	6	<5	<5
S1 1100N 033	5650-5740E	<5	3	<0.5	<2	<5	<5	<5
S1 1100N 034	5700-5790E	<5	3	<0.5	<2	<5	<5	13
S1 1100N 035	5750-5840E	<5	3	<0.5	<2	<5	<5	<5
S1 1100N 036	5800-5890E	<5	2	<0.5	<2	<5	<5	<5
S1 1100N 037	5850-5940E	<5	1	<0.5	<2	<5	<5	9
S1 1100N 038	5900-6000E	<5	3	<0.5	<2	6	<5	9
S1 1200N 039	5000-5090E	<5	3	<0.5	<2	12	<5	<5
S1 1200N 040	5050-5140E	<5	3	<0.5	<2	12	<5	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM	
S1 1200N 041	5100-5190E	<5	3	<0.5	<2	<5	<5	<5	
S1 1200N 042	5150-5240E	<5	3	<0.5	<2	<5	<5	8	
S1 1200N 043	5200-5290E	<5	2	<0.5	<2	<5	<5	<5	
S1 1200N 044	5250-5340E	<5	2	<0.5	<2	8	<5	<5	
S1 1200N 045	5300-5390E	<5	3	<0.5	<2	<5	<5	8	
S1 1200N 046	5350-5440E	<5	2	<0.5	<2	<5	<5	<5	
S1 1200N 047	5400-5490E	<5	2	<0.5	<2	<5	<5	<5	
S1 1200N 048	5450-5540E	<5	3	<0.5	<2	<5	7	13	
S1 1200N 049	5500-5590E	<5	3	<0.5	<2	<5	<5	5	
S1 1200N 050	5550-5640E	<5	3	<0.5	<2	5	<5	<5	
S1 1200N 051	5600-5690E	<5	3	<0.5	<2	<5	<5	<5	
S1 1200N 052	5650-5740E	<5	3	<0.5	<2	31	10	<5	
S1 1200N 053	5700-5790E	<5	2	<0.5	<2	<5	<5	<5	
S1 1200N 054	5750-5840E	<5	2	<0.5	<2	<5	<5	<5	
S1 1200N 055	5800-5890E	<5	2	<0.5	<2	<5	6	<5	
S1 1200N 056	5850-5940E	<5	2	<0.5	<2	10	<5	5	
S1 1200N 057	5900-6000E	<5	2	<0.5	<2	<5	<5	<5	
S1 1300N 058	5000-5090E	<5	3	<0.5	<2	<5	<5	<5	
S1 1300N 059	5050-5140E	<5	3	<0.5	<2	<5	6	<5	
S1 1300N 060	5100-5190E	<5	3	<0.5	<2	<5	<5	5	
S1 1300N 061	5150-5240E	<5	2	<0.5	<2	6	<5	<5	
S1 1300N 062	5200-5290E	<5	2	<0.5	<2	<5	<5	<5	
S1 1300N 063	5250-5340E	<5	3	<0.5	<2	<5	10	8	
S1 1300N 064	5300-5390E	<5	3	<0.5	<2	<5	8	<5	
S1 1300N 065	5350-5440E	<5	2	<0.5	<2	<5	5	<5	
S1 1300N 066	5400-5490E	<5	2	<0.5	<2	<5	<5	<5	
S1 1300N 067	5450-5540E	<5	3	<0.5	<2	<5	7	<5	
S1 1300N 068	5500-5590E	<5	3	<0.5	<2	<5	10	<5	
S1 1300N 069	5550-5640E	<5	3	<0.5	<2	<5	<5	6	
S1 1300N 070	5600-5690E	<5	3	<0.5	<2	<5	7	<5	
S1 1300N 071	5650-5740E	<5	2	<0.5	<2	<5	<5	<5	
S1 1300N 072	5700-5790E	<5	3	<0.5	<2	<5	<5	<5	
S1 1300N 073	5750-5840E	<5	2	<0.5	<2	16	<5	12	
S1 1300N 074	5800-5890E	<5	2	<0.5	<2	<5	<5	<5	
S1 1300N 075	5850-5940E	<5	3	<0.5	<2	<5	5	<5	
S1 1300N 076	5900-6000E	<5	3	<0.5	<2	21	<5	11	
S1 1400N 077	5000-5090E	<5	3	<0.5	<2	16	6	<5	
S1 1400N 078	5050-5140E	<5	3	<0.5	<2	24	7	<5	
S1 1400N 079	5100-5190E	<5	4	<0.5	<2	18	10	<5	
S1 1400N 080	5150-5240E	<5	4	<0.5	<2	6	11	<5	

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 1400N 081	5200-5290E	<5	4	<0.5	<2	30	6	5
S1 1400N 082	5250-5340E	<5	3	<0.5	<2	30	<5	5
S1 1400N 083	5300-5390E	<5	3	<0.5	<2	23	7	<5
S1 1400N 084	5350-5440E	<5	3	<0.5	<2	14	8	<5
S1 1400N 085	5400-5490E	<5	3	<0.5	<2	18	11	<5
S1 1400N 086	5450-5540E	<5	3	<0.5	<2	8	<5	7
S1 1400N 087	5500-5590E	<5	2	<0.5	<2	17	<5	<5
S1 1400N 088	5550-5640E	<5	3	<0.5	<2	21	<5	<5
S1 1400N 089	5600-5690E	<5	3	<0.5	<2	22	8	<5
S1 1400N 090	5650-5740E	5	3	<0.5	<2	<5	<5	<5
S1 1400N 091	5700-5790E	<5	3	<0.5	<2	19	9	6
S1 1400N 092	5750-5840E	<5	3	<0.5	<2	5	12	<5
S1 1400N 093	5800-5890E	<5	3	<0.5	<2	18	<5	<5
S1 1400N 094	5850-5940E	<5	4	<0.5	<2	18	15	<5
S1 1400N 095	5900-6000E	<5	4	<0.5	<2	28	9	<5
S1 1500N 096	5000-5090E	<5	4	<0.5	<2	<5	8	<5
S1 1500N 097	5050-5140E	<5	3	<0.5	<2	23	<5	<5
S1 1500N 098	5100-5190E	<5	3	<0.5	<2	26	<5	<5
S1 1500N 099	5150-5240E	<5	3	<0.5	<2	<5	<5	<5
S1 1500N 100	5200-5290E	<5	3	<0.5	<2	19	<5	<5
S1 1500N 101	5250-5340E	<5	3	<0.5	<2	14	<5	<5
S1 1500N 102	5300-5390E	140	3	<0.5	<2	14	6	<5
S1 1500N 103	5350-5440E	<5	4	<0.5	<2	16	6	<5
S1 1500N 104	5400-5490E	<5	3	<0.5	<2	<5	<5	<5
S1 1500N 105	5450-5540E	<5	3	<0.5	<2	<5	<5	<5
S1 1500N 106	5500-5590E	<5	2	<0.5	<2	24	9	<5
S1 1500N 107	5550-5640E	<5	3	<0.5	<2	<5	<5	<5
S1 1500N 108	5600-5690E	<5	3	<0.5	<2	11	<5	<5
S1 1500N 109	5650-5740E	<5	3	<0.5	<2	28	9	<5
S1 1500N 110	5700-5790E	<5	3	<0.5	<2	<5	8	<5
S1 1500N 111	5750-5840E	<5	3	<0.5	<2	30	15	<5
S1 1500N 112	5800-5890E	<5	3	<0.5	<2	18	10	6
S1 1500N 113	5850-5940E	<5	3	<0.5	<2	10	10	<5
S1 1500N 114	5900-6000E	<5	3	<0.5	<2	<5	11	<5
S1 1600N 115	5000-5090E	<5	3	<0.5	<2	<5	<5	<5
S1 1600N 116	5050-5140E	<5	3	<0.5	<2	19	<5	7
S1 1600N 117	5100-5190E	<5	4	<0.5	<2	<5	<5	<5
S1 1600N 118	5150-5240E	<5	3	<0.5	<2	18	<5	5
S1 1600N 119	5200-5290E	<5	3	<0.5	<2	21	6	<5
S1 1600N 120	5250-5340E	<5	3	<0.5	<2	19	<5	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 1600N 121	5300-5390E	<5	4	<0.5	<2	38	7	<5
S1 1600N 122	5350-5440E	<5	3	<0.5	<2	9	<5	<5
S1 1600N 123	5400-5490E	<5	3	<0.5	<2	21	10	<5
S1 1600N 124	5450-5540E	<5	3	<0.5	<2	<5	<5	<5
S1 1600N 125	5500-5590E	<5	3	<0.5	<2	12	<5	7
S1 1600N 126	5550-5640E	<5	3	<0.5	<2	11	10	<5
S1 1600N 127	5600-5690E	<5	4	<0.5	<2	34	<5	<5
S1 1600N 128	5650-5740E	<5	3	<0.5	<2	14	<5	<5
S1 1600N 129	5700-5790E	<5	3	<0.5	<2	13	6	<5
S1 1600N 130	5750-5840E	<5	3	<0.5	<2	11	<5	<5
S1 1600N 131	5800-5890E	<5	3	<0.5	<2	30	<5	<5
S1 1600N 132	5850-5940E	<5	4	<0.5	<2	<5	<5	<5
S1 1600N 133	5900-6000E	<5	4	<0.5	<2	8	<5	<5
S1 1700N 134	5000-5090E	<5	4	<0.5	<2	<5	19	8
S1 1700N 135	5050-5140E	<5	4	<0.5	<2	40	<5	<5
S1 1700N 136	5100-5190E	<5	3	<0.5	<2	21	6	<5
S1 1700N 137	5150-5240E	<5	4	<0.5	<2	<5	<5	8
S1 1700N 138	5200-5290E	<5	3	<0.5	<2	23	<5	<5
S1 1700N 139	5250-5340E	<5	3	<0.5	<2	12	<5	<5
S1 1700N 140	5300-5390E	10	3	<0.5	<2	26	<5	<5
S1 1700N 141	5350-5440E	<5	3	<0.5	<2	12	<5	<5
S1 1700N 142	5400-5490E	<5	4	<0.5	<2	7	<5	<5
S1 1700N 143	5450-5540E	<5	3	<0.5	<2	8	<5	<5
S1 1700N 144	5500-5590E	<5	2	<0.5	<2	7	6	5
S1 1700N 145	5550-5640E	5	3	<0.5	<2	21	11	<5
S1 1700N 146	5600-5690E	<5	3	<0.5	<2	20	<5	<5
S1 1700N 147	5650-5740E	<5	4	<0.5	<2	26	10	<5
S1 1700N 148	5700-5790E	<5	3	<0.5	<2	9	7	6
S1 1700N 149	5750-5840E	<5	4	<0.5	<2	26	<5	<5
S1 1700N 150	5800-5890E	<5	3	<0.5	<2	<5	<5	<5
S1 1700N 151	5850-5940E	<5	4	<0.5	<2	15	9	12
S1 1700N 152	5900-6000E	<5	3	<0.5	<2	22	10	<5
S1 1800N 153	5000-5090E	<5	4	<0.5	<2	7	<5	<5
S1 1800N 154	5050-5140E	<5	3	<0.5	<2	<5	<5	<5
S1 1800N 155	5100-5190E	<5	3	<0.5	<2	6	<5	<5
S1 1800N 156	5150-5240E	5	3	<0.5	<2	22	<5	<5
S1 1800N 157	5200-5290E	<5	4	<0.5	<2	38	<5	<5
S1 1800N 158	5250-5340E	<5	4	<0.5	<2	6	<5	<5
S1 1800N 159	5300-5390E	<5	4	<0.5	<2	13	11	<5
S1 1800N 160	5350-5440E	<5	3	<0.5	<2	24	<5	<5



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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 1800N 161	5400-5490E	<5	4	<0.5	<2	14	8	<5
S1 1800N 162	5450-5540E	<5	3	<0.5	<2	31	<5	<5
S1 1800N 163	5500-5590E	<5	3	<0.5	<2	45	<5	<5
S1 1800N 164	5550-5640E	<5	3	<0.5	<2	22	<5	<5
S1 1800N 165	5600-5690E	<5	3	<0.5	<2	8	11	<5
S1 1800N 166	5650-5740E	<5	4	<0.5	<2	<5	<5	<5
S1 1800N 167	5700-5790E	<5	3	<0.5	<2	45	<5	<5
S1 1800N 168	5750-5840E	<5	4	<0.5	<2	6	<5	<5
S1 1800N 169	5800-5890E	<5	3	<0.5	<2	23	6	<5
S1 1800N 170	5850-5940E	<5	4	<0.5	<2	15	<5	<5
S1 1800N 171	5900-6000E	<5	4	<0.5	<2	12	13	<5
S1 1900N 172	5000-5090E	<5	3	<0.5	<2	<5	<5	<5
S1 1900N 173	5050-5140E	<5	3	<0.5	<2	11	<5	<5
S1 1900N 174	5100-5190E	<5	4	<0.5	<2	<5	<5	<5
S1 1900N 175	5150-5240E	<5	4	<0.5	<2	14	6	<5
S1 1900N 176	5200-5290E	<5	4	<0.5	<2	35	<5	6
S1 1900N 177	5250-5340E	<5	4	<0.5	<2	<5	<5	<5
S1 1900N 178	5300-5390E	<5	4	<0.5	<2	14	6	<5
S1 1900N 179	5350-5440E	<5	4	<0.5	<2	8	<5	<5
S1 1900N 180	5400-5490E	<5	3	<0.5	<2	34	<5	<5
S1 1900N 181	5450-5540E	<5	3	<0.5	<2	<5	<5	<5
S1 1900N 182	5500-5590E	<5	3	<0.5	<2	23	<5	6
S1 1900N 183	5550-5640E	<5	3	<0.5	<2	10	<5	6
S1 1900N 184	5600-5690E	<5	4	<0.5	<2	9	<5	6
S1 1900N 185	5650-5740E	<5	3	<0.5	<2	17	<5	<5
S1 1900N 186	5700-5790E	<5	2	<0.5	<2	24	<5	<5
S1 1900N 187	5750-5840E	<5	2	<0.5	<2	20	6	<5
S1 1900N 188	5800-5890E	<5	2	<0.5	<2	39	11	<5
S1 1900N 189	5850-5940E	<5	2	<0.5	<2	<5	<5	13
S1 1900N 190	5900-6000E	<5	2	<0.5	<2	<5	<5	<5
S1 2000N 191	5000-5090E	<5	2	<0.5	<2	25	<5	8
S1 2000N 192	5050-5140E	<5	2	<0.5	<2	<5	<5	<5
S1 2000N 193	5100-5190E	<5	3	<0.5	<2	28	<5	<5
S1 2000N 194	5150-5240E	<5	3	<0.5	<2	13	<5	<5
S1 2000N 195	5200-5290E	<5	3	<0.5	<2	13	<5	<5
S1 2000N 196	5250-5340E	<5	2	<0.5	<2	24	7	11
S1 2000N 197	5300-5390E	<5	3	<0.5	<2	20	6	<5
S1 2000N 198	5350-5440E	<5	2	<0.5	<2	18	6	<5
S1 2000N 199	5400-5490E	660	2	<0.5	<2	8	19	<5
S1 2000N 200	5450-5540E	<5	2	<0.5	<2	9	<5	15

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 2000N 201	5500-5590E	<5	3	<0.5	<2	<5	<5	<5
S1 2000N 202	5550-5640E	<5	2	<0.5	<2	8	<5	<5
S1 2000N 203	5600-5690E	<5	2	<0.5	<2	<5	<5	<5
S1 2000N 204	5650-5740E	<5	3	<0.5	<2	9	<5	<5
S1 2000N 205	5700-5790E	20	2	<0.5	<2	25	6	<5
S1 2000N 206	5750-5840E	<5	2	<0.5	<2	29	6	<5
S1 2000N 207	5800-5890E	<5	2	<0.5	<2	26	<5	5
S1 2000N 208	5850-5940E	<5	2	<0.5	<2	30	<5	<5
S1 2000N 209	5900-6000E	<5	2	<0.5	<2	20	10	<5
S1 2100N 210	4800-4890E	<5	2	<0.5	<2	33	<5	15
S1 2100N 211	4850-4940E	<5	3	<0.5	<2	29	<5	<5
S1 2100N 212	4900-4990E	<5	3	<0.5	<2	15	<5	<5
S1 2100N 213	4950-5040E	<5	3	<0.5	<2	13	<5	<5
S1 2100N 214	5000-5090E	<5	2	<0.5	<2	34	<5	<5
S1 2100N 215	5050-5140E	10	2	<0.5	<2	20	8	6
S1 2100N 216	5100-5190E	<5	2	<0.5	<2	31	<5	<5
S1 2100N 217	5150-5240E	<5	3	<0.5	<2	20	<5	<5
S1 2100N 218	5200-5290E	<5	3	<0.5	<2	26	<5	<5
S1 2100N 219	5250-5340E	<5	3	<0.5	<2	20	<5	<5
S1 2100N 220	5300-5390E	<5	3	<0.5	<2	27	9	<5
S1 2100N 221	5350-5440E	<5	3	<0.5	<2	12	<5	<5
S1 2100N 222	5400-5490E	<5	2	<0.5	<2	19	<5	<5
S1 2100N 223	5450-5540E	<5	3	0.5	<2	26	<5	10
S1 2100N 224	5500-5590E	<5	3	0.5	<2	15	7	<5
S1 2100N 225	5550-5640E	<5	3	0.5	<2	7	7	10
S1 2100N 226	5600-5690E	<5	2	0.5	<2	8	12	<5
S1 2100N 227	5650-5740E	<5	3	0.5	<2	18	16	<5
S1 2100N 228	5700-5800E	<5	3	0.5	<2	<5	5	<5
S1 2200N 229	4800-4890E	<5	3	0.5	<2	<5	6	<5
S1 2200N 230	4850-4940E	<5	3	0.5	<2	23	<5	<5
S1 2200N 231	4900-4990E	<5	3	<0.5	<2	<5	<5	<5
S1 2200N 232	4950-5040E	<5	6	8.5	<2	27	<5	<5
S1 2200N 233	5000-5090E	<5	2	<0.5	<2	<5	<5	<5
S1 2200N 234	5050-5140E	<5	3	<0.5	<2	24	6	<5
S1 2200N 235	5100-5190E	<5	3	<0.5	<2	21	<5	<5
S1 2200N 236	5150-5240E	<5	3	<0.5	<2	39	<5	<5
S1 2200N 237	5200-5290E	<5	3	<0.5	<2	21	<5	<5
S1 2200N 238	5250-5340E	<5	3	<0.5	<2	15	8	<5
S1 2200N 239	5300-5390E	<5	3	<0.5	<2	24	6	<5
S1 2200N 240	5350-5440E	<5	3	<0.5	<2	38	10	<5

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Mo PPM	Ag PPM	Bi PPM	As PPM	Sb PPM	Se PPM
S1 2200N 241	5400-5490E	<5	2	<0.5	<2	26	9	<5
S1 2200N 242	5450-5540E	<5	2	<0.5	<2	30	<5	<5
S1 2200N 243	5500-5590E	<5	3	<0.5	<2	<5	<5	7
S1 2200N 244	5550-5640E	<5	5	<0.5	<2	16	<5	<5
S1 2200N 245	5600-5690E	<5	5	<0.5	<2	27	8	<5
S1 2200N 246	5650-5740E	<5	2	<0.5	<2	50	<5	<5
S1 2200N 247	5700-5800E	<5	2	<0.5	<2	9	<5	28
S1 2300N 248	4800-4890E	<5	2	<0.5	<2	15	8	<5
S1 2300N 249	4850-4940E	<5	1	<0.5	<2	16	<5	<5
S1 2300N 250	4900-4990E	<5	2	<0.5	<2	20	<5	<5
S1 2300N 251	4950-5040E	<5	1	<0.5	<2	24	6	<5
S1 2300N 252	5000-5090E	<5	2	<0.5	<2	19	<5	11
S1 2300N 253	5050-5140E	<5	2	<0.5	<2	30	<5	<5
S1 2300N 254	5100-5190E	<5	2	<0.5	<2	21	6	<5
S1 2300N 255	5150-5240E	<5	2	<0.5	<2	11	<5	<5
S1 2300N 256	5200-5290E	<5	2	<0.5	<2	14	13	<5
S1 2300N 257	5250-5340E	<5	2	<0.5	<2	15	<5	<5
S1 2300N 258	5300-5390E	<5	2	<0.5	<2	30	<5	<5
S1 2300N 259	5350-5440E	<5	1	<0.5	<2	10	<5	<5
S1 2300N 260	5400-5490E	<5	1	<0.5	<2	7	<5	<5
S1 2300N 261	5450-5540E	<5	2	<0.5	<2	10	<5	<5
S1 2300N 262	5500-5590E	<5	1	<0.5	<2	17	<5	<5
S1 2300N 263	5550-5640E	<5	1	<0.5	<2	6	9	<5
S1 2300N 264	5600-5690E	<5	2	<0.5	<2	8	6	<5
S1 2300N 265	5650-5740E	<5	3	<0.5	<2	24	11	<5
S1 2300N 266	5700-5800E	<5	2	<0.5	<2	<5	10	<5

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



BONDAR-CLEGG

AWG

Geochemical
 Lab Report

REPORT: 227-5462 (COMPLETE)

REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.
 PROJECT: TFR

SUBMITTED BY: C. RUSSEL
 DATE PRINTED: 27-AUG-87

ORDER	ELEMENT	NUMBER OF ANALYSES	DETECTION LIMIT	EXTRACTION	METHOD
1	Mo Molybdenum	93	1 PPM	MULT ACID TOT DIG	PLASMA
2	Ag Silver	93	0.5 PPM	MULT ACID TOT DIG	PLASMA
3	As Arsenic	93	5 PPM	MULT ACID TOT DIG	PLASMA
4	Bi Bismuth	93	2 PPM	MULT ACID TOT DIG	PLASMA
5	Se Selenium	93	5 PPM	MULT ACID TOT DIG	PLASMA
6	Sb Antimony	93	5 PPM	MULT ACID TOT DIG	PLASMA
7	Au Gold - Fire Assay	93	5 PPB	FIRE-ASSAY	Fire Assay AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	93	1 -80	93	DRY, SEIVE -80 COMPOSITE CHARGE	505 928

REMARKS: ALL SAMPLE I.D.'s PREFIXED BY TFA

REPORT COPIES TO: MR. R. V. LONGE
 MINEQUEST EXPLORATIONS
 MR. A. GOURLAY

INVOICE TO: MINEQUEST EXPLORATIONS

REPORT: 227-5462

PROJECT: TFR

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	As PPM	Bi PPM	Se PPM	Sb PPM	Au PPB
S1 2400N 267	4700-4790E	<1	<0.5	<5	<2	<5	<5	<5
S1 2400N 268	4750-4840E	2	0.6	<5	<2	<5	<5	<5
S1 2400N 269	4800-4890E	4	0.6	<5	<2	<5	<5	<5
S1 2400N 270	4850-4940E	2	0.9	8	<2	5	<5	<5
S1 2400N 271	4900-4990E	2	0.6	16	<2	<5	<5	<5
S1 2400N 272	4950-5040E	2	0.6	6	<2	<5	<5	<5
S1 2400N 273	5000-5090E	<1	0.5	<5	<2	<5	<5	<5
S1 2400N 274	5050-5140E	2	0.7	<5	<2	<5	<5	<5
S1 2400N 275	5100-5190E	<1	0.6	<5	<2	20	<5	<5
S1 2400N 276	5150-5240E	2	<0.5	<5	<2	8	<5	<5
S1 2400N 277	5200-5290E	2	<0.5	8	<2	<5	<5	<5
S1 2400N 278	5250-5340E	2	<0.5	14	<2	<5	<5	<5
S1 2400N 279	5300-5390E	2	<0.5	10	<2	16	<5	<5
S1 2400N 280	5350-5440E	2	<0.5	<5	<2	<5	<5	<5
S1 2400N 281	5400-5490E	2	<0.5	6	<2	32	<5	<5
S1 2400N 282	5450-5540E	2	<0.5	8	<2	<5	<5	<5
S1 2400N 283	5500-5590E	2	<0.5	10	<2	37	<5	<5
S1 2400N 284	5550-5640E	2	<0.5	6	2	<5	<5	<5
S1 2400N 285	5600-5690E	<1	<0.5	<5	<2	<5	<5	<5
S1 2500N 286	4700-4790E	2	0.7	32	2	<5	<5	<5
S1 2500N 287	4750-4840E	2	0.5	14	2	<5	<5	<5
S1 2500N 288	4800-4890E	4	<0.5	16	4	<5	<5	<5
S1 2500N 289	4850-4940E	2	<0.5	12	4	<5	<5	<5
S1 2500N 290	4900-4990E	4	<0.5	10	<2	<5	<5	<5
S1 2500N 291	4950-5040E	2	0.6	16	8	<5	<5	<5
S1 2500N 292	5000-5090E	2	0.8	10	6	<5	<5	<5
S1 2500N 293	5050-5140E	4	<0.5	14	<2	<5	<5	<5
S1 2500N 294	5100-5190E	2	<0.5	12	<2	<5	<5	<5
S1 2500N 295	5150-5240E	4	<0.5	14	4	<5	<5	<5
S1 2500N 296	5200-5290E	2	0.7	20	<2	<5	<5	<5
S1 2500N 297	5250-5340E	4	<0.5	10	2	<5	<5	<5
S1 2500N 298	5300-5390E	4	0.6	18	2	8	<5	<5
S1 2500N 299	5350-5440E	4	0.8	20	6	<5	<5	<5
S1 2500N 300	5400-5490E	4	0.6	18	6	<5	8	<5
S1 2500N 301	5450-5540E	4	0.9	12	8	15	<5	<5
S1 2500N 302	5500-5590E	4	0.9	20	6	<5	8	<5
S1 2500N 303	5550-5640E	1	<0.5	11	<2	<5	<5	<5
S1 2500N 304	5600-5690E	1	<0.5	8	<2	<5	<5	<5
S1 2600N 305	4700-4790E	3	<0.5	9	<2	<5	<5	<5
S1 2600N 306	4750-4840E	1	<0.5	<5	<2	<5	<5	<5

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SAMPLE NUMBER	ELEMENT UNITS	No PPM	Ag PPM	As PPM	Bi PPM	Se PPM	Sb PPM	Au PPM
S1 2600N 307	4800-4890E	3	<0.5	<5	<2	<5	<5	<5
S1 2600N 308	4850-4940E	1	<0.5	6	3	<5	<5	<5
S1 2600N 309	4900-4990E	1	<0.5	<5	3	<5	<5	<5
S1 2600N 310	4950-5040E	1	<0.5	8	<2	<5	<5	<5
S1 2600N 311	5000-5090E	1	<0.5	<5	<2	<5	<5	<5
S1 2600N 312	5050-5140E	3	<0.5	9	<2	<5	<5	<5
S1 2600N 313	5100-5190E	3	<0.5	13	3	<5	<5	<5
S1 2600N 314	5150-5240E	1	<0.5	<5	<2	<5	<5	<5
S1 2600N 315	5200-5290E	1	<0.5	6	<2	17	<5	<5
S1 2600N 316	5250-5340E	1	<0.5	8	<2	<5	<5	<5
S1 2600N 317	5300-5390E	1	<0.5	6	<2	<5	<5	<5
S1 2600N 318	5350-5440E	1	<0.5	<5	<2	<5	<5	<5
S1 2600N 319	5400-5490E	1	<0.5	<5	<2	<5	<5	<5
S1 2600N 320	5450-5540E	1	<0.5	<5	<2	<5	<5	<5
S1 2600N 321	5500-5590E	1	<0.5	6	<2	<5	<5	5
S1 2700N 322	4600-4690E	1	1.1	<5	<2	18	<5	<5
S1 2700N 323	4650-4740E	1	<0.5	<5	<2	<5	<5	<5
S1 2700N 324	4700-4790E	1	<0.5	9	<2	<5	<5	<5
S1 2700N 325	4750-4840E	3	<0.5	11	<2	<5	<5	<5
S1 2700N 326	4800-4890E	1	<0.5	8	<2	<5	<5	<5
S1 2700N 327	4850-4940E	3	<0.5	11	<2	<5	<5	<5
S1 2700N 328	4900-4990E	1	<0.5	13	<2	<5	<5	<5
S1 2700N 329	4950-5040E	1	<0.5	<5	<2	<5	<5	<5
S1 2700N 330	5000-5090E	1	<0.5	11	<2	<5	<5	<5
S1 2700N 331	5050-5140E	3	0.5	19	5	<5	<5	<5
S1 2700N 332	5100-5190E	3	<0.5	13	<2	<5	<5	<5
S1 2700N 333	5150-5240E	1	<0.5	19	<2	17	<5	<5
S1 2700N 334	5200-5290E	3	<0.5	<5	<2	<5	<5	<5
S1 2700N 335	5250-5340E	1	<0.5	9	<2	<5	<5	<5
S1 2700N 336	5300-5390E	3	<0.5	19	<2	<5	<5	<5
S1 2700N 337	5350-5440E	3	<0.5	9	<2	5	<5	<5
S1 2700N 338	5400-5490E	3	<0.5	23	<2	<5	5	<5
S1 2700N 339	5450-5540E	2	0.6	<5	2	<5	<5	<5
S1 2700N 340	5500-5590E	2	1.1	<5	<2	<5	6	<5
S1 2800N 341	4600-4690E	<1	<0.5	14	4	<5	<5	<5
S1 2800N 342	4650-4740E	6	0.6	12	<2	<5	<5	<5
S1 2800N 343	4700-4790E	2	<0.5	6	6	<5	<5	<5
S1 2800N 344	4750-4840E	<1	<0.5	6	<2	<5	<5	<5
S1 2800N 345	4800-4890E	2	<0.5	16	2	<5	<5	<5
S1 2800N 346	4850-4940E	4	<0.5	38	6	<5	<5	<5

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SAMPLE NUMBER	ELEMENT UNITS	Mo PPM	Ag PPM	As PPM	Bi PPM	Se PPM	Sb PPM	Au PPB
S1 2800N 347	4900-4990E	4	<0.5	54	14	<5	12	<5
S1 2800N 348	4950-5040E	4	<0.5	32	2	<5	<5	<5
S1 2800N 349	5000-5090E	<1	<0.5	<5	<2	<5	<5	<5
S1 2800N 350	5050-5140E	<1	<0.5	10	<2	<5	<5	<5
S1 2800N 351	5100-5190E	2	<0.5	<5	4	<5	<5	<5
S1 2800N 352	5150-5240E	2	<0.5	10	2	<5	<5	<5
S1 2800N 353	5200-5290E	2	<0.5	12	<2	<5	<5	<5
S1 2800N 354	5250-5340E	2	0.6	10	4	13	<5	<5
S1 2800N 355	5300-5390E	2	0.6	14	4	<5	<5	<5
S1 2800N 356	5350-5440E	2	<0.5	12	2	<5	<5	<5
S1 2800N 357	5400-5490E	2	<0.5	18	2	<5	<5	<5
S1 2800N 358	5450-5540E	18	<0.5	6	4	8	6	<5
S1 2800N 359	5500-5590E	8	0.8	14	<2	<5	6	<5

APPENDIX III

DRILL LOGS

PROPERTY: THOM FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No.
TFP 87001

CLAIM BLOCK CODE: TFR.

DRILL LOG

DRILLING CO.: NORTHMAN EXPLORATIONS

NTS: 92 I/II UTM:

STARTED: 11 SEPT 87

CLAIM NAME:

COMPLETED: 12 SEPT 87

LOCATION - GRID NAME: TERN

PURPOSE: TP Charge High.

GRID N: 5700 GRID E: 5475

SURVEY					
DEPTH	AZIM.	DIP	DEPTH	AZIM.	DIP

SECTION: ELEV:

AZIM: LENGTH: 38 ft.

DIP: -90 CASING LEFT?:

CORE SIZE:

CORE STORAGE:

CORE RECOVERY:

LOGGED BY: A.W. EDWELAT

DATE LOGGED: 12 SEPT 87

ASSAYED BY: Acme Analytical Labs. ⁰⁰¹² _{6 200}

LAB REPORT NOS.: 87-4461 127 8062

TEXTURE, ALTERN. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				A ₁ (ppb)	A ₂ (ppm)	Sb(ppm)
0		0-14 OVERBURDEN.								
10			8	18		87001	5	68	2	
20		75% dsm PY, tr PY stringers. All weakly iron stained chips with 75% dsm PY with oxidized margins, intrusive?, moderately silicified, rare vague phenocrysts, 0.1 to 1mm size.	18	28		87002	1	46	2	
30		<5% dsm PY. Grey Intrusive, moderately silicified, 20% of chips massive dark-brown GZ, smoker, tr PY, 40% of chips weakly iron stained, commonly on frx with PY.	28	38		87003	1	7	2	
40		<5% dsm PY. Grey Intrusive, moderately silicified, indistinct to vague white subhedral feldspar (?) phenocrysts in silicified aphanitic grey groundmass, 10% of chips weakly iron stained on frx.	38	48		87004	1	4	2	
50		75% dsm PY, tr dsm Mo. Grey Intrusive, moderately silicified, <5% GZ chips, commonly layered white and grey GZ, only tr PY.	48	58		87005	4	6	2	
60		75% dsm PY Grey Intrusive, moderately silicified, 70% of chips are	58	68		87006	5	8	6	

MINEQUEST EXPLORATION ASSOCIATES LTD.				DRILL LOG - CORE			HOLE No. TFP 87001		PAGE No. 2	
TEXTURE, ALTERN. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				As(ppm)	Az(ppm)	Sb(ppm)
tr. Mo. dsm.	60	aggregates of white Qtz grains up to 0.5mm size, with dsm Pt, <5% of chips are grey or white Qtz.								
75% dsm Pt, rare semi-massive Pt chips	70	Grey Intrusive, moderately silicified, massive, rare vague phenocrysts, no other textures, <1% white Qtz veins up to 2mm thick	68	78			87007	12	8	2
75% dsm Pt, tr Mo.	80	Grey Intrusive, moderately silicified, <5% of chips are massive white Fs(?) with up to 10% cathedral grey Qtz blebs, tr white Qtz chips	78	88			87008	9	10	2
75% dsm Pt, tr Pt stringers	90	Grey Intrusive, moderately silicified, 500 128-138, rare vague white, cathedral to subhedral feldspar(?) phenocryst, <30% of rock, in ephanitic silicified grey matrix	88	98			87009	13	12	2
75% dsm Pt, <1% Pt stringers, tr Mo, lots of Pt in fines.	100	Grey Intrusive, moderately silicified, vague phenocrysts.	98	108			87010	32	14	2
			98	108			87901	40	7	6
75% dsm Pt, cathedral to blebs up to 1mm size	110	Moderately silicified grey intrusive(?), v.i.g. easily scratched, rare indistinct white feldspar phenocrysts, <0.1mm size, in ephanitic grey matrix.	108	118			87011	25	7	2
75% dsm Pt, <1% Pt as stringers, lots of Pt in fines	120	locally silicified or weakly siliceous intrusive(?), generally massive, textureless, rare v.i. phenocrysts, indistinct outlines in <5% white chips, rest of chips grey	118	128			87012	14	8	2
75% dsm Pt, tr Mo, lots of Pt in fines,	130	Grey Intrusive, moderately silicified vague to indistinct unbordered to subhedral phenocrysts (Fs?), up to 70% of rock, in ephanitic grey groundmass, <1% white Qtz veins up to 1mm thick with tr Qtz	128	138			87013	4	5	2
75% dsm Pt, <1% Pt, lots of Pt in fines, rare discontinuous Pt stringers.	140	Grey Intrusive, moderately silicified, 500 128-138, vague to indistinct phenocrysts as before.	138	148			87014	18	5	3
			148	158			87018	15	<5	<5
75% dsm Pt	150	Grey Intrusive, moderately silicified, 500 128-138	148	158			87015	12	4	2

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				As(ppm)	As(ppm)	Sb(ppm)
<1% Mo, lots of 150 PY in fines.		fine white GW up to 2mm thick, with blebs of PY up to 2mm across.								
75% dsm PY, <1% dsm Mo, rare 160 discontinuous PY stringers lots of PY in fines.		Grey Intrusive, moderately silicified, ss 128-138, rare vague subhedral feldspar phenocrysts, .1mm size, almost all texture destroyed	158	168			87016	10	6	3
75% dsm PY, <1% dsm Mo 170 lots of PY in fines.		Grey Intrusive, moderately silicified, still no conchoidal fr., ss 128-138	168	178			87018	10	6	2
75% dsm PY, <1% dsm Mo. 180 lots of PY in fines.		Grey Intrusive, moderately silicified, ss 128-138, <1% banded white and grey G2 chips with PY + Mo.	178	188			87019	18	9	2
<5% dsm PY, tr dsm Mo, tr PY stringers. 190 lots of PY in fines.		Grey Intrusive, moderately silicified, ss 128-138, <1% white to banded white and grey G2 chips with PY.	188	198			87020	21	8	2
<5% dsm PY, rare Mo. 200		Grey Intrusive, moderately silicified, ss 128-138, <1% white G2 and banded G2 chips, with PY. Temp sample.	198	208			87021	8	9	3
			198	208			87023	20	<5	<5
75% dsm PY, <1% dsm Mo 210		Grey Intrusive, moderately silicified, ss 128-138, <1% white G2 chips, rare banded G2 chips, with PY. Temp sample.	208	218			87022	6	9	2
75% dsm PY, tr Mo 220		50% Grey Intrusive, moderately silicified ss 128-138, 100% G2 chips or 70% vague to well defined feldspar phenocrysts, ark. silicae granitic matrix, Fr up to 2mm size, subhedral K1, rare hardly grey GW.	218	228			87023	13	7	5
			218	228			87017	9	9	2
75% dsm PY, <1% Mo 230		Grey Intrusive, moderately silicified, ss 128-138, 30% vague phenocrysts, .1mm size, rare white GW up to .1mm thick. <5% grey G2 chips.	228	238			87024	10	8	2
75% dsm PY, 240		Grey Intrusive, moderately silicified ss 128-138	238	248			87025	95	10	2

PROPERTY: THOM FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No. TFP 8702

CLAIM BLOCK CODE: TFR

DRILL LOG

DRILLING CO.: NORTHSPAN EXPLORATION

NTS: 92T/11 UTM:

STARTED: 13 SEPT 87

CLAIM NAME:

COMPLETED: 13 SEPT 87

LOCATION - GRID NAME: TERN.

PURPOSE: Drill gold stream

GRID N: 5410 GRID E: 5535

SURVEY

SECTION: ELEV:

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP

AZIM: 250 LENGTH: 158 ft.

DIP: -70 CASING LEFT?:

CORE SIZE:

CORE STORAGE:

CORE RECOVERY:

LOGGED BY: A.W. GOURLA-1

DATE LOGGED: 13 SEPT 87

ASSAYED BY: ACME LABS / BONDAR CLEGG

LAB REPORT NOS.: 87-4461 / 127-8062

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				Au(ppb)	As(ppm)	Sb(ppm)
0		0-17 OVERBURDEN.								
10										
45% Pt, oxidized 20		All chips moderately iron stained, no textures visible, coarse 60-1mm thick.	18	28			87032 87036	10 10	<5 8	<5 2
71% dm Pt, all in oxidized chips 30		to 20 iron stained chips, 50% 18-28, 10% white cz chips with tr. Pt, 20% Hb-Diorite, light green, 1mm grain size, unaltered Hb in G2 rfs groundmass.	28	38			87037 87037	15 16	<5 5	<5 2
V. rare iron stained fr. v. r. Pt. 40		Hb Diorite 5% anhedral black Hb, 1 to 5mm size in light green ground mass. Weak chlorite alteration, chips easily scratched	38	48			87034 87038	10 8	<5 8	<5 2
tr Pt in G2 chips 50		Hb Diorite, increasingly altered v. easily scratched, 80% of Hb gone, 60% of chips coarsely iron stained and moderately silicified 70% of chips white G2 with coarse grained biotite & quartz 50% have mottled colouring	48	58			87035 87039	10 3	<5 7	<5 2
40% dm Pt 60		Hb Diorite?, intensely to moderately silicified, now a brown	58	68			87036	10	<5	<5

MINEQUEST EXPLORATION ASSOCIATES LTD.

DRILL LOG - CORE

HOLE No. TFP 87(2)

PAGE No. 2

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				As(ppm)	As(ppm)	Sb(ppm)
<10% dry on dry fix	60	color v. rare vesic textures. 10% of chips weakly iron stained, > 5% hairline to 5 mm thick white Gv, some chips near streakwork. no PY	58	68			27910	7	14	2
<10% dsm PY	70	Hb Diorite(?) Intensely silicified, 50% 58-68, 75% black dsm mineral. ch? or fig PY? 71% hairline Gv. with tr PY. 5% of chips have iron stained fix. no vcls visible. v.f.g. Mus?	68	78			27911	5	45	6
tr dsm PY.	80	50% Intensely silicified Hb Diorite, 50% 58-68, 50% moderately silicified Hb Diorite that retains vesic texture 50% 28-38 tr ch after Hb, 55% hairline white and grey Gv veins up to .1mm thick 71% white Gv chips.	78	88			27912	1	4	2
<10% dsm PY, 75% Plase Gv.	90	Intensely silicified Hb Diorite, 50% 58-68, 55% of chip retain fig. black mineral (ch?). 71% Gv. up to 1mm size with 75% PY. Gv grey and white, PY cubical to subhedral. .1mm size.	88	98			27913	1	8	2
<10% dsm PY, 55% Plase hairline Gv.	100	Intensely silicified Hb Diorite(?) 50% 58-68, no textures remain. 55% hairline Gv or fix with v. thin Gv, most PY with Gv.	98	108			27914	9	29	2
71% dsm PY, 55% PY size dry fix and hairline Gv	110	Intensely silicified Hb Diorite(?) rare idic textures 55% v chips, light brown color, 71% hairline Gv < .1mm thick. Most PY size dry fix, chips break along fix.	108	118			27915	6	15	2
tr dsm PY, 55% PY as stringers dry fix & marginal Gv	120	Intensely silicified Hb Diorite(?), 71% hairline to .1mm thick white and grey Gv. PY with Gv and on dry fix. Color varies from brown to grey in hand specimen view, all brown under microscope.	118	128			27916	22	40	2
71% dsm PY, 55% Plase stringers or coatings on dry fix	130	Intensely silicified Hb Diorite(?), 50% 118-128, 71% hairline to .2mm thick white and grey Gv, v. rare texture of dry 50% No apparent control on dsm PY.	128	138			27917	7	15	2
71% dsm PY, 71% Plase fix, trace Gv	140	Moderate to Intensely Silicified Hb Diorite(?), 50% 118-128, 20% of chips coarse fig black, weak metallic sheen mineral (ch after Hb?), 71% hairline white and grey Gv, rarely up to .2mm thick.	138	148			27918	3	21	2
	150	BEHIND OF HOLE AND UP TO COURSE OF DRILL PIPE MADE	148	158			27915	5	10	6

APPL across slope.

PROPERTY: THOM-FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No.
TFP 87003

CLAIM BLOCK CODE: TFR

DRILL LOG - CORE

DRILLING CO.: NORTHSPAN EXPLORATION

NTS: 42 I/II UTM:

STARTED: 13 SEPT 87

CLAIM NAME:

COMPLETED: 14 SEPT 87

LOCATION - GRID NAME: TFRN

SURVEY

PURPOSE: TEST ENE TENDING FAULTS,

GRID N: 5650 GRID E: 5535

DEPTH	AZIM.	DIP	DEPTH	AZIM.	DIP

SECTION: ELEV:

CORE RECOVERY:

AZIM: 150 LENGTH: 328 FT.

LOGGED BY: A.W. GURLEY

DIP: -65 CASING LEFT?:

DATE LOGGED: 13 14 SEPT 87

CORE SIZE:

ASSAYED BY: Acme LABS BONDAR-CLEGG

CORE STORAGE:

LAB REPORT NOS.: 87-6041 127-2042

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				As(ppm)	Ag(ppm)	Sb(ppm)
0		0-11 OVERBURDEN								
<5% dm PY, <1mm size.	10	45% moderately iron stained chips, with oxidized dm PY. moderately silicified, vague intrusive textures. rare green siliceous intrusive rock, >1% white	8	18			87046	13	23	2
<5% dm PY with 6-2 chips, <5% dm 20 PY iron oxidized chips		20% oxidized chips, 30% E-18, 10% white and/or G-2 chips with PT., 10% silicified int: siliceous(?) vague textures.	18	28			87047	3	34	9
<5% dm PY, 6V with 7.5% PT.	30	F.G. Int: siliceous, 60% silicified to siliceous white fcl spots with 40% anhedral grey G-2, >1% 6V, 1 to 3mm size w: PY. PY <.1mm size, anhedral to anhedral.	28	38			87048 87020	12 15	64 50	21 12
71% dm PY, 7.5% Pt, 6V and ex stringers (end of fr.)	40	F.g to M.g. unkn: v. moderate, moderately silicified, mg. textures are indistinct. >1% horizon to 1mm thick 6V with up to 20% 6V veins. PY. All chips light grey under micro but large chips have green tinge to eye.	38	48			87049	1	37	5
7.5% dm PY, 6.5% Pt, 6V	50	F.G. light grey Int: siliceous, 30% 38-48, textures are distinct to indistinct, >1% horizon to 1mm 6V, predom: dm PY, 7.5% grey G-2 chip with PY.	48	58			87050 87053	7 6	98 93	22 19
<5% dm PY	60	moderately silicified Int: siliceous, indistinct to vague textures	58	68			87051	4	93	7

MINEQUEST EXPLORATION ASSOCIATES LTD.

DRILL LOG - CORE

HOLE No. TFP E7603 PAGE No. 2

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS					
			FROM	TO				Au(ppb)	As(ppm)	Sb(ppm)			
>5% Pt as stringer secondary fr.	60	Vague textures are M.G. 75% hairline GV, locally as crenostomes- ing networks, rare PY with GV.											
<5% dm PY, tr PY stringers, v rare Mg(?)	70	Weakly silicified fig. Intrusive, sds 58-68, <1% GV, rare well banded 1mm thick layers with PY margins.	68	78			E7052	1	73	4			
<1% dm PY, most in silty chips	80	Weakly silicified brown intrusive (?) vague textures to textureless, massive Mg. 75% hairline to 1mm white GV, 75% y chips white G2.	78	88			E7053 E7021	3 <5	36 19	4 <5			
<5% dm PY, 75% Pt asse GV & dry fr.	90	Weak to moderately silicified brown intrusive, sds 78-88, 75% GV, hairline to chip size, commonly banded, with PY. Irregular distribu- tion of dm PY, 80% of chip well fractured.	88	98			E7054	2	20	2			
>5% dm PY, 75% Pt with GV.	100	Weak to moderately silicified brown intrusive, sds 78-88, vague textures at at 1mm scale, finer details lost, 75% hairline to 1mm GV with PY, locally semi massive blebs up to 2mm size edge adjacent to GV.	98	108			E7055	3	15	2			
<5% dm PY, 75% PY with GV.	110	Weakly silicified brown intrusive, majority of chips retain vague textures, sds 78-88, 75% GV, grey 1mm size and larger, late crosscutting hairline GV, cut GV with PY, thin alteration selvages	108	118			E7056	5	24	2			
<5% dm PY, 71% Pt as stringers on dry fr., 75% PY with GV.	120	Weakly altered brown and green intrusive, sds 108-118, textures are distinct to indistinct, v. fig., <5% white GV, hairline to .5 mm size.	118	128			E7057	3	18	2			
<5% dm PY, <5% PY with GV.	130	Weakly altered green/brown intrusive, sds 118-128 textures distinct to indistinct, fig. to m.g. <5% white G2 chips, <5% GV, grey hairline to .5mm thick.	128	138			E7058 E7022	2 <5	17 7	2 <5			
<5% dm PY, <5% PY with GV.	140	Weakly altered green/brown intrusive, sds 118-128, textures indis- tinct, Mg., <5% grey G2 veins, up to .5mm size. Most PY is tarnished, has been for last 50'	138	148			E7060	1	10	2			
<5% dm PY.	150	Weakly altered light grey intrusive, sds 138-148, textures	148	158			E7061	3	25	2			

MINEQUEST EXPLORATION ASSOCIATES LTD.

DRILL LOG - CORE

HOLE No. TFD 87003

PAGE No. 3

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				As(ppb)	Ag(ppm)	Sb(ppm)
71% Qtz, 15% stringed.	150	indistinct texture. Rare QV. 55% of chips white QZ.								
55% dsmp, 71% Py, coarse cover dry fix.	160	Moderately silicified light grey intrusive, rare vogue textures. 71% QZ, grey QZ, up to 1mm thick, 71% of chips are white QZ.	158	168			87062	4	19	2
55% Py on dry fix. 71% dsmp.	170	Moderately silicified leucocratic intrusive, 50% 158-168, rare vogue texture. <1% QV, 71% of chips are white QZ.	168	178			87063	5	34	2
51% dsmp in tuff. 55% dsmp in Int. 25% Py on QV in Intrusive.	180	30% brown intrusive, moderately silicified, indistinct m.g. along dyke. 70% dark green, weakly perphyritic f.g. Tuff (?) (P?) & phenocryst white fs, 1mm size, in aphanitic groundmass. 55% grey QZ veils in intrusive with Py.	178	188			87064 87923	5 5	12 <5	2 <5
55% dsmp in Int. 75% Py with QV. 45% dsmp in Green rock. 71% Py on fix.	190	40% brown intrusive, m.g., weak alt. of H ₂ O ch. distinct to indistinct textures and phenocrysts. 60% f.g. to m.g. tuff or Intrusive. some rare vogue, m.g. textures of phenocrysts. Moderately silicified.	188	198			87065	3	8	2
55% dsmp in Int. 75% Py with QV in Int.	200	50% M.G. brown intrusive, 20% weakly altered, 20% moderate silicified, 50% 188-198, 50% light grey bleached, f.g. green rock, 50% 188-198. 55% QV in Intrusive with Py, in fix. rock has Mn on QV with slickensides.	198	208			87066	5	32	2
55% dsmp, 75% Py with QV on matrix.	210	Brown intrusive, weakly silicified, indistinct phenocrysts, up to 40% of rock, in aphanitic groundmass. In other Ill, two sizes of QV, up to 1mm thick. 50% green chips, m.g. 50% 188-198.	208	218			87067	1	16	2
71% dsmp, 75% Py with QV.	220	Weakly altered Brown Intrusive, indistinct phenocrysts, 50% 208-218, result of 220% water. 218, 30% of chips are pale brown, m.g. 71% QV with Py, up to 1mm thick.	218	228			87070	2	17	2
Brown Int. 71% dsmp, 75% Py with QV. 230 at green rock. 51% vogue dsmp, tr Py on fix.	240	60% Brown Intrusive, m.g., indistinct phenocrysts, 50% 188-198, weak silicified, 70% v.f.g. dark green rock (F ₂). massive, rare vogue 1mm size phenocrysts. Rare hairline QV. for Py.	228	238	TWS		87068	1	9	2
	240	40% brown Intrusive, 50% 228-238, 40% weak to moderately	238	248	TWS		87069	1	13	2

PROPERTY: THOM FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No.
TFP 87004

CLAIM BLOCK CODE: TFR

DRILL LOG - CORE

DRILLING CO.: NORTSPAN EXPLORATIONS

NTS: 921/11 UTM:

STARTED: 14 SEPT 87

CLAIM NAME:

COMPLETED: 15 SEPT 1987

LOCATION - GRID NAME: TFRN

SURVEY

PURPOSE: Test RFS contact, end into Raffle Creek

GRID N: 5490 GRID E: 5575

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP

ck fault, extension of showing to south.

SECTION: ELEV:

CORE RECOVERY:

AZIM: 260 LENGTH: 358 ft.

LOGGED BY: A.W. GONZALES

DIP: -65 CASING LEFT?:

DATE LOGGED: 14, 15 SEPT 87

CORE SIZE:

ASSAYED BY: ACME LABS BONDAR-CLEGG

CORE STORAGE:

LAB REPORT NOS.: 87-4461 137-8062

TEXTURE, ALTERN. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				Au(ppb)	As(ppm)	Sb(ppm)
0		0-22 OVERBURDEN								
10										
20		All rounded cov. chips, mostly basalt; rare banded Gz chips + PY.	22	28		E7079	3	10	2	
30		Intensely iron stained chips, 75% iron stained and banded Gz chips, massive, no well defined textures.	28	38		E7080	1	11	2	
40		Medium Ground Intrusive weak to moderate iron stain, weakly altered, distinct euhedral Gz - 40%, with iron stained PS? 75% white and grey Gz up to 2mm thick	38	48		E7081	1	10	2	
50		Iron stained M.G. Intrusive(?) 50% 38-48, 45% cov. chips are fresh; indistinct subhedral(?) Gz to per in aphyric siliceous groundmass.	48	58		E7082	1	6	2	
60		50% weak to moderate iron stained m.g. Intrusive, 38-48	58	68		E7083	2	4	2	

MINEQUEST EXPLORATION ASSOCIATES LTD.			DRILL LOG - CORE				HOLE No. TFD E7004		PAGE No. 2				
TEXTURE, ALTERN. MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS					
			FROM	TO				Au(ppm)	As(ppm)	Sh(ppm)			
fresh chips 60 P7 adjacent to QV.		55% med. to intensely silicified or siliceous, v. fine, rock. rare indistinct fs. phenocrysts in siliceous matrix, light to dk brown, massive, v. fine hairline QV. 75% banded white & grey QV.											
>1% chm PY dr. all rocks >1% to PY with QV/Rx.		45% weakly iron stained rock, Intensive? 65% intensely silicified or siliceous v. fine rock, SSS 58-68, 75% hairline QV, v. thin, + PY.	68	78			E7084 E7091	1 1	6 6	2 2			
51% dsm PY. 80		Light brown to weakly iron stained, v. fine silicified or siliceous rock SSS 68-78, 75% hairline QV, v. thin, and dry frx. No textures visible, just a massive, high silica rock.	78	88			E7085	1	5	2			
51% chm PY, 1/2 chm black on dry frx. 90		Light brown to light grey intensely silicified rock, v. rare vague lode-like inclusions, otherwise massive and aphanitic >1% hairline v. thin QV. most chips are well fractured, with QV annealing.	88	98			E7090 E7097	2 1	3 7	2 7			
51% dsm PY, rare PY stringers on dry frx. 100		Intensely silicified v. fine rock SSS 88-98, color variable; pale green to grey to light brown, 55% aphanitic black chips with rare indistinct phenocrysts >5% dsm PY + <1% PY stringers. Rock still well fractured.	98	108			E7087	1	9	2			
<1% dsm PY, rare PY stringers. 110		Intensely silicified v. fine rock, SSS 98-108, 75% white QV veins with 1mm thick, some chips networks of QV, decr in frx density. No black chips	108	118			E7088	1	10	2			
<1% dsm PY, v. rare PY on frx, + PY on QV. 120		Intensely silicified v. fine rock SSS 98-108, + QV hairline, aphanitic frx, some as 108-118, 71%.	118	128			E7089	1	10	2			
71% dsm PY, 71% PY on frx, and streaked PY chip. 130		Moderately to intensely silicified v. fine rock SSS 98-108, 51% aphanitic indistinct fs. outlines, <2mm >130. 71% white QV chip. Rare hairline QV.	128	138			E7090	2	12	2			
71% dsm PY. 140		Intensely silicified rock, no textures, some conchoidal frx. chips still well frx, intensity inc. slightly, + hairline QV.	138	148			E7092 E7093	1	6	2			
<1% dsm PY. 150		Moderately silicified grey rock, vague textures, v. rare	148	158			E7093	1	8	2			

MINEQUEST EXPLORATION ASSOCIATES LTD.			DRILL LOG - CORE			HOLE No. TFP 87004		PAGE No. 3		
TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				Au(ppm)	As(ppm)	Sb(ppm)
150		indistinct M.G. texture, dec. in fr.								
<1% dm PY.		weakly altered to weakly silicified Intrusive, Di or 4b Quartz?	150	160			87054	1	8	2
160		M.G. green color ch. with Moles - 10% or less, 1-5 mm size groundmass calcite (w/ + Fe?) to 2 mm size. 50% of chips still silicified and epithermal								
<1% dm PY.		50% weakly altered to weakly silicified m.g. Quartz, 100% 150-160, 50% intensely silicified epithermal chips, 100% dm PY in less altered rock, v. fine hairline sil.	160	170			87055	1	7	2
<1% dm PY.		weak to moderately silicified f.g. Intrusive, <10% chips m.g.	170	180			87056	1	8	2
180		with indistinct to vague textures. Locally ch. no bi or fibre- mass. Mod chips on massive, epithermal, brownish green to hairline white sil. 2-1 mm thick, wavy								
<1% dm PY, <1% PY on fr. color		weak to moderately silicified f.g. Intrusive (DITE?) 50% 180-190, <10% weak to moderately altered Intrusive f.g., indistinct textures, retains ch. <1% hairline white sil.	180	190			87057	2	9	2
discontinuous stringers with sil.			180	190			87029	5	<5	<5
<1% PY on fr. + sil, 75% dm PY? 200		weak to moderately altered f.g. Intrusive, 50% 180-190, 75% dm sil. blue white minerals, furnished PY? mod in fr. near <5% barren outchips, fr. commonly concealed with v. fine sil.	190	200			87058	1	5	2
71% dm PY, v. f.g. <<5% dm PY, m.g. 200 PY, v. f.g., 55% PY with gray sil.		Moderately altered M.G. Intrusive (DITE?) chips easily scratched, <5% hairline white sil. <4% 1 mm size gray sil. with PY. Textures indistinct.	200	210			87059	1	9	2
<5% dm PY, fresh to phd. v. f.g., 220 cubic		Moderately altered M.G. Intrusive, 50% 200-210, <5% hair- line to 1 mm white sil. Textures indistinct, <1% white sil chips	210	218			87100	2	8	2
<5% dm PY, fresh & furnished. 230		Weakly silicified m.g. Intrusive, 50% 200-210 but chips cannot be scratched. To be furnished PY a different stage than the fresh PY. <5% hairline to white sil. 100% with PY, 62% with 90% of fr.	218	230			87101	1	6	2
71% dm PY 240		Moderately to Intensely silicified light brown Intrusive, v. similar	230	240			87102	1	9	2

TEXTURE, ALTRN, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				Ag(ppb)	As(ppm)	Sb(ppm)
55% dm PY, 6% BV		to 5% 2, 2phentic. 55% of chips have indistinct texture, 1% 5% BV. 1 to 5 mm thick with PY, commonly broken into small units.	242	245			2743	45	45	45
55% dm PY, 4% BV	250	Moderately silicified light brown intrusive, 5% 245-250 75% brown to grey 1mm white BV, commonly irregular, following PY, some BV with silicified 2% coating.	245	258			2743	1	5	2
55% dm PY, 2% BV	260	Moderately silicified light brown intrusive, 5% 258-260 5% of chips have indistinct texture, 25% white BV, remaining to 1mm, with to 2% PY, some chips with BV network.	258	265			2744	1	5	2
55% dm PY, 2% BV	270	Moderately silicified light green/brown intrusive, 5% 265-270, brown to grey, some indistinct texture, 55% white BV, large (>1mm diam) w PY, trace amount of fresh PY with tarnished dm PY.	265	278			2745	1	8	2
75% dm PY, 75% BV	280	Moderately silicified light green/brown intrusive, 5% 278-280 75% dm PY fresh, 25% white and grey BV, 75% low chips white and grey w PY, must be 2mm thick BV network.	278	288			2746	1	5	2
75% dm PY, 75% BV	290	Usable to moderately silicified, brown/green intrusive 5% 288-290 5% of chips easily stretched, 55% fine white BV, 20% white and grey w chips, 20% BV 2mm thick + PY, all dm PY tarnished.	288	298			2747	2	5	2
75% dm PY, 75% BV	300	Usable to moderately silicified light brown/green intrusive, 5% 298-300 texture distinct boundaries, 75% brown to 1mm BV, commonly irregular, PY with large grains, 55% white and grey w chips.	298	308			2748	9	8	2
55% dm PY, 4% BV	310	Moderately silicified brown intrusive, 5% 308-310 massive, brown, 75% white and grey BV, white BV with PY, latter by mainline white and grey BV, 50/50 split tarnished + fresh PY.	308	318			2749	3	5	2
55% dm PY, 4% BV	320	55% Moderately silicified green intrusive, 5% 318-320 5% of chips silicified light brown intrusive, massive, 75% white and grey BV, some >1mm with 50% PY, commonly irregular.	318	328			2750	9	6	2
55% dm PY, 4% BV	330	Usable to moderately silicified light brown to grey intrusive	328	338			2751	13	3	2

MINEQUEST EXPLORATION ASSOCIATES LTD.			DRILL LOG - CORE			HOLE No. TFD 87205		PAGE No. 2		
TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				Au(pph)	As(ppm)	Sb(ppm)
60										
7 1/2% dm PY, irregular thru up to 2 mm	70	Moderately altered grey to grey intensive, massive, indistinct to strong vein stain. Kater less. <10% unaltered chips, indistinct scudites, grey calc. massive.	88	78			89117	16	16	3
<5% dm PY, <5% PY over sil. 80	80	Moderately silicified grey to grey intensive, texture indistinct to vague, granular. 70% sil 1-2 mm thick with PY/Mo/As >1% of silicified sil. with PY.	88	80			89115	2	14	2
11% dm PY, 3 mm sil. mm. <5% dm PY.	90	Moderately silicified grey to grey intensive, sil. 10-20% to sil. 75% with sil. chips with PY.	88	98			89116	5	31	2
<5% dm PY, 75% Mo over sil.	100	Moderately silicified grey to grey intensive, coarse indistinct texture, 75% white and grey int. with PY, sil. 1 mm thick. More dk grey chips or chips with dark bands, + network of v. fine PY stringers.	98	108			89117	11	18	2
7 1/2% dm PY, 100 75% Mo over sil, sil. fresh	110	Moderate to intense (?) silicified grey intensive, coarse vague texture, 75% white and grey sil. 1 to 1 mm thick with PY, dk sil. bands over PY, extensive over PY?	108	118			89118	7	34	2
7 1/2% dm PY, 25% PY over sil. 100	120	Weakly altered grey intensive, chips easily scudited, distinct silicified texture, sil. 1 to 1 mm sil. mechanical granular, no calc. 55% sil. granular with PY.	118	128			89119	1	40	2
<1% dm PY, <5% PY over sil. with 100 sil. bold, subhedral		Moderately altered grey intensive sil. 10-15% <5% bulk sil. with PY, 75% sil. chips are white (sil.)	128	138			89120	3	15	2
bd sil. PY <5% PY sil. over sil. with 100 sil. fresh	140	Weakly altered grey to brown intensive sil. 10-15% sil. with PY, <5% white sil. up to 1 mm, with PY, <5% sil. chips are white (sil.)	138	148			89121	3	22	2
75% dm PY.	150	Weakly altered grey intensive, indistinct m.c. texture, sil. 10%	148	158			89122	4	36	2

MINEQUEST EXPLORATION ASSOCIATES LTD.				DRILL LOG - CORE			HOLE No. TFP 2705		PAGE No. 3	
TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				Au(ppm)	Ag(ppm)	Sb(ppm)
71% Pt on string 5% discoloration		chips intensely silicified, noted in indistinct, discoloration?? strings/horizo on dry fix. 5% bentonite, layer < 5mm, 1mm size.								
71% dm PT, 75% PT with GV		weak to moderately silicified light brown/grey intrusive, Pt on g. distinct to indistinct textures, 75% white and bentonite (2 chips) 5% 1mm GV with PT.	158	168			27123 27124	4 5	14 13	2 5
51% PT with grey 62 chips to with white 62 chips.		Moderate to strong altered grey intrusive 60% of chips have distinct mg grey 62 eyes and subhedral PS, 71% white 62 chips, rarely banded	168	178			27124	2	15	2
51% dm PT, 75% Pt with GV and on dry fix		Weakly silicified grey/brown m.g. intrusive, indistinct texture 5% white and grey GV, up to 1mm size, 75% white 62 chips.	178	188			27125	1	12	2
71% dm PT, Pt, 75% PT with GV and on discoloration strings on dry fix		Weak to moderately silicified light brown intrusive, rare indistinct M.G. textures, 5% white 62 chips with PT, 5% .1 to 1mm GV, rare banded white and grey 62 chips with extremely fine PT in dark bands/grey 62.	188	198			27126	4	14	2
51% dm PT, 55% PT on dry fix, abn. 1mm size		Moderately silicified light grey intrusive, v. slight brownish tinge, 5% 188-198, 5% white and grey 62 chips, PT, 5% to 1mm to 1mm GV	198	208			27127	2	27	2
51% dm PT, 75% PT with grey GV		Moderately silicified M.G. light brown intrusive, 5% 188-198, 75% white and grey GV, .1 to 1.5mm size, PT with grey GV, not white GV, some networks of white GV	208	218			27128 27129	6 5	15 19	2 5
55% dm PT, 35% PT on strings on 220 dry fix, 55% PT with GV Matrix		Moderately silicified light brown intrusive, 5% 188-198, more v. g. to indistinct textures, 5% white 62 chips, v. rare slickensides with PT smears, 5% grey GV 7.5mm size	218	228			27129	5	16	2
71% dm PT, 55% PT with GV		Moderately silicified light brown intrusive, 5% 188-198, 75% white and grey GV, hard with PT. best sample.	228	238			27130	1	13	2
51% 55% dm PT 240		Moderately silicified light brown intrusive, 5% 188-198	238	248	TWS		27131	5	19	2

PROPERTY: THOM - FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No.
TFP 87006

CLAIM BLOCK CODE: TFR

DRILL LOG - CORE

DRILLING CO.: NORTHMAN EXPLORATION

NTS: 92 I/11 UTM:

STARTED: 19 SEPT 1987

CLAIM NAME:

COMPLETED:

LOCATION - GRID NAME: TFRN

SURVEY

PURPOSE: Test RFS etc in north panel, drill into
rhynolite, into hatteracker cle fault

GRID N: 5700 GRID E: 5470

DEPTH	AZIM	DIP	DEPTH	AZIM	DIP

SECTION: ELEV:

CORE RECOVERY:

AZIM: 260 LENGTH: 328 feet

LOGGED BY: A.W. GULLAY

DIP: -00 CASING LEFT?:

DATE LOGGED: 19 SEPT 1987

CORE SIZE:

ASSAYED BY: Acme Labs BONDAR-CLGG

CORE STORAGE:

LAB REPORT NOS.: 87-4401 127-8062

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				As(ppm)	Al(ppm)	Si(ppm)
0		0-25 OVERBURDEN								
10										
20										
30										
75% ds m.P., 19% oxidized 40		siliceous chip moderate to intense oxidation, incl iron stain, massive, 20% intensely siliceous grey v.f.g. rock (v.p.?)	38	48			87140	35	19	2
75% ds m.P., 75% on dry fire 50		siliceous grey, massive, v.f.g. rhynolite(?), vague to indistinct features, 21% no. line Cu, white, most of it discontinuous coatings on dry fire, rare P1 stringers up to 1mm thick	48	58			87141	18	5	2
							87143	20	12	5
65% ds m.P. 60		siliceous grey, massive v.f.g. rhynolite(?) 50s 48-58	58	68			87142	23	15	2

MINEQUEST EXPLORATION ASSOCIATES LTD.			DRILL LOG - CORE			HOLE No. TFP 87006			PAGE No. 2		
TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS			
			FROM	TO				As(pph)	As(ppm)	Al(ppm)	
75% Pt on dry fix.	60	Most Pt occurs dry fix. as thin, discontinuous coatings, rock is weakly fix. to hairline GV.									
55% Pt on dry fix.	70	Rhyolite(?) Siliceous grey massive v.f.g. Intrusive, 505 48-58, <1% white GV. 5mm thick with Pt. Pt dom end on fix is enclosed to <1% massive GV. subbed, up to 2mm aggregates, generally massive irregular blocks	68	72		87143	83	15	2		
55% Pt on dry fix, <1% Pt discontinuous Pt strings	80	Siliceous grey massive v.f.g. Rhyolite?, 505 48-58 <1% as chips have indistinct b/w texture. 5mm size; subbed light grey fs (?) in siliceous groundmass. Pt content consistent throughout chips.	78	82		87144	49	15	2		
55% Pt on dry fix	90	Siliceous grey massive v.f.g. Rhyolite(?) 505 72-88 <1% as chips are shored, incipient b/w textures been silicified.	88	92		87145	14	22	2		
71% Pt on dry fix	100	21% white GV chips with Pt. 21% hairline to 5mm white v.f.g. GV with Pt.									
55% Pt on dry fix and GV.	100	50% grey siliceous, massive v.f.g. Rhyolite(?) 505 78-88 50% moderate to intensely silicified white rock, ephritic texture, fix. has units <1% Pt, most on fix or as strings <1% white and grey GV.	98	102		87146 87148	11 15	27 34	2 5		
<1% Pt on dry fix or GV.	110	Siliceous light grey rhyolite(?), most chips appear to be silicea blocks, <1% have f.g. to m.g., indistinct angular fragments or pieces in siliceous grey matrix. Marked dec. in Pt. Chips are massive and textureless.	108	112		87147	5	26	2		
	120	90% siliceous grey, massive v.f.g. rhyolite, 505 78-88 10% moderately silicified i.e. massive, indistinct b/w textures, 5mm size, subbed. v. rare GV, white and grey	118	122		87148	4	12	2		
71% Pt on dry fix	130	Moderately silicified light grey fix Intrusive, 505 98-108, massive, indistinct f.g. texture. 5% GV hairline to 1mm thick. <1% siliceous rhyolite chip.	128	132		87149	7	25	2		
55% Pt on dry fix	140	Siliceous grey, massive, ephritic rhyolite(?) 505 72-88 <1% as chips moderately silicified i.e. massive, 505 122-132. Rhyo- lite fix weakly with dm and fix Pt.	138	142		87150	1	18	2		
55% Pt on dry fix	150	75% Siliceous grey ephritic Rhyolite(?), 505 78-88	148	152		87151	1	18	2		

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				As(ppm)	Ar(ppm)	Sb(ppm)
75% Pl on dry fr.	150	75% Pl on VA, 50% moderately silicified light grey f.g. intrusive, S.S 98-102, sulphide poor.	148	158			87031	10	19	5
<1% dm PY, <1% PY on fr., v. rare PY stringers.	160	Siliceous grey ephanitic Rhyolite(?), S.S 138-148, <5% c.g. chips moderately silicified, light grey intrusive, S.S 98-108. V rare grey GW, rare fr., marked dec: in PY content.	158	168			87152 87161	5 5	20 21	2 2
<1% dm PY, fr PY on fr.	170	Siliceous grey massive, ephanitic Rhyolite(?), S.S 138-148, <1% brecciated to .5 mm GW, v. rare PY with GW. V rare vege M.G. textures(?). Rare granular texture of .1mm GW grains.	168	178			87153	4	39	4
<1% dm PY, 2% PY on rare fr.	180	Siliceous grey, massive, ephanitic Rhyolite(?), S.S 138-148, rare granular texture, .1mm GW grains in white GW(?) matrix.	178	188			87154	4	18	2
<1% dm PY, fr PY on fr.	190	Siliceous grey, massive, ephanitic Rhyolite(?) S.S 138-148, rare granular texture, milled fr?, .1mm GW grains, rounded, in white GW matrix.	188	198			87155	1	21	2
<1% dm PY, fr PY on rare GW.	200	Siliceous grey, massive, ephanitic Rhyolite(?), S.S 138-148, <5% white Rhyolite with 10% rounded grey GW, 2mm size in v. f.g. 'clastic' GW grain groundmass. no PY in white Rhyolite	208 198	218 208			87156 87140	1 45	8 8	2 45
<1% dm PY, <1% PY on dry fr.	210	Fine to siliceous grey, massive, ephanitic Rhyolite(?) S.S 138-148, 10% white Rhyolite, S.S 148-208, GW phreatic) rounded fragments, up to 20% of rock. fr PY.	208	218			87157	3	8	2
fr dm PY, <1% PY on fr.	220	Siliceous grey massive ephanitic Rhyolite, <5% indistinct light grey GW eyes in ephanitic groundmass, GW eyes 1-2mm size.	218	228			87158	2	11	2
<1% PY on dry fr.	230	Siliceous grey massive ephanitic Rhyolite, S.S 218-228.	228	238			87159	1	14	2
<1% dm PY	240	80% siliceous grey massive ephanitic Rhyolite, S.S 218-228	238	248			87160	3	14	2

PROPERTY: THOM, FEHR

MINEQUEST EXPLORATION ASSOCIATES LTD.

HOLE No.
TFP 87007

CLAIM BLOCK CODE: TFP
 NTS: 92 I/11 UTM:
 CLAIM NAME:
 LOCATION - GRID NAME: TFRN
 GRID N: 5825 GRID E: 5407
 SECTION: ELEV:
 AZIM: LENGTH: 318 Feet.
 DIP: -40 CASING LEFT?:
 CORE SIZE:
 CORE STORAGE:

DRILL LOG - CORE

DRILLING CO.: NORTHEAST EXPLORATION
 STARTED: 18 SEPT 1987
 COMPLETED: 18 SEPT 1987
 PURPOSE: Test North part of charge high end
 weak soil anomaly
 CORE RECOVERY:
 LOGGED BY: A.W. COULLEY
 DATE LOGGED: 18 SEPT 1987
 ASSAYED BY: ACME LABS BONDAR CL366
 LAB REPORT NOS.: 87-4461 127-8062

SURVEY					
DEPTH	AZIM	DIP	DEPTH	AZIM	DIP

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM No.	ASSAYS		
			FROM	TO				Au(ppm)	As(ppm)	Sb(ppm)
0		0-23 OVERBURDEN								
10										
20										
			23	28		2770	3	16	2	
41% dm Pt, fresh and tarnished, 55% Fe Py with Cu fresh.		Weakly silicified M.G. Intensive, indistinct feldspar phenocrysts 1.2mm size, w/ze relic Hb? or Ch. 71% Cu, .5mm thickness Py	28	38		2771	8	13	2	
						2781	5	10	2	
75% dm Pt, fgy, anhedral, 75% Pt 23% Cu and/or Au. Pt in fgy.		Weakly altered M.G. Green Intensive, indistinct textures or feldspar phenocrysts. Poor Ch. Hb, 55% Cu, .5 to 1 mm size, rare Ca vein, .5mm size, holes with Pt.	38	48		2772	7	15	2	
75% dm Pt, 31% Py with Cu.		Weakly altered M.G. Green Hb-Diorite(?), 30% 38-48, 5-10% chips ore brown, 10% chips ore fgy to v. f.g. 21% Cu, .1mm size, Ch. Hb, irregular clumps up to 1mm size.	48	58		2773	11	9	2	
71% dm Pt.		Weakly altered M.G. Green Hb Diorite, 30% 38-48, Intensive	58	68		2774	5	10	2	

MINEQUEST EXPLORATION ASSOCIATES LTD.			DRILL LOG - CORE			HOLE No. TFD 87007		PAGE No. 2		
TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL.	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS		
			FROM	TO				Al(ppm)	As(ppm)	Sb(ppm)
75% PY with GL WC and 10% Fe as chips irregular to subhedral.		indistinct to distinct, ch after Hb. 71% hematite to .5 mm GLV.	58	68			E7744	10	<5	<5
75% dsm PY, <5% PY with GL WC 70 PY with GL WC in veins		weakly altered M.G. Green Hb Diorite, SCS 38-48, ch after Hb. 71% .1 mm GLV, Fe Ca, with PY. rare brown druse to chips, v rare white GL chips.	68	78			E7745	3	11	2
<5% dsm PY, 75% PY with GL WC to PY 80 on fire or slips		weakly altered M.G. Green Hb Diorite, SCS 38-48 textures indistinct; decr in ch after Hb, 71% GLV Fe Ca, with PY, v rare white GL + Ca chips.	78	88			E7746	9	12	2
75% PY, irreg. loc to subhedral blebs, up to .5 mm size, 75% PY with GL		v weakly altered M.G. Green Hb Diorite SCS 38-48 textures indistinct, green colour due to 10% ch after Hb, no Hb remains, see pseudomorph by ch. <1% GLV + PY. <10% brown druse chips.	88	98			E7747	1	9	2
<5% dsm PY, 71% PY with rare GL WC 100		weakly altered M.G. Green Hb Diorite, SCS 38-48, ch after Hb, 71% brown druse with rare GLV. 1 to .5 mm thick with PY, PY in green druse veins from 0 to 75% dsm.	98	108			E7748	8	10	2
<5% dsm PY. 110		weakly altered M.G. Green Hb Diorite SCS 38-48, ch after Hb, textures distinct to indistinct, 71% brown druse SCS v. rare GLV.	108	118			E7749	3	8	2
							E7745	5	<5	<5
<5% dsm PY in M.G. Diorite, <5% dsm brown druse, rare PY stringer, Prase		<5% weakly altered M.G. Green Hb Diorite, SCS 38-48 80% brown moderately silicified, fig (.5 mm size) druse (?) massive, conchoidal size, indistinct textures, rare ch, 71% GLV + PY matrix.	118	128			E7750	7	23	2
<5% dsm PY through all rock, MC Man 140 size with silicification		<5% weakly altered M.G. Green Hb Diorite, SCS 38-48, ch after Hb, 71% brown to green, moderately silicified druse, SCS 118-128. rare white GLV-PY in mod. silicified chips.	128	138			E7752	4	10	2
<5% dsm PY through all rock, MC Man 140 size with silicification		M.G. Green Diorite, weakly altered to moderately silicified SCS 38-48 less ch with inc. silicification, and inc indistinct textures, 70% brown druse with <10% white GLV 1 mm size.	138	148			E7753	1	11	2
<5% dsm PY. 130		weak to moderately silicified M.G. Diorite, SCS 38-48, 510%	148	158			E7754	2	7	2

TEXTURE, ALTER'N, MINERALIZATION, ETC.	GRAPH GEOL	DESCRIPTION	INTERVAL(m)		REC'Y	EST. GRADE	SAM. No.	ASSAYS					
			FROM	TO				As(ppm)	As(ppm)	Sb(ppm)			
rare PY stringers undry fix 150		weakly altered chips, textures indistinct.											
75% dm PY, locally up to 10% white to outside of PY. i. l. 100 mm size fresh.		Weak to moderately silicified M.G. Diorite, sos 142-158, <5% of chips have to Ch., marked increase in PY content, up to 10% in <5% of chips, v. rare GV.	150	168			87185	4	11	2			
75% dm PY. 170		40% weak to moderately silicified M.G. Diorite, sos 148-158. 10% weakly altered M.G. Green diorite, sos 38-48, v. rare white Gz chips with PY.	168	178			87186 87191	1 12	10 9	2 2			
75% dm PY, v. rare discontinuous PY 180 stringers on dry fix.		Weak to Moderately silicified M.G. Diorite, sos 148-158, v. rare white Gz + Ca chips with PY.	178	188			87187	3	14	2			
<5% dm PY, v. rare discontinuous PY 190 stringers on fix, PY on rare GV.		Weakly altered to weakly silicified M.G. diorite, some on the textures indistinct, rare white Gz + Ca chips, with PY margins. Not much has changed.	188	198			87188	1	31	2			
Green Diorite, <5% dm PY brown 200		70% weakly altered to weakly silicified M.G. Green diorite, sos 128-198. 70% moderately silicified M.G. brown diorite indistinct textures, 75% white GV, 1 to 1mm thick, 10 PY, locally net works.	198	208			87189	2	17	2			
diorite, >1% dm PY, to PY with GV 71% dm PY, to PY with GV 210		Moderately silicified M.G. brown/grey diorite, sos 198-208, 110% weakly altered chips with relic Ch., <5% white GV, up to 1mm thick with to PY.	208	218			87190 87197	7 10	11 6	2 <5			
<5% dm PY, 75% PY on dry fix. 220		80% moderately silicified M.G. brown diorite, sos 198-208, 75% white GV, 1 to 1mm thick with PY, PY on dry fix. 20% weakly altered green M.G. diorite sos 38-48, v. rare grey Gz chips with 50% massive PY.	218	228			87192	1	6	2			
71% dm PY in brown diorite, <5% dm 230 PY in grey Gz? + PY stringers on dry fix. <5% dm PY 240		70% moderately silicified M.G. brown diorite, sos 198-208. 90% intensely moderately silicified to grey intense, <10% chips look like grey diorite in thin Gz, massive, <20% indistinct phenocrysts in aphanitic groundmass. Moderate to Intensely silicified grey to Intense, sos 228-238	228	238			87193	5	4	3			
			238	248			87194	6	8	2			

APPENDIX IV
GEOPHYSICAL TECHNIQUES

APPENDIX IV

GEOPHYSICAL TECHNIQUES

The VLF-EM survey was carried out with a Geonics EM-16 unit using Seattle, Washington and a Geonics TX-27 as a signal source. Readings were taken at 20 metre intervals, facing east, along grid lines. Calculations and derivations used standard formulae.

The magnetometry survey employed a Scintrex IGS-2 integrated portable geophysical system. A base station measured the magnetic field at 60 second intervals while field surveys were taking place. Field measurements were recorded at 20 metre intervals along grid lines. On board computer programs calculated diurnal variation and provided corrected data for the total magnetic field.

The Induced Polarization survey was performed by Target Survey Inc. of Vancouver, B.C., using a dipole-dipole array with an 'A' spacing of 25 metres and to N=3.

APPENDIX V

LISTED GEOPHYSICAL DATA: VLF-EM SURVEY

STATION	E(STATION	LINE	T	Q	F.F.	
5000	5030	1900	-12	2	-2	
5020	5050	1900	-9	3	3	
5040	5070	1900	-10	1	5	
5060	5090	1900	-9	1	-3	
5080	5110	1900	-13	-3	-12	
5100	5130	1900	-11	-4	1	
5120	5150	1900	-8	-2	24	
5140	5170	1900	-4	-1	18	
5160	5190	1900	-16	-6	-6	
5180	5210	1900	-20	-10	-14	
5200	5230	1900	-18	-9	5	
5220	5250	1900	-12	-8	26	
5240	5270	1900	-12	-7	18	
5260	5290	1900	-23	-10	8	
5280	5310	1900	-27	-9	7	
5300	5330	1900	-26	-8	-4	
5320	5350	1900	-32	-8	-14	
5340	5370	1900	-28	-4	-8	
5360	5390	1900	-26	-4	8	
5380	5410	1900	-20	-4	8	
5400	5430	1900	-26	-10	-6	
5420	5450	1900	-28	-10	-8	
5440	5470	1900	-26	-9	-12	
5460	5490	1900	-22	-6	-31	
5480	5510	1900	-24	1	-28	
5500	5530	1900	-12	1	0	
5520	5550	1900	-3	8	-10	
5540	5570	1900	-5	1	-38	
5560	5590	1900	-10	-7	-19	
5580	5610	1900	12	3	6	
5600	5630	1900	11	3	13	
5620	5650	1900	10	4	18	
5640	5670	1900	7	6	8	
5660	5690	1900	1	6	-25	
5680	5710	1900	-2	5	-37	
5700	5730	1900	2	4	-2	
5720	5750	1900	22	8	19	
5740	5770	1900	15	4	16	
5760	5790	1900	11	1	13	
5780	5810	1900	7	0	4	
5800	5830	1900	3	-2	-2	
5820	5850	1900	2	-2	4	
5840	5870	1900	4	0	6	
5860	5890	1900	3	0	-999999	
5880	5910	1900	-1	0	-999998	
5900	5930	1900	2	2	1000001	
5000	5030	2000	-7	-1	-7	
5020	5050	2000	-6	-1	-1	
5040	5070	2000	-4	1	12	
5060	5090	2000	-2	3	16	
5080	5110	2000	-7	1	14	
5100	5130	2000	-11	0	10	
5120	5150	2000	-14	-2	2	
5140	5170	2000	-18	-4	-5	
5160	5190	2000	-17	-6	-9	

TFR SOUTH
VLF DATA.
TILT ANGLE
QUADRATURE
FRASER FILTER.

-999999 } NOT USED, OUT OF RANGE.
-999998
1000001

5180	5210	2000	-17	-6	-7
5200	5230	2000	-13	-9	-10
5220	5250	2000	-12	-11	-17
5240	5270	2000	-11	-12	1
5260	5290	2000	-4	-10	34
5280	5310	2000	-2	-8	42
5300	5330	2000	-14	-10	26
5320	5350	2000	-26	-9	8
5340	5370	2000	-32	-7	0
5360	5390	2000	-34	-4	-4
5380	5410	2000	-32	-3	-16
5400	5430	2000	-34	-5	-18
5420	5450	2000	-28	-8	-3
5440	5470	2000	-22	-11	0
5460	5490	2000	-22	-13	-15
5480	5510	2000	-25	-13	-21
5500	5530	2000	-19	-10	-19
5520	5550	2000	-13	-3	-27
5540	5570	2000	-10	-2	-24
5560	5590	2000	-3	0	-5
5580	5610	2000	7	5	5
5600	5630	2000	4	-1	7
5620	5650	2000	5	2	7
5640	5670	2000	1	4	1
5660	5690	2000	1	8	-19
5680	5710	2000	-2	6	-33
5700	5730	2000	3	6	-11
5720	5750	2000	15	9	17
5740	5770	2000	19	6	18
5760	5790	2000	10	1	11
5780	5810	2000	7	0	8
5800	5830	2000	4	-1	3
5820	5850	2000	2	0	2
5840	5870	2000	1	0	2
5860	5890	2000	2	2	-1
5880	5910	2000	-1	0	-1
5900	5930	2000	2	3	0
5920	5950	2000	0	3	3
5940	5970	2000	2	4	9
5960	5990	2000	0	3	-999994
5980	6010	2000	-1	12	-1000006
6000	6030	2000	-6	-1	999993
4800	4830	2100	-21	-5	-3
4820	4850	2100	-16	6	-8
4840	4870	2100	-19	3	-9
4860	4890	2100	-15	4	0
4880	4910	2100	-12	5	0
4900	4930	2100	-13	2	-7
4920	4950	2100	-14	0	-10
4940	4970	2100	-11	0	-12
4960	4990	2100	-9	1	-10
4980	5010	2100	-6	2	4
5000	5030	2100	-2	4	17
5020	5050	2100	-3	3	14
5040	5070	2100	-9	0	2

5060	5090	2100	-13	-2	-7
5080	5110	2100	-13	-3	-10
5100	5130	2100	-11	-3	-10
5120	5150	2100	-8	-2	-9
5140	5170	2100	-6	-2	0
5160	5190	2100	-3	-2	13
5180	5210	2100	-2	-2	14
5200	5230	2100	-7	-6	8
5220	5250	2100	-11	-9	5
5240	5270	2100	-12	-11	12
5260	5290	2100	-14	-12	27
5280	5310	2100	-14	-10	30
5300	5330	2100	-24	-8	17
5320	5350	2100	-31	-7	-5
5340	5370	2100	-37	-5	-21
5360	5390	2100	-35	-5	-20
5380	5410	2100	-28	-5	-13
5400	5430	2100	-23	-8	-7
5420	5450	2100	-20	-10	1
5440	5470	2100	-18	-12	0
5460	5490	2100	-18	-13	-19
5480	5510	2100	-21	-11	-34
5500	5530	2100	-15	-3	-38
5520	5550	2100	-5	-1	-24
5540	5570	2100	3	1	7
5560	5590	2100	15	7	17
5580	5610	2100	7	2	7
5600	5630	2100	4	3	-1
5620	5650	2100	1	5	-14
5640	5670	2100	3	7	-22
5660	5690	2100	3	4	-3
5680	5710	2100	15	8	17
5700	5730	2100	13	2	17
5720	5750	2100	8	1	5
5740	5770	2100	3	-3	-1000000
5760	5790	2100	1	-5	-9999993
5780	5810	2100	5	3	1000004
4800	4830	2200	-17	8	-2
4820	4850	2200	-13	7	-4
4840	4870	2200	-17	4	-3
4860	4890	2200	-11	5	-10
4880	4910	2200	-15	3	-8
4900	4930	2200	-10	2	0
4920	4950	2200	-6	4	-9
4940	4970	2200	-11	0	-8
4960	4990	2200	-5	4	4
4980	5010	2200	-3	3	-1
5000	5030	2200	-5	0	-13
5020	5050	2200	-7	-2	8
5040	5070	2200	0	-1	34
5060	5090	2200	1	2	19
5080	5110	2200	-16	-5	5
5100	5130	2200	-17	-3	8
5120	5150	2200	-17	-1	6
5140	5170	2200	-21	-2	1

5160	5190	2200	-21	0	-4
5180	5210	2200	-23	-3	-2
5200	5230	2200	-20	-2	-2
5220	5250	2200	-20	-2	-13
5240	5270	2200	-21	-3	-8
5260	5290	2200	-17	-4	2
5280	5310	2200	-11	-4	-12
5300	5330	2200	-19	-12	-15
5320	5350	2200	-11	-10	11
5340	5370	2200	-7	-9	34
5360	5390	2200	-8	-7	26
5380	5410	2200	-21	-9	0
5400	5430	2200	-28	-9	-10
5420	5450	2200	-27	-11	-13
5440	5470	2200	-22	-10	-21
5460	5490	2200	-23	-14	-15
5480	5510	2200	-13	-12	-8
5500	5530	2200	-11	-9	-3
5520	5550	2200	-10	-6	-1
5540	5570	2200	-6	-2	-22
5560	5590	2200	-12	-6	-27
5580	5610	2200	-3	0	-8
5600	5630	2200	7	3	-2
5620	5650	2200	5	3	-3
5640	5670	2200	7	4	1
5660	5690	2200	7	3	0
5680	5710	2200	8	3	-9
5700	5730	2200	5	2	-5
5720	5750	2200	10	5	7
5740	5770	2200	12	4	4
5760	5790	2200	8	-1	-9999993
5780	5810	2200	7	-4	-9999983
5800	5830	2200	9	-2	10000008
4800	4830	2300	-14	0	11
4820	4850	2300	-16	9	2
4840	4870	2300	-20	5	-10
4860	4890	2300	-21	4	-14
4880	4910	2300	-17	5	-14
4900	4930	2300	-14	4	-13
4920	4950	2300	-10	4	-10
4940	4970	2300	-7	3	-7
4960	4990	2300	-4	4	0
4980	5010	2300	-3	4	5
5000	5030	2300	-1	2	-2
5020	5050	2300	-6	-3	-6
5040	5070	2300	-3	-1	-13
5060	5090	2300	-2	-3	-3
5080	5110	2300	-1	-2	33
5100	5130	2300	9	0	37
5120	5150	2300	-9	0	24
5140	5170	2300	-16	0	19
5160	5190	2300	-21	0	1
5180	5210	2300	-28	-3	-12
5200	5230	2300	-28	-2	-9
5220	5250	2300	-22	1	-13

5240	5270	2300	-22	-1	-18
5260	5290	2300	-19	-3	-12
5280	5310	2300	-12	-1	-8
5300	5330	2300	-11	-3	-5
5320	5350	2300	-8	-3	4
5340	5370	2300	-7	-5	9
5360	5390	2300	-7	-6	-2
5380	5410	2300	-12	-12	-12
5400	5430	2300	-11	-13	-6
5420	5450	2300	-6	-11	-1
5440	5470	2300	-5	-13	4
5460	5490	2300	-6	-16	20
5480	5510	2300	-4	-15	25
5500	5530	2300	-11	-16	9
5520	5550	2300	-19	-16	-6
5540	5570	2300	-21	-14	-17
5560	5590	2300	-18	-10	-26
5580	5610	2300	-16	-7	-9
5600	5630	2300	-6	-1	1
5620	5650	2300	-2	2	-20
5640	5670	2300	-11	-5	-17
5660	5690	2300	2	8	-1
5680	5710	2300	5	10	-7
5700	5730	2300	3	6	-22
5720	5750	2300	5	5	-25
5740	5770	2300	10	3	-2
5760	5790	2300	20	6	-999971
5780	5810	2300	20	2	-999967
5800	5830	2300	12	-4	1000011
4700	4730	2400	3	2	8
4720	4750	2400	4	2	12
4740	4770	2400	2	2	11
4760	4790	2400	-3	1	16
4780	4810	2400	-3	2	23
4800	4830	2400	-9	1	26
4820	4850	2400	-13	3	24
4840	4870	2400	-22	1	3
4860	4890	2400	-26	2	-28
4880	4910	2400	-33	4	-34
4900	4930	2400	-18	4	-26
4920	4950	2400	-13	6	-13
4940	4970	2400	-4	8	3
4960	4990	2400	-1	5	10
4980	5010	2400	-3	2	15
5000	5030	2400	-5	2	15
5020	5050	2400	-9	-2	5
5040	5070	2400	-14	-4	-12
5060	5090	2400	-15	-5	-11
5080	5110	2400	-13	-4	16
5100	5130	2400	-4	0	16
5120	5150	2400	-13	-2	-7
5140	5170	2400	-20	-5	-11
5160	5190	2400	-13	-1	-1
5180	5210	2400	-13	1	18
5200	5230	2400	-9	5	11

5220	5250	2400	-16	-1	-11
5240	5270	2400	-24	-6	-7
5260	5290	2400	-12	4	-8
5280	5310	2400	-17	-5	-12
5300	5330	2400	-12	-3	-4
5320	5350	2400	-9	-4	2
5340	5370	2400	-8	-5	6
5360	5390	2400	-9	-4	8
5380	5410	2400	-10	-5	5
5400	5430	2400	-13	-6	-5
5420	5450	2400	-14	-7	-19
5440	5470	2400	-14	-8	-26
5460	5490	2400	-8	-9	-15
5480	5510	2400	-1	-11	10
5500	5530	2400	5	-12	26
5520	5550	2400	1	-16	23
5540	5570	2400	-7	-16	13
5560	5590	2400	-13	-15	9
5580	5610	2400	-16	-13	15
5600	5630	2400	-17	-6	11
5620	5650	2400	-21	-4	-26
5640	5670	2400	-27	-8	-50
5660	5690	2400	-22	-8	-1000022
5680	5710	2400	0	6	-999998
5700	5730	2400	1	5	1000000
4700	4730	2500	-12	-4	-6
4720	4750	2500	-13	3	-5
4740	4770	2500	-10	1	-1
4760	4790	2500	-9	0	0
4780	4810	2500	-9	0	-2
4800	4830	2500	-9	0	-9
4820	4850	2500	-9	0	-10
4840	4870	2500	-7	0	-15
4860	4890	2500	-2	2	-19
4880	4910	2500	-4	3	9
4900	4930	2500	10	8	26
4920	4950	2500	3	5	14
4940	4970	2500	-6	2	8
4960	4990	2500	-7	2	1
4980	5010	2500	-10	1	11
5000	5030	2500	-11	1	28
5020	5050	2500	-7	2	14
5040	5070	2500	-25	-2	-5
5060	5090	2500	-21	-1	-16
5080	5110	2500	-25	-4	-17
5100	5130	2500	-16	0	-10
5120	5150	2500	-14	-3	-5
5140	5170	2500	-10	-1	1
5160	5190	2500	-10	-1	9
5180	5210	2500	-9	2	6
5200	5230	2500	-12	-1	-13
5220	5250	2500	-16	-5	-13
5240	5270	2500	-11	-3	3
5260	5290	2500	-4	2	3
5280	5310	2500	-10	-3	-1

5300	5330	2500	-8	-3	5
5320	5350	2500	-9	-4	12
5340	5370	2500	-8	-3	8
5360	5390	2500	-14	-2	2
5380	5410	2500	-15	-2	-2
5400	5430	2500	-15	-4	-14
5420	5450	2500	-16	-7	-30
5440	5470	2500	-12	-9	-41
5460	5490	2500	-5	-10	-17
5480	5510	2500	7	-8	31
5500	5530	2500	17	-7	38
5520	5550	2500	2	-14	15
5540	5570	2500	-9	-18	15
5560	5590	2500	-10	-14	31
5580	5610	2500	-12	-10	29
5600	5630	2500	-22	-8	16
5620	5650	2500	-31	-6	-1
5640	5670	2500	-32	-5	-45
5660	5690	2500	-37	-11	-1000062
5680	5710	2500	-25	-11	-1000023
5700	5730	2500	1	8	1000000
4700	4730	2600	-22	2	-19
4720	4750	2600	-12	4	-12
4740	4770	2600	-9	5	-11
4760	4790	2600	-6	4	-11
4780	4810	2600	-3	3	-15
4800	4830	2600	-1	1	-21
4820	4850	2600	3	1	-14
4840	4870	2600	8	3	12
4860	4890	2600	15	5	32
4880	4910	2600	10	2	24
4900	4930	2600	1	1	0
4920	4950	2600	-8	-3	-6
4940	4970	2600	-5	0	27
4960	4990	2600	-2	2	44
4980	5010	2600	-5	3	7
5000	5030	2600	-29	-3	-15
5020	5050	2600	-22	0	-5
5040	5070	2600	-19	0	3
5060	5090	2600	-17	2	-2
5080	5110	2600	-19	0	-17
5100	5130	2600	-20	-4	-17
5120	5150	2600	-14	-2	-3
5140	5170	2600	-8	2	1
5160	5190	2600	-9	0	0
5180	5210	2600	-10	-3	1
5200	5230	2600	-8	-1	-2
5220	5250	2600	-11	-3	-2
5240	5270	2600	-8	-1	6
5260	5290	2600	-9	-2	9
5280	5310	2600	-8	-1	-4
5300	5330	2600	-15	-5	-10
5320	5350	2600	-11	-1	-10
5340	5370	2600	-8	1	-14
5360	5390	2600	-8	0	-12

5380	5410	2600	-1	3	-16
5400	5430	2600	-1	2	-12
5420	5450	2600	4	3	14
5440	5470	2600	10	3	30
5460	5490	2600	5	0	21
5480	5510	2600	-5	-2	6
5500	5530	2600	-10	-6	-3
5520	5550	2600	-11	-8	-4
5540	5570	2600	-10	-11	4
5560	5590	2600	-8	-15	16
5580	5610	2600	-9	-14	20
5600	5630	2600	-13	-12	14
5620	5650	2600	-20	-9	10
5640	5670	2600	-22	-5	11
5660	5690	2600	-25	-5	-1000020
5680	5710	2600	-27	-6	-1000057
5700	5730	2600	-31	-10	999968
4600	4630	2700	7	6	29
4620	4650	2700	1	3	10
4640	4670	2700	-9	4	-6
4660	4690	2700	-12	6	0
4680	4710	2700	-6	8	1
4700	4730	2700	-9	4	-8
4720	4750	2700	-9	2	-16
4740	4770	2700	-7	3	-15
4760	4790	2700	-3	5	-3
4780	4810	2700	3	6	2
4800	4830	2700	2	5	0
4820	4850	2700	1	4	4
4840	4870	2700	2	4	4
4860	4890	2700	1	2	-5
4880	4910	2700	-2	-1	-13
4900	4930	2700	1	-1	-20
4920	4950	2700	3	0	-2
4940	4970	2700	9	2	40
4960	4990	2700	15	5	46
4980	5010	2700	-1	1	23
5000	5030	2700	-15	-1	5
5020	5050	2700	-17	0	-13
5040	5070	2700	-22	-4	-18
5060	5090	2700	-15	1	-7
5080	5110	2700	-11	1	2
5100	5130	2700	-8	2	-1
5120	5150	2700	-11	-1	-3
5140	5170	2700	-10	0	1
5160	5190	2700	-8	-1	-4
5180	5210	2700	-10	-3	-12
5200	5230	2700	-9	-3	-2
5220	5250	2700	-5	-1	16
5240	5270	2700	-2	1	14
5260	5290	2700	-10	-4	0
5280	5310	2700	-13	-5	-7
5300	5330	2700	-13	-4	-10
5320	5350	2700	-10	-2	-10
5340	5370	2700	-9	-2	-3

5360	5390	2700	-4	1	-2
5380	5410	2700	-5	1	-7
5400	5430	2700	-5	1	-8
5420	5450	2700	-2	1	-8
5440	5470	2700	-1	2	1
5460	5490	2700	2	2	20
5480	5510	2700	3	3	38
5500	5530	2700	-3	1	37
5520	5550	2700	-12	-2	5
5540	5570	2700	-26	-6	-21
5560	5590	2700	-26	-10	-1000028
5580	5610	2700	-17	-9	-1000030
5600	5630	2700	-14	-11	999985
4600	4630	2800	8	10	33
4620	4650	2800	4	14	4
4640	4670	2800	-13	6	-15
4660	4690	2800	-8	8	-17
4680	4710	2800	-5	7	-19
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4820	4850	2800	-6	0	-16
4840	4870	2800	-15	-6	-11
4860	4890	2800	-2	2	0
4880	4910	2800	-3	0	1
4900	4930	2800	-3	1	6
4920	4950	2800	-2	1	0
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4960	4990	2800	-6	-2	-7
4980	5010	2800	-1	1	7
5000	5030	2800	0	3	14
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5040	5070	2800	-8	-1	-4
5060	5090	2800	-6	1	-6
5080	5110	2800	-6	1	-3
5100	5130	2800	-4	1	3
5120	5150	2800	-2	1	0
5140	5170	2800	-5	-2	-5
5160	5190	2800	-4	-1	-6
5180	5210	2800	-3	-2	-4
5200	5230	2800	-1	-2	-5
5220	5250	2800	0	-2	-5
5240	5270	2800	0	-3	5
5260	5290	2800	4	0	8
5280	5310	2800	1	-3	-1
5300	5330	2800	-2	-4	-1
5320	5350	2800	-1	-4	9
5340	5370	2800	1	-1	8
5360	5390	2800	-3	-4	0
5380	5410	2800	-6	-4	9
5400	5430	2800	-4	-2	20
5420	5450	2800	-5	1	12

5440	5470	2800	-14	-2	-1
5460	5490	2800	-15	-2	-10
5480	5510	2800	-16	-2	-5
5500	5530	2800	-12	1	9
5520	5550	2800	-9	2	10
5540	5570	2800	-14	-2	0
5560	5590	2800	-16	-4	-1000019
5580	5610	2800	-17	-8	-1000029
5600	5630	2800	-13	-9	999986

STATION	LN	FF STATION	T	Q	FF
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5040	5300	5070	7	-24	12
5060	5300	5090	5	-22	10
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5100	5300	5130	-3	-24	-9
5120	5300	5150	1	-20	-18
5140	5300	5170	0	-21	-17
5160	5300	5190	7	-18	2
5180	5300	5210	12	-12	11
5200	5300	5230	12	-9	-4
5220	5300	5250	5	-10	-18
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5280	5300	5310	18	-6	-16
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5380	5300	5410	4	-7	18
5400	5300	5430	-12	-5	-4
5420	5300	5450	-14	0	-16
5440	5300	5470	-12	-2	-33
5460	5300	5490	-10	-7	-39
5480	5300	5510	0	-4	-17
5500	5300	5530	11	-5	-23
5520	5300	5550	18	-3	-57
5540	5300	5570	10	-9	-27
5560	5300	5590	42	3	23
5580	5300	5610	43	3	28
5600	5300	5630	36	-2	9
5620	5300	5650	26	-1	-4
5640	5300	5670	25	6	0
5660	5300	5690	28	7	5
5680	5300	5710	27	7	11
5700	5300	5730	26	6	16
5720	5300	5750	24	4	12
5740	5300	5770	18	0	7
5760	5300	5790	16	-2	7
5780	5300	5810	14	-2	8
5800	5300	5830	13	-4	7
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5900	5300	5930	3	-7	-4
5920	5300	5950	3	-7	12
5940	5300	5970	5	-4	26
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5980	5300	6010	-9	-9	-100056
6000	5300	6030	-7	-6	99911
5000	5350	5030	41	-32	24
5020	5350	5050	40	-29	49
5040	5350	5070	35	-27	51
5060	5350	5090	22	-25	29

TFR NORTH GRID
 VLF DATA
 TILT ANGLE
 QUADRATURE
 FRASER FILTER.

-99996 }
 -100056 } OUT OF RANGE, NOT USED.
 99911 }

5080	5350	5110	4	-23	11
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5120	5350	5150	-5	-25	-17
5140	5350	5170	0	-22	-8
5160	5350	5190	5	-18	4
5180	5350	5210	7	-15	9
5200	5350	5230	6	-9	2
5220	5350	5250	2	-10	-7
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5340	5350	5370	10	-6	35
5360	5350	5390	-1	-6	16
5380	5350	5410	-11	-4	0
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5420	5350	5450	-13	-5	-16
5440	5350	5470	-13	-8	-25
5460	5350	5490	-8	-11	-28
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5500	5350	5530	6	-8	-57
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5560	5350	5590	47	1	33
5580	5350	5610	34	-1	15
5600	5350	5630	26	-2	3
5620	5350	5650	22	1	2
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5760	5350	5790	9	-4	-1
5780	5350	5810	8	-5	-1
5800	5350	5830	9	-5	0
5820	5350	5850	9	-5	2
5840	5350	5870	9	-3	13
5860	5350	5890	9	-3	20
5880	5350	5910	7	-3	10
5900	5350	5930	-2	-5	1
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5040	5400	5070	32	-26	34
5060	5400	5090	13	-26	15
5080	5400	5110	7	-24	9
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5120	5400	5150	1	-21	-12
5140	5400	5170	1	-20	-2

5160	5400	5190	7	-16	10
5180	5400	5210	7	-9	3
5200	5400	5230	3	-7	-10
5220	5400	5250	1	-5	-14
5240	5400	5270	6	-4	-7
5260	5400	5290	8	-5	-1
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5320	5400	5350	14	-4	38
5340	5400	5370	8	-4	22
5360	5400	5390	-6	-3	0
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5400	5400	5430	-10	-1	-7
5420	5400	5450	-6	-3	-16
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5680	5400	5710	19	4	11
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5140	5450	5170	9	-13	24
5160	5450	5190	2	-10	-8
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5200	5450	5230	-5	-6	-37
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5380	5450	5410	-4	2	-6
5400	5450	5430	-9	-4	-10
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5480	5450	5510	2	-13	-48
5500	5450	5530	18	2	-32
5520	5450	5550	31	6	0
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5560	5450	5590	44	10	35
5580	5450	5610	24	1	14
5600	5450	5630	18	1	10
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5680	5450	5710	14	2	4
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5780	5500	5810	13	2	-2
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5820	5500	5850	14	-2	9
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5880	5500	5910	6	-2	8
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5920	5500	5950	4	-2	0
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5960	5500	5990	1	-1	-99996
5980	5500	6010	2	-2	-100031
6000	5500	6030	0	-6	99933
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5060	5550	5090	44	-21	58
5080	5550	5110	26	-19	35
5100	5550	5130	8	-20	30
5120	5550	5150	4	-14	29
5140	5550	5170	-5	-11	2
5160	5550	5190	-13	-4	-34
5180	5550	5210	-17	-6	-40
5200	5550	5230	-3	-3	-23
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5280	5550	5310	14	-3	29
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5360	5550	5390	-5	0	-10
5380	5550	5410	-4	-4	-20

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5740	5550	5770	5	-2	-2
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5780	5550	5810	4	-4	-6
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5920	5550	5950	-3	-5	-4
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5960	5550	5990	2	-3	-99993
5980	5550	6010	2	-5	-100041
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5040	5600	5070	29	-16	56
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5120	5600	5150	-16	-3	-36
5140	5600	5170	-8	-2	-26
5160	5600	5190	4	-3	-18
5180	5600	5210	8	-6	-5
5200	5600	5230	14	-5	27
5220	5600	5250	16	-7	48
5240	5600	5270	11	-3	25
5260	5600	5290	-8	2	-11
5280	5600	5310	-13	1	-20
5300	5600	5330	-9	0	-12
5320	5600	5350	-1	1	-17
5340	5600	5370	-1	-4	-38
5360	5600	5390	3	-8	-51
5380	5600	5410	12	-2	-24
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5480	5600	5510	19	2	16
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5540	5600	5570	8	-1	-3
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5680	5600	5710	8	-5	9
5700	5600	5730	6	-6	8
5720	5600	5750	4	-6	3
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5780	5600	5810	1	-4	3
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5880	5600	5910	2	-2	1
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5140	5650	5170	6	2	-13
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5280	5650	5310	-10	-4	-17
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5620	5650	5650	-7	-1	-24
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5720	5650	5750	3	-4	4
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5760	5650	5790	0	-1	8
5780	5650	5810	-1	-3	-1
5800	5650	5830	-5	-6	-5
5820	5650	5850	-4	-4	1
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5860	5650	5890	-3	-3	-12
5880	5650	5910	-3	-4	-17
5900	5650	5930	-2	-4	0
5920	5650	5950	8	-1	13
5940	5650	5970	4	-4	16
5960	5650	5990	2	-4	-99993
5980	5650	6010	-3	-6	-100032
6000	5650	6030	-7	-3	99942
5000	5700	5030	23	-32	30
5020	5700	5050	27	-26	50
5040	5700	5070	19	-24	38
5060	5700	5090	1	-7	17
5080	5700	5110	-5	-9	-10
5100	5700	5130	-13	-2	-26
5120	5700	5150	-8	2	-20
5140	5700	5170	0	3	-12
5160	5700	5190	5	1	-18
5180	5700	5210	7	-4	-11
5200	5700	5230	10	-9	34
5220	5700	5250	20	-8	49
5240	5700	5270	8	-8	13
5260	5700	5290	-12	-5	-6
5280	5700	5310	-9	-1	8
5300	5700	5330	-8	-3	8
5320	5700	5350	-7	-4	-39
5340	5700	5370	-18	-18	-77
5360	5700	5390	-5	-11	-50
5380	5700	5410	19	1	8
5400	5700	5430	35	8	28
5420	5700	5450	29	1	15
5440	5700	5470	17	0	17
5460	5700	5490	19	3	23
5480	5700	5510	12	-2	19
5500	5700	5530	7	-1	18
5520	5700	5550	1	-5	26
5540	5700	5570	-1	-5	22
5560	5700	5590	-9	-4	-6
5580	5700	5610	-17	-5	-30
5600	5700	5630	-15	-2	-30
5620	5700	5650	-5	2	-18

5640	5700	5670	3	3	-5
5660	5700	5690	7	3	13
5680	5700	5710	9	4	19
5700	5700	5730	6	2	-5
5720	5700	5750	-3	-3	-31
5740	5700	5770	-1	-2	-22
5760	5700	5790	9	0	6
5780	5700	5810	18	4	23
5800	5700	5830	12	2	25
5820	5700	5850	9	-3	15
5840	5700	5870	-2	-6	-2
5860	5700	5890	-2	-5	-22
5880	5700	5910	-6	-7	-17
5900	5700	5930	4	-2	16
5920	5700	5950	10	-3	30
5940	5700	5970	5	-5	15
5960	5700	5990	-7	-10	-100005
5980	5700	6010	-8	-7	-100029
6000	5700	6030	-9	-6	99976
5000	5750	5030	13	-18	24
5020	5750	5050	1	-14	14
5040	5750	5070	-2	-9	-1
5060	5750	5090	-8	-3	-12
5080	5750	5110	-7	1	-11
5100	5750	5130	-2	3	-15
5120	5750	5150	-1	0	-24
5140	5750	5170	3	-2	-23
5160	5750	5190	9	-4	5
5180	5750	5210	17	-7	29
5200	5750	5230	18	-9	17
5220	5750	5250	3	-6	10
5240	5750	5270	3	-2	15
5260	5750	5290	1	1	19
5280	5750	5310	-5	-3	15
5300	5750	5330	-6	-4	-28
5320	5750	5350	-17	-16	-75
5340	5750	5370	-9	-17	-82
5360	5750	5390	14	-10	-24
5380	5750	5410	35	2	66
5400	5750	5430	52	2	68
5420	5750	5450	21	-4	18
5440	5750	5470	0	2	8
5460	5750	5490	5	4	11
5480	5750	5510	-2	-1	2
5500	5750	5530	-1	-3	-5
5520	5750	5550	-7	-8	14
5540	5750	5570	2	-5	32
5560	5750	5590	-5	-2	12
5580	5750	5610	-14	0	-19
5600	5750	5630	-21	-1	-26
5620	5750	5650	-10	2	-19
5640	5750	5670	-6	1	-6
5660	5750	5690	1	4	8
5680	5750	5710	2	3	9
5700	5750	5730	-1	-2	-4

5720	5750	5750	-4	-4	-20
5740	5750	5770	-4	-2	-17
5760	5750	5790	3	-2	-3
5780	5750	5810	9	4	4
5800	5750	5830	7	2	8
5820	5750	5850	8	1	9
5840	5750	5870	4	0	-1
5860	5750	5890	3	0	-7
5880	5750	5910	0	1	-2
5900	5750	5930	8	2	3
5920	5750	5950	2	-6	5
5940	5750	5970	8	-5	-2
5960	5750	5990	-1	-7	-99997
5980	5750	6010	6	-5	-99997
6000	5750	6030	3	-6	99990
5000	5800	5030	7	-12	12
5020	5800	5050	5	-8	10
5040	5800	5070	0	-4	9
5060	5800	5090	0	-3	0
5080	5800	5110	-5	-3	-8
5100	5800	5130	-4	-2	-18
5120	5800	5150	-1	-5	-36
5140	5800	5170	0	-9	-27
5160	5800	5190	13	-7	9
5180	5800	5210	22	-3	25
5200	5800	5230	18	-4	15
5220	5800	5250	8	-4	12
5240	5800	5270	7	-4	18
5260	5800	5290	4	-2	21
5280	5800	5310	-1	-4	27
5300	5800	5330	-6	-4	2
5320	5800	5350	-12	-10	-83
5340	5800	5370	-22	-20	-109
5360	5800	5390	2	-16	-4
5380	5800	5410	47	4	74
5400	5800	5430	42	4	51
5420	5800	5450	11	9	14
5440	5800	5470	4	6	-9
5460	5800	5490	-2	5	1
5480	5800	5510	3	5	27
5500	5800	5530	8	4	28
5520	5800	5550	-8	-2	30
5540	5800	5570	-8	-6	22
5560	5800	5590	-20	-5	-15
5580	5800	5610	-26	-5	-41
5600	5800	5630	-24	-3	-34
5620	5800	5650	-7	6	-25
5640	5800	5670	-2	5	-17
5660	5800	5690	5	6	10
5680	5800	5710	11	8	35
5700	5800	5730	9	3	25
5720	5800	5750	-3	-4	-10
5740	5800	5770	-12	-8	-26
5760	5800	5790	-7	-6	-3
5780	5800	5810	2	2	13

5800	5800	5830	5	4	-11
5820	5800	5850	-7	-4	-26
5840	5800	5870	1	-3	-10
5860	5800	5890	8	-1	8
5880	5800	5910	12	-2	-2
5900	5800	5930	7	-6	-15
5920	5800	5950	5	-10	6
5940	5800	5970	16	-5	10
5960	5800	5990	11	-6	-99997
5980	5800	6010	4	-11	-99982
6000	5800	6030	13	-10	100012

APPENDIX VI

LISTED GEOPHYSICAL DATA: MAGNETOMETRY SURVEY

LINE	STATION	BASE	MAG	DX	DZ
5300.00	5000.00	57150.00	57617.60	.00	-9.00
5300.00	5020.00	57150.00	57410.00	-207.60	-25.50
5300.00	5040.00	57150.00	57632.00	222.00	.60
5300.00	5060.00	57150.00	57487.30	-144.70	-15.90
5300.00	5080.00	57150.00	57387.20	-100.10	-17.20
5300.00	5100.00	57150.00	57684.10	296.90	-.20
5300.00	5120.00	57150.00	57842.80	158.70	35.70
5300.00	5140.00	57150.00	57563.50	-279.30	-15.40
5300.00	5160.00	57150.00	57251.50	-312.00	-48.10
5300.00	5180.00	57150.00	57387.40	135.90	19.80
5300.00	5200.00	57150.00	57309.10	-78.30	32.10
5300.00	5220.00	57150.00	57313.00	3.90	-9.30
5300.00	5240.00	57150.00	57944.70	631.70	76.60
5300.00	5260.00	57150.00	57411.20	-533.50	-33.60
5300.00	5280.00	57150.00	57176.80	-234.40	-14.30
5300.00	5300.00	57150.00	56902.70	-274.10	-68.80
5300.00	5320.00	57150.00	57409.80	507.10	2.20
5300.00	5340.00	57150.00	57545.40	135.60	6.00
5300.00	5360.00	57150.00	57465.60	-79.80	-9.60
5300.00	5380.00	57150.00	57592.50	126.90	3.50
5300.00	5400.00	57150.00	57684.80	92.30	4.30
5300.00	5420.00	57150.00	57889.10	204.30	6.20
5300.00	5440.00	57150.00	58390.40	501.30	37.80
5300.00	5460.00	57150.00	57581.50	-808.90	-31.50
5300.00	5480.00	57150.00	57249.10	-332.40	-35.30
5300.00	5500.00	57150.00	57861.90	612.80	93.00
5300.00	5520.00	57150.00	57316.40	-545.50	10.80
5300.00	5540.00	57150.00	57152.60	-163.80	-26.90
5300.00	5560.00	57150.00	57349.10	196.50	-9.80
5300.00	5580.00	57150.00	57524.10	175.00	-2.20
5300.00	5600.00	57150.00	57686.10	162.00	6.40
5300.00	5620.00	57150.00	57712.00	25.90	-2.90
5300.00	5640.00	57150.00	57783.20	71.20	-11.90
5300.00	5660.00	57150.00	57829.10	45.90	-1.40
5300.00	5680.00	57150.00	57920.60	91.50	2.70
5300.00	5700.00	57150.00	57913.70	-6.90	-1.60
5300.00	5720.00	57150.00	57928.80	15.10	-2.90
5300.00	5740.00	57150.00	57943.30	14.50	-7.20
5300.00	5760.00	57150.00	58069.10	125.80	11.10
5300.00	5780.00	57150.00	58032.60	-36.50	1.00
5300.00	5800.00	57150.00	58035.00	2.40	2.00
5300.00	5820.00	57150.00	58074.30	39.30	-4.60
5300.00	5840.00	57150.00	58115.80	41.50	14.60
5300.00	5860.00	57150.00	58057.00	-58.80	-2.50
5300.00	5880.00	57150.00	58077.50	20.50	2.50
5300.00	5900.00	57150.00	58030.40	-47.10	-9.20
5300.00	5920.00	57150.00	58085.00	54.60	2.10
5300.00	5940.00	57150.00	58119.50	34.50	2.90
5300.00	5960.00	57150.00	58173.50	54.00	9.10
5300.00	5980.00	57150.00	58145.10	-28.40	5.10
5300.00	6000.00	57150.00	58099.40	-45.70	.90
5350.00	5000.00	57150.00	57478.10	.00	-9.20
5350.00	5020.00	57150.00	57513.80	35.70	-6.70
5350.00	5040.00	57150.00	57520.70	6.90	-6.70
5350.00	5060.00	57150.00	57537.90	17.20	-4.40

TFR NORTH GRID
MAGNETIC DATA

5350.00	5080.00	57150.00	57804.80	266.90	72.60
5350.00	5100.00	57150.00	57290.90	-513.90	-23.00
5350.00	5120.00	57150.00	57340.50	49.60	-28.30
5350.00	5140.00	57150.00	57880.20	539.70	38.10
5350.00	5160.00	57150.00	57806.20	-74.00	38.00
5350.00	5180.00	57150.00	57441.90	-364.30	-37.00
5350.00	5200.00	57150.00	57136.90	-305.00	-27.30
5350.00	5220.00	57150.00	57311.10	174.20	-20.90
5350.00	5240.00	57150.00	57746.40	435.30	25.60
5350.00	5260.00	57150.00	57882.70	136.30	17.30
5350.00	5280.00	57150.00	57676.10	-206.60	1.70
5350.00	5300.00	57150.00	57668.80	-7.30	-1.20
5350.00	5320.00	57150.00	57502.10	-166.70	-14.20
5350.00	5340.00	57150.00	57622.20	120.10	2.90
5350.00	5360.00	57150.00	57636.20	14.00	4.00
5350.00	5380.00	57150.00	57659.00	22.80	14.10
5350.00	5400.00	57150.00	57597.40	-61.60	-4.80
5350.00	5420.00	57150.00	57519.00	-78.40	-22.50
5350.00	5440.00	57150.00	58495.20	976.20	158.10
5350.00	5460.00	57150.00	57270.30	-1224.90	-38.00
5350.00	5480.00	57150.00	57257.90	-12.40	.10
5350.00	5500.00	57150.00	57171.20	-86.70	9.00
5350.00	5520.00	57150.00	57189.90	18.70	-18.10
5350.00	5540.00	57150.00	57335.20	145.30	.40
5350.00	5560.00	57150.00	57453.90	118.70	-.60
5350.00	5580.00	57150.00	57522.70	68.80	-2.10
5350.00	5600.00	57150.00	57617.70	95.00	-7.00
5350.00	5620.00	57150.00	57742.80	125.10	11.20
5350.00	5640.00	57150.00	57788.10	45.30	8.30
5350.00	5660.00	57150.00	57768.50	-19.60	-12.00
5350.00	5680.00	57150.00	57873.90	105.40	3.10
5350.00	5700.00	57150.00	57864.90	-9.00	-2.70
5350.00	5720.00	57150.00	57926.10	61.20	.70
5350.00	5740.00	57150.00	57965.20	39.10	3.20
5350.00	5760.00	57150.00	58049.30	84.10	14.10
5350.00	5780.00	57150.00	57987.40	-61.90	-11.10
5350.00	5800.00	57150.00	58043.00	55.60	-.10
5350.00	5820.00	57150.00	58035.50	-7.50	-2.50
5350.00	5840.00	57150.00	58025.60	-9.90	-5.20
5350.00	5860.00	57150.00	58021.70	-3.90	-6.40
5350.00	5880.00	57150.00	58073.20	51.50	-4.10
5350.00	5900.00	57150.00	58099.50	26.30	3.10
5350.00	5920.00	57150.00	58078.00	-21.50	.20
5350.00	5940.00	57150.00	58093.60	15.60	-1.10
5350.00	5960.00	57150.00	58194.70	101.10	8.80
5350.00	5980.00	57150.00	58178.80	-15.90	1.00
5350.00	6000.00	57150.00	58183.50	4.70	6.20
5400.00	5000.00	57150.00	57558.60	.00	-4.10
5400.00	5020.00	57150.00	57823.10	264.50	47.10
5400.00	5040.00	57150.00	57536.00	-287.10	-5.40
5400.00	5060.00	57150.00	57306.90	-229.10	-20.70
5400.00	5080.00	57150.00	57309.10	2.20	-6.70
5400.00	5100.00	57150.00	57504.00	194.90	5.30
5400.00	5120.00	57150.00	57571.40	67.40	3.20
5400.00	5140.00	57150.00	57360.90	-210.50	-45.10

5400.00	5160.00	57150.00	56743.70	-617.20	-147.70
5400.00	5180.00	57150.00	57154.70	411.00	-14.60
5400.00	5200.00	57150.00	57623.40	468.70	11.90
5400.00	5220.00	57150.00	58029.80	406.40	34.20
5400.00	5240.00	57150.00	57775.60	-254.20	3.00
5400.00	5260.00	57150.00	57461.40	-314.20	-22.10
5400.00	5280.00	57150.00	57503.90	42.50	-11.00
5400.00	5300.00	57150.00	57549.00	45.10	1.20
5400.00	5320.00	57150.00	57511.90	-37.10	-4.40
5400.00	5340.00	57150.00	57557.40	45.50	3.30
5400.00	5360.00	57150.00	57655.40	98.00	9.90
5400.00	5380.00	57150.00	57879.00	223.60	53.10
5400.00	5400.00	57150.00	57459.90	-419.10	-10.00
5400.00	5420.00	57150.00	57599.00	139.10	7.60
5400.00	5440.00	57150.00	57532.70	-66.30	3.60
5400.00	5460.00	57150.00	57415.90	-116.80	-2.40
5400.00	5480.00	57150.00	57298.70	-117.20	-3.50
5400.00	5500.00	57150.00	57268.10	-30.60	-6.00
5400.00	5520.00	57150.00	57317.20	49.10	-11.10
5400.00	5540.00	57150.00	57431.70	114.50	.60
5400.00	5560.00	57150.00	57465.40	33.70	-2.00
5400.00	5580.00	57150.00	57518.70	53.30	-11.30
5400.00	5600.00	57150.00	57659.70	141.00	.20
5400.00	5620.00	57150.00	57695.60	35.90	2.80
5400.00	5640.00	57150.00	57747.20	51.60	1.10
5400.00	5660.00	57150.00	57763.60	16.40	-4.60
5400.00	5680.00	57150.00	57778.40	14.80	-8.40
5400.00	5700.00	57150.00	57865.10	86.70	5.60
5400.00	5720.00	57150.00	57850.70	-14.40	-1.90
5400.00	5740.00	57150.00	57863.80	13.10	-11.10
5400.00	5760.00	57150.00	57964.00	100.20	2.30
5400.00	5780.00	57150.00	58000.10	36.10	6.70
5400.00	5800.00	57150.00	57980.80	-19.30	.10
5400.00	5820.00	57150.00	58008.30	27.50	6.20
5400.00	5840.00	57150.00	57983.50	-24.80	-4.80
5400.00	5860.00	57150.00	58038.60	55.10	1.50
5400.00	5880.00	57150.00	58039.60	1.00	-1.50
5400.00	5900.00	57150.00	58053.40	13.80	4.10
5400.00	5920.00	57150.00	58039.70	-13.70	-2.10
5400.00	5940.00	57150.00	58040.50	.80	2.90
5400.00	5960.00	57150.00	58113.00	72.50	6.80
5400.00	5980.00	57150.00	58091.70	-21.30	-4.70
5400.00	6000.00	57150.00	58191.50	99.80	8.20
5450.00	5000.00	57150.00	57536.70	.00	3.30
5450.00	5020.00	57150.00	57517.90	-18.80	5.30
5450.00	5040.00	57150.00	57468.10	-49.80	-9.10
5450.00	5060.00	57150.00	57514.90	46.80	7.50
5450.00	5080.00	57150.00	57447.50	-67.40	-4.00
5450.00	5100.00	57150.00	57372.50	-75.00	-37.20
5450.00	5120.00	57150.00	57432.90	60.40	1.00
5450.00	5140.00	57150.00	57454.30	21.40	-1.20
5450.00	5160.00	57150.00	57503.70	49.40	-11.20
5450.00	5180.00	57150.00	57760.30	256.60	7.00
5450.00	5200.00	57150.00	58035.50	275.20	22.50
5450.00	5220.00	57150.00	57774.10	-261.40	7.40

5450.00	5240.00	57150.00	57515.80	-258.30	-5.60
5450.00	5260.00	57150.00	57420.00	-95.80	-8.20
5450.00	5280.00	57150.00	57521.70	101.70	2.70
5450.00	5300.00	57150.00	57562.60	40.90	-9.10
5450.00	5320.00	57150.00	57217.00	-345.60	-27.70
5450.00	5340.00	57150.00	57223.10	6.10	-16.10
5450.00	5360.00	57150.00	57376.80	153.70	4.40
5450.00	5380.00	57150.00	57272.10	-104.70	-16.70
5450.00	5400.00	57150.00	57307.20	35.10	-13.90
5450.00	5420.00	57150.00	57489.50	182.30	-8.50
5450.00	5440.00	57150.00	57703.60	214.10	17.60
5450.00	5460.00	57150.00	57198.80	-504.80	-19.90
5450.00	5480.00	57150.00	57136.30	-62.50	-8.90
5450.00	5500.00	57150.00	57316.30	180.00	3.70
5450.00	5520.00	57150.00	57470.60	154.30	.90
5450.00	5540.00	57150.00	57443.60	-27.00	.20
5450.00	5560.00	57150.00	57486.70	43.10	-4.30
5450.00	5580.00	57150.00	57576.40	89.70	-1.60
5450.00	5600.00	57150.00	57606.30	29.90	-1.20
5450.00	5620.00	57150.00	57694.00	87.70	-.10
5450.00	5640.00	57150.00	57715.70	21.70	-4.80
5450.00	5660.00	57150.00	57784.50	68.80	-4.80
5450.00	5680.00	57150.00	57734.30	-50.20	-9.30
5450.00	5700.00	57150.00	57734.20	-.10	-8.60
5450.00	5720.00	57150.00	57788.60	54.40	-1.30
5450.00	5740.00	57150.00	57804.60	16.00	-9.00
5450.00	5760.00	57150.00	57894.30	89.70	4.60
5450.00	5780.00	57150.00	57967.30	73.00	8.60
5450.00	5800.00	57150.00	57992.70	25.40	.20
5450.00	5820.00	57150.00	58009.70	17.00	-3.50
5450.00	5840.00	57150.00	58026.60	16.90	-.10
5450.00	5860.00	57150.00	57992.90	-33.70	-8.60
5450.00	5880.00	57150.00	57951.60	-41.30	-11.30
5450.00	5900.00	57150.00	58006.00	54.40	.50
5450.00	5920.00	57150.00	58033.40	27.40	-2.10
5450.00	5940.00	57150.00	58086.10	52.70	-3.30
5450.00	5960.00	57150.00	58114.80	28.70	-2.10
5450.00	5980.00	57150.00	58161.30	46.50	.90
5450.00	6000.00	57150.00	58179.10	17.80	5.70
5500.00	5000.00	57150.00	58080.20	370.80	58.60
5500.00	5020.00	57150.00	57747.20	-88.60	-6.20
5500.00	5040.00	57150.00	57478.60	21.60	-23.40
5500.00	5060.00	57150.00	57246.20	-212.10	-12.50
5500.00	5080.00	57150.00	57843.70	505.80	55.70
5500.00	5100.00	57150.00	58062.90	871.10	36.90
5500.00	5120.00	57150.00	57753.90	569.10	1.90
5500.00	5140.00	57150.00	57628.10	416.00	7.30
5500.00	5160.00	57150.00	57371.90	67.50	-21.90
5500.00	5180.00	57150.00	57756.60	346.80	12.30
5500.00	5200.00	57150.00	57902.00	375.90	10.90
5500.00	5220.00	57150.00	57907.70	378.10	3.10
5500.00	5240.00	57150.00	57676.70	183.20	-7.20
5500.00	5260.00	57150.00	57587.10	462.80	26.70
5500.00	5280.00	57150.00	57333.00	93.10	-13.30
5500.00	5300.00	57150.00	57292.80	35.30	-1.20

5500.00	5320.00	57150.00	57224.50	-21.20	-1.30
5500.00	5340.00	57150.00	57189.20	-28.40	-7.90
5500.00	5360.00	57150.00	57263.30	61.90	2.90
5500.00	5380.00	57150.00	57339.00	161.00	5.60
5500.00	5400.00	57150.00	57311.60	308.10	.40
5500.00	5420.00	57150.00	57287.60	209.50	-7.40
5500.00	5440.00	57150.00	57334.10	46.50	-22.80
5500.00	5460.00	57150.00	57150.40	-183.70	-5.60
5550.00	5000.00	57150.00	57709.40	.00	9.60
5550.00	5020.00	57150.00	57835.80	-244.40	37.00
5550.00	5040.00	57150.00	57457.00	-290.20	-8.30
5550.00	5060.00	57150.00	57458.30	-20.30	-5.10
5550.00	5080.00	57150.00	57337.90	91.70	-2.80
5550.00	5100.00	57150.00	57191.80	-651.90	-18.50
5550.00	5120.00	57150.00	57184.80	-878.10	-7.70
5550.00	5140.00	57150.00	57212.10	-541.80	-5.50
5550.00	5160.00	57150.00	57304.40	-323.70	1.80
5550.00	5180.00	57150.00	57409.80	37.90	-9.40
5550.00	5200.00	57150.00	57526.10	-230.50	-4.70
5550.00	5220.00	57150.00	57529.60	-372.40	-30.70
5550.00	5240.00	57150.00	57493.50	-414.20	13.40
5550.00	5260.00	57150.00	57124.30	-552.40	-18.80
5550.00	5280.00	57150.00	57239.90	-347.20	-1.60
5550.00	5300.00	57150.00	57257.50	-75.50	2.00
5550.00	5320.00	57150.00	57246.10	-46.70	3.90
5550.00	5340.00	57150.00	57217.60	-6.90	2.30
5550.00	5360.00	57150.00	57201.40	12.20	.90
5550.00	5380.00	57150.00	57178.00	-85.30	-7.70
5550.00	5400.00	57150.00	57003.50	-335.50	-66.60
5550.00	5420.00	57150.00	57078.10	-233.50	-1.80
5500.00	5500.00	57150.00	57164.30	.00	-10.10
5500.00	5520.00	57150.00	57268.20	103.90	-17.90
5500.00	5540.00	57150.00	57358.90	90.70	2.20
5500.00	5560.00	57150.00	57478.20	119.30	-.70
5500.00	5580.00	57150.00	57517.60	39.40	-.90
5500.00	5600.00	57150.00	57531.00	13.40	-6.60
5500.00	5620.00	57150.00	57601.20	70.20	-7.90
5500.00	5640.00	57150.00	57692.30	91.10	-3.50
5500.00	5660.00	57150.00	57770.70	78.40	.60
5500.00	5680.00	57150.00	57722.40	-48.30	-2.40
5500.00	5700.00	57150.00	57810.10	87.70	7.50
5500.00	5720.00	57150.00	57794.60	-15.50	-1.10
5500.00	5740.00	57150.00	57854.80	60.20	6.50
5500.00	5760.00	57150.00	57821.30	-33.50	-6.30
5500.00	5780.00	57150.00	57915.00	93.70	7.50
5500.00	5800.00	57150.00	57919.20	4.20	-4.50
5500.00	5820.00	57150.00	57948.50	29.30	-11.70
5500.00	5840.00	57150.00	58008.10	59.60	4.20
5500.00	5860.00	57150.00	58029.00	20.90	2.70
5500.00	5880.00	57150.00	57950.50	-78.50	-11.20
5500.00	5900.00	57150.00	57993.30	42.80	-6.20
5500.00	5920.00	57150.00	58036.40	43.10	-3.20
5500.00	5940.00	57150.00	58058.90	22.50	-15.40
5500.00	5960.00	57150.00	58161.40	102.50	-.80
5500.00	5980.00	57150.00	58198.90	37.50	9.00

5500.00	6000.00	57150.00	58184.00	-14.90	-9.10
5550.00	5440.00	57150.00	57069.60	.00	-10.20
5550.00	5460.00	57150.00	57095.30	25.70	-15.20
5550.00	5480.00	57150.00	57366.90	271.60	3.60
5550.00	5500.00	57150.00	57417.00	50.10	3.40
5550.00	5520.00	57150.00	57407.70	-9.30	12.10
5550.00	5540.00	57150.00	57380.10	-27.60	-6.70
5550.00	5560.00	57150.00	57434.80	54.70	-2.10
5550.00	5580.00	57150.00	57496.90	62.10	-1.10
5550.00	5600.00	57150.00	57563.70	66.80	-1.80
5550.00	5620.00	57150.00	57638.90	75.20	-.10
5550.00	5640.00	57150.00	57738.10	99.20	5.00
5550.00	5660.00	57150.00	57768.50	30.40	4.10
5550.00	5680.00	57150.00	57801.70	33.20	5.50
5550.00	5700.00	57150.00	57830.40	28.70	2.90
5550.00	5720.00	57150.00	57862.10	31.70	8.90
5550.00	5740.00	57150.00	57831.70	-30.40	-3.40
5550.00	5760.00	57150.00	57900.10	68.40	6.20
5550.00	5780.00	57150.00	57893.00	-7.10	-.40
5550.00	5800.00	57150.00	57935.90	42.90	1.80
5550.00	5820.00	57150.00	57964.10	28.20	4.50
5550.00	5840.00	57150.00	57988.70	24.60	1.80
5550.00	5860.00	57150.00	57987.30	-1.40	-4.00
5550.00	5880.00	57150.00	58052.30	65.00	5.30
5550.00	5900.00	57150.00	58057.90	5.60	-1.80
5550.00	5920.00	57150.00	58055.40	-2.50	-7.00
5550.00	5940.00	57150.00	58147.70	92.30	4.10
5550.00	5960.00	57150.00	58203.10	55.40	2.30
5550.00	5980.00	57150.00	58207.70	4.60	3.60
5550.00	6000.00	57150.00	58226.10	18.40	.00
5600.00	5000.00	57150.00	57793.80	.00	65.30
5600.00	5020.00	57150.00	57188.20	-605.60	-35.60
5600.00	5040.00	57150.00	57140.80	-47.40	6.60
5600.00	5060.00	57150.00	57121.20	-19.60	-.70
5600.00	5080.00	57150.00	57137.60	16.40	-1.70
5600.00	5100.00	57150.00	57206.30	68.70	-6.90
5600.00	5120.00	57150.00	57449.30	243.00	-.20
5600.00	5140.00	57150.00	57795.70	346.40	23.60
5600.00	5160.00	57150.00	57690.70	-105.00	23.00
5600.00	5180.00	57150.00	57307.30	-383.40	9.00
5600.00	5200.00	57150.00	56970.50	-336.80	-11.00
5600.00	5220.00	57150.00	57036.30	65.80	-33.00
5600.00	5240.00	57150.00	57266.90	230.60	10.10
5600.00	5260.00	57150.00	57230.40	-36.50	3.20
5600.00	5280.00	57150.00	57195.00	-35.40	-4.10
5600.00	5300.00	57150.00	57170.10	-24.90	-4.60
5600.00	5320.00	57150.00	57158.10	-12.00	-1.70
5600.00	5340.00	57150.00	57216.40	58.30	7.80
5600.00	5360.00	57150.00	57117.40	-99.00	-15.00
5600.00	5380.00	57150.00	57107.50	-9.90	-5.30
5600.00	5400.00	57150.00	57331.00	223.50	52.90
5600.00	5420.00	57150.00	57092.30	-238.70	-13.70
5600.00	5440.00	57150.00	57224.80	132.50	-10.50
5600.00	5460.00	57150.00	57262.30	37.50	7.70
5600.00	5480.00	57150.00	57249.60	-12.70	-2.30

5600.00	5500.00	57150.00	57322.50	72.90	-1.10
5600.00	5520.00	57150.00	57407.10	84.60	2.10
5600.00	5540.00	57150.00	57460.80	53.70	-3.10
5600.00	5560.00	57150.00	57542.30	81.50	-.90
5600.00	5580.00	57150.00	57618.40	76.10	1.60
5600.00	5600.00	57150.00	57665.40	47.00	-6.60
5600.00	5620.00	57150.00	57754.00	88.60	11.40
5600.00	5640.00	57150.00	57772.80	18.80	5.00
5600.00	5660.00	57150.00	57804.10	31.30	-11.00
5600.00	5680.00	57150.00	57826.60	22.50	-16.50
5600.00	5700.00	57150.00	57847.10	20.50	-5.20
5600.00	5720.00	57150.00	57868.60	21.50	-4.50
5600.00	5740.00	57150.00	57885.40	16.80	-7.30
5600.00	5760.00	57150.00	57878.00	-7.40	-35.40
5600.00	5780.00	57150.00	57953.50	75.50	4.80
5600.00	5800.00	57150.00	57975.60	22.10	-6.00
5600.00	5820.00	57150.00	57999.10	23.50	.70
5600.00	5840.00	57150.00	58014.00	14.90	-5.60
5600.00	5860.00	57150.00	58018.30	4.30	-16.30
5600.00	5880.00	57150.00	58029.10	10.80	-7.70
5600.00	5900.00	57150.00	58070.20	41.10	-7.40
5600.00	5920.00	57150.00	58036.80	-33.40	-7.80
5600.00	5940.00	57150.00	58091.10	54.30	-7.20
5600.00	5960.00	57150.00	58129.60	38.50	-4.10
5600.00	5980.00	57150.00	58180.60	51.00	-4.70
5600.00	6000.00	57150.00	58202.90	22.30	.90
5650.00	5000.00	57150.00	56949.10	.00	-3.40
5650.00	5020.00	57150.00	56968.20	19.10	-2.90
5650.00	5040.00	57150.00	56982.70	14.50	-3.40
5650.00	5060.00	57150.00	57144.80	162.10	11.20
5650.00	5080.00	57150.00	57081.80	-63.00	5.40
5650.00	5100.00	57150.00	57098.40	16.60	6.40
5650.00	5120.00	57150.00	57253.60	155.20	19.60
5650.00	5140.00	57150.00	56952.80	-300.80	-31.50
5650.00	5160.00	57150.00	56895.90	-56.90	-11.60
5650.00	5180.00	57150.00	57020.20	124.30	-3.90
5650.00	5200.00	57150.00	57178.40	158.20	7.40
5650.00	5220.00	57150.00	57206.00	27.60	1.60
5650.00	5240.00	57150.00	57137.10	-68.90	-4.50
5650.00	5260.00	57150.00	57167.70	30.60	1.20
5650.00	5280.00	57150.00	57152.20	-15.50	-1.90
5650.00	5300.00	57150.00	57127.80	-24.40	-1.80
5650.00	5320.00	57150.00	57187.20	59.40	9.90
5650.00	5340.00	57150.00	57051.20	-136.00	-19.30
5650.00	5380.00	57150.00	57086.10	34.90	-8.20
5650.00	5400.00	57150.00	57001.00	-85.10	-32.60
5650.00	5420.00	57150.00	57094.90	93.90	2.50
5650.00	5440.00	57150.00	57112.50	17.60	-24.40
5650.00	5460.00	57150.00	57224.20	111.70	-1.60
5650.00	5480.00	57150.00	57254.80	30.60	-3.70
5650.00	5500.00	57150.00	57303.10	48.30	-7.90
5650.00	5520.00	57150.00	57377.20	74.10	-.40
5650.00	5540.00	57150.00	57464.90	87.70	-6.80
5650.00	5560.00	57150.00	57534.60	69.70	.00
5650.00	5580.00	57150.00	57633.60	99.00	4.80

5650.00	5600.00	57150.00	57697.60	64.00	-2.00
5650.00	5620.00	57150.00	57788.10	90.50	4.90
5650.00	5640.00	57150.00	57790.50	2.40	-8.30
5650.00	5660.00	57150.00	57853.60	63.10	-2.80
5650.00	5680.00	57150.00	57905.50	51.90	-5.10
5650.00	5700.00	57150.00	57976.90	71.40	-.40
5650.00	5720.00	57150.00	58059.60	82.70	12.10
5650.00	5740.00	57150.00	58120.50	60.90	5.40
5650.00	5760.00	57150.00	58079.10	-41.40	4.50
5650.00	5780.00	57150.00	58008.50	-70.60	-2.20
5650.00	5800.00	57150.00	57928.70	-79.80	-6.70
5650.00	5820.00	57150.00	57886.30	-42.40	-10.90
5650.00	5840.00	57150.00	57892.90	6.60	-5.60
5650.00	5860.00	57150.00	57895.20	2.30	-10.80
5650.00	5880.00	57150.00	57935.20	40.00	-4.10
5650.00	5900.00	57150.00	57947.90	12.70	-15.10
5650.00	5920.00	57150.00	58168.10	220.20	11.50
5650.00	5940.00	57150.00	58237.50	69.40	3.80
5650.00	5960.00	57150.00	58332.50	95.00	6.30
5650.00	5980.00	57150.00	58429.60	97.10	12.50
5650.00	6000.00	57150.00	58490.10	60.50	9.10
5700.00	5000.00	57150.00	57238.20	.00	5.30
5700.00	5020.00	57150.00	56982.50	-255.70	-11.00
5700.00	5040.00	57150.00	56921.70	-60.80	-21.40
5700.00	5060.00	57150.00	57006.30	84.60	-4.80
5700.00	5080.00	57150.00	57037.80	31.50	-3.90
5700.00	5100.00	57150.00	57135.20	97.40	-6.00
5700.00	5120.00	57150.00	57206.10	70.90	2.10
5700.00	5140.00	57150.00	57077.30	-128.80	-7.90
5700.00	5160.00	57150.00	57113.00	35.70	-.30
5700.00	5180.00	57150.00	57128.10	15.10	-3.60
5700.00	5200.00	57150.00	57150.60	22.50	-4.40
5700.00	5220.00	57150.00	57137.00	-13.60	-1.10
5700.00	5240.00	57150.00	57218.70	81.70	-2.10
5700.00	5260.00	57150.00	57180.70	-38.00	-1.10
5700.00	5280.00	57150.00	57161.50	-19.20	-3.90
5700.00	5300.00	57150.00	57169.40	7.90	4.60
5700.00	5320.00	57150.00	57161.20	-8.20	1.40
5700.00	5340.00	57150.00	57088.50	-72.70	1.60
5700.00	5360.00	57150.00	57076.90	-11.60	1.80
5700.00	5380.00	57150.00	57065.50	-11.40	-13.60
5700.00	5400.00	57150.00	57103.20	37.70	-4.00
5700.00	5420.00	57150.00	57253.10	149.90	10.90
5700.00	5440.00	57150.00	57281.50	28.40	-1.40
5700.00	5460.00	57150.00	57274.90	-6.60	1.40
5700.00	5480.00	57150.00	57312.30	37.40	-3.30
5700.00	5500.00	57150.00	57356.90	44.60	-.40
5700.00	5520.00	57150.00	57372.20	15.30	-.10
5700.00	5540.00	57150.00	57457.70	85.50	-1.50
5700.00	5560.00	57150.00	57503.90	46.20	-4.10
5700.00	5580.00	57150.00	57478.10	-25.80	1.30
5700.00	5600.00	57150.00	57565.40	87.30	1.60
5700.00	5620.00	57150.00	57723.50	158.10	4.60
5700.00	5640.00	57150.00	57758.70	35.20	-5.70
5700.00	5660.00	57150.00	57857.00	98.30	-4.70

5700.00	5680.00	57150.00	58016.50	159.50	12.00
5700.00	5700.00	57150.00	58067.90	51.40	6.00
5700.00	5720.00	57150.00	58032.50	-35.40	-13.80
5700.00	5740.00	57150.00	58047.90	15.40	-8.70
5700.00	5760.00	57150.00	58116.40	68.50	14.00
5700.00	5780.00	57150.00	58044.60	-71.80	-13.80
5700.00	5800.00	57150.00	58154.90	110.30	-10.10
5700.00	5820.00	57150.00	58345.70	190.80	6.20
5700.00	5840.00	57150.00	58331.00	-14.70	8.70
5700.00	5860.00	57150.00	58216.60	-114.40	1.70
5700.00	5880.00	57150.00	58321.90	105.30	2.80
5700.00	5900.00	57150.00	58411.30	89.40	11.10
5700.00	5920.00	57150.00	58453.30	42.00	-1.90
5700.00	5940.00	57150.00	58682.30	229.00	18.00
5700.00	5960.00	57150.00	58756.70	74.40	24.80
5700.00	5980.00	57150.00	58758.40	1.70	31.20
5700.00	6000.00	57150.00	58663.80	-94.60	11.60
5750.00	5000.00	57150.00	57154.20	.00	1.90
5750.00	5020.00	57150.00	57140.90	-13.30	4.70
5750.00	5040.00	57150.00	57094.20	-46.70	-1.20
5750.00	5060.00	57150.00	57089.00	-5.20	.30
5750.00	5080.00	57150.00	57104.70	15.70	-.30
5750.00	5100.00	57150.00	57113.50	8.80	-4.90
5750.00	5120.00	57150.00	57199.10	85.60	6.10
5750.00	5140.00	57150.00	57311.20	112.10	9.40
5750.00	5160.00	57150.00	57246.60	-64.60	-10.20
5750.00	5180.00	57150.00	57176.80	-69.80	-11.50
5750.00	5200.00	57150.00	57070.90	-105.90	-17.90
5750.00	5220.00	57150.00	57359.70	288.80	17.90
5750.00	5240.00	57150.00	57267.10	-92.60	3.00
5750.00	5260.00	57150.00	57168.50	-98.60	-4.00
5750.00	5280.00	57150.00	57152.70	-15.80	.50
5750.00	5300.00	57150.00	57120.30	-32.40	-11.70
5750.00	5320.00	57150.00	57174.40	54.10	10.00
5750.00	5340.00	57150.00	57067.60	-106.80	-8.30
5750.00	5360.00	57150.00	57039.30	-28.30	-12.70
5750.00	5380.00	57150.00	57100.00	60.70	-5.50
5750.00	5400.00	57150.00	57121.60	21.60	-6.00
5750.00	5420.00	57150.00	57284.00	162.40	2.90
5750.00	5440.00	57150.00	57266.30	-17.70	-3.70
5750.00	5460.00	57150.00	57253.10	-13.20	-8.00
5750.00	5480.00	57150.00	57316.80	63.70	-7.70
5750.00	5500.00	57150.00	57439.50	122.70	.60
5750.00	5520.00	57150.00	57572.30	132.80	8.00
5750.00	5540.00	57150.00	57457.60	-114.70	-9.50
5750.00	5560.00	57150.00	57495.00	37.40	-5.60
5750.00	5580.00	57150.00	57556.80	61.80	2.60
5750.00	5600.00	57150.00	57694.70	137.90	4.20
5750.00	5620.00	57150.00	57809.50	114.80	1.60
5750.00	5640.00	57150.00	58098.10	288.60	15.00
5750.00	5660.00	57150.00	58110.60	12.50	12.50
5750.00	5680.00	57150.00	58128.50	17.90	29.80
5750.00	5700.00	57150.00	58174.00	45.50	28.10
5750.00	5720.00	57150.00	58044.80	-129.20	-.20
5750.00	5740.00	57150.00	58078.90	34.10	7.50

5750.00	5760.00	57150.00	58039.30	-39.60	-14.30
5750.00	5780.00	57150.00	58205.20	165.90	-1.20
5750.00	5800.00	57150.00	58327.00	121.80	-5.00
5750.00	5820.00	57150.00	58491.30	164.30	.80
5750.00	5840.00	57150.00	58630.10	138.80	27.40
5750.00	5860.00	57150.00	58408.60	-221.50	.10
5750.00	5880.00	57150.00	58304.10	-104.50	-1.80
5750.00	5900.00	57150.00	58485.20	181.10	16.30
5750.00	5920.00	57150.00	58610.80	125.60	15.40
5750.00	5940.00	57150.00	58942.70	331.90	46.50
5750.00	5960.00	57150.00	58573.50	-369.20	4.80
5750.00	5980.00	57150.00	58504.30	-69.20	-2.60
5750.00	6000.00	57150.00	58505.00	.70	-.40
5800.00	5000.00	57150.00	57175.50	.00	.20
5800.00	5020.00	57150.00	57153.30	-22.20	.20
5800.00	5040.00	57150.00	57223.40	70.10	2.70
5800.00	5060.00	57150.00	57176.10	-47.30	-2.70
5800.00	5080.00	57150.00	57140.80	-35.30	-3.10
5800.00	5100.00	57150.00	57087.50	-53.30	-6.40
5800.00	5120.00	57150.00	57143.70	56.20	-3.00
5800.00	5140.00	57150.00	57167.70	24.00	-5.40
5800.00	5160.00	57150.00	57252.40	84.70	-10.00
5800.00	5180.00	57150.00	57687.50	435.10	40.70
5800.00	5200.00	57150.00	57224.10	-463.40	-8.90
5800.00	5220.00	57150.00	57091.60	-132.50	-6.20
5800.00	5240.00	57150.00	57113.00	21.40	-6.50
5800.00	5260.00	57150.00	57115.80	19.10	-7.60
5800.00	5280.00	57150.00	57165.20	37.80	-2.30
5800.00	5300.00	57150.00	57217.00	-1.50	-1.40
5800.00	5320.00	57150.00	57264.30	8.30	13.30
5800.00	5340.00	57150.00	57003.10	-5.00	-28.50
5800.00	5360.00	57150.00	57104.70	-2.20	-1.90
5800.00	5380.00	57150.00	57069.70	-35.00	-55.20
5800.00	5400.00	57150.00	57152.50	82.80	-1.20
5800.00	5420.00	57150.00	57320.60	168.10	3.00
5800.00	5440.00	57150.00	57264.20	-56.40	-9.40
5800.00	5460.00	57150.00	57326.40	62.20	-6.30
5800.00	5480.00	57150.00	57601.50	275.10	12.90
5800.00	5500.00	57150.00	57731.30	129.80	18.80
5800.00	5520.00	57150.00	57605.40	-125.90	-9.90
5800.00	5540.00	57150.00	57628.30	22.90	-2.70
5800.00	5560.00	57150.00	57469.40	-158.90	-21.30
5800.00	5580.00	57150.00	57505.10	35.70	-2.70
5800.00	5600.00	57150.00	57533.10	28.00	-9.10
5800.00	5620.00	57150.00	57525.20	-7.90	-26.70
5800.00	5640.00	57150.00	57591.60	66.40	-19.10
5800.00	5660.00	57150.00	57716.10	124.50	-25.40
5800.00	5680.00	57150.00	58129.40	413.30	19.10
5800.00	5700.00	57150.00	58100.00	-29.40	5.30
5800.00	5720.00	57150.00	58051.90	-48.10	6.20
5800.00	5740.00	57150.00	57910.20	-141.70	-32.90
5800.00	5760.00	57150.00	58141.00	230.80	4.80
5800.00	5780.00	57150.00	58964.80	823.80	63.10
5800.00	5800.00	57150.00	58714.50	-250.30	-13.50
5800.00	5820.00	57150.00	59018.60	304.10	47.10

5800.00	5840.00	57150.00	58533.00	-485.60	-12.90
5800.00	5860.00	57150.00	59192.00	659.00	111.20
5800.00	5880.00	57150.00	58630.20	-561.80	3.90
5800.00	5900.00	57150.00	58778.60	148.40	42.10
5800.00	5920.00	57150.00	58278.80	-499.80	-18.70
5800.00	5940.00	57150.00	57938.00	-340.80	-25.90
5800.00	5960.00	57150.00	57943.70	5.70	-6.80
5800.00	5980.00	57150.00	57982.40	38.70	4.10
5800.00	6000.00	57150.00	58021.70	39.30	6.70

APPENDIX VII

LISTED GEOPHYSICAL DATA: INDUCED POLARIZATION SURVEY

P ₁	P ₂	P ₃	P ₄	LN	STATION	N	R	I.P.	M.F.
5080	5100	5060	5040	5350	5070	1	157	10.0	4
5100	5120	5080	5060	5350	5090	1	118	12.5	11
5120	5140	5100	5080	5350	5110	1	281	14.0	5
5140	5160	5120	5100	5350	5130	1	217	8.5	4
5160	5180	5140	5120	5350	5150	1	282	7.0	2
5180	5200	5160	5140	5350	5170	1	366	8.5	2
5200	5220	5180	5160	5350	5190	1	160	8.5	5
5220	5240	5200	5180	5350	5210	1	138	6.5	5
5240	5260	5220	5200	5350	5230	1	62	6.0	10
5260	5280	5240	5220	5350	5250	1	90	4.0	4
5280	5300	5260	5240	5350	5270	1	138	2.5	2
5300	5320	5280	5260	5350	5290	1	55	2.0	4
5320	5340	5300	5280	5350	5310	1	64	2.0	3
5340	5360	5320	5300	5350	5330	1	48	2.0	4
5360	5380	5340	5320	5350	5350	1	49	2.0	4
5380	5400	5360	5340	5350	5370	1	29	2.5	9
5400	5420	5380	5360	5350	5390	1	93	4.0	4
5420	5440	5400	5380	5350	5410	1	82	7.5	9
5440	5460	5420	5400	5350	5430	1	258	6.5	3
5460	5480	5440	5420	5350	5450	1	273	6.0	2
5480	5500	5460	5440	5350	5470	1	282	7.0	2
5500	5520	5480	5460	5350	5490	1	231	7.5	3
5520	5540	5500	5480	5350	5510	1	113	8.0	7
5540	5560	5520	5500	5350	5530	1	63	8.0	13
5560	5580	5540	5520	5350	5550	1	84	8.0	10
5580	5600	5560	5540	5350	5570	1	71	5.5	8
5600	5620	5580	5560	5350	5590	1	62	3.5	6
5620	5640	5600	5580	5350	5610	1	129	3.5	3
5640	5660	5620	5600	5350	5630	1	183	4.0	2
5660	5680	5640	5620	5350	5650	1	277	3.0	1
5680	5700	5660	5640	5350	5670	1	169	4.0	2
5700	5720	5680	5660	5350	5690	1	231	3.0	1
5720	5740	5700	5680	5350	5710	1	158	3.0	2
5740	5760	5720	5700	5350	5730	1	196	2.5	1
5760	5780	5740	5720	5350	5750	1	187	3.5	2
5780	5800	5760	5740	5350	5770	1	320	3.0	1
5800	5820	5780	5760	5350	5790	1	547	4.0	1
5820	5840	5800	5780	5350	5810	1	539	4.0	1
5840	5860	5820	5800	5350	5830	1	355	4.0	1
5860	5880	5840	5820	5350	5850	1	307	4.0	1
5880	5900	5860	5840	5350	5870	1	415	5.0	1
5900	5920	5880	5860	5350	5890	1	169	3.5	2
5920	5940	5900	5880	5350	5910	1	282	4.0	1
5940	5960	5920	5900	5350	5930	1	339	4.5	1
5960	5980	5940	5920	5350	5950	1	391	5.5	1
5980	6000	5960	5940	5350	5970	1	372	5.0	1
5080	5100	5060	5040	5400	5070	1	62	12.5	20
5100	5120	5080	5060	5400	5090	1	247	18.0	7
5120	5140	5100	5080	5400	5110	1	174	10.5	6
5140	5160	5120	5100	5400	5130	1	487	8.0	2
5160	5180	5140	5120	5400	5150	1	339	12.0	4
5180	5200	5160	5140	5400	5170	1	181	12.0	7
5200	5220	5180	5160	5400	5190	1	33	8.0	24
5220	5240	5200	5180	5400	5210	1	69	3.5	5
5240	5260	5220	5200	5400	5230	1	88	3.0	3

TFR NORTH GRID
 SPACING N=1
 INDUCED POLARIZATION
 RESISTIVITY

5260	5280	5240	5220	5400	5250	1	75	2.0	3
5280	5300	5260	5240	5400	5270	1	83	1.5	2
5300	5320	5280	5260	5400	5290	1	81	1.5	2
5320	5340	5300	5280	5400	5310	1	54	2.0	4
5340	5360	5320	5300	5400	5330	1	61	2.0	3
5360	5380	5340	5320	5400	5350	1	35	3.0	9
5380	5400	5360	5340	5400	5370	1	115	4.0	3
5400	5420	5380	5360	5400	5390	1	171	5.5	3
5420	5440	5400	5380	5400	5410	1	145	8.0	6
5440	5460	5420	5400	5400	5430	1	124	7.5	6
5460	5480	5440	5420	5400	5450	1	198	6.0	3
5480	5500	5460	5440	5400	5470	1	228	5.5	2
5500	5520	5480	5460	5400	5490	1	154	10.5	7
5520	5540	5500	5480	5400	5510	1	136	16.0	12
5540	5560	5520	5500	5400	5530	1	146	15.0	10
5560	5580	5540	5520	5400	5550	1	78	3.0	4
5580	5600	5560	5540	5400	5570	1	113	0.0	0
5600	5620	5580	5560	5400	5590	1	23	1.5	7
5620	5640	5600	5580	5400	5610	1	216	2.5	1
5640	5660	5620	5600	5400	5630	1	127	3.0	2
5660	5680	5640	5620	5400	5650	1	539	3.0	1
5680	5700	5660	5640	5400	5670	1	171	2.5	1
5700	5720	5680	5660	5400	5690	1	300	2.0	1
5720	5740	5700	5680	5400	5710	1	189	2.0	1
5740	5760	5720	5700	5400	5730	1	172	2.0	1
5760	5780	5740	5720	5400	5750	1	471	3.5	1
5780	5800	5760	5740	5400	5770	1	507	3.5	1
5800	5820	5780	5760	5400	5790	1	490	4.0	1
5820	5840	5800	5780	5400	5810	1	321	3.5	1
5840	5860	5820	5800	5400	5830	1	306	3.5	1
5860	5880	5840	5820	5400	5850	1	571	5.0	1
5880	5900	5860	5840	5400	5870	1	361	4.0	1
5900	5920	5880	5860	5400	5890	1	679	4.0	1
5920	5940	5900	5880	5400	5910	1	1010	4.0	0
5940	5960	5920	5900	5400	5930	1	388	5.0	1
5960	5980	5940	5920	5400	5950	1	250	5.0	2
5980	6000	5960	5940	5400	5970	1	729	6.0	1
5080	5100	5060	5040	5450	5070	1	164	8.0	5
5100	5120	5080	5060	5450	5090	1	296	9.0	3
5120	5140	5100	5080	5450	5110	1	383	14.0	4
5140	5160	5120	5100	5450	5130	1	210	15.5	7
5160	5180	5140	5120	5450	5150	1	118	10.0	9
5180	5200	5160	5140	5450	5170	1	56	4.5	8
5200	5220	5180	5160	5450	5190	1	66	2.0	3
5220	5240	5200	5180	5450	5210	1	118	2.5	2
5240	5260	5220	5200	5450	5230	1	136	2.5	2
5260	5280	5240	5220	5450	5250	1	184	4.0	2
5280	5300	5260	5240	5450	5270	1	98	2.5	3
5300	5320	5280	5260	5450	5290	1	77	2.0	3
5320	5340	5300	5280	5450	5310	1	68	4.0	6
5340	5360	5320	5300	5450	5330	1	57	5.5	10
5360	5380	5340	5320	5450	5350	1	123	9.0	7
5380	5400	5360	5340	5450	5370	1	96	8.0	8
5400	5420	5380	5360	5450	5390	1	145	5.5	4
5420	5440	5400	5380	5450	5410	1	142	5.5	4

5440	5460	5420	5400	5450	5430	1	215	5.5	3
5460	5480	5440	5420	5450	5450	1	160	4.0	2
5480	5500	5460	5440	5450	5470	1	187	12.0	6
5500	5520	5480	5460	5450	5490	1	49	18.0	37
5520	5540	5500	5480	5450	5510	1	141	26.0	18
5540	5560	5520	5500	5450	5530	1	233	18.0	8
5560	5580	5540	5520	5450	5550	1	107	7.5	7
5580	5600	5560	5540	5450	5570	1	73	4.0	6
5600	5620	5580	5560	5450	5590	1	136	2.0	1
5620	5640	5600	5580	5450	5610	1	68	4.0	6
5640	5660	5620	5600	5450	5630	1	1855	5.0	0
5660	5680	5640	5620	5450	5650	1	293	5.0	2
5680	5700	5660	5640	5450	5670	1	741	4.0	1
5700	5720	5680	5660	5450	5690	1	215	2.5	1
5720	5740	5700	5680	5450	5710	1	297	2.0	1
5740	5760	5720	5700	5450	5730	1	191	2.0	1
5760	5780	5740	5720	5450	5750	1	249	2.5	1
5780	5800	5760	5740	5450	5770	1	345	2.5	1
5800	5820	5780	5760	5450	5790	1	402	4.0	1
5820	5840	5800	5780	5450	5810	1	1293	4.5	0
5840	5860	5820	5800	5450	5830	1	512	6.0	1
5860	5880	5840	5820	5450	5850	1	1155	6.0	1
5880	5900	5860	5840	5450	5870	1	286	4.5	2
5900	5920	5880	5860	5450	5890	1	290	6.0	2
5920	5940	5900	5880	5450	5910	1	485	6.0	1
5940	5960	5920	5900	5450	5930	1	707	6.0	1
5960	5980	5940	5920	5450	5950	1	459	7.0	2
5980	6000	5960	5940	5450	5970	1	812	7.0	1
5080	5100	5060	5040	5500	5070	1	209	5.5	3
5100	5120	5080	5060	5500	5090	1	160	7.5	5
5120	5140	5100	5080	5500	5110	1	402	8.0	2
5140	5160	5120	5100	5500	5130	1	194	7.5	4
5160	5180	5140	5120	5500	5150	1	69	4.0	6
5180	5200	5160	5140	5500	5170	1	40	2.0	5
5200	5220	5180	5160	5500	5190	1	106	2.0	2
5220	5240	5200	5180	5500	5210	1	179	3.5	2
5240	5260	5220	5200	5500	5230	1	242	6.5	3
5260	5280	5240	5220	5500	5250	1	377	6.0	2
5280	5300	5260	5240	5500	5270	1	162	4.5	3
5300	5320	5280	5260	5500	5290	1	77	4.0	5
5320	5340	5300	5280	5500	5310	1	37	7.5	20
5340	5360	5320	5300	5500	5330	1	153	13.0	9
5360	5380	5340	5320	5500	5350	1	54	11.0	20
5380	5400	5360	5340	5500	5370	1	75	9.0	12
5400	5420	5380	5360	5500	5390	1	99	5.5	6
5420	5440	5400	5380	5500	5410	1	184	6.0	3
5440	5460	5420	5400	5500	5430	1	99	10.0	10
5460	5480	5440	5420	5500	5450	1	377	15.0	4
5480	5500	5460	5440	5500	5470	1	143	18.0	13
5500	5520	5480	5460	5500	5490	1	96	15.0	16
5520	5540	5500	5480	5500	5510	1	186	12.5	7
5540	5560	5520	5500	5500	5530	1	165	8.5	5
5560	5580	5540	5520	5500	5550	1	102	6.5	6
5580	5600	5560	5540	5500	5570	1	172	3.5	2
5600	5620	5580	5560	5500	5590	1	76	2.5	3

5620	5640	5600	5580	5500	5610	1	97	2.5	3
5640	5660	5620	5600	5500	5630	1	485	5.0	1
5660	5680	5640	5620	5500	5650	1	463	4.0	1
5680	5700	5660	5640	5500	5670	1	334	4.0	1
5700	5720	5680	5660	5500	5690	1	361	2.5	1
5720	5740	5700	5680	5500	5710	1	171	3.0	2
5740	5760	5720	5700	5500	5730	1	179	2.0	1
5760	5780	5740	5720	5500	5750	1	211	2.5	1
5780	5800	5760	5740	5500	5770	1	196	2.5	1
5800	5820	5780	5760	5500	5790	1	515	2.5	0
5820	5840	5800	5780	5500	5810	1	632	4.5	1
5840	5860	5820	5800	5500	5830	1	465	4.0	1
5860	5880	5840	5820	5500	5850	1	377	4.0	1
5880	5900	5860	5840	5500	5870	1	377	4.0	1
5900	5920	5880	5860	5500	5890	1	191	4.0	2
5920	5940	5900	5880	5500	5910	1	260	5.0	2
5940	5960	5920	5900	5500	5930	1	226	4.5	2
5960	5980	5940	5920	5500	5950	1	199	3.0	2
5980	6000	5960	5940	5500	5970	1	273	4.0	1
5080	5100	5060	5040	5550	5070	1	157	2.0	1
5100	5120	5080	5060	5550	5090	1	60	2.0	3
5120	5140	5100	5080	5550	5110	1	51	2.0	4
5140	5160	5120	5100	5550	5130	1	53	2.0	4
5160	5180	5140	5120	5550	5150	1	34	2.0	6
5180	5200	5160	5140	5550	5170	1	75	4.0	5
5200	5220	5180	5160	5550	5190	1	78	6.0	8
5220	5240	5200	5180	5550	5210	1	534	7.5	1
5240	5260	5220	5200	5550	5230	1	171	7.0	4
5260	5280	5240	5220	5550	5250	1	216	4.5	2
5280	5300	5260	5240	5550	5270	1	80	5.5	7
5300	5320	5280	5260	5550	5290	1	45	9.0	20
5320	5340	5300	5280	5550	5310	1	64	14.0	22
5340	5360	5320	5300	5550	5330	1	78	12.0	15
5360	5380	5340	5320	5550	5350	1	118	7.5	6
5380	5400	5360	5340	5550	5370	1	164	10.0	6
5400	5420	5380	5360	5550	5390	1	109	41.5	38
5420	5440	5400	5380	5550	5410	1	68	38.0	56
5440	5460	5420	5400	5550	5430	1	187	42.0	23
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5480	5500	5460	5440	5550	5470	1	52	12.5	24
5500	5520	5480	5460	5550	5490	1	62	0.0	0
5520	5540	5500	5480	5550	5510	1	79	1.5	2
5540	5560	5520	5500	5550	5530	1	95	6.5	7
5560	5580	5540	5520	5550	5550	1	141	10.0	7
5580	5600	5560	5540	5550	5570	1	126	8.0	6
5600	5620	5580	5560	5550	5590	1	87	6.0	7
5620	5640	5600	5580	5550	5610	1	213	9.0	4
5640	5660	5620	5600	5550	5630	1	406	4.0	1
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5680	5700	5660	5640	5550	5670	1	485	4.0	1
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5740	5760	5720	5700	5550	5730	1	262	4.0	2
5760	5780	5740	5720	5550	5750	1	393	4.0	1
5780	5800	5760	5740	5550	5770	1	478	3.5	1

5800	5820	5780	5760	5550	5790	1	372	4.0	1
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5840	5860	5820	5800	5550	5830	1	261	4.5	2
5860	5880	5840	5820	5550	5850	1	251	3.5	1
5880	5900	5860	5840	5550	5870	1	168	4.0	2
5900	5920	5880	5860	5550	5890	1	440	3.0	1
5920	5940	5900	5880	5550	5910	1	41	4.0	10
5940	5960	5920	5900	5550	5930	1	280	4.0	1
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5080	5100	5060	5040	5600	5070	1	37	1.0	3
5100	5120	5080	5060	5600	5090	1	38	0.7	2
5120	5140	5100	5080	5600	5110	1	73	3.5	5
5140	5160	5120	5100	5600	5130	1	200	8.0	4
5160	5180	5140	5120	5600	5150	1	162	12.0	7
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5320	5340	5300	5280	5600	5310	1	148	10.0	7
5340	5360	5320	5300	5600	5330	1	111	5.5	5
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5380	5400	5360	5340	5600	5370	1	88	19.5	22
5400	5420	5380	5360	5600	5390	1	22	29.0	131
5420	5440	5400	5380	5600	5410	1	105	34.5	33
5440	5460	5420	5400	5600	5430	1	77	11.0	14
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5500	5520	5480	5460	5600	5490	1	88	7.5	9
5520	5540	5500	5480	5600	5510	1	66	7.0	11
5540	5560	5520	5500	5600	5530	1	101	8.0	8
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5600	5620	5580	5560	5600	5590	1	145	4.0	3
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5660	5680	5640	5620	5600	5650	1	465	3.0	1
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5720	5740	5700	5680	5600	5710	1	484	3.5	1
5740	5760	5720	5700	5600	5730	1	188	4.0	2
5760	5780	5740	5720	5600	5750	1	202	3.0	1
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5880	5900	5860	5840	5600	5870	1	136	4.0	3
5900	5920	5880	5860	5600	5890	1	467	3.0	1
5920	5940	5900	5880	5600	5910	1	250	4.0	2
5940	5960	5920	5900	5600	5930	1	224	4.0	2

5960	5980	5940	5920	5600	5950	1	249	4.0	2
5980	6000	5960	5940	5600	5970	1	183	3.5	2
5100	5120	5080	5060	5650	5090	1	65	4.5	7
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5160	5180	5140	5120	5650	5150	1	123	8.0	7
5180	5200	5160	5140	5650	5170	1	123	7.0	6
5200	5220	5180	5160	5650	5190	1	124	7.0	6
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5380	5400	5360	5340	5650	5370	1	133	12.5	9
5400	5420	5380	5360	5650	5390	1	108	22.0	20
5420	5440	5400	5380	5650	5410	1	93	26.0	28
5440	5460	5420	5400	5650	5430	1	126	23.0	18
5460	5480	5440	5420	5650	5450	1	148	30.5	21
5480	5500	5460	5440	5650	5470	1	165	18.0	11
5500	5520	5480	5460	5650	5490	1	109	17.0	16
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5560	5580	5540	5520	5650	5550	1	74	14.5	20
5580	5600	5560	5540	5650	5570	1	54	11.5	21
5600	5620	5580	5560	5650	5590	1	158	10.5	7
5620	5640	5600	5580	5650	5610	1	117	14.0	12
5640	5660	5620	5600	5650	5630	1	205	7.5	4
5660	5680	5640	5620	5650	5650	1	274	4.0	1
5680	5700	5660	5640	5650	5670	1	137	3.5	3
5700	5720	5680	5660	5650	5690	1	138	4.0	3
5720	5740	5700	5680	5650	5710	1	126	4.0	3
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5800	5820	5780	5760	5650	5790	1	109	3.0	3
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5880	5900	5860	5840	5650	5870	1	120	4.0	3
5900	5920	5880	5860	5650	5890	1	196	5.0	3
5920	5940	5900	5880	5650	5910	1	162	4.5	3
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5980	6000	5960	5940	5650	5970	1	88	3.5	4
5080	5100	5060	5040	5700	5070	1	40	7.0	17
5100	5120	5080	5060	5700	5090	1	38	10.0	27
5120	5140	5100	5080	5700	5110	1	66	14.5	22
5140	5160	5120	5100	5700	5130	1	107	20.0	19
5160	5180	5140	5120	5700	5150	1	168	20.0	12
5180	5200	5160	5140	5700	5170	1	85	14.5	17
5200	5220	5180	5160	5700	5190	1	139	16.0	11
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5280	5300	5260	5240	5700	5270	1	63	13.5	21
5300	5320	5280	5260	5700	5290	1	163	8.5	5
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5340	5360	5320	5300	5700	5330	1	201	6.0	3
5360	5380	5340	5320	5700	5350	1	134	16.0	12
5380	5400	5360	5340	5700	5370	1	100	19.0	19
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5420	5440	5400	5380	5700	5410	1	43	7.0	16
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5500	5520	5480	5460	5700	5490	1	72	27.0	38
5520	5540	5500	5480	5700	5510	1	164	31.0	19
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5580	5600	5560	5540	5700	5570	1	90	13.5	15
5600	5620	5580	5560	5700	5590	1	111	18.0	16
5620	5640	5600	5580	5700	5610	1	119	22.5	19
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5680	5700	5660	5640	5700	5670	1	134	8.0	6
5700	5720	5680	5660	5700	5690	1	118	2.5	2
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5740	5760	5720	5700	5700	5730	1	123	3.5	3
5760	5780	5740	5720	5700	5750	1	172	6.0	3
5780	5800	5760	5740	5700	5770	1	108	7.0	6
5800	5820	5780	5760	5700	5790	1	118	4.0	3
5820	5840	5800	5780	5700	5810	1	63	2.0	3
5840	5860	5820	5800	5700	5830	1	64	0.5	1
5860	5880	5840	5820	5700	5850	1	29	0.5	2
5880	5900	5860	5840	5700	5870	1	63	1.0	2
5900	5920	5880	5860	5700	5890	1	54	3.0	6
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5180	5200	5160	5140	5750	5170	1	86	12.0	14
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5280	5300	5260	5240	5750	5270	1	69	2.5	4
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5320	5340	5300	5280	5750	5310	1	238	2.0	1
5340	5360	5320	5300	5750	5330	1	132	16.0	12
5360	5380	5340	5320	5750	5350	1	108	16.5	15
5380	5400	5360	5340	5750	5370	1	153	14.0	9
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5420	5440	5400	5380	5750	5410	1	19	-2.0	-10
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5540	5560	5520	5500	5750	5530	1	124	14.0	11
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5600	5620	5580	5560	5750	5590	1	70	9.5	14
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5680	5700	5660	5640	5750	5670	1	204	8.0	4
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5780	5800	5760	5740	5750	5770	1	143	8.0	6
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5820	5840	5800	5780	5750	5810	1	124	3.5	3
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5880	5900	5860	5840	5750	5870	1	118	1.0	1
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5920	5940	5900	5880	5750	5910	1	99	2.0	2
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5960	5980	5940	5920	5750	5950	1	166	1.5	1
5980	6000	5960	5940	5750	5970	1	63	1.0	2
5080	5100	5060	5040	5800	5070	1	45	6.0	13
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5120	5140	5100	5080	5800	5110	1	83	6.0	7
5140	5160	5120	5100	5800	5130	1	154	5.0	3
5160	5180	5140	5120	5800	5150	1	188	16.0	9
5180	5200	5160	5140	5800	5170	1	136	32.5	24
5200	5220	5180	5160	5800	5190	1	76	24.5	32
5220	5240	5200	5180	5800	5210	1	49	5.0	10
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5360	5380	5340	5320	5800	5350	1	82	16.5	20
5380	5400	5360	5340	5800	5370	1	58	16.5	28
5400	5420	5380	5360	5800	5390	1	28	10.5	37
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5440	5460	5420	5400	5800	5430	1	40	7.5	19
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5500	5520	5480	5460	5800	5490	1	59	2.0	3
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5540	5560	5520	5500	5800	5530	1	32	0.0	0
5560	5580	5540	5520	5800	5550	1	54	0.0	0
5580	5600	5560	5540	5800	5570	1	42	4.0	9

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5620	5640	5600	5580	5800	5610	1	83	12.0	14
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5660	5680	5640	5620	5800	5650	1	149	12.0	8
5680	5700	5660	5640	5800	5670	1	110	9.5	9
5700	5720	5680	5660	5800	5690	1	89	4.5	5
5720	5740	5700	5680	5800	5710	1	85	3.0	4
5740	5760	5720	5700	5800	5730	1	62	2.0	3
5760	5780	5740	5720	5800	5750	1	210	6.0	3
5780	5800	5760	5740	5800	5770	1	130	8.0	6
5800	5820	5780	5760	5800	5790	1	377	6.0	2
5820	5840	5800	5780	5800	5810	1	129	3.0	2
5840	5860	5820	5800	5800	5830	1	413	5.0	1
5860	5880	5840	5820	5800	5850	1	318	6.0	2
5880	5900	5860	5840	5800	5870	1	316	7.5	2
5900	5920	5880	5860	5800	5890	1	223	3.0	1
5920	5940	5900	5880	5800	5910	1	185	4.0	2
5940	5960	5920	5900	5800	5930	1	141	4.5	3
5960	5980	5940	5920	5800	5950	1	163	3.0	2
5980	6000	5960	5940	5800	5970	1	107	2.0	2

P1	P2	P3	P4	LN	STATION	N.	R	I.P.	M.F.
5080	5100	5020	5000	5350	5050	3	427	14.0	3
5100	5120	5040	5020	5350	5070	3	160	14.0	9
5120	5140	5060	5040	5350	5090	3	263	14.0	5
5140	5160	5080	5060	5350	5110	3	264	15.0	6
5160	5180	5100	5080	5350	5130	3	446	14.0	3
5180	5200	5120	5100	5350	5150	3	357	12.0	3
5200	5220	5140	5120	5350	5170	3	138	7.5	5
5220	5240	5160	5140	5350	5190	3	107	6.5	6
5240	5260	5180	5160	5350	5210	3	85	9.0	11
5260	5280	5200	5180	5350	5230	3	110	7.5	7
5280	5300	5220	5200	5350	5250	3	166	6.0	4
5300	5320	5240	5220	5350	5270	3	126	4.0	3
5320	5340	5260	5240	5350	5290	3	126	5.0	4
5340	5360	5280	5260	5350	5310	3	102	4.0	4
5360	5380	5300	5280	5350	5330	3	121	3.5	3
5380	5400	5320	5300	5350	5350	3	59	2.5	4
5400	5420	5340	5320	5350	5370	3	87	6.0	7
5420	5440	5360	5340	5350	5390	3	69	9.0	13
5440	5460	5380	5360	5350	5410	3	97	5.5	6
5460	5480	5400	5380	5350	5430	3	85	7.0	8
5480	5500	5420	5400	5350	5450	3	179	10.0	6
5500	5520	5440	5420	5350	5470	3	174	8.5	5
5520	5540	5460	5440	5350	5490	3	174	9.5	5
5540	5560	5480	5460	5350	5510	3	205	15.5	8
5560	5580	5500	5480	5350	5530	3	56	12.0	21
5580	5600	5520	5500	5350	5550	3	38	12.0	31
5600	5620	5540	5520	5350	5570	3	142	12.5	9
5620	5640	5560	5540	5350	5590	3	174	8.0	5
5640	5660	5580	5560	5350	5610	3	68	4.0	6
5660	5680	5600	5580	5350	5630	3	94	4.0	4
5680	5700	5620	5600	5350	5650	3	138	3.0	2
5700	5720	5640	5620	5350	5670	3	205	2.0	1
5720	5740	5660	5640	5350	5690	3	157	4.0	3
5740	5760	5680	5660	5350	5710	3	226	4.0	2
5760	5780	5700	5680	5350	5730	3	200	3.0	1
5780	5800	5720	5700	5350	5750	3	185	3.0	2
5800	5820	5740	5720	5350	5770	3	185	4.0	2
5820	5840	5760	5740	5350	5790	3	237	4.0	2
5840	5860	5780	5760	5350	5810	3	294	3.5	1
5860	5880	5800	5780	5350	5830	3	268	4.0	1
5880	5900	5820	5800	5350	5850	3	222	4.5	2
5900	5920	5840	5820	5350	5870	3	153	2.5	2
5920	5940	5860	5840	5350	5890	3	287	4.0	1
5940	5960	5880	5860	5350	5910	3	275	6.0	2
5960	5980	5900	5880	5350	5930	3	213	4.5	2
5980	6000	5920	5900	5350	5950	3	202	3.5	2
5080	5100	5020	5000	5400	5050	3	292	20.5	7
5100	5120	5040	5020	5400	5070	3	200	16.0	8
5120	5140	5060	5040	5400	5090	3	85	8.5	10
5140	5160	5080	5060	5400	5110	3	333	19.5	6
5160	5180	5100	5080	5400	5130	3	236	22.5	10
5180	5200	5120	5100	5400	5150	3	162	8.5	5
5200	5220	5140	5120	5400	5170	3	93	5.5	6
5220	5240	5160	5140	5400	5190	3	124	10.5	8
5240	5260	5180	5160	5400	5210	3	117	10.5	9

TFR NORTH GRID
 SPACING N=3
 INDUCED POLARIZATION
 RESISTIVITY.

5260	5280	5200	5180	5400	5230	3	112	4.5	4
5280	5300	5220	5200	5400	5250	3	133	4.0	3
5300	5320	5240	5220	5400	5270	3	185	4.0	2
5320	5340	5260	5240	5400	5290	3	136	2.0	1
5340	5360	5280	5260	5400	5310	3	106	2.5	2
5360	5380	5300	5280	5400	5330	3	56	2.5	4
5380	5400	5320	5300	5400	5350	3	92	6.0	7
5400	5420	5340	5320	5400	5370	3	96	7.5	8
5420	5440	5360	5340	5400	5390	3	92	8.0	9
5440	5460	5380	5360	5400	5410	3	72	7.0	10
5460	5480	5400	5380	5400	5430	3	179	6.5	4
5480	5500	5420	5400	5400	5450	3	377	8.0	2
5500	5520	5440	5420	5400	5470	3	202	12.5	6
5520	5540	5460	5440	5400	5490	3	96	16.0	17
5540	5560	5480	5460	5400	5510	3	71	13.0	18
5560	5580	5500	5480	5400	5530	3	87	13.5	16
5580	5600	5520	5500	5400	5550	3	275	20.5	7
5600	5620	5540	5520	5400	5570	3	131	8.0	6
5620	5640	5560	5540	5400	5590	3	123	2.0	2
5640	5660	5580	5560	5400	5610	3	55	1.0	2
5660	5680	5600	5580	5400	5630	3	278	3.0	1
5680	5700	5620	5600	5400	5650	3	113	2.0	2
5700	5720	5640	5620	5400	5670	3	185	3.5	2
5720	5740	5660	5640	5400	5690	3	123	3.0	2
5740	5760	5680	5660	5400	5710	3	344	3.5	1
5760	5780	5700	5680	5400	5730	3	232	4.0	2
5780	5800	5720	5700	5400	5750	3	206	2.0	1
5800	5820	5740	5720	5400	5770	3	273	2.0	1
5820	5840	5760	5740	5400	5790	3	223	3.0	1
5840	5860	5780	5760	5400	5810	3	216	7.0	3
5860	5880	5800	5780	5400	5830	3	361	2.0	1
5880	5900	5820	5800	5400	5850	3	136	5.0	4
5900	5920	5840	5820	5400	5870	3	255	4.0	2
5920	5940	5860	5840	5400	5890	3	503	4.0	1
5940	5960	5880	5860	5400	5910	3	236	5.5	2
5960	5980	5900	5880	5400	5930	3	193	4.5	2
5980	6000	5920	5900	5400	5950	3	250	4.5	2
5080	5100	5020	5000	5450	5050	3	198	14.0	7
5100	5120	5040	5020	5450	5070	3	128	10.0	8
5120	5140	5060	5040	5450	5090	3	360	10.0	3
5140	5160	5080	5060	5450	5110	3	447	16.0	4
5160	5180	5100	5080	5450	5130	3	84	8.0	10
5180	5200	5120	5100	5450	5150	3	75	8.5	11
5200	5220	5140	5120	5450	5170	3	157	9.0	6
5220	5240	5160	5140	5450	5190	3	141	11.0	8
5240	5260	5180	5160	5450	5210	3	132	4.0	3
5260	5280	5200	5180	5450	5230	3	173	6.5	4
5280	5300	5220	5200	5450	5250	3	145	4.0	3
5300	5320	5240	5220	5450	5270	3	163	6.0	4
5320	5340	5260	5240	5450	5290	3	106	7.5	7
5340	5360	5280	5260	5450	5310	3	81	7.5	9
5360	5380	5300	5280	5450	5330	3	113	7.5	7
5380	5400	5320	5300	5450	5350	3	56	7.5	13
5400	5420	5340	5320	5450	5370	3	100	11.5	12
5420	5440	5360	5340	5450	5390	3	210	12.0	6

5440	5460	5380	5360	5450	5410	3	164	6.5	4
5460	5480	5400	5380	5450	5430	3	68	7.5	11
5480	5500	5420	5400	5450	5450	3	458	18.5	4
5500	5520	5440	5420	5450	5470	3	226	26.0	11
5520	5540	5460	5440	5450	5490	3	56	16.0	29
5540	5560	5480	5460	5450	5510	3	90	13.0	14
5560	5580	5500	5480	5450	5530	3	175	24.0	14
5580	5600	5520	5500	5450	5550	3	107	21.0	20
5600	5620	5540	5520	5450	5570	3	207	12.0	6
5620	5640	5560	5540	5450	5590	3	74	9.5	13
5640	5660	5580	5560	5450	5610	3	260	2.0	1
5660	5680	5600	5580	5450	5630	3	251	1.0	0
5680	5700	5620	5600	5450	5650	3	993	4.0	0
5700	5720	5640	5620	5450	5670	3	79	8.0	10
5720	5740	5660	5640	5450	5690	3	82	5.5	7
5740	5760	5680	5660	5450	5710	3	226	2.5	1
5760	5780	5700	5680	5450	5730	3	301	3.0	1
5780	5800	5720	5700	5450	5750	3	249	2.0	1
5800	5820	5740	5720	5450	5770	3	219	3.0	1
5820	5840	5760	5740	5450	5790	3	269	2.0	1
5840	5860	5780	5760	5450	5810	3	205	3.0	1
5860	5880	5800	5780	5450	5830	3	461	4.0	1
5880	5900	5820	5800	5450	5850	3	278	4.0	1
5900	5920	5840	5820	5450	5870	3	319	4.0	1
5920	5940	5860	5840	5450	5890	3	194	3.5	2
5940	5960	5880	5860	5450	5910	3	259	4.5	2
5960	5980	5900	5880	5450	5930	3	249	6.0	2
5980	6000	5920	5900	5450	5950	3	377	6.0	2
5080	5100	5020	5000	5500	5050	3	244	10.0	4
5100	5120	5040	5020	5500	5070	3	277	9.5	3
5120	5140	5060	5040	5500	5090	3	228	7.0	3
5140	5160	5080	5060	5500	5110	3	108	6.0	6
5160	5180	5100	5080	5500	5130	3	144	7.5	5
5180	5200	5120	5100	5500	5150	3	101	4.5	4
5200	5220	5140	5120	5500	5170	3	170	5.0	3
5220	5240	5160	5140	5500	5190	3	155	5.0	3
5240	5260	5180	5160	5500	5210	3	157	6.5	4
5260	5280	5200	5180	5500	5230	3	141	4.0	3
5280	5300	5220	5200	5500	5250	3	108	2.0	2
5300	5320	5240	5220	5500	5270	3	155	4.0	3
5320	5340	5260	5240	5500	5290	3	116	10.0	9
5340	5360	5280	5260	5500	5310	3	138	10.0	7
5360	5380	5300	5280	5500	5330	3	49	5.5	11
5380	5400	5320	5300	5500	5350	3	62	12.5	20
5400	5420	5340	5320	5500	5370	3	76	11.0	14
5420	5440	5360	5340	5500	5390	3	323	15.0	5
5440	5460	5380	5360	5500	5410	3	217	23.0	11
5460	5480	5400	5380	5500	5430	3	247	25.0	10
5480	5500	5420	5400	5500	5450	3	153	22.5	15
5500	5520	5440	5420	5500	5470	3	151	23.5	16
5520	5540	5460	5440	5500	5490	3	87	25.0	29
5540	5560	5480	5460	5500	5510	3	134	22.0	16
5560	5580	5500	5480	5500	5530	3	157	16.0	10
5580	5600	5520	5500	5500	5550	3	226	12.5	6
5600	5620	5540	5520	5500	5570	3	207	15.0	7

5620	5640	5560	5540	5500	5590	3	183	8.5	5
5640	5660	5580	5560	5500	5610	3	106	4.0	4
5660	5680	5600	5580	5500	5630	3	145	2.5	2
5680	5700	5620	5600	5500	5650	3	361	3.5	1
5700	5720	5640	5620	5500	5670	3	291	3.5	1
5720	5740	5660	5640	5500	5690	3	231	4.0	2
5740	5760	5680	5660	5500	5710	3	241	4.0	2
5760	5780	5700	5680	5500	5730	3	322	4.5	1
5780	5800	5720	5700	5500	5750	3	277	3.5	1
5800	5820	5740	5720	5500	5770	3	251	2.0	1
5820	5840	5760	5740	5500	5790	3	296	2.0	1
5840	5860	5780	5760	5500	5810	3	446	3.0	1
5860	5880	5800	5780	5500	5830	3	307	2.5	1
5880	5900	5820	5800	5500	5850	3	313	3.5	1
5900	5920	5840	5820	5500	5870	3	219	4.0	2
5920	5940	5860	5840	5500	5890	3	143	3.0	2
5940	5960	5880	5860	5500	5910	3	179	3.5	2
5960	5980	5900	5880	5500	5930	3	269	3.5	1
5980	6000	5920	5900	5500	5950	3	290	4.0	1
5080	5100	5020	5000	5550	5050	3	132	5.0	4
5100	5120	5040	5020	5550	5070	3	273	8.0	3
5120	5140	5060	5040	5550	5090	3	205	7.5	4
5140	5160	5080	5060	5550	5110	3	52	20.0	38
5160	5180	5100	5080	5550	5130	3	61	3.0	5
5180	5200	5120	5100	5550	5150	3	205	6.5	3
5200	5220	5140	5120	5550	5170	3	94	10.0	11
5220	5240	5160	5140	5550	5190	3	92	6.0	6
5240	5260	5180	5160	5550	5210	3	70	10.0	14
5260	5280	5200	5180	5550	5230	3	385	9.0	2
5280	5300	5220	5200	5550	5250	3	152	7.5	5
5300	5320	5240	5220	5550	5270	3	96	11.5	12
5320	5340	5260	5240	5550	5290	3	53	10.0	19
5340	5360	5280	5260	5550	5310	3	63	12.0	19
5360	5380	5300	5280	5550	5330	3	81	17.5	22
5380	5400	5320	5300	5550	5350	3	107	20.5	19
5400	5420	5340	5320	5550	5370	3	115	37.5	33
5420	5440	5360	5340	5550	5390	3	121	31.0	26
5440	5460	5380	5360	5550	5410	3	262	20.0	8
5460	5480	5400	5380	5550	5430	3	79	25.5	32
5480	5500	5420	5400	5550	5450	3	19	35.0	181
5500	5520	5440	5420	5550	5470	3	132	28.5	22
5520	5540	5460	5440	5550	5490	3	406	22.0	5
5540	5560	5480	5460	5550	5510	3	151	10.0	7
5560	5580	5500	5480	5550	5530	3	83	14.0	17
5580	5600	5520	5500	5550	5550	3	155	15.0	10
5600	5620	5540	5520	5550	5570	3	157	16.5	11
5620	5640	5560	5540	5550	5590	3	143	15.0	10
5640	5660	5580	5560	5550	5610	3	134	11.0	8
5660	5680	5600	5580	5550	5630	3	194	6.0	3
5680	5700	5620	5600	5550	5650	3	415	5.0	1
5700	5720	5640	5620	5550	5670	3	396	3.0	1
5720	5740	5660	5640	5550	5690	3	353	4.0	1
5740	5760	5680	5660	5550	5710	3	226	4.0	2
5760	5780	5700	5680	5550	5730	3	242	4.0	2
5780	5800	5720	5700	5550	5750	3	302	4.0	1

5800	5820	5740	5720	5550	5770	3	456	4.0	1
5820	5840	5760	5740	5550	5790	3	348	4.0	1
5840	5860	5780	5760	5550	5810	3	211	3.5	2
5860	5880	5800	5780	5550	5830	3	207	3.0	1
5880	5900	5820	5800	5550	5850	3	173	3.0	2
5900	5920	5840	5820	5550	5870	3	236	5.0	2
5920	5940	5860	5840	5550	5890	3	232	3.5	2
5940	5960	5880	5860	5550	5910	3	192	4.0	2
5960	5980	5900	5880	5550	5930	3	265	4.5	2
5980	6000	5920	5900	5550	5950	3	194	4.5	2
5060	5080	5000	4980	5600	5030	3	157	3.5	2
5080	5100	5020	5000	5600	5050	3	115	3.0	3
5100	5120	5040	5020	5600	5070	3	52	2.0	4
5120	5140	5060	5040	5600	5090	3	81	6.0	7
5140	5160	5080	5060	5600	5110	3	170	10.5	6
5160	5180	5100	5080	5600	5130	3	90	8.5	9
5180	5200	5120	5100	5600	5150	3	170	8.5	5
5200	5220	5140	5120	5600	5170	3	208	11.0	5
5220	5240	5160	5140	5600	5190	3	277	10.5	4
5240	5260	5180	5160	5600	5210	3	61	7.5	12
5260	5280	5200	5180	5600	5230	3	65	10.0	15
5280	5300	5220	5200	5600	5250	3	82	14.0	17
5300	5320	5240	5220	5600	5270	3	74	13.0	18
5320	5340	5260	5240	5600	5290	3	64	13.5	21
5340	5360	5280	5260	5600	5310	3	48	13.5	28
5360	5380	5300	5280	5600	5330	3	276	16.0	6
5380	5400	5320	5300	5600	5350	3	446	14.0	3
5400	5420	5340	5320	5600	5370	3	109	27.0	25
5420	5440	5360	5340	5600	5390	3	25	24.0	96
5440	5460	5380	5360	5600	5410	3	31	34.0	108
5460	5480	5400	5380	5600	5430	3	158	36.0	23
5480	5500	5420	5400	5600	5450	3	170	27.0	16
5500	5520	5440	5420	5600	5470	3	136	25.5	19
5520	5540	5460	5440	5600	5490	3	108	18.5	17
5540	5560	5480	5460	5600	5510	3	116	17.0	15
5560	5580	5500	5480	5600	5530	3	143	18.0	13
5580	5600	5520	5500	5600	5550	3	158	21.5	14
5600	5620	5540	5520	5600	5570	3	145	19.0	13
5620	5640	5560	5540	5600	5590	3	292	25.5	9
5640	5660	5580	5560	5600	5610	3	194	18.0	9
5660	5680	5600	5580	5600	5630	3	117	14.5	12
5680	5700	5620	5600	5600	5650	3	108	8.0	7
5700	5720	5640	5620	5600	5670	3	366	4.0	1
5720	5740	5660	5640	5600	5690	3	343	2.5	1
5740	5760	5680	5660	5600	5710	3	271	4.5	2
5760	5780	5700	5680	5600	5730	3	164	6.0	4
5780	5800	5720	5700	5600	5750	3	307	5.5	2
5800	5820	5740	5720	5600	5770	3	200	3.5	2
5820	5840	5760	5740	5600	5790	3	162	4.5	3
5840	5860	5780	5760	5600	5810	3	76	4.5	6
5860	5880	5800	5780	5600	5830	3	228	4.5	2
5880	5900	5820	5800	5600	5850	3	84	4.0	5
5900	5920	5840	5820	5600	5870	3	133	4.0	3
5920	5940	5860	5840	5600	5890	3	158	4.5	3
5940	5960	5880	5860	5600	5910	3	283	4.0	1

5960	5980	5900	5880	5600	5930	3	158	4.0	3
5980	6000	5920	5900	5600	5950	3	144	5.5	4
5100	5120	5040	5020	5650	5070	3	69	9.0	13
5120	5140	5060	5040	5650	5090	3	77	10.5	14
5140	5160	5080	5060	5650	5110	3	136	11.0	8
5160	5180	5100	5080	5650	5130	3	191	13.5	7
5180	5200	5120	5100	5650	5150	3	174	14.0	8
5200	5220	5140	5120	5650	5170	3	245	13.5	6
5220	5240	5160	5140	5650	5190	3	178	9.0	5
5240	5260	5180	5160	5650	5210	3	103	10.0	10
5260	5280	5200	5180	5650	5230	3	81	10.5	13
5280	5300	5220	5200	5650	5250	3	118	11.5	10
5300	5320	5240	5220	5650	5270	3	73	12.0	16
5320	5340	5260	5240	5650	5290	3	134	14.0	10
5340	5360	5280	5260	5650	5310	3	79	15.5	20
5360	5380	5300	5280	5650	5330	3	228	15.0	7
5380	5400	5320	5300	5650	5350	3	478	23.0	5
5400	5420	5340	5320	5650	5370	3	215	25.5	12
5420	5440	5360	5340	5650	5390	3	35	20.0	57
5440	5460	5380	5360	5650	5410	3	104	36.0	35
5460	5480	5400	5380	5650	5430	3	178	47.0	26
5480	5500	5420	5400	5650	5450	3	160	33.0	21
5500	5520	5440	5420	5650	5470	3	184	41.0	22
5520	5540	5460	5440	5650	5490	3	160	42.5	27
5540	5560	5480	5460	5650	5510	3	133	39.0	29
5560	5580	5500	5480	5650	5530	3	152	24.0	16
5580	5600	5520	5500	5650	5550	3	76	24.0	32
5600	5620	5540	5520	5650	5570	3	149	37.0	25
5620	5640	5560	5540	5650	5590	3	234	39.5	17
5640	5660	5580	5560	5650	5610	3	202	33.0	16
5660	5680	5600	5580	5650	5630	3	136	18.0	13
5680	5700	5620	5600	5650	5650	3	232	16.5	7
5700	5720	5640	5620	5650	5670	3	215	11.0	5
5720	5740	5660	5640	5650	5690	3	147	7.5	5
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5760	5780	5700	5680	5650	5730	3	98	10.5	11
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5940	5960	5880	5860	5650	5910	3	160	6.0	4
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5120	5140	5060	5040	5700	5090	3	51	21.0	41
5140	5160	5080	5060	5700	5110	3	59	20.5	35
5160	5180	5100	5080	5700	5130	3	69	15.0	22
5180	5200	5120	5100	5700	5150	3	100	16.0	16
5200	5220	5140	5120	5700	5170	3	313	21.5	7
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5240	5260	5180	5160	5700	5210	3	61	16.5	27
5260	5280	5200	5180	5700	5230	3	75	17.5	23
5280	5300	5220	5200	5700	5250	3	86	13.0	15
5300	5320	5240	5220	5700	5270	3	65	14.5	22
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5400	5420	5340	5320	5700	5370	3	74	15.5	21
5420	5440	5360	5340	5700	5390	3	60	18.0	30
5440	5460	5380	5360	5700	5410	3	172	27.0	16
5460	5480	5400	5380	5700	5430	3	154	29.5	19
5480	5500	5420	5400	5700	5450	3	113	43.5	38
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5540	5560	5480	5460	5700	5510	3	139	40.5	29
5560	5580	5500	5480	5700	5530	3	169	19.0	11
5580	5600	5520	5500	5700	5550	3	87	34.0	39
5600	5620	5540	5520	5700	5570	3	178	32.0	18
5620	5640	5560	5540	5700	5590	3	101	27.5	27
5640	5660	5580	5560	5700	5610	3	151	32.5	22
5660	5680	5600	5580	5700	5630	3	231	34.0	15
5680	5700	5620	5600	5700	5650	3	219	31.5	14
5700	5720	5640	5620	5700	5670	3	136	22.0	16
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5120	5140	5060	5040	5750	5090	3	78	14.0	18
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5200	5220	5140	5120	5750	5170	3	216	18.0	8
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5300	5320	5240	5220	5750	5270	3	73	8.0	11
5320	5340	5260	5240	5750	5290	3	242	7.0	3
5340	5360	5280	5260	5750	5310	3	236	14.0	6
5360	5380	5300	5280	5750	5330	3	126	10.5	8
5380	5400	5320	5300	5750	5350	3	35	9.0	26
5400	5420	5340	5320	5750	5370	3	51	14.0	28

5420	5440	5360	5340	5750	5390	3	53	7.0	13
5440	5460	5380	5360	5750	5410	3	167	10.5	6
5460	5480	5400	5380	5750	5430	3	98	38.0	39
5480	5500	5420	5400	5750	5450	3	94	72.0	76
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5560	5580	5500	5480	5750	5530	3	88	37.0	42
5580	5600	5520	5500	5750	5550	3	71	26.0	36
5600	5620	5540	5520	5750	5570	3	158	25.0	16
5620	5640	5560	5540	5750	5590	3	107	18.0	17
5640	5660	5580	5560	5750	5610	3	136	27.0	20
5660	5680	5600	5580	5750	5630	3	236	26.5	11
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5860	5880	5800	5780	5750	5830	3	125	4.0	3
5880	5900	5820	5800	5750	5850	3	264	3.5	1
5900	5920	5840	5820	5750	5870	3	156	2.0	1
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5080	5100	5020	5000	5800	5050	3	41	10.0	24
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5120	5140	5060	5040	5800	5090	3	70	15.5	22
5140	5160	5080	5060	5800	5110	3	168	15.0	9
5160	5180	5100	5080	5800	5130	3	262	28.0	11
5180	5200	5120	5100	5800	5150	3	92	29.5	32
5200	5220	5140	5120	5800	5170	3	54	10.0	18
5220	5240	5160	5140	5800	5190	3	103	17.5	17
5240	5260	5180	5160	5800	5210	3	100	26.0	26
5260	5280	5200	5180	5800	5230	3	86	6.0	7
5280	5300	5220	5200	5800	5250	3	80	2.0	2
5300	5320	5240	5220	5800	5270	3	75	4.5	6
5320	5340	5260	5240	5800	5290	3	103	2.0	2
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5360	5380	5300	5280	5800	5330	3	174	14.5	8
5380	5400	5320	5300	5800	5350	3	78	8.0	10
5400	5420	5340	5320	5800	5370	3	21	-1.0	-5
5420	5440	5360	5340	5800	5390	3	44	10.0	23
5440	5460	5380	5360	5800	5410	3	235	41.0	17
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5540	5560	5480	5460	5800	5510	3	158	25.0	16
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5580	5600	5520	5500	5800	5550	3	88	16.5	19

5600	5620	5540	5520	5800	5570	3	131	17.0	13
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5680	5700	5620	5600	5800	5650	3	310	20.0	6
5700	5720	5640	5620	5800	5670	3	100	17.5	18
5720	5740	5660	5640	5800	5690	3	195	14.0	7
5740	5760	5680	5660	5800	5710	3	330	12.0	4
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5840	5860	5780	5760	5800	5810	3	1190	12.0	1
5860	5880	5800	5780	5800	5830	3	369	10.0	3
5880	5900	5820	5800	5800	5850	3	156	2.5	2
5900	5920	5840	5820	5800	5870	3	228	4.5	2
5920	5940	5860	5840	5800	5890	3	786	10.0	1
5940	5960	5880	5860	5800	5910	3	330	6.5	2
5960	5980	5900	5880	5800	5930	3	138	5.5	4
5980	6000	5920	5900	5800	5950	3	219	6.0	3

APPENDIX VIII

COST STATEMENT

COST STATEMENT - TFR
APRIL 1 - OCTOBER 31, 1987

FEEES

K.V. Campbell	17.75 hours @	\$ 80.00	\$1420.00	
A.W. Gourlay	10 days @	385.00	3850.00	
A.W. Gourlay	59 hours @	64.00	3776.00	
R.V. Longe	5 hours @	80.00	400.00	
G.R. Peatfield	.25 hours @	80.00	20.00	
			<u>9466.00</u>	9466.00

TEMPORARY STAFF

L. Allen	2 days @	185.00	370.00	
D. Gamble	6.5 days @	185.00	1202.50	
R. Gourlay	6 hours @	24.00	144.00	
S. Kenwood	7.5 days @	135.00	1012.50	
D. Kohlman	4 days @	120.00	480.00	
L. Lee	.25 hours @	32.00	8.00	
W. McLean	11 days @	120.00	1320.00	
K. Miller	6 days @	185.00	1110.00	
P. Roberts	7.5 days @	135.00	1012.50	
T. Roberts	7.5 days @	135.00	1012.50	
C. Russell	1 day @	185.00	\$ 185.00	
C. Russell	35.5 hours @	\$ 24.00	852.00	
C. Russell	.25 hours @	32.00	8.00	
I. Skelton	7.5 days @	135.00	1012.50	
G. Vernon	10 days @	135.00	1350.00	
M. Wensley	4 days @	120.00	480.00	
A. Zuk	19 days @	185.00	3515.00	
			<u>15,074.50</u>	15,074.50

CONSULTANTS EXTERNAL 360.00

CASUAL STAFF 342.75

DISBURSEMENTS per attached 74,500.49

\$99,743.74

TFR
APRIL 1 - OCTOBER 31, 1987

DISBURSEMENTS

Air fares	\$ 735.75
Rental vehicles	1,518.93
M.Q. vehicle charges	80.00
Vehicle repair & maintenance	90.00
Fuels & lubricants	195.35
Taxis, fares	195.76
Freight	1,153.06
Bulldozing	1,930.00
Geophysics	17,386.58
Drilling	20,102.00
M.Q. field equip. charges	948.00
Equipment rental	1,351.89
Groceries	180.26
Food & accommodation	2,928.58
General supplies	1,687.47
Analyses	14,537.10
Telephone	136.76
Courier, postage	120.63
Drafting	840.00
Reprographics, in house	36.75
Reprographics	267.55
Photocopies	90.75
Maps	23.72
Computer services	1,136.83
Report, word processing	132.00
Miscellaneous	4.50
Program Management	<u>6,690.27</u>
	74,500.49

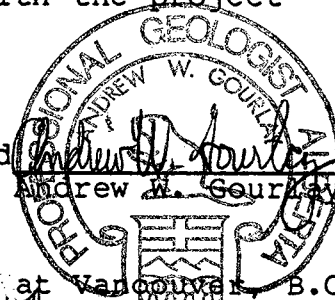
APPENDIX IX
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Andrew W. Gourlay, hereby certify that:

1. I am presently employed by MineQuest Exploration Associates Ltd. as Senior Geologist
2. I am a graduate of the University of British Columbia (B.Sc. Hons., 1977, in geology.
3. I am a Professional Geologist in good standing with the Association of Professional Engineers, Geologists and Geophysicists of Alberta, and a Fellow of the Geological Association of Canada.
4. I have practised my profession as geologist for 10 years.
5. The information used in this report is based on reports, maps, and data lists on file at MineQuest Exploration Associates Ltd., personal logging of the drill cuttings and familiarity with the project area.

Signed



Dated at Vancouver, B.C.
this 10th day of December,
1987.

APPENDIX X

STATEMENTS OF EXPLORATION AND DEVELOPMENT

C. DRILLING (Details in report submitted as per section 8 of regulations.) (The itemized cost statement must be part of the report.)	COST
	49,871.87
D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL (Details in report submitted as per section 5, 6, or 7 of regulations.) (The itemized cost statement must be part of the report.) (State type of work in space below.) GEOPHYSICS AND GEOCHEMISTRY	49,871.87
	99,743.74
TOTAL OF C AND D	

Who was the operator (provided the financing)?

Name QPX Minerals Inc.
Address 500 - 164 Water Street
Vancouver, B.C. V6B 1B5

Portable Assessment Credits (PAC) Withdrawal Request		AMOUNT
Amount to be withdrawn from owner(s) or operator(s) account(s):		
Name of Owner		
(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)	1. ....	.....
	2. ....	.....
	3. ....	.....
	4. ....	.....
TOTAL WITHDRAWAL		.....
TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL		.....

I wish to apply \$ 35,600. of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

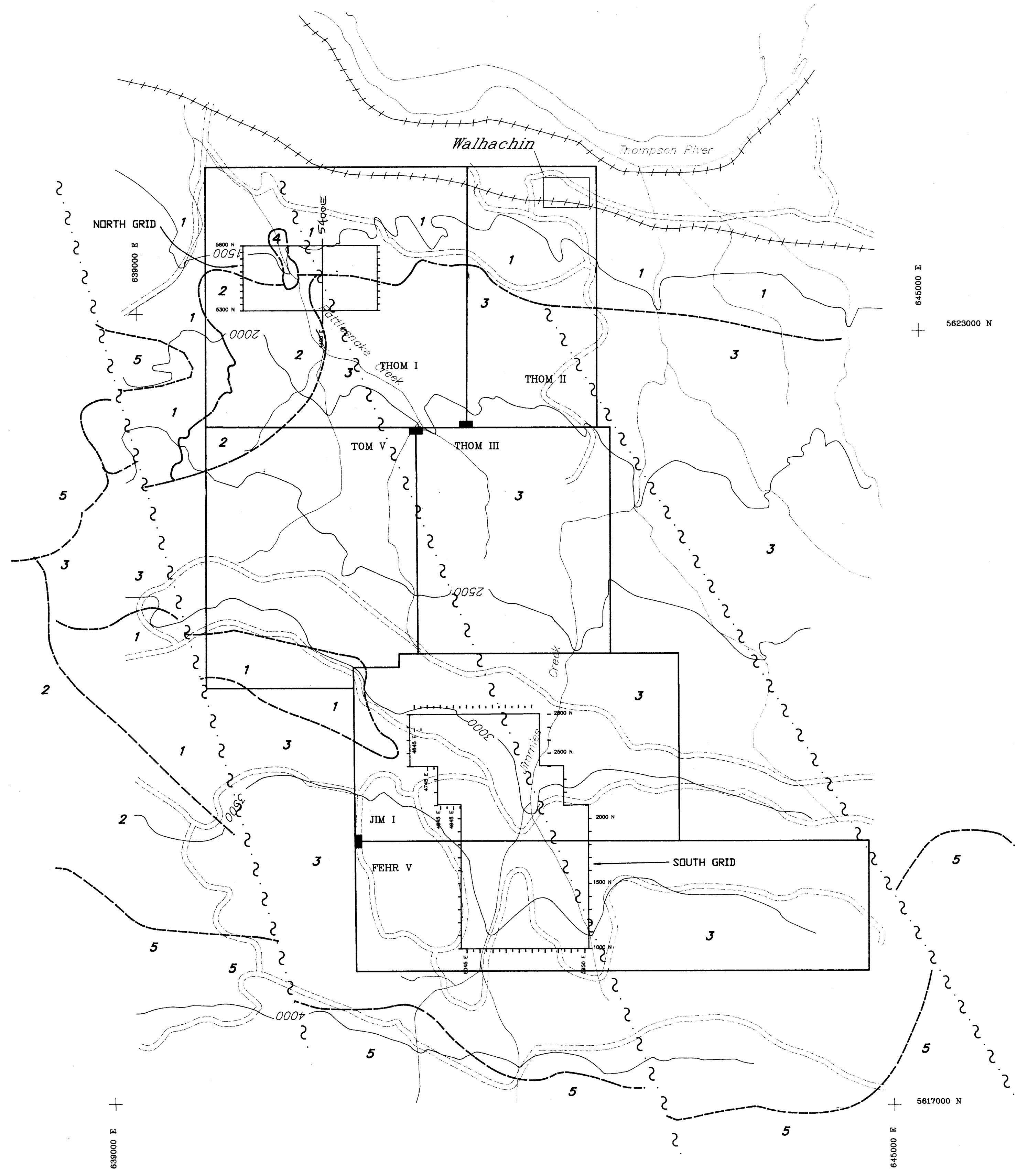
CLAIM	RECORD NO.	UNITS	MONTH DUE	WORK APPLIED	YEARS EARNED
THOM I	4748	16	SEPTEMBER	6400	2
THOM II	6002	8	DECEMBER	4000	3
THOM III	6003	12	DECEMBER	6000	3
FEHR V	4395	16	MARCH	9600	3
JIM I	5898	15	SEPTEMBER	6000	2
THOM V	7235	12	AUGUST	3600	3

Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name		AMOUNT
In owner(s) name.	1. <u>QPX Minerals Inc.</u>	64,143.74
	2. ....	.....
	3. ....	.....
In operator(s) name (party providing the financing).	1. ....	.....
	2. ....	.....
	3. ....	.....

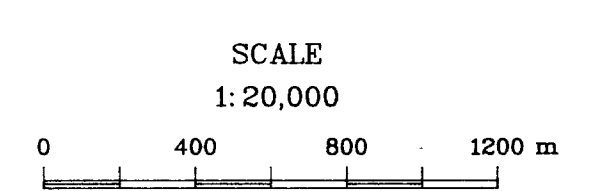
A.W. Staley
(Signature of Applicant)



+ 50° 40' 45" N
 121° 00' W

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,641



LEGEND

- 5** TERTIARY: KAMLOOPS GROUP: BASALT
SEDIMENTS AND TUFFS
- 4** TERTIARY (?): RATTLESNAKE CREEK RHYOLITE
- 3** JURASSIC: ASHCROFT FORMATION: CONGLOMERATE
- 2** TRIASSIC AND (?) JURASSIC: HORNBLLENDE DIORITE - GRANODIORITE.
- 1** TRIASSIC: NICOLA GROUP
- ~ ~ AIRPHOTO LINEAMENT
- CONTACTS

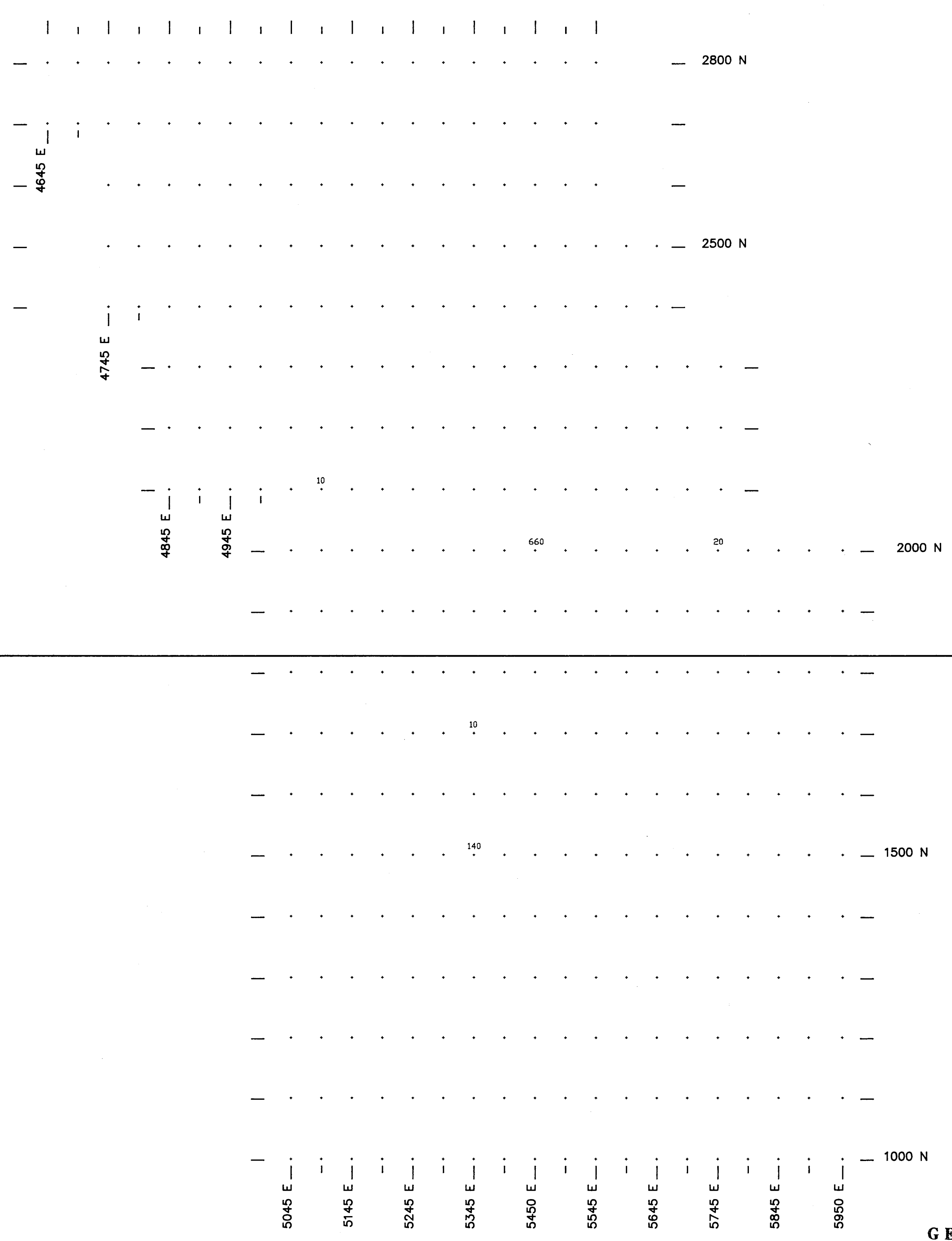
Geology after D. Brown (1984).

QPX MINERALS INC.
THOM & FEHR CLAIMS

**GEOLOGY
AND GRID LOCATIONS**

Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp Dec. '87	1077	3
Revision			N.T.S.	
Revision			921/10,11,14,15	

MINEQUEST EXPLORATION ASSOCIATES LTD.

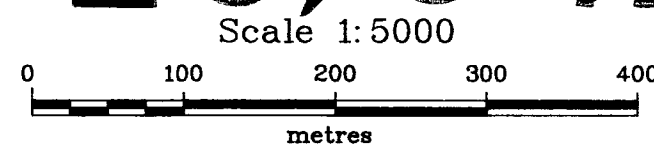


JIM I

FEHR V

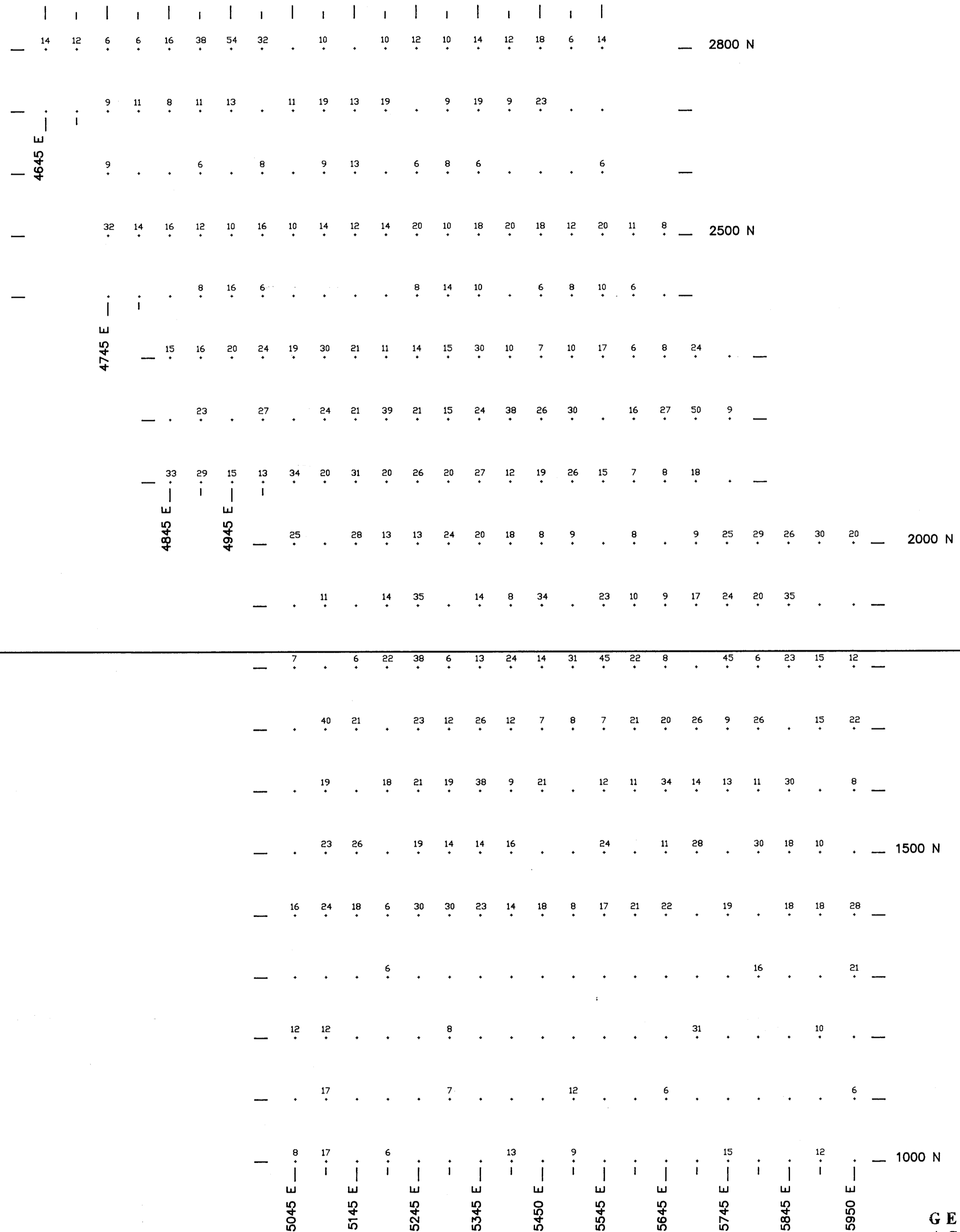
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,641



note: only values >5 ppb plotted
:complete results tabulated in Appendix II

QPX MINERALS INC.					
THOM & FEHR CLAIMS					
SOUTH GRID					
SOIL GEOCHEMISTRY - Au					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	Oct '87	1073	19
Revision				N.T.S.	
Revision				921/10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.					

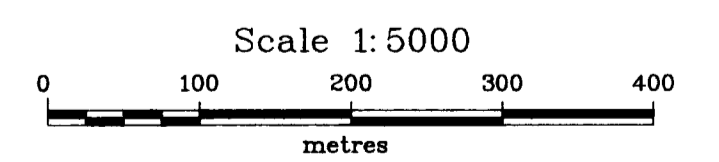


JIM I

FEHR V

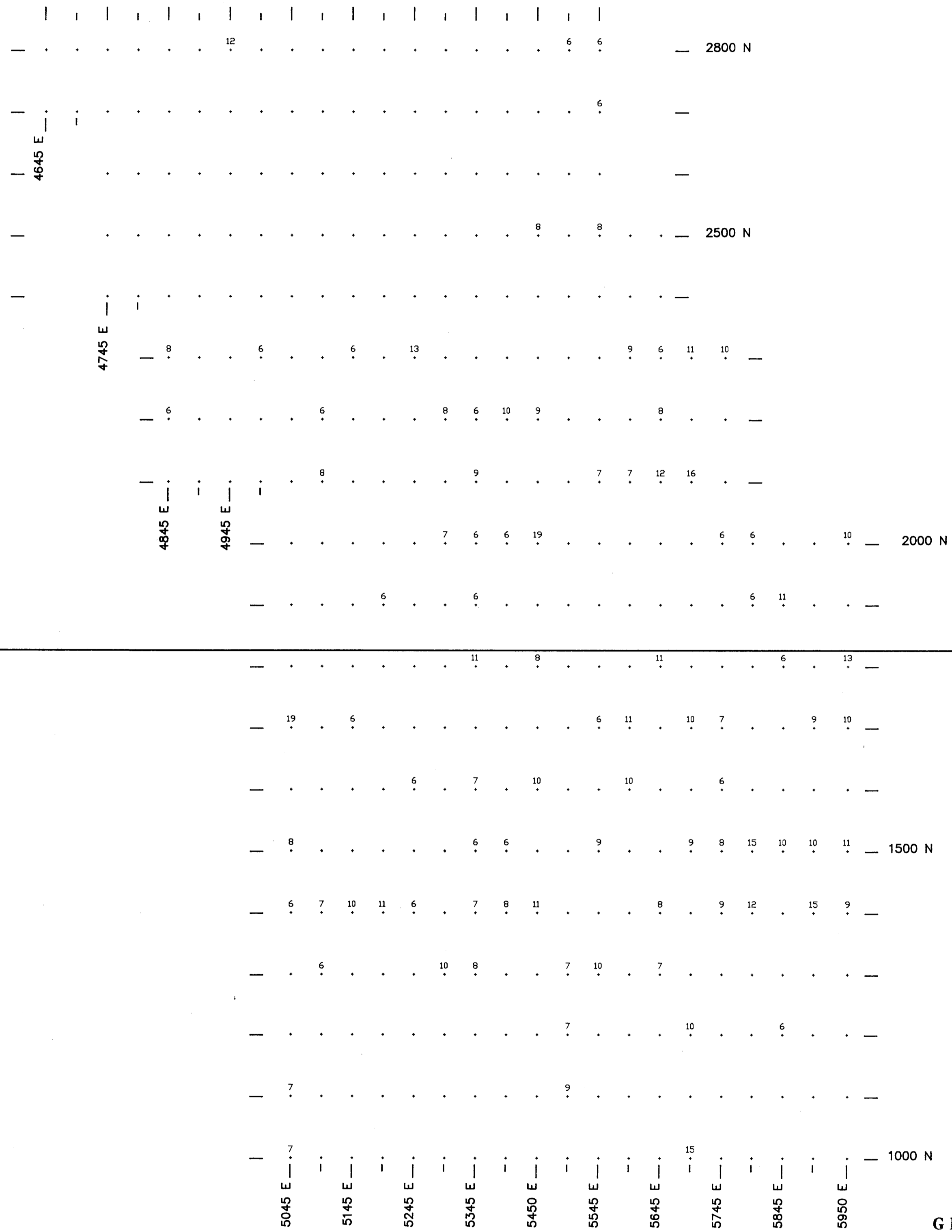
GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,641



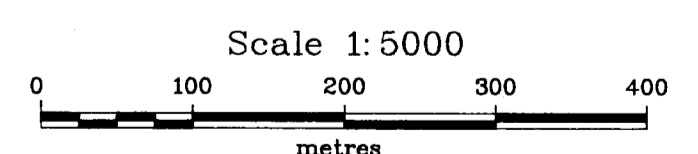
note: only values > 5 ppm plotted
:complete results tabulated in Appendix II

QPX MINERALS INC.					
THOM & FEHR CLAIMS					
SOUTH GRID					
SOIL GEOCHEMISTRY - As					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	Oct '87	1074	
Revision				N.T.S.	
Revision				921/10,11,14,15	20
MINEQUEST EXPLORATION ASSOCIATES LTD.					



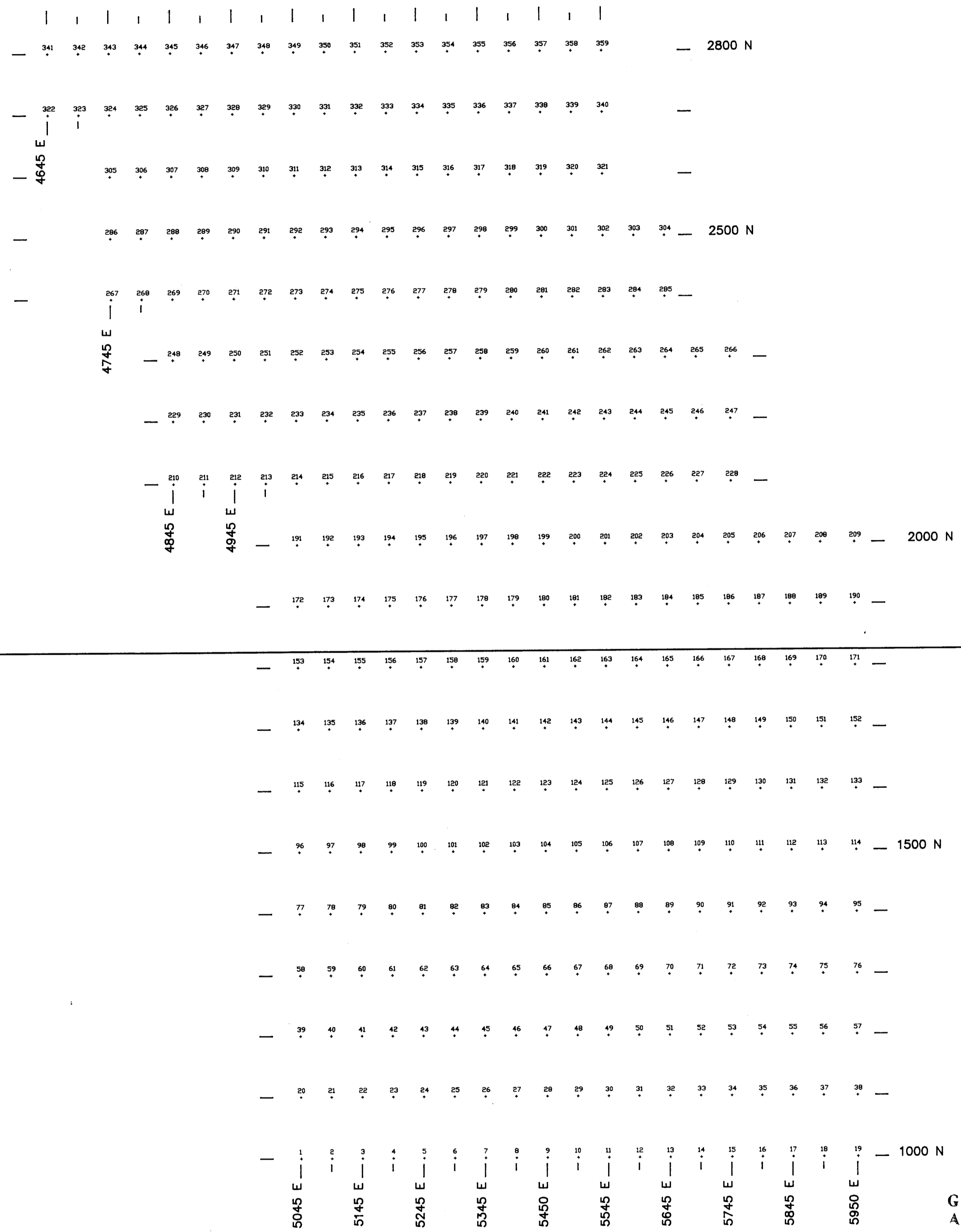
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,641



note: only values > 5 ppm plotted
: complete results tabulated in Appendix II

QPX MINERALS INC.				
THOM & FEHR CLAIMS				
SOUTH GRID				
SOIL GEOCHEMISTRY - Sb				
Original	Originator	Drawn	Date	PLAN No.
Revision	AWG	Geo-Comp	Oct '87	1075
Revision				N.T.S.
				92I/10,11,14,15
				FIGURE
				21
MINEQUEST EXPLORATION ASSOCIATES LTD.				

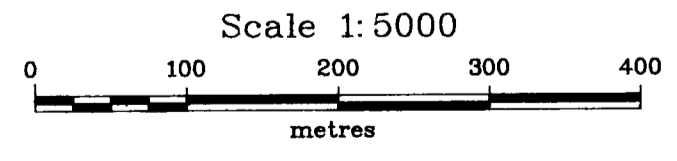


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FEHR V

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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QPX MINERALS INC.					
THOM & FEHR CLAIMS					
SOUTH GRID					
SOIL GEOCHEMISTRY					
COMPOSITE SAMPLE LOCATION					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original	AWG	Geo-Comp	Oct '87	1072	18
Revision				N.T.S.	
Revision				921/10,11,14,15	
MINEQUEST EXPLORATION ASSOCIATES LTD.					