11. ANOMALY 15 (EL 2366)

11.1 Introduction

Anomaly 15 is located approximately 8 kilometres south of The Granites Gold mine. It is defined by ten anomalous samples, principally gold in laterite but also arsenic and lead as well as base of hole gold (peak value 6ppb gold). The highest gold in laterite value (50ppb) returned from the entire survey was obtained from this area. The anomaly is partly coincident with a low amplitude east-west trending magnetic anomaly. This anomaly has been partially tested by two reconnaissance RAB drill traverses (Approach Hill traverses 19 & 20, see previous Project Report) which did not return significantly anomalous results. Lithologies encountered included meta-turbidites, mafic intrusives (?) and sediments with possible Blake Beds affinities. Extensive limonite alteration was also observed. The anomaly was also previously detailed with a local horizontal loop electromagnetic survey. The highly anomalous results and the proximity of The Granites indicated that further work should be carried out.

11.2 Work Undertaken

The follow up reconnaissance exploration programme completed in the reporting period consisted of 42 vacuum drill holes drilled on a 1km x 1km AMG grid (GPS aided) for a total advance of 485 metres.

Summary of Work Completed

Number of Vacuum Holes	42
Total Metres Advanced	485
BOH Samples	45
BCL Samples	44

Sampling of each vacuum drill hole consisted of a single BCL sample taken immediately beneath transported material as well as a single BOH sample taken in recognisable bedrock.

The BOH samples are grab samples submitted to Analabs for Au (method 334, 1ppb detection limit) and As (method 115, 5ppm detection limit). BCL samples are 5kg and are submitted to Rapley Wilkinson Laboratories for Au (0.01ppb D.L.), Cu (0.01ppm D.L.) and Ag (0.01ppb D.L.) analyses.

11.3 Results

The proposed vacuum drilling was completed with disappointing assay results. The following table summarises highest values obtained in BCL and BOH sampling, and the attached figures plot their locations (highlighted), as well as the locations and values of all other samples.

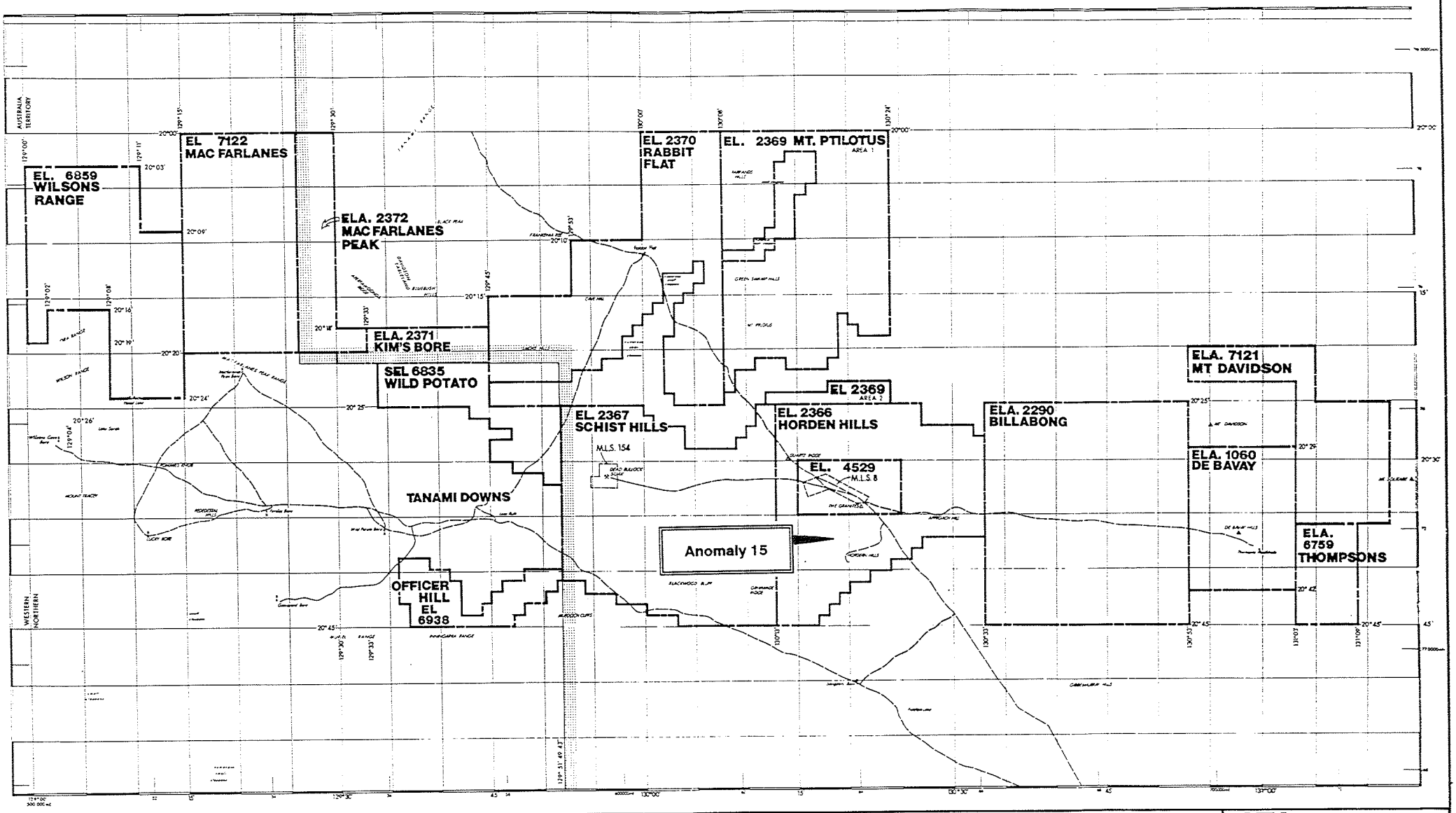
Peak Values For 1992 Vacuum Drilling

BCL	Au 1.61 ppb
	Ag 645.5 ppb
	Cu 0.08 ppm
BOH	Au 55 ppb
	As 115 ppm

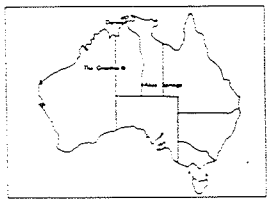
The geology of the area consists of fine grained metasediments (pelites, pelitic schists and sericitic schists with very minor cherts) and greywackes of the Madigan Beds. These sediments are intruded to the north and south west by The Granites type granite. The western portion of the prospect area is very deeply weathered to depths in excess of 30m vertically, and therefore beyond the capabilities of the vacuum drilling rig. The lithologies logged in the drillholes do not account for the aeromagnetic anomaly, indicating that the feature is the result of a more deeply buried source.

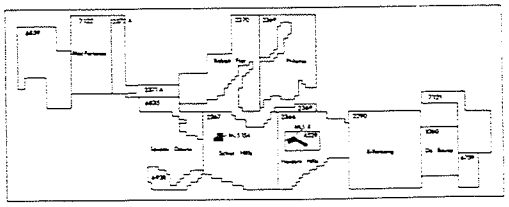
11.4 Plans

No separate plans (other than included figures) are supplied for the Anomaly 15 prospect.



LOCATION MAP





LEGEND

NORTH FLINDERS MINES LIMITED

Tanami Reconnaissance : Northern Territory

EL LAYOUT

Fig. 11A

Drg. No. 20-1

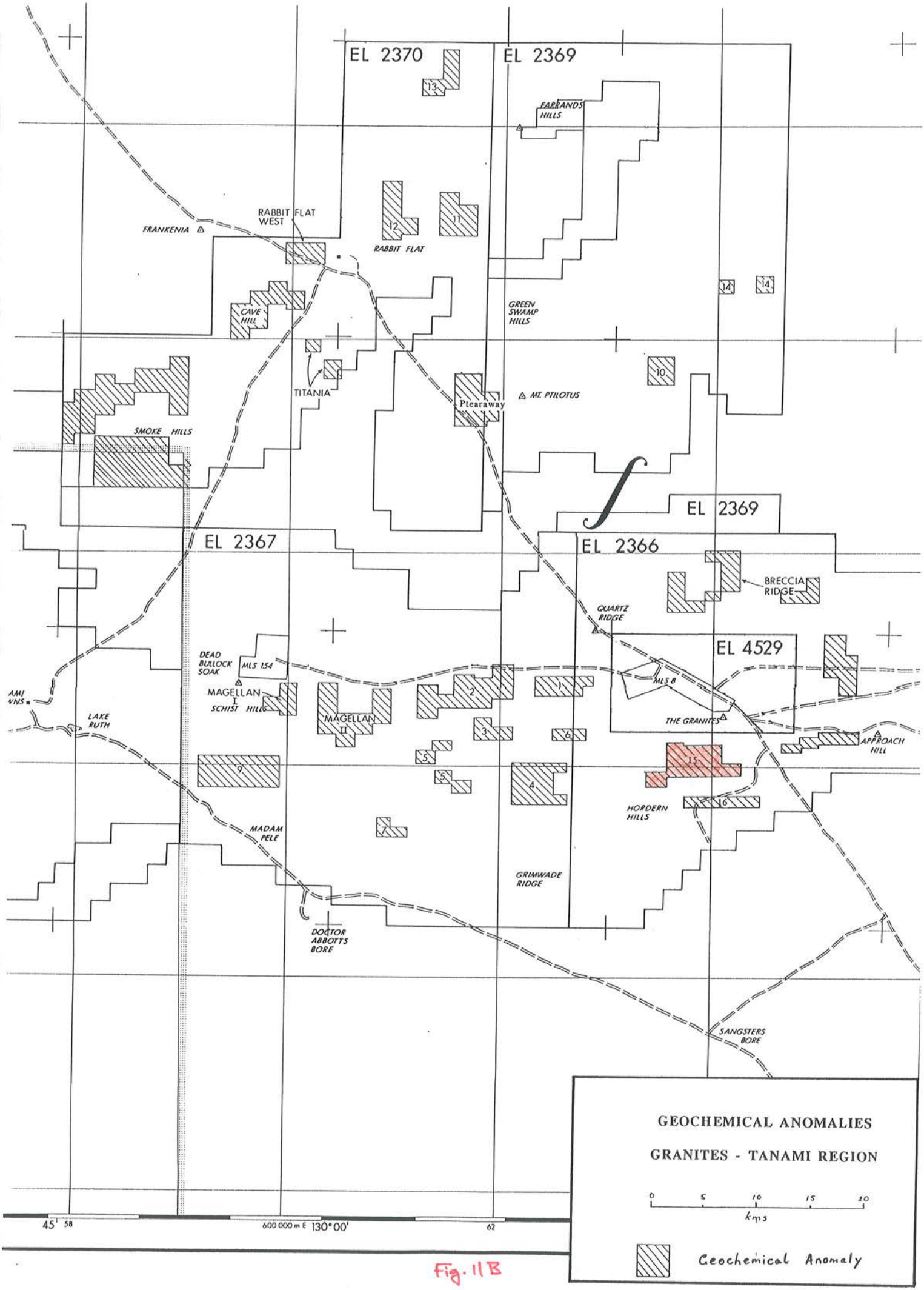

EL 2370
EL 2369
FARRANDS HILLS
RABBIT FLAT WEST
FRANKENIA
RABBIT FLAT
CAVE HILL
GREEN SWAMP HILLS
TITANIA
Ptearaway
MT. PTILOTUS
SMOKE HILLS
EL 2369
EL 2367
EL 2366
BRECCIA RIDGE
QUARTZ RIDGE
EL 4529
DEAD BULLOCK SOAK
MLS 154
MLS 8
AMI VNS
MAGELLAN I SCHIST HILLS
MAGELLAN II
LAKE RUTH
THE GRANITES
APPROACH HILL
HORDERN HILLS
MADAM PELE
GRIMWADE RIDGE
DOCTOR ABBOTTS BORE
SANGSTERS BORE
45' 58
600 000 m E
130°00'
62
GEOCHEMICAL ANOMALIES
GRANITES - TANAMI REGION
0 5 10 15 20
kms
Geochemical Anomaly

Fig. 11B

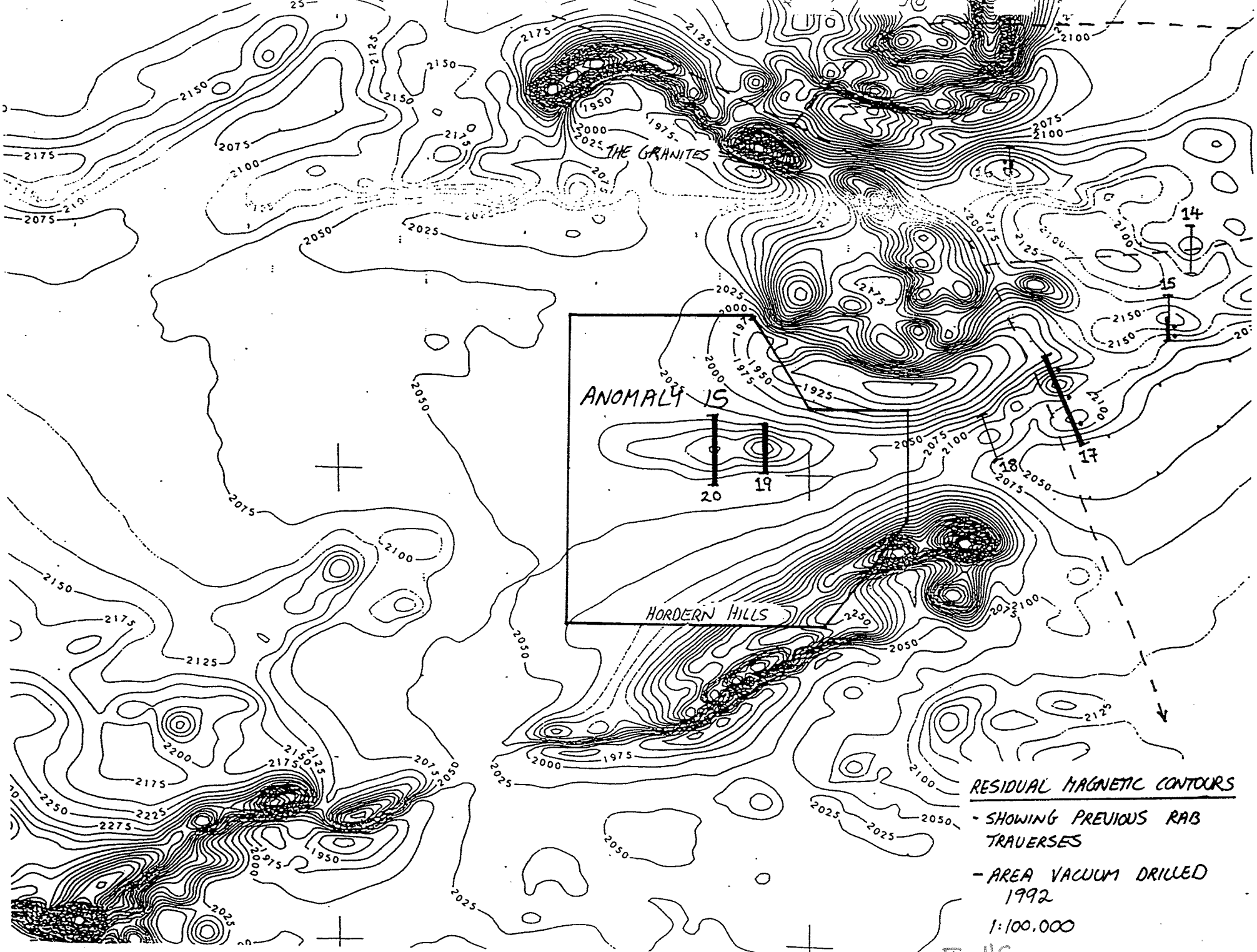
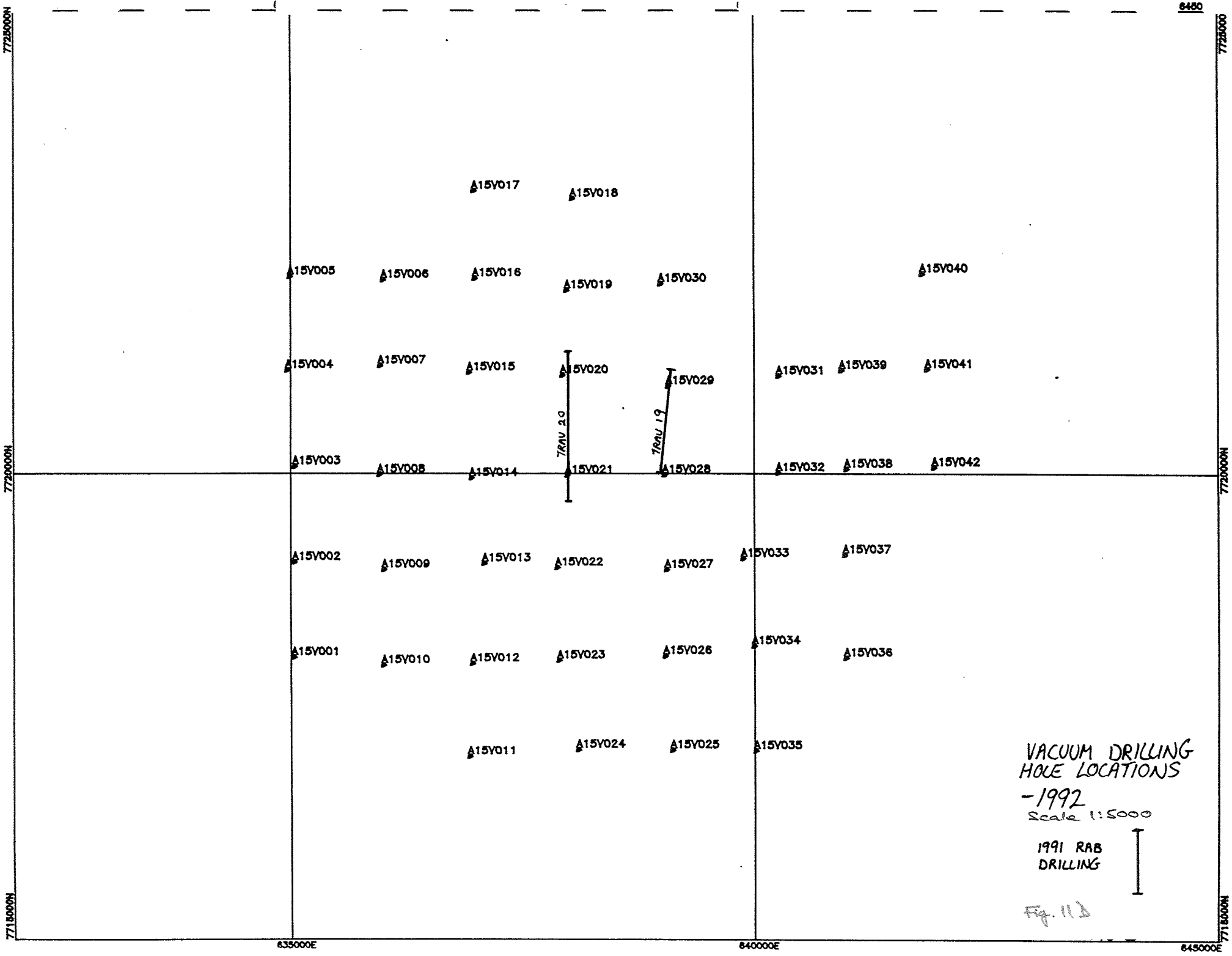
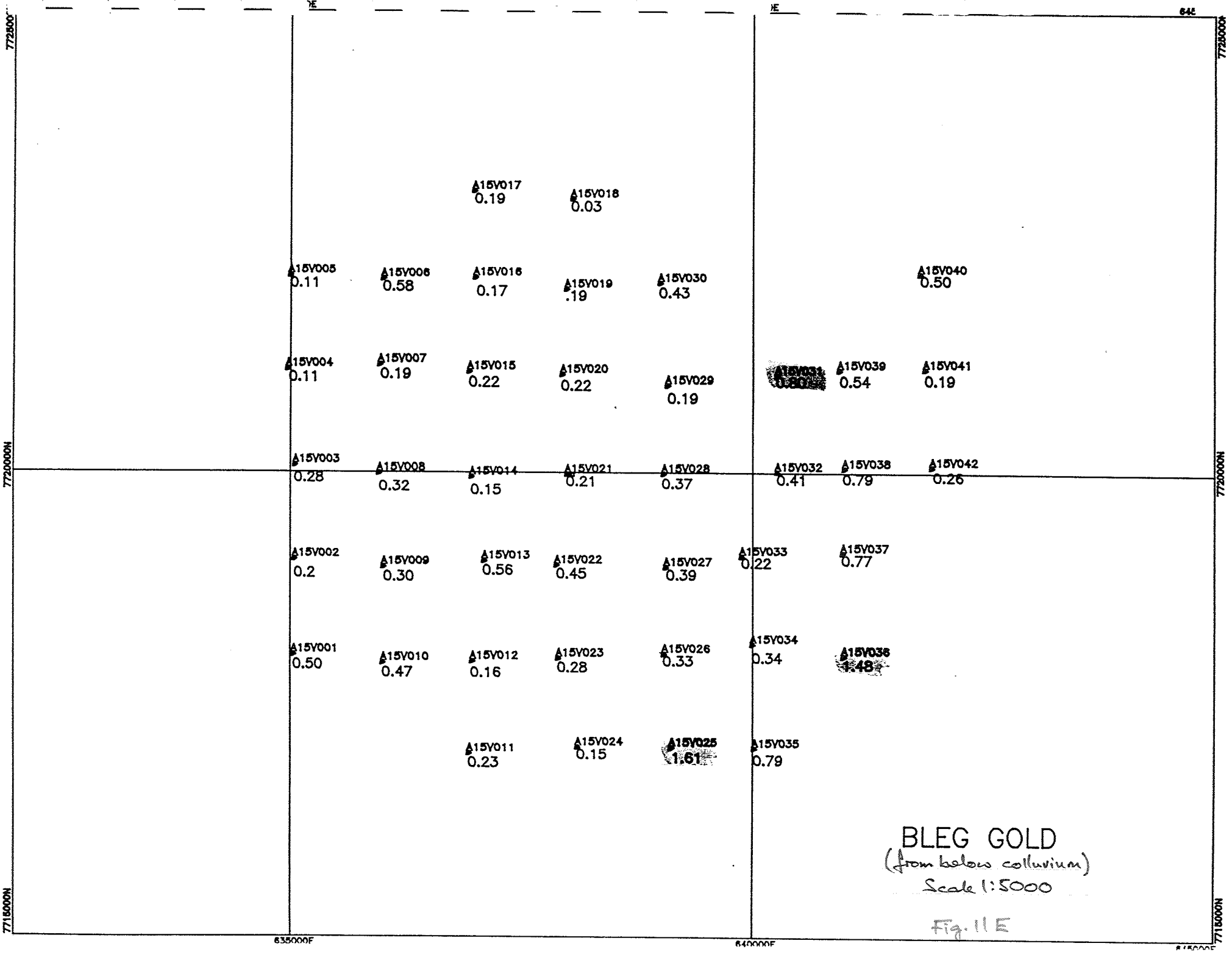

THE GRANITES
ANOMALY 15
HORDERN HILLS
20
19
18
17
15
14
RESIDUAL MAGNETIC CONTOURS
- SHOWING PREVIOUS RAB TRAVERSES
- AREA VACUUM DRILLED 1992
1:100,000

Fig. 11C


6450
7725000N
7720000N
7715000N
15V017
15V018
15V005
15V006
15V016
15V019
15V030
15V040
15V004
15V007
15V015
15V020
15V029
15V031
15V039
15V041
TRAV 20
TRAV 19
15V003
15V008
15V014
15V021
15V028
15V032
15V038
15V042
15V002
15V009
15V013
15V022
15V027
15V033
15V037
15V001
15V010
15V012
15V023
15V026
15V034
15V036
15V011
15V024
15V025
15V035
635000E
640000E
645000E
VACUUM DRILLING
HOLE LOCATIONS
-1992
Scale 1:5000
1991 RAB
DRILLING
Fig. 11


7725000N
7720000N
7715000N
635000E
640000E
645000E
15V017 0.19
15V018 0.03
15V005 0.11
15V006 0.58
15V016 0.17
15V019 .19
15V030 0.43
15V040 0.50
15V004 0.11
15V007 0.19
15V015 0.22
15V020 0.22
15V029 0.19
15V031 0.80
15V039 0.54
15V041 0.19
15V003 0.28
15V008 0.32
15V014 0.15
15V021 0.21
15V028 0.37
15V032 0.41
15V038 0.79
15V042 0.26
15V002 0.2
15V009 0.30
15V013 0.56
15V022 0.45
15V027 0.39
15V033 0.22
15V037 0.77
15V001 0.50
15V010 0.47
15V012 0.16
15V023 0.28
15V026 0.33
15V034 0.34
15V036 1.48
15V011 0.23
15V024 0.15
15V025 1.61
15V035 0.79
BLEG GOLD
(from below colluvium)
Scale 1:5000
Fig. 11E

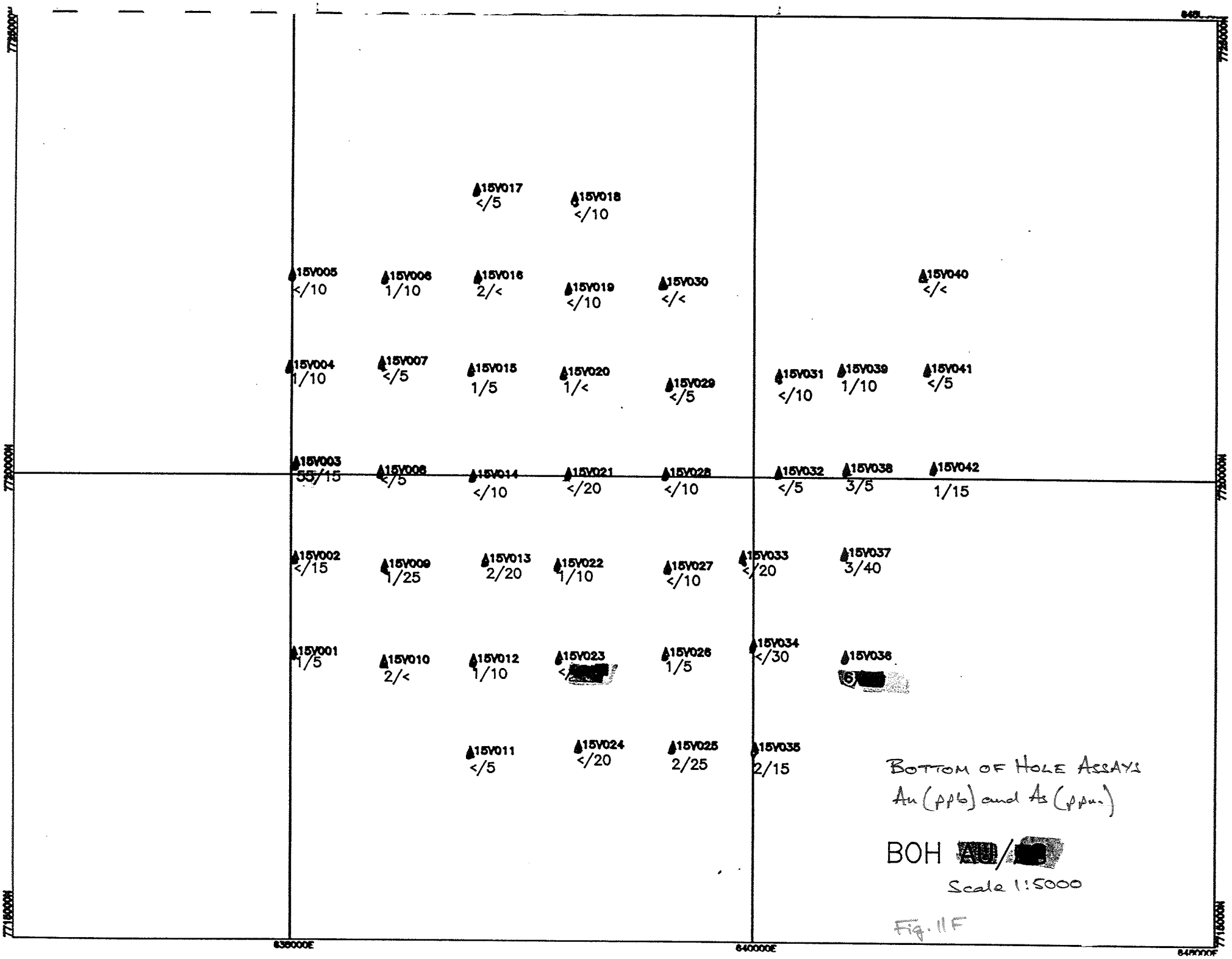

7720000N
7715000N
636000E
640000E
15V017
</5
15V018
</10
15V005
</10
15V006
1/10
15V016
2/<
15V019
</10
15V030
</<
15V040
</<
15V004
1/10
15V007
</5
15V015
1/5
15V020
1/<
15V029
</5
15V031
</10
15V039
1/10
15V041
</5
15V003
35/15
15V008
</5
15V014
</10
15V021
</20
15V028
</10
15V032
</5
15V038
3/5
15V042
1/15
15V002
</15
15V009
1/25
15V013
2/20
15V022
1/10
15V027
</10
15V033
</20
15V037
3/40
15V001
1/5
15V010
2/<
15V012
1/10
15V023
[redacted]
15V026
1/5
15V034
</30
15V036
6[redacted]
15V011
</5
15V024
</20
15V025
2/25
15V035
2/15
BOTTOM OF HOLE ASSAYS
Au (ppb) and As (ppm)
BOH Au/[redacted]
Scale 1:5000

Fig. 11F

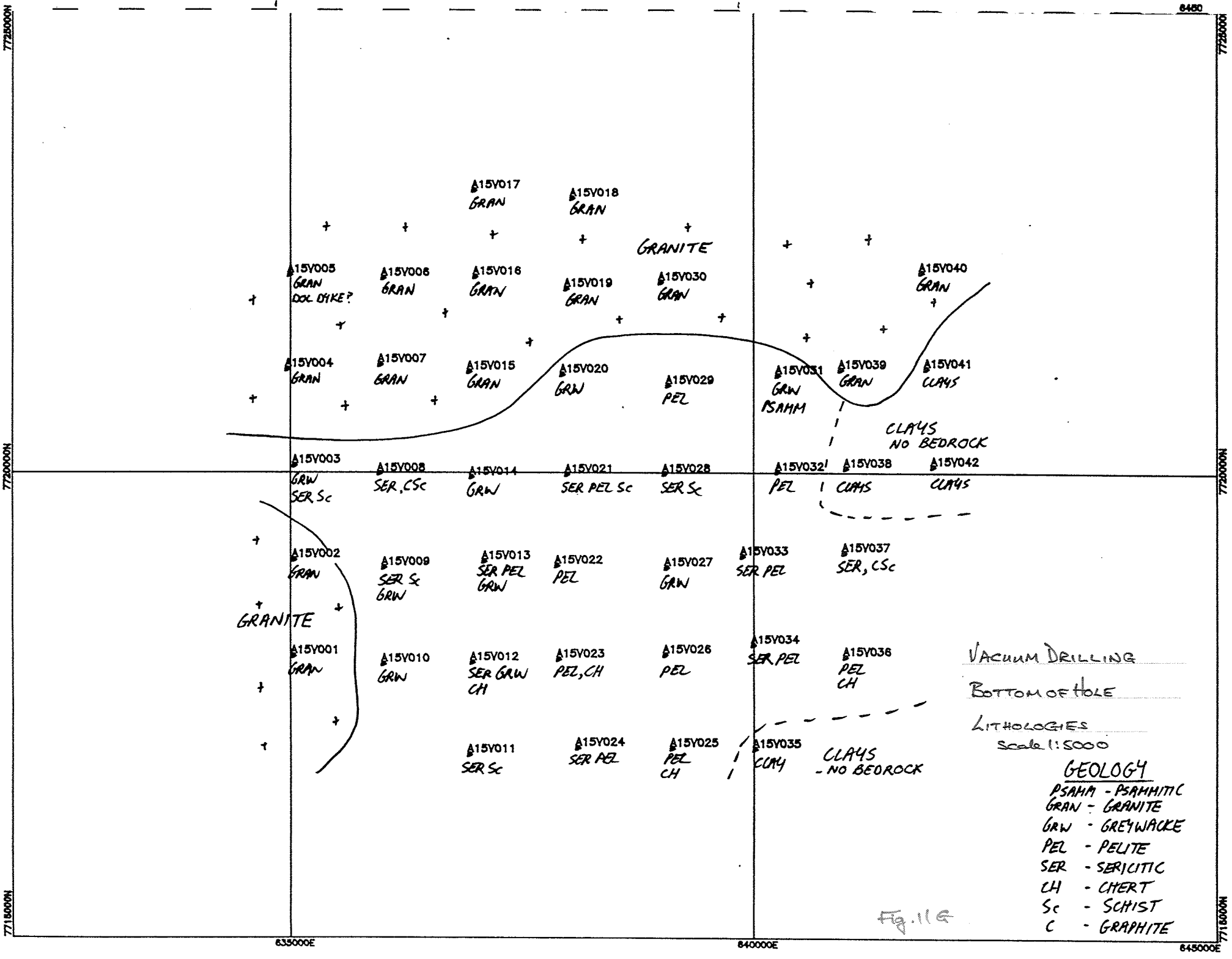

6450
7725000N
7720000N
7715000N
635000E
640000E
645000E
15V017 GRAN
15V018 GRAN
GRANITE
15V005 GRAN DOL DIKE?
15V006 GRAN
15V016 GRAN
15V019 GRAN
15V030 GRAN
15V040 GRAN
15V004 GRAN
15V007 GRAN
15V015 GRAN
15V020 GRW
15V029 PEL
15V031 GRW PSAMM
15V039 GRAN
15V041 CLAYS
CLAYS NO BEDROCK
15V003 GRW SER Sc
15V008 SER, CSc
15V014 GRW
15V021 SER PEL Sc
15V028 SER Sc
15V032 PEL
15V038 CLAYS
15V042 CLAYS
15V002 GRAN
15V009 SER Sc GRW
15V013 SER PEL GRW
15V022 PEL
15V027 GRW
15V033 SER PEL
15V037 SER, CSc
GRANITE
15V001 GRAN
15V010 GRW
15V012 SER GRW CH
15V023 PEL, CH
15V026 PEL
15V034 SER PEL
15V036 PEL CH
15V011 SER Sc
15V024 SER PEL
15V025 PEL CH
15V035 CLAY
CLAYS - NO BEDROCK
VACUUM DRILLING
BOTTOM OF HOLE
LITHOLOGIES
Scale 1:5000
GEOLOGY
PSAMM - PSAMMITIC
GRAN - GRANITE
GRW - GREYWACKE
PEL - PELITE
SER - SERICITIC
CH - CHERT
Sc - SCHIST
C - GRAPHITE

Fig. 11G