

SOUTH AUSTRALIA
DEPARTMENT OF MINES AND ENERGY



OPEN FILE ENVELOPE NO. 8106

EL 1532, LAKE GILLES
EL 1551, MOONABIE
PROGRESS REPORTS FOR THE PERIOD 26/1/89 TO 30/11/89

Submitted by

Pondray Pty Ltd and Perilya Mines NL

1989

This report was supplied as part of the requirement to hold a mineral or petroleum exploration tenement in the State of South Australia. The Department accepts no responsibility for statements made, or conclusions drawn, in the report or for the quality of original text or drawings.

ENVELOPE 8106

TENEMENT: EL 1532 - Lake Gilles area.
EL 1551 - Moonabie area.

TENEMENT HOLDER: Pondray Pty Ltd; Perilya Mines NL.

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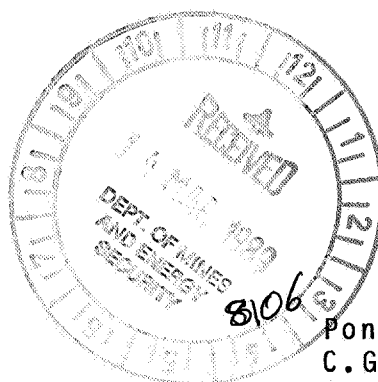
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Ref: 30.40/CGA/SR

EXPLORATION LICENCE NO. 1532
LAKE GILLES
FIRST QUARTERLY REPORT
FOR THE QUARTER ENDING 26.1.89

Distribution

Department of Mines	1
Perilya Mines N.L.	1
Noranda Pty. Ltd.	1
Pondray Pty. Ltd.	1



Pondray Pty. Ltd.
C.G. Anderson
February, 1989

INTRODUCTION

Exploration Licence No. 1532 covers approximately 1061 sq. kms., in the Lake Gilles area on northern Eyre Peninsula (Figure 1). The licence was granted to Pondray Pty. Ltd. on October 26th, 1988 for a six month term, and is operated under a joint venture agreement between Pondray Pty. Ltd., Perilya Mines N.L. (Perth) and Noranda Pty. Ltd. (Canada).

Land use within the licence area is limited to sheep grazing on generally flat, salt-bush covered pasture. The northern portion of Lake Gilles itself occurs in the north-central portion of the licence and the area including the lake and its margins has been recommended for inclusion in the "Lake Gilles Conservation Park". The current boundary of the park forms the western margin of the E.L. in the area south of the lake.

REGIONAL GEOLOGY

E.L. 1532 is situated near the eastern margin of the Gawler Craton, and covers an area of poorly exposed Hutchison Group metasediments of Lower to mid-Proterozoic age. This sequence of chemical and clastic sediments is commonly correlated with the Willyama Complex in NSW, which hosts the Broken Hill Ag-Pb-Zn ore-bodies.

In the northern portions of the licence, the Hutchison Group is successively overlain by the mid-Proterozoic Gawler Range Volcanics and the Corunna Conglomerate. The "Burkitt Granite", also of mid-Proterozoic age, is exposed in the north-eastern corner of the licence.

EXPLORATION TARGETS

The exploration programme to be conducted by the J.V. partners is primarily intended to evaluate the area of E.L. 1532 (and the adjoining E.L. 1551) for economic base-metal mineralisation comparable to the Broken Hill deposits. This programme will be focussed on the western margin of the BIF-bearing Hutchison Group meta-sedimentary sequence, as it is defined in regional aeromagnetic data. Because of the poor exposure within the licence area, it is anticipated that the exploration programme will be heavily dependent upon geophysical and soil geochemical surveying, followed by RAB drilling.

Possibilities for other styles of mineralisation, particularly precious metals, will be evaluated, if appropriate.

WORK COMPLETED DURING THE QUARTER

Exploration activity during the first quarter of the licence included a familiarisation with the area and previous exploration activity. The former involved reconnaissance trips to the area and identification of local land-owners. The

latter included a review of all existing open-file material for the area. Although there has been little activity directly related to the interpreted target position, several companies have conducted reconnaissance exploration programmes over the region, the most notable being:-

- . **Shell Australia/Billiton** - base metal search, including some rock-chip sampling of outcrop areas in the north of E.L. 1532 ("Wartaka" and "Morgan" prospects - Figure 2). Regional compilations of geological and geophysical data.
- . **Stockdale** - regional diamond sampling programme, including broadly spaced loam samples over most of the licence area. Negotiations are under way to access these samples and assay for base/precious metals.
- . **Esso (Australia)** - programmes including shallow rotary drilling in the northern portion of the licence, principally for uranium mineralisation associated with the Burkitt Granite and/or Corunna Conglomerate.
- . **Nissho-Iwai** - as above.
- . **B.H.P.** - limited drilling programme over major magnetic anomaly in the southern portion of the licence, for iron-ore potential.

A programme of reconnaissance ground magnetic traversing, incorporating selective rock-chip and/or soil sampling was designed and commenced during the later part of the report period and is currently in progress. Details on this programme, including location information and results will be reported in the next quarter.

EXPENDITURE

Expenditure during the quarter totalled \$5,900.00, as detailed in the attached expenditure statement.

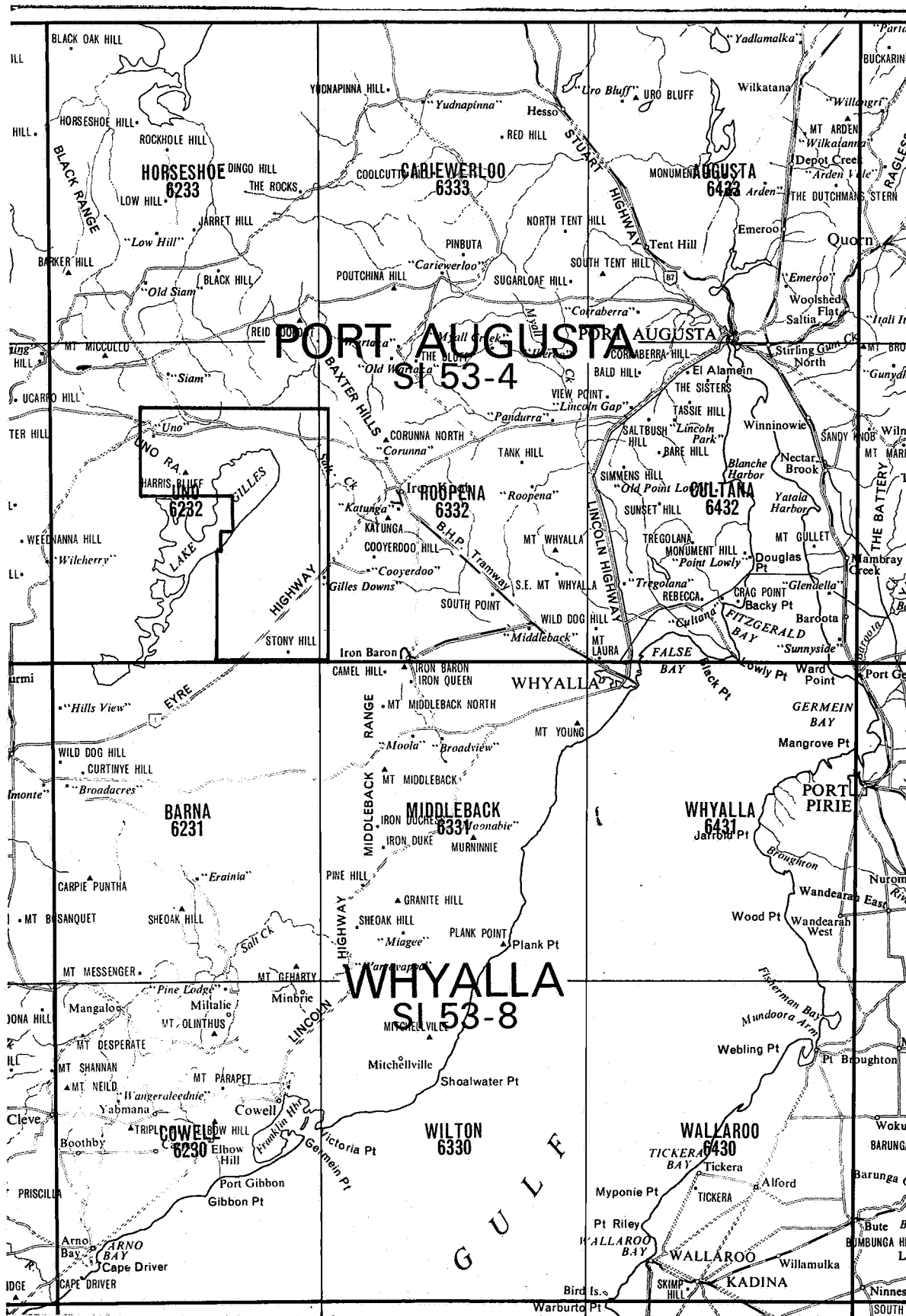
Ref: 30.41/CGA/SR

EXPENDITURE STATEMENT FOR QUARTER
ENDING JANUARY 26TH, 1989

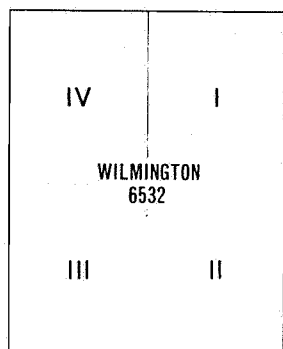
TENEMENT: Lake Gilles
E.L. 1532

LOCATION: Eyre Peninsula, South Australia

1.	Consultants and Tech. Services	\$ 1,900
2.	Geophysics	\$ 263
3.	Travel	\$ 510
4.	Accommodation	\$ 156
5.	Communications/Freight	\$ 46
6.	Data Aquisition	\$ 5
7.	Property Costs	\$ 2,440
8.	Field Costs	
	- Vehicle	\$ 32
9.	Administration	\$ 548
	Total	\$ 5,900



1:50 000 MAP REFERENCE



LAKE GILLES E.L. 1532
LOCATION AND SHEET REFERENCE

SCALE 1:1,000,000

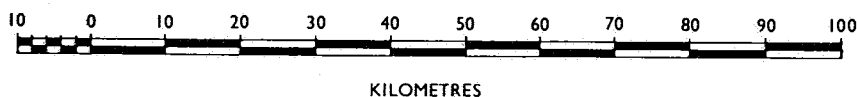
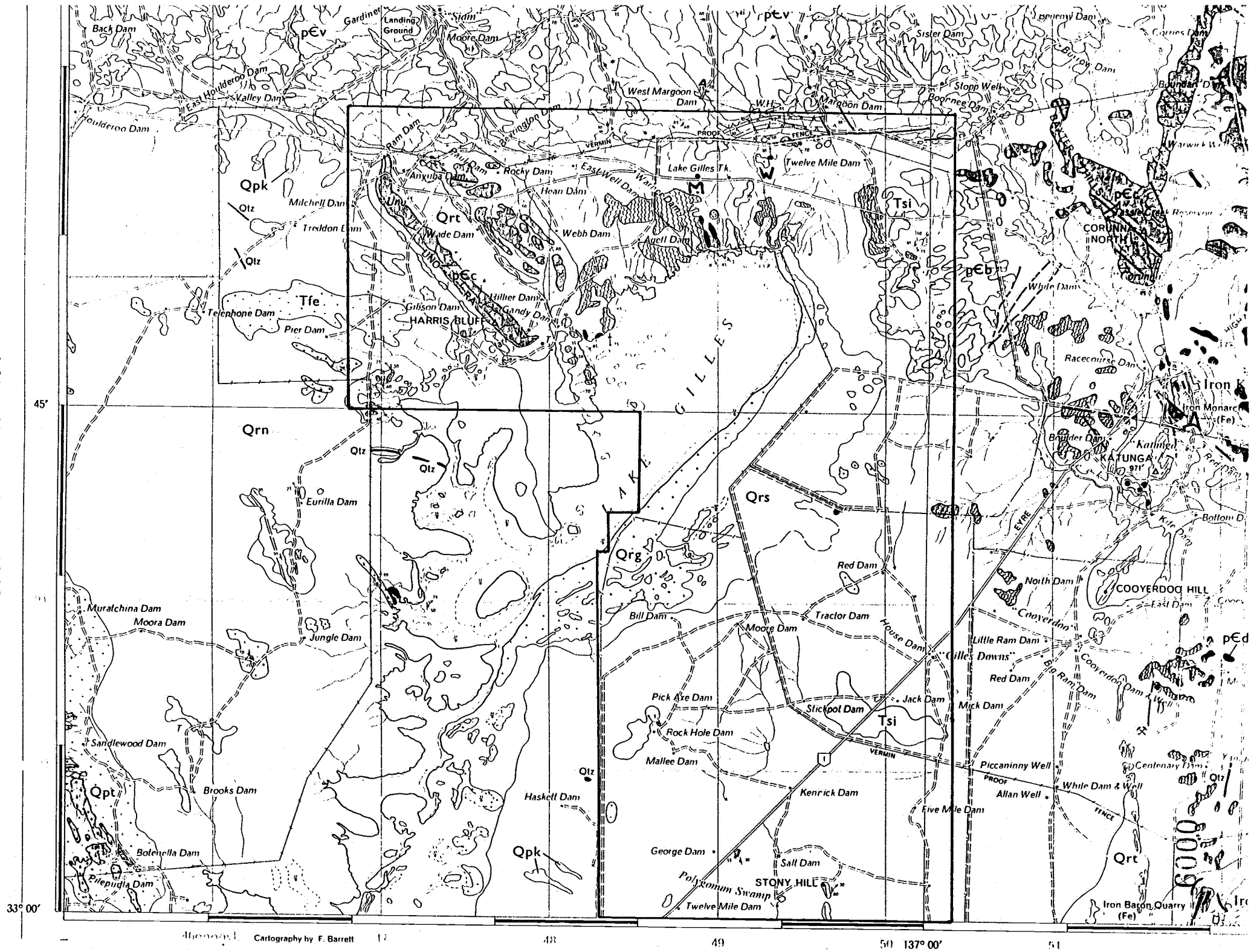
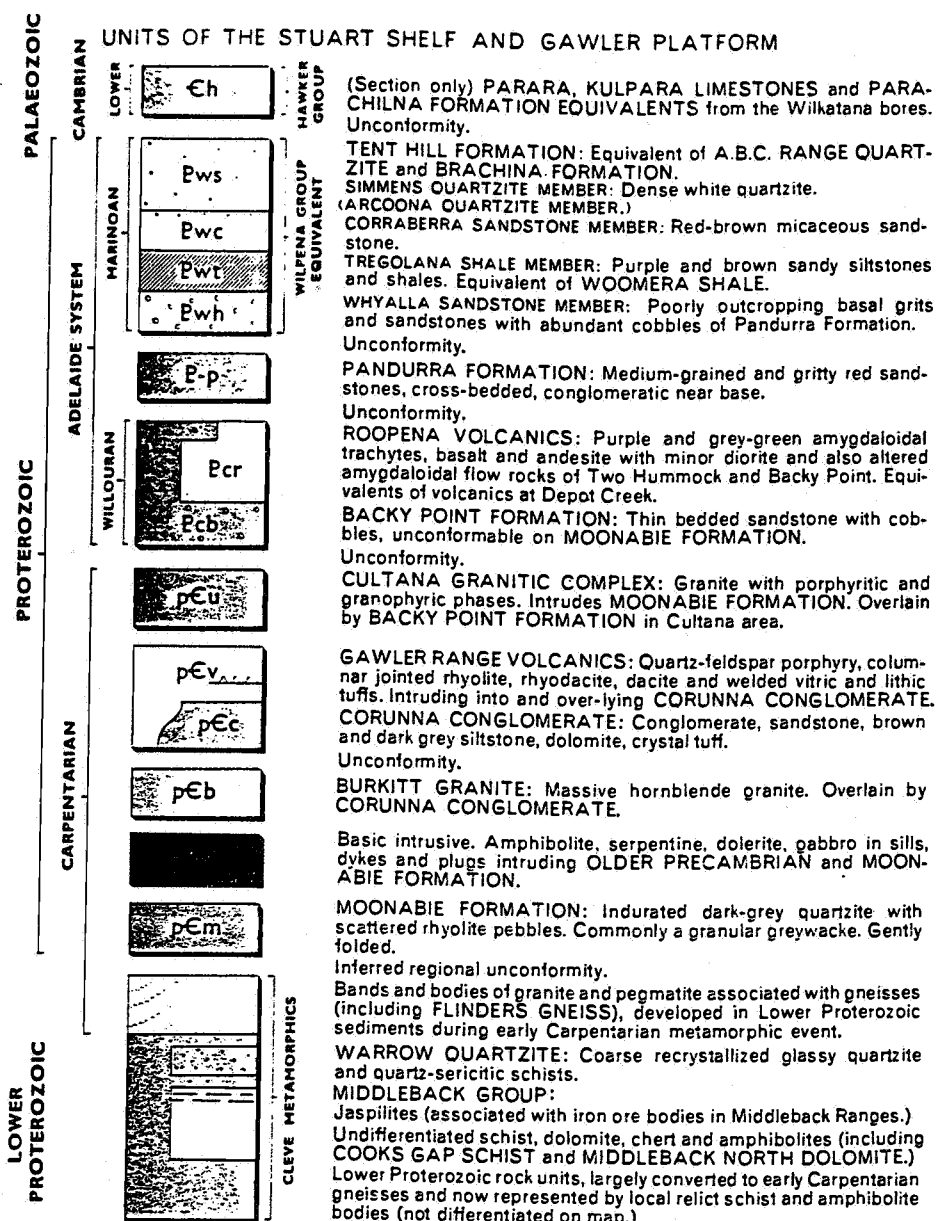


FIGURE 1.

LAKE GILLES E.L. 1532
REGIONAL GEOLOGY - PT. AUGUSTA 1:250,000 SH.





- .M Billiton Base Metal Prospect - Morgans
- .W Billiton Base Metal Prospect - Wartaka

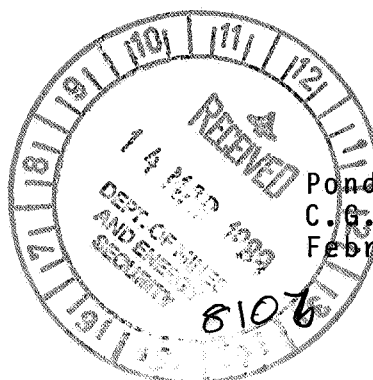
FIGURE 2b. STRATIGRAPHIC COLUMN AND PROSPECT IDENTIFICATION

Ref: 30.43/CGA/SR

EXPLORATION LICENCE NO. 1551
MOONABIE
FIRST QUARTERLY REPORT
FOR THE QUARTER ENDING 28.2.89

Distribution
Department of Mines
Perilya Mines N.L.
Noranda Pty. Ltd.
Pondray Pty. Ltd.

1
1
1
1



Pondray Pty. Ltd.
C.G. Anderson
February, 1989

INTRODUCTION

Exploration Licence No. 1551 covers approximately 602 sq. kms., in the Moonabie area in central Eyre Peninsula (Figure 1). The licence was granted to Pondray Pty. Ltd. on November 30th, 1988 for a six month term, and is operated under a joint venture agreement between Pondray Pty. Ltd., Perilya Mines N.L. (Perth) and Noranda Pty. Ltd. (Canada).

Land use within the licence area is limited to sheep grazing on generally flat, salt-bush covered pasture in the north, and dense, low uncleared scrub in the south.

REGIONAL GEOLOGY

E.L. 1551 is situated near the eastern margin of the Gawler Craton, and covers an area of poorly exposed Hutchison Group metasediments of Lower to mid-Proterozoic age. This sequence of chemical and clastic sediments is commonly correlated with the Willyama Complex in NSW, which hosts the Broken Hill Ag-Pb-Zn ore-bodies.

EXPLORATION TARGETS

The exploration programme to be conducted by the J.V. partners is primarily intended to evaluate the area of E.L. 1551 (and the adjoining E.L. 1532) for economic base-metal mineralisation comparable to the Broken Hill deposits. This programme will be focussed on the western margin of the BIF-bearing Hutchison Group meta-sedimentary sequence, as it is defined in regional aeromagnetic data. Because of the poor exposure within the licence area, it is anticipated that the exploration programme will be heavily dependent upon geophysical and soil geochemical surveying, followed by RAB drilling.

Possibilities for other styles of mineralisation, particularly precious metals, will be evaluated, if appropriate.

WORK COMPLETED DURING THE QUARTER

Exploration activity during the first quarter of the licence included a familiarisation with the area and previous exploration activity. The former involved reconnaissance trips to the area and identification of local land-owners. The latter included a review of all existing open-file material for the area. Although there has been little activity directly related to the interpreted target position, several companies have conducted reconnaissance exploration programmes over the region, the most notable being:-

- . **Shell Australia/Billiton** - base metal search, including some rock-chip sampling of outcrop areas north and east of E.L. 1551. Regional compilations of geological and geophysical data.
- . **Stockdale** - regional diamond sampling programme, including broadly spaced loam samples over most of the licence area. Negotiations are under way to access these samples and assay for base/precious metals.
- . **B.H.P.** - limited drilling programme over a major magnetic anomaly to the north of the licence for iron-ore potential.

A programme of reconnaissance ground magnetic traversing, incorporating selective rock-chip and/or soil sampling was designed and commenced during the later part of the report period and is currently in progress. Details on this programme, including location information and results will be reported in the next quarter.

EXPENDITURE

Expenditure during the quarter totalled \$4,796.00, as detailed in the attached expenditure statement.

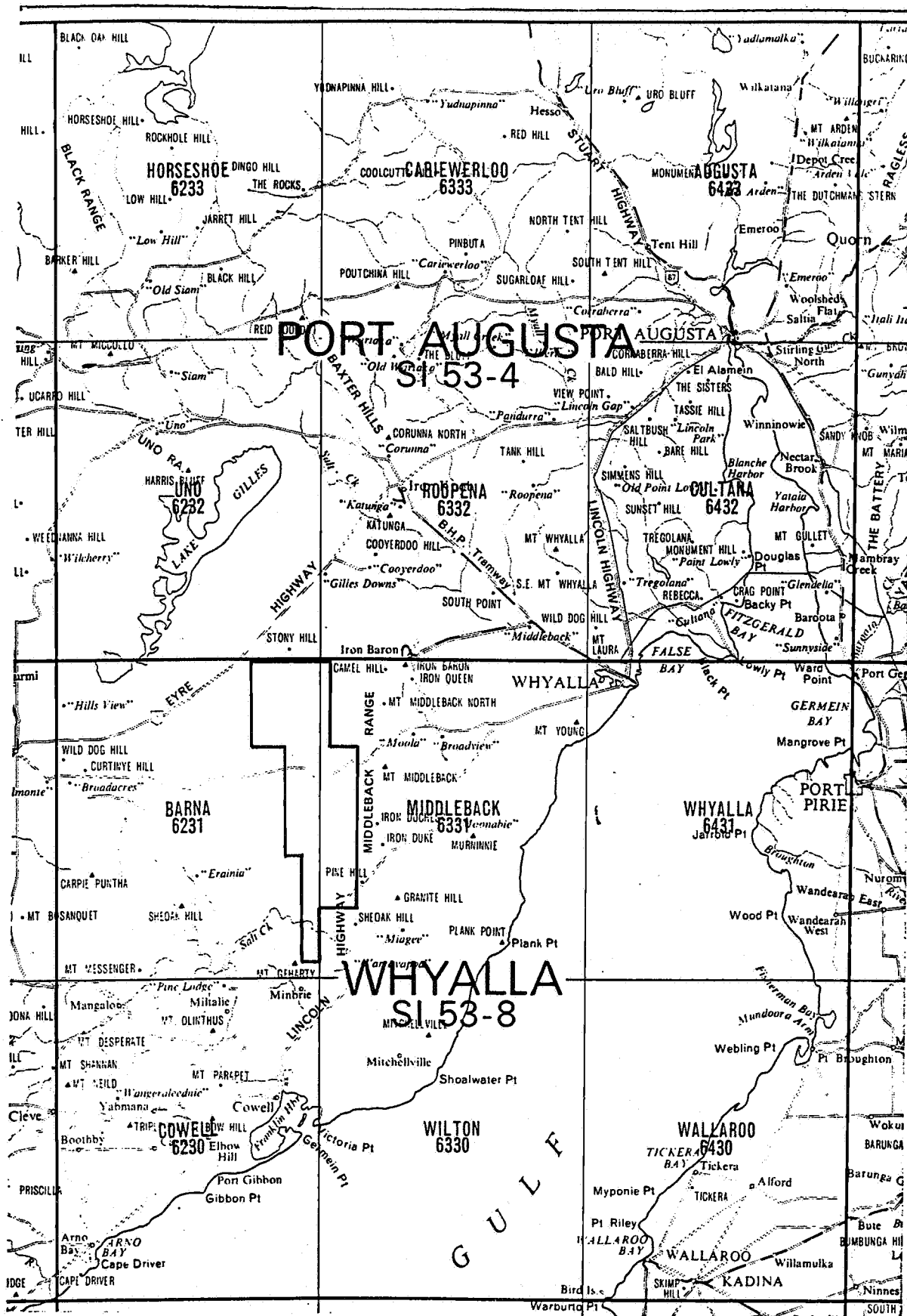
Ref: 30.42/CGA/SR

EXPENDITURE STATEMENT FOR QUARTER
ENDING FEBRUARY 28TH, 1989

TENEMENT: Moonabie
E.L. 1551

LOCATION: Eyre Peninsula, South Australia

1.	Consultants and Tech. Services	\$ 1,900
2.	Geophysics	\$ 263
3.	Travel	\$ 510
4.	Accommodation	\$ 156
5.	Communications/Freight	\$ 46
6.	Data Aquisition	\$ 5
7.	Property Costs	\$ 1,336
8.	Field Costs	
	- Vehicle	\$ 32
9.	Administration	\$ 548
	Total	\$ 4,796



1:50 000 MAP REFERENCE

MOONABIE E.L. 1551
LOCATION AND SHEET REFERENCE

SCALE 1:1,000,000

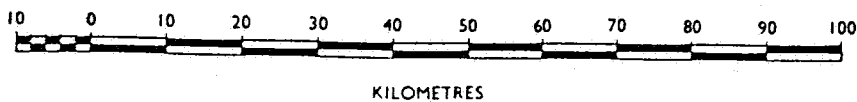


FIGURE 1.

The Director-General,
S.A.D.M.E.
P.O. Box 151,
Eastwood S.A. 5063.

June 13, 1989.

Dear Sir,

Re: Quarterly Report for E.L. 1532
(Lake Gilles) and E.L. 1551
(Moonachie) for period ending
May 30th., 1989.

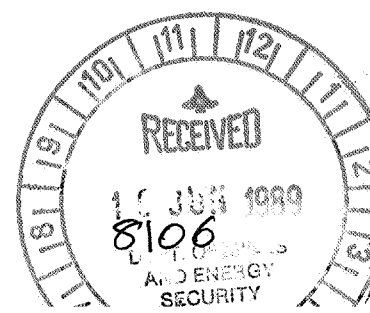
Exploration Licence Nos. 1532 and 1551 were granted to Pondray Pty. Ltd. on October 26th. and November 30th., 1988, respectively and are the subject of a joint venture agreement between Pondray, Perilya Mines N.L. and Noranda Ltd. The licences were initially granted for a six month period, and have subsequently been renewed for a further six months.

During the second quarter of the licence term(s), field work was commenced in three main target positions- the "Pickaxe Dam" and the "Burkitt" areas on E.L.1532 and the "Ironstone Hill" area on E.L.1551. Locations for reconnaissance traverses in these areas are shown in Figures 3 and 4 respectively. Traverse lines were pegged at 100 metre intervals, and read at 10 metre intervals with Geometrics 856 digital total field magnetometers. Surface soil samples were taken at 50 metre intervals and submitted to Analabs (Adelaide) for assay. A limited programme of Induced Polarisation surveying was also undertaken as a test of the technique's ability to detect subsurface sulphide distribution.

These programmes were all carried out under contract, by Search Exploration Services (Adelaide) and statistics for each area are as follows-

<u>Prospect</u>	<u>E.L.</u>	<u>Gridding and</u> <u>Magnetics</u>	<u>Soil</u> <u>Samples</u>	<u>I.P.</u>	<u>Assay</u> <u>Elements</u>
Pickaxe Dam	1532	16 line kms.	323	1.6kms	Cu,Pb,Zn,As
Burkitt	1532	9 line kms.	183	-	Cu,Pb,Zn, As,Au.
Ironstone Hill	1551	8 line kms.	163	0.6kms	Cu,Pb,Zn,As

In addition to these field programmes, work has continued on the compilation of pre-existing exploration data in the area, prior to selecting areas for testing with Rotary Air Blast (RAB) drill traverses.



Although results from the field programme have not yet been compiled, initial impressions are that the target aeromagnetic features have been successfully located, and the soil sampling programme shows some anomalous areas which may reflect base metal concentrations within the concealed basement. The IP technique has been only marginally successful in penetrating the recent sedimentary cover. These results will be reported in full in the following quarterly reports, as they are combined with other information and RAB traverses.

Expenditure for the quarter totalled \$32,024 (E.L.1532 \$21351 and E.L.1551 \$10673) as detailed in the attached expenditure statements.

Yours Faithfully,

A handwritten signature in dark ink, appearing to read 'C.G. Anderson', with a long horizontal flourish extending to the right.

C.G. Anderson.

EXPENDITURE STATEMENT FOR QUARTER
ENDING MAY 30TH., 1989

TENEMENT: Lake Gilles
E.L.1532

LOCATION: Eyre Peninsula, South Australia.

1.	Consultants and Tech. Services	
	- geochem./assay.	\$ 3,750
	- geology	\$ 4,766
	- geophysics	\$ 4,700
	- gridding and survey	\$ 3,242
2.	Salary and wages	\$ 167
3.	Travel	\$ 1,095
4.	Accomodation	\$ 565
5.	Communications/Freight	\$ 35
6.	Data Acquisition	\$ 173
7.	Property Costs	\$ -
8.	Field Costs	\$ -
9.	Administration	\$ 2,858

	<u>Total</u>	\$21,351

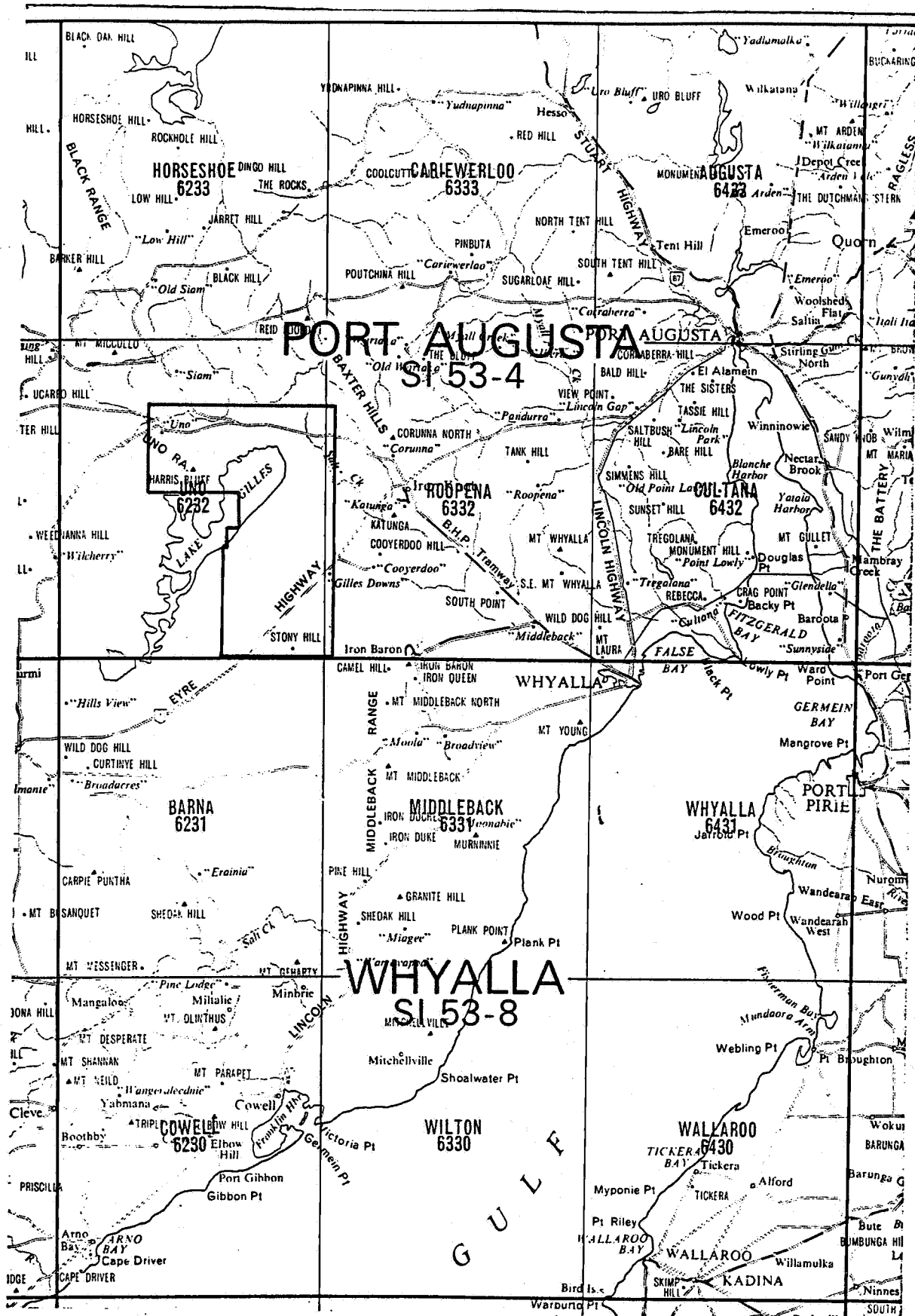
EXPENDITURE STATEMENT FOR QUARTER
ENDING MAY 30TH., 1989

TENEMENT: Moonabie
 E.L.1551

LOCATION: Eyre Peninsula, South Australia.

1.	Consultants and Tech. Services	
	- geochem./assay,	\$ 1,874
	- geology	\$ 2,382
	- geophysics	\$ 2,349
	- gridding and survey	\$ 1,620
2.	Salary and wages	\$ 83
3.	Travel	\$ 548
4.	Accomodation	\$ 283
5.	Communications/Freight	\$ 18
6.	Data Acquisition	\$ 86
7.	Property Costs	\$ -
8.	Field Costs	\$ -
9.	Administration	\$ 1,430

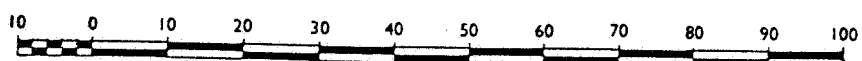
Total \$10,673



1:50 000 MAP REFERENCE

LAKE GILLES E.L. 1532
LOCATION AND SHEET REFERENCE

SCALE 1:1,000,000

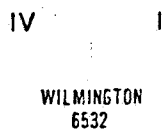


KILOMETRES

FIGURE 1.



SCALE 1:1,000,000



1111 11

FIGURE 2 .

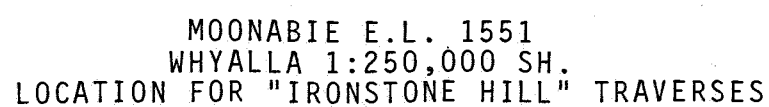


FIGURE 4

**LAKE GILLES
JOINT VENTURE**

**QUARTERLY REPORT
FOR EL 1532
(LAKE GILLES) AND EL
1551 (MOONABIE) FOR
THE PERIOD ENDING
30 AUGUST 1989**

S Thornett

**Perilya Mines N.L.
9th Floor
5 Mill Street
Perth WA 6000**



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18	Induced Polarisation and Resistivity Survey - Ironstone Hill Line 2	1: 5,000

1. INTRODUCTION

Exploration Licences 1532 (Lake Gilles) and 1551 (Moonabie) are located in the Eyre Peninsular region and were granted to Pondray Pty Ltd on October 26th and November 30th 1988 respectively. The tenements are subject to a joint venture between Pondray, Perilya Mines N.L. and Noranda Pty Limited, with Perilya carrying out exploration during this quarter. Tenement locations are shown on Figure 1.

2. WORK CARRIED OUT

Figures 2 and 3 show the 9 traverse lines on which exploration in the area has focused. The following work has been completed:-

2.1 GEOPHYSICS

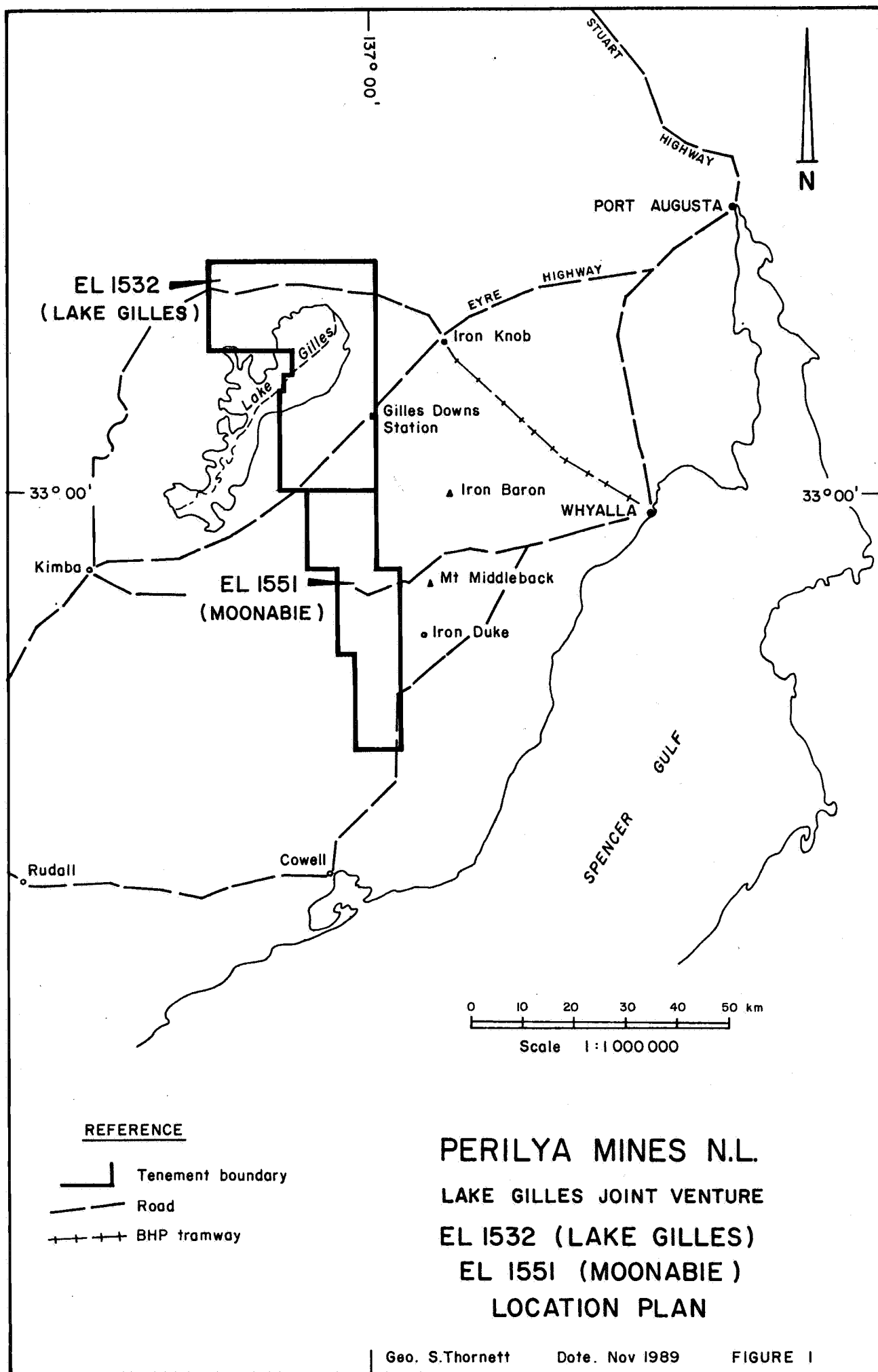
2.1.1 Ground Magnetometer Survey

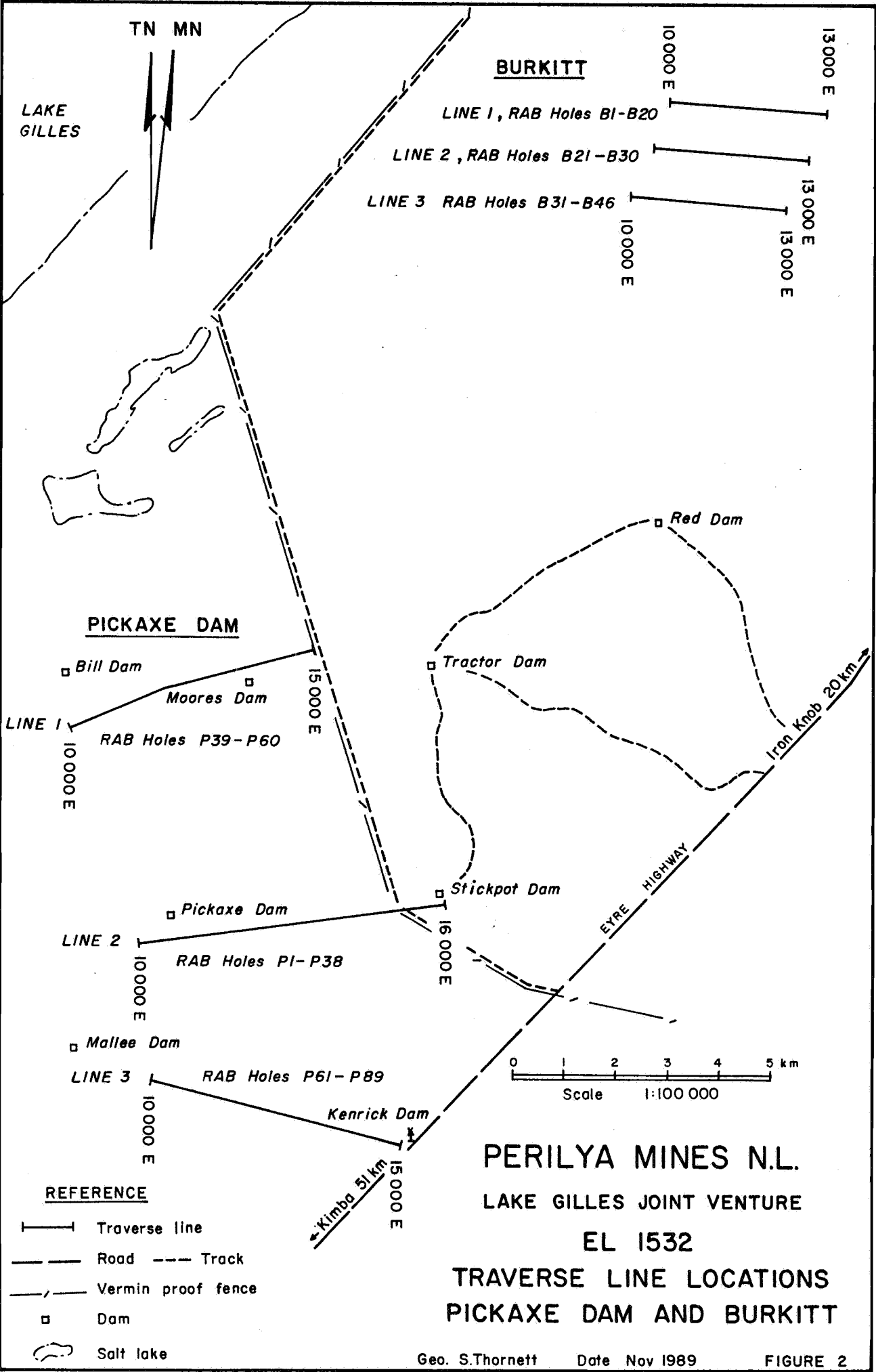
Data from ground magnetometer surveys carried out during the previous quarter on 3 lines at Burkitt, 3 lines at Pickaxe Dam and 2 lines at Ironstone Hill were plotted as profiles at 1:25,000 scale (see Figures 4 to 9). The raw data are listed in Appendix 1.

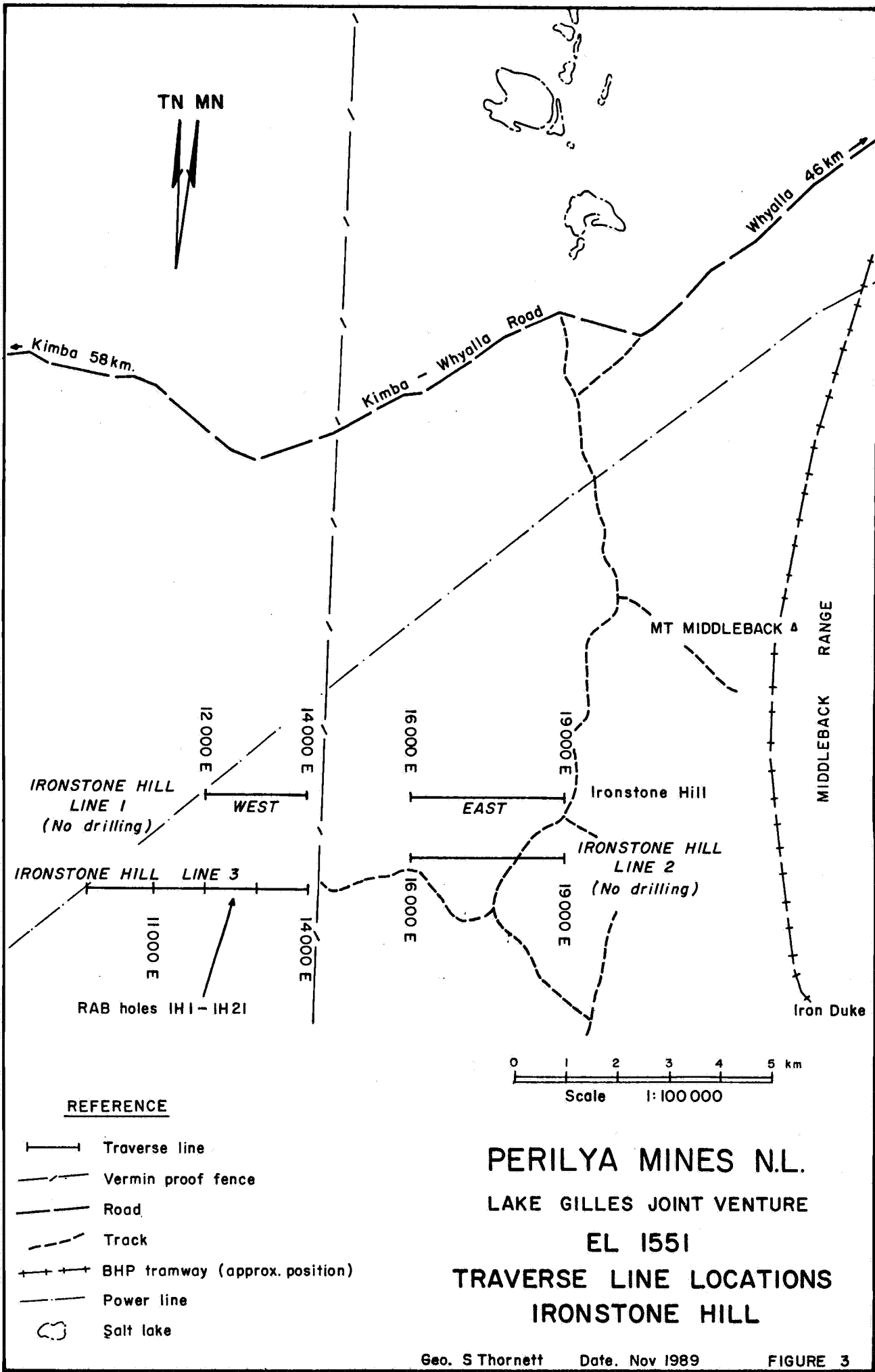
In general, the ground magnetometer survey profiles correlated well with the regional aeromagnetic contour information which was used in initial selection of traverse lines. A small peak on the western end of Ironstone Hill Line 1 (at around 12900E) was interpreted to correspond with the northern tip of a small north-south magnetic body evident in the regional aeromagnetic contours. A third Ironstone Hill line was subsequently planned to cover the centre of this regional anomaly and 100m spaced RAB holes were designed to test its extent and source.

2.1.2 Induced Polarisation Surveys

Induced polarisation surveys were conducted on two lines in the Pickaxe Dam area (T2 and T3) and one line in the Ironstone Hill area (IH2), in an attempt to define possible zones of sulphide response. The surveys were conducted by Search Exploration Services, using a Huntec Mk. IV receiver, in time domain mode. Dipole-dipole surveys (100 metre dipole) were considered to be the best array geometry for the reconnaissance lines.







Pickaxe Dam

Results from two sections at Pickaxe Dam (Figures 16 and 17) show very low resistivity and chargeability values, indicating that the technique is not effective in penetrating recent cover and weathered basement. Small variations in chargeability are therefore not considered to reflect possible basement targets.

Ironstone Hill

A single "set-up" of electrodes on Line IH2 covered the interval from 17300E to 17800E (Figure 18). A weak chargeability high is evident from approximately 17350E to 17450E, but the zone is coincident with elevated resistivities, suggesting a probable formational response rather than disseminated sulphide.

2.2 GEOCHEMISTRY

Cu, Pb and Zn analyses obtained from soil sampling on the above 8 traverse lines were plotted as profiles (Figures 10 to 15). Gold assays of >0.002 ppm were added to the Burkitt plan (Figure 10). Arsenic values were extremely low throughout the area (maximum value 19ppm with most analyses <3 ppm) and were not plotted. All geochemical results for the soil sampling programme are included as Appendix 2.

2.3 COMPILATION OF PAST EXPLORATION DATA

A full review of past exploration data was completed. This included re-contouring of analyses for Cu, Pb, Zn, Fe and Mn carried out by Shell on loam samples collected by Stockdale and examination of the results of all previous drilling in the area.

2.4 RAB DRILLING

Selection of areas for drilling was based on the presence of anomalous geochemical results (from either the current sampling traverses or from past exploration) and/or favourable position on the ground magnetic profiles.

Minor clearing of drill lines was necessary in EL 1532 and this was carried out by the local landowner (Corunna Downs Station). In EL 1551 thick mallee scrub made access virtually impossible and clearing was necessary to allow

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drilling on Ironstone Hill Line 3. This new line was also marked out with grid pegs.

A total of 3,245m of rotary air blast drilling in 162 holes was completed between 14th and 28th August. The drilling was carried out by Thompson Drilling of Regency Park, South Australia using a T1000 rotary air/mud rig mounted on a 6x6 Man truck. The RAB holes aimed to test weathered bedrock and this was usually achieved. Some holes were stopped due to difficulty in penetrating an extremely hard silcrete layer at around 3-4m below ground surface (particularly on Pickaxe Dam Line 2). On these occasions the rig was moved 50m and usually succeeded in penetrating the layer. Most holes contained damp clays but there were very few problems with high water flow.

Grab samples of weathered or fresh bedrock chips were collected from the lower sections of the holes (commonly as 2 or 3m composites).

All drill logs and results of geochemistry will be submitted in the next quarterly report.

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3. EXPENDITURE**3.1 EL 1532 - LAKE GILLES**

FOR THE PERIOD 27 APRIL 1989 TO 26 JULY 1989

Accounting	335.00
Bank Charges	12.30
Wages - Technical	-
Wages - Field Hands	-
Analyses	-
Geological Consultants	1,365.13
Geophysics	234.50
Surveying and Gridding	-
Drafting and Printing	-
Tenement Fees and Rents	-
Tenement Acquisition Costs	1,635.00
Travel	-
Accommodation and Meals	-
Drafting Supplies, Photocopying and Printing	70.18
Communications	317.00
Office Services and Supplies	28.14
Data Acquisition	959.50
Overheads	704.17
Joint Venture Contributions	-
Field Work - Materials and Equipment	-
Vehicle Operating Costs	-
Vehicle Hire	988.99
Drilling	-
Roads and Tracks	-
Freight and Couriers	-
TOTAL	<u>\$6,649.91</u>

3.2 EL 1551 - MOONABIE

FOR THE PERIOD 31 MAY 1989 TO 30 AUGUST 1989

Accounting	123.75
Bank Charges	3.75
Wages - Technical	-
Wages - Field Hands	508.20
Analyses	-
Geological Consultants	3,481.50
Geophysics	-
Surveying and Gridding	-
Drafting and Printing	-
Tenement Fees and Rents	-
Tenement Acquisition Costs	805.30
Travel	13.86
Accommodation and Meals	374.55
Drafting Supplies, Photocopying and Printing	42.43
Communications	156.14
Office Services and Supplies	16.07
Data Acquisition	382.82
Overheads	1,850.47
Joint Venture Contributions	-
Field Work - Materials and Equipment	109.31
Vehicle Operating Costs	118.01
Vehicle Hire	487.11
Drilling	5,876.15
Roads and Tracks	453.75
Freight and Couriers	-
TOTAL	\$14,803.17

APPENDIX 1**Ground Magnetometer Survey - Data Listing**

BURKITT AREA

LINE 1 (Y Coordinate = 800)

LINE 2 (Y Coordinate = 400)

LINE 3 (Y Coordinate = 0)

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	800	58737.1	10600	800	58651.6	11200	800	58592.5
10010	800	58742.9	10610	800	58839.9	11210	800	58605.7
10020	800	58731.3	10620	800	59087.1	11220	800	58613.8
10030	800	58720.8	10630	800	58900.5	11230	800	58633.7
10040	800	58697.6	10640	800	58686.5	11240	800	58632.1
10050	800	58689.2	10650	800	58597.4	11250	800	58642.7
10060	800	58678.0	10660	800	58562.1	11260	800	58660.0
10070	800	58671.5	10670	800	58546.4	11270	800	58661.1
10080	800	58670.0	10680	800	58554.9	11280	800	58664.0
10090	800	58654.8	10690	800	58570.5	11290	800	58672.4
10100	800	58645.7	10700	800	58579.5	11300	800	58671.4
10110	800	58635.9	10710	800	58566.7	11310	800	58682.0
10120	800	58622.5	10720	800	58581.1	11320	800	58680.8
10130	800	58653.0	10730	800	58633.5	11330	800	58681.8
10140	800	58614.1	10740	800	58616.2	11340	800	58682.3
10150	800	58608.2	10750	800	58598.0	11350	800	58680.6
10160	800	58596.8	10760	800	58588.0	11360	800	58678.1
10170	800	58581.2	10770	800	58585.2	11370	800	58675.0
10180	800	58573.4	10780	800	58603.7	11380	800	58669.0
10190	800	58570.0	10790	800	58650.4	11390	800	58665.9
10200	800	58562.6	10800	800	58707.1	11400	800	58663.8
10210	800	58557.7	10810	800	58844.6	11410	800	58661.8
10220	800	58547.6	10820	800	59126.6	11420	800	58659.9
10230	800	58539.9	10830	800	59325.2	11430	800	58657.7
10240	800	58531.4	10840	800	59437.4	11440	800	58655.2
10250	800	58519.1	10850	800	59449.5	11450	800	58650.3
10260	800	58512.6	10860	800	59411.0	11460	800	58647.9
10270	800	58509.3	10870	800	59429.9	11470	800	58645.9
10280	800	58509.3	10880	800	59289.9	11480	800	58648.6
10290	800	58503.6	10890	800	59065.8	11490	800	58645.7
10300	800	58502.2	10900	800	58956.0	11500	800	58640.3
10310	800	58509.5	10910	800	58891.3	11510	800	58633.1
10320	800	58524.3	10920	800	58862.4	11520	800	58631.2
10330	800	58550.2	10930	800	58844.4	11530	800	58623.1
10340	800	58561.3	10940	800	58823.4	11540	800	58617.7
10350	800	58571.4	10950	800	58797.6	11550	800	58616.3
10360	800	58568.0	10960	800	58765.5	11560	800	58612.4
10370	800	58561.9	10970	800	58728.2	11570	800	58613.5
10380	800	58565.8	10980	800	58697.6	11580	800	58612.9
10390	800	58569.5	10990	800	58664.0	11590	800	58608.1
10400	800	58572.9	11000	800	58638.6	11600	800	58610.3
10410	800	58574.2	11010	800	58616.6	11610	800	58607.3
10420	800	58579.9	11020	800	58606.3	11620	800	58603.8
10430	800	58574.5	11030	800	58591.8	11630	800	58594.2
10440	800	58575.8	11040	800	58576.1	11640	800	58585.3
10450	800	58565.0	11050	800	58566.4	11650	800	58586.4
10460	800	58547.7	11060	800	58551.9	11660	800	58579.3
10470	800	58534.3	11070	800	58546.5	11670	800	58577.4
10480	800	58523.9	11080	800	58545.7	11680	800	58566.5
10490	800	58518.5	11090	800	58539.2	11690	800	58561.2
10500	800	58510.5	11100	800	58541.7	11700	800	58554.5
10510	800	58502.0	11110	800	58537.6	11710	800	58541.4
10520	800	58490.3	11120	800	58531.4	11720	800	58534.8
10530	800	58480.1	11130	800	58538.3	11730	800	58526.1
10540	800	58467.6	11140	800	58548.9	11740	800	58535.9
10550	800	58468.6	11150	800	58551.8	11750	800	58536.1
10560	800	58465.1	11160	800	58554.9	11760	800	58528.8
10570	800	58465.6	11170	800	58562.0	11770	800	58509.7
10580	800	58479.9	11180	800	58575.1	11780	800	58505.1
10590	800	58519.8	11190	800	58579.1	11790	800	58492.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
11800	800	58488.6	12400	800	58455.7	13000	800	58600.1
11810	800	58491.1	12410	800	58453.4	10000	400	58640.4
11820	800	58489.5	12420	800	58471.0	10010	400	58588.7
11830	800	58489.1	12430	800	58490.9	10020	400	58586.5
11840	800	58481.1	12440	800	58484.9	10030	400	58609.7
11850	800	58476.1	12450	800	58471.3	10040	400	58627.3
11860	800	58488.2	12460	800	58473.4	10050	400	58620.8
11870	800	58475.5	12470	800	58478.6	10060	400	58611.3
11880	800	58476.0	12480	800	58483.6	10070	400	58617.0
11890	800	58470.7	12490	800	58486.6	10080	400	58641.6
11900	800	58473.2	12500	800	58488.6	10090	400	58633.9
11910	800	58476.8	12510	800	58519.2	10100	400	58653.0
11920	800	58473.0	12520	800	58496.7	10110	400	58666.4
11930	800	58479.2	12530	800	58476.6	10120	400	58654.2
11940	800	58482.6	12540	800	58467.1	10130	400	58668.4
11950	800	58477.3	12550	800	58469.6	10140	400	58708.5
11960	800	58473.6	12560	800	58449.6	10150	400	58685.6
11970	800	58472.1	12570	800	58428.1	10160	400	58644.8
11980	800	58473.0	12580	800	58419.3	10170	400	58623.2
11990	800	58474.0	12590	800	58408.3	10180	400	58613.4
12000	800	58473.0	12600	800	58381.0	10190	400	58578.5
12010	800	58477.2	12610	800	58388.6	10200	400	58572.2
12020	800	58478.8	12620	800	58401.3	10210	400	58563.7
12030	800	58488.4	12630	800	58391.9	10220	400	58563.1
12040	800	58497.6	12640	800	58389.9	10230	400	58573.8
12050	800	58503.3	12650	800	58375.4	10240	400	58562.1
12060	800	58513.6	12660	800	58354.6	10250	400	58549.2
12070	800	58520.8	12670	800	58328.0	10260	400	58540.5
12080	800	58534.3	12680	800	58306.7	10270	400	58539.6
12090	800	58542.2	12690	800	58283.4	10280	400	58542.8
12100	800	58550.2	12700	800	58191.8	10290	400	58545.0
12110	800	58562.1	12710	800	58197.3	10300	400	58546.3
12120	800	58573.0	12720	800	58793.4	10310	400	58545.0
12130	800	58588.9	12730	800	59787.6	10320	400	58541.0
12140	800	58614.9	12740	800	59155.4	10330	400	58546.1
12150	800	58645.0	12750	800	58971.0	10340	400	58555.9
12160	800	58694.4	12760	800	58845.3	10350	400	58562.1
12170	800	58730.1	12770	800	58786.4	10360	400	58552.6
12180	800	58755.5	12780	800	58744.8	10370	400	58540.2
12190	800	58772.3	12790	800	58706.1	10380	400	58537.8
12200	800	58775.4	12800	800	58670.2	10390	400	58542.2
12210	800	58768.7	12810	800	58655.0	10400	400	58546.6
12220	800	58713.4	12820	800	58645.9	10410	400	58552.8
12230	800	58659.8	12830	800	58655.3	10420	400	58562.4
12240	800	58606.2	12840	800	58651.8	10430	400	58562.3
12250	800	58565.7	12850	800	58710.1	10440	400	58576.6
12260	800	58532.8	12860	800	58884.4	10450	400	58573.1
12270	800	58507.5	12870	800	58942.1	10460	400	58579.4
12280	800	58477.9	12880	800	58990.5	10470	400	58594.6
12290	800	58467.1	12890	800	58925.8	10480	400	58604.6
12300	800	58450.2	12900	800	58865.0	10490	400	58623.2
12310	800	58443.7	12910	800	58817.5	10500	400	58642.7
12320	800	58430.4	12920	800	58781.8	10510	400	58662.0
12330	800	58420.0	12930	800	58761.3	10520	400	58689.0
12340	800	58396.7	12940	800	58739.1	10530	400	58714.3
12350	800	58375.8	12950	800	58713.4	10540	400	58737.5
12360	800	58366.2	12960	800	58701.7	10550	400	58753.2
12370	800	58355.3	12970	800	58689.0	10560	400	58765.4
12380	800	58371.9	12980	800	58620.1	10570	400	58779.6
12390	800	58456.4	12990	800	58600.5	10580	400	58788.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
10590	400	58802.1	11190	400	58770.4	11790	400	58784.6
10600	400	58809.2	11200	400	58765.5	11800	400	58771.7
10610	400	58818.0	11210	400	58751.6	11810	400	58753.1
10620	400	58828.9	11220	400	58746.2	11820	400	58745.8
10630	400	58835.4	11230	400	58731.8	11830	400	58734.8
10640	400	58825.1	11240	400	58724.2	11840	400	58725.1
10650	400	58806.2	11250	400	58720.6	11850	400	58710.2
10660	400	58782.0	11260	400	58720.7	11860	400	58698.5
10670	400	58762.4	11270	400	58719.9	11870	400	58696.5
10680	400	58738.1	11280	400	58718.4	11880	400	58695.8
10690	400	58710.2	11290	400	58710.8	11890	400	58682.9
10700	400	58691.3	11300	400	58702.2	11900	400	58678.6
10710	400	58674.0	11310	400	58680.9	11910	400	58685.5
10720	400	58656.7	11320	400	58660.4	11920	400	58675.8
10730	400	58641.4	11330	400	58642.3	11930	400	58674.2
10740	400	58624.7	11340	400	58636.2	11940	400	58666.0
10750	400	58613.1	11350	400	58640.1	11950	400	58657.0
10760	400	58613.8	11360	400	58646.2	11960	400	58648.5
10770	400	58607.6	11370	400	58641.9	11970	400	58655.1
10780	400	58604.5	11380	400	58630.3	11980	400	58642.4
10790	400	58599.1	11390	400	58618.7	11990	400	58628.0
10800	400	58608.7	11400	400	58611.3	12000	400	58620.0
10810	400	58617.3	11410	400	58609.6	12010	400	58611.1
10820	400	58626.5	11420	400	58606.5	12020	400	58604.5
10830	400	58638.6	11430	400	58600.3	12030	400	58598.8
10840	400	58645.7	11440	400	58591.3	12040	400	58590.4
10850	400	58660.2	11450	400	58587.4	12050	400	58591.9
10860	400	58667.7	11460	400	58587.6	12060	400	58591.6
10870	400	58677.1	11470	400	58585.0	12070	400	58601.1
10880	400	58682.4	11480	400	58580.5	12080	400	58602.0
10890	400	58708.2	11490	400	58574.9	12090	400	58600.9
10900	400	58717.4	11500	400	58582.3	12100	400	58595.5
10910	400	58731.4	11510	400	58589.2	12110	400	58582.2
10920	400	58730.6	11520	400	58589.5	12120	400	58582.5
10930	400	58754.2	11530	400	58618.5	12130	400	58566.3
10940	400	58752.3	11540	400	58625.9	12140	400	58557.4
10950	400	58750.6	11550	400	58626.0	12150	400	58555.3
10960	400	58744.6	11560	400	58628.6	12160	400	58541.8
10970	400	58736.9	11570	400	58621.0	12170	400	58542.5
10980	400	58732.8	11580	400	58605.8	12180	400	58529.7
10990	400	58723.1	11590	400	58599.8	12190	400	58512.9
11000	400	58715.0	11600	400	58585.3	12200	400	58495.5
11010	400	58701.1	11610	400	58567.4	12210	400	58499.0
11020	400	58692.1	11620	400	58555.9	12220	400	58506.3
11030	400	58690.5	11630	400	58555.7	12230	400	58513.6
11040	400	58687.4	11640	400	58556.8	12240	400	58633.8
11050	400	58688.9	11650	400	58557.3	12250	400	59158.9
11060	400	58696.1	11660	400	58567.4	12260	400	59316.5
11070	400	58704.2	11670	400	58580.7	12270	400	59243.6
11080	400	58713.5	11680	400	58602.3	12280	400	59470.0
11090	400	58721.2	11690	400	58616.2	12290	400	59255.7
11100	400	58725.5	11700	400	58627.9	12300	400	59670.2
11110	400	58730.7	11710	400	58655.5	12310	400	59256.5
11120	400	58743.5	11720	400	58707.3	12320	400	59115.5
11130	400	58742.2	11730	400	58846.1	12330	400	59034.1
11140	400	58748.5	11740	400	59257.7	12340	400	58979.0
11150	400	58756.9	11750	400	59557.5	12350	400	58937.5
11160	400	58765.6	11760	400	59185.2	12360	400	58903.2
11170	400	58774.2	11770	400	58941.4	12370	400	58862.1
11180	400	58776.0	11780	400	58831.1	12380	400	58848.8

X	Y	MAG	X	Y	MAG	X	Y	MAG
12390	400	58824.3	12990	400	58515.7	10580	0	58641.3
12400	400	58811.7	13000	400	58525.7	10590	0	58638.5
12410	400	58796.3	10000	0	58625.4	10600	0	58654.0
12420	400	58796.1	10010	0	58637.0	10610	0	58647.0
12430	400	58789.3	10020	0	58638.7	10620	0	58641.8
12440	400	58781.3	10030	0	58651.4	10630	0	58636.7
12450	400	58785.5	10040	0	58658.2	10640	0	58630.4
12460	400	58791.8	10050	0	58658.0	10650	0	58628.9
12470	400	58801.5	10060	0	58665.3	10660	0	58625.9
12480	400	58806.7	10070	0	58666.6	10670	0	58631.0
12490	400	58808.8	10080	0	58677.0	10680	0	58637.9
12500	400	58796.1	10090	0	58676.2	10690	0	58639.2
12510	400	58782.5	10100	0	58687.9	10700	0	58646.5
12520	400	58777.4	10110	0	58687.8	10710	0	58657.2
12530	400	58774.0	10120	0	58687.6	10720	0	58666.4
12540	400	58773.0	10130	0	58699.8	10730	0	58677.1
12550	400	58771.8	10140	0	58683.6	10740	0	58691.7
12560	400	58766.4	10150	0	58675.2	10750	0	58710.2
12570	400	58764.4	10160	0	58663.7	10760	0	58724.9
12580	400	58748.3	10170	0	58654.5	10770	0	58733.2
12590	400	58720.6	10180	0	58646.8	10780	0	58736.3
12600	400	58705.4	10190	0	58632.6	10790	0	58738.8
12610	400	58694.7	10200	0	58613.9	10800	0	58736.2
12620	400	58678.7	10210	0	58600.9	10810	0	58731.7
12630	400	58668.5	10220	0	58591.9	10820	0	58727.1
12640	400	58665.4	10230	0	58582.0	10830	0	58726.3
12650	400	58667.5	10240	0	58577.1	10840	0	58725.1
12660	400	58660.2	10250	0	58576.0	10850	0	58723.9
12670	400	58656.6	10260	0	58569.9	10860	0	58715.0
12680	400	58659.4	10270	0	58565.2	10870	0	58700.8
12690	400	58655.5	10280	0	58572.3	10880	0	58673.8
12700	400	58671.9	10290	0	58577.5	10890	0	59014.7
12710	400	58675.4	10300	0	58568.4	10900	0	58857.3
12720	400	58684.3	10310	0	58562.2	10910	0	58744.0
12730	400	58677.1	10320	0	58561.2	10920	0	58699.8
12740	400	58668.4	10330	0	58565.7	10930	0	58682.8
12750	400	58669.2	10340	0	58579.1	10940	0	58681.1
12760	400	58668.3	10350	0	58589.1	10950	0	58687.8
12770	400	58652.9	10360	0	58584.4	10960	0	58688.8
12780	400	58637.1	10370	0	58592.3	10970	0	58687.5
12790	400	58622.2	10380	0	58589.4	10980	0	58689.1
12800	400	58613.7	10390	0	58594.2	10990	0	58687.1
12810	400	58594.4	10400	0	58597.3	11000	0	58684.4
12820	400	58584.7	10410	0	58602.0	11010	0	58697.1
12830	400	58568.9	10420	0	58607.5	11020	0	58685.4
12840	400	58562.2	10430	0	58615.4	11030	0	58662.3
12850	400	58558.6	10440	0	58617.7	11040	0	58652.7
12860	400	58556.3	10450	0	58610.4	11050	0	58647.3
12870	400	58553.3	10460	0	58607.1	11060	0	58650.9
12880	400	58550.2	10470	0	58611.3	11070	0	58651.6
12890	400	58545.1	10480	0	58602.8	11080	0	58654.8
12900	400	58531.9	10490	0	58602.3	11090	0	58650.3
12910	400	58526.8	10500	0	58608.7	11100	0	58657.2
12920	400	58524.9	10510	0	58621.2	11110	0	58661.3
12930	400	58524.0	10520	0	58638.7	11120	0	58658.2
12940	400	58527.7	10530	0	58647.7	11130	0	58676.9
12950	400	58526.1	10540	0	58650.5	11140	0	58684.1
12960	400	58535.2	10550	0	58665.1	11150	0	58700.7
12970	400	58523.2	10560	0	58662.3	11160	0	58705.8
12980	400	58521.2	10570	0	58651.2	11170	0	58712.0

X	Y	MAG	X	Y	MAG	X	Y	MAG
11180	0	58726.6	11780	0	58790.4	12380	0	59459.8
11190	0	58727.3	11790	0	58800.1	12390	0	59163.6
11200	0	58734.2	11800	0	58828.2	12400	0	59035.9
11210	0	58743.8	11810	0	58809.9	12410	0	58953.3
11220	0	58744.8	11820	0	58812.1	12420	0	58906.9
11230	0	58746.1	11830	0	58823.2	12430	0	58874.9
11240	0	58750.9	11840	0	58827.5	12440	0	58849.8
11250	0	58750.8	11850	0	58800.9	12450	0	58840.9
11260	0	58749.7	11860	0	58779.4	12460	0	58828.8
11270	0	58745.9	11870	0	58773.7	12470	0	58811.5
11280	0	58743.4	11880	0	58768.4	12480	0	58801.0
11290	0	58739.1	11890	0	58782.7	12490	0	58796.4
11300	0	58741.0	11900	0	58788.5	12500	0	58788.5
11310	0	58739.2	11910	0	58792.4	12510	0	58788.6
11320	0	58740.1	11920	0	58781.4	12520	0	58809.1
11330	0	58734.8	11930	0	58772.2	12530	0	58790.5
11340	0	58721.6	11940	0	58746.1	12540	0	58770.3
11350	0	58717.7	11950	0	58736.3	12550	0	58759.2
11360	0	58716.9	11960	0	58734.1	12560	0	58760.6
11370	0	58719.4	11970	0	58732.8	12570	0	58760.1
11380	0	58722.1	11980	0	58728.6	12580	0	58767.5
11390	0	58717.5	11990	0	58730.6	12590	0	58759.5
11400	0	58707.1	12000	0	58735.2	12600	0	58747.9
11410	0	58696.6	12010	0	58733.3	12610	0	58727.4
11420	0	58696.6	12020	0	58732.0	12620	0	58719.1
11430	0	58689.7	12030	0	58739.2	12630	0	58702.6
11440	0	58721.1	12040	0	58746.4	12640	0	58707.4
11450	0	58833.0	12050	0	58728.4	12650	0	58706.2
11460	0	58784.0	12060	0	58726.2	12660	0	58701.8
11470	0	58793.2	12070	0	58725.9	12670	0	58702.2
11480	0	58747.1	12080	0	58723.9	12680	0	58702.3
11490	0	58711.0	12090	0	58726.9	12690	0	58693.6
11500	0	58661.2	12100	0	58730.8	12700	0	58682.8
11510	0	58708.8	12110	0	58734.6	12710	0	58675.6
11520	0	58713.9	12120	0	58739.0	12720	0	58671.3
11530	0	58710.3	12130	0	58744.7	12730	0	58675.9
11540	0	58714.3	12140	0	58755.4	12740	0	58663.0
11550	0	58724.3	12150	0	58766.1	12750	0	58665.4
11560	0	58730.7	12160	0	58770.4	12760	0	58662.2
11570	0	58735.0	12170	0	58768.2	12770	0	58666.0
11580	0	58741.0	12180	0	58775.0	12780	0	58663.7
11590	0	58743.5	12190	0	58783.1	12790	0	58659.0
11600	0	58763.2	12200	0	58791.8	12800	0	58659.5
11610	0	58770.7	12210	0	58813.9	12810	0	58652.9
11620	0	58798.5	12220	0	58820.3	12820	0	58646.0
11630	0	58814.7	12230	0	58844.0	12830	0	58634.2
11640	0	58798.7	12240	0	58872.2	12840	0	58621.5
11650	0	58801.1	12250	0	58890.8	12850	0	58615.8
11660	0	58775.7	12260	0	58898.6	12860	0	58614.9
11670	0	58771.0	12270	0	58907.9	12870	0	58614.0
11680	0	58776.8	12280	0	58928.4	12880	0	58603.5
11690	0	58780.7	12290	0	58933.6	12890	0	58601.8
11700	0	58775.9	12300	0	58948.1	12900	0	58596.2
11710	0	58793.4	12310	0	58950.6	12910	0	58592.7
11720	0	58808.4	12320	0	58965.2	12920	0	58587.2
11730	0	58817.2	12330	0	59000.0	12930	0	58583.7
11740	0	58794.8	12340	0	59053.1	12940	0	58579.5
11750	0	58774.1	12350	0	59108.2	12950	0	58576.0
11760	0	58772.7	12360	0	59189.6	12960	0	58572.8
11770	0	58782.5	12370	0	59754.2	12970	0	58565.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
12980	0	58554.4						
12990	0	58540.7						
13000	0	58521.5						

PICKAXE DAM

LINE 1

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	0	58170.3	10600	0	58165.4	11200	0	58159.1
10010	0	58174.6	10610	0	58164.2	11210	0	58174.7
10020	0	58170.7	10620	0	58162.1	11220	0	58182.1
10030	0	58173.0	10630	0	58162.7	11230	0	58183.7
10040	0	58173.5	10640	0	58163.1	11240	0	58192.8
10050	0	58174.5	10650	0	58163.7	11250	0	58206.3
10060	0	58177.4	10660	0	58160.5	11260	0	58212.4
10070	0	58171.8	10670	0	58157.5	11270	0	58230.5
10080	0	58169.0	10680	0	58161.2	11280	0	58253.2
10090	0	58173.2	10690	0	58161.1	11290	0	58276.9
10100	0	58172.4	10700	0	58158.7	11300	0	58303.0
10110	0	58170.5	10710	0	58158.7	11310	0	58327.5
10120	0	58170.0	10720	0	58160.5	11320	0	58355.5
10130	0	58177.8	10730	0	58157.9	11330	0	58375.5
10140	0	58185.9	10740	0	58161.6	11340	0	58398.0
10150	0	58180.6	10750	0	58166.5	11350	0	58410.2
10160	0	58176.0	10760	0	58161.5	11360	0	58400.6
10170	0	58168.4	10770	0	58162.9	11370	0	58389.7
10180	0	58168.4	10780	0	58164.6	11380	0	58369.8
10190	0	58169.3	10790	0	58165.2	11390	0	58351.4
10200	0	58170.2	10800	0	58161.6	11400	0	58334.3
10210	0	58168.4	10810	0	58159.3	11410	0	58322.7
10220	0	58174.7	10820	0	58160.3	11420	0	58313.8
10230	0	58174.0	10830	0	58159.5	11430	0	58303.5
10240	0	58169.4	10840	0	58164.2	11440	0	58297.4
10250	0	58167.7	10850	0	58167.3	11450	0	58292.1
10260	0	58168.8	10860	0	58161.8	11460	0	58286.9
10270	0	58169.0	10870	0	58159.7	11470	0	58278.0
10280	0	58167.0	10880	0	58164.9	11480	0	58272.8
10290	0	58168.0	10890	0	58165.8	11490	0	58269.4
10300	0	58167.2	10900	0	58163.8	11500	0	58266.5
10310	0	58168.7	10910	0	58163.0	11510	0	58260.8
10320	0	58168.8	10920	0	58163.9	11520	0	58260.4
10330	0	58168.6	10930	0	58163.5	11530	0	58260.2
10340	0	58166.6	10940	0	58166.4	11540	0	58258.9
10350	0	58166.1	10950	0	58166.7	11550	0	58255.8
10360	0	58166.5	10960	0	58169.0	11560	0	58256.3
10370	0	58166.2	10970	0	58166.2	11570	0	58250.5
10380	0	58165.9	10980	0	58165.6	11580	0	58249.2
10390	0	58166.6	10990	0	58166.4	11590	0	58245.2
10400	0	58165.8	11000	0	58157.8	11600	0	58244.6
10410	0	58164.5	11010	0	58163.1	11610	0	58248.1
10420	0	58166.6	11020	0	58164.9	11620	0	58250.2
10430	0	58167.0	11030	0	58163.6	11630	0	58242.8
10440	0	58165.7	11040	0	58163.7	11640	0	58244.0
10450	0	58163.0	11050	0	58167.5	11650	0	58236.8
10460	0	58164.7	11060	0	58171.5	11660	0	58231.6
10470	0	58164.8	11070	0	58173.0	11670	0	58238.3
10480	0	58163.9	11080	0	58175.9	11680	0	58245.2
10490	0	58163.1	11090	0	58175.6	11690	0	58243.8
10500	0	58163.8	11100	0	58182.6	11700	0	58252.3
10510	0	58164.7	11110	0	58186.9	11710	0	58254.6
10520	0	58163.2	11120	0	58186.7	11720	0	58252.6
10530	0	58165.7	11130	0	58183.8	11730	0	58257.8
10540	0	58167.6	11140	0	58183.1	11740	0	58261.1
10550	0	58169.3	11150	0	58184.9	11750	0	58264.8
10560	0	58165.1	11160	0	58183.3	11760	0	58268.9
10570	0	58166.1	11170	0	58179.0	11770	0	58277.6
10580	0	58163.7	11180	0	58174.9	11780	0	58283.5
10590	0	58165.5	11190	0	58182.4	11790	0	58295.3

X	Y	MAG	X	Y	MAG	X	Y	MAG
11800	0	58308.5	12400	0	58590.7	13000	0	58965.0
11810	0	58317.8	12410	0	58589.1	13010	0	59001.6
11820	0	58330.2	12420	0	58570.0	13020	0	59047.1
11830	0	58344.5	12430	0	58574.0	13030	0	59084.1
11840	0	58360.0	12440	0	58573.5	13040	0	59124.7
11850	0	58374.4	12450	0	58561.5	13050	0	59144.4
11860	0	58389.6	12460	0	58558.7	13060	0	59150.4
11870	0	58408.7	12470	0	58539.5	13070	0	59138.0
11880	0	58435.4	12480	0	58527.0	13080	0	59120.5
11890	0	58456.1	12490	0	58520.9	13090	0	59083.8
11900	0	58481.6	12500	0	58508.9	13100	0	59058.7
11910	0	58494.5	12510	0	58503.0	13110	0	59079.2
11920	0	58513.0	12520	0	58493.3	13120	0	59065.1
11930	0	58529.1	12530	0	58491.7	13130	0	59044.4
11940	0	58547.2	12540	0	58485.1	13140	0	59045.3
11950	0	58559.2	12550	0	58475.2	13150	0	59099.1
11960	0	58573.7	12560	0	58475.3	13160	0	59001.6
11970	0	58589.4	12570	0	58473.0	13170	0	59012.9
11980	0	58606.5	12580	0	58475.6	13180	0	58986.7
11990	0	58621.9	12590	0	58469.3	13190	0	59002.4
12000	0	58631.2	12600	0	58471.7	13200	0	58996.5
12010	0	58633.4	12610	0	58473.9	13210	0	59034.8
12020	0	58631.5	12620	0	58476.5	13220	0	58994.4
12030	0	58634.0	12630	0	58480.6	13230	0	59008.7
12040	0	58627.1	12640	0	58491.1	13240	0	58979.4
12050	0	58625.7	12650	0	58492.6	13250	0	58967.5
12060	0	58626.0	12660	0	58502.7	13260	0	58972.8
12070	0	58621.6	12670	0	58517.4	13270	0	58932.6
12080	0	58618.3	12680	0	58528.9	13280	0	58931.6
12090	0	58618.5	12690	0	58547.2	13290	0	58892.6
12100	0	58614.2	12700	0	58558.4	13300	0	58820.1
12110	0	58616.4	12710	0	58567.6	13310	0	58872.1
12120	0	58615.1	12720	0	58586.7	13320	0	58823.4
12130	0	58616.9	12730	0	58597.8	13330	0	58838.5
12140	0	58618.2	12740	0	58601.8	13340	0	58828.6
12150	0	58625.5	12750	0	58608.2	13350	0	58812.3
12160	0	58628.4	12760	0	58619.2	13360	0	58789.3
12170	0	58639.6	12770	0	58640.9	13370	0	58774.8
12180	0	58632.6	12780	0	58660.0	13380	0	58767.3
12190	0	58628.1	12790	0	58685.0	13390	0	58772.7
12200	0	58610.3	12800	0	58714.1	13400	0	58768.4
12210	0	58625.3	12810	0	58728.2	13410	0	58757.6
12220	0	58621.3	12820	0	58746.1	13420	0	58744.5
12230	0	58611.1	12830	0	58763.8	13430	0	58730.1
12240	0	58604.2	12840	0	58780.1	13440	0	58717.8
12250	0	58609.5	12850	0	58802.2	13450	0	58711.4
12260	0	58620.2	12860	0	58814.4	13460	0	58701.7
12270	0	58622.9	12870	0	58834.9	13470	0	58746.6
12280	0	58640.0	12880	0	58846.4	13480	0	58697.6
12290	0	58611.1	12890	0	58860.4	13490	0	58693.9
12300	0	58614.4	12900	0	58872.0	13500	0	58688.5
12310	0	58612.3	12910	0	58871.6	13510	0	58688.6
12320	0	58625.3	12920	0	58871.3	13520	0	58693.8
12330	0	58628.1	12930	0	58873.2	13530	0	58701.0
12340	0	58615.0	12940	0	58876.0	13540	0	58732.1
12350	0	58616.6	12950	0	58876.7	13550	0	58743.3
12360	0	58616.9	12960	0	58892.1	13560	0	58768.6
12370	0	58610.8	12970	0	58899.2	13570	0	58749.1
12380	0	58609.7	12980	0	58915.5	13580	0	58776.0
12390	0	58596.0	12990	0	58943.1	13590	0	58772.3

X	Y	MAG	X	Y	MAG	X	Y	MAG
13600	0	58758.2	14200	0	58863.0	14800	0	58785.5
13610	0	58767.9	14210	0	58857.9	14810	0	58797.8
13620	0	58757.6	14220	0	58856.7	14820	0	58791.9
13630	0	58761.7	14230	0	58851.8	14830	0	58780.3
13640	0	58782.3	14240	0	58849.0	14840	0	58782.7
13650	0	58782.2	14250	0	58851.4	14850	0	58783.9
13660	0	58798.4	14260	0	58848.6	14860	0	58781.1
13670	0	58793.2	14270	0	58847.8	14870	0	58784.7
13680	0	58815.5	14280	0	58834.1	14880	0	58788.6
13690	0	58829.0	14290	0	58834.2	14890	0	58798.5
13700	0	58849.4	14300	0	58832.6	14900	0	58802.3
13710	0	58866.6	14310	0	58822.0	14910	0	58794.7
13720	0	58882.3	14320	0	58825.6	14920	0	58781.5
13730	0	58891.5	14330	0	58817.0	14930	0	58777.6
13740	0	58905.2	14340	0	58810.1	14940	0	58769.4
13750	0	58919.7	14350	0	58802.8	14950	0	58766.2
13760	0	58926.4	14360	0	58797.1	14960	0	58753.6
13770	0	58939.8	14370	0	58789.5	14970	0	58743.7
13780	0	58949.0	14380	0	58747.7	14980	0	58733.4
13790	0	58953.6	14390	0	58763.3	14990	0	58723.2
13800	0	58964.2	14400	0	58758.8	15000	0	58742.8
13810	0	58949.8	14410	0	58761.8			
13820	0	58946.0	14420	0	58748.2			
13830	0	58939.4	14430	0	58745.7			
13840	0	58930.3	14440	0	58743.0			
13850	0	58928.0	14450	0	58737.9			
13860	0	58921.6	14460	0	58722.0			
13870	0	58918.3	14470	0	58732.8			
13880	0	58914.2	14480	0	58729.2			
13890	0	58916.0	14490	0	58721.5			
13900	0	58914.9	14500	0	58717.0			
13910	0	58898.3	14510	0	58721.9			
13920	0	58914.5	14520	0	58722.7			
13930	0	58913.7	14530	0	58735.2			
13940	0	58905.9	14540	0	58734.8			
13950	0	58899.9	14550	0	58750.5			
13960	0	58891.4	14560	0	58779.2			
13970	0	58887.8	14570	0	58754.7			
13980	0	58884.7	14580	0	58773.8			
13990	0	58879.5	14590	0	58770.0			
14000	0	58886.0	14600	0	58771.2			
14010	0	58885.0	14610	0	58776.4			
14020	0	58903.4	14620	0	58770.0			
14030	0	58904.4	14630	0	58767.8			
14040	0	58903.7	14640	0	58777.0			
14050	0	58898.4	14650	0	58781.0			
14060	0	58882.3	14660	0	58801.8			
14070	0	58903.1	14670	0	58770.4			
14080	0	58905.9	14680	0	58793.7			
14090	0	58914.7	14690	0	58781.3			
14100	0	58934.7	14700	0	58768.3			
14110	0	58894.5	14710	0	58768.2			
14120	0	58900.8	14720	0	58771.4			
14130	0	58902.3	14730	0	58774.2			
14140	0	59003.5	14740	0	58774.8			
14150	0	58863.1	14750	0	58790.4			
14160	0	58875.1	14760	0	58777.8			
14170	0	58861.0	14770	0	58778.5			
14180	0	58853.4	14780	0	58782.0			
14190	0	58851.0	14790	0	58784.4			

PICKAXE DAM

LINE 2

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	2000	58208.8	10600	2000	58179.7	11200	2000	58222.2
10010	2000	58223.2	10610	2000	58177.3	11210	2000	58237.7
10020	2000	58232.1	10620	2000	58180.9	11220	2000	58251.9
10030	2000	58228.3	10630	2000	58181.3	11230	2000	58258.7
10040	2000	58234.9	10640	2000	58191.7	11240	2000	58251.3
10050	2000	58229.7	10650	2000	58183.9	11250	2000	58243.7
10060	2000	58234.5	10660	2000	58189.7	11260	2000	58225.9
10070	2000	58238.4	10670	2000	58191.8	11270	2000	58215.4
10080	2000	58244.8	10680	2000	58189.9	11280	2000	58190.5
10090	2000	58236.0	10690	2000	58188.9	11290	2000	58180.6
10100	2000	58234.9	10700	2000	58176.7	11300	2000	58190.8
10110	2000	58252.0	10710	2000	58181.7	11310	2000	58122.9
10120	2000	58241.1	10720	2000	58180.9	11320	2000	58157.6
10130	2000	58244.7	10730	2000	58186.3	11330	2000	58144.1
10140	2000	58222.0	10740	2000	58176.9	11340	2000	58140.8
10150	2000	58226.3	10750	2000	58177.8	11350	2000	58144.2
10160	2000	58199.3	10760	2000	58179.1	11360	2000	58153.3
10170	2000	58232.0	10770	2000	58171.6	11370	2000	58137.8
10180	2000	58197.6	10780	2000	58173.6	11380	2000	58136.6
10190	2000	58209.7	10790	2000	58179.8	11390	2000	58129.1
10200	2000	58245.6	10800	2000	58173.0	11400	2000	58122.7
10210	2000	58222.7	10810	2000	58133.7	11410	2000	58123.8
10220	2000	58275.6	10820	2000	58185.1	11420	2000	58153.0
10230	2000	58147.3	10830	2000	58163.4	11430	2000	58134.2
10240	2000	58196.7	10840	2000	58168.1	11440	2000	58142.1
10250	2000	58202.7	10850	2000	58164.1	11450	2000	58133.3
10260	2000	58207.1	10860	2000	58168.0	11460	2000	58144.4
10270	2000	58242.6	10870	2000	58167.5	11470	2000	58159.0
10280	2000	58227.3	10880	2000	58173.4	11480	2000	58209.1
10290	2000	58210.0	10890	2000	58168.6	11490	2000	58228.1
10300	2000	58209.5	10900	2000	58168.4	11500	2000	58274.1
10310	2000	58204.2	10910	2000	58173.1	11510	2000	58293.2
10320	2000	58204.5	10920	2000	58167.0	11520	2000	58301.2
10330	2000	58201.1	10930	2000	58164.3	11530	2000	58317.8
10340	2000	58197.8	10940	2000	58165.9	11540	2000	58290.2
10350	2000	58200.6	10950	2000	58164.6	11550	2000	58281.8
10360	2000	58197.5	10960	2000	58164.3	11560	2000	58241.9
10370	2000	58201.9	10970	2000	58165.8	11570	2000	58230.6
10380	2000	58201.1	10980	2000	58166.5	11580	2000	58213.7
10390	2000	58199.0	10990	2000	58155.1	11590	2000	58202.4
10400	2000	58195.9	11000	2000	58151.3	11600	2000	58180.3
10410	2000	58187.8	11010	2000	58164.8	11610	2000	58182.6
10420	2000	58206.1	11020	2000	58166.1	11620	2000	58186.6
10430	2000	58200.4	11030	2000	58158.8	11630	2000	58162.8
10440	2000	58185.6	11040	2000	58153.8	11640	2000	58155.8
10450	2000	58201.5	11050	2000	58146.6	11650	2000	58146.6
10460	2000	58193.4	11060	2000	58158.3	11660	2000	58136.3
10470	2000	58192.8	11070	2000	58150.9	11670	2000	58127.6
10480	2000	58193.4	11080	2000	58155.4	11680	2000	58136.5
10490	2000	58191.7	11090	2000	58158.0	11690	2000	58115.5
10500	2000	58191.7	11100	2000	58151.3	11700	2000	58122.0
10510	2000	58205.2	11110	2000	58158.6	11710	2000	58119.4
10520	2000	58191.9	11120	2000	58152.6	11720	2000	58126.0
10530	2000	58186.3	11130	2000	58183.0	11730	2000	58125.7
10540	2000	58224.4	11140	2000	58187.0	11740	2000	58129.1
10550	2000	58188.9	11150	2000	58196.5	11750	2000	58141.0
10560	2000	58195.3	11160	2000	58207.4	11760	2000	58150.6
10570	2000	58199.1	11170	2000	58200.3	11770	2000	58149.5
10580	2000	58190.7	11180	2000	58210.9	11780	2000	58163.2
10590	2000	58185.7	11190	2000	58217.4	11790	2000	58138.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
11800	2000	58156.5	12400	2000	58268.9	13000	2000	58882.5
11810	2000	58217.1	12410	2000	58261.4	13010	2000	58861.5
11820	2000	58206.5	12420	2000	58272.3	13020	2000	58904.0
11830	2000	58320.3	12430	2000	58296.2	13030	2000	58901.8
11840	2000	58325.4	12440	2000	58311.6	13040	2000	58898.6
11850	2000	58294.8	12450	2000	58320.1	13050	2000	58898.0
11860	2000	58233.2	12460	2000	58331.3	13060	2000	58895.4
11870	2000	58357.6	12470	2000	58353.3	13070	2000	58929.7
11880	2000	58379.2	12480	2000	58387.5	13080	2000	58875.8
11890	2000	58392.1	12490	2000	58410.7	13090	2000	58951.6
11900	2000	58393.8	12500	2000	58391.4	13100	2000	58911.4
11910	2000	58407.3	12510	2000	58424.0	13110	2000	58919.3
11920	2000	58412.4	12520	2000	58424.2	13120	2000	58919.7
11930	2000	58418.3	12530	2000	58453.9	13130	2000	58893.3
11940	2000	58405.6	12540	2000	58449.3	13140	2000	58915.0
11950	2000	58407.9	12550	2000	58426.8	13150	2000	58936.9
11960	2000	58404.1	12560	2000	58456.3	13160	2000	58893.6
11970	2000	58391.9	12570	2000	58483.6	13170	2000	58888.2
11980	2000	58388.4	12580	2000	58554.3	13180	2000	58881.4
11990	2000	58386.8	12590	2000	58516.7	13190	2000	58857.4
12000	2000	58369.7	12600	2000	58590.2	13200	2000	58869.9
12010	2000	58324.4	12610	2000	58581.2	13210	2000	58859.7
12020	2000	58337.9	12620	2000	58520.1	13220	2000	58846.7
12030	2000	58330.4	12630	2000	58592.9	13230	2000	58841.5
12040	2000	58319.4	12640	2000	58652.1	13240	2000	58821.6
12050	2000	58246.5	12650	2000	58640.3	13250	2000	58818.1
12060	2000	58277.7	12660	2000	58602.0	13260	2000	58799.0
12070	2000	58268.1	12670	2000	58664.2	13270	2000	58794.1
12080	2000	58246.4	12680	2000	58678.1	13280	2000	58781.7
12090	2000	58233.4	12690	2000	58762.8	13290	2000	58780.4
12100	2000	58223.5	12700	2000	58688.3	13300	2000	58727.1
12110	2000	58219.1	12710	2000	58637.8	13310	2000	58765.7
12120	2000	58202.1	12720	2000	58638.2	13320	2000	58771.6
12130	2000	58189.4	12730	2000	58643.1	13330	2000	58782.1
12140	2000	58188.1	12740	2000	58542.0	13340	2000	58791.5
12150	2000	58183.2	12750	2000	58561.0	13350	2000	58786.7
12160	2000	58175.6	12760	2000	58550.7	13360	2000	58795.0
12170	2000	58159.4	12770	2000	58558.9	13370	2000	58794.4
12180	2000	58159.2	12780	2000	58490.2	13380	2000	58809.3
12190	2000	58150.0	12790	2000	58459.7	13390	2000	58846.6
12200	2000	58142.3	12800	2000	58475.6	13400	2000	58856.5
12210	2000	58140.4	12810	2000	58545.5	13410	2000	58873.7
12220	2000	58137.7	12820	2000	58483.9	13420	2000	58902.5
12230	2000	58132.5	12830	2000	58468.8	13430	2000	58899.9
12240	2000	58138.6	12840	2000	58476.2	13440	2000	58914.1
12250	2000	58130.1	12850	2000	58453.8	13450	2000	58906.9
12260	2000	58134.6	12860	2000	58495.8	13460	2000	58917.4
12270	2000	58146.2	12870	2000	58514.3	13470	2000	58915.0
12280	2000	58140.0	12880	2000	58531.5	13480	2000	58924.7
12290	2000	58137.3	12890	2000	58550.9	13490	2000	58923.2
12300	2000	58152.8	12900	2000	58585.0	13500	2000	58919.1
12310	2000	58156.5	12910	2000	58591.4	13510	2000	58914.9
12320	2000	58154.5	12920	2000	58606.0	13520	2000	58935.9
12330	2000	58152.3	12930	2000	58657.8	13530	2000	58950.0
12340	2000	58184.0	12940	2000	58651.4	13540	2000	58957.9
12350	2000	58183.4	12950	2000	58693.7	13550	2000	58979.3
12360	2000	58200.9	12960	2000	58725.7	13560	2000	58991.4
12370	2000	58209.5	12970	2000	58749.7	13570	2000	59030.8
12380	2000	58208.4	12980	2000	58809.8	13580	2000	59023.2
12390	2000	58232.8	12990	2000	58823.7	13590	2000	59047.5

X	Y	MAG	X	Y	MAG	X	Y	MAG
13600	2000	59062.9	14200	2000	58828.0	14800	2000	58642.6
13610	2000	59055.7	14210	2000	58815.4	14810	2000	58648.3
13620	2000	59065.6	14220	2000	58817.6	14820	2000	58658.2
13630	2000	59045.2	14230	2000	58820.3	14830	2000	58662.2
13640	2000	59061.1	14240	2000	58813.4	14840	2000	58669.8
13650	2000	59061.1	14250	2000	58813.7	14850	2000	58673.0
13660	2000	59071.2	14260	2000	58806.7	14860	2000	58675.6
13670	2000	59093.1	14270	2000	58818.5	14870	2000	58669.6
13680	2000	59106.5	14280	2000	58821.3	14880	2000	58661.4
13690	2000	59085.5	14290	2000	58820.2	14890	2000	58661.6
13700	2000	59104.9	14300	2000	58813.9	14900	2000	58659.3
13710	2000	59089.6	14310	2000	58812.9	14910	2000	58664.1
13720	2000	59083.2	14320	2000	58817.0	14920	2000	58668.1
13730	2000	59112.0	14330	2000	58822.1	14930	2000	58673.0
13740	2000	59109.1	14340	2000	58822.6	14940	2000	58683.6
13750	2000	59092.3	14350	2000	58827.0	14950	2000	58686.2
13760	2000	59101.9	14360	2000	58831.4	14960	2000	58684.3
13770	2000	59119.6	14370	2000	58829.5	14970	2000	58689.5
13780	2000	59111.1	14380	2000	58829.4	14980	2000	58683.6
13790	2000	59095.2	14390	2000	58824.7	14990	2000	58672.1
13800	2000	59093.1	14400	2000	58826.4	15000	2000	58631.6
13810	2000	59078.6	14410	2000	58823.5	15010	2000	58659.1
13820	2000	59043.5	14420	2000	58802.2	15020	2000	58657.4
13830	2000	59021.9	14430	2000	58785.1	15030	2000	58647.9
13840	2000	59026.3	14440	2000	58768.8	15040	2000	58634.9
13850	2000	58983.1	14450	2000	58754.4	15050	2000	58647.1
13860	2000	58980.3	14460	2000	58749.0	15060	2000	58645.7
13870	2000	58953.2	14470	2000	58733.5	15070	2000	58627.1
13880	2000	58995.3	14480	2000	58730.3	15080	2000	58628.3
13890	2000	58984.1	14490	2000	58721.0	15090	2000	58630.7
13900	2000	58954.5	14500	2000	58716.7	15100	2000	58627.1
13910	2000	58949.0	14510	2000	58715.8	15110	2000	58625.2
13920	2000	58921.4	14520	2000	58710.1	15120	2000	58618.9
13930	2000	58941.1	14530	2000	58710.7	15130	2000	58613.7
13940	2000	58989.6	14540	2000	58708.5	15140	2000	58611.2
13950	2000	58880.5	14550	2000	58704.7	15150	2000	58613.3
13960	2000	58920.1	14560	2000	58705.0	15160	2000	58613.7
13970	2000	58921.9	14570	2000	58691.8	15170	2000	58610.9
13980	2000	58926.2	14580	2000	58688.6	15180	2000	58609.4
13990	2000	58900.6	14590	2000	58684.0	15190	2000	58605.4
14000	2000	58917.9	14600	2000	58679.3	15200	2000	58611.4
14010	2000	58866.3	14610	2000	58674.1	15210	2000	58614.4
14020	2000	58847.4	14620	2000	58662.8	15220	2000	58606.9
14030	2000	58839.0	14630	2000	58657.1	15230	2000	58604.5
14040	2000	58839.3	14640	2000	58648.8	15240	2000	58604.0
14050	2000	58832.1	14650	2000	58642.5	15250	2000	58601.2
14060	2000	58845.0	14660	2000	58638.2	15260	2000	58613.4
14070	2000	58848.8	14670	2000	58642.9	15270	2000	58602.0
14080	2000	58835.3	14680	2000	58643.2	15280	2000	58597.5
14090	2000	58837.6	14690	2000	58630.1	15290	2000	58602.9
14100	2000	58837.8	14700	2000	58630.1	15300	2000	58605.4
14110	2000	58834.0	14710	2000	58631.3	15310	2000	58596.7
14120	2000	58845.1	14720	2000	58632.2	15320	2000	58584.6
14130	2000	58843.9	14730	2000	58636.4	15330	2000	58580.1
14140	2000	58836.0	14740	2000	58631.9	15340	2000	58591.2
14150	2000	58842.3	14750	2000	58629.9	15350	2000	58595.7
14160	2000	58844.3	14760	2000	58629.2	15360	2000	58558.5
14170	2000	58840.2	14770	2000	58631.3	15370	2000	58581.5
14180	2000	58832.1	14780	2000	58631.9	15380	2000	58534.7
14190	2000	58839.4	14790	2000	58631.7	15390	2000	58569.6

X	Y	MAG	X	Y	MAG	X	Y	MAG
15400	2000	58563.9	16000	2000	58659.0			
15410	2000	58562.5						
15420	2000	58580.4						
15430	2000	58575.6						
15440	2000	58573.4						
15450	2000	58600.4						
15460	2000	58612.2						
15470	2000	58607.3						
15480	2000	58620.5						
15490	2000	58645.3						
15500	2000	58637.9						
15510	2000	58657.0						
15520	2000	58629.4						
15530	2000	58627.1						
15540	2000	58620.8						
15550	2000	58629.4						
15560	2000	58617.1						
15570	2000	58599.7						
15580	2000	58654.6						
15590	2000	58654.1						
15600	2000	58669.4						
15610	2000	58684.6						
15620	2000	58694.4						
15630	2000	58723.5						
15640	2000	58732.5						
15650	2000	58755.2						
15660	2000	58760.3						
15670	2000	58767.2						
15680	2000	58780.9						
15690	2000	58755.1						
15700	2000	58763.7						
15710	2000	58759.8						
15720	2000	58753.0						
15730	2000	58741.9						
15740	2000	58746.0						
15750	2000	58731.9						
15760	2000	58726.0						
15770	2000	58720.6						
15780	2000	58714.4						
15790	2000	58702.6						
15800	2000	58703.8						
15810	2000	58699.4						
15820	2000	58697.1						
15830	2000	58700.4						
15840	2000	58704.5						
15850	2000	58709.0						
15860	2000	58712.1						
15870	2000	58726.1						
15880	2000	58722.7						
15890	2000	58725.0						
15900	2000	58727.0						
15910	2000	58726.5						
15920	2000	58712.2						
15930	2000	58702.3						
15940	2000	58696.5						
15950	2000	58683.8						
15960	2000	58683.1						
15970	2000	58675.7						
15980	2000	58669.7						
15990	2000	58666.6						

PICKAXE DAM

LINE 3

X	Y	MAG	X	Y	MAG	X	Y	MAG
10000	3000	58289.3	10600	3000	58362.7	11200	3000	58350.0
10010	3000	58284.4	10610	3000	58363.9	11210	3000	58346.8
10020	3000	58266.7	10620	3000	58371.1	11220	3000	58340.0
10030	3000	58239.0	10630	3000	58375.3	11230	3000	58339.0
10040	3000	58215.0	10640	3000	58382.6	11240	3000	58338.4
10050	3000	58214.2	10650	3000	58383.4	11250	3000	58342.3
10060	3000	58216.5	10660	3000	58379.0	11260	3000	58345.7
10070	3000	58220.5	10670	3000	58393.1	11270	3000	58371.4
10080	3000	58221.6	10680	3000	58393.9	11280	3000	58342.8
10090	3000	58182.8	10690	3000	58394.7	11290	3000	58337.3
10100	3000	58246.8	10700	3000	58390.9	11300	3000	58344.1
10110	3000	58234.0	10710	3000	58389.9	11310	3000	58341.3
10120	3000	58309.8	10720	3000	58389.9	11320	3000	58332.4
10130	3000	58493.3	10730	3000	58386.0	11330	3000	58328.4
10140	3000	58587.1	10740	3000	58383.0	11340	3000	58327.3
10150	3000	58630.6	10750	3000	58382.7	11350	3000	58329.1
10160	3000	58633.7	10760	3000	58383.3	11360	3000	58327.5
10170	3000	58704.3	10770	3000	58377.3	11370	3000	58321.6
10180	3000	58965.7	10780	3000	58377.7	11380	3000	58326.0
10190	3000	59399.3	10790	3000	58369.7	11390	3000	58321.6
10200	3000	59187.3	10800	3000	58363.3	11400	3000	58320.2
10210	3000	59130.5	10810	3000	58364.3	11410	3000	58307.6
10220	3000	58815.0	10820	3000	58355.8	11420	3000	58309.5
10230	3000	58778.2	10830	3000	58357.1	11430	3000	58320.5
10240	3000	58714.0	10840	3000	58357.2	11440	3000	58321.7
10250	3000	58628.2	10850	3000	58358.0	11450	3000	58321.3
10260	3000	58579.4	10860	3000	58352.9	11460	3000	58317.1
10270	3000	58548.2	10870	3000	58348.3	11470	3000	58314.6
10280	3000	58532.6	10880	3000	58344.5	11480	3000	58315.8
10290	3000	58514.0	10890	3000	58343.5	11490	3000	58318.7
10300	3000	58514.7	10900	3000	58336.6	11500	3000	58316.7
10310	3000	58511.6	10910	3000	58333.5	11510	3000	58314.6
10320	3000	58505.4	10920	3000	58330.5	11520	3000	58315.9
10330	3000	58507.8	10930	3000	58327.7	11530	3000	58316.9
10340	3000	58499.3	10940	3000	58334.2	11540	3000	58318.6
10350	3000	58493.7	10950	3000	58333.6	11550	3000	58318.5
10360	3000	58486.7	10960	3000	58332.1	11560	3000	58317.4
10370	3000	58475.9	10970	3000	58333.7	11570	3000	58319.8
10380	3000	58465.0	10980	3000	58326.5	11580	3000	58347.5
10390	3000	58450.2	10990	3000	58325.2	11590	3000	58322.1
10400	3000	58434.8	11000	3000	58327.7	11600	3000	58318.2
10410	3000	58423.4	11010	3000	58337.6	11610	3000	58323.0
10420	3000	58414.9	11020	3000	58330.6	11620	3000	58318.6
10430	3000	58402.8	11030	3000	58331.8	11630	3000	58321.9
10440	3000	58396.1	11040	3000	58333.7	11640	3000	58319.4
10450	3000	58391.1	11050	3000	58336.0	11650	3000	58312.4
10460	3000	58385.8	11060	3000	58332.9	11660	3000	58316.4
10470	3000	58382.1	11070	3000	58336.4	11670	3000	58313.8
10480	3000	58374.7	11080	3000	58341.7	11680	3000	58314.1
10490	3000	58378.2	11090	3000	58356.5	11690	3000	58320.6
10500	3000	58377.4	11100	3000	58370.7	11700	3000	58318.7
10510	3000	58369.6	11110	3000	58320.2	11710	3000	58320.2
10520	3000	58363.9	11120	3000	58558.6	11720	3000	58315.3
10530	3000	58357.7	11130	3000	58353.2	11730	3000	58302.6
10540	3000	58360.2	11140	3000	58352.7	11740	3000	58318.8
10550	3000	58360.2	11150	3000	58354.8	11750	3000	58319.2
10560	3000	58360.2	11160	3000	58349.1	11760	3000	58320.2
10570	3000	58358.0	11170	3000	58347.8	11770	3000	58320.6
10580	3000	58364.5	11180	3000	58347.6	11780	3000	58318.8
10590	3000	58359.8	11190	3000	58350.6	11790	3000	58326.5

X	Y	MAG	X	Y	MAG	X	Y	MAG
11800	3000	58320.2	12400	3000	58386.0	13000	3000	58353.3
11810	3000	58318.7	12410	3000	58382.9	13010	3000	58354.2
11820	3000	58317.5	12420	3000	58377.0	13020	3000	58345.7
11830	3000	58322.5	12430	3000	58373.7	13030	3000	58354.5
11840	3000	58324.6	12440	3000	58375.7	13040	3000	58374.7
11850	3000	58332.3	12450	3000	58366.6	13050	3000	58372.9
11860	3000	58331.6	12460	3000	58360.3	13060	3000	58375.1
11870	3000	58326.5	12470	3000	58362.3	13070	3000	58400.7
11880	3000	58322.5	12480	3000	58355.2	13080	3000	58383.2
11890	3000	58329.2	12490	3000	58352.7	13090	3000	58391.6
11900	3000	58330.0	12500	3000	58345.4	13100	3000	58399.8
11910	3000	58326.0	12510	3000	58340.5	13110	3000	58408.9
11920	3000	58329.4	12520	3000	58335.8	13120	3000	58421.0
11930	3000	58332.3	12530	3000	58352.3	13130	3000	58399.9
11940	3000	58335.9	12540	3000	58343.8	13140	3000	58432.9
11950	3000	58329.1	12550	3000	58341.7	13150	3000	58427.5
11960	3000	58332.4	12560	3000	58340.8	13160	3000	58440.5
11970	3000	58335.1	12570	3000	58334.8	13170	3000	58444.8
11980	3000	58322.4	12580	3000	58336.4	13180	3000	58458.1
11990	3000	58325.3	12590	3000	58333.5	13190	3000	58453.3
12000	3000	58329.3	12600	3000	58332.6	13200	3000	58478.8
12010	3000	58330.0	12610	3000	58331.5	13210	3000	58477.8
12020	3000	58331.0	12620	3000	58337.7	13220	3000	58479.1
12030	3000	58324.2	12630	3000	58319.8	13230	3000	58488.1
12040	3000	58339.6	12640	3000	58328.7	13240	3000	58500.3
12050	3000	58360.3	12650	3000	58322.8	13250	3000	58514.3
12060	3000	58329.1	12660	3000	58319.9	13260	3000	58530.2
12070	3000	58330.8	12670	3000	58329.4	13270	3000	58529.1
12080	3000	58334.8	12680	3000	58342.0	13280	3000	58548.1
12090	3000	58340.7	12690	3000	58336.7	13290	3000	58572.2
12100	3000	58337.5	12700	3000	58331.8	13300	3000	58559.8
12110	3000	58340.6	12710	3000	58327.2	13310	3000	58579.2
12120	3000	58342.1	12720	3000	58325.2	13320	3000	58577.0
12130	3000	58350.4	12730	3000	58320.9	13330	3000	58589.6
12140	3000	58351.9	12740	3000	58332.2	13340	3000	58632.9
12150	3000	58358.9	12750	3000	58327.7	13350	3000	58631.2
12160	3000	58367.9	12760	3000	58335.6	13360	3000	58648.1
12170	3000	58370.5	12770	3000	58338.0	13370	3000	58659.5
12180	3000	58369.7	12780	3000	58343.6	13380	3000	58664.9
12190	3000	58370.3	12790	3000	58334.6	13390	3000	58667.9
12200	3000	58378.0	12800	3000	58334.9	13400	3000	58658.3
12210	3000	58354.7	12810	3000	58331.0	13410	3000	58656.3
12220	3000	58384.6	12820	3000	58339.2	13420	3000	58683.0
12230	3000	58391.1	12830	3000	58333.0	13430	3000	58650.7
12240	3000	58400.5	12840	3000	58330.3	13440	3000	58652.5
12250	3000	58407.1	12850	3000	58336.7	13450	3000	58660.7
12260	3000	58409.2	12860	3000	58333.5	13460	3000	58675.3
12270	3000	58405.6	12870	3000	58346.9	13470	3000	58689.1
12280	3000	58408.5	12880	3000	58342.1	13480	3000	58689.2
12290	3000	58411.9	12890	3000	58335.7	13490	3000	58701.0
12300	3000	58411.3	12900	3000	58330.5	13500	3000	58700.4
12310	3000	58420.0	12910	3000	58340.0	13510	3000	58713.8
12320	3000	58408.7	12920	3000	58341.6	13520	3000	58675.6
12330	3000	58406.0	12930	3000	58346.7	13530	3000	58711.5
12340	3000	58408.8	12940	3000	58338.5	13540	3000	58706.6
12350	3000	58403.6	12950	3000	58341.3	13550	3000	58714.8
12360	3000	58397.0	12960	3000	58334.1	13560	3000	58704.4
12370	3000	58396.5	12970	3000	58354.7	13570	3000	58694.8
12380	3000	58396.6	12980	3000	58353.8	13580	3000	58695.1
12390	3000	58393.4	12990	3000	58381.6	13590	3000	58696.5

X	Y	MAG	X	Y	MAG	X	Y	MAG
13600	3000	58681.9	14200	3000	58827.9	14800	3000	59042.7
13610	3000	58674.5	14210	3000	58853.9	14810	3000	59021.4
13620	3000	58684.5	14220	3000	58860.7	14820	3000	58976.9
13630	3000	58672.1	14230	3000	58859.0	14830	3000	58996.9
13640	3000	58687.9	14240	3000	58823.8	14840	3000	59002.1
13650	3000	58709.8	14250	3000	58818.4	14850	3000	59001.7
13660	3000	58685.2	14260	3000	58852.7	14860	3000	58989.1
13670	3000	58657.0	14270	3000	58832.0	14870	3000	59033.6
13680	3000	58678.9	14280	3000	58856.3	14880	3000	59038.2
13690	3000	58680.7	14290	3000	58845.6	14890	3000	59045.1
13700	3000	58673.5	14300	3000	58843.7	14900	3000	59058.0
13710	3000	58686.4	14310	3000	58971.5	14910	3000	59060.1
13720	3000	58702.4	14320	3000	58866.0	14920	3000	59075.5
13730	3000	58692.9	14330	3000	58863.5	14930	3000	59093.7
13740	3000	58744.8	14340	3000	58920.4	14940	3000	59103.3
13750	3000	58696.3	14350	3000	58887.2	14950	3000	59088.5
13760	3000	58713.5	14360	3000	58852.9	14960	3000	59086.0
13770	3000	58734.4	14370	3000	58830.4	14970	3000	59088.3
13780	3000	58744.0	14380	3000	58861.0	14980	3000	59104.3
13790	3000	58747.5	14390	3000	58836.4	14990	3000	59117.2
13800	3000	58751.4	14400	3000	58823.0	15000	3000	59104.1
13810	3000	58768.5	14410	3000	58826.8			
13820	3000	58757.7	14420	3000	58845.5			
13830	3000	58747.1	14430	3000	58840.7			
13840	3000	58744.5	14440	3000	58857.7			
13850	3000	58746.0	14450	3000	58890.2			
13860	3000	58759.1	14460	3000	58892.1			
13870	3000	58748.3	14470	3000	58917.6			
13880	3000	58824.1	14480	3000	58945.8			
13890	3000	58758.4	14490	3000	58977.3			
13900	3000	58759.0	14500	3000	59046.5			
13910	3000	58767.5	14510	3000	59031.5			
13920	3000	58742.3	14520	3000	59077.8			
13930	3000	58777.6	14530	3000	59089.3			
13940	3000	58777.3	14540	3000	59101.2			
13950	3000	58759.8	14550	3000	59102.9			
13960	3000	58788.1	14560	3000	59117.7			
13970	3000	58802.9	14570	3000	59127.6			
13980	3000	58817.8	14580	3000	59126.0			
13990	3000	58800.3	14590	3000	59132.9			
14000	3000	58798.9	14600	3000	59111.2			
14010	3000	58804.4	14610	3000	59103.1			
14020	3000	58792.6	14620	3000	59107.9			
14030	3000	58795.1	14630	3000	59096.2			
14040	3000	58802.8	14640	3000	59086.7			
14050	3000	58786.0	14650	3000	59072.3			
14060	3000	58807.5	14660	3000	59069.7			
14070	3000	58806.4	14670	3000	59047.8			
14080	3000	58807.4	14680	3000	59032.8			
14090	3000	58820.8	14690	3000	59036.2			
14100	3000	58822.2	14700	3000	59042.3			
14110	3000	58827.4	14710	3000	59039.9			
14120	3000	58846.5	14720	3000	59039.6			
14130	3000	58902.6	14730	3000	59035.9			
14140	3000	58843.7	14740	3000	59049.6			
14150	3000	58823.2	14750	3000	59095.8			
14160	3000	58825.7	14760	3000	59037.0			
14170	3000	58840.5	14770	3000	59052.3			
14180	3000	58863.4	14780	3000	59042.4			
14190	3000	58828.0	14790	3000	59048.5			

IRONSTONE HILL
LINE 1 (WESTERN PORTION)

X	Y	MAG	X	Y	MAG	X	Y	MAG
12000	0	58708.4	12600	0	58770.0	13200	0	58934.6
12010	0	58723.9	12610	0	58769.5	13210	0	58935.5
12020	0	58730.0	12620	0	58770.6	13220	0	58934.3
12030	0	58736.3	12630	0	58772.7	13230	0	58930.1
12040	0	58731.5	12640	0	58771.0	13240	0	58932.2
12050	0	58718.8	12650	0	58774.9	13250	0	58929.7
12060	0	58737.4	12660	0	58776.7	13260	0	58928.5
12070	0	58736.9	12670	0	58779.6	13270	0	58924.6
12080	0	58730.5	12680	0	58784.9	13280	0	58931.6
12090	0	58728.8	12690	0	58782.9	13290	0	58934.8
12100	0	58730.3	12700	0	58789.0	13300	0	58938.0
12110	0	58741.7	12710	0	58792.2	13310	0	58941.7
12120	0	58732.2	12720	0	58796.4	13320	0	58947.8
12130	0	58738.0	12730	0	58802.0	13330	0	58949.5
12140	0	58731.4	12740	0	58807.6	13340	0	58956.5
12150	0	58732.3	12750	0	58814.1	13350	0	58950.8
12160	0	58731.5	12760	0	58821.4	13360	0	58957.1
12170	0	58731.4	12770	0	58830.6	13370	0	58949.2
12180	0	58730.9	12780	0	58836.0	13380	0	58957.4
12190	0	58733.9	12790	0	58842.8	13390	0	58959.0
12200	0	58734.9	12800	0	58850.4	13400	0	58956.2
12210	0	58732.1	12810	0	58857.7	13410	0	58960.8
12220	0	58735.8	12820	0	58866.5	13420	0	58958.7
12230	0	58737.1	12830	0	58872.9	13430	0	58958.6
12240	0	58737.5	12840	0	58883.8	13440	0	58960.2
12250	0	58737.5	12850	0	58885.3	13450	0	58957.1
12260	0	58739.9	12860	0	58892.0	13460	0	58958.4
12270	0	58745.0	12870	0	58895.0	13470	0	58954.7
12280	0	58738.9	12880	0	58901.4	13480	0	58953.4
12290	0	58739.3	12890	0	58905.4	13490	0	58948.0
12300	0	58740.5	12900	0	58912.4	13500	0	58948.4
12310	0	58741.4	12910	0	58912.2	13510	0	58949.6
12320	0	58742.0	12920	0	58898.1	13520	0	58949.3
12330	0	58744.0	12930	0	58887.4	13530	0	58952.2
12340	0	58745.5	12940	0	58870.2	13540	0	58955.0
12350	0	58746.0	12950	0	58860.0	13550	0	58957.5
12360	0	58748.0	12960	0	58853.6	13560	0	58959.7
12370	0	58747.8	12970	0	58846.5	13570	0	58963.5
12380	0	58748.4	12980	0	58838.3	13580	0	58965.7
12390	0	58750.1	12990	0	58834.9	13590	0	58966.8
12400	0	58751.6	13000	0	58832.5	13600	0	58970.2
12410	0	58752.5	13010	0	58828.3	13610	0	58974.0
12420	0	58753.6	13020	0	58825.1	13620	0	58976.1
12430	0	58754.3	13030	0	58826.9	13630	0	58979.3
12440	0	58754.6	13040	0	58827.7	13640	0	58986.3
12450	0	58759.0	13050	0	58826.7	13650	0	58991.8
12460	0	58760.5	13060	0	58828.7	13660	0	58998.6
12470	0	58763.2	13070	0	58826.3	13670	0	58905.3
12480	0	58765.6	13080	0	58831.2	13680	0	58907.6
12490	0	58766.9	13090	0	58833.1	13690	0	58911.1
12500	0	58769.1	13100	0	58831.7	13700	0	58918.5
12510	0	58774.2	13110	0	58828.7	13710	0	58919.8
12520	0	58772.9	13120	0	58834.5	13720	0	58922.8
12530	0	58775.1	13130	0	58846.0	13730	0	58925.7
12540	0	58774.1	13140	0	58845.1	13740	0	58925.7
12550	0	58772.1	13150	0	58838.7	13750	0	58927.4
12560	0	58771.4	13160	0	58843.0	13760	0	58922.6
12570	0	58769.1	13170	0	58839.4	13770	0	58920.4
12580	0	58769.3	13180	0	58837.8	13780	0	58921.1
12590	0	58767.8	13190	0	58834.5	13790	0	58915.7

X	Y	MAG	X	Y	MAG	X	Y	MAG
13800	0	58918.0						
13810	0	58915.1						
13820	0	58913.3						
13830	0	58906.3						
13840	0	58903.1						
13850	0	58896.8						
13860	0	58888.1						
13870	0	58886.7						
13880	0	58879.5						
13890	0	58871.0						
13900	0	58868.3						
13910	0	58869.6						
13920	0	58867.9						
13930	0	58867.8						
13940	0	58862.8						
13950	0	58864.2						
13960	0	58864.7						
13970	0	58865.1						
13980	0	58867.0						
13990	0	58865.1						
14000	0	58865.0						

IRONSTONE HILL

LINE 1 (EASTERN PORTION)

X	Y	MAG	X	Y	MAG	X	Y	MAG
16000	0	59645.2	16600	0	59435.9	17200	0	59555.5
16010	0	59631.8	16610	0	59446.5	17210	0	59521.7
16020	0	59648.7	16620	0	59446.5	17220	0	59447.2
16030	0	59686.3	16630	0	59450.3	17230	0	59382.1
16040	0	59775.1	16640	0	59470.0	17240	0	59368.6
16050	0	59874.7	16650	0	59467.4	17250	0	59359.6
16060	0	59974.8	16660	0	59370.7	17260	0	59376.0
16070	0	60027.6	16670	0	59455.9	17270	0	59315.0
16080	0	59998.7	16680	0	59403.9	17280	0	59292.8
16090	0	60139.9	16690	0	59378.5	17290	0	59263.6
16100	0	59823.5	16700	0	59365.6	17300	0	59243.5
16110	0	59927.2	16710	0	59359.2	17310	0	59216.6
16120	0	60013.0	16720	0	59347.6	17320	0	59183.6
16130	0	60199.2	16730	0	59364.6	17330	0	59116.3
16140	0	60277.1	16740	0	59362.8	17340	0	59121.9
16150	0	60178.8	16750	0	59301.2	17350	0	59115.4
16160	0	60124.9	16760	0	59279.9	17360	0	59101.3
16170	0	60276.1	16770	0	59260.0	17370	0	59092.7
16180	0	60504.1	16780	0	59260.5	17380	0	59085.6
16190	0	60420.1	16790	0	59280.5	17390	0	59095.5
16200	0	60172.2	16800	0	59307.7	17400	0	59087.3
16210	0	59996.5	16810	0	59333.4	17410	0	59099.9
16220	0	59915.7	16820	0	59371.8	17420	0	59104.6
16230	0	59904.5	16830	0	59386.0	17430	0	59110.5
16240	0	59852.1	16840	0	59383.1	17440	0	59124.2
16250	0	59874.5	16850	0	59393.3	17450	0	59126.0
16260	0	59829.0	16860	0	59383.0	17460	0	59149.2
16270	0	59999.8	16870	0	59378.7	17470	0	59150.3
16280	0	60117.4	16880	0	59353.7	17480	0	59162.4
16290	0	60186.8	16890	0	59342.0	17490	0	59170.5
16300	0	60583.0	16900	0	59362.2	17500	0	59177.4
16310	0	59678.5	16910	0	59377.3	17510	0	59185.4
16320	0	59626.4	16920	0	59384.2	17520	0	59189.9
16330	0	59519.8	16930	0	59393.8	17530	0	59176.4
16340	0	59510.3	16940	0	59405.6	17540	0	59172.1
16350	0	59538.4	16950	0	59420.3	17550	0	59163.8
16360	0	59563.8	16960	0	59443.1	17560	0	59163.7
16370	0	59564.2	16970	0	59459.9	17570	0	59173.2
16380	0	59605.7	16980	0	59468.2	17580	0	59173.7
16390	0	59683.1	16990	0	59464.2	17590	0	59181.9
16400	0	59723.7	17000	0	59472.6	17600	0	59195.2
16410	0	59745.9	17010	0	59482.8	17610	0	59224.6
16420	0	59728.7	17020	0	59509.4	17620	0	59267.7
16430	0	59696.1	17030	0	59537.4	17630	0	59290.3
16440	0	59637.2	17040	0	59568.2	17640	0	59346.3
16450	0	59606.3	17050	0	59578.1	17650	0	59390.1
16460	0	59576.9	17060	0	59561.5	17660	0	59446.5
16470	0	59560.9	17070	0	59534.3	17670	0	59528.2
16480	0	59565.7	17080	0	59488.0	17680	0	59598.0
16490	0	59541.5	17090	0	59473.7	17690	0	59683.4
16500	0	59520.7	17100	0	59442.3	17700	0	59693.8
16510	0	59501.4	17110	0	59439.0	17710	0	59628.1
16520	0	59481.7	17120	0	59437.8	17720	0	59630.0
16530	0	59471.5	17130	0	59437.2	17730	0	59626.4
16540	0	59456.5	17140	0	59445.8	17740	0	59641.1
16550	0	59447.6	17150	0	59468.6	17750	0	59632.3
16560	0	59452.8	17160	0	59493.7	17760	0	59622.6
16570	0	59453.0	17170	0	59533.7	17770	0	59655.3
16580	0	59449.3	17180	0	59572.7	17780	0	59679.2
16590	0	59442.6	17190	0	59580.6	17790	0	59722.2

X	Y	MAG	X	Y	MAG	X	Y	MAG
17800	0	59764.4	18400	0	58963.4	19000	0	58718.5
17810	0	59833.5	18410	0	59068.0			
17820	0	59938.4	18420	0	59160.2			
17830	0	60110.3	18430	0	58965.4			
17840	0	60229.3	18440	0	59389.4			
17850	0	60265.0	18450	0	59625.5			
17860	0	60311.8	18460	0	59322.7			
17870	0	60324.0	18470	0	59133.3			
17880	0	60353.3	18480	0	59284.6			
17890	0	60386.2	18490	0	59214.5			
17900	0	60429.4	18500	0	58779.2			
17910	0	60514.4	18510	0	58805.0			
17920	0	60627.8	18520	0	58623.5			
17930	0	60757.4	18530	0	58657.0			
17940	0	60894.5	18540	0	58895.4			
17950	0	61034.1	18550	0	59654.1			
17960	0	61179.6	18560	0	58858.1			
17970	0	61318.1	18570	0	58815.2			
17980	0	61456.5	18580	0	59244.9			
17990	0	61534.8	18590	0	59077.3			
18000	0	61581.4	18600	0	59245.7			
18010	0	61586.6	18610	0	58473.3			
18020	0	61508.2	18620	0	58957.2			
18030	0	61364.9	18630	0	59035.8			
18040	0	61199.3	18640	0	59123.2			
18050	0	61052.5	18650	0	59185.1			
18060	0	60856.3	18660	0	59236.5			
18070	0	60700.9	18670	0	59226.2			
18080	0	60546.7	18680	0	59189.1			
18090	0	60413.3	18690	0	59113.7			
18100	0	60306.6	18700	0	59054.1			
18110	0	60166.0	18710	0	58987.1			
18120	0	60106.8	18720	0	58933.9			
18130	0	60064.5	18730	0	58870.7			
18140	0	59984.0	18740	0	58833.9			
18150	0	59922.9	18750	0	58802.7			
18160	0	59771.7	18760	0	58760.5			
18170	0	59932.3	18770	0	58762.2			
18180	0	59885.8	18780	0	58731.7			
18190	0	59612.4	18790	0	58702.0			
18200	0	59749.4	18800	0	58678.4			
18210	0	59493.0	18810	0	58658.4			
18220	0	59077.5	18820	0	58644.8			
18230	0	58816.2	18830	0	58622.5			
18240	0	59906.9	18840	0	58596.8			
18250	0	58801.2	18850	0	58577.7			
18260	0	59431.4	18860	0	58553.5			
18270	0	58370.7	18870	0	58527.8			
18280	0	59183.5	18880	0	58516.3			
18290	0	59196.9	18890	0	58501.2			
18300	0	59179.5	18900	0	58508.6			
18310	0	59162.9	18910	0	58500.0			
18320	0	59145.6	18920	0	58496.9			
18330	0	59105.1	18930	0	58509.9			
18340	0	59128.9	18940	0	58534.8			
18350	0	59087.4	18950	0	58570.1			
18360	0	59078.6	18960	0	58600.7			
18370	0	59035.7	18970	0	58630.4			
18380	0	59036.4	18980	0	58659.8			
18390	0	59025.8	18990	0	58683.2			

IRONSTONE HILL

LINE 2

X	Y	MAG	X	Y	MAG	X	Y	MAG
16000	0	59425.1	16600	0	59201.6	17200	0	58972.6
16010	0	59426.7	16610	0	59216.2	17210	0	58961.8
16020	0	59417.4	16620	0	59203.4	17220	0	58954.6
16030	0	59402.0	16630	0	59187.6	17230	0	58946.5
16040	0	59400.3	16640	0	59170.4	17240	0	58944.1
16050	0	59379.7	16650	0	59175.0	17250	0	58950.3
16060	0	59360.2	16660	0	59157.2	17260	0	58953.0
16070	0	59341.8	16670	0	59131.0	17270	0	58950.4
16080	0	59318.5	16680	0	59134.9	17280	0	58942.5
16090	0	59304.4	16690	0	59137.2	17290	0	58943.4
16100	0	59202.9	16700	0	59136.8	17300	0	58976.5
16110	0	59293.9	16710	0	59154.3	17310	0	58967.6
16120	0	59289.2	16720	0	59169.9	17320	0	58959.3
16130	0	59277.8	16730	0	59177.4	17330	0	58966.6
16140	0	59283.6	16740	0	59178.9	17340	0	58973.0
16150	0	59282.4	16750	0	59178.1	17350	0	58930.5
16160	0	59284.9	16760	0	59180.2	17360	0	58960.4
16170	0	59286.9	16770	0	59181.8	17370	0	58955.3
16180	0	59300.0	16780	0	59181.9	17380	0	58947.1
16190	0	59300.8	16790	0	59184.5	17390	0	58965.4
16200	0	59302.6	16800	0	59179.1	17400	0	58944.8
16210	0	59304.7	16810	0	59175.3	17410	0	58933.3
16220	0	59309.9	16820	0	59172.9	17420	0	58930.6
16230	0	59312.6	16830	0	59169.2	17430	0	58931.9
16240	0	59317.5	16840	0	59173.8	17440	0	58920.0
16250	0	59313.0	16850	0	59174.4	17450	0	58918.1
16260	0	59311.1	16860	0	59169.1	17460	0	58916.4
16270	0	59307.4	16870	0	59146.6	17470	0	58911.8
16280	0	59302.4	16880	0	59138.6	17480	0	58900.3
16290	0	59299.2	16890	0	59148.0	17490	0	58900.1
16300	0	59290.0	16900	0	59127.8	17500	0	58892.9
16310	0	59283.1	16910	0	59114.7	17510	0	58896.3
16320	0	59275.3	16920	0	59105.5	17520	0	58877.5
16330	0	59277.8	16930	0	59108.7	17530	0	58888.7
16340	0	59274.1	16940	0	59094.4	17540	0	58892.5
16350	0	59276.5	16950	0	59080.9	17550	0	58889.3
16360	0	59277.9	16960	0	59053.6	17560	0	58880.1
16370	0	59278.0	16970	0	59053.0	17570	0	58868.1
16380	0	59268.1	16980	0	59040.2	17580	0	58858.7
16390	0	59264.5	16990	0	59037.5	17590	0	58850.0
16400	0	59259.5	17000	0	59047.3	17600	0	58845.7
16410	0	59254.5	17010	0	59036.4	17610	0	58843.1
16420	0	59242.2	17020	0	59029.8	17620	0	58845.9
16430	0	59229.1	17030	0	59016.4	17630	0	58847.5
16440	0	59214.1	17040	0	59009.9	17640	0	58850.8
16450	0	59211.6	17050	0	59006.1	17650	0	58856.3
16460	0	59204.1	17060	0	59016.5	17660	0	58853.6
16470	0	59210.8	17070	0	59019.1	17670	0	58856.4
16480	0	59217.0	17080	0	59020.6	17680	0	58860.5
16490	0	59212.4	17090	0	59026.5	17690	0	58852.7
16500	0	59212.3	17100	0	59032.1	17700	0	58843.5
16510	0	59210.2	17110	0	59029.3	17710	0	58842.0
16520	0	59214.8	17120	0	59032.3	17720	0	58841.3
16530	0	59215.4	17130	0	59025.6	17730	0	58843.9
16540	0	59218.6	17140	0	59024.2	17740	0	58843.7
16550	0	59211.7	17150	0	59024.7	17750	0	58846.8
16560	0	59220.3	17160	0	59025.0	17760	0	58850.6
16570	0	59229.1	17170	0	59012.4	17770	0	58855.2
16580	0	59225.6	17180	0	58996.9	17780	0	58853.4
16590	0	59208.6	17190	0	58984.1	17790	0	58857.4

X	Y	MAG	X	Y	MAG	X	Y	MAG
17800	0	58867.9	18400	0	59052.9	19000	0	59243.5
17810	0	58874.8	18410	0	59035.4			
17820	0	58878.1	18420	0	59032.2			
17830	0	58884.6	18430	0	59019.1			
17840	0	58898.7	18440	0	59029.7			
17850	0	58898.9	18450	0	59040.6			
17860	0	58901.6	18460	0	59057.9			
17870	0	58918.6	18470	0	59069.0			
17880	0	58929.3	18480	0	59085.8			
17890	0	58930.0	18490	0	59121.5			
17900	0	58930.0	18500	0	59123.7			
17910	0	58932.9	18510	0	59132.2			
17920	0	58955.6	18520	0	59147.9			
17930	0	58939.1	18530	0	59116.6			
17940	0	58948.0	18540	0	59053.6			
17950	0	58976.1	18550	0	59032.6			
17960	0	58971.7	18560	0	58996.9			
17970	0	58971.4	18570	0	58969.7			
17980	0	58975.9	18580	0	58967.7			
17990	0	58981.5	18590	0	58924.1			
18000	0	58995.0	18600	0	58921.2			
18010	0	59017.1	18610	0	58910.1			
18020	0	59030.4	18620	0	58926.6			
18030	0	59044.8	18630	0	58952.7			
18040	0	59062.1	18640	0	58987.6			
18050	0	59069.9	18650	0	59011.3			
18060	0	59081.5	18660	0	59048.7			
18070	0	59081.0	18670	0	59066.6			
18080	0	59085.6	18680	0	59081.9			
18090	0	59085.7	18690	0	59077.9			
18100	0	59080.3	18700	0	59070.4			
18110	0	59069.6	18710	0	59062.0			
18120	0	59065.8	18720	0	59059.9			
18130	0	59066.3	18730	0	59061.5			
18140	0	59083.3	18740	0	59050.8			
18150	0	59093.7	18750	0	59049.5			
18160	0	59095.0	18760	0	59058.7			
18170	0	59106.5	18770	0	59062.8			
18180	0	59111.4	18780	0	59068.6			
18190	0	59118.7	18790	0	59065.4			
18200	0	59111.8	18800	0	59020.2			
18210	0	59105.1	18810	0	58954.4			
18220	0	59093.9	18820	0	58914.4			
18230	0	59084.9	18830	0	58893.7			
18240	0	59084.2	18840	0	58871.7			
18250	0	59094.5	18850	0	58862.2			
18260	0	59097.7	18860	0	58855.4			
18270	0	59094.0	18870	0	58851.5			
18280	0	59087.8	18880	0	58853.4			
18290	0	59095.8	18890	0	58891.2			
18300	0	59104.3	18900	0	58953.7			
18310	0	59099.9	18910	0	59043.9			
18320	0	59103.5	18920	0	59191.6			
18330	0	59109.2	18930	0	59293.0			
18340	0	59115.7	18940	0	59379.1			
18350	0	59111.7	18950	0	59400.6			
18360	0	59110.1	18960	0	59372.3			
18370	0	59093.7	18970	0	59345.8			
18380	0	59077.8	18980	0	59330.2			
18390	0	59059.6	18990	0	59299.6			

APPENDIX 2

**Geochemical Analyses - Soil Sampling Programme -
Burkitt, Pickaxe Dam and Ironstone Hill Traverses**

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

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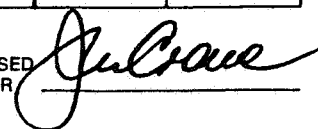
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	000	30	45	3	-	<5				
2	001	50	60	3	-	<5				
3	002	25	40	1	-	5				
4	003	30	45	2	-	5				
5	004	25	35	1	-	<5				
6	005	30	35	2	-	5				
7	006	30	45	1	-	5				
8	007	30	40	1	-	10				
9	008	30	35	2	-	<5				
10	009	30	40	2	-	5				
11	010	35	50	1	-	10				
12	011	25	40	2	-	10				
13	012	30	45	1	-	15				
14	013	35	70	1	-	10				
15	014	30	45	1	-	10				
16	015	35	65	<1	-	10				
17	016	30	65	2	-	15				
18	017	25	40	1	-	10				
19	018	20	30	1	-	10				
20	019	20	40	2	-	20				
21	020	25	50	1	-	<5				
22	021	35	60	2	-	5				
23	022	40	50	1	-	5				
24	023	30	55	2	-	<5				
25	024	35	70	4	-	<5				

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

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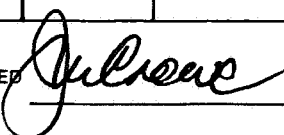
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	025	50	75	3	-	5				
2	026	35	80	1	-	<5				
3	027	30	55	4	-	10				
4	028	30	55	2	-	5				
5	029	30	55	1	-	10				
6	030	30	55	2	-	10				
7	031	30	65	2	-	10				
8	032	30	50	1	-	5				
9	033	25	60	1	-	5				
10	034	40	60	2	-	10				
11	035	30	65	1	-	20				
12	036	25	40	1	-	10				
13	037	25	40	1	-	10				
14	038	15	35	2	-	10				
15	039	25	25	<1	-	10				
16	040	20	30	1	-	<5				
17	041	15	25	2	-	10				
18	042	20	30	1	-	10				
19	043	20	15	<1	-	10				
20	044	15	20	2	-	5				
21	045	20	50	4	-	5				
22	046	15	20	1	-	10				
23	047	25	30	1	-	10				
24	048	100	85	5	-	5				
25	049	30	45	4	-	10				

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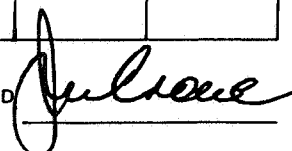
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TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb						
1	050	25	150	1	-	40						
2	051	30	100	2	-	50						
3	052	25	80	1	-	15						
4	053	20	25	1	-	<5						
5	054	20	25	3	-	5						
6	055	20	20	1	-	<5						
7	056	20	30	<1	-	<5						
8	057	20	30	<1	-	5						
9	058	20	40	1	-	5						
10	059	20	25	<1	-	5						
11	060	10	15	1	-	<5						
12	061	-	-	SNR	-	-						
13	062	-	-	SNR	-	-						
14	063	-	-	SNR	-	-						
15	064	-	-	SNR	-	-						
16	065	-	-	SNR	-	-						
17	066	-	-	SNR	-	-						
18	067	-	-	SNR	-	-						
19	068	-	-	SNR	-	-						
20	069	-	-	SNR	-	-						
21	070	-	-	SNR	-	-						
22	071	-	-	SNR	-	-						
23	072	-	-	SNR	-	-						
24	073	-	-	SNR	-	-						
25	074	-	-	SNR	-	-						

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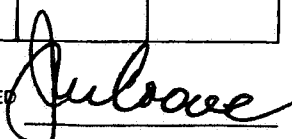
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	075	-	-	SNR	-	-				
2	076	-	-	SNR	-	-				
3	077	-	-	SNR	-	-				
4	078	-	-	SNR	-	-				
5	079	-	-	SNR	-	-				
6	080	-	-	SNR	-	-				
7	081	-	-	SNR	-	-				
8	082	-	-	SNR	-	-				
9	083	-	-	SNR	-	-				
10	084	-	-	SNR	-	-				
11	085	-	-	SNR	-	-				
12	086	-	-	SNR	-	-				
13	087	-	-	SNR	-	-				
14	088	-	-	SNR	-	-				
15	089	-	-	SNR	-	-				
16	090	-	-	SNR	-	-				
17	091	-	-	SNR	-	-				
18	092	-	-	SNR	-	-				
19	093	-	-	SNR	-	-				
20	094	-	-	SNR	-	-				
21	095	-	-	SNR	-	-				
22	096	-	-	SNR	-	-				
23	097	-	-	SNR	-	-				
24	098	-	-	SNR	-	-				
25	099	-	-	SNR	-	-				

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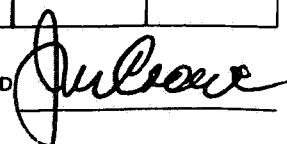
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	100	35	65	1	-	10				
2	101	35	55	2	-	10				
3	102	40	55	3	-	5				
4	103	30	60	2	-	5				
5	104	30	55	1	-	10				
6	105	30	50	4	-	5				
7	106	35	50	1	-	<5				
8	107	30	50	2	-	<5				
9	108	30	55	3	-	<5				
10	109	30	70	1	-	<5				
11	110	30	65	2	-	15				
12	111	25	65	2	-	5				
13	112	30	70	2	-	5				
14	113	35	75	2	-	5				
15	114	40	80	3	-	<5				
16	115	30	65	2	-	10				
17	116	35	80	3	-	10				
18	117	30	85	1	-	10				
19	118	30	85	3	-	10				
20	119	35	95	3	-	10				
21	120	40	90	2	-	20				
22	121	40	60	1	-	10				
23	122	30	60	1	-	15				
24	123	30	65	1	-	15				
25	124	25	65	2	-	10				

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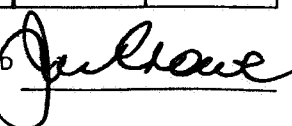
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TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb						
1	125	20	45	2	-	10						
2	126	35	60	2	-	10						
3	127	30	60	1	-	5						
4	128	30	60	2	-	10						
5	129	25	75	2	-	20						
6	130	20	60	<1	-	10						
7	131	25	65	1	-	5						
8	132	20	40	1	-	5						
9	133	20	40	1	-	<5						
10	134	40	40	<1	-	<5						
11	135	60	30	1	-	10						
12	136	30	30	2	-	<5						
13	137	30	30	<1	-	<5						
14	138	20	30	<1	-	5						
15	139	15	25	<1	-	10						
16	140	15	25	<1	-	<5						
17	141	20	25	1	-	5						
18	142	20	40	1	-	5						
19	143	25	40	2	-	5						
20	144	30	60	<1	-	<5						
21	145	30	60	1	-	10						
22	146	30	60	1	-	15						
23	147	30	60	1	-	15						
24	148	40	60	<1	-	10						
25	149	40	70	1	-	10						

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TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	150	45	75	1	-	10				
2	151	35	55	2	-	5				
3	152	35	75	<1	-	10				
4	153	40	85	<1	-	10				
5	154	40	100	<1	-	15				
6	155	40	115	4	-	15				
7	156	35	90	3	-	15				
8	157	50	60	1	-	15				
9	158	35	70	1	-	10				
10	159	35	90	8	-	10				
11	160	25	50	2	-	10				
12	1851	30	125	2	0.001	20				
13	1852	20	60	1	<0.001	20				
14	1853	20	45	2	<0.001	20				
15	1854	25	55	1	<0.001	15				
16	1855	20	55	2	<0.001	10				
17	1856	25	65	2	<0.001	5				
18	1857	20	55	1	0.001	5				
19	1858	20	50	2	0.002	5				
20	1859	30	55	2	0.009	10				
21	1860	20	45	2	0.002	5				
22	1861	20	50	4	0.001	75				
23	1862	25	50	3	0.001	15				
24	1863	20	50	4	0.001	5				
25	1864	25	60	2	0.001	<5				

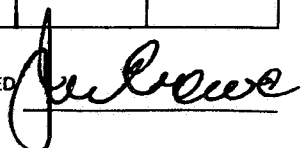
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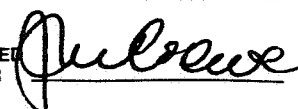
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TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	1865	25	70	2	0.001	<5				
2	1866	20	50	1	<0.001	<5				
3	1867	20	55	1	0.001	5				
4	1868	20	55	2	0.001	5				
5	1869	20	50	2	0.001	<5				
6	1870	20	50	2	0.001	<5				
7	1871	20	60	3	<0.001	<5				
8	1872	20	50	3	0.001	10				
9	1873	20	55	1	0.001	5				
10	1874	20	55	1	<0.001	10				
11	1875	20	50	1	<0.001	10				
12	1876	20	50	<1	<0.001	5				
13	1877	25	80	1	<0.001	10				
14	1878	20	60	2	0.001	10				
15	1879	20	50	4	0.001	5				
16	1880	20	50	4	<0.001	5				
17	1881	20	45	2	0.001	10				
18	1882	20	50	6	<0.001	5				
19	1883	25	50	3	0.001	10				
20	1884	20	60	2	<0.001	10				
21	1885	20	60	<1	<0.001	5				
22	1886	30	75	<1	0.001	15				
23	1887	20	60	1	<0.001	10				
24	1888	20	55	4	0.001	10				
25	1889	30	75	4	0.001	15				

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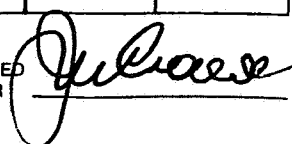
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	1890	30	70	1	<0.001	15				
2	1891	30	70	5	0.002	15				
3	1892	25	65	2	0.002	15				
4	1893	20	65	1	0.002	15				
5	1894	25	75	1	0.001	15				
6	1895	30	75	2	<0.001	20				
7	1896	30	85	3	0.003	15				
8	1897	25	70	2	<0.001	10				
9	1898	25	75	5	<0.001	15				
10	1899	30	70	2	<0.001	10				
11	1900	30	85	2	0.001	15				
12	1901	25	90	2	0.001	10				
13	1902	20	70	1	0.001	10				
14	1903	25	75	3	0.001	10				
15	1904	25	60	2	<0.001	5				
16	1905	25	75	3	0.002	15				
17	1906	25	80	4	0.001	10				
18	1907	30	85	5	0.001	15				
19	1908	25	80	3	0.001	15				
20	1909	30	80	3	0.002	15				
21	1910	25	65	1	0.001	10				
22	1911	25	65	1	<0.001	15				
23	1951	20	40	1	-	10				
24	1952	25	50	2	-	5				
25	1953	30	70	3	-	50				

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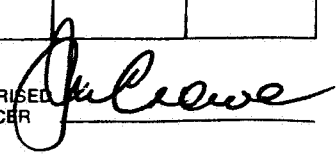
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	1954	30	100	2	-	65				
2	1955	45	75	1	-	100				
3	1956	30	50	2	-	10				
4	1957	25	45	5	-	5				
5	1958	30	50	2	-	10				
6	1959	25	45	1	-	10				
7	1960	20	50	2	-	10				
8	1961	20	55	2	-	10				
9	1962	20	55	1	-	10				
10	1963	25	55	2	-	10				
11	1964	20	50	2	-	10				
12	1965	25	45	2	-	10				
13	1966	20	45	2	-	10				
14	1967	25	70	2	-	10				
15	1968	20	45	1	-	10				
16	1969	25	55	2	-	10				
17	1970	25	55	1	-	10				
18	1971	20	55	2	-	10				
19	1972	30	55	2	-	5				
20	1973	20	50	2	-	5				
21	1974	20	40	2	-	5				
22	1975	25	45	2	-	5				
23	1976	20	55	2	-	5				
24	1977	25	60	3	-	10				
25	1978	30	50	2	-	10				

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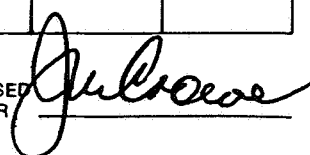
		449.0.06.02965				07/04/89	0651	11 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb			
1	1979	25	60	2	-	10			
2	1980	25	50	3	-	15			
3	1981	25	50	2	-	10			
4	1982	20	55	2	-	5			
5	1983	20	65	2	-	5			
6	1984	20	50	3	-	5			
7	1985	20	50	1	-	10			
8	1986	20	50	2	-	5			
9	1987	25	50	2	-	10			
10	1988	20	70	1	-	10			
11	1989	20	50	4	-	10			
12	1990	20	50	1	-	10			
13	1991	30	50	7	-	10			
14	1992	20	65	2	-	10			
15	1993	20	50	2	-	10			
16	1994	20	60	1	-	10			
17	1995	20	60	1	-	10			
18	1996	20	50	1	-	10			
19	1997	20	65	2	-	10			
20	1998	15	50	3	-	10			
21	1999	20	45	2	-	5			
22	2000	15	60	2	-	5			
23	6654	20	45	2	0.001	10			
24	6655	15	80	2	0.001	15			
25	6656	20	70	1	0.001	10			

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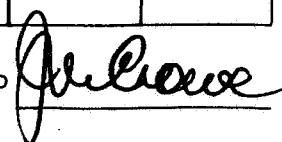
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	6657	20	50	2	0.002	10				
2	6658	20	65	5	0.001	10				
3	6659	20	70	2	<0.001	15				
4	6660	20	70	2	<0.001	15				
5	6661	20	60	2	0.002	15				
6	6662	20	65	3	0.001	10				
7	6663	20	60	<1	0.001	10				
8	6664	20	60	1	0.001	10				
9	6665	20	65	1	0.001	10				
10	6666	25	65	1	0.001	15				
11	6667	20	70	2	0.001	10				
12	6668	20	60	5	0.001	10				
13	6669	20	65	2	0.001	10				
14	6670	20	70	2	0.001	15				
15	6671	20	70	6	0.001	10				
16	6672	20	65	2	0.001	10				
17	6673	20	70	2	0.002	10				
18	6674	25	70	2	0.002	10				
19	6675	20	70	4	0.001	10				
20	6676	20	80	3	0.001	15				
21	6677	20	75	2	<0.001	20				
22	6678	20	65	2	<0.001	15				
23	6679	20	55	1	<0.001	15				
24	6680	20	45	1	<0.001	10				
25	6681	20	60	3	<0.001	10				

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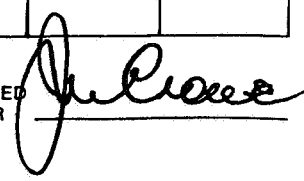
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	6682	20	45	4	<0.001	5				
2	6683	25	70	<1	0.001	10				
3	6684	20	65	2	0.005	5				
4	6685	15	55	<1	0.002	10				
5	6686	20	60	1	0.001	10				
6	6687	15	50	1	0.002	5				
7	6688	20	60	2	0.002	10				
8	6689	20	65	2	<0.001	5				
9	6690	20	55	2	0.001	10				
10	6691	15	50	1	<0.001	15				
11	6692	25	70	1	0.002	15				
12	6693	15	55	<1	<0.001	15				
13	6694	20	75	1	<0.001	15				
14	6695	15	50	1	0.001	15				
15	6696	20	70	1	<0.001	10				
16	6697	20	60	3	<0.001	10				
17	6698	20	55	5	0.001	10				
18	6699	30	70	4	<0.001	10				
19	6700	25	65	3	0.001	15				
20	6951	20	60	4	-	5				
21	6952	20	90	2	-	5				
22	6953	20	70	3	-	10				
23	6954	20	85	<1	-	10				
24	6955	15	65	5	-	5				
25	6956	25	75	1	-	5				

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TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	6957	20	80	4	-	10				
2	6958	20	80	5	-	10				
3	6959	25	70	<1	-	5				
4	6960	20	65	4	-	10				
5	6961	25	65	5	-	10				
6	6962	25	70	10	-	15				
7	6963	25	65	1	-	10				
8	6964	25	70	1	-	10				
9	6965	20	80	5	-	15				
10	6966	20	65	3	-	15				
11	6967	25	70	4	-	10				
12	6968	20	80	1	-	10				
13	6969	20	70	4	-	10				
14	6970	20	55	3	-	10				
15	6971	30	80	1	-	10				
16	6972	25	70	4	-	10				
17	6973	30	70	4	-	5				
18	6974	30	85	1	-	10				
19	6975	25	70	1	-	10				
20	6976	25	65	1	-	5				
21	6977	25	75	5	-	<5				
22	6978	20	75	1	-	5				
23	6979	25	75	<1	-	5				
24	6980	25	85	3	-	10				
25	6981	25	85	<1	-	10				

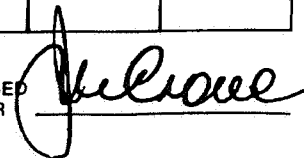
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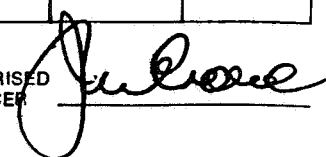
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	6982	25	80	<1	-	5				
2	6983	25	70	<1	-	5				
3	6984	25	95	<1	-	<5				
4	6985	30	105	3	-	5				
5	6986	30	100	<1	-	5				
6	6987	25	85	<1	-	15				
7	6988	30	85	4	-	10				
8	6989	30	90	4	-	10				
9	6990	30	75	<1	-	10				
10	6991	25	75	<1	-	10				
11	6992	25	65	3	-	10				
12	6993	25	50	1	-	5				
13	6994	30	60	<1	-	5				
14	6995	25	70	3	-	5				
15	6996	30	65	4	-	10				
16	6997	30	80	1	-	15				
17	6998	25	65	5	-	15				
18	6999	30	75	2	-	10				
19	7000	30	65	3	-	15				
20	7001	20	55	3	-	5				
21	7002	25	50	3	-	5				
22	7003	20	40	2	-	10				
23	7004	15	30	4	-	5				
24	7005	20	45	3	-	5				
25	7006	20	35	4	-	5				

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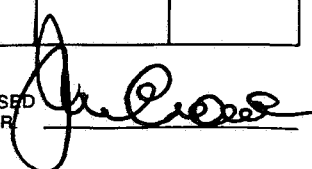
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7007	20	45	3	-	10				
2	7008	20	50	5	-	10				
3	7009	25	65	4	-	10				
4	7010	20	50	4	-	5				
5	7011	20	45	6	-	10				
6	7012	20	50	4	-	10				
7	7013	25	65	2	-	10				
8	7014	20	60	6	-	5				
9	7015	20	60	2	-	15				
10	7016	25	90	2	-	15				
11	7017	20	60	4	-	15				
12	7018	20	55	5	-	10				
13	7019	20	60	6	-	15				
14	7020	15	45	3	-	15				
15	7021	20	55	5	-	15				
16	7022	15	50	2	-	10				
17	7023	20	55	1	-	10				
18	7024	15	40	2	-	10				
19	7025	15	30	2	-	10				
20	7026	15	50	4	-	15				
21	7027	20	55	4	-	15				
22	7028	20	55	1	-	10				
23	7029	20	40	1	-	10				
24	7030	10	25	<1	-	5				
25	7031	25	45	3	-	10				

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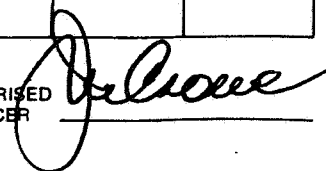
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7032	25	70	1	-	10				
2	7033	25	50	3	-	10				
3	7034	25	45	3	-	5				
4	7035	25	55	2	-	5				
5	7036	25	50	2	-	5				
6	7037	25	60	3	-	5				
7	7038	25	50	2	-	10				
8	7039	50	50	1	-	<5				
9	7040	25	60	1	-	5				
10	7041	20	45	1	-	5				
11	7042	20	55	1	-	5				
12	7043	25	55	1	-	10				
13	7044	20	55	2	-	15				
14	7045	25	60	<1	-	10				
15	7046	25	65	<1	-	10				
16	7047	20	40	1	-	5				
17	7048	25	55	1	-	10				
18	7049	25	60	1	-	<5				
19	7050	25	55	1	-	<5				
20	7051	25	45	1	-	<5				
21	7052	20	55	4	-	<5				
22	7053	30	60	5	-	<5				
23	7054	25	60	4	-	5				
24	7055	25	45	1	-	5				
25	7056	20	45	3	-	<5				

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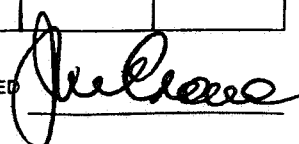
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7057	25	45	1	-	<5				
2	7058	25	50	1	-	<5				
3	7059	25	50	2	-	<5				
4	7060	20	40	<1	-	<5				
5	7061	25	40	<1	-	<5				
6	7062	20	55	1	-	5				
7	7063	20	50	<1	-	5				
8	7064	25	55	1	-	15				
9	7065	25	45	1	-	15				
10	7066	20	50	1	-	15				
11	7067	20	40	2	-	10				
12	7068	25	55	5	-	15				
13	7069	20	45	1	-	5				
14	7070	20	45	5	-	10				
15	7071	15	35	1	-	5				
16	7072	15	35	1	-	5				
17	7073	20	40	1	-	10				
18	7074	15	40	4	-	5				
19	7075	20	40	1	-	5				
20	7076	15	35	1	-	5				
21	7077	15	30	<1	-	5				
22	7078	15	30	1	-	<5				
23	7079	15	30	1	-	5				
24	7080	15	40	<1	-	5				
25	7081	20	35	<1	-	<5				

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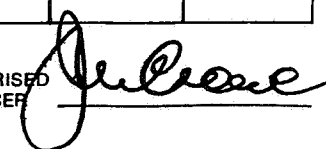
		449.0.06.02965				07/04/89		0651		19 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb					
1	7082	25	40	1	-	5					
2	7083	20	45	1	-	5					
3	7084	25	50	3	-	5					
4	7085	20	50	<1	-	<5					
5	7086	25	50	2	-	5					
6	7087	20	50	1	-	5					
7	7088	20	40	1	-	<5					
8	7089	15	40	<1	-	<5					
9	7090	20	35	4	-	5					
10	7091	25	35	<1	-	5					
11	7092	20	40	<1	-	5					
12	7093	20	55	1	-	10					
13	7094	20	55	1	-	5					
14	7095	25	55	2	-	5					
15	7096	25	55	<1	-	5					
16	7097	25	55	2	-	5					
17	7098	25	70	1	-	10					
18	7099	20	60	<1	-	15					
19	7100	20	60	<1	-	10					
20	7101	20	50	2	-	10					
21	7102	20	50	2	-	5					
22	7103	25	90	1	-	10					
23	7104	25	80	1	-	15					
24	7105	25	65	4	-	10					
25	7106	30	90	1	-	15					

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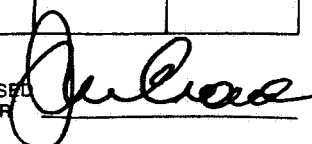
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7107	25	70	2	-	15				
2	7108	25	70	3	-	15				
3	7109	20	60	6	-	10				
4	7110	20	55	2	-	10				
5	7111	30	70	4	-	10				
6	7112	25	65	3	-	15				
7	7113	30	65	3	-	10				
8	7114	20	55	2	-	5				
9	7115	25	55	3	-	5				
10	7116	20	50	2	-	10				
11	7117	25	60	1	-	10				
12	7118	25	60	3	-	15				
13	7119	30	55	2	-	10				
14	7120	25	60	<1	-	15				
15	7121	20	70	1	-	10				
16	7122	30	65	<1	-	15				
17	7123	30	80	<1	-	10				
18	7124	30	80	5	-	15				
19	7125	35	80	1	-	10				
20	7126	35	70	3	-	10				
21	7127	30	70	2	-	10				
22	7128	30	65	2	-	10				
23	7129	25	75	2	-	15				
24	7130	25	50	1	-	5				
25	7131	30	75	5	-	10				

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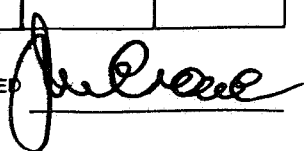
		449.0.06.02965				07/04/89	0651		21 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7132	30	80	4	-	10				
2	7133	25	60	6	-	10				
3	7134	25	70	2	-	10				
4	7135	20	65	2	-	5				
5	7136	30	75	3	-	10				
6	7137	25	70	2	-	20				
7	7138	30	80	3	-	15				
8	7139	30	90	3	-	20				
9	7140	30	95	<1	-	15				
10	7141	25	80	2	-	10				
11	7142	20	60	1	-	5				
12	7143	20	55	4	-	10				
13	7144	20	60	2	-	10				
14	7145	20	55	<1	-	5				
15	7146	20	60	4	-	10				
16	7147	20	55	1	-	10				
17	7148	25	65	4	-	5				
18	7149	30	65	2	-	10				
19	7150	25	75	2	-	5				
20	7151	25	75	2	-	10				
21	7152	25	55	2	-	15				
22	7153	20	50	2	-	10				
23	7154	25	60	3	-	10				
24	7155	25	65	2	-	10				
25	7156	25	65	3	-	10				

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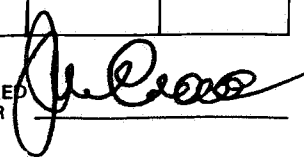
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7157	25	60	2	-	5				
2	7158	25	60	2	-	10				
3	7159	25	60	3	-	5				
4	7160	20	70	5	-	10				
5	7161	20	50	1	-	5				
6	7162	25	75	2	-	10				
7	7163	20	75	<1	-	10				
8	7164	25	75	4	-	5				
9	7165	25	75	2	-	5				
10	7166	25	65	<1	-	10				
11	7167	25	60	<1	-	10				
12	7168	20	65	<1	-	10				
13	7169	25	75	5	-	10				
14	7170	25	65	2	-	10				
15	7171	25	65	3	-	5				
16	7172	30	85	5	-	10				
17	7173	25	80	4	-	5				
18	7174	30	65	1	-	5				
19	7175	30	80	1	-	10				
20	7176	30	70	2	-	5				
21	7177	25	80	5	-	5				
22	7178	20	60	4	-	5				
23	7179	20	60	4	-	10				
24	7180	20	65	4	-	10				
25	7181	25	65	1	-	10				

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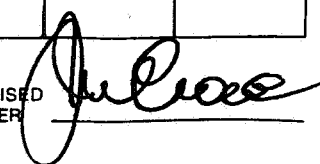
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7182	20	75	2	-	15				
2	7183	20	65	4	-	10				
3	7184	20	65	3	-	10				
4	7185	25	75	4	-	5				
5	7186	20	70	5	-	5				
6	7187	20	55	4	-	5				
7	7188	20	80	3	-	5				
8	7189	25	65	2	-	<5				
9	7190	25	75	4	-	10				
10	7191	25	80	5	-	5				
11	7192	25	65	4	-	10				
12	7193	25	70	5	-	10				
13	7194	25	60	6	-	15				
14	7195	20	60	4	-	20				
15	7196	SNR	SNR	SNR	-	SNR				
16	7197	15	55	2	-	<5				
17	7198	20	45	7	-	<5				
18	7199	20	50	4	-	5				
19	7200	20	50	2	-	<5				
20	7201	20	70	7	-	10				
21	7202	20	65	7	-	5				
22	7203	20	75	2	-	5				
23	7204	20	65	4	-	10				
24	7205	20	55	4	-	<5				
25	7206	20	55	3	-	5				

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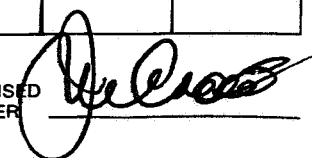
		449.0.06.02965				07/04/89		0651		24 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb					
1	7207	20	55	1	-	5					
2	7208	25	60	4	-	10					
3	7209	15	50	1	-	10					
4	7210	20	70	4	-	10					
5	7211	20	75	4	-	15					
6	7212	20	60	1	-	5					
7	7213	20	70	<1	-	5					
8	7214	20	70	1	-	10					
9	7215	20	70	4	-	10					
10	7216	25	65	4	-	5					
11	7217	20	60	4	-	<5					
12	7218	25	60	3	-	<5					
13	7219	20	55	3	-	<5					
14	7220	25	70	3	-	<5					
15	7221	25	80	3	-	<5					
16	7222	30	90	1	0.001	15					
17	7223	25	60	3	<0.001	25					
18	7224	25	80	3	0.002	25					
19	7225	25	65	4	0.001	30					
20	7226	25	70	7	<0.001	30					
21	7227	25	60	4	0.001	20					
22	7228	25	45	3	0.001	15					
23	7229	25	60	5	0.001	10					
24	7230	25	60	4	<0.001	25					
25	7231	25	60	4	0.001	25					

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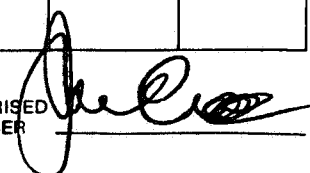
			449.0.06.02965				07/04/89		0651		25 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb						
1	7232	25	60	6	0.001	20						
2	7233	20	55	2	0.001	25						
3	7234	20	60	3	0.002	10						
4	7235	20	60	6	<0.001	15						
5	7236	20	55	19	<0.001	10						
6	7237	20	45	2	<0.001	10						
7	7238	15	50	2	<0.001	10						
8	7239	25	50	1	0.001	10						
9	7240	25	75	4	0.001	15						
10	7241	20	55	6	0.001	5						
11	7242	25	60	3	<0.001	15						
12	7243	25	65	4	<0.001	10						
13	7244	25	75	2	0.001	10						
14	7245	30	75	3	<0.001	15						
15	7246	35	75	4	0.001	10						
16	7247	25	60	3	0.001	10						
17	7501	20	70	2	-	5						
18	7502	30	45	3	-	10						
19	7503	25	35	1	-	5						
20	7504	15	30	1	-	5						
21	7505	20	40	1	-	5						
22	7506	20	40	<1	-	5						
23	7507	20	40	1	-	<5						
24	7508	15	40	6	-	<5						
25	7509	15	40	1	-	<5						

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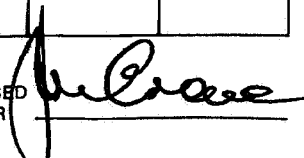
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7510	20	40	<1	-	5				
2	7511	15	35	2	-	5				
3	7512	15	35	1	-	5				
4	7513	15	35	2	-	5				
5	7514	25	55	4	-	10				
6	7515	SNR	SNR	SNR	-	SNR				
7	7516	25	80	3	-	15				
8	7517	35	70	4	-	10				
9	7518	SNR	SNR	SNR	-	SNR				
10	7519	15	35	5	-	10				
11	7520	SNR	SNR	SNR	-	SNR				
12	7521	25	55	4	-	5				
13	7522	20	55	5	-	10				
14	7523	20	50	7	-	5				
15	7524	20	55	8	-	10				
16	7525	25	60	8	-	10				
17	7526	20	50	1	-	10				
18	7527	20	60	5	-	5				
19	7528	20	70	6	-	10				
20	7529	SNR	SNR	SNR	-	SNR				
21	7530	25	55	4	-	5				
22	7531	15	40	3	-	5				
23	7532	15	40	7	-	10				
24	7533	15	40	3	-	5				
25	7534	15	45	2	-	5				

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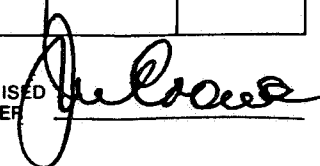
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	7535	15	40	1	-	5				
2	7536	20	50	1	-	5				
3	7537	20	50	<1	-	5				
4	7538	20	50	1	-	5				
5	7539	20	50	2	-	5				
6	7540	15	40	4	-	5				
7	7541	15	45	1	-	10				
8	7601	25	65	1	-	10				
9	7602	20	65	3	0.001	10				
10	7603	15	65	1	0.001	10				
11	7604	20	60	5	<0.001	15				
12	7605	15	45	2	0.001	15				
13	7606	20	70	2	<0.001	15				
14	7607	15	50	1	<0.001	10				
15	7608	20	50	<1	<0.001	10				
16	7609	20	60	<1	0.001	15				
17	7610	20	55	3	0.003	100				
18	7611	25	55	<1	0.004	20				
19	7612	30	60	4	0.001	25				
20	7613	30	70	4	0.005	30				
21	7614	40	70	3	0.001	25				
22	7615	35	60	1	0.001	25				
23	7616	25	55	<1	0.001	15				
24	7617	40	90	5	0.001	20				
25	7618	80	80	3	0.001	15				

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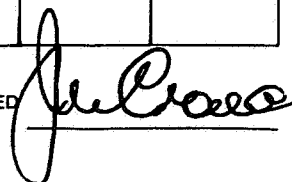
		449.0.06.02965				07/04/89		0651		28 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb					
1	7619	30	60	6	0.002	20					
2	7620	25	65	5	0.003	15					
3	7621	25	70	1	0.006	10					
4	7622	25	70	<1	0.002	10					
5	7623	20	75	4	<0.001	5					
6	7624	25	65	4	<0.001	10					
7	7625	30	95	1	<0.001	20					
8	7626	25	70	<1	0.001	15					
9	7627	30	80	1	0.001	35					
10	7628	30	65	3	<0.001	10					
11	7629	20	70	2	<0.001	10					
12	7630	20	65	2	0.005	5					
13	7631	25	65	<1	0.002	10					
14	7632	30	70	5	0.001	10					
15	7633	25	65	3	0.001	5					
16	7634	20	45	1	<0.001	<5					
17	7635	25	60	3	0.001	5					
18	7636	30	50	4	0.001	10					
19	7637	30	60	4	0.002	20					
20	7638	25	50	1	0.001	20					
21	7639	30	75	3	<0.001	15					
22	7640	25	50	4	0.001	10					
23	7641	15	50	3	0.001	10					
24	7642	30	80	4	0.001	25					
25	7643	25	70	3	0.001	20					

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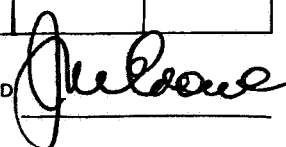
			449.0.06.02965			07/04/89		0651		29 OF 30	
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb					
1	7644	30	75	1	0.001	20					
2	7645	25	60	3	0.001	15					
3	7646	25	50	1	0.002	15					
4	7647	30	75	4	0.002	10					
5	7648	30	70	3	0.001	10					
6	7649	25	80	1	<0.001	15					
7	7650	25	70	<1	<0.001	15					
8	QC000	30	50	2	-	5					
9	QC020	25	50	1	-	<5					
10	QC040	15	25	<1	-	5					
11	QC060	10	20	1	-	<5					
12	QC080	SNR	SNR	SNR	-	SNR					
13	QC100	35	60	1	-	5					
14	QC120	40	85	1	-	<5					
15	QC140	15	25	3	-	<5					
16	QC160	20	50	3	-	<5					
17	QC1860	20	45	2	0.001	5					
18	QC1880	15	45	1	<0.001	10					
19	QC1900	30	90	2	0.001	25					
20	QC1960	55	65	5	-	15					
21	QC1980	25	50	6	-	20					
22	QC2000	20	60	2	-	10					
23	QC6660	25	70	4	<0.001	15					
24	QC6680	25	45	5	0.002	<5					
25	QC6700	25	50	3	0.001	10					

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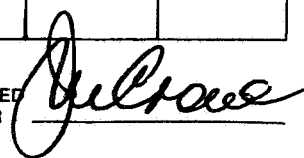
TUBE No.	SAMPLE No.	Cu	Zn	As	Au	Pb				
1	QC6960	20	65	3	-	<5				
2	QC6980	95	110	4	-	10				
3	QC7000	40	80	5	-	15				
4	QC7020	20	50	4	-	10				
5	QC7040	20	45	2	-	5				
6	QC7060	15	40	4	-	5				
7	QC7080	15	40	3	-	5				
8	QC7100	15	45	3	-	5				
9	QC7120	20	60	4	-	10				
10	QC7140	25	80	4	-	15				
11	QC7160	20	55	5	-	10				
12	QC7180	20	55	5	-	10				
13	QC7200	15	45	<1	-	10				
14	QC7220	20	60	4	-	15				
15	QC7240	25	70	4	0.001	20				
16	QC7520	SNR	SNR	SNR	-	SNR				
17	QC7540	15	35	2	-	5				
18	QC7620	20	50	5	0.001	20				
19	QC7640	20	50	5	0.003	25				
20										
21										
22										
23	DETECTION	5	5	1	0.001	5				
24	UNITS	ppm	ppm	ppm	ppm	ppm				
25	METHOD	101	101	114	334	101				

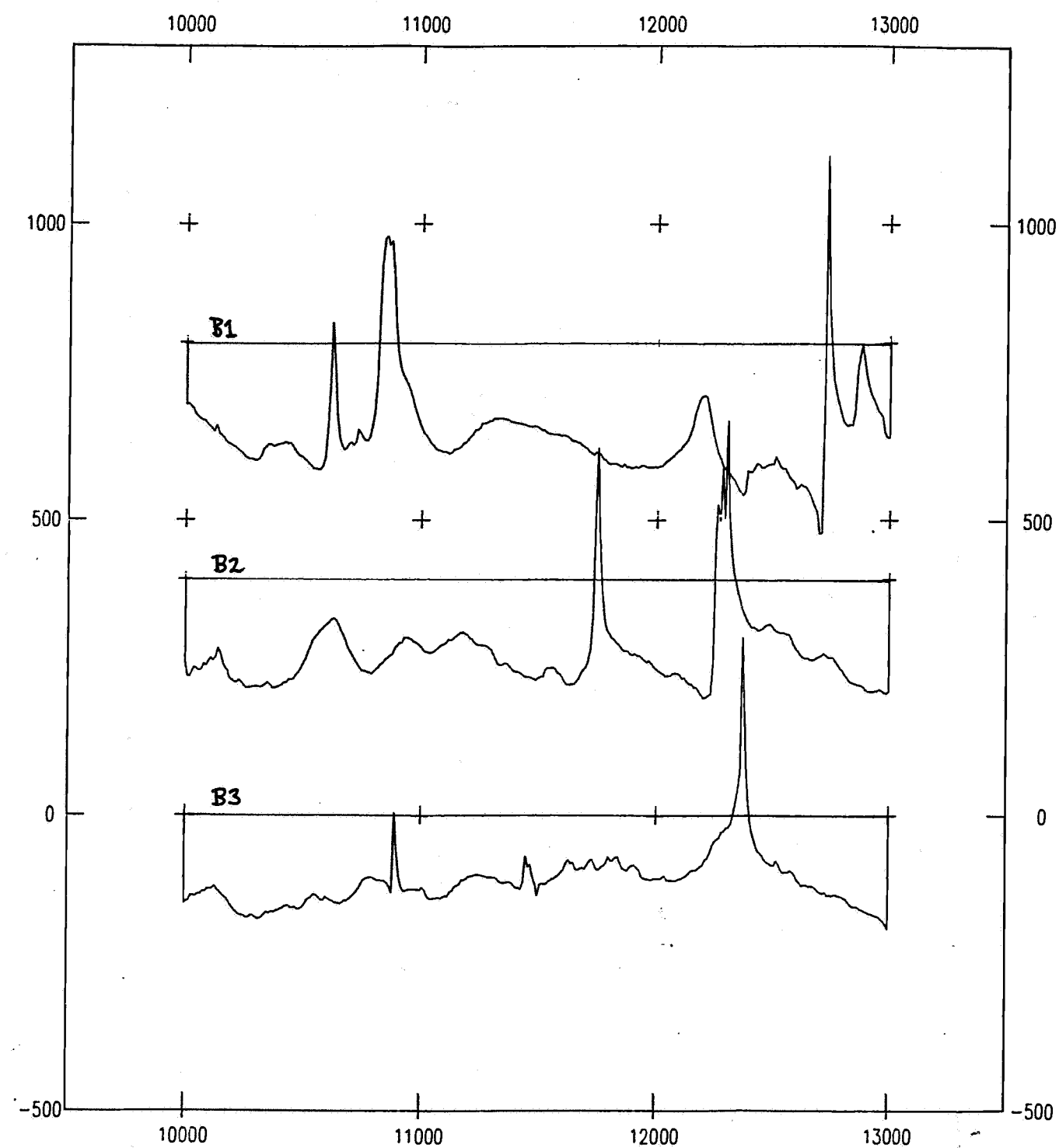
Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

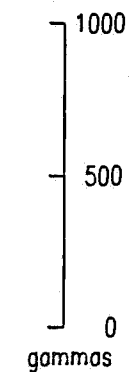
AUTHORISED
OFFICER




Y SCALE 1:10000



Z SCALE 1:250



X SCALE 1:25000



PERILYA MINES N.L.

LAKE GILLES

BURKITT LINES 1,2,3

GROUND MAGNETICS

FIGURE 4

X SCALE 1:25000

Y SCALE 1:10000

Z SCALE 1:250

Z BASE LEVEL : 59000

DRAWN BY :

DATE : 21/ 4/1989

0093

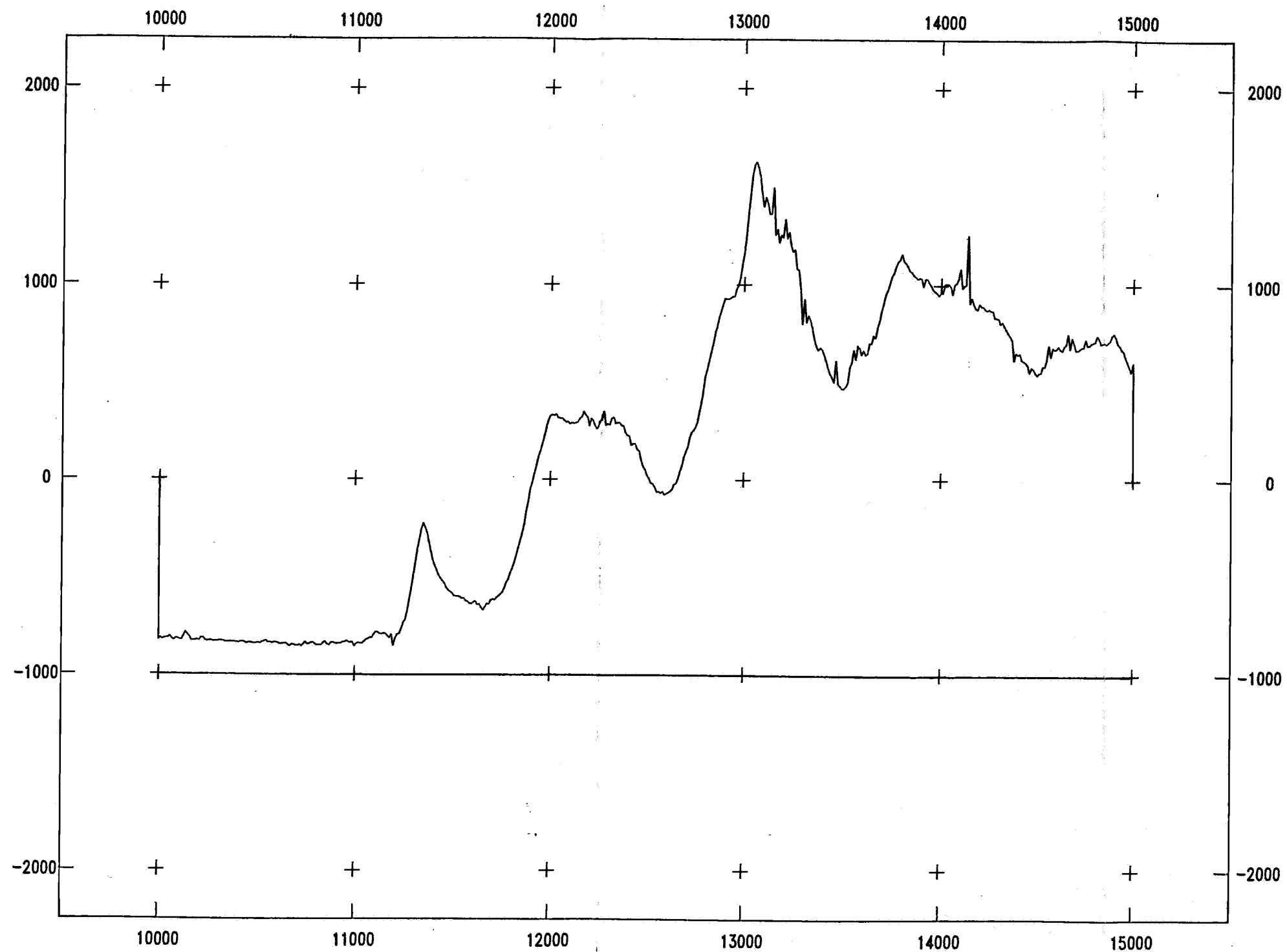


FIGURE 5
 PICKAXE DAM LINE 1
 GROUND MAGNETICS PROFILE
 SCALE 1:25,000

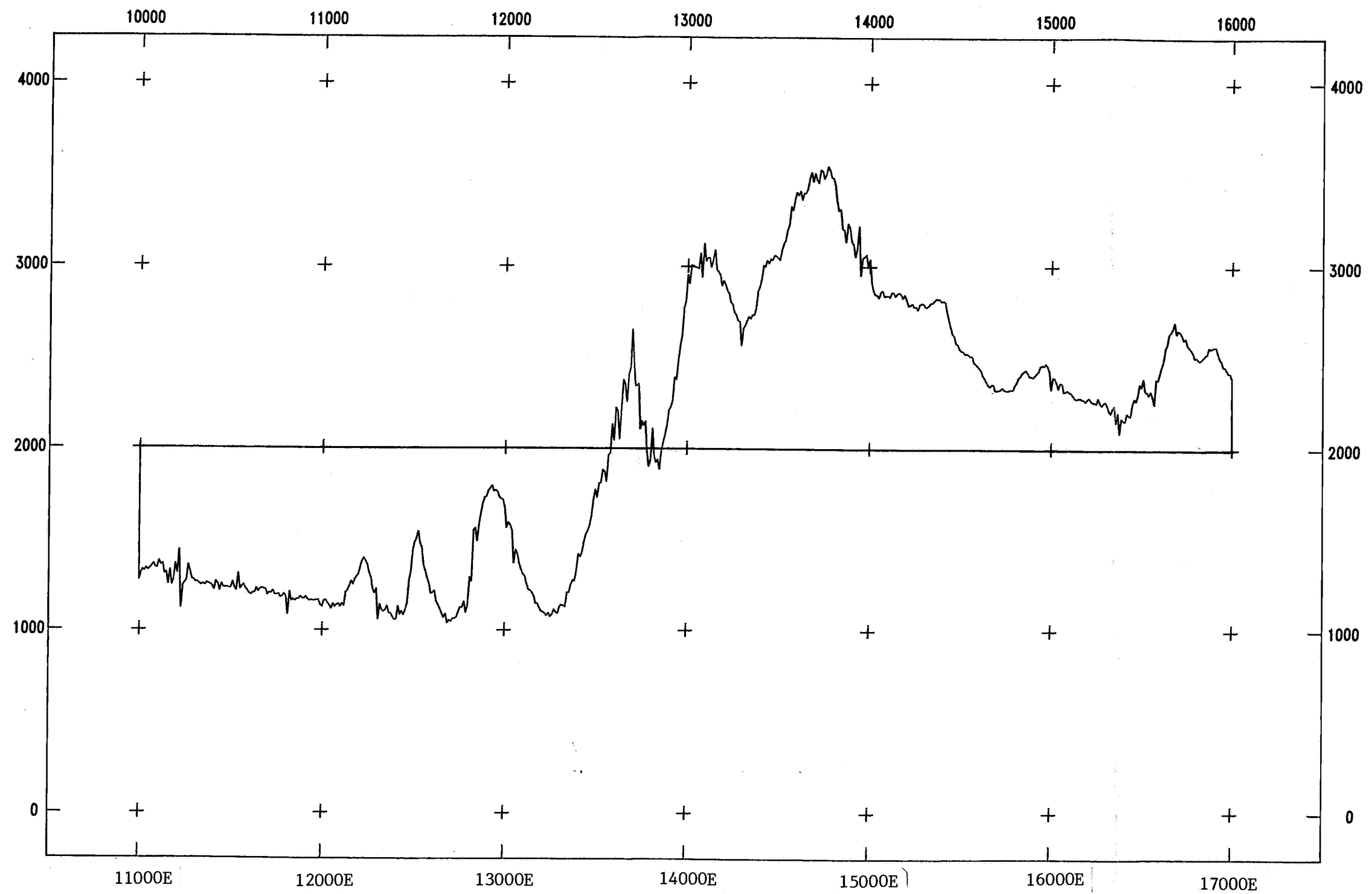


FIGURE 6
 PICKAXE DAM LINE 2
 GROUND MAGNETICS PROFILE
 SCALE 1:25,000

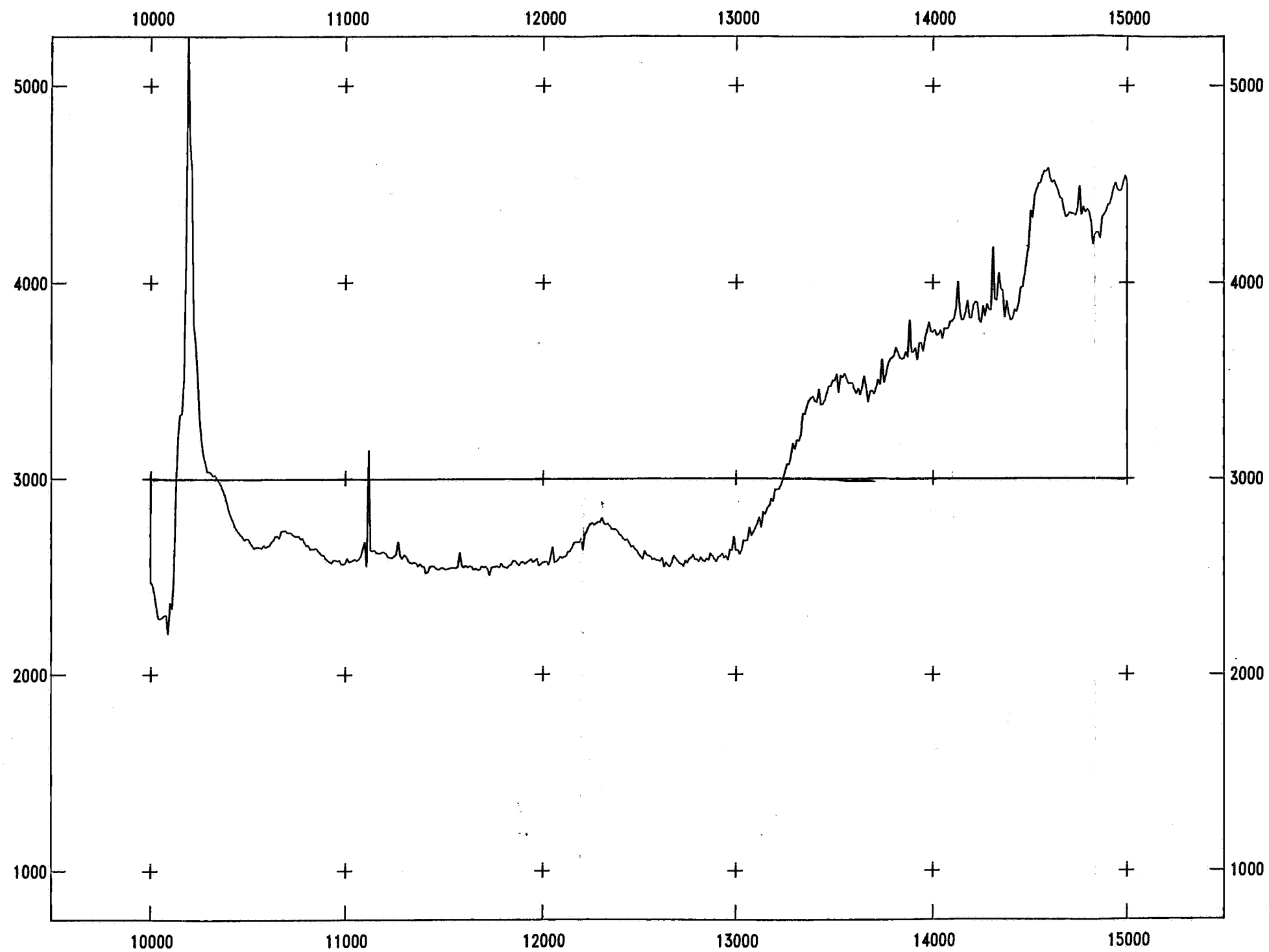


FIGURE 7
 PICKAXE DAM LINE 3
 GROUND MAGNETICS PROFILE
 SCALE 1:25,000

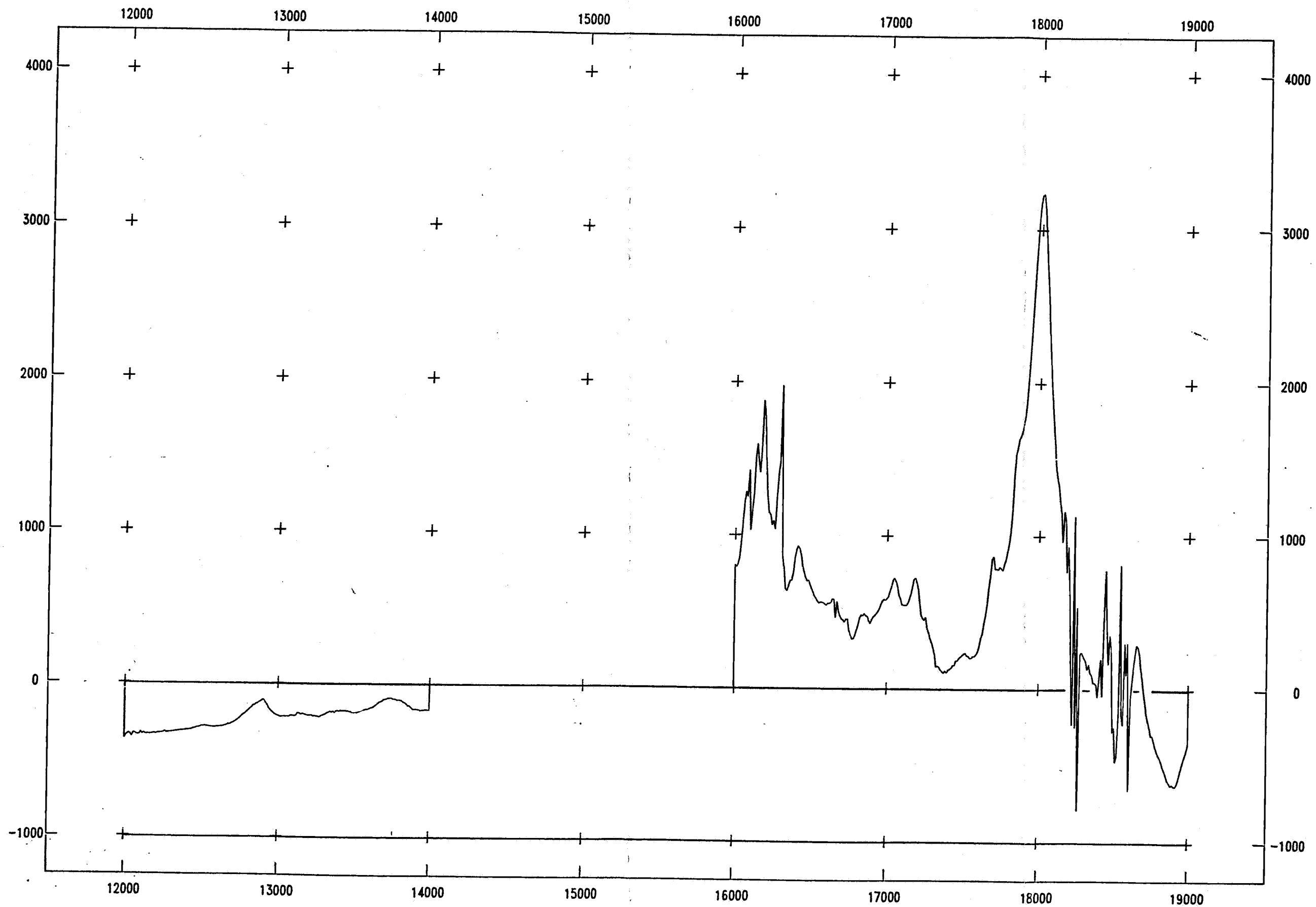
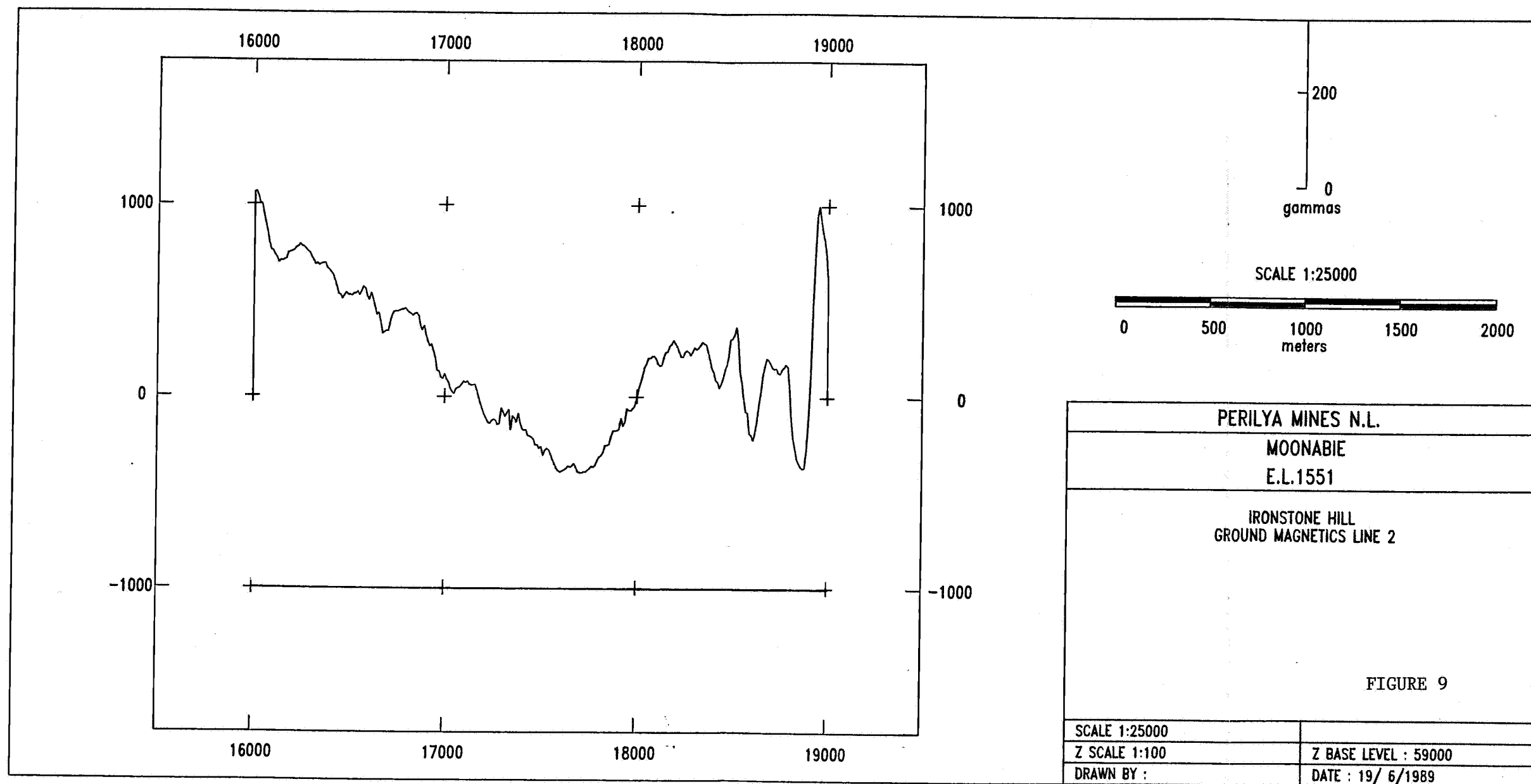


FIGURE 8
 IRONSTONE HILL LINE 1
 GROUND MAGNETICS PROFILE
 SCALE 1:25,000





Note. Only Au values > 0.002 ppm have been plotted

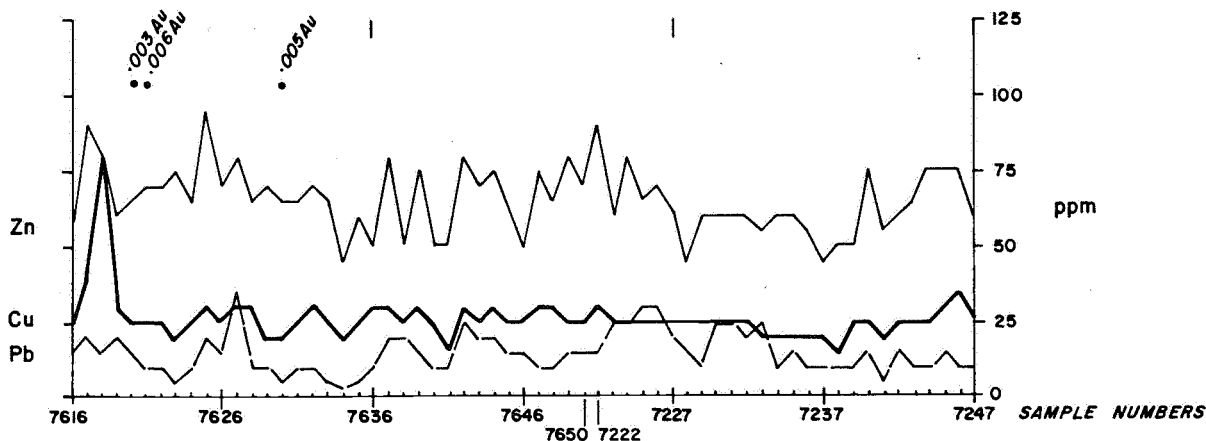
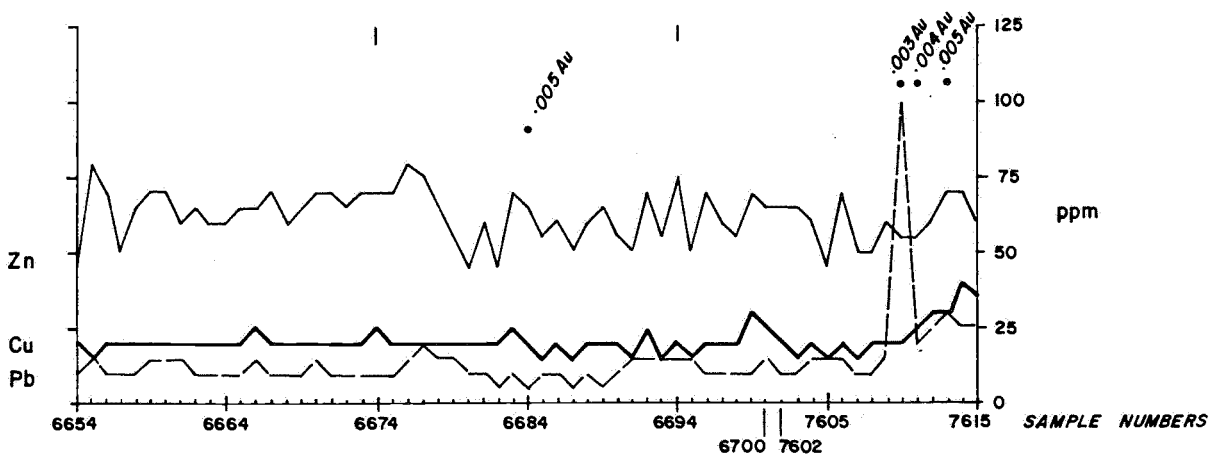
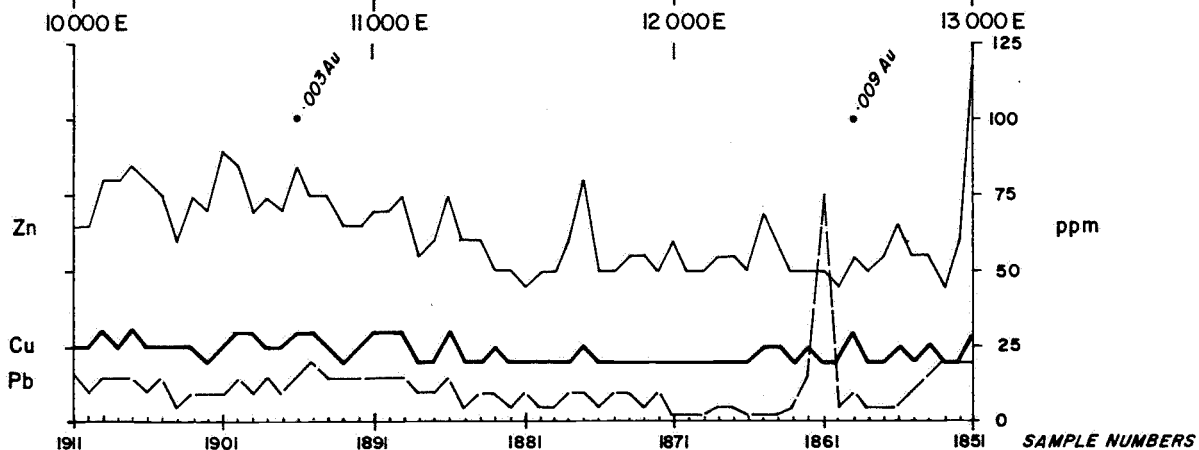
0 200 400 600 800 1000 metres
Scale 1:25 000

PERILYA MINES N.L.
LAKE GILLES JOINT VENTURE
BURKITT-LINES 1 to 3
SOIL GEOCHEMISTRY
Cu, Pb, Zn, Au

Geo. St. John

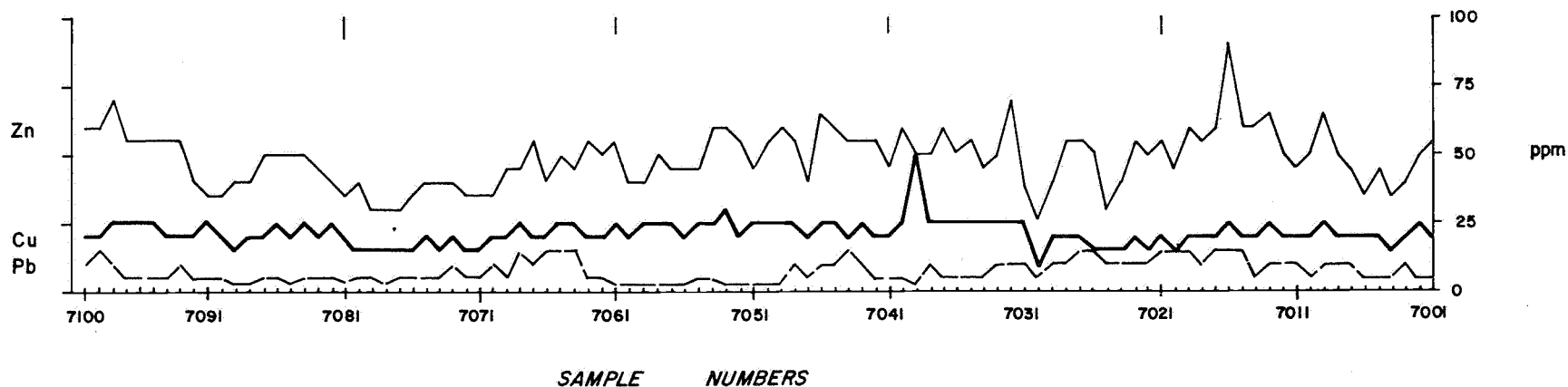
Date. Nov. 1989

FIGURE 10



0104

0105



0 200 400 600 800 1000 metres
Scale 1:25 000

PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

PICKAXE DAM - LINE 1

SOIL GEOCHEMISTRY
Cu, Pb, Zn

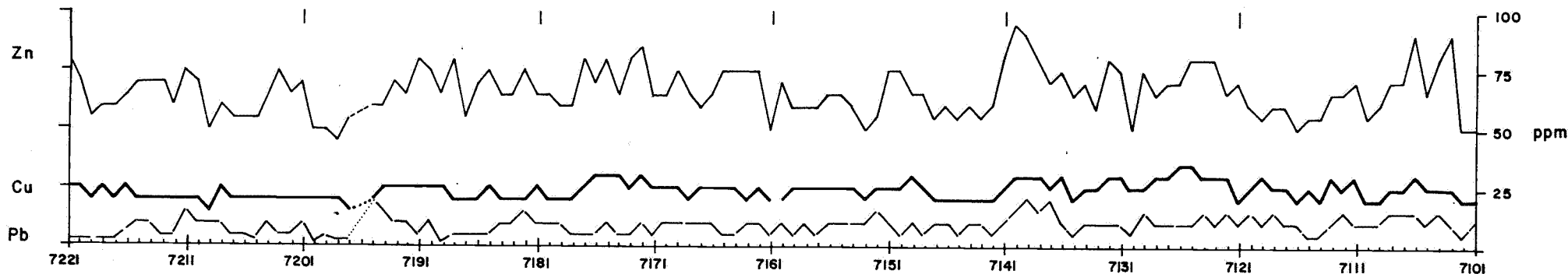
Geo. S.Thornett

Date. Nov. 1989

FIGURE 11

11 000 E 12 000 E 13 000 E 14 000 E 15 000 E 16 000 E 17 000 E

0106



SAMPLE NUMBERS



0 200 400 600 800 1000 metres
Scale 1:25 000

PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

PICKAXE DAM - LINE 2

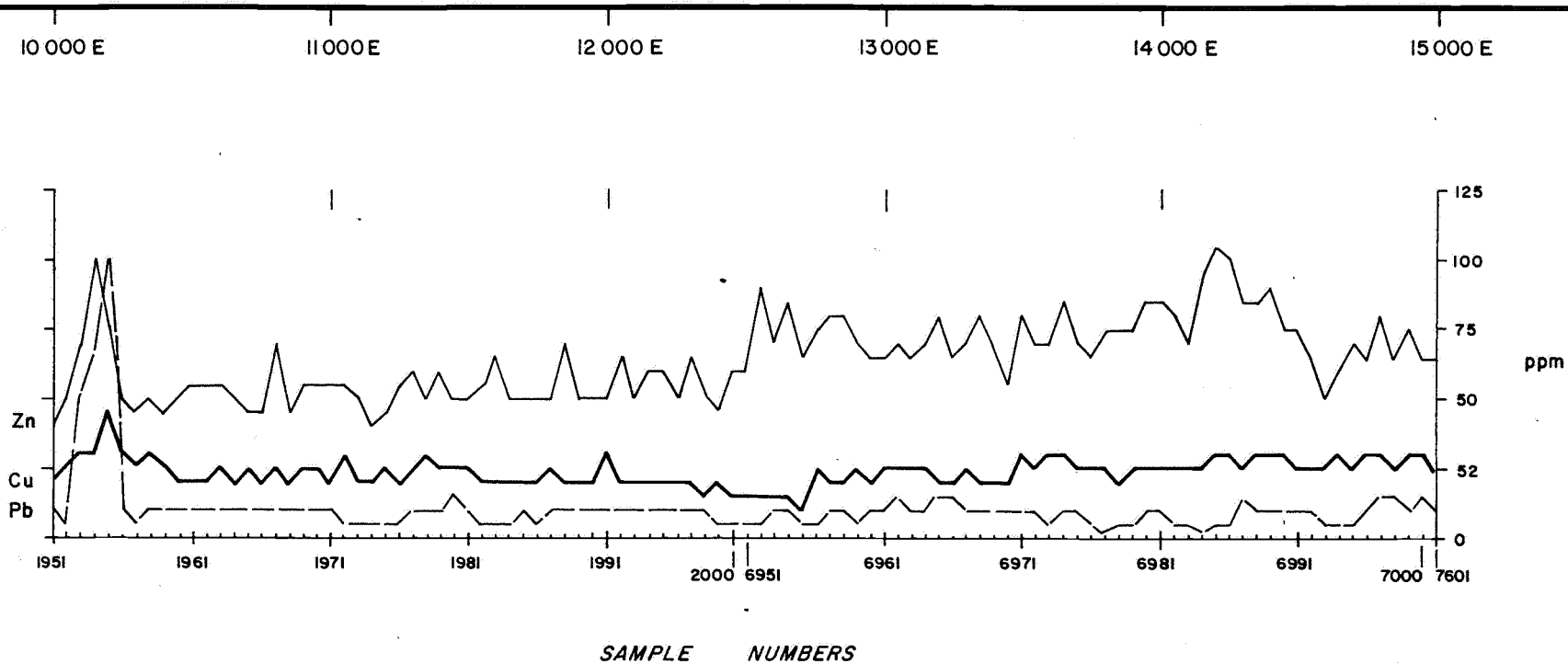
SOIL GEOCHEMISTRY
Cu, Pb, Zn

Geo. S Thorndell

Date. Nov. 1989

FIGURE

12



0 200 400 600 800 1000 metres
Scale 1:25 000

PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

PICKAXE DAM - LINE 3

SOIL GEOCHEMISTRY
Cu, Pb, Zn

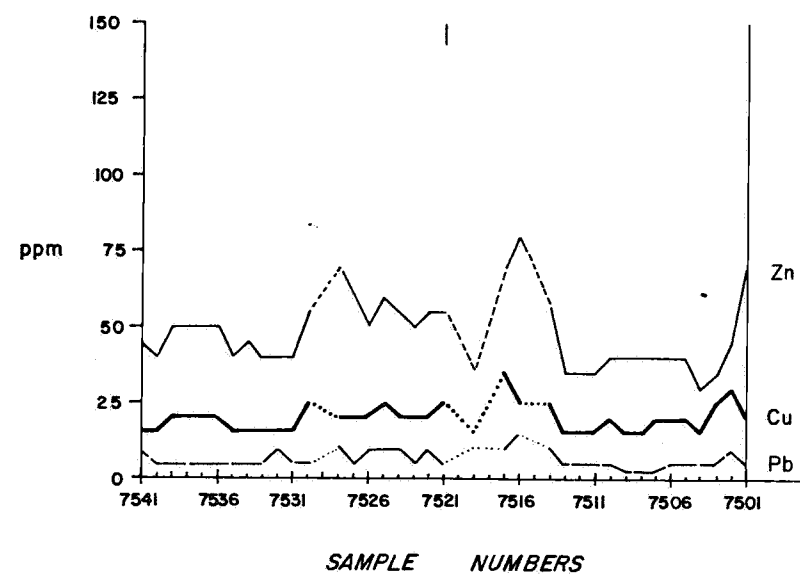
Geo. S.Thornett

Date. Nov. 1989

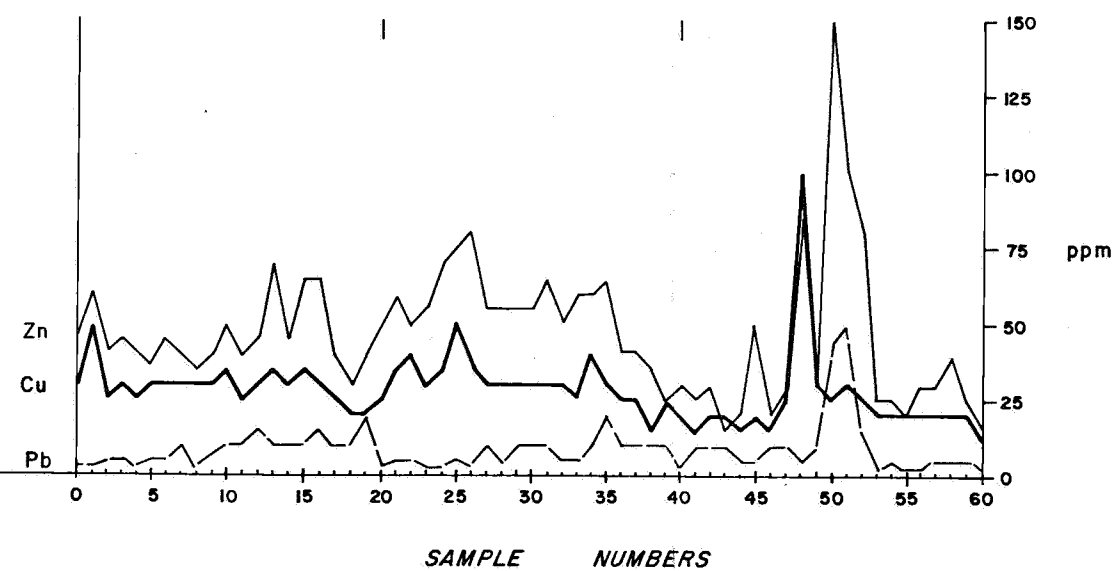
FIGURE

13

12 000 E 13 000 E 14 000 E 15 000 E 16 000 E 17 000 E 18 000 E 19 000 E



IRONSTONE HILL - LINE 1 (WEST)



IRONSTONE HILL - LINE 1 (EAST)



0 200 400 600 800 1000 metres
Scale 1:25 000

PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

IRONSTONE HILL - LINE 1

SOIL GEOCHEMISTRY
Cu, Pb, Zn

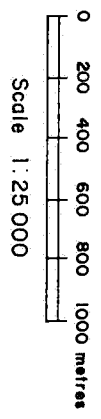
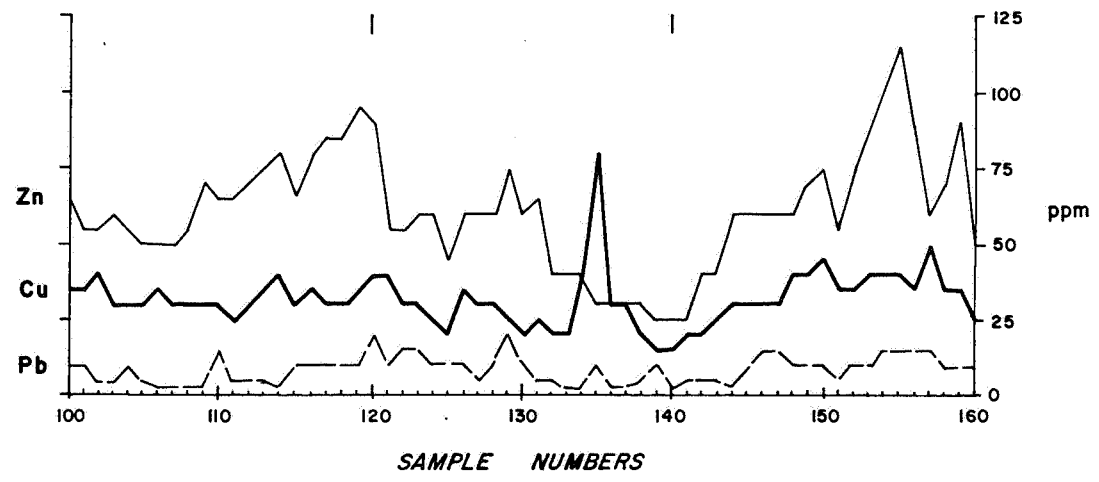
Geo. S.Thornett

Date Nov. 1989

FIGURE 14

0109

16 000 E 17 000 E 18 000 E 19 000 E



PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

IRONSTONE HILL - LINE 2

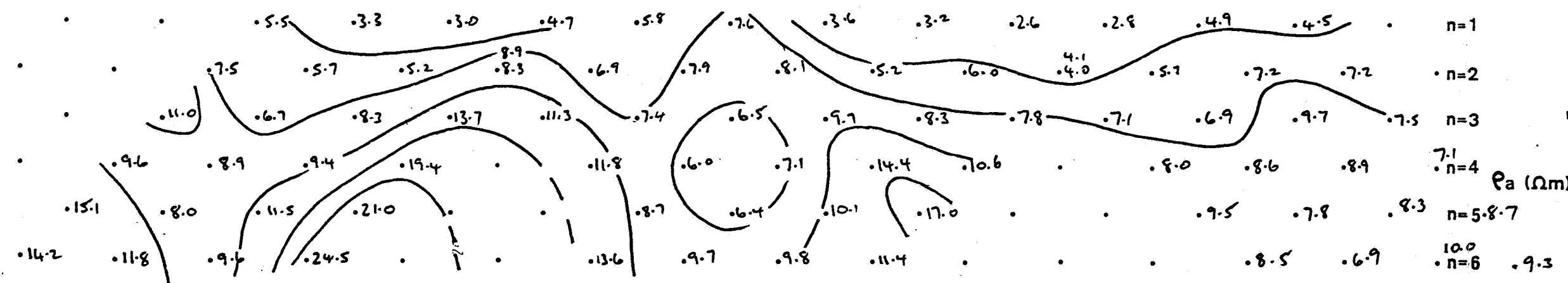
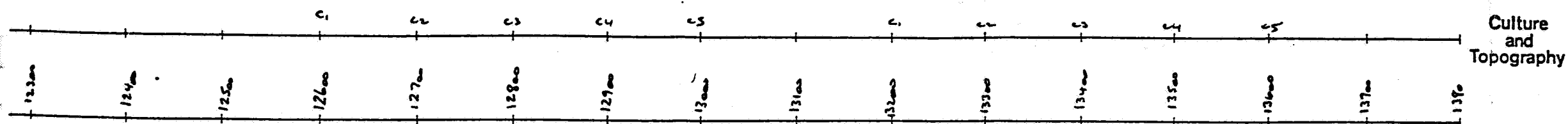
SOIL GEOCHEMISTRY

Cu, Pb, Zn

INDUCED POLARIZATION

AND 0110

RESISTIVITY SURVEY



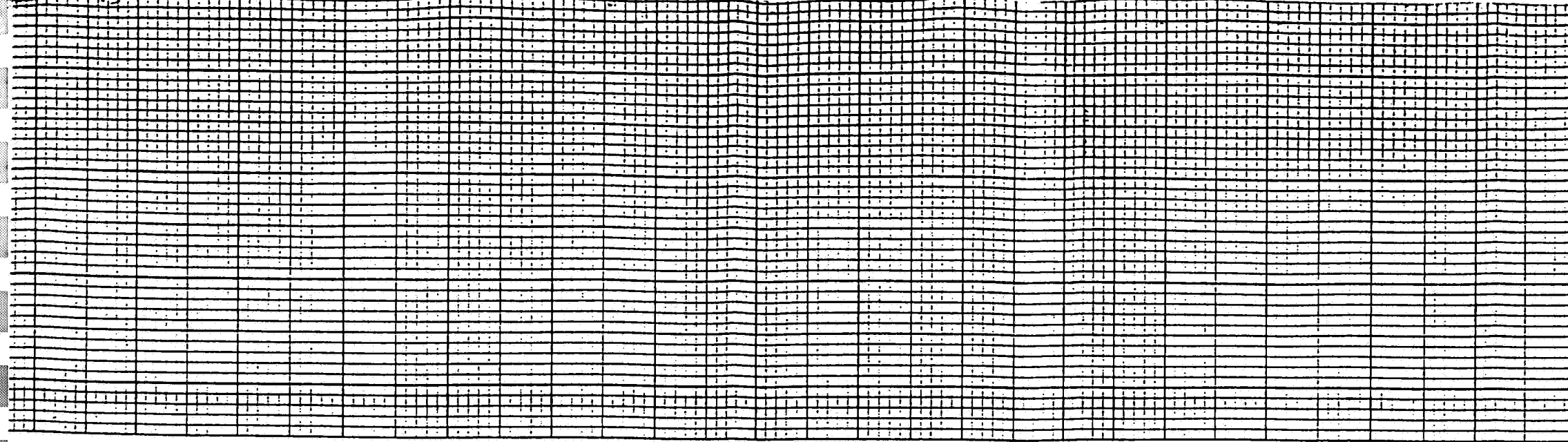
LOGARITHMIC CONTOURS

Intervals	10	13	16	20	25	32	40	50	63	79	100
10	10	13	16	20	25	32	40	50	63	79	100
10	10	13	16	20	25	32	40	50	63	79	100
10	10	13	16	20	25	32	40	50	63	79	100

Electrode Array: Dipole - Dipole

Anomaly Strong WeakContour Interval: Logarithmic Linear graph scale: 2 cm = Dipole size: 100 mSCALE: 1 : 5000PROJECT
(Tenement name and No.): LAKE GILLESProspect: PICKAXE DAM1:250 000 Sheet
and No: CR No: LINE: T2

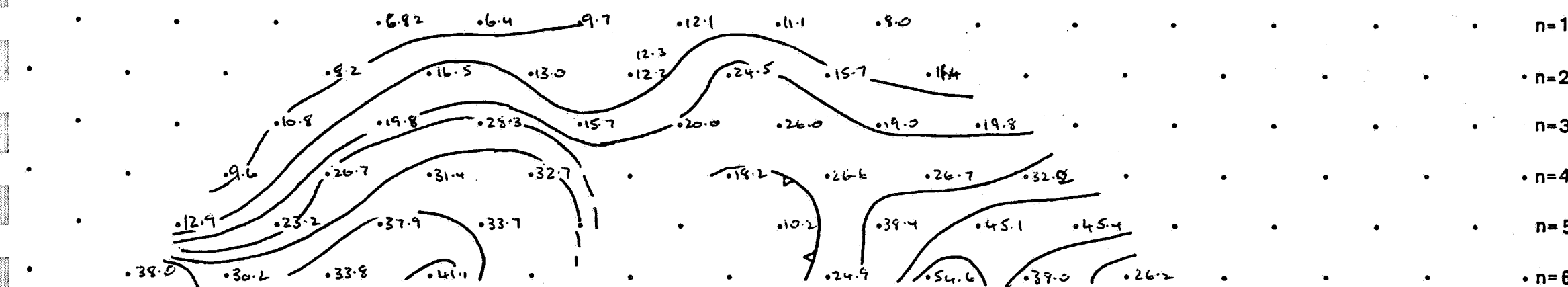
INDUCED POLARIZATION AND 0111 RESISTIVITY SURVEY



9600 9700 9800 9900 10000 10100 10200 10300 10400 10500 10600 10700 10800 10900

Culture and Topography

C1 C2 C3 C4 C5



n=1
n=2
n=3
n=4
n=5
n=6

ρ_a (Ωm)

I.P. Unit: Tx. ERT Rx. MKIV

Freq. or Int. Period: 2 Sec

Date of Survey: 3/3/89

Field Sheet No: _____

Approved: _____

LOGARITHMIC CONTOURS		CONTOUR CHOICE												
10	Intervals	1-0	1-3	1-6	2-0	2-5	3-2	4-0	5-0	6-3	7-9	10-0		
8		1-0	1-3	1-6	2-4	3-2	4-2	5-6	7-5	10-0				
6		1-0	1-5	2-0	3-0	5-0	7-5	10-0						

Electrode Array: Dipole - Dipole

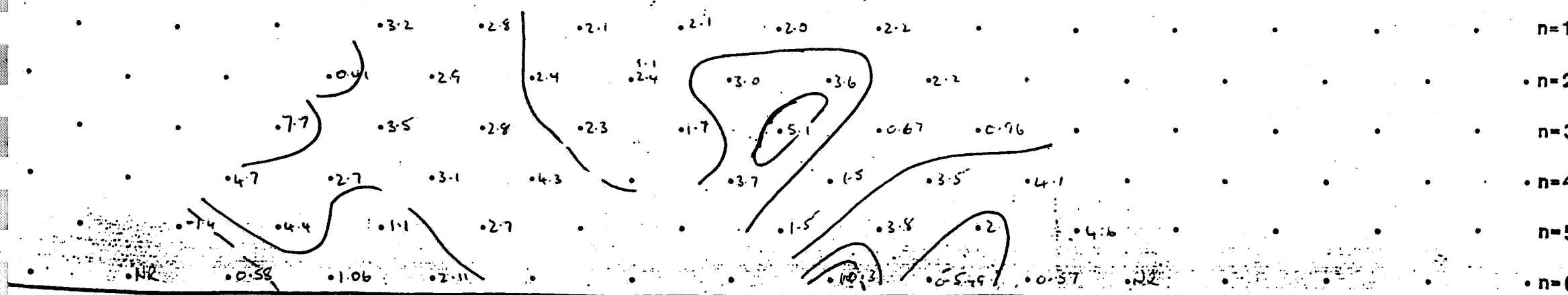
Anomaly Strong Weak

Contour Interval: Logarithmic ☒ ☐ ☐

Linear graph scale: 2 cm = _____

Dipole size: 100 m

SCALE: 1:5000



n=1
n=2
n=3
n=4
n=5
n=6

P.F.E. (%)
or
Chargeability
(msec)

T/C

PROJECT
(Tenement name and No): LAKE GILLES

Prospect: PICKAKE DAM

1:250 000 Sheet
and No: _____

CR No: _____

LINE: T 3

INDUCED POLARIZATION

AND 0112

RESISTIVITY SURVEY

Culture
and
TopographyGEOLOGIC HUNTER
I.P. Unit: Tx. FT4 Rx. HKIVFreq. or Int. Period: 2Date of Survey: 9/10/89

Field Sheet No: _____

Approved: _____

LOGARITHMIC CONTOURS	Interval	CONTOUR CHOICE									
		10	13	16	20	25	32	40	50	63	79
		10	13	16	20	25	32	40	50	63	79

 ρ_a (Ωm)

Electrode Array: Dipole - Dipole

Anomaly Strong WeakContour Interval: Logarithmic ☒ ☐ ☐

Linear graph scale: 2 cm = _____

Dipole size: 100 metresSCALE: 1:5000PROJECT
(Tenement name
and No.): Ironstone HillProspect: MOONABIE1:250 000 Sheet
and No: _____

CR No: _____

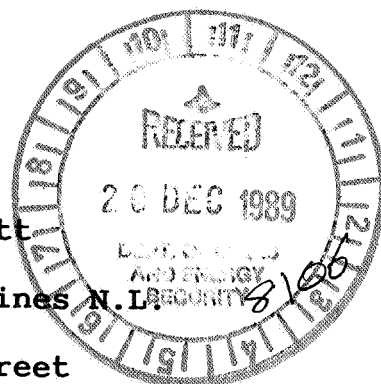
LINE: I H 2

**LAKE GILLES
JOINT VENTURE**

**QUARTERLY REPORT
FOR EL 1532
(LAKE GILLES) AND
EL 1551 (MOONABIE)
FOR THE PERIOD ENDING
30TH NOVEMBER 1989**

S. Thornett

**Perilya Mines N.L.
9th Floor
5 Mill Street
Perth WA 6000**



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out on samples from the Pickaxe Dam Area.**

1. INTRODUCTION

Exploration Licences 1532 (Lake Gilles) and 1551 (Moonabie) are located in the Eyre Peninsula region and were granted to Pondray Pty Ltd on October 26th and November 30th 1988 respectively. The tenements are subject to a joint venture between Pondray, Perilya Mines N.L. and Noranda Pty Limited. This report covers work carried out by Perilya Mines N.L. during the period 1st September to 30th November 1989. Tenement locations are shown on Figure 1.

2. EXPLORATION FOR BASE METALS AND GOLD

Figures 2 and 3 show the 9 traverse lines on which exploration in the area has focused. The following work has been completed:-

2.1 RAB Drilling Programme

As outlined in the previous quarterly report, selection of areas for drilling was based on the presence of anomalous geochemical results (either from past exploration or from 1989 soil sampling) and/or favourable geological position as interpreted from ground magnetometer survey results.

All areas were targeted for Cu, Pb and Zn mineralisation while drilling in the Burkitt area also aimed to test the contact aureole of the Burkitt Granite for possible gold mineralisation. Forty-six holes (B1 to B46) were drilled on 3 lines in the Burkitt area with locations as shown on Figure 4. The locations of P1 to P89, which were drilled on 3 lines at Pickaxe Dam, are shown on Figures 5 to 7. Drilling at Ironstone Hill was restricted to Line 3, where holes IH1 to IH21 were completed at 100 metre spacing (see Figure 8). At the end of the programme 5 holes numbered GD1 to GD5 were drilled near Gilles Downs homestead to test local Pb and Cu anomalies which had been outlined by past exploration. The locations of these holes are shown on Figure 9.

RAB chips were collected by the driller for every 1 metre interval and placed in lines on the ground for logging and sampling. Drill logs for all holes are included as Appendix 1 of this report.

2.2 Geology

All drilling was carried out in areas with no exposure of bedrock. In EL 1532, most holes penetrated 1 to 3m of sandy loam and a 1 to 2m silcrete layer before passing into white, brown or brick-red clays and eventually into weathered bedrock. The one line drilled in EL 1551 was covered with low dune sand deposits and most of the holes passed from overburden into hard, fresh bedrock at depths of 2 to 12 metres.

Bedrock in over 80% of the holes was either granite, leucogneiss or biotite gneiss. Intercalated metasediments included sillimanite schist, white-mica schist and rare quartzite and carbonaceous chert. Narrow units of banded iron formation occurred in a few holes. These Early Proterozoic rocks are part of the Cleve Metamorphics Sub-Domain and include sediments of the Hutchinson Group. In the northern part of EL 1532, the Hutchinson Group sediments are intruded by the Burkitt Granite (part of the Early to Middle Proterozoic Lincoln Complex). Middle Proterozoic dolerite dykes were intersected in a small number of holes at both Burkitt and Pickaxe and minor porphyritic rhyolite was drilled on the northern Burkitt line.

No sulphides were observed in any of the RAB chips nor was there any evidence of secondary Cu, Pb or Zn mineralisation. Apart from a few narrow banded iron formations, ironstone and iron-staining were rare.

2.3 Geochemistry

All weathered bedrock sections were sampled for geochemical analysis. Only a few samples were collected from overburden, generally where ironstone or laterite chips were present. Where possible, 2 or 3m composite samples of bedrock were collected, with 1m samples where there were rapid changes in geology. Sampling intervals were always tied in to changes in rock type or zones of different degrees of weathering or alteration. Samples averaged 1 to 2kg and were collected as grab samples.

A total of 402 samples was submitted to Analabs, South Australia for analysis for Cu, Pb and Zn by AAS 101. Ninety-nine of these from the Burkitt area were also analysed for Au by method 334 (aqua regia digest with carbon rod finish). All results are included in Appendix 2 of this report and sample numbers, intervals and results are recorded on individual drill logs in Appendix 1.

- 7 -

The analytical results obtained from the drilling programme were generally disappointing. Highest values returned were from the Burkitt area where weathered dolerite (dykes?) invariably gave elevated results, including values of Cu = 195ppm, Pb = 1180ppm and Zn = 1480ppm in hole B8. Results from metasediments in the Burkitt area were also elevated relative to the very low values from most granites and granite-derived gneisses. The only sample which returned a gold analysis >0.001ppm was 12990, which contained 0.005ppm Au and was a 3m sample of red clay containing 10% ferruginous metapelite chips.

At Pickaxe Dam, Cu analyses ranged up to 295ppm from banded iron formation in hole P64, while white-mica schist in hole P30 contained 215ppm Cu and the maximum Zn value for the area of 450ppm. Lead values at Pickaxe were low, with a maximum of 165ppm from biotite gneiss in hole P27. The 5 holes drilled just north of Gilles Downs homestead (GD1 to GD5) produced the following maximum values: Cu = 90, Pb = 120 and Zn = 180.

Samples collected from holes IH1 to IH21 on Ironstone Hill Line 3 also returned very low base metal results, with highest values of 65ppm for Cu, 70ppm for Pb and 120ppm for Zn.

3. INVESTIGATION OF KAOLIN DEPOSITS

3.1 Geology

Many of the RAB holes drilled in EL 1532 intersected white or pale yellow, green or beige clay horizons. These were particularly persistent in some sections of the Pickaxe Dam area where a white clay unit up to 23m thick was drilled (in hole P30 - Line 2).

The clay occurs below a "cap" of white silcrete which is usually at a depth of 2 to 4 metres below surface. It contains coarse (1-2mm) transparent quartz grains. Small (1½ to 2kg) samples of the clay were collected from 5 holes for possible examinations.

3.2 Analyses and Tests

Examination of the Lake Gilles clay samples was carried out in three stages (all results are included as Appendix 3 of this report).

- 8 -

(i) Semiquantitative XRD Analysis:

Four samples were submitted to Professor R.J. Gilkes of the Department of Soil Science, University of WA for determination of mineralogy by X-Ray Diffraction. Two of these samples were collected from hole P15 at depths of 11m and 14m (P15-11 and P15-14 respectively), one from hole P23 at 11m depth (P23-11) and one from P38 at 10m (P38-10).

All 4 samples contained in excess of 60% kaolinite (range = 60 to 80%) and from 15 to 30% quartz. Both samples from hole P15 contained 5% illite and in sample P23-11, illite comprised 10%. P38-10 was free of illite but contained a trace of halite. The kaolinite was reported to be moderately well crystalline and the quartz of coarse sand size.

(ii) Particle-Size Analysis and Brightness Determination

Sample P15-11 was submitted to the laboratories of the Division of Mineral Products, CSIRO for particle size distribution analysis and brightness measurement. The sample gave a minus 2 micron yield of 23.5%. This fraction has a brightness of 75.0 at a wavelength of 457nm, a yellow factor of 13.8 and is a pale salmon pink colour. The laboratory concluded that while the sample yields a reasonable percentage of -2 micron clays, its brightness is below that required for paper-coating and the colour indicates a moderately high iron content.

Insufficient volume of clay was available for testing viscosity (>3kg sample required).

(iii) Geochemical Analysis of Fe and Ti

A portion of the -2 micron clay was sent to Analabs, Perth for analysis of Fe and Ti content. It contained 2200ppm Ti (determined by pressed powder XRF) and 0.5% Fe (determined by AAS 104).

The investigations carried out on the clay horizons were very limited but have at least given an indication of the presence of -2 micron kaolinite in reasonable quantities but with poor natural colour qualities. In addition to problems with colour and brightness, the clay in the exploration licence would be expected to have an unacceptably high salt content and the area has an extremely poor supply of fresh water.

4. REFERENCES

PARKER, A.J., 1987: Archaean to Middle Proterozoic Mineralisation of the Gawler Craton (Including the Stuart Shelf Region) S.A. Department of Mines and Energy, South Australia. Geol. Surv. Rept. Bk. No 87/84.

PARKER, A.J., FANNING, C.M. and FLINT, R.B., 1985: Natural History of Eyre Peninsula - Chapter 2: Geology. R.Soc. S.A., pp 21-45.

- 10 -

5. EXPENDITURE5.1 EL 1532 - LAKE GILLES

FOR THE PERIOD 26 JULY 1989 TO 25 OCTOBER 1989

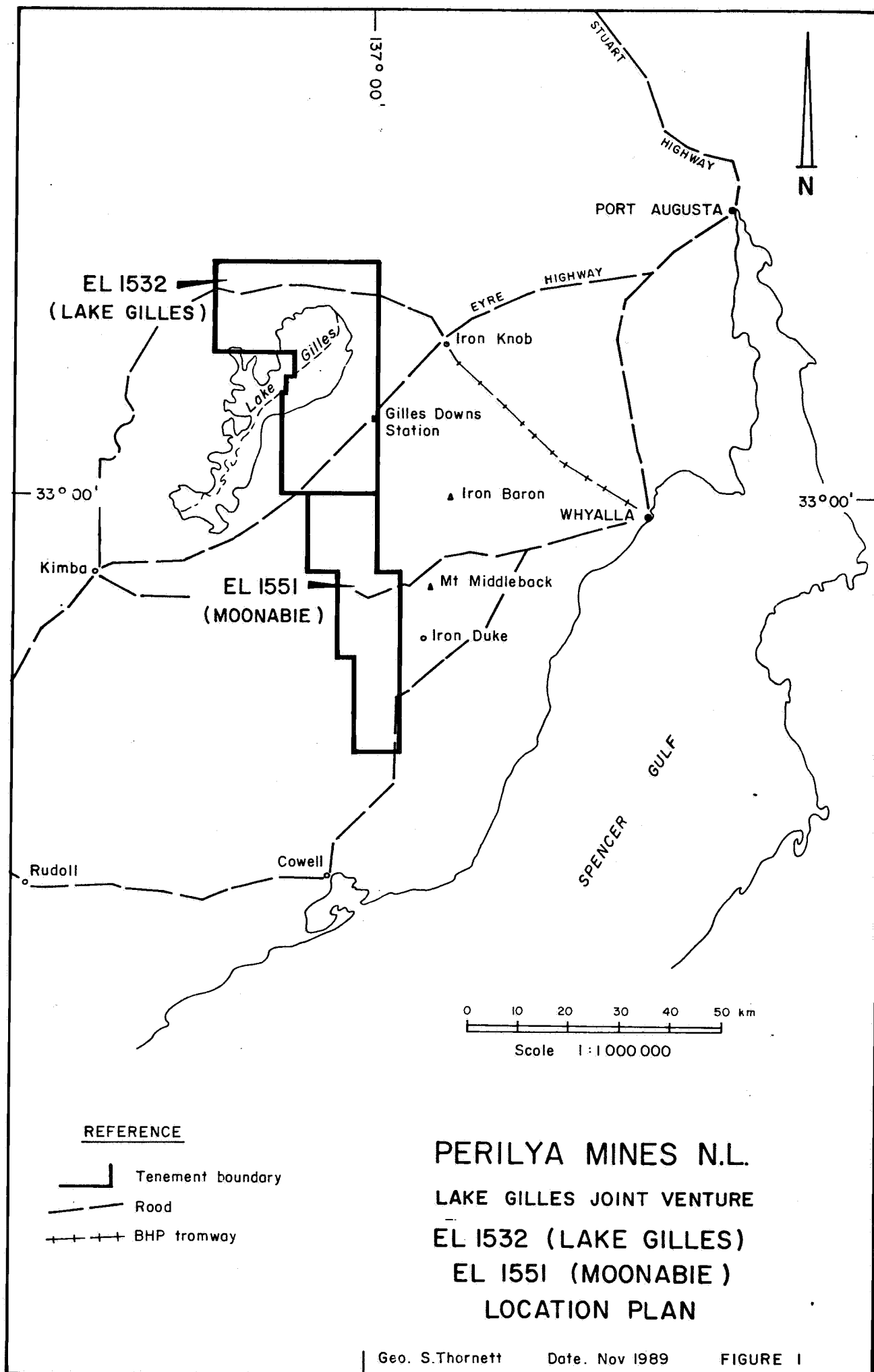
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Bank Charges	35.56
Wages - Technical	-
Wages - Field Hands	1,584.55
Analyses	2,588.75
Geological Consultants	8,073.50
Geophysics	-
Surveying and Gridding	-
Drafting and Printing	-
Tenement Fees and Rents	853.04
Tenement Acquisition Costs	-
Travel	516.97
Accommodation and Meals	1,951.28
Drafting Supplies, Photocopying and Printing	44.73
Communications	1.65
Office Services and Supplies	30.59
Data Acquisition	72.03
Overheads	4,759.20
Joint Venture Contributions	-
Field Work - Materials and Equipment	256.76
Vehicle Operating Costs	537.82
Vehicle Hire	1,977.98
Drilling	11,930.35
Roads and Tracks	921.25
Freight and Couriers	147.40
TOTAL	<u>\$36,450.91</u>

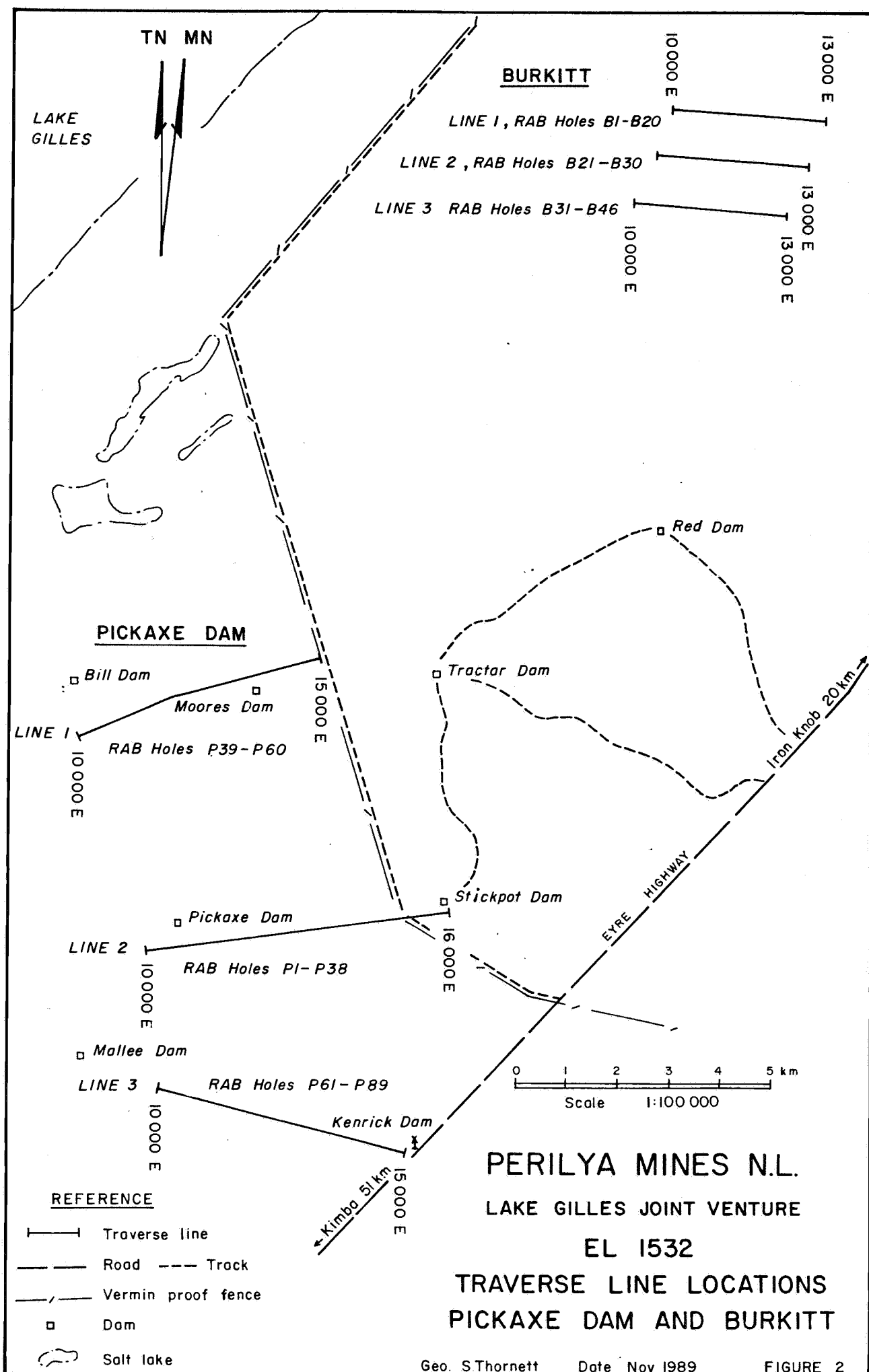
- 11 -

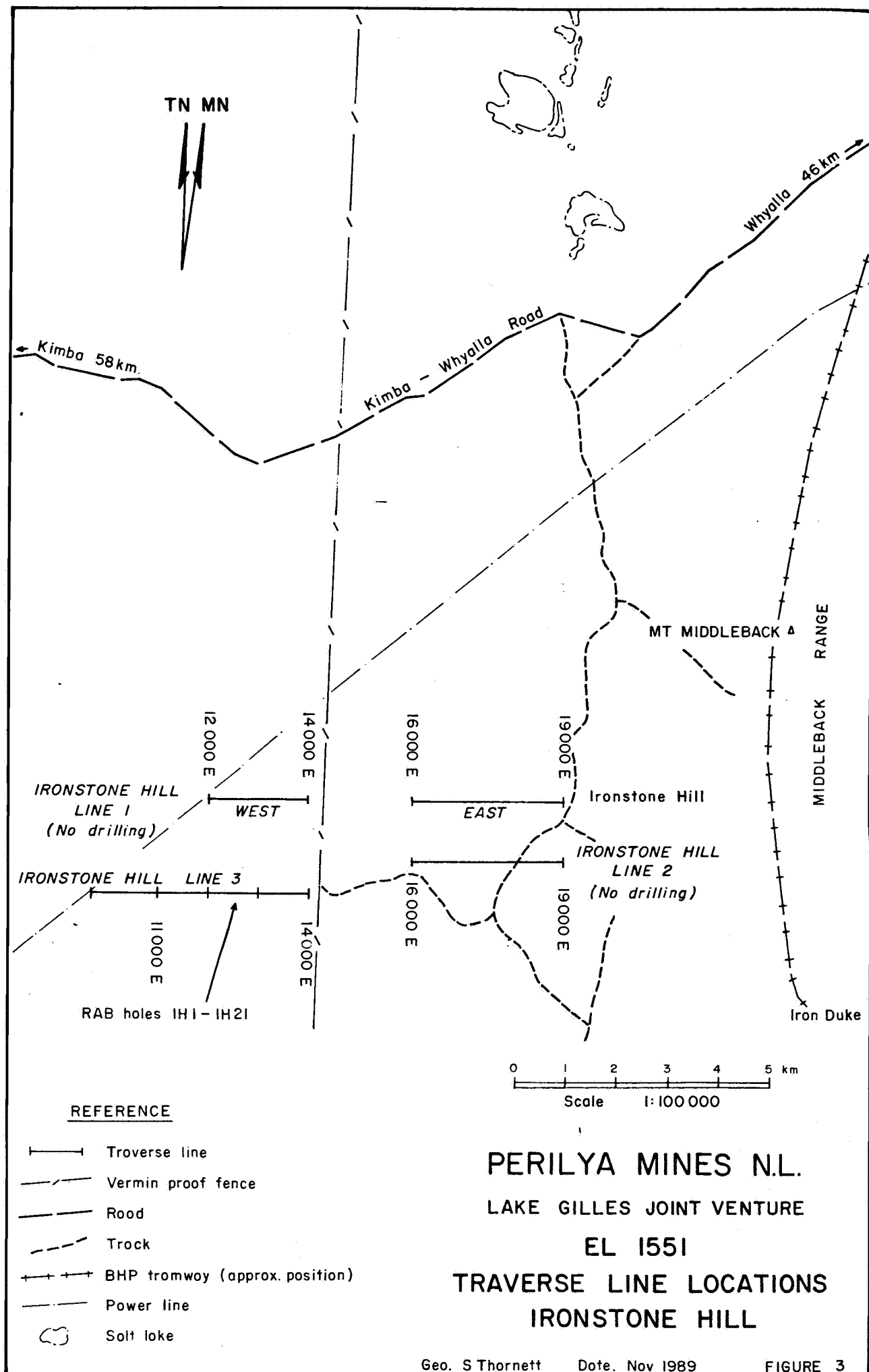
5.2 EL 1551 - MOONABIE

FOR THE PERIOD 1 SEPTEMBER 1989 TO 30 NOVEMBER 1989

Accounting	41.25
Bank Charges	19.73
Wages - Technical	-
Wages - Field Hands	353.92
Analyses	1,275.05
Geological Consultants	1,815.00
Geophysics	-
Surveying and Gridding	-
Drafting and Printing	170.38
Tenement Fees and Rents	420.16
Tenement Acquisition Costs	-
Travel	240.77
Accommodation and Meals	586.54
Drafting Supplies, Photocopying and Printing	20.18
Communications	0.81
Office Services and Supplies	12.85
Data Acquisition	35.47
Overheads	933.13
Joint Venture Contributions	-
Field Work - Materials and Equipment	17.21
Vehicle Operating Costs	146.88
Vehicle Hire	974.22
Drilling	-
Roads and Tracks	-
Freight and Couriers	72.60
TOTAL	<u>\$7,136.15</u>





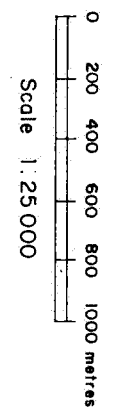
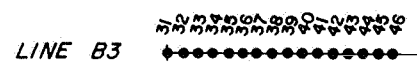
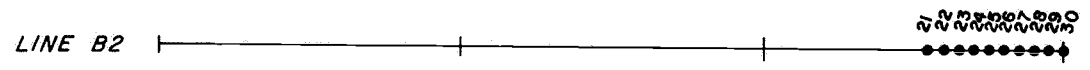
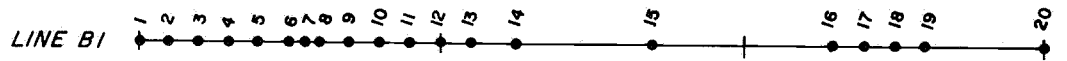


0127

10000 E 11000 E 12000 E 13000 E



Note. Hole No. prefix B



PERILYA MINES N.L.

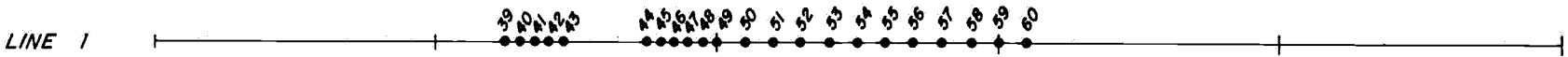
LAKE GILLES JOINT VENTURE

BURKITT-LINES 1 to 3

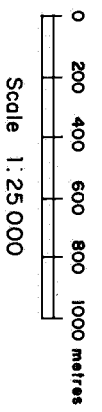
**RAB DRILL HOLE LOCATIONS
AND NUMBERS**

0128

10 000 E 11 000 E 12 000 E 13 000 E 14 000 E 15 000 E



Note. Hole No. prefix P



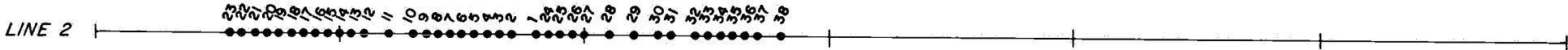
PERILYA MINES N.L.

LAKE GILLES JOINT VENTURE

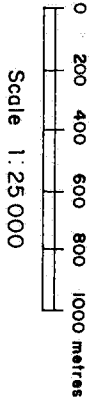
PICKAXE DAM - LINE 1

**RAB DRILL HOLE LOCATIONS
AND NUMBERS**

0129



Note. Hole No. prefix P



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LAKE GILLES JOINT VENTURE

PICKAXE DAM - LINE 2

**RAB DRILL HOLE LOCATIONS
AND NUMBERS**

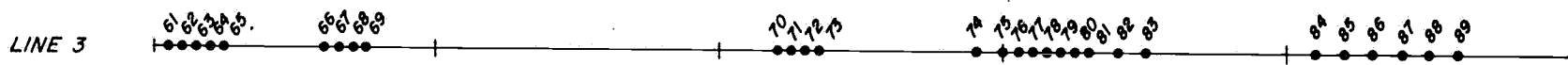
Geo. Storrrett

Date. Nov. 1989

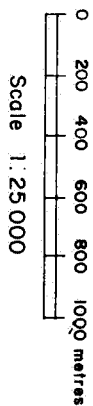
FIGURE

6

0130



Note: Hole No. prefix P



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LAKE GILLES JOINT VENTURE

PICKAXE DAM - LINE 3

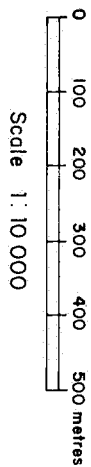
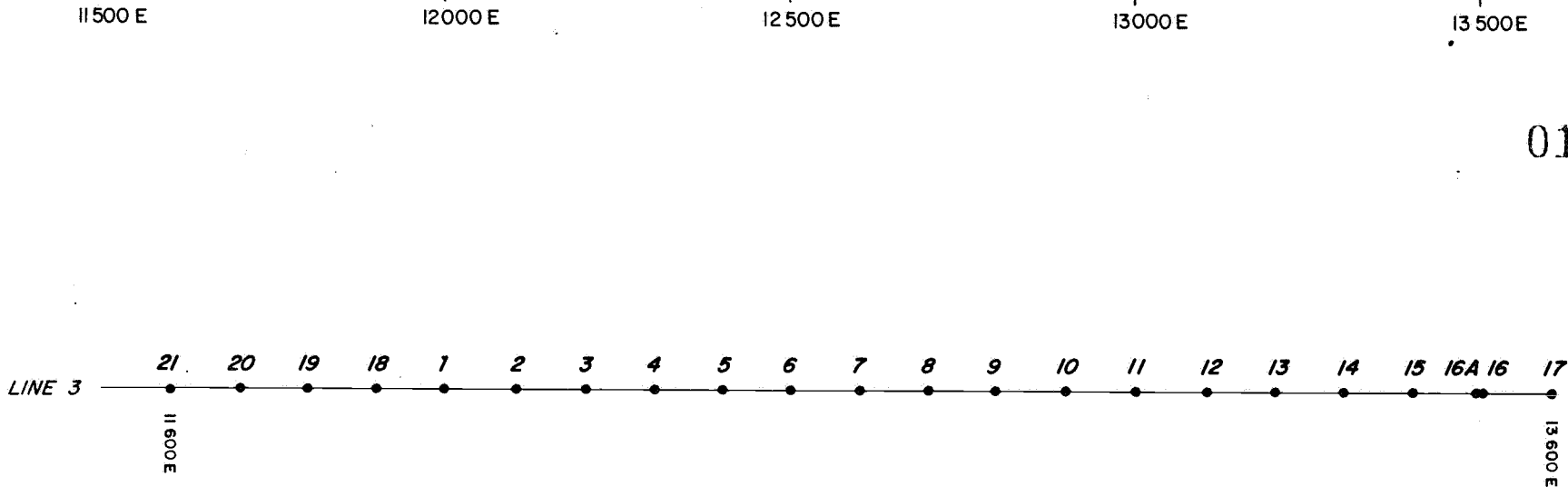
RAB DRILL HOLE LOCATIONS
AND NUMBERS

Geo. S.Thornett

Date. Nov. 1989

FIGURE

7



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LAKE GILLES JOINT VENTURE

IRONSTONE HILL - LINE 3

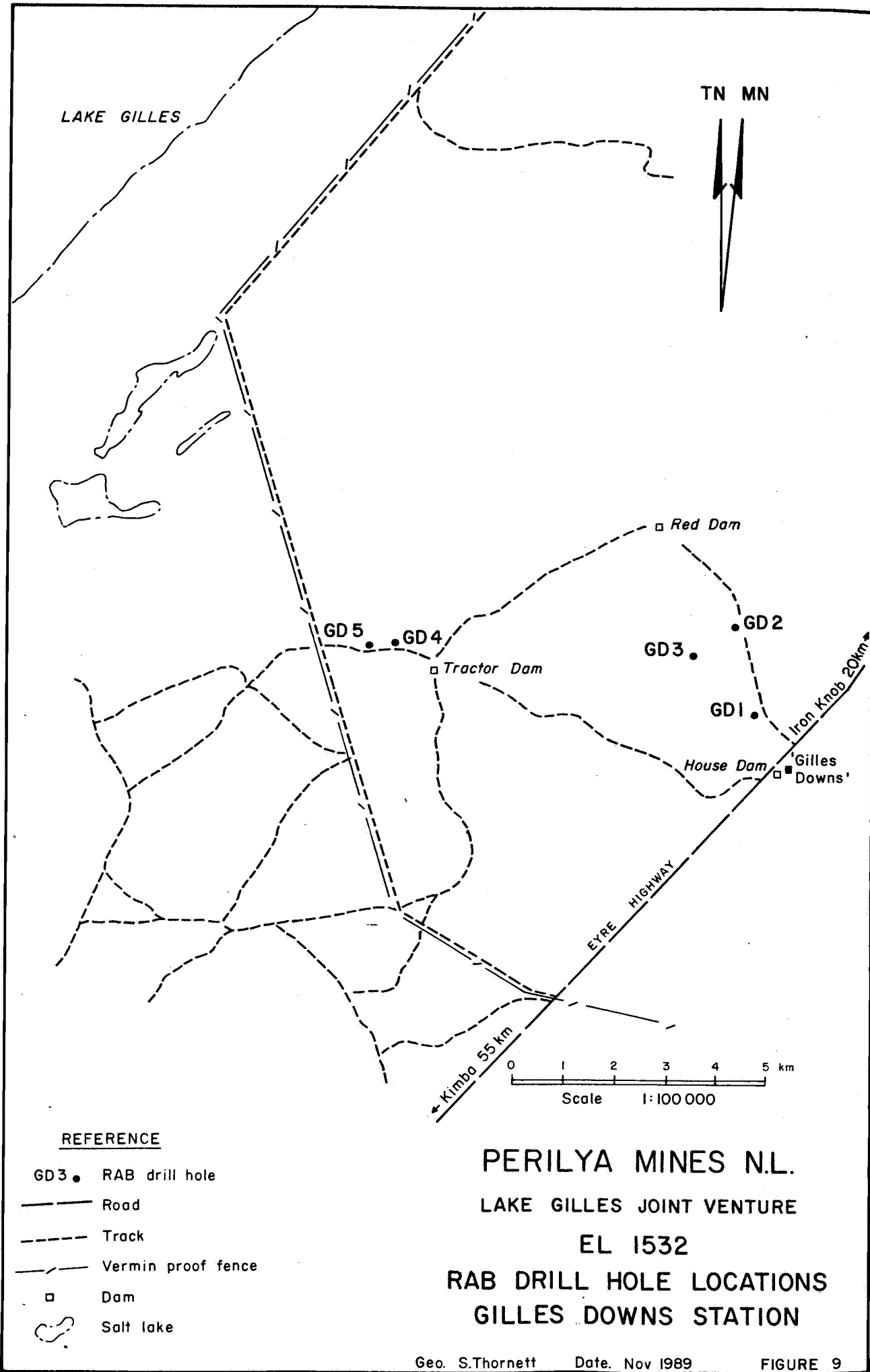
**RAB DRILL HOLE LOCATIONS
AND NUMBERS**

Geo. S.Thornett

Date. Nov. 1989

FIGURE

8



APPENDIX 1

Logs - Rotary Air Blast Drilling

B1-B46 (467m)	} EL 1532 Total 140h / 2865m. Depth range 2-57m. 358 x 1m. samples analysed for Cu Pb Zn (99 also for Au)
P1-P89 (2243m)	
GD1-GD5 (155m)	
IH1-IH21 (227m) incl. IH16A	} EL 1551 Total 22h / 227m. 44 x 1m samples analysed for Cu Pb Zn Depth range 4-26m.

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B1
AREA/PROSPECT: BURKITT	CO-ORDS: 10 000 E	HOLE TYPE: -
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 15th August 1989	T.D. 14	

[illegible]

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B 2
AREA/PROSPECT: BURKITT	CO-ORDS: 10100 E	HOLE TYPE: -
LOGGED BY: S. THORNETT		ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: August 1989	T.D. 8	

[illegible]

PROJECT: LAKE GILLES.	LINE: B1	BOREHOLE NUMBER. B 3
AREA/PROSPECT: BURKITT	CO-ORDS: 10200 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15 August 1989	T.D. 12	

[illegible]

PROJECT: LAKE GILLES.	LINE: B 1	BOREHOLE NUMBER. B 4
AREA/PROSPECT: BURKITT	CO-ORDS: 10300 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15 August 1989	T.D. 7	

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER: B 5
AREA/PROSPECT: BURKITT	CO-ORDS: 10400 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT	INCLIN. VERTICAL.	
DRILLED BY: THOMPSON DRILLING	T.D. 10m	
DATE: 15 August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO				Au	Cu	Pb	Zn
0	1		Red-brown clayey sand.		p.p.b.			
1	2		" + minor calcare					
2	3		Damp red clay - minor quartz (<5%)					
3	4		"					
4	5		Red brown clay with minor weathered granite					
5	6		+ occasional qtz chips					
6	7		Brown clay with granite chips	12959	<1	20	30	75
7	8		"					
8	9	GRANITE	Qtz + feldspar chips - granite	12960	<1	20	100	55
9	10		Granite: F.g weakly foliated with white mica					
10	11	EOH NO WATER						
11	12							
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B 6
AREA/PROSPECT: BURKITT	CO-ORDS: 10500 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15 August 1989	T.D. 16 m	

[illegible]

PROJECT: LAKE GILLES	LINE: B 1	BOREHOLE NUMBER. B 7
AREA/PROSPECT: BURKITT	CO-ORDS: 10550 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 20m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B 1	BOREHOLE NUMBER. B 8
AREA/PROSPECT: BURKITT	CO-ORDS: 10600 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 21 m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B 1	BOREHOLE NUMBER. B 9
AREA/PROSPECT: BURKITT	CO-ORDS: 10650 700 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 24 m	

[illegible]

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B 10
AREA/PROSPECT: BURKITT	CO-ORDS: 10800 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL.	HOLE TYPE: -
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: 15th August 1989	T.D. 12m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B 1	BOREHOLE NUMBER. B 11
AREA/PROSPECT: BURKITT	CO-ORDS: 10900 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL.	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: 15th August 1989	T.D. 19m	

DEPTH		DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO			Au	Cu	Pb	Zn
0	1	Brown sandy loam.		p.p.b.			
1	2	" with minor calcareous					
2	3	Red clay with up to 15% qtz chips					
3	4						
4	5						
5	6						
6	7	Dark red clay					
7	8	"					
8	9	"					
9	10	"					
10	11	White clay with narrow layers of red clay					
11	12	at top & bottom					
12	13	(clay is probably granite-derived)					
13	14	Red clay					
14	15	Khaki clay					
15	16	"	12977	<1	155	380	260
16	17	"					
17	18	Bi gneiss					
18	19	Dk brown clay with fragments of qtz	12978	<1	85	560	135
19	20	a biotite (? Biotite Gneiss)					
		EOH					
		No WATER					
		NOTE: Hole stopped because					
		rock became too hard					
		to drill					

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B 12
AREA/PROSPECT: BURKITT	CO-ORDS: 11000	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: 15th August 1989	INCLIN. VERTICAL.	
	T.D. 24m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B 13.
AREA/PROSPECT: BURKITT	CO-ORDS: 11100 E	HOLE TYPE:
LOGGED BY: S. THORNETT		ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 19m	

DEPTH		DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO			Au	Cu	Pb	Zn
0	1	Brown sandy loam		p.p.b.			
1	2	Red-brown sand					
2	3	Red clay with 5-10% calcareous nodules					
3	4	"					
4	5	"					
5	6	"					
6	7	"					
7	8	"					
8	9	White clay with a few fragments of					
9	10	weathered equigranular qtz feldspar rock					
10	11	" ? Fg. granite.					
11	12	Red clay with balls of white clay					
12	13	"					
13	14	Beige clay	12982	<1	115	1125	95
14	15	" becoming lighter coloured					
15	16	Coarse pink coloured sand composed	12983	<1	30	455	20
16	17	of mostly K-feldspar and some					
17	18	quartz. Probably weathered	12984	<1	35	245	25
18	19	granite					
19	20	EOH					
		DAMP.					
		Very poor sample return in last					
		meter (not					
		contaminated).					

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES.	LINE: B	BOREHOLE NUMBER: B 14
AREA/PROSPECT: BURKITT	CO-ORDS: 11250 E.	HOLE TYPE:
LOGGED BY: S:THORNETT	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 15th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO			Au	Cu	Pb	Zn
0	1	Brown sandy loam		p.p.b.			
1	2	Light brown sand with very minor Qtz.					
2	3	Red clay with 5% Qtz.					
3	4	"					
4	5	"					
5	6	"					
6	7	"					
7	8	Red clay with siliceous rock fragments + minor (210%) porphyritic rhyolite					
8	9	White clay with minor red clay					
9	10	White clay					
10	11	"					
11	12	Pink clay with 10% Qtz fragments + minor					
12	13	" Fe-stained white mica schist					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	Light brown clay with 5-10% rock					
20	21	" fragments + quartz. Most rock	12985	<1	10	60	40
21	22	" chips = Fe-stained qtz feldspar rock.					
22	23	Pinkish-brown clay with 10%	12986	<1	15	120	40
23	24	Small fragments of qtz and weathered feldspar. Very minor Fe Oxides (limonite)					
24	25	"					
25	26	"	12987	<1	15	125	35
26	27	"					
27	28	"					
28	29	"	12988	<1	25	175	35
29	30	"					
30	31	Hole stopped - Sample = contaminated from up-hole + poor recovery					
31	32						
32	33						

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER. B15
AREA/PROSPECT: BURKITT	CO-ORDS: 11700 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 15th August 1989	T.D. 10m	

[illegible]

PROJECT: LAKE GILLES	LINE: B1	E	BOREHOLE NUMBER. B16
AREA/PROSPECT: BURKITT	CO-ORDS: 12300		HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT			
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.		
DATE: 15th August 1989	T.D. 20		

[illegible]

PROJECT: LAKE GILLES	LINE: B1	BOREHOLE NUMBER: B17
AREA/PROSPECT: BURKITT	CO-ORDS: 12400 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 10	

[illegible]

PROJECT: LAKE GILLES.	LINE: B1	BOREHOLE NUMBER. B18
AREA/PROSPECT: BURKITT	CO-ORDS: 12500 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 15th August 1989	T.D. 2m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B1	BOREHOLE NUMBER. B19
AREA/PROSPECT: BURKITT	CO-ORDS: 12600 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 4	

[illegible]

PROJECT: LAKE GILLES.	LINE: B1	BOREHOLE NUMBER. B20
AREA/PROSPECT: BURKITT	CO-ORDS: 13000 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 11 m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B2	BOREHOLE NUMBER: B21
AREA/PROSPECT: BURKITT	CO-ORDS: 12550. E	HOLE TYPE: . ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: August 1989	T.D. 4	

[illegible]

PROJECT: LAKE GILLES	LINE: B 2	BOREHOLE NUMBER. B22
AREA/PROSPECT: BURKITT	CO-ORDS: 12600 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 8m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B2	BOREHOLE NUMBER. B23
AREA/PROSPECT: BURKITT	CO-ORDS: 12650 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 5m.	

[illegible]

PROJECT: LAKE GILLES.	LINE: B 2	BOREHOLE NUMBER. B24
AREA/PROSPECT: BURKITT	CO-ORDS: 12700 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 4m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B2	BOREHOLE NUMBER. B25
AREA/PROSPECT: BURKITT	CO-ORDS: 12750 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 7m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B 2	BOREHOLE NUMBER. B26
AREA/PROSPECT: BURKITT	CO-ORDS: 12800 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 6m	

[illegible]

PROJECT: LAKE GILLES	LINE: B2	BOREHOLE NUMBER. B27
AREA/PROSPECT: BURKITT	CO-ORDS: 12850 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 12m	

[illegible]

PROJECT: LAKE GILLES	LINE: B2	BOREHOLE NUMBER. B28
AREA/PROSPECT: BURKITT	CO-ORDS: 12900 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 6m	

[illegible]

PROJECT: LAKE GILLES	LINE: B2	BOREHOLE NUMBER. B29
AREA/PROSPECT: BURKITT	CO-ORDS: 12950	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: 16th August 1989	INCLIN. VERTICAL.	
	T.D. 6m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B2	BOREHOLE NUMBER. B30
AREA/PROSPECT: BURKITT	CO-ORDS: 13000 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 9m.	

[illegible]

PROJECT: LAKE GILLES.	LINE: B3	BOREHOLE NUMBER. B31
AREA/PROSPECT: BURKITT	CO-ORDS: 10.000 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 6m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B3	BOREHOLE NUMBER. B32
AREA/PROSPECT: BURKITT	CO-ORDS: 10050.E	HOLE TYPE:
LOGGED BY: S. THORNETT		ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 5m	

[illegible]

PROJECT: LAKE GILLES	LINE: B 3	BOREHOLE NUMBER. B33
AREA/PROSPECT: BURKITT	CO-ORDS: 1000 E	
LOGGED BY: S. THORNETT		HOLE-TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 6m	

[illegible]

PROJECT: LAKE GILLES	LINE: B3	E	BOREHOLE NUMBER. B34
AREA/PROSPECT: BURKITT	CO-ORDS: 10150		HOLE TYPE:
LOGGED BY: S. THORNETT			ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.		
DATE: 16th August 1989	T.D. 5m		

[illegible]

PROJECT: LAKE GILLES	LINE: B3	BOREHOLE NUMBER: B35
AREA/PROSPECT: BURKITT	CO-ORDS: 10200 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th. August 1989	T.D. 4	

[illegible]

PROJECT: LAKE GILLES.	LINE: B3	BOREHOLE NUMBER. B36
AREA/PROSPECT: BURKITT	CO-ORDS: 10250 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 3m.	

[illegible]

PROJECT: LAKE GILLES.	LINE: B3	BOREHOLE NUMBER. B37
AREA/PROSPECT: BURKITT	CO-ORDS: 10300 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 3m	

[illegible]

PROJECT: LAKE GILLES	LINE: B 3	E	BOREHOLE NUMBER. B 38
AREA/PROSPECT: BURKITT	CO-ORDS: 10350		HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT			
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.		
DATE: 16th August 1989	T.D. 12m		

[illegible]

PROJECT: LAKE GILLES	LINE: B3	BOREHOLE NUMBER. B39
AREA/PROSPECT: BURKITT	CO-ORDS: 10400 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16/12 August 1989	T.D. 4 m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B3	BOREHOLE NUMBER. B40
AREA/PROSPECT: BURKITT	CO-ORDS: 10450 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 11m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B3	BOREHOLE NUMBER. B41
AREA/PROSPECT: BURKITT	CO-ORDS: 10500 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 3m.	

[illegible]

PROJECT: LAKE GILLES.	LINE: B 3	BOREHOLE NUMBER. B42
AREA/PROSPECT: BURKITT	CO-ORDS: 10550 E	HOLE TYPE: ROTARY AIR BLAST.
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 17m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B 3	BOREHOLE NUMBER. B44
AREA/PROSPECT: BURKITT	CO-ORDS: 10650 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 5m.	

[illegible]

PROJECT: LAKE GILLES	LINE: B3	BOREHOLE NUMBER. B45
AREA/PROSPECT: BURKITT	CO-ORDS: 10700 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL.	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: 16th August 1989	T.D. 5m	

[illegible]

PROJECT: LAKE GILLES.	LINE: B 3	BOREHOLE NUMBER. B 46
AREA/PROSPECT: BURKITT	CO-ORDS: 10750 E	
LOGGED BY: S. THORNETT		HOLE TYPE: ROTARY AIR BLAST.
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	
DATE: 16th August 1989	T.D. 4m.	

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: PICKAXE T2	BOREHOLE NUMBER: P1
AREA/PROSPECT: PICKAXE DAM	CO-ORDS: 12800 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30 m	
DATE: 17th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam.					
1	2	Red-brown clay - damp and difficult					
2	3	" to drill					
3	4	"					
4	5	"					
5	6	Pale brown clay with qtz + feldspar chips					
6	7	Pale brown clay with a few chips of					
7	8	white mica schist + minor qtz					
8	9	"					
9	10	"					
10	11	Pale greenish cream clay with a few					
11	12	chips of ^{Sillimanite} white mica schist					
12	13	White clay					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	Pale greenish yellow clay with grains of qtz, K-feldspar					
18	19	and a few white mica schist chips					
19	20	"					
20	21	"					
21	22	Pale green clay with grains of pink feldspar					
22	23	and chips of pale ^{apple} green schist	13350		15	60	85
23	24	Pale green clay with qtz grains.					
24	25	Pale green clay with grains of qtz, plag,					
25	26	K-feldspar and tiny chips of sillimanite	13351		20	45	110
26	27	'schist'.					
27	28						
28	29	(epidote?)					
29	30	Last 2 m contains pistachio green	13352		25	20	100
30	31	sillimanite? - bearing chips					
31	32	Metapelite					

sillimanite schist (metapelite)

Eoh.

[illegible]

[illegible]

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P6
AREA/PROSPECT: PICKAXE	CO-ORDS: 12500 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th August 1989	T.D. 12m	

[illegible]

PROJECT: LAKE GILLES	LINE: PICKAXE T2	BOREHOLE NUMBER. P7
AREA/PROSPECT:	CO-ORDS: 12450 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 3m	
DATE: 17th August 1989		

[illegible]

PROJECT: LAKE GILLES	LINE: PICKAXE 2	BOREHOLE NUMBER. 19
AREA/PROSPECT: PICKAXE	CO-ORDS: 12350 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL T.D. 4m	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 17th August 1989		

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P10
AREA/PROSPECT: PICKAXE	CO-ORDS: 12300 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th August 1989	T.D. 21m.	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P11
AREA/PROSPECT: PICKAXE	CO-ORDS: 12200 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	
DRILLED BY: THOMPSON DRILLING	T.D. (49m)	
DATE: 17th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Red-brown sand with calcareous nodules					
1	2	White clay + silcrete chips					
2	3	Red clay + silcrete chips					
3	4	Red clay + ironstone (latentic) chips	13368		5	<5	10
4	5	" " "					
5	6	Red clayey sand with 1 mm ironstone & qtz 'grains'.					
6	7	Brick red clayey sand with ~ narrow band of white mica schist chips at 8.5m					
7	8	Red clayey sand with latentic ironstone chips					
8	9	White clay with < 5% fine rock					
9	10	" (ironstone) + qtz fragments					
10	11	Dark red sand with haematite/qtz					
11	12	" fragments					
12	13	" NOT MAGNETIC!					
13	14	"					
14	15	Brick red clay					
15	16	Brick red clay (2% rock fragments) ^{Haematite/qtz}					
16	17	Mixed red & pale green clay					
17	18	"					
18	19	Light brown clay - some red & white bands					
19	20	Very little rock (< 5%) = qtz, haematite/qtz and					
20	21	minor weathered feldspar.					
21	22	"					
22	23	"					
23	24	"					
24	25	Sticky khaki-coloured clay - contains					
25	26	minor biotite & weathered feldspar possibly					
26	27	= weathered biotite gneiss??					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	"					
32	33	"					

PROJECT: LAKE GILLES	LINE: 2	E	BOREHOLE NUMBER. P11 (CONTINUED)
AREA/PROSPECT: PILKAKE	CO-ORDS: 12200		HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT			
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL		
DATE: 17th August 1989	T.D. 49 m TOWN		

[illegible]

PROJECT: LAKE GILLES	LINE: 2	E	BOREHOLE NUMBER. P13.
AREA/PROSPECT: PICKAXE	CO-ORDS: 12050		HOLE TYPE:
LOGGED BY: S. THORNETT			ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL		
DATE: 17th August 1989	T.D. 6		

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P14.
AREA/PROSPECT: PICKAKE	CO-ORDS: 12000 E	
LOGGED BY: S. THORNETT		HOLE TYPE: ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th August 1989	T.D. 4 m.	

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P15
AREA/PROSPECT: PICKAXE	CO-ORDS: 11950	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 17th August 1989	INCLIN. VERTICAL	
	T.D. 15m	

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P16
AREA/PROSPECT:	CO-ORDS: 11900 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL T.D. 4m	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 17th August 1989		

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P.17
AREA/PROSPECT: PICKAKE	CO-ORDS: 11850. E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th. August 1989	T.D. 6m.	

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P18
AREA/PROSPECT: PICKAXE	CO-ORDS: 11800 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th August 1989	T.D. 20m.	

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P20
AREA/PROSPECT: PILKAKE.	CO-ORDS: 11700 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL T.D. 6m.	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 17K August 1989		

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P21
AREA/PROSPECT: PICKAKE	CO-ORDS: 11650 E	HOLE TYPE:
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 17th August 1989	T.D. 31m	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	" minor calcareous nodules					
2	3	" "					
3	4	White clay with 20% white siliceous chips					
4	5	"					
5	6	"					
6	7	"					
7	8	Red clay with ferruginous chips (qtz/					
8	9	" feldspar + very minor mica +					
9	10	" haematite)					
10	11	"					
11	12	Red clayey sand					
12	13	Red clayey sand.					
13	14	Brown clay with minor biotite					
14	15	"					
15	16	Greenish yellow clay with weathered					
16	17	" siliceous chips + qtz & minor					
17	18	" white mica.					
18	19	"					
19	20	Brown clay.					
20	21	"					
21	22	"					
22	23	Brown clay with 20% qtz chips	13382		65	20	95
23	24	Greenish clay with 20% qtz chips					
24	25	Yellow brown clay with 20% qtz/biotite					
25	26	Red brown clay	13383		120	15	135
26	27	"					
27	28	Yellow, brown clay.					
28	29	Yellow brown clay	13384		100	20	125
29	30	Biotite gneiss chips in dk. brown clay					
30	31	Biotite gneiss chips in dk. brown clay	13385		150	25	150
31	32						
32	33						

BIOTITE
GNEISS
EOLH

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P22.
AREA/PROSPECT: PICKAXE	CO-ORDS: 11600 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 17th August 1989	T.D. 21	

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P23
AREA/PROSPECT: PICKAXE	CO-ORDS: 11550 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 18th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with minor calcareous					
1	2	Brick red clay (damp)					
2	3	"					
3	4	Silcrete chips in white clay					
4	5	"					
5	6	"					
6	7	White clay with silcrete chips					
7	8	White clay with 5-10% qtz grains (0.2 to 1mm).					
8	9	"					
9	10	"					
10	11	White clay with 5-10% fine (<0.2mm) qtz					
11	12	" grains.					
12	13	"					
13	14	Very pale greenish white clay with					
14	15	" 10% qtz and qtz/feldspar chips					
15	16	" Mostly 1-2mm					
16	17	" Minor muscovite					
17	18	" "					
18	19	" "					
19	20	" "					
20	21	" " "White"					
21	22	Y. Pale greenish-yellow clay with approx					
22	23	" 10% qtz & rock					
23	24	" fragments.					
24	25	"					
25	26	"					
26	27	Green clay + biotite, qtz & feldspar grains	13389		35	100	105
27	28	"					
28	29	Weathered biotite gneiss (Sage green)	13390		30	155	120
29	30	"					
		EOH					
		NO WATER					

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Red sandy loam.					
1	2		Brick-red clay (damp)					
2	3		"					
3	4		Brick-red clayey soil with 50% qtz -					
4	5		" ironstone chips					
5	6		"					
6	7		"					
7	8		Yellow brown soil - very minor ferruginous					
8	9		" silcrete					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		Yellow brown sandy clay					
14	15		"					
15	16		"					
16	17		Red brown to yellow brown sandy soil with minor					
17	18		" (<5%) biotite flakes.					
18	19		"					
19	20		"					
20	21		Yellow-brown sandy clay					
21	22		"					
22	23		"	13391	60	105	120	
23	24		"					
24	25		NO SAMPLE RETURN - WATER.					
25	26	Biotite is	Qtz ^(60%) - Orthoclase ^(70%) - Biotite ^(20%) gneiss? chips					
26	27	Gneiss	" with minor (<10%) haematite.	13392	50	90	115	
27	28		" " (Weathered)					
28	29	E.O.H.						
29	30	WET						
			POOR SAMPLE RETURN 24-28m					

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P25
AREA/PROSPECT: PICKAXE	CO-ORDS: 12900 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 18th. August 1989	T.D. 18m	

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P26
AREA/PROSPECT: PICKAXE	CO-ORDS: 12950 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 18th August 1989	T.D. 10m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam.					
1	2		Red clay (slow drilling)					
2	3		Light red-brown clay with 30% Silcrete					
3	4		" chips					
4	5		"					
5	6		Red clayey soil					
6	7	Biotite lenses	Red brown soil with minor biotite	13394		25	25	65
7	8		Brown soil with 2-5% biotite					
8	9		Weathered biotite gneiss chips in	13395		35	25	75
9	10		dark brown clay					
10	11	Eoh.						
11	12	No WATER						
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							

0207

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P27
AREA/PROSPECT: PICKAXE	CO-ORDS: 13000 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 18th August 1989	T.D. 18m.	

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P28
AREA/PROSPECT: PICKAXE	CO-ORDS: 13100	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 18th August 1989		
	INCLIN. VERTICAL	
	T.D. 36 m	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT. (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	Red clay					
2	3	White sandy clay with minor red clay.					
3	4	White sandy clay					
4	5	"					
5	6	"					
6	7	V. pale greenish white sandy clay					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	White sandy clay					
13	14	"					
14	15	"					
15	16	Pale greenish yellow white sandy clay					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	Yellow brown clayey sand with < 2%					
21	22	chips of qtz, calcite & ironstone.					
22	23	"					
23	24	"					
24	25	Brown clayey sand					
25	26	"					
26	27	Yellow brown clayey sand					
27	28	"					
28	29	Yellow brown to dk brown clayey sand with					
29	30	5% biotite					
30	31	Brown sand with 5% biotite & minor	13398		40	30	90
31	32	qtz (1%) chips					

PROJECT: LAKE GILLES	LINE: 2	E	BOREHOLE NUMBER. P28 (CONT.)
AREA/PROSPECT: PICKAXE	CO-ORDS: 13100		HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT			
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL		
DATE: 18th August 1989	T.D. (36m to top)		

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P29
AREA/PROSPECT: PICKAXE	CO-ORDS: 13200 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 18th August 1989	T.D. 24m.	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P30
AREA/PROSPECT: PICKAXE	CO-ORDS: 13300 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 18th August 1989	T.D. 41 m.	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	Brick-red clay with quartz chips					
2	3	Light brown sandy loam.					
3	4	Pale greenish-white clay with approx 5-10% 5-10%					
4	5	" 5% qtz sand particles					
5	6	"					
6	7	"					
7	8	"					
8	9	" + Minor white mica schist (<5%)					
9	10	"					
10	11	Pale greenish-white clay with <5%					
11	12	" qtz sand grains (<2mm)					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	Yellow-brown sandy soil with					
27	28	<5% chips of qtz and minor					
28	29	white mica					
29	30	"					
30	31	"					
31	32	"					

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAXE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 18th August 1989	LINE: 2 CO-ORDS: 13300. E	BOREHOLE NUMBER: P30 (cont)
	INCLIN. VERTICAL. T.D. (41 m).	HOLE TYPE: ROTARY AIR BLAST.

DEPTH			DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO				Au	Cu	Pb	Zn
32	33	White-mica SCHIST (PELITE)	Yellow brown clayey sand					
33	34		"					
34	35		"					
35	36		"					
36	37		Dk brown clay with 10-20% weathered	13403		215	85	450
37	38	White-mica SCHIST (PELITE)	Quartz - white mica schist					
38	39		"					
39	40		"	13404		160	40	395
40	41		"					
		EOH NO WATER						
12	12	EOH NO WATER						
12	13							
13	14							
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P31
AREA/PROSPECT: PILKAXE	CO-ORDS: 13350 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 18th August 1989	T.D. 57m.	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam -- minor calcite					
1	2	Red clay (damp).					
2	3	Yellow-brown sandy loam.					
3	4	Beige to white sandy clay with					
4	5	" minor siliceous					
5	6	"					
6	7	"					
7	8	"					
8	9	Pale yellow-green sandy clay.					
9	10	Very pale greenish white sandy clay.					
10	11	" - contains 1-2% gh					
11	12	" grains of around 1 mm					
12	13	" diameter					
13	14	"					
14	15	"					
15	16	"					
16	17	Very pale greenish white clayey					
17	18	" Sand - a few (<5%)					
18	19	" gh grains > 1 mm are present					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	"					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAXE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 18th August 1989	LINE: 2 CO-ORDS: 13350	BOREHOLE NUMBER: P31 (corr) HOLE TYPE: - ROTARY AIR BLAST.
	INCLIN. VERTICAL. T.D. (57m total)	

DEPTH			DESCRIPTION	SAMPLE No.	ASSAYS			
FROM	TO				Au	Cu	Pb	Zn
32	33		Very pale greenish-white clayey sand with					
33	34		" < 5% qtz grains around 1mm.					
34	35		"					
35	36		"					
36	37		"					
37	38		"					
38	39		"					
39	40		"					
40	41		"					
41	42		"					
42	43		"					
43	44		"					
44	45		"					
45	46		" Minor muscovite schist					
46	47		Pale brown clayey sand. Contains 5% chips of > 1mm size comprising	13405		70	155	50
47	48		mainly quartz with a few					
48	49		epidote grains.	13406		135	90	135
49	50		"					
50	51		"					
51	52		White minor mica schist in last					
52	53		" 5 samples	13407		175	50	210
53	54		"					
54	55		"					
55	56		"	13408		95	65	135
56	57		"					
57	58	EOH						
58	59	WET						
59	60	SAMPLE						
60	61							
61	62							
62	63							
63	64							
64	65							

DAMP
↓
WET

White-mica
Schist
(PGLITE)

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P32
AREA/PROSPECT: PILKAKE	CO-ORDS: 13450 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 36m	
DATE: 18th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	Brick red clay					
2	3	"					
3	4	White sandy clay - very minor gtz					
4	5	" > 1mm.					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	Pink sandy clay					
25	26	"					
26	27	Gray green clayey sand with tiny chips of					
27	28	" biotite-sillimanite schist (10% total)	13409		90	80	185
28	29	"					
29	30	"					
30	31	" becoming browner.	13410		70	50	175
31	32	"					

? Biotite-sillimanite schist.

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER.
AREA/PROSPECT: PICKAXE	CO-ORDS: 13450	
LOGGED BY: S. THORNETT	E	HOLE TYPE: P32 (air)
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST.
DATE: August 1989	INCLIN. VERTICAL.	
	T.D. (36 m total)	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P33.
AREA/PROSPECT: PICKAXE	CO-ORDS: 13500 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30 m.	
DATE: 18th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with 1-2cm calcareous nodules.					
1	2	Brick-red clay					
2	3	"					
3	4	White sandy clay with 1-2% +1mm					
4	5	" Qtz grains					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	Purplish brown sandy clay with 20% chips	13413		15	40	75
16	17	(mostly qtz with minor sillimanite schist)					
17	18	Pale green sandy clay					
18	19	Light brown sandy clay with 10% qtz chips					
19	20	"					
20	21	Brown sandy clay with 10-20% chips					
21	22	" including qtz (dominant) & v minor					
22	23	" K feldspar & biotite schist					
23	24	Qtz (70-80%) + K feldspar (20%) + minor biotite schist	13414		35	10	85
24	25	Possibly = weathered gneiss ??					
25	26	"					
26	27	"					
27	28	"	13415.		45	10	90
28	29	"					
29	30	Contaminated sand - Very poor sample					
		EOH					
		NO					
		WATER					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P34
AREA/PROSPECT: PICKAXE	CO-ORDS: 13550 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 27m	
DATE: 18th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam					
1	2		Brick red clay.					
2	3		Beige clay with calcareous chips					
3	4		Pink clay " " "					
4	5		White sandy clay					
5	6		"					
6	7		"					
7	8		"					
8	9		"					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		"					
14	15		"					
15	16		Pink clay with minor sand.					
16	17		Yellow brown clay - damp					
17	18		"					
18	19		"					
19	20		"					
20	21		"					
21	22		"					
22	23	BIOTITE GNEISS	Brown sand with minor biotite & qtz.	13416		30	30	90
23	24		"					
24	25		Dk brown sand containing weathered biotite					
25	26		gneiss chips (very small).	13417		40	30	95
26	27		"					
27	28	EOH						
28	29							
29	30							

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P35
AREA/PROSPECT: PICKARE	CO-ORDS: 13600 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 38 m.	
DATE: 19th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	" minor calcareous					
2	3	Brick red clay.					
3	4	Pink to white sandy clay with 10%					
4	5	" qtz & silicate chips.					
5	6	"					
6	7	"					
7	8	"					
8	9	Pinkish White sandy clay with 10% qtz chips					
9	10	"					
10	11	Light brown clay					
11	12	"					
12	13	"					
13	14	Pale greenish-brown clay					
14	15	"					
15	16	"					
16	17	Red clay - minor qtz.					
17	18	Light yellow-brown clay					
18	19	" Damp from 18m onwards.					
19	20	"					
20	21	"					
21	22	Light yellow-brown clay with 10% qtz.					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	"					
27	28	Brown clay with 10-20% qtz					
28	29	"					
29	30	"					
30	31	"	13418	30	10	80	
31	32	"					

Damp
↓

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P35 cont.
AREA/PROSPECT:	CO-ORDS: 13600 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL.	ROTARY AIR BLAST.
DATE: 19th August 1989	T.D. (38m total)	

[illegible]

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P36
AREA/PROSPECT: PICKAXE	CO-ORDS: 13650 . E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 19th August 1989	T.D. 23m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1	BIOTITE-SILLINARITE GNEISS ?.	Brown sandy loam.					
1	2		Red. clay					
2	3		Red brown clay with 10-20% siliceous					
3	4		" chips					
4	5		"					
5	6		Red brown clay with 5% siliceous + 5% ironstone					
6	7		Mixed red + white clay					
7	8		"					
8	9		Yellow-brown clay					
9	10		"					
10	11		Khaki clay					
11	12		"					
12	13		"					
13	14		"					
14	15		Lt brown clay					
15	16		Greenish yellow clay	13421		20	40	75
16	17		"					
17	18		Dull green-brown clay containing 5%					
18	19		" qtz chips + 1-2% biotite	13422		20	20	75
19	20		"					
20	21		Sage green clay with qtz/biotite chips					
21	22		comprising 5-10%	13423		25	20	100
22	23		Weathered biotite-sillinarite gneiss (10%) in sage					
23	24		E.O.H.	green clay.				
24	25		NO					
25	26		WATER.					
26	27							
27	28							
28	29							
29	30							

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER: P37
AREA/PROSPECT: ACKAGE	CO-ORDS: 13700 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING		
DATE: 19th August 1989	INCLIN. VERTICAL T.D. 23m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Red-brown Red, sandy loam					
1	2		Very hard ferruginous 'calcrete' layer.					
2	3		Red clay + calcrete					
3	4		light brown clay + siliceous					
4	5		White clay + white siliceous chips (50%)					
5	6		"					
6	7		"					
7	8		White sandy clay (10% qtz grains $\approx$ 2mm)					
8	9		"					
9	10		"					
10	11		"					
11	12		Very pale greenish white clayey					
12	13		" Sand with 10% qtz & siliceous					
13	14		" chips					
14	15		"					
15	16		White clay with 10% qtz chips					
16	17		"					
17	18		Pale brown clay with 10-20% qtz chips					
18	19		Damp sample - Mostly qtz chips +	13424		10	40	25
19	20		20% Pink feldspar.					
20	21		"					
21	22		Weathered biotite granite (chips of	13425		15	50	40
22	23		qtz, orthoclase & minor biotite).					
23	24							
24	25							
25	26							
26	27							
27	28							
28	29							
29	30							

↓
Damp

BIOTITE
GRANITE
EOLH

PROJECT: LAKE GILLES	LINE: 2	BOREHOLE NUMBER. P38
AREA/PROSPECT: PICKAXE	CO-ORDS: 13800 E	
LOGGED BY: S. THORNETT		HOLE TYPE: ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 19th August 1989	T.D. 24m	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P40
AREA/PROSPECT: PICKAXE	CO-ORDS: 11300 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 19th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Red brown sandy loam					
1	2		"					
2	3		"					
3	4		Brown sandy loam					
4	5		"					
5	6		Brown clayey sand with 5% rock chips (mostly qtz)					
6	7		Red-brown clayey sand.					
7	8		"					
8	9		"					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		"					
14	15		"					
15	16		Yellow-brown sand					
16	17		"					
17	18		"					
18	19		Yellow-brown sand with 1-2% biotite & 2% qtz.					
19	20		"					
20	21		Brown sand					
21	22		Red-brown sand					
22	23		Greenish brown sand, contains 5% qtz chips					
23	24		& 2-3% biotite schist?					
24	25		Greenish brown sand with variable					
25	26		amounts of biotite qtz & K-feldspar	13431		25	10	70
26	27		chips. Probably a weathered					
27	28		biotite gneiss.					
28	29		"	13432		15	10	45
29	30		" with more brown sand.					
30	31							
31	32							

? Biotite gneiss

E.O.H.
NO
WATER

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P41
AREA/PROSPECT: PICKAXE	CO-ORDS: 11350 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL T.D. 20m	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 19th August 1989		

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P42
AREA/PROSPECT: PICKAXE	CO-ORDS: 11400	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	E	
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 19th August 1989	T.D. 35m	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	"					
2	3	Red-brown sand + calcite. (minor)					
3	4	Red sandy loam.					
4	5	"					
5	6	"					
6	7	"					
7	8	"					
8	9	Mixed red & white sandy clay					
9	10	"					
10	11	Brick red sandy clay.					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	Red brown clayey sand					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	Yellow brown sandy clay					
27	28	"					
28	29	" becoming dk green					
29	30	Yellow sand + green sandy clay -					
30	31	contains qtz, biotite & K-feldspar.	13435		5	30	45
31	32	Chips are foliated.					

Heather
Bottle 6m

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P43
AREA/PROSPECT: PICKAXE	CO-ORDS: 11450	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	E	
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 19th August 1989	T.D. 36m.	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	"					
2	3	Brick-red clay					
3	4	Brick-red sandy clay					
4	5	"					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	Brown to yellow-brown clayey sand.					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	Dk yellowish-green sand with minor grt					
31	32	biotite	13437	50	115	145	

BIOTITE
GARNET
GNEISS

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P44
AREA/PROSPECT: PICKAXE	CO-ORDS: 11750	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	E	
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 19th August 1989	T.D. 42m	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	"					
2	3	Brick-red clay					
3	4	"					
4	5	Red brown clayey sand					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	Light brown sand mixed with white sand					
10	11	"					
11	12	White clayey sand					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	Pale yellow. clayey sand.					
17	18	White clay with a few leucogranite chips					
18	19	Yellow sand & white sand mixed					
19	20	"					
20	21	"					
21	22	Yellow brown sand with siliceous chips (5%)					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	Yellow brown sand clay with 5% gte chips					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	" (DAMP)					

PROJECT: LAKE GILLES	CO-ORDS. LINE 1	N E	BOREHOLE NUMBER.
AREA/PROSPECT: PICKAXE	11750		P44 (cons)
LOGGED BY: S.T.	R.L.		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERT AZIMUTH		RAB.
DATE: 19.8.1989.	T.D. (42m total)		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
32	33	Light brown sandy clay.					
33	34	"					
34	35	Yellowish brown Sandy clay with abundant	13439	10	15	20	
35	36	qtz & K-feldspar chips & grains					
36	37	"					
37	38	" + 1% epidote. (pistachio green)	13440	10	20	25	
38	39	"					
39	40	"					
40	41	Brown clay with qtz, K feldspar & biotite (<5%)	13441	15	15	35	
41	42	chips = weathered granite (? gneiss)					
42		E.O.H at 42m.					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P45
AREA/PROSPECT: PICKAXE	CO-ORDS: 117800 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 42m	
DATE: 20th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	Red clay with minor sand					
2	3	" "					
3	4	Light brown sandy clay					
4	5	" + white clay					
5	6	"					
6	7	Light brown sandy clay					
7	8	"					
8	9	Red-brown sandy clay					
9	10	"					
10	11	"					
11	12	Red brown clayey sand					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	Yellow-brown clayey sand					
18	19	Brick red sandy clay					
19	20	White & red ^{sandy} clay mixed					
20	21	"					
21	22	Red sandy clay					
22	23	Brown sandy clay					
23	24	Beige sandy clay					
24	25	Pale yellow-brown sandy clay					
25	26	Dr brown sandy clay					
26	27	"					
27	28	Yellow-brown sandy clay					
28	29	Light brown sandy clay					
29	30	"					
30	31	"					
31	32	Very light brown sandy clay					

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P46
AREA/PROSPECT: PICKAXE	CO-ORDS: 11850 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 52m	
DATE: 20th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with 2% calcare					
1	2	Red clay					
2	3	White sandy clay with 5% siliceous chips					
3	4	Mixed red & white sandy clay with minor					
4	5	" siliceous					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	Red clayey sand					
10	11	"					
11	12	"					
12	13	Light brown clayey sand with 40% qtz					
13	14	" chips & minor white feldspar					
14	15	Red-brown clayey sand					
15	16	Yellow-brown clayey sand.					
16	17	Red brown clayey sand					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	" with 5% limonite chips					
29	30	Red brown sandy clay					
30	31	"					
31	32	"					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	CO-ORDS: LINE 1	#	BOREHOLE NUMBER. P4b (cont)
AREA/PROSPECT: PICKAXE	CO-ORDS 11850	E	
LOGGED BY: S.T.	R.E.		HOLE TYPE:
DRILLED BY: THOMPSON	INCLIN. Vert AZIMUTH		
DATE: 20/8/89	T.D. (52 m total)		RAB

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
32	33	"					
33	34	"					
34	35	"					
35	36	Yellow-brown sandy clay					
36	37	"					
37	38	"					
38	39	"					
39	40	Yellow-brown sandy clay with 20% qtz chips					
40	41	" + minor K-feldspar (white)					
41	42	"	13445		15	55	25
42	43	"					
43	44	Yellow-brown clay with <5% qtz chips &					
44	45	minor (<0.5%) white mica + K-feldspar	13446		20	40	40
45	46	"					
46	47	"					
47	48	"	13447		20	40	45
48	49	"					
49	50	Mellow brown clay with 5-10% chips					
50	51	comprising minor sillimanite abundant	13448		20	40	50
51	52	qtz and white K-feldspar.					
		(? weathered metapelite)					
		EOH at 52m					
		SAMPLE RECOVERY IS VERY POOR FROM					
		41m ONWARDS — HIGHLY CONTAMINATED					
		FROM 43m ONWARDS.					

DAMP

Weathered below?

Metapelite?

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P47
AREA/PROSPECT: PICKAXE.	CO-ORDS: 11900 E	HOLE TYPE:
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 20th August 1989	T.D. 48m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam.					
1	2		Light brown clayey loam with chips of qtz					
2	3		" a silicate					
3	4		Brown clay					
4	5		"					
5	6		Red clay					
6	7		White sandy clay.					
7	8		Red sandy clay					
8	9		"					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		"					
14	15		Mixed white a red-brown sandy clay					
15	16		"					
16	17		"					
17	18		Red-brown sandy clay					
18	19		"					
19	20	↓ DAME	Yellow-brown clay					
20	21		"					
21	22		"					
22	23		"					
23	24		Red-brown clay					
24	25		Brown sandy clay					
25	26		"					
26	27		"					
27	28		"					
28	29		Light brown sandy clay with 10%					
29	30		" grey quartz chips a minor (<0.5%)					
30	31		" White K-feldspar.					
31	32		"					

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
32	33	Red brown clay					
33	34	"					
34	35	"					
35	36	Yellow-brown clay - contains 5% qtz chips	13449	35	135	40	
36	37	"					
37	38	Yellow brown clay + 5% qtz chips + very minor					
38	39	(20.5%) Bif chips	13450	40	140	45	
39	40	Yellow brown clay with 3-5% qtz chips.					
40	41	"					
41	42	"	13451	35	110	45	
42	43	"					
43	44	NO SAMPLE					
44	45	"					
45	46	Yellow brown sludge with chips of qtz,					
46	47	orthoclase (50-60%) 1% hornblende + very	13452	35	95	60	
47	48	minor biotite (= Hornblende biotite granite?)					
		EOH @ 48m.					
		Hole became extremely wet at 43m.					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P48.
AREA/PROSPECT:	CO-ORDS: 11950 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 40m	
DATE: 20th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown Sand loam with 1% calcareous					
1	2	Brown sandy loam with 2% calcareous nodules					
2	3	White sandy clay					
3	4	"					
4	5	"					
5	6	"					
6	7	Very light yellow sandy clay					
7	8	"					
8	9	Yellow sandy clay					
9	10	"					
10	11	Red sandy clay					
11	12	"					
12	13	Yellow brown sandy clay					
13	14	"					
14	15	White sandy clay					
15	16	"					
16	17	Yellow brown sandy clay					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	Light brown clay with 40% of the					
25	26	" chips					
26	27	"					
27	28	"					
28	29	"					
29	30	Khaki coloured sandy clay - contains					
30	31	some yellow sand "					
31	32	"					

Westward
blacks silty
green

PROJECT: LAKE GILLES	CO-ORDS. LINE 1.	# E	BOREHOLE NUMBER.	P48 (CONT.)
AREA/PROSPECT: PICKAXE	11950		HOLE TYPE:	RAB.
LOGGED BY: S.T.	R.T.			
DRILLED BY: THOMPSON.	INCLIN. Vert AZIMUTH			
DATE: 20.8.89.	T.D. (40m total)			

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P 49
AREA/PROSPECT: PICKAXE	CO-ORDS: 12000 E	HOLE TYPE:
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 20th. August 1989	T.D. 25	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam					
1	2		Red clay					
2	3		Mixed red (dominant) - white clay					
3	4		"					
4	5		White clay with minor red.					
5	6		White clay with silicate chips.					
6	7		Pale yellowish white sandy clay					
7	8		"					
8	9		"					
9	10		White sandy clay					
10	11		" " "					
11	12		White clay - very minor sand					
12	13		Very pale greenish white sandy					
13	14		" clay					
14	15		"					
15	16		"					
16	17		"					
17	18		"					
18	19		Dirty white clay with 10% sand					
19	20		"	13456		30	65	45
20	21		White clay with 20-30% translucent qtz					
21	22		" chips					
22	23		White clay with 50% chips (70% feldspar -	13457		20	35	35
23	24		mostly pink + 30% qtz - No mica)					
24	25		NO SAMPLE RETURN - LOST.					
25	26	WEATHERED GRANITE						
26	27							
27	28							
28	29							
29	30							
30	31							
31	32							

Damp

Water

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P50.
AREA/PROSPECT: PICKAXE	CO-ORDS: 12100 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D.	
DATE: 20th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	Red-brown clay + calcite.					
2	3	White to pale brown clay with					
3	4	" 50% silicate chips.					
4	5	"					
5	6	White clay with 5% silicate chips					
6	7	Light red-brown & white sandy clay mixed					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	Very pale yellow-green sandy clay.					
12	13	Light brown sandy clay					
13	14	" minor green clay					
14	15	Pistachio green clay with 10% chips					
15	16	" comprising pink orthoclase and bright					
16	17	" green epidote (pistachio green)	13458		40	50	100
17	18	"					
18	19	"					
19	20	" with 20% chips					
20	21	"					
21	22	"					
22	23	Brown clay with 10% pink feldspar					
23	24	and bright green epidote.					
24	25	" (pistachio green)					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	"					

0243

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAXE LOGGED BY: ST DRILLED BY: THOMPSON. DATE: 20. 8. 1989.	GO ORDS. LINE 1 12100 R.L. INCLIN. Vert AZIMUTH T.D. 42 m total.	BOREHOLE NUMBER. P50 (CONT.) HOLE TYPE: RAB
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[illegible]

0244

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P51
AREA/PROSPECT: PICKAXE	CO-ORDS: 12200 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 24m	
DATE: 21 st August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam					
1	2		" with brick red clay					
2	3		Mixed red & white clay					
3	4		Dirty white clay with silicate chips					
4	5		"					
5	6		Mixed white & red clay					
6	7		"					
7	8		Red brown sandy clay					
8	9		"					
9	10		"					
10	11		"					
11	12		Yellow clayey sand.					
12	13		"					
13	14		Yellow brown clayey sand					
14	15		"					
15	16		CONTAMINATED SAMPLES Olive green sand					
16	17		" "					
17	18		"					
18	19	? GRANITE	Greenish brown clay with 50% chips of	13461		20	30	50
19	20		pink K-feldspar (60%) Qtz (30%) and					
20	21		bright green epidote (Pistachio green)					
21	22		Minor accessories (? hematite)	13462		20	20	35
22	23		"					
23	24		As above but less epidote & more Qtz.	13463		20	20	45
24	25	EOH						
25	26	NO WATER	Hard at 23.5 m.					
26	27							
27	28							
28	29							
29	30.							

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P 52
AREA/PROSPECT: PICKAXE	CO-ORDS: 12300. E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 16 m.	

[illegible]

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	Brick red clay					
2	3	Light brown sandy clay					
3	4	Dirty white clay with 20% silice.					
4	5	White clay with 20% silice.					
5	6	White clay with 10% silice.					
6	7	White sandy clay					
7	8	"					
8	9	"					
9	10	"					
10	11	Light greenish-brown clay (sandy)					
11	12	"					
12	13	"					
13	14	"					
14	15	Light greenish-brown clay with 10%					
15	16	" qtz grains > 2mm					
16	17	Light red-brown clay with chips of					
17	18	" orthoclase (40%) qtz (30%) - calcare.					
18	19	"					
19	20	"					
20	21	Red brown ^{to green} sandy clay + minor qtz.					
21	22	" minor qtz.	13466	30	50	55	
22	23	" minor qtz.					
23	24	Light green clay with minor orthoclase					
24	25	" + qtz.	13467	55	10	75	
25	26	"					
26	27	Light green clay + 50% orthoclase, 30%	13468	80	10	180	
27	28	Weathered hornblende? minor qtz.					
28	29	EOH.					
29	30						

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P54
AREA/PROSPECT: PICKAXE	CO-ORDS: 12500. E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 30m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1	WEATHERED GNEISS. E.O.H.	Brown sandy loam. with 10% calcareous					
1	2		Red-brown clay + calcareous.					
2	3		"					
3	4		"					
4	5		"					
5	6		Mixed red & white clay					
6	7		White sandy clay minor red clay					
7	8		"					
8	9		"					
9	10		White sandy clay					
10	11		Dirty white sandy clay					
11	12		"					
12	13		"					
13	14		"					
14	15		"					
15	16		Pale greenish white sandy clay with					
16	17		20% qtz grains > 2mm diameter					
17	18		"					
18	19		"					
19	20		"					
20	21		"					
21	22		"					
22	23		"					
23	24		"					
24	25		"	13469		15	10	20
25	26		"					
26	27		Brown weathered qtz feldspar grains	13470		10	10	25.
27	28		= weathered qtz - plag - orthoclase					
28	29		gneiss (qtz = 30-40%, orthoclase	13471		15	5	30
29	30		40-50% + plag 10-20%).					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P55
AREA/PROSPECT: PICKAXE	CO-ORDS: 12600 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 33 m.	
DATE: 21st August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Red-brown sandy loam with 5% calcrete					
1	2		Red clay					
2	3		Silcrete + red clay (Very hard in places)					
3	4		White clay with silcrete chips					
4	5		Dirty white clay with abundant					
5	6		" 9h grains					
6	7		"					
7	8		" + 10% silcrete chips					
8	9		Clear white clay (sand = v. minor)					
9	10		"					
10	11		"					
11	12		Light brown clay					
12	13		" mixed with white clay					
13	14	...?	" mixed with white clay					
14	15		Yellow-brown clay containing green clay					
15	16		" 'nodules'. No rock chips					
16	17		"					
17	18		"					
18	19		"					
19	20		"					
20	21		Greenish-brown clay containing green					
21	22		clay 'nodules'. No rock chips					
22	23		"					
23	24		"					
24	25		"					
25	26		"					
26	27		"	13472		100	5	235
27	28		"					
28	29		Light brown clay with ^{2%} chips of weathered					
29	30		basic rock??	13473		110	10	300
30	31		"					
31	32		Bright green clay + pistachio green weathered	13474		125	15	275
32	33.		lost sample return. epidote	E.O.H. at 33m.				

WEATHERED
DOLERITE?↓
DAMP.

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P56
AREA/PROSPECT: PICKAKE	CO-ORDS: 12700 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 24m.	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown Sandy loam					
1	2	"					
2	3	Hard white silicate - V. slow drilling					
3	4	" passing into white clay					
4	5	Red brown sandy clay					
5	6	Light brown sandy clay					
6	7	"					
7	8	Mixed yellow brown and white					
8	9	" clay					
9	10	Very pale greenish white clay					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	White clay with bank qtz grains (1-2 mm).					
16	17	" very poor sample return					
17	18	Contaminated sample (white + red clay)					
18	19	Pink clay with 80% chips of orthoclase/qlz					
19	20	gneiss with ^{Strawberry Red area} very minor white mica (4.5%)	13475		25	25 45	
20	21	" with minor material from up-hole					
21	22	Pale greenish brown clay with white					
22	23	gneiss (granitic) (qlz = 50%, white	13476		30	10 50	
23	24	" (feldspar = abundant)					
24	25	EOH					
25	26						
26	27						
27	28						
28	29						
29	30						

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P57.
AREA/PROSPECT: PICKAXE	CO-ORDS: 12800 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st. August 1989	T.D. 21m	

[illegible]

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P58
AREA/PROSPECT: PICKAXE	CO-ORDS: 12900 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 15	

[illegible]

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER: P59
AREA/PROSPECT: PICKAXE	CO-ORDS: 13000 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 16m	

[illegible]

PROJECT: LAKE GILLES	LINE: 1	BOREHOLE NUMBER. P60
AREA/PROSPECT: PICKAXE	CO-ORDS: 13100. E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 21st August 1989	T.D. 18m.	

[illegible]

0254

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P61.
AREA/PROSPECT: PICKAXE	CO-ORDS: 10050 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 44	
DATE: 21st August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Red sandy loam					
1	2	" with 30% silcrete.					
2	3	White clay with 30% silcrete chips					
3	4	Pale yellowish brown clay (sandy).					
4	5	" "					
5	6	Dirty white sandy clay.					
6	7	White sandy clay					
7	8	"					
8	9	Pale salmon coloured ^{sandy} clay					
9	10	"					
10	11	White clayey sand					
11	12	" (slightly dirty)					
12	13	" (clean)					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	"					

PROJECT: LAKE GILLES.	CO-ORDS. LINE 3 N	BOREHOLE NUMBER. P61 (cont)
AREA/PROSPECT: PICKAXE	10050 E	HOLE TYPE: RAB
LOGGED BY: S.T.	R.L.	
DRILLED BY: THOMPSON	INCLIN. Vert AZIMUTH	
DATE: 21.8.89.	T.D. 44 total.	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P62
AREA/PROSPECT: PICKAXE	CO-ORDS: 10100 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 22nd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	Brick-red clay					
2	3	Red-brown sand					
3	4	Yellow brown sand.					
4	5	"					
5	6	Very pale brown sand.					
6	7	"					
7	8	Salmon-coloured sandy clay					
8	9	"					
9	10	Pale salmon-coloured sandy clay					
10	11	"					
11	12	Pale yellow clayey sand					
12	13	"					
13	14	"					
14	15	Dirty white (yellowish) clayey sand.					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	Pale greenish white clayey sand					
20	21	"					
21	22	" with 1-2mm qtz grains ^{containing} 5% biotite					
22	23	Pale greenish white clayey sand with					
23	24	10% qtz containing 10% biotite					
24	25	"					
25	26	"	13490		30	55	55
26	27	"					
27	28	"					
28	29	Weathered biotite granite? with 5-10%	13491		35	120	55
29	30	White mica schist chips					
30	31						
31	32						

WEATHERED
BIOTITE GRANITE

EOH
NO
WATER

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P63
AREA/PROSPECT: PICKAXE	CO-ORDS: 10150 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 47m	
DATE: 22nd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	Red clay					
2	3	Red clayey sand					
3	4	"					
4	5	Red to yellow clayey sand.					
5	6	Pale yellow clayey sand					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	Yellow-brown clayey sand					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	Pale yellow-brown clayey sand					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	"					
31	32	Yellow-brown clayey sand, contains 10% qtz chfs					

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
32	33	Yellow brown clayey sand containing 10%					
33	34	iron-stained quartz chips					
34	35	"					
35	36	"					
36	37	"					
37	38	"					
38	39	"					
39	40	Iron-stained white mica schist	13492		65	25	95
40	41	"					
41	42	↑ Qtz-K-feldspar-white mica chips - ? weathered granite					
42	43	" or gneiss	13493		25	110	70
43	44	"					
44	45	Foliated chips of qtz-orthoclase -					
45	46	white mica gneiss. Still minor	13494		25	105	55
46	47	Fe staining					
		EOH at 47m.					
		VERY HARD from 46m -					

0259

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P64
AREA/PROSPECT: PICKAKE	CO-ORDS: 10200 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	
DRILLED BY: THOMPSON DRILLING	T.D. 27m	
DATE: 22nd August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Red-brown sandy loam.					
1	2		Red clayey sand - 10% calcareous nodules.					
2	3							
3	4		Dr. Red clayey sand (fine grained)					
4	5		"					
5	6		"					
6	7		"					
7	8		"					
8	9		"					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		"					
14	15		Yellow-brown clayey f.g. sand.					
15	16		"					
16	17		"					
17	18		"					
18	19		"					
19	20		"	13495	260	5	140	
20	21		Dark yellowish brown clayey f.g. sand					
21	22		"					
22	23		"	13496	260	10	170	
23	24		"					
24	25		Dark yellowish brown clayey sand with chips of magnetite - qtz - minor limonite					
25	26		tremolite banded iron formation.	13497	295	<5	220	
26	27							
		B.T.F.						
		EOH						
		NO						
		WATER						

0261

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P66.
AREA/PROSPECT: PICKAXE	CO-ORDS: 10600 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 45m.	
DATE: 22nd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Red brown sandy loam. with 20%					
1	2	" chips of qtz & silicate - minor ironstone					
2	3	Light brown sand with 40% silicate chips.					
3	4	Salmon coloured clayey sand with 30% silicate					
4	5	White clayey sand (fine grained)					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	Light brown clayey sand f.g.					
12	13	"					
13	14	Mixed white & minor red clayey sand f.g.					
14	15	Brick red clayey sand (fine grained)					
15	16	"					
16	17	"					
17	18	Yellow-brown clayey sand (fine grained)					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	Dirty white clayey sand f.g.					
23	24	Light brown clayey f.g. sand.					
24	25	"					
25	26	"					
26	27	Yellow-brown fine grained sand with					
27	28	" 5% qtz grains > 0.5mm					
28	29	" qtz is iron stained					
29	30	"					
30	31	Red brown fine grained sand					
31	32						

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P67
AREA/PROSPECT: PICKAXE	CO-ORDS: 10650 - E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 36	
DATE: 22nd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam					
1	2	"					
2	3	White sandy clay					
3	4	"					
4	5	Light brown fine grained clayey sand					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	Yellow-brown f.g. clayey sand					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	Brown f.g. sand					
15	16	"					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	Yellow brown f.g. sand					
22	23	"					
23	24	Pale greenish brown f.g. clayey sand					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	Khaki colored clayey f.g. sand with					
31	32	qtz and biotite grains - weathered granite	13583	150	5	100	

NEAR
GRANITE

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P68
AREA/PROSPECT: PICKAXE	CO-ORDS: 10700 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 35m	
DATE: 22nd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown loam with qtz crystals (5%)					
1	2	"					
2	3	Mixed pink & white clayey f.g. sand					
3	4	"					
4	5	Pink f.g. sand (Mn-rich?)					
5	6	"					
6	7	"					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	Mixed yellow & pink f.g. sand					
13	14	Mixed pink & brown f.g. sand.					
14	15	"					
15	16	"					
16	17	Light reddish-brown f.g. sand (clayey)					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	Yellow-brown f.g. clayey sand					
24	25	"					
25	26	"					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
30	31	Olive green sand - contains minor biotite & qtz (5% total)	13555	25	35	55	
31	32						

? BIOTITE
GEMINITE

[illegible]

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with 20% calcareous nodules.					
1	2	" " 60% " "					
2	3	White clay with 30% calcareous nodules.					
3	4	Lt brown clay with 60-70% calcareous					
4	5	" " " "					
5	6	Lt brown f.g. clayey sand with 10%					
6	7	" calcareous nodules					
7	8	Lt. brown f.g. clayey sand					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	Red brown f.g. clayey sand					
16	17	"					
17	18	Olive green sand with v. minor biotite					
18	19	" (4.05%)	13557	65	15	95	
19	20	As above with 10% gh					
20	21	"					
21	22	"					
22	23	"	13558	70	20	105	
23	24	"					
24	25	Weathered biotite gneiss - mostly sand!					
25	26	"	13559	70	15	100	
26	27	"					
		EDH					
		Dry.					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P70
AREA/PROSPECT: PICKAXE	CO-ORDS: 12200 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 36m	
DATE: 23rd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam					
1	2	Red-brown clay					
2	3	"					
3	4	"					
4	5	"					
5	6	"					
6	7	Mixed white sand & red clay					
7	8	Light brown clayey sand					
8	9	Mixed white & red clayey sand					
9	10	"					
10	11	Mixed white sand & red clay					
11	12	Pale green sand f.g.					
12	13	Olive green sand m.g.					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	Yellow-brown sand m.g.					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	Greenish yellow sand with very minor					
25	26	biotite & qtz					
26	27	"					
27	28	"					
28	29	"					
29	30	"					
		CONTINUED					

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P71
AREA/PROSPECT: PICKAKE	CO-ORDS: 12250 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 23rd August 1989	T.D. 26m.	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P72
AREA/PROSPECT: PICKAKE	CO-ORDS: 12300 . E	HOLE TYPE:
LOGGED BY: S. THORNETT		ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 23M August 1989	T.D. 24m	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P73
AREA/PROSPECT: PICKAXE	CO-ORDS: 12350 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 29m	
DATE: 23rd August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam					
1	2		light brown clay with silicate rocks					
2	3		" EXTREMELY HARD DRILLING.					
3	4		white clay with silicate chips					
4	5		White clayey sand.					
5	6		"					
6	7		"					
7	8		"					
8	9		"					
9	10		"					
10	11		"					
11	12		"					
12	13		"					
13	14		" Damp					
14	15		"					
15	16		White clay + qtz sand					
16	17		" POOR SAMPLE RECOVERY					
17	18		"					
18	19		"					
19	20		"					
20	21		Grey-white clay with minor qtz					
21	22		and orthoclase.					
22	23		NO SAMPLE - HOLE REQUIRED					
23	24		" REMAINING.					
24	25		" (VERY WET)					
25	26		"					
26	27	BIOTITE GRANITE EOLH	Olive green sand containing biotite qtz and	13568		30	30	65
27	28		White K-feldspar = weathered granite					
28	29		Yellow granite-derived(?) sand (coarse)	13569		15	5	40
29	30		(abundant orthoclase)					
30	31							
31	32							

↓
DAMP

↓
WET

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P 7A
AREA/PROSPECT: PILKAYE	CO-ORDS: 12900 E	
LOGGED BY: S. THORNETT	INCLIN. VERTICAL T.D. 27m.	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 23rd August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam.					
1	2	Brick red clay - easily "cut"					
2	3	"					
3	4	"					
4	5	Salmon coloured clay with siderite chips					
5	6	V. pale salmon " " "					
6	7	White sandy clay with 20% weathered siderite chips					
7	8	"					
8	9	"					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	Qtz sand + white clay					
16	17	" POOR SAMPLE					
17	18	"					
18	19	"					
19	20	"					
20	21	Yellow clay with 'nodules' of pistachio					
21	22	green clay = weathered granite					
22	23	"	13570		5	5	10
23	24	" VERY POOR SAMPLE					
24	25	"					
25	26	"	13571		5	10	10
26	27	"					
		EDH.					

0274

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P 75
AREA/PROSPECT: PICKAXE	CO-ORDS: 13000 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 23rd. August 1989	T.D. 7	

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAXE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 23rd August 1989	LINE: 3 CO-ORDS: 13050 E INCLIN. VERTICAL T.D. 32m	BOREHOLE NUMBER: P76 HOLE TYPE: ROTARY AIR BLAST
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DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with abundant qtz					
1	2	"					
2	3	Brick Red clay					
3	4	"					
4	5	"					
5	6	"					
6	7	Light brown sand with 20% ironstone chips.					
7	8	" " " with 60% ironstone & silicate chips					
8	9	White clayey sand					
9	10	"					
10	11	"					
11	12	"					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	"					
17	18	"					
18	19	Pale yellowish white clayey sand					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	" Some texture evident:					
26	27	appears to be weathered granitic gneiss	13573	10	65	15	
27	28	"					
28	29	Pale pink clay - Hole casing					
29	30	Weathered gneiss	13574	10	50	20	
30	31	Very poor sample					
31	32	"					

WEATHERED
GNEISS.
EOL

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAKE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 23rd August 1989	LINE: 3 CO-ORDS: 13100 E	BOREHOLE NUMBER: P77
	INCLIN. VERTICAL T.D. 32	HOLE TYPE: ROTARY AIR BLAST

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown loam with 30% calcareous nodules.					
1	2		Red clay					
2	3		"					
3	4		"					
4	5		"					
5	6		"					
6	7		"					
7	8		Mixed red and white clay					
8	9		"					
9	10		"					
10	11		Very pale brown clayey sand					
11	12		"					
12	13		"					
13	14		"					
14	15		White clayey sand - contains coarse					
15	16		" quartz (2mm).					
16	17		"					
17	18		"					
18	19		" POOR SAMPLE					
19	20		"					
20	21		"					
21	22		"					
22	23		"					
23	24		"					
24	25		Pale yellowish white sandy clay					
25	26		"					
26	27		"					
27	28		"					
28	29		Sage-green sand containing weakly foliated	13575		30	25	55
29	30		qtz-biotite-K-feldspar grains					
30	31		(Qtz = 60%, Feldspar = 30%, Biotite = 10%)	13576		35	20	60
31	32		= Weathered biotite gneiss.					

BIOTITE
GNEISS.

EOH.

DAMP

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P78
AREA/PROSPECT: PICKAXE	CO-ORDS: 13150 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 23rd August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown loam with 20% calcareous nodules.					
1	2		"					
2	3		Red clay with 20% calcareous					
3	4		Red clay					
4	5		Red clay					
5	6		"					
6	7		"					
7	8		White + light brown sand					
8	9		White c.g. sand, minor clay.					
9	10		Dirty white, very coarse qtz sand					
10	11		"					
11	12		"					
12	13		"					
13	14		"					
14	15		"					
15	16		Purplish grey c.g. quartz sand.					
16	17		White clayey sand					
17	18		"					
18	19		"					
19	20		"					
20	21		"					
21	22		"					
22	23		"					
23	24		"					
24	25		"					
25	26		"					
26	27	WEATHERED BIOHITE GRANITE E.O.H.	Yellow brown sand with weathered granite chips	13577	25	40	20	
27	28		Greenish brown sand with chips of weathered granite (qtz, orthoclase, biotite)	13578	20	25	65	
28	29							
29	30							
30	31							
31	32							

Damp

Damp

PROJECT: LAKE GILLES AREA/PROSPECT: PILKAXE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 23rd August 1989	LINE: 3 CO-ORDS: 13200 E INCLIN. VERTICAL T.D. 17m	BOREHOLE NUMBER. P79. HOLE TYPE: ROTARY AIR BLAST
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[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P80
AREA/PROSPECT: PICKAXE	CO-ORDS: 13250 E	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 24 th August 1989	T.D. 30m.	

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with 20% calcareous					
1	2	" " with 20% calcareous + 10% red clay					
2	3	Red clay - minor calcareous (nodules)					
3	4	"					
4	5	"					
5	6	"					
6	7	Mixed red and white ^{sandy} clay					
7	8	"					
8	9	"					
9	10	Dirty white clayey sand					
10	11	"					
11	12	Dirty white clay with pale grey ? pelitic chips - <u>very</u> <u>minor</u> magnetite.	13585	10	35	50	
12	13	"					
13	14	"					
14	15	Light brown clay with qtz chips					
15	16	Yellowish-white clay - very minor sand					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
24	25	"					
25	26	"	13586	5	90	45	
26	27	"					
27	28	" contains weathered leucogranite					
28	29	" chips (qtz & orthoclase)	13587	5	80	50	
29	30	"					
		EOH					

PROJECT: LAKE GILLES AREA/PROSPECT: PICKAXE LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 24th August 1989	LINE: 3 CO-ORDS: 13300. E INCLIN. VERTICAL T.D. 28m	BOREHOLE NUMBER. P81 HOLE TYPE: ROTARY AIR BLAST
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DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Brown sandy loam with 20% calcareous					
1	2	" nodules					
2	3	Red clay					
3	4	"					
4	5	"					
5	6	"					
6	7	"					
7	8	Mixed red & white clay + 10% qtz grains					
8	9	"					
9	10	"					
10	11	Pale greenish-white clay with 10% qtz					
11	12	" grains					
12	13	"					
13	14	"					
14	15	"					
15	16	"					
16	17	White clay with chips of gray ? pelite. contains	13581		<5	65	10
17	18	minor magnetite					
18	19	Dirty white clay with 10% qtz	13582		<5	35	15
19	20	"					
20	21	Orthoclase + qtz chips in greenish					
21	22	White clay - minor epidote	13583		<5	5	5
22	23	"					
23	24	"					
24	25	"					
25	26	Yellow brown clay with chips of weathered	13584		70	30	70
26	27	biotite - orthoclase granite.					
27	28	"					
		EOH					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P82
AREA/PROSPECT: PICKAKE	CO-ORDS: 13400. E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 24	
DATE: 24th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown sandy loam with 20% caliche					
1	2		"					
2	3		Red clay					
3	4		"					
4	5		"					
5	6		"					
6	7		Mixed red & white clay + 10% sand					
7	8		"					
8	9		"					
9	10		Dirty white clayey sand + siliceous					
10	11		" chips					
11	12		"					
DAMP ↓	12		Damp qtz sand with 'nodules of grey clay	13588		45	45	15
	13		(? weathered pellets?) and yellowish clay					
	14		Grey clay 'nodules' with grey to white clay	13589		5	45	15
	15		& minor qtz					
	16		Mixed yellow and grey clay + minor					
	17		epidote	13590		30	15	60
	18		" CONTAMINATED SAMPLE					
	19		Weathered epidote + orthoclase	13591		80	10	125
	20		"					
	21		Dark green biotite - orthoclase - epidote					
	22		rock - medium grained	13592		115	5	155
	23		weathered basic rock?					
	24	EOH.						
	25							
	26							
	27							
	28							
	29							
	30							

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P83
AREA/PROSPECT: PICKAXE	CO-ORDS: 13500 E	HOLE TYPE:
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 24th August 1989	T.D. 32m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Brown sandy loam with 20% calcareous					
1	2		" " with 10% calcareous					
2	3		Brick red clay					
3	4		"					
4	5		"					
5	6		"					
6	7		"					
7	8		Mixed white sandy clay ~ red clay with					
8	9		" siltstone chips					
9	10		Dirty white clayey sand with siltstone chips.					
10	11		"					
11	12		Gray clayey sand					
12	13		"	13593		<5	<5	15
13	14		Light gray clayey sand					
14	15		"					
15	16		Dirty white sandy clay					
16	17		Very pale yellow-green clay					
17	18		"					
18	19		"					
19	20		"					
20	21		Very pale yellow-green sandy clay					
21	22		"					
22	23		"					
23	24		"					
24	25		"					
25	26		"					
26	27		"					
27	28		"	13594		15	10	35
28	29		" minor orthoclase + 10% qtz					
29	30		" a few chips of weathered granite.					
30	31		"	13595		40	15	65
31	32		"					

↓
DAME? WEATHERED
GRANITE
EOL.

PROJECT: LAKE GILLES	LINE: 3	E	BOREHOLE NUMBER. 184
AREA/PROSPECT: PICKAXE	CO-ORDS: 14100		HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT			
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL		
DATE: 24th August 1989	T.D. 24 m.		

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P85
AREA/PROSPECT: PICKAXE	CO-ORDS: 14200 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 24th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown sandy loam 20% calcite					
1	2		" + 80% calcite					
2	3		Red clay with 20% calcite					
3	4		Red clay					
4	5		"					
5	6		Light brown sandy clay					
6	7		Red clay with 20% ironstone chips					
7	8		"					
8	9		"					
9	10		Mixed red & white clay					
10	11		Red clay					
11	12		White (dirty) clay + red clay					
12	13		Greyish white clay 'nodules'					
13	14		"					
14	15		White sandy clay					
15	16		Pale yellow sandy clay					
16	17		" " clayey sand					
17	18		" " " "					
18	19		Yellowish clay					
19	20		Yellow & white clay (iron stained)					
20	21		Red-brown clay (iron stained)					
21	22		Yellow brown clay					
22	23		Greenish-yellow clay	13598		120	50	105
23	24		"					
24	25		Yellow brown clay - chips of gk &					
25	26		K-feldspar (<5%)	13599		95	35	85
26	27		"					
27	28		Pale yellow-brown clay - a few gk					
28	29		chips	13600		50	25	55
29	30		"					
		E.O.H.	HOLE ABANDONED - AIR CIRCULATION					
			LOST. - POOR SAMPLE					
			RECOVERY FROM 74m					

? GRANITE.

Wet

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P86
AREA/PROSPECT: PICKAXE	CO-ORDS: 14300. E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 30m	
DATE: 24th. August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam with					
1	2	" 10% calcareous					
2	3	" with 70% calcareous					
3	4	Grey-brown clay + minor red clay					
4	5	" "					
5	6	" "					
6	7	Mixed red & white sandy clay					
7	8	"					
8	9	"					
9	10	" (mostly red).					
10	11	Dark red (haematitic?) clay					
11	12	"					
12	13	Mixed red & light grey clay					
13	14	Dirty white clay					
14	15	Pinkish white sandy clay					
15	16	"					
16	17	Red sandy clay - contains ironstone &					
17	18	" qtz chips (10% total)					
18	19	" Wet					
19	20	" Dump					
20	21	Mixed red (dominant) & yellow clay					
21	22	" " " "	13601		35	70	40
22	23	" " " "					
23	24	Red-brown clay					
24	25	Brick red clay	13602		65	110	80
25	26	" Minor weathered ? bif					
26	27	"	13603		70	145	80
27	28	" A few chips of K-feldspar &					
28	29	NO SAMPLE biotite					
29	30	NO SAMPLE					
30	31	EOH					
31	32	HOLE ABANDONED. - LOST CIRCULATION					

WET
DAMP
↓

WET
↓

? GEMITE
? BIF

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. P87
AREA/PROSPECT: PICKAXE	CO-ORDS: 14400 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 21 m	
DATE: 24th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown sandy loam with 30-60% calcareous					
1	2		Grey clay + minor brick red clay					
2	3		"					
3	4		"					
4	5		"					
5	6		"					
6	7		Red clay with 60% ironstone chips					
7	8		Mixed ironstone chips, red & white clay					
8	9		Grey to white clay + minor red clay					
9	10		" "					
10	11		White clayey sand.					
11	12		Red clayey sand + minor white sand					
12	13		Grey clay nodules coated with red clay					
13	14		" VERY POOR SAMPLE					
14	15		" "					
15	16		" "					
16	17	?	Yellow-green + grey clay, poor sample					
17	18		" " "	13604		75	45	105
18	19		" " "					
19	20	bioher schist	Dark green biotite schist (biotite, epidote, orthoclase minor qtz - foliated).	13605		80	20	140
20	21			13606		60	25	125
		EOH	CAVE IN - LOSS OF CIRCULATION					
			HOLE ABANDONED BUT ADEQUATE UNCONTAMINATED					
			SAMPLE WAS OBTAINED IN LAST					
			2 METRES					

WET.

"

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P88
AREA/PROSPECT: PICILAXE	CO-ORDS: 14500 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D.	
DATE: 25th August 1989		

	DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
	FROM	TO				Cu	Pb	Zn
	0	1	Light brown loam with 40% calcare					
	1	2	" 70% calcare					
	2	3	Red clay					
	3	4	"					
	4	5	"					
	5	6	"					
	6	7	Mixed white, ^{sand} & red clay					
	7	8	Grey clay (Weathered silicate) + red clay					
	8	9	Mixed white sand & red clay					
	9	10	" "					
	10	11	Grey clay (Weathered silicate) with minor red clay					
WET.	11	12	White qtz & calcare - HARD					
"	12	13	" " "					
"	13	14	White clay + weathered silicate					
↓	14	15	"					
DAMP	15	16	Pale yellowish clay with silicate chips					
JAMP	16	17	Straw yellow clay with 10% qtz grains					
"	17	18	" (1-2mm)					
WET	18	19	"					
↓	19	20	"					
"	20	21	"					
"	21	22	Pale yellow-white clay with chips of qtz,					
	22	23	" + orthoclase granite - denuded					
DAMP	23	24	Pale yellow clay with qtz, orthoclase & minor					
↓	24	25	epidote = weathered granite?	13607		5	35	25
	25	26	Epidote, qtz & orthoclase chips in					
	26	27	greenish yellow clay					
	27	28	"	13608		5	45	30
	28	29	" = WEATHERED GRANITE					
	29	30	EOH					
			EXTREMELY HARD AT 28.5.					
			REASONABLY FRESH GRANITE					

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER: P89
AREA/PROSPECT: PICKAXE	CO-ORDS: 14600 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 29m	
DATE: 25th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1		Light brown loam with 20% calcite nodules.					
1	2		lt brown loam + red clay " " "					
2	3		Red clay					
3	4		"					
4	5		Red clay with 10% ironstone.					
5	6		White sand (weathered siltstone) + minor red clay					
6	7		" " " "					
7	8		" " " "					
8	9		Red (+ minor grey) clay					
9	10		Grey clay with minor red & yellow clay					
10	11		Mixed grey & red clay					
11	12		White clayey sand					
12	13		Weathered siltstone chips + 1-2mm Qtz grains					
13	14		" "					
14	15		Siltstone chips with 40% ironstone chips					
15	16		"					
16	17		"					
17	18		"					
18	19		Red sludge - clay - no chips					
19	20		"					
20	21		Red brown clay					
21	22		" with qtz and orthoclase chips					
22	23		Red-yellow clay with grains of qtz,					
23	24		orthoclase, minor epidote & biotite	13609		<5	5	25
24	25		"					
25	26		Pale biotite gneiss					
26	27		Pale biotite gneiss	13610		25	20	55
27	28		"					
28	29		POOR SAMPLE.					
		BIOTITE GNEISS						
		EON						
			EXTREMELY HAND.					

WET
DAMP

↓

WET
"
DAMP.

↓

WET.

↓

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 1
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 12000 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 25th August 1989	T.D. 12m	

[illegible]

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH3
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 12200 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 25th August 1989	T.D. 26m	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH4.
AREA/PROSPECT: IRINSTONE HILL	CO-ORDS: 12300 E	
LOGGED BY: S. THORNETT		HOLE TYPE: ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 25 August 1989	T.D. 17m	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IHS
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 12400	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 25th August 1989	INCLIN. VERTICAL	
	T.D. 14m	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. JH 6
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 12500	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 25th. August 1989	INCLIN. VERTICAL	
	T.D.	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 8
AREA/PROSPECT: IRONSTONE HILL.	CO-ORDS: 12700 E	HOLE TYPE:
LOGGED BY: S. THORNETT		ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 25th August 1989	T.D. 10m	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH9
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 12800 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST •
DATE: 2512 August 1989	T.D. 5m	

[illegible]

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 10.
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 12900	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 25th August 1989	T.D. 12m	

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1	BIOTITE GRANITE	Pale brown sandy loam.					
1	2		" with qtz rubble					
2	3		Quartz rubble - minor biotite					
3	4		"					
4	5		"					
5	6		"					
6	7		Weathered biotite granite					
7	8		Qtz, Kfeldspar, biotite (up to 30%),	13631		10	5	40
8	9		weathered					
9	10		As above " becoming fresher					
10	11		Fresh biotite granite - coarse grained	13632		5	5	40
11	12	"						
12	13	E.O.H.						
13	14	NO WATER						
14	15							
15	16							
16	17							
17	18							
18	19							
19	20							

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. I 4 11
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 13000 E	HOLE TYPE:
LOGGED BY: S. THORNETT		ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 25th August 1989	T.D. 5m	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH12
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 13100	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 26th August 1989	INCLIN. VERTICAL	
	T.D. 11m.	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 13
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 13200 E	HOLE TYPE:
LOGGED BY: S. THORNETT		
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th August 1989	T.D. 6m.	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 14
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 13300	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 26th August 1989	INCLIN. VERTICAL	
	T.D. 6m	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 15
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 13400 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th. August 1989	T.D. 7m.	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 16
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 13500. E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th August 1989	T.D. 7	

NEAR SAND DUNE

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 16A
AREA/PROSPECT: Ironstone Hill	CO-ORDS: 13495 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th August 1989	T.D. 14m,	

ON SAND DUNE

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH18
AREA/PROSPECT: Ironstone Hill.	CO-ORDS: 11900 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th August 1989	T.D. 4m	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 19
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 11800 E	
LOGGED BY: S. THORNETT		HOLE TYPE:
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	ROTARY AIR BLAST
DATE: 26th August 1989	T.D. 5m	

PROJECT: LAKE GILLES	LINE: 3	BOREHOLE NUMBER. IH 20
AREA/PROSPECT: IRONSTONE HILL	CO-ORDS: 11700	
LOGGED BY: S. THORNETT	E	HOLE TYPE:
DRILLED BY: THOMPSON DRILLING		ROTARY AIR BLAST
DATE: 26th August 1989	INCLIN. VERTICAL	
	T.D.	

0310

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES AREA/PROSPECT: Ironstone Hill LOGGED BY: S. THORNETT DRILLED BY: THOMPSON DRILLING DATE: 26th August 1989	LINE: 3 CO-ORDS: 11600 E INCLIN. VERTICAL T.D.	BOREHOLE NUMBER. IH 21 HOLE TYPE: ROTARY AIR BLAST
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PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: RED DAM TRACK	BOREHOLE NUMBER: GDI
AREA/PROSPECT: GILLES DOWNS	CO-ORDS: 0.9 km north of highway	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 20	
DATE: 29th August 1989		

DEPTH			DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO					Cu	Pb	Zn
0	1	BIF.	Brown sandy loam 20% calcite					
1	2		Light brown loam with 50% calcite					
2	3		" " "					
3	4		Red clay (with minor grey clay)					
4	5		" "					
5	6		" "					
6	7		Grey sandy clay - minor red clay					
7	8		"					
8	9		"					
9	10		Mixed grey and red clay					
10	11	WEATHERED GRANITE	" " with minor ironstone	13669		<5	5	10
11	12		Grey clay with chips of haematite qtz rock					
12	13		Grey clay with very minor haematite/qtz rock					
13	14		White clay with 10% grey qtz grains (1-2mm)					
14	15		(Dirty white) "					
15	16		" "					
16	17		" "	13670		<5	50	10
17	18		" "					
18	19		Granite derived qtz + very minor weathered feldspar.					
19	20							
20	21							
21	22		EXTREMELY WET FROM 18m					
22	23		NO SAMPLE RETURN AT 20m.					
23	24							
24	25							
25	26							
26	27							
27	28							
28	29							
29	30							

DAMP

WET

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: RED DAM TRACK	BOREHOLE NUMBER. GD2
AREA/PROSPECT: GILLES DOWNS	CO-ORDS: 2.7 km NW E of highway	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 45m	
DATE: 27th August 1989		

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam with 10% calcareous					
1	2	" " " " with 30% calcareous					
2	3	Red-brown clay					
3	4	Red clay - minor ironstone (<5%)					
4	5	Mixed red & grey clay					
5	6	" "					
6	7	Grey clay with minor red clay					
7	8	"					
8	9	"					
9	10	Grey clay + 70% siliceous chips					
10	11	Mostly red clay + minor (10%) lenses					
11	12	Red clay with 20% white clay					
12	13	Pink sandy clay					
13	14	Red-brown sandy clay					
14	15	" "					
15	16	Brown sandy clay					
16	17	"					
17	18	"					
18	19	"					
19	20	Very light brown clay					
20	21	Brown clay					
21	22	"					
22	23	"					
23	24	"					
24	25	"					
25	26	Light brown sandy clay					
26	27	"					
27	28	Yellow brown clay					
28	29	"					
29	30	"					
30	31	"					
31	32	"					
32	33	"					

Under
Drill

PROJECT: LAKE GILLES	GO-GRDS.	N E	BOREHOLE NUMBER. GD2 (cont)
AREA/PROSPECT: GILLES DOWNS	R.L.		HOLE TYPE:
LOGGED BY: ST	INCLIN. AZIMUTH		
DRILLED BY: THOMPSON	T.D. (45 m total)		RAB.
DATE: 27th August 1989			

[illegible]

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ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 1 km on a bearing of 230°	BOREHOLE NUMBER: G03
AREA/PROSPECT: GILLES DOWNS	60-0000: from 602 E	HOLE TYPE:
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	ROTARY AIR BLAST
DRILLED BY: THOMPSON DRILLING	T.D. 38m	
DATE: 27th August 1989		

NOTE: Abundant surface calcrete at this location

DEPTH		DESCRIPTION	SAMPLE No.	SAMP WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam with 60% calcrete					
1	2	Dirty white clay + 60% calcrete					
2	3	Dirty white clay + weathered calcrete					
3	4	" " " " "					
4	5	Mixed red & white clay					
5	6	" " " " + minor yellow clay					
6	7	Mixed brown & white sandy clay					
7	8	"					
8	9	"					
9	10	"					
10	11	White clay with 10% quartz grains					
11	12	Light brown sandy clay					
12	13	"					
13	14	Dirty white sandy clay					
14	15	"					
15	16	V. pale yellow sandy clay (around 10% of sample = 1-2mm qtz grains)					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	Yellow & brown sandy clay (mixed)					
24	25	Light brown sandy clay					
25	26	"	13674		5	65	15
26	27	"					
27	28	Yellow-brown sandy clay - contains 10% qtz grains (1-2mm) and very minor (<1%) orthoclase					
28	29	"	13675		75	95	60
29	30	"					
30	31	"					
31	32	"	13676		90	75	90
32	33	"					

PROJECT:	CO - ORDS.	N E	BOREHOLE NUMBER.	603 cont
AREA/PROSPECT:	R.L.		HOLE TYPE:	
LOGGED BY:	INCLIN.	AZIMUTH		
DRILLED BY:	T.D.	38 m		
DATE: 27				

[illegible]

PERILYA MINES N.L.

ROTARY / PERCUSSION DRILL LOG

PROJECT: LAKE GILLES	LINE: 0.8 km W of	BOREHOLE NUMBER: 604
AREA/PROSPECT: GILLES DOWNS.	COORDS: Tractor	HOLE TYPE:
LOGGED BY: S. THORNETT	Daw - just N. of track.	
DRILLED BY: THOMPSON DRILLING	INCLIN. VERTICAL	
DATE: 27th August 1989	T.D.	ROTARY AIR BLAST

Note: Abundant surface calcite in this area - sometimes rubble, sometimes solid.

DEPTH		DESCRIPTION	SAMPLE No.	SAMP. WT (kg)	ASSAYS		
FROM	TO				Cu	Pb	Zn
0	1	Light brown sandy loam + minor calcite					
1	2	" " " " (10% calcite)					
2	3	" " " "					
3	4	Red clay (with f.g. sand)					
4	5	" " "					
5	6	Red brown sandy clay					
6	7	" "					
7	8	Yellow-brown sandy clay					
8	9	Light brown sandy clay with weathered					
9	10	Dirty white clay calcite					
10	11	Mixed white & red clay					
11	12	Red clay					
12	13	"					
13	14	"					
14	15	Yellow-brown clay					
15	16	Red clay					
16	17	"					
17	18	"					
18	19	"					
19	20	"					
20	21	"					
21	22	"					
22	23	"					
23	24	Mixed red and green clay					
24	25	Yellow-green clay with chips of qtz +	13677		55	20	115
25	26	bright green biotite schist					
26	27	"					
27	28	"	13678		30	20	130
28	29	"					
29	30	1 cm qtz chips + biotite gneiss chips					
30	31	Gneiss is bright green	13679		25	15	180
31	32	" (orthoclase = <10%)					
32	34	" 2m →	13680		15	10	55

BIOTITE (GREEN) SCHIST

OH at 34m.

PROJECT: LAKE GILLES	LINE: ^{1.2} 0.5 km W of	BOREHOLE NUMBER. 605
AREA/PROSPECT: GILLES DOWNS.	GO ORDS: Tractor Dam along track	HOLE TYPE: ROTARY AIR BLAST
LOGGED BY: S. THORNETT	INCLIN. VERTICAL	
DRILLED BY: THOMPSON DRILLING	T.D. 18m.	
DATE: 27th. August 1989		

[illegible]

APPENDIX 2**Geochemical Analyses - RAB Drill Hole Samples**



ANALABS

A Division of Inchcape Inspection and
Testing Services, Australia, Pty. Ltd.

0319
LAKE GILLES-RAB.

Phone (08)3365099

16 Sunbeam Road, Glynde, W.A. 6021

Fax (08) 3365564

ANALYTICAL REPORT No. 449.0.25.03897

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

Susan Thornett
Perilya Mines
9th Floor 5 Mill Street

Perth WA 6000

ORDER No.

0797

PROJECT

DATE RECEIVED

29/08/89

RESULTS REQUIRED

ASAP

No. OF PAGES OF RESULTS

12

DATE REPORTED

07/09/89

No. OF COPIES

1

TOTAL No. OF SAMPLES

295

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

2951/13000 & others

ro Prep : 029

Au/334

2951/13000 & others

ro Prep :

Cu,Pb,Zn/101

RESULTS

TO

Susan Thornett
Perilya Mines
9th Floor 5 Mill Street

Perth WA 6000

RESULTS

TO

RESULTS

TO

REMARKS


AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

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		449.0.25.03897				07/09/89		0797		1 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	12951	45	105	<0.001	20						
2	12952	10	210	<0.001	35						
3	12953	15	130	<0.001	25						
4	12954	15	50	<0.001	45						
5	12955	40	100	<0.001	35						
6	12956	25	75	<0.001	35						
7	12957	40	95	<0.001	40						
8	12958	15	50	<0.001	55						
9	12959	20	75	<0.001	30						
10	12960	20	55	<0.001	100						
11	12961	15	40	<0.001	35						
12	12962	25	50	<0.001	110						
13	12963	55	95	<0.001	255						
14	12964	20	115	<0.001	65						
15	12965	40	155	<0.001	105						
16	12966	75	280	<0.001	395						
17	12967	55	255	<0.001	320						
18	12968	90	1480	<0.001	630						
19	12969	195	780	<0.001	920						
20	12970	165	1040	<0.001	1180						
21	12971	50	160	<0.001	80						
22	12972	80	265	<0.001	320						
23	12973	65	170	<0.001	225						
24	12974	25	95	<0.001	50						
25	12975	85	435	<0.001	415						

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

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AUTHORISED OFFICER D.K. Rowley

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				449.0.25.03897		07/09/89		0797		2 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	12976	50	315	<0.001	120						
2	12977	155	260	<0.001	380						
3	12978	85	135	<0.001	560						
4	12979	70	155	<0.001	165						
5	12980	40	150	<0.001	90						
6	12981	30	90	<0.001	150						
7	12982	115	95	<0.001	1125						
8	12983	30	20	<0.001	455						
9	12984	35	25	<0.001	245						
10	12985	10	40	<0.001	60						
11	12986	15	40	<0.001	120						
12	12987	15	35	<0.001	125						
13	12988	25	35	<0.001	175						
14	12989	10	20	<0.001	20						
15	12990	15	25	0.005	30						
16	12991	20	35	<0.001	30						
17	12992	25	30	<0.001	25						
18	12993	25	25	<0.001	75						
19	12994	30	20	<0.001	60						
20	12995	30	25	<0.001	45						
21	12996	40	40	<0.001	40						
22	12997	75	95	<0.001	75						
23	12998	25	25	<0.001	50						
24	12999	15	15	<0.001	25						
25	13000	60	40	<0.001	55						

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		449.0.25.03897				07/09/89		0797		3 of 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13301	75	50	<0.001	60						
2	13302	45	45	<0.001	90						
3	13303	10	50	<0.001	30						
4	13304	5	90	<0.001	35						
5	13305	10	40	<0.001	100						
6	13306	10	45	<0.001	70						
7	13307	15	45	<0.001	150						
8	13308	15	60	<0.001	165						
9	13309	15	40	<0.001	20						
10	13310	10	40	<0.001	95						
11	13311	15	50	<0.001	60						
12	13312	30	135	<0.001	70						
13	13313	10	25	<0.001	180						
14	13314	15	25	<0.001	90						
15	13315	70	250	<0.001	325						
16	13316	75	255	<0.001	320						
17	13317	65	255	<0.001	240						
18	13318	40	50	<0.001	685						
19	13319	30	60	<0.001	260						
20	13320	15	30	<0.001	70						
21	13321	15	20	<0.001	60						
22	13322	40	160	<0.001	460						
23	13323	35	120	<0.001	245						
24	13324	10	25	<0.001	30						
25	13325	10	15	<0.001	30						

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PAGE

		449.0.25.03897				07/09/89		0797		4 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13326	20	50	<0.001	35						
2	13327	25	60	<0.001	95						
3	13328	45	105	<0.001	85						
4	13329	40	100	<0.001	100						
5	13330	25	75	0.001	30						
6	13331	15	55	<0.001	25						
(	13332	10	30	<0.001	10						
8	13333	10	25	<0.001	20						
9	13334	5	20	<0.001	20						
10	13335	95	495	<0.001	20						
11	13336	85	450	<0.001	5						
12	13337	20	35	<0.001	20						
13	13338	45	105	<0.001	75						
14	13339	10	25	<0.001	15						
15	13340	120	420	<0.001	390						
(	13341	90	330	<0.001	450						
17	13342	100	225	<0.001	215						
18	13343	115	284	<0.001	175						
19	13344	15	65	<0.001	20						
20	13345	15	55	<0.001	50						
21	13346	20	60	<0.001	40						
22	13347	10	50	<0.001	30						
23	13348	10	50	<0.001	105						
24	13349	40	290	<0.001	310						
25	13350	15	85	-	60						

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		449.0.25.03897				07/09/89		0797		5 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13351	20	110	-	45						
2	13352	25	100	-	20						
3	13353	5	10	-	20						
4	13354	5	10	-	20						
5	13355	5	10	-	70						
6	13356	5	10	-	<5						
7	13357	5	10	-	5						
8	13358	5	10	-	15						
9	13359	10	20	-	15						
10	13360	5	10	-	<5						
11	13361	20	15	-	15						
12	13362	35	10	-	10						
13	13363	10	15	-	10						
14	13364	5	5	-	5						
15	13365	5	10	-	5						
16	13366	40	45	-	25						
17	13367	50	50	-	20						
18	13368	5	10	-	<5						
19	13369	5	65	-	<5						
20	13370	5	65	-	<5						
21	13371	5	70	-	20						
22	13372	10	15	-	15						
23	13373	5	5	-	30						
24	13374	10	20	-	30						
25	13375	5	15	-	55						

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		449.0.25.03897				07/09/89		0797		6 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13376	<5	10	-	<5						
2	13377	5	5	-	5						
3	13378	25	90	-	15						
4	13379	25	90	-	30						
5	13380	5	15	-	10						
6	13381	5	10	-	5						
7	13382	65	95	-	20						
8	13383	120	135	-	15						
9	13384	100	125	-	20						
10	13385	150	150	-	25						
11	13386	210	150	-	10						
12	13387	60	75	-	30						
13	13388	5	25	-	10						
14	13389	35	105	-	100						
15	13390	30	120	-	155						
16	13391	60	120	-	105						
17	13392	50	115	-	90						
18	13393	15	30	-	20						
19	13394	25	65	-	25						
20	13395	35	75	-	25						
21	13396	55	165	-	165						
22	13397	40	140	-	115						
23	13398	40	90	-	30						
24	13399	15	35	-	30						
25	13400	25	70	-	20						

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TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13401	5	20	-	15						
2	13402	5	20	-	20						
3	13403	215	450	-	85						
4	13404	160	395	-	40						
5	13405	70	50	-	155						
6	13406	135	135	-	90						
7	13407	175	210	-	50						
8	13408	95	135	-	65						
9	13409	90	185	-	80						
10	13410	70	175	-	50						
11	13411	90	205	-	35						
12	13412	75	140	-	30						
13	13413	15	75	-	40						
14	13414	35	85	-	10						
15	13415	45	90	-	10						
16	13416	30	90	-	30						
17	13417	40	95	-	30						
18	13418	30	80	-	10						
19	13419	30	85	-	15						
20	13420	25	75	-	20						
21	13421	20	75	-	40						
22	13422	20	75	-	20						
23	13423	25	100	-	20						
24	13424	10	25	-	40						
25	13425	15	40	-	50						

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A Division of Inchcape Inspection and Testing Services Australia Pty.Ltd.

ANALYTICAL DATA

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		449.0.25.03897				07/09/89		0797		8 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13426	10	15	-	25						
2	13427	10	30	-	35						
3	13428	85	50	-	10						
4	13429	30	100	-	5						
5	13430	25	105	-	15						
6	13431	25	70	-	10						
(	13432	15	45	-	10						
8	13433	65	175	-	5						
9	13434	40	115	-	10						
10	13435	5	45	-	30						
11	13436	5	55	-	20						
12	13437	50	145	-	115						
13	13438	25	70	-	90						
14	13439	10	20	-	15						
15	13440	10	25	-	20						
(	13441	15	35	-	15						
17	13442	10	20	-	20						
18	13443	15	20	-	20						
19	13444	15	25	-	15						
20	13445	15	25	-	55						
21	13446	20	40	-	40						
22	13447	20	45	-	40						
23	13448	20	50	-	40						
24	13449	35	40	-	135						
25	13450	40	45	-	140						

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

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TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13451	35	45	-	110						
2	13452	35	60	-	95						
3	13453	60	155	-	25						
4	13454	50	150	-	25						
5	13455	25	90	-	15						
6	13456	30	45	-	65						
7	13457	20	35	-	35						
8	13458	40	100	-	50						
9	13459	40	75	-	30						
10	13460	65	130	-	30						
11	13461	20	50	-	30						
12	13462	20	35	-	20						
13	13463	20	45	-	20						
14	13464	10	50	-	30						
15	13465	15	50	-	40						
16	13466	30	55	-	50						
17	13467	55	75	-	10						
18	13468	80	180	-	10						
19	13469	15	20	-	10						
20	13470	10	25	-	10						
21	13471	15	30	-	5						
22	13472	100	235	-	5						
23	13473	110	300	-	10						
24	13474	125	275	-	15						
25	13475	25	45	-	25						

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A Division of Inchcape Inspection and Testing Services Australia Pty Ltd.

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		449.0.25.03897				07/09/89		0797		10 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13476	30	50	-	10						
2	13477	70	50	-	<5						
3	13478	35	65	-	5						
4	13479	50	90	-	<5						
5	13480	30	70	-	10						
6	13481	30	45	-	<5						
7	13482	15	30	-	5						
8	13483	15	25	-	15						
9	13484	15	15	-	5						
10	13485	10	15	-	5						
11	13486	35	75	-	25						
12	13487	30	50	-	20						
13	13488	95	85	-	25						
14	13489	55	80	-	10						
15	13490	30	55	-	55						
(	13491	35	55	-	120						
17	13492	65	95	-	25						
18	13493	25	70	-	110						
19	13494	25	55	-	105						
20	13495	260	140	-	5						
21	13496	260	170	-	10						
22	13497	295	220	-	<5						
23	13498	25	20	-	5						
24	13499	45	90	-	20						
25	13500	15	30	-	30						

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		449.0.25.03897				07/09/89		0797		11 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13551	130	160	-	15						
2	13552	105	150	-	25						
3	13553	150	100	-	5						
4	13554	30	75	-	5						
5	13555	25	55	-	35						
6	13556	40	90	-	20						
7	13557	65	95	-	15						
8	13558	70	105	-	20						
9	13559	70	100	-	15						
10	13560	25	80	-	10						
11	13561	20	75	-	10						
12	13562	60	195	-	15						
13	13563	35	110	-	10						
14	13564	50	140	-	5						
15	13565	45	140	-	5						
16	13566	40	80	-	55						
17	13567	60	120	-	30						
18	13568	30	65	-	30						
19	13569	15	40	-	5						
20	13570	5	10	-	5						
21	13571	5	10	-	10						
22	13572	10	15	-	5						
23	13573	10	15	-	65						
24	13574	10	20	-	50						
25	13575	30	55	-	25						

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		449.0.25.03897				07/09/89		0797		12 OF 12	
TUBE No.	SAMPLE No.	Cu	Zn	Au	Pb						
1	13576	35	60	-	20						
2	13577	25	20	-	40						
3	13578	20	65	-	25						
4	13579	5	5	-	15						
5	13580	10	5	-	10						
6	QC12960	20	55	<0.001	105						
7	QC12980	45	150	<0.001	95						
8	QC13000	60	45	<0.001	55						
9	QC13320	15	20	<0.001	70						
10	QC13340	120	415	<0.001	395						
11	QC13360	5	10	-	<5						
12	QC13380	5	15	-	15						
13	QC13400	25	70	-	20						
14	QC13420	25	70	-	20						
15	QC13440	5	20	-	20						
16	QC13460	65	120	-	30						
17	QC13480	30	60	-	10						
18	QC13500	15	30	-	25						
19	QC13560	25	75	-	5						
20	QC13580	5	5	-	10						
21											
22											
23	DETECTION	5	5	0.001	5						
24	UNITS	ppm	ppm	ppm	ppm						
25	METHOD	101	101	334	101						

Results in ppm unless otherwise specified

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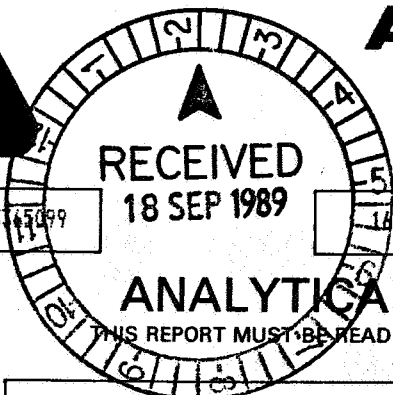
0332

LAKE GILLES - RAB



ANALABS

A Division of Inchcape Inspection and
Testing Services, Australia, Pty. Ltd.



Phone (08) 3365564

18 SEP 1989

Sunbeam Road, Glynde, S.A. 5070

Fax (08) 3365564

ANALYTICAL REPORT No.

449.0.25.03966

INVOICE TO:

Susan Thornett
Perilya Mines
9th Floor 5 Mill Street

Perth WA 6000

ORDER No.

0799

PROJECT

DATE RECEIVED

06/09/89

RESULTS REQUIRED

ASAP

No. OF PAGES
OF RESULTS

5

DATE
REPORTED

14/09/89

No.
OF COPIES

1

TOTAL No.
OF SAMPLES

107

SAMPLE NUMBERS

13581/13682, 0C13600/80/20

SAMPLE DESCRIPTION

ro Prep : 029

ELEMENT/METHOD

Cu, Pb, Zn/101

RESULTS

TO

Susan Thornett
Perilya Mines
9th Floor 5 Mill Street

Perth WA 6000

RESULTS

TO

RESULTS

TO

REMARKS

J. H. Rowley
AUTHORISED OFFICER

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A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

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PAGE

			449.0.25.03966			14/09/89		0799		1 OF 5	
TUBE No.	SAMPLE No.	Cu	Zn	Pb							
1	13581	<5	10	65							
2	13582	<5	15	35							
3	13583	<5	5	5							
4	13584	70	70	30							
5	13585	10	50	35							
6	13586	5	45	90							
7	13587	5	50	80							
8	13588	<5	15	<5							
9	13589	5	15	<5							
10	13590	30	60	15							
11	13591	80	125	10							
12	13592	115	155	5							
13	13593	<5	15	<5							
14	13594	15	35	10							
15	13595	40	65	15							
(	13596	85	100	20							
17	13597	65	75	30							
18	13598	120	105	50							
19	13599	95	85	35							
20	13600	50	55	25							
21	13601	35	40	70							
22	13602	65	80	110							
23	13603	70	80	145							
24	13604	75	105	45							
25	13605	80	140	20							

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ANALYTICAL DATA

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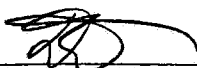
		449.0.25.03966				14/09/89		0799		2 OF 5	
TUBE No.	SAMPLE No.	Cu	Zn	Pb							
1	13606	60	125	25							
2	13607	5	25	35							
3	13608	5	30	45							
4	13609	<5	25	5							
5	13610	25	55	20							
6	13611	<5	75	<5							
7	13612	<5	55	<5							
8	13613	5	20	<5							
9	13614	<5	25	<5							
10	13615	<5	25	<5							
11	13616	45	65	20							
12	13617	25	35	5							
13	13618	40	90	15							
14	13619	50	120	5							
15	13620	40	65	<5							
(	13621	35	70	<5							
17	13622	35	95	5							
18	13623	<5	60	5							
19	13624	<5	60	<5							
20	13625	<5	30	<5							
21	13626	<5	20	5							
22	13627	<5	50	5							
23	13628	<5	30	5							
24	13629	<5	25	5							
25	13630	<5	30	5							

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

- = element not determined

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ANALYTICAL DATA

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		449.0.25.03966				14/09/89		0799		3 OF 5	
TUBE No.	SAMPLE No.	Cu	Zn	Pb							
1	13631	10	40	5							
2	13632	5	40	5							
3	13633	15	45	10							
4	13634	15	30	10							
5	13635	65	115	30							
6	13636	30	95	15							
7	13637	<5	20	5							
8	13638	<5	15	<5							
9	13639	<5	20	5							
10	13640	<5	40	5							
11	13641	20	35	<5							
12	13642	<5	25	<5							
13	13643	20	50	5							
14	13644	<5	45	5							
15	13645	<5	100	<5							
(	13646	5	35	5							
17	13647	20	65	15							
18	13648	<5	20	10							
19	13649	<5	15	10							
20	13650	<5	35	10							
21	13651	<5	70	10							
22	13652	<5	75	5							
23	13653	<5	35	15							
24	13654	<5	30	10							
25	13655	<5	15	110							

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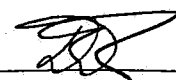
			449.0.25.03966			14/09/89		0799		4 OF 5	
TUBE No.	SAMPLE No.	Cu	Zn	Pb							
1	13656	<5	5	70							
2	13657	<5	20	125							
3	13658	<5	50	230							
4	13659	200	170	60							
5	13660	180	185	125							
6	13661	55	60	210							
7	13662	75	45	170							
8	13663	30	15	305							
9	13664	25	15	375							
10	13665	<5	10	55							
11	13666	<5	10	55							
12	13667	<5	35	35							
13	13668	<5	25	35							
14	13669	<5	10	5							
15	13670	<5	10	50							
(	13671	15	35	120							
17	13672	5	20	95							
18	13673	5	25	85							
19	13674	5	15	65							
20	13675	75	60	95							
21	13676	90	90	75							
22	13677	55	115	20							
23	13678	30	130	20							
24	13679	25	180	15							
25	13680	15	55	10							

Results in ppm unless otherwise specified

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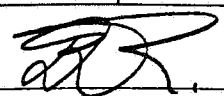
		449.0.25.03966				14/09/89		0799		5 OF 5	
TUBE No.	SAMPLE No.	Cu	Zn	Pb							
1	13681	<5	65	20							
2	13682	5	60	25							
3	QC13600	40	50	15							
4	QC13620	40	65	<5							
5	QC13640	<5	45	5							
6	QC13660	190	195	125							
7	QC13680	20	55	35							
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23	DETECTION	5	5	5							
24	UNITS	ppm	ppm	ppm							
25	METHOD	101	101	101							

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

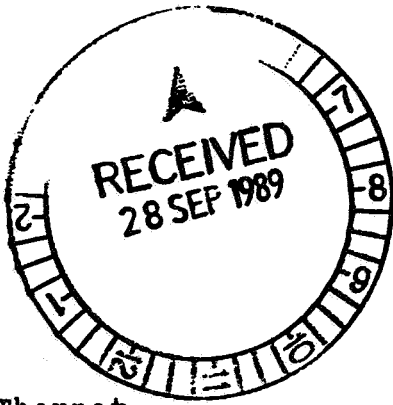
X = element concentration is below detection limit

- = element not determined

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APPENDIX 3

**Kaolin - Results of Analyses and Tests Carried out
on Samples from the Pickaxe Dam Area**



Assoc Prof R J Gilkes
Soil Science
University of Western Australia
Nedlands, WA 6009

380.2509

26th September 1989

Ms Sue Thornet
Perilya Mines NL
9th Floor
5 Mill St
Perth, WA 6000

Dear Sue,

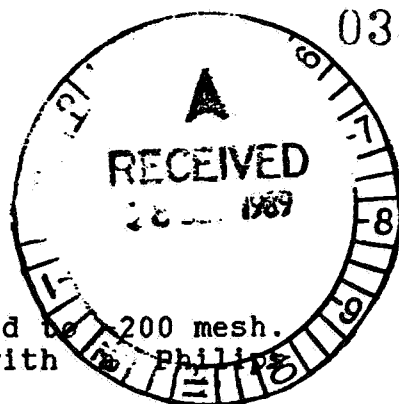
Your Order Number 1003 dated 18.9.89

Please find enclosed results for your four clay samples and a bill for this work. I am sorry for the delay in providing these results, we are usually much quicker.

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'R J Gilkes'.

R J Gilkes



Results of XRD Analysis

Subsamples of whole samples were crushed and ground to 200 mesh. XRD patterns of the powders were obtained with a Philips diffractometer using Cu radiation.

<u>Sample</u>	<u>Mineralogy</u>
P15-11	kaolinite 80% illite 5% quartz 15%
P15-144	kaolinite 70% illite 5% quartz 25%
P23-11	kaolinite 60% illite 10% quartz 30%
P38-10	kaolinite 70% quartz 30% halite, others, trace

Note

The kaolinite is of the moderately well crystalline variety. Much of the quartz is of sand size and could be separated from the clay by sedimentation.

A handwritten signature in cursive script, appearing to read "R J Gilkes".

R J Gilkes

PERILYA MINES N.L. W.A.

KAOLIN

Report by

The Division of Mineral Products, CSIRO
Floreat Park, W.A.

INTRODUCTION

A kaolin sample, P15-11, from the Eyre Peninsula in South Australia was submitted for -2 micron yield and brightness testing.

RESULTS

1. Particle Size Distribution of Total Sample

Wt Total Sample (oven dried) = 750 g

<u>Microns</u>	<u>% Yield</u>
+ 150	33.0
-150 + 53	7.5
-53 + 2	36.0
-2	<u>23.5</u>
	<u>100.0</u>

2. -2 Micron Fraction Brightness (Elrepho. MgO Std)

<u>% Reflection at Wavelength</u>		<u>Yellow Factor</u>
570 nm	457 nm	
88.8	75.0	13.8

RESULTS SUMMARY

The -2 micron yield on P15-11 is within the normal values which we have encountered for Australin Kaolin deposits. The values range from approximately 15 to 40% of -2 micron material. The significance of the amount of -2 micron material is related to mining costs, i.e. from 10% in Cornwall UK, to 60% in Georgia USA.

The brightness figures are not good enough for paper coating kaolins where the requirement is 86% at 457 nm. This sample is a salmon pink colour which suggests a high Fe and possible Ti content. It is recommended that you have a chemical analysis done on this sample to verify this conclusion. Organics and some Fe contamination can be removed by chemical bleaching methods. However, discrete particles of Fe and Ti usually have to be removed by high intensity magnetic separation. Both these methods are fairly common practice within the industry but obviously add to processing costs.

As the sample originates from a dry region it is highly probable that it contains unacceptably high amounts of soluble salts. Even very low concentrations of soluble salts will have a detrimental effect on viscosity properties.

It is recommended that for any possible further work that a sample of at least 3 kg raw clay be submitted for viscosity testing.



ANALABS

A Division of Inchcape Inspection and
Testing Services, Australia, Pty. Ltd.

Phone (09) 4587999

32 Murray Road, Welshpool, W.A. 6106

Fax (09) 4582922

ANALYTICAL REPORT No. 449.0.01.72284

THIS REPORT MUST BE READ IN CONJUNCTION WITH THE ACCOMPANYING ANALYTICAL DATA

INVOICE TO:

Sue Thornett
Perilya Mines NL
9th Floor
5 Mill Street
Perth WA 6000

ORDER No.

1113

PROJECT

DATE RECEIVED

06/12/89

RESULTS REQUIRED

ASAP

No. OF PAGES
OF RESULTS

1

DATE
REPORTED

07/12/89

No.
OF COPIES

1

TOTAL No.
OF SAMPLES

1

SAMPLE NUMBERS

SAMPLE DESCRIPTION

ELEMENT/METHOD

5-11

CL Prep :

Fe/104

P15-11

CL Prep :

Ti/401

RESULTS

TO

Sue Thornett
Perilya Mines NL
9th Floor
5 Mill Street
Perth WA 6000

RESULTS

TO

RESULTS

TO

REMARKS

D. Mally
AUTHORISED OFFICER

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

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PAGE

449.0.01.72284

07/12/89

1113

1 OF 1

TUBE No.	SAMPLE No.	Ti	Fe							
1	P15-11	2200	0.5							
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23	DETECTION	50	0.1							
24	UNITS	ppm	%							
25	METHOD	401	104							

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure

X = element concentration is below detection limit

— = element not determined

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OFFICERD. Hall