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Aberfoyle Resources Limited

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EXPLORATION DIVISION

ACN 004 664 108

MINERAL RESOURCES
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20 MAR 1997
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MATERIAL ID | DATE

EXPLORATION LICENCE 106/87

LAKE MACKINTOSH

TASMANIA
MICROFILMED
FICHE No. 014297-01

Progress Report for the Period

February 1996 to February 1997

VOLUME 1 OF 1

MINERAL RESOURCES
19 MAR 1997
TASMANIA

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Internal Report No. Mackintosh 66

TABLE OF CONTENTS

		Page No.
1.	SUMMARY	1
2.	INTRODUCTION	2
3.	WORK COMPLETED	3
	3.1 Review of structural targets	3
	3.2 Soil Sampling over Lower Tyndall Group	4
	3.3 Maverick Anomaly Wacker Sampling	5
	3.4 Magnetic Susceptibility Readings	6
	3.5 AGSO Seismic data	6
	3.6 TMI Sampling program	7
	3.7 EM depth soundings	8
4.	DISCUSSION OF RESULTS	9
	4.1 Introduction	9
	4.2 Geology of the Mayday drill target	9
	4.3 Drillhole design	12
5.	EXPENDITURE	15
5.	CONCLUSIONS	16
6.	REFERENCES	17

LIST OF APPENDICES

I Report by Renata Sliwa: Review of drill targets and updates of structural model of the Mackintosh Basin, NW Tasmania

II Murray's Road LTG soil sampling data: Assay sheets and Lab data

III Maverick Anomaly Wacker sampling: Assay sheets and Lab data

IV Magnetic Susceptibility data: Holes MAC 21, 28, 33, 35, 36, 37 and 40

V AGSO Seismic data: Hellyer Seismic Line - Operational Report

VI Hellyer TMI Survey: Assay sheets and Lab data

VII Hellyer North EM Depth Soundings

LIST OF FIGURES

Page No.

1 Mackintosh District - Tenure Summary

2 Mackintosh Area. TMI Response Ratio

3 Mackintosh District. Mayday TMI Anomaly. Interpretive Geology

4 Mackintosh Area. Stratigraphic Correlation Diagram

5 Mackintosh District. Mayday TMI Anomaly. Regional Fold & Fault Patterns

6 Mackintosh District. Mayday TMI Anomaly. Facies variations in the Owen Conglomerate

7 Prognostic Section DDH MAC-43. Section on Line 14500N

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LIST OF PLATES

Plate	Title	Scale
MAC 468	Mackintosh District Long Sections - Hellyer to Mt. Cattley. Interpretations 1 to 3.	1:15,000
MAC 470	Mackintosh EL 106/87. Hellyer CML 103M/87. 1996 Soil Sampling Locations.	1:15,000
MAC 471	Mackintosh EL 106/87. Maverick Prospect. Wacker Sampling locations.	1:2,500
MAC 472	Mackintosh EL 106/87. Murray's Road Area Soil Sampling Locations	1:5,000

1. SUMMARY:

Work completed on Exploration Licence 106/87 Lake Mackintosh in the period February 1996 to February 1997 has included a variety of techniques from grassroots exploration to exploratory drilling.

A structural study completed three years ago was updated by further data collection and reviewed to rank existing drill targets in the licence. Soil sampling (Lower Tyndall Group in the Murrays Road area) and Wacker drilling (near the Cradle Mountain Link Road alteration zone) on two of these target areas did not return encouraging results. A pilot study on the usefulness of magnetic susceptibility measurements on drill core has shown the benefits of using this technique both during and after drilling.

Remaining work focused on the area to the north of the Hellyer orebody, where a 3 kilometre seismic line in collaboration with AGSO was completed. A major Transported Metal Ion geochemical survey of 1028 samples was completed in this area, with three anomalous areas being recognised in the data. The best of these three was the Mayday feature, which has Pb-isotope support as well as a favourable structural setting. The unfavourable aspect of this anomaly is the inferred depth to target horizon (the Hellyer ore position). To gain a more accurate estimate of this depth, EM depth soundings were completed around the target area.

The work completed during the reporting year has led to the recommendation of drill testing the Mayday anomaly. A hole in excess of 1800 metres is needed to complete the test. The hole is scheduled to commence in February, 1997 once all formalities have been completed.

2. INTRODUCTION:

The Lake Mackintosh Exploration Licence (EL 106/87) was granted to Aberfoyle Resources Limited on 5 February 1988, subject to the Hellyer Mine Agreement Ratification Act 1987. The licence comprised 135 sq. km. previously covered by EL's 2/70 (Mackintosh) and 15/73 (Hatfield) and encloses the 20.2 sq. km. of CML's 68M/84 and 103M/87 (encompassing the Que River and Hellyer mines and facilities).

Under the terms of this act the licence was issued for ten years with partial relinquishment required on the second and fifth anniversaries. The first partial relinquishment was effected in February 1990 when the licence was reduced from 135 to 95 sq. km. The second partial relinquishment from 95 to 54 sq. km. was effected on 5 February 1992. Current tenure is shown on Fig. 1.

This report summarises exploration completed on EL 106/87 for the period 1 February 1996 to 1 February 1997.

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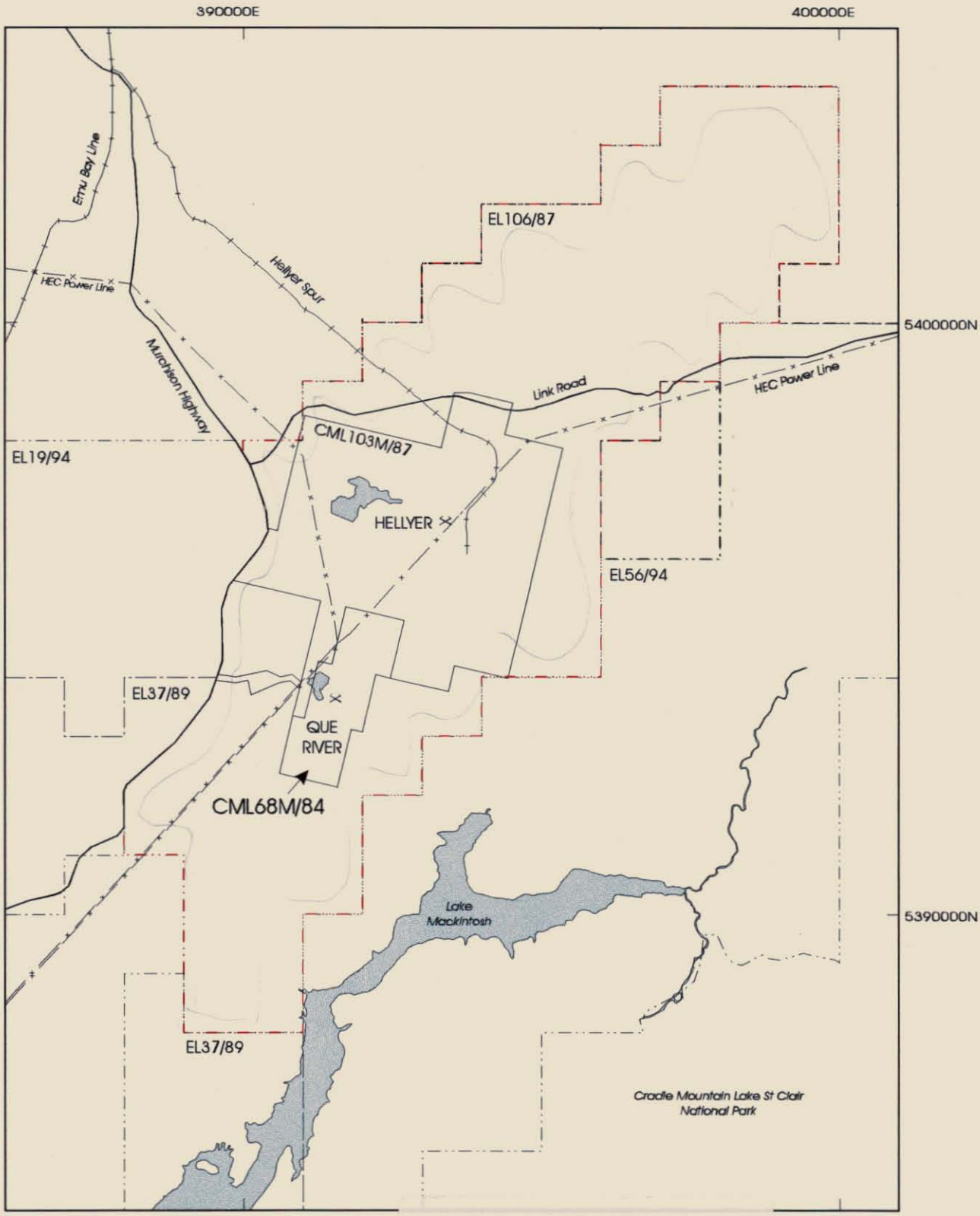


Figure 1.

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REVISIONS			
Init.	Date	Init.	Date

NORTH WEST TASMANIA

MACKINTOSH DISTRICT TENURE SUMMARY

Compiled : RdeB

Drawn: DJ1600C

Checked: SR

File Name: c_mac13-1.cdr

Location Code :

Scale : 1:100,000

Date: February 1997

Plate No. : C_MAC13(1)

3. WORK COMPLETED:

3.1 Review of Structural Targets:

A structural study of the Mackintosh basin was undertaken by Ethridge, Henley and Williams Geoscience Consultants in 1993. A further review of data and integration of further mapping and drillhole information led to the production of a second report (Sliwa, 1996) which reviewed drill target rankings.

This report has been reproduced in Appendix 1. Conclusions have particular relevance to the Mayday Fault area, which is discussed in Section 3.6 as a valid geochemical drill target.

3.2 Soil Sampling over Lower Tyndall Group:

A small soil sampling program of 271 samples were collected over inferred and outcropping areas of Lower Tyndall Group stratigraphy in the Murrays Road area within the Mackintosh EL during the reporting year. The target mineralisation was of the non-conductive gold rich Henty style. Samples were analysed at Analabs, Burnie (Job No. 100560.60.10876) for Au (by 30 gram fire assay with AAS finish), Ag, Cu, Pb and Zn (by perchloric acid digest AAS), and As and Ba (by XRF). All assays are shown on Plate MAC 472, and reported in Appendix 2 at the end of the report.

No anomalies thought to represent target mineralisation have been recognised in the data, and no follow-up has been recommended in the area.

3.3 Maverick Anomaly Wacker Sampling:

Fuchsite alteration and massive barite veining has been discovered outcropping on the Cradle Mountain link road 2.5 kilometres north of Hellyer. Hosted by Southwell

Subgroup volcaniclastics, the alteration is analogous to the fuchsite-barite alteration in Hellyer Basalt overlying the Hellyer orebody. This may mark a potential hangingwall plume along the Que-Hellyer corridor at around 13000N. A program of wacker sampling has been completed (due to poor outcrop away from the road cutting) to determine the extent and intensity of this alteration.

A total of 87 holes were drilled at 25 metre spacing along nine 50 metre spaced E-W gridlines as shown on Plate MAC 471. Assaying of samples was done by Analabs, Burnie, for Pb, Zn, Cu and Ag (by perchloric acid digest/AAS) Ba, As and Cr (by XRF) and Au (by 30g fire assay /AAS finish). Results are included in Appendix 3.

Results from logging of bedrock (BOH) chips, and assays from BOH samples were disappointing, with little encouragement received from base metal values or from the size of the alteration system. No further work has been recommended based on these results.

3.4 Magnetic Susceptibility Readings:

During the reporting period a number of diamond drill holes were measured by a hand-held magnetic susceptibility meter. Holes MAC 21, 28, 33, 35, 36, 37 and 40 were read. The information was collected for a number of reasons:

- to check whether magnetite is responsible for spurious EM responses in some of these holes
- to determine if magnetic susceptibility was an aid in stratigraphic subdivision
- to examine the correlation between alteration and magnetic susceptibility, as a guide to determine the usefulness of real-time logging of future drillholes,
- to indicate a source for magnetic anomalies seen in the airborne EM data, usually associated with mapped dacite.

It was found that magnetite does not appear to be responsible for EM responses in some holes; using magnetic susceptibility measurements to aid in stratigraphic subdivisions was helpful; there is a general correlation between a spikey response, with

occasionally high amplitude peaks, and haematite-carbonate alteration, while a flat, low response seems to correlate well with silica-sericite-pyrite alteration (various lithological effects confused this picture in some cases); and the data appears to indicate silica-haematite altered dacites as a source of magnetic anomalies in EM datasets. Full details of this data are contained in Appendix 4.

3.5 AGSO Seismic Data:

The Australian Geological Survey Organisation (AGSO) and Aberfoyle Resources Ltd conducted a Seismic Research Project in April, 1995. The project was instigated to acquire seismic reflection data in the vicinity of the Hellyer Mine, Tasmania. The data acquired would complement existing geophysical work and together with well known geological data give an improved understanding of the local geological features at depth.

The seismic survey obtained 3.0 kms of 10 fold CMP reflection seismic data along a traverse to the north of the Hellyer orebody. AGSO's contribution consisted of the use of the SERCEL SN368 acquisition system and data processing, whilst Aberfoyle contributed surveying and environmental costs. Operational costs for the project were shared by both organisations.

A full report detailing all operational aspects of the survey is reproduced in Appendix 5, and a discussion of results from this survey are contained in Section 4.2.4 ahead.

3.6 TMI Sampling program:

3.6.1 Sampling Procedure

A total of 1031 samples from within EL 106/87 were collected as part of a larger geochemical sampling program across the Mackintosh area (Dronseika, 1996).

Samples were collected from the B-horizon at a nominal 50 metres spacing over the 400 metre spaced grid, from dominantly residual soils. Duplicate and standard samples were added to the collection of samples submitted for assay. Sample locations are shown on Plate MAC 470.

3.6.2 Analytical Techniques

Samples were assayed at ALS in Brisbane. "Total" digests using nitric/perchloric acid were also carried out on splits of the same samples. Assays are located in Appendix 6 of this report, along with analytical codes for the total digest samples.

3.6.3 Presentation of Data

Partial digest data are presented as response ratios, determined by calculating the background value of the sample set, and dividing the individual samples assay by this background for any particular element. Response ratios can be aggregated for metals to enhance anomaly contrast. Response ratios which are twice background are considered anomalous.

3.6.4 Results

Two significant responses were detected from the data set within EL 106/87, as shown on Figure 2.

Feature A (the Medway anomaly) has an elevated Cu,Co and As response, but lacks Zn and Cd with minor Pb. Infill sampling to the north and south failed to indicate continuity. Despite the encouraging 'rabbit-ear' shape of the anomaly, it is not considered worthy of follow-up, mainly due to the absence of Pb and Zn in the sample.

Feature B (the Mayday anomaly) has a low amplitude overall, but is highly rated due to the association of Cd, Zn, Pb and Cu, and continuity of the anomaly on adjacent lines. The low amplitude could be reflecting a small

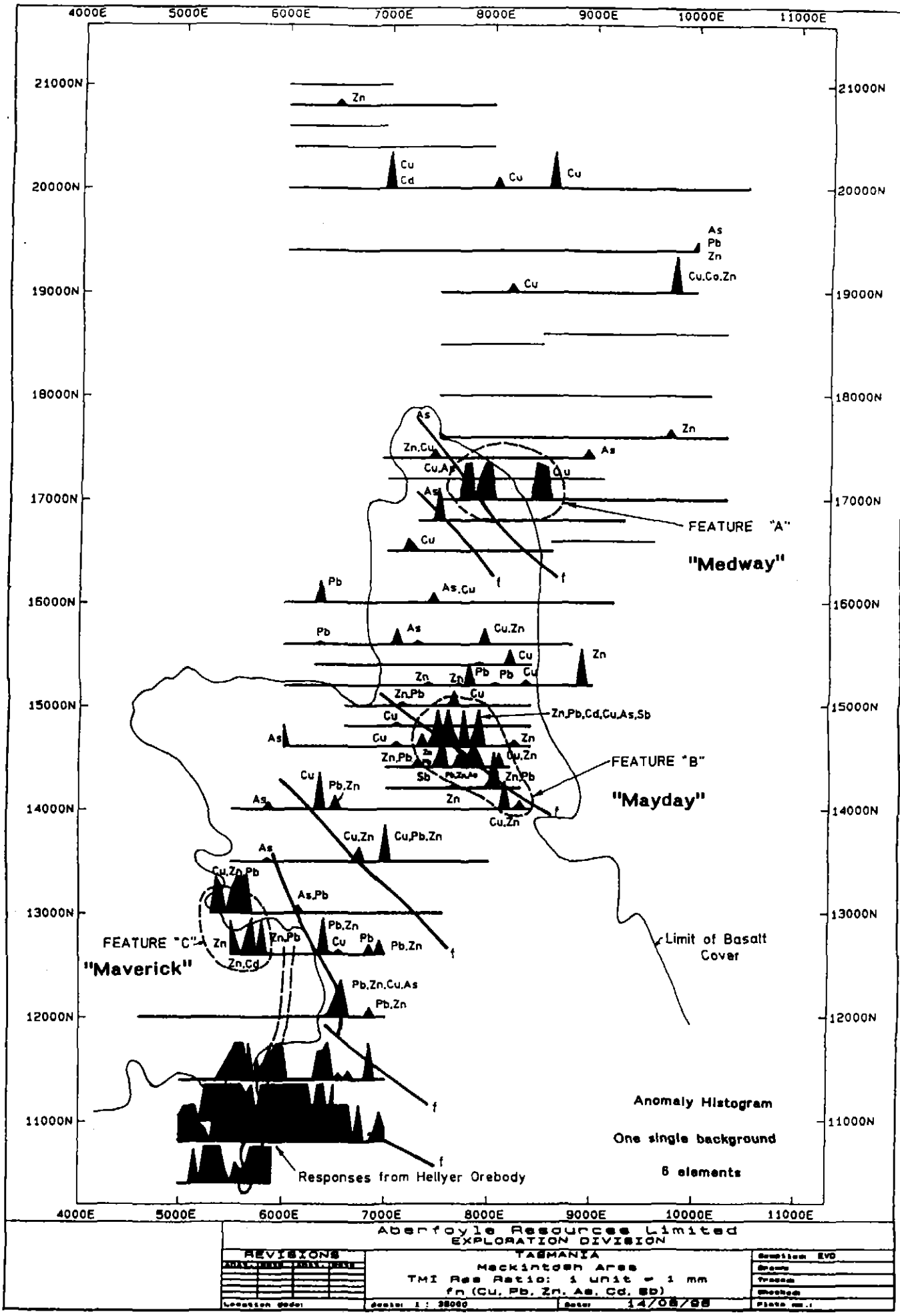

4000E
5000E
6000E
7000E
8000E
9000E
10000E
11000E
21000N
20000N
19000N
18000N
17000N
16000N
15000N
14000N
13000N
12000N
11000N
FEATURE "A"
"Medway"
FEATURE "B"
"Mayday"
FEATURE "C"
"Maverick"
Limit of Basalt Cover
Responses from Hellyer Orebody
Anomaly Histogram
One single background
6 elements
Aberfoyle Resources Limited
EXPLORATION DIVISION
TASMANIA
Mackintosh Area
TMI Res Ratio: 1 unit = 1 mm
fn (Cu, Pb, Zn, As, Cd, Sb)
14/08/88

Figure 2

source at shallow depth, or a large source at greater depth. The area has been previously covered by ground-EM, and no bedrock conductors were noted. Therefore a deeper source (>700 metres based on orientation sampling around Hellyer) is inferred for this feature. There is also geological support for this feature, as the Mayday Fault is sub-parallel in the vicinity of this TMI anomaly.

3.7 EM Depth Soundings

Six electromagnetic sounding data sets, using 400m x 400m loops were collected over the seismic and TMI anomaly lines within EL 106/87. This was done to ascertain if a conductive shale horizon exists in the vicinity (depth-wise) of a combined seismic feature and TMI anomaly, which could be interpreted as a favourable structure/setting for VHMS mineralisation.

Full technical information, location plans and interpretations regarding this survey are reproduced in Appendix 7.

4. DISCUSSION OF RESULTS:

4.1 Introduction:

The work described in Section 3 above has resulted in one proposal for further work. This area occurs on what is called the Mayday anomaly, which is a highly ranked TMI soil geochemical target, and a moderately ranked structural/conceptual target. It does not have any apparent geophysical response, but this is not surprising given the modelled depth of the target.

Target identification through to exploratory drilling on a number of different areas outside of Mayday have not returned results worthy of follow-up. Efforts are now being concentrated on planning a deep drill test of the Mayday feature as discussed below.

4.2 Geology of the Mayday Drill target:

4.2.1 Stratigraphy

The Mayday target area is underlain by correlates of the Cambro-Ordovician Owen Conglomerate and Cambrian Mt.Charter Group (Figs. 3 and 4). The Mount Charter Group includes three VHMS prospective horizons:

1. The Mount Cripps sub-group volcaniclastics are the youngest part of the Mt. Charter Group, and are a correlate of the Tyndall Group which, in the central and southern portion of the Mount Read Volcanics, hosts syngenetic, replacement and structurally controlled mineralisation at several stratigraphic levels, e.g., the Henty Au mineralisation, Comstock Pb-Zn mineralisation, and the Howards Anomaly-Tyndall Creek area.
2. The Southwell Sub-group underlies the Mt. Cripps Sub-group and is a sequence of volcaniclastics, greywacke and shale, and rhyolitic intrusives. A regional interpretation of the volcanic facies in the Mount read Volcanics (McPhie and Allen, 1992) has suggested that the lower part of this unit

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Figure 3

5 cm

Geology

- Quu — Quaternary Glacials
- Tul-B — Tertiary Alkali Basalts
- COde-csS — Undifferentiated Owen Group correlates
- Cm(c)v-c — Tyndall Group - Volcaniclastic conglomerates
- Cm(c)v-al — Tyndall Group - Volcaniclastic sandstones
- Cm(c)e-h — Tyndall Group - shales
- Cm(s)v-lF — Southwell Subgroup volcaniclastics
- Cm(s)e-g(m) — Southwell Subgroup - Greywacke and shale
- Cpi-(q) — Rhyolitic intrusives

TMI total response ratio

30 to	67,600	(38)
24 to	30	(8)
18 to	24	(12)
12 to	18	(31)
7 to	12	(105)
0 to	7	(1383)

Section line Figure 9.

Mayday Fault

Southwell River Fault

7450E

7650E

7700E

7900E

7000E

15000N

14800N

14600N

14400N

14200N

5401000 mN

5400500 mN

5400000 mN

5399500 mN

5399000 mN

5398500 mN

395000 mE

395500 mE

396000 mE

396500 mE

397000 mE

397500 mE

398000 mE

ABERFOYLE RESOURCES LIMITED

North Western Tasmania
Mackintosh District
Mayday TMI Anomaly
Interpretive Geology

Date: 5/2/1997	
Author: AMcN	
Office: BURNIE	
Plate: MAC473	
Scale: 1:10000	Projection: AMG Zone 55 (AGD 66)

0 100 200 400 metres

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MACKINTOSH AREA
STRATIGRAPHIC CORRELATION DIAGRAM

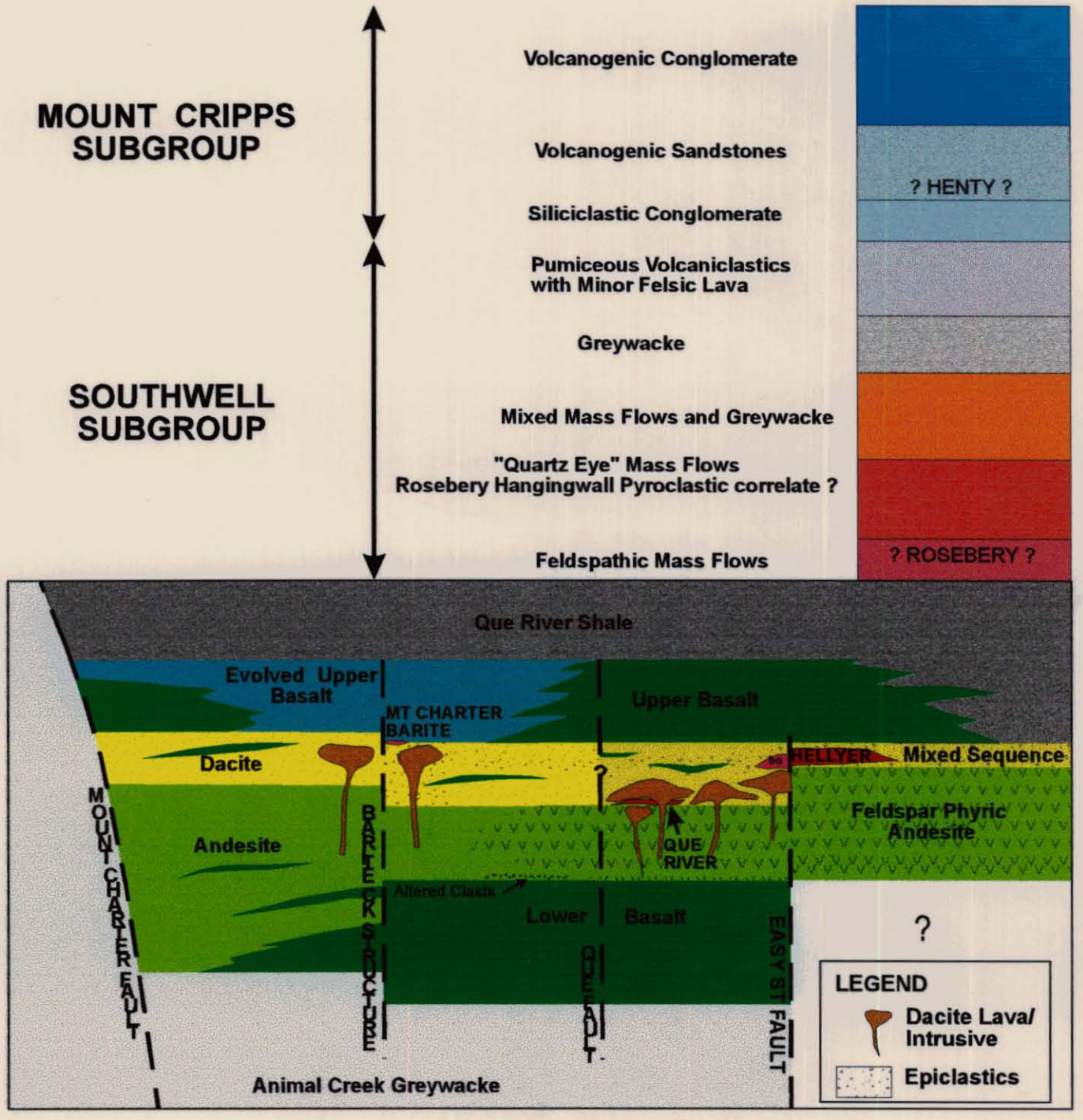


Figure 4

correlates with host unit to the Rosebery and Hercules mineralisation (see Lewis and Richardson, 1993 for a discussion).

3. The Que-Hellyer Volcanics (QHV) underlie the Southwell Sub-group, and host the Hellyer and Que River orebodies at a well defined stratigraphic horizon, the "Mixed Sequence" or Hellyer Ore-position. The QHV do not outcrop in the immediate vicinity of the Mayday anomaly, but their presence is inferred from drilling to both the south (12000N at Hellyer) and north (Pan-continental's holes at Mt. Cattley).

The potential of these three "ore positions" to host significant mineralisation beneath the Mayday anomaly has been assessed using the Cybersearch methodology. In this analysis (Thoms, 1996) the prospectivity, or more strictly suitability, of each horizon was evaluated by considering

- Stratigraphy (rocks of the right age)
- Host Rock (lithologies permissive to hosting mineralisation)
- Alteration (evidence for a mineralising system, and the characteristics of that system i.e., style of alteration and Pb-isotope signature).

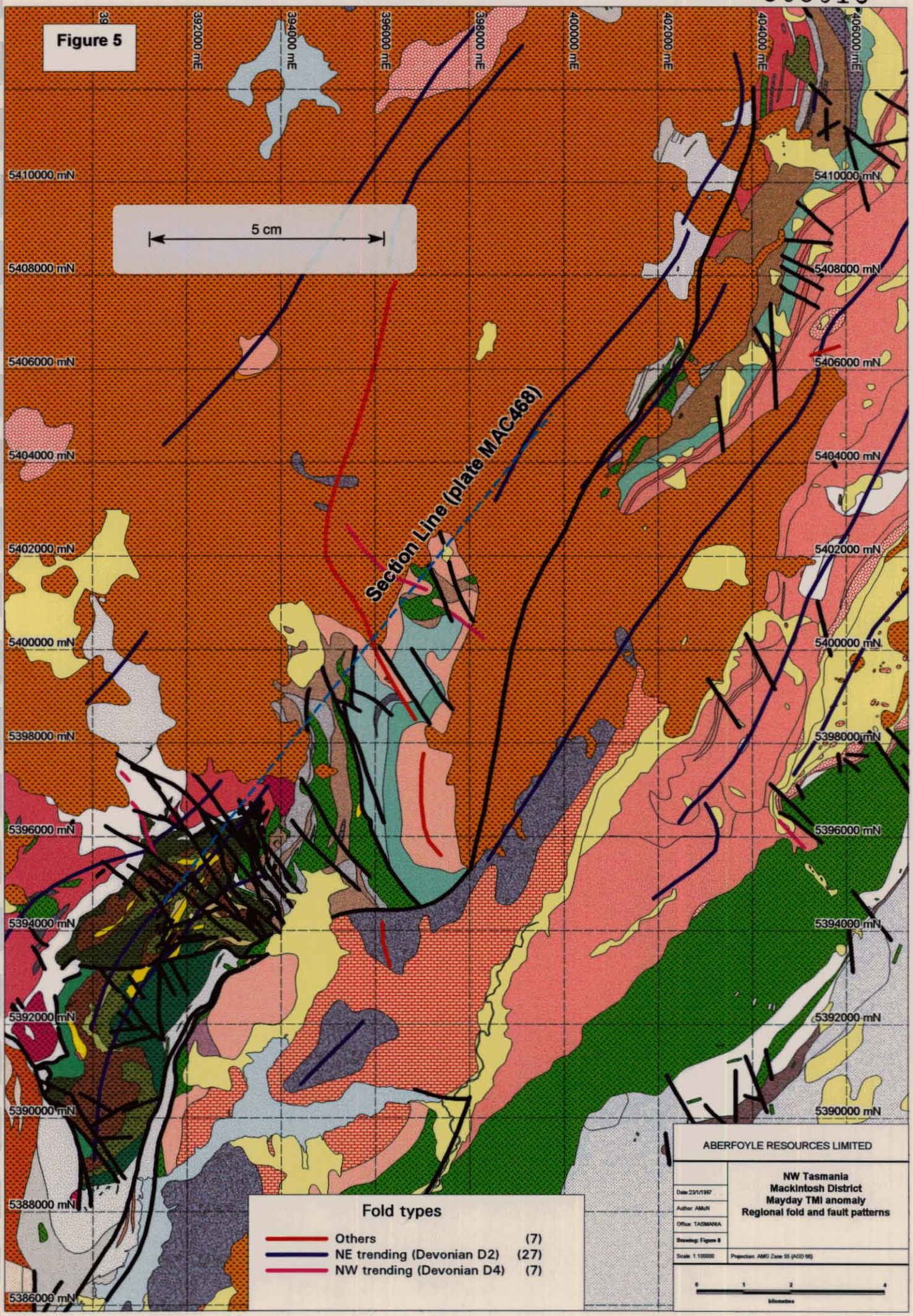
The results of this analysis indicate that the Hellyer ore-position is the most prospective, or suitable, of these three horizons.

4.2.2 Regional structure

The structural interpretation of the Mayday anomaly area is complicated by the following factors:

1. In terms of the regional structural framework, the Mayday anomaly occurs in a zone where the Devonian regional folding patterns, dominantly NE trending with later cross-cutting NW trending closures, are disrupted (Figure 5). The reasons for this are not obvious but may be related to the transfer of the Henty Fault, on the Que-Cripps fault system.
2. There is a lack of bedding orientation data in the Mayday area due largely to the poor outcrop and massive nature of the volcaniclastic conglomerate dominated upper part of the Mt. Cripps subgroup.
3. The variable relationship between Owen Conglomerate and underlying Mt. Cripps Subgroup; south of the Cradle Mt. Link Road the contact is largely

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Figure 5
392000 mE
394000 mE
396000 mE
398000 mE
400000 mE
402000 mE
404000 mE
406000 mE
5410000 mN
5408000 mN
5406000 mN
5404000 mN
5402000 mN
5400000 mN
5398000 mN
5396000 mN
5394000 mN
5392000 mN
5390000 mN
5388000 mN
5386000 mN
5 cm
Section Line (plate MAC468)
Fold types
Others (7)
NE trending (Devonian D2) (27)
NW trending (Devonian D4) (7)
ABERFOYLE RESOURCES LIMITED
NW Tasmania
Mackintosh District
Mayday TMI anomaly
Regional fold and fault patterns
Date: 23/1/1997
Author: AMcN
Office: TASMANIA
Drawing: Figure 8
Scale: 1:100000
Projection: AMG Zone 55 (AGD 66)
0 1 2 4
kilometres

conformable, whereas to the north it is largely unconformable. The well defined fold patterns in the Owen therefore cannot be used to predict structures in the underlying more massive volcanics.

4.2.3 Faulting

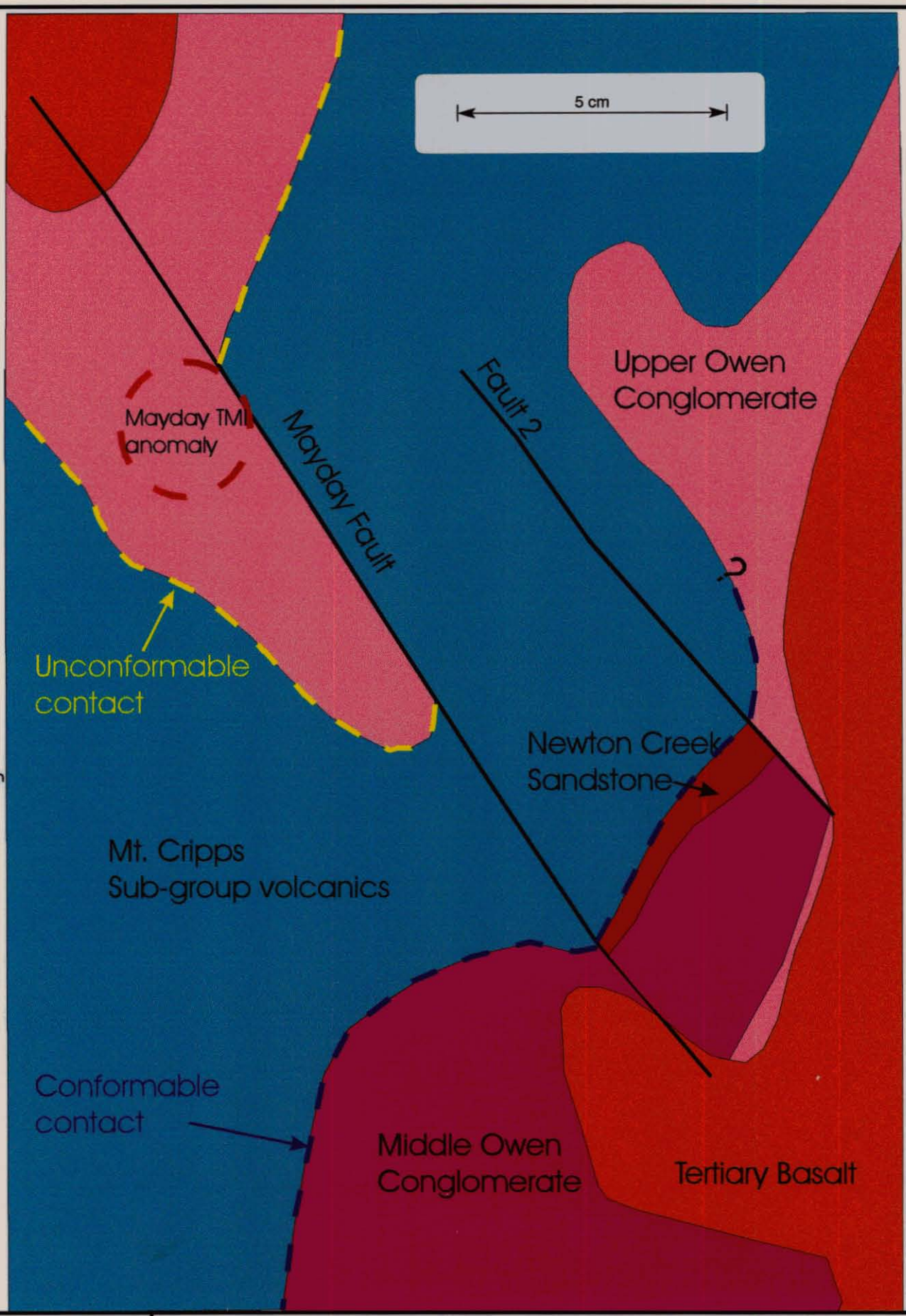
Major mapped structures in the Mayday anomaly area are the NW trending Mayday Fault and a second NW trending structure, further to the NE, shown on Komyshan (1986). In the structural model for the Mackintosh basin (Windh and Etheridge, 1992) such faults are possible Cambrian transfer faults that have been re-activated in the ?Devonian. Both these faults show evidence, largely in the form of rapid facies changes in the Owen Conglomerate, for activity in at least the late Cambrian (Figure 6) but evidence for earlier movement is not conclusive (see Sliwa,1996, for a discussion).

Other major changes in the stratigraphy of the Owen Conglomerate appear to occur on a NE axis, paralleling the northern extension of the Que-Hellyer corridor, as defined by magnetic and gravity data (Richardson, 1995). The intersection of this NE trending structural zone (?intra-basinal normal faulting) and a NW trending (transfer) zone in the Mayday anomaly area is considered to be a highly favourable structural setting for mineralisation (Windh and Etheridge, 1992).

A problem in the geological interpretation of the Mayday area is the orientation of the Mayday Fault, the dip of which is not constrained due to poor exposure, and most interpretations have given it a vertical dip (see Plate MAC 468). If this fault is west dipping at (at any angle <87°) then the source of the TMI anomaly, if deep at the Hellyer ore-position, will be on the footwall, northern side of the fault.

4.2.4 Geological Interpretation.

Three geological interpretations, all invoking a major synclinal structure to bring the QHV back to surface in the Cattley area, place the Hellyer ore-



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Figure 6

REVISIONS				Mackintosh District Mayday TMI Anomaly Facies variations in the Owen Conglomerate	Compiled : AMcN
Init.	Date	Init.	Date		Drawn :
					Checked :
					File Name : c_mac20.cdr
Location Code :				Scale : As Shown / Date : February 1997	Plate No. : C Mac20

position at depths of 1600m to 3100m and are shown on Plate MAC 468 (see Figure 5 for section line). Differences in these interpretations result from inferences of thickness variations in the Southwell Subgroup, and the effects of the Southwell River Fault interpreted by Sliwa (1996).

These factors and the lack of drill control in the Mayday area make estimates of depth to the Que-Hellyer volcanics, based on simple extrapolation from known geology, unreliable. Deeply penetrating geophysical techniques, i.e., seismic and resistivity soundings, were therefore used to help constrain the geology.

The 1995 AGSO detailed seismic reflection line has been interpreted in conjunction with the Hellyer seismic line (used to tie reflectors to DDH's HL-469 and -852). Reflectors possibly resulting from the top of the QRS have been interpreted at 1000-1200m depth at the eastern end of the traverse (0.8 km SW of the Mayday anomaly). Despite some uncertainty in these depth estimates, due largely to poorly known sonic velocities of these lithologies, they are in agreement with resistivity soundings (see below and Appendix 7) collected from three loops and which yield depths to the Que River Shale of 1000m.

The QRS should be detectable as it is weakly conductive (100-200 ohm-m) in contrast to most of the volcanics and sediments in the Mackintosh district which are relatively resistive (approx. 1000 ohm-m). It would therefore be expected that a deeply buried, in the order of 1 km, shale unit will influence an electromagnetic signal by "very small" amounts in absolute terms but large amounts in relative terms. Results of a three loop depth sounding survey over Line 14600N, and partially covering the TMI anomaly, are included as Appendix 7. The depth to a moderately conductive layer (interpreted to be the Que River Shale) varies from 1000 - 1500m with an increase in depth to the east (consistent with the regional geological interpretation). These results have been used in interpretation 3, to give an estimated depth to the Que River Shale of 1200-1300m.

In the immediate vicinity of the Hellyer orebody the combined thickness of the Pillow lava sequence and QRS reaches a maximum of 400m, although it thins rapidly to the north. Assuming that this is the maximum likely thickness of QHV, then the Hellyer ore position should be at 1600-1700m below the Mayday anomaly.

4.2.5 Summary

The regional structure of the Mayday target area is poorly understood, but the anomaly occurs in a regional syncline at the intersection of a NW trending fault, active in the late Cambrian, and the NE trending Que-Hellyer corridor, a structurally favourable position for VHMS formation. A review of potential ore-horizons indicates that mineralisation is most likely to occur at the Hellyer ore position, which has been interpreted to lie at 1600-3100m below surface in the Mayday target area, on the basis of poorly constrained extrapolation from drilling 3 km to the south and 5 km to the north. Deeply penetrating geophysical techniques, seismic reflection and resistivity soundings, have been used to determine the depth to the Que River Shale, 1200-1300m in the target area, and thus provide an estimate of 1600-1700m to the Hellyer ore-position.

4.3 Drill Hole design:

It is recommended that the Mayday TMI target be tested by a vertical diamond drill hole, DDH MAC-43, to be collared at approximately 14510N, 7610E, and drilled to a depth of 1800m to test the Hellyer ore position and footwall andesites. A prognostic section for MAC-43 is shown on Figure 7. This site has been chosen as it lies approximately mid-way between the two most anomalous TMI lines (14600, and 14400N), and lies roughly mid-way between the western limit of the anomaly on 14600N and the eastern limit on 14400N, in an easting sense.

Access to the drill site, which is located on private land (North Forest Products Surrey Hills Block), will require construction of a 1.8 km track starting on snig tracks south of

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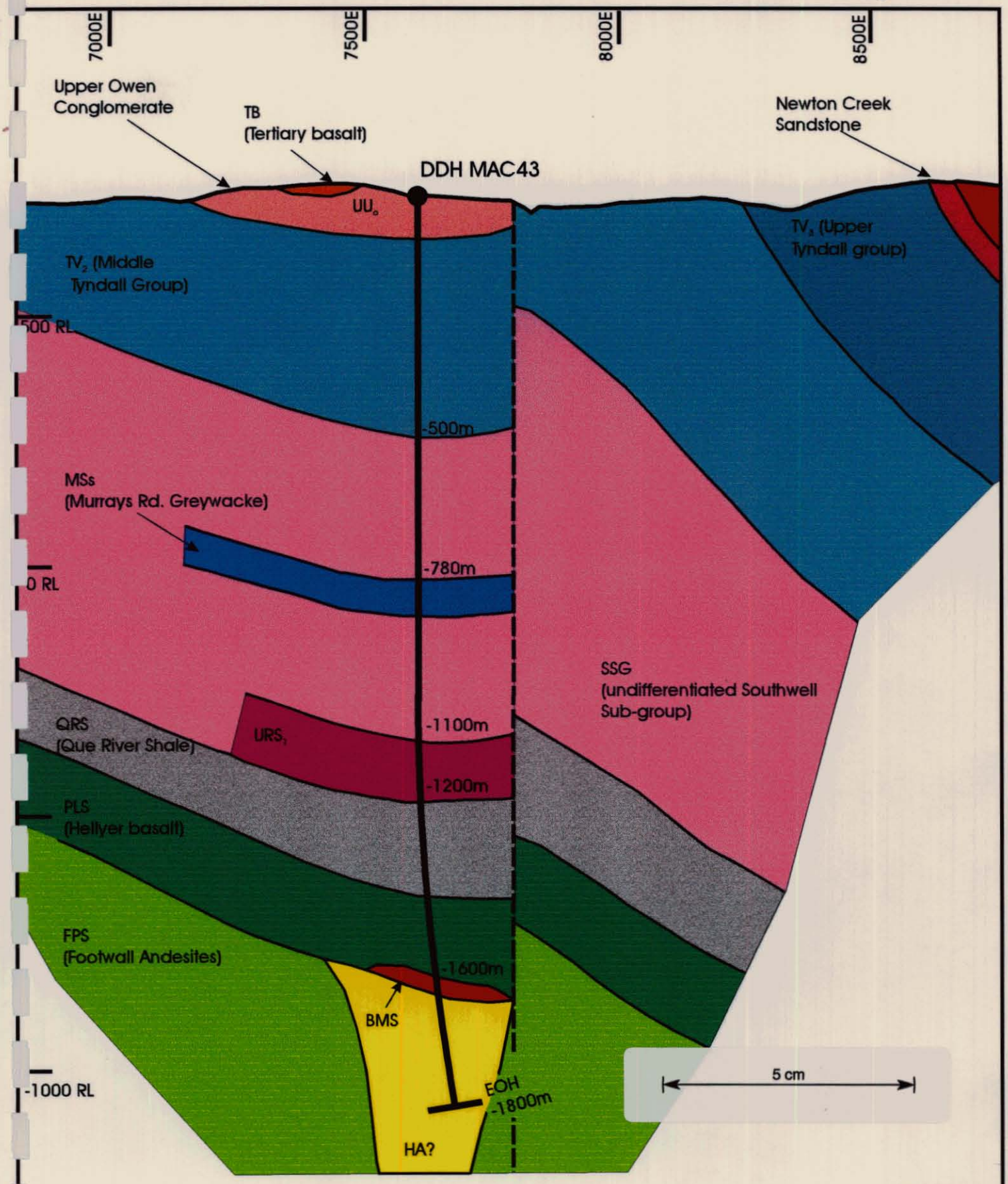


Figure 7

0 200m
Scale

Aberfoyle Resources Limited
EXPLORATION DIVISION

REVISIONS			
Init.	Date	Init.	Date

Location Code :

Prognostic Section
DDH MAC43
Section on 14500N

Scale : As shown

Date : February, 1997

Compiled : AMcN
Drawn :
Checked :
File Name : C_mac21.cdr
Plate No. :

Button Rd. A shorter, although steeper, route from the Cradle Mt. Link Road, was ruled out on environmental and security grounds by North Forest Products.

A vertical hole has been recommended for the following reasons;

- TMI dispersion interpreted to be vertical above an orebody, and as the depth to target is poorly constrained an angle hole may go either under or over the mineralised target.
- A vertical hole requires the minimum drilling metres to reach target.
- Vertical holes are less prone to deviation (a review of down hole deviation in holes from the Mackintosh area indicates that vertical holes deviate, in terms of dip, at approx. 0.3°/100m (range 0-2.6°/100m) whereas angle holes deviate at an average of 0.8°(HQ) - 1.8°(NQ)/100m.).
- The one disadvantage of a vertical hole is that good oriented structural data is impossible to obtain (at least until the hole lifts to approx. 85°).

It is planned to collar in HQ to approximately 400-450m and then in NQ as deep as is feasible. To ensure that the target zone is intersected it is planned to minimise lift, to <2°in the first 800-1200m, by if necessary, a combination of controlled drilling and wedging (covered by the budget). To ensure that the hole is not 'lost', DHEM will be completed progressively, in three phases, below 400m.

Given the length of the proposed hole and the relatively poorly known geology in the Mayday area it is proposed that decisions on whether to continue drilling will be made at appropriate points during the hole:

1. DHEM surveys will commence when the hole reaches 400m or when cased off from HQ-NQ (approximately 450m). These surveys will be used to refine the resistivity sounding estimate for the depth to the QRS. Should the depth estimates increase significantly the hole may be halted.
2. Intersection of the base of the Mt Cripps subgroup. Expected depth; 500-600m. If this stratigraphic horizon is not intersected by 900m the hole may be halted (in this case depth to Hellyer ore position would be expected to be 2000-2100m). The base of the Mt. Cripps subgroup may not be intersected if the Mayday fault has a dip of <75° to the west.

3. Intersection of the Murrays Road greywacke. This unit, in the upper part of the Southwell subgroup, is composed of distinctive greywacke of silt to grit grade and underlies a pumiceous mass flow unit. If not intersected by 1100m, then the Hellyer ore position would be interpreted to be at >1900-2000m.
4. Intersection of the basal volcanicalstic unit, URS_1, of the Southwell subgroup. These distinctive pumiceous mass flows overly the Que River Shale and are considered to be regional marker horizons by McPhie and Allen (1992). The URS_1 is overlain by laminated shale and greywacke, has a thickness of 80-210m near Hellyer, and is expected to be intersected at approximately 1200m. Allowing for an average thickness of 120m of URS_1, and 350m for the Que River Shale and Hellyer basalt, then the top of the URS_1 should be approximately 470m above the Hellyer ore position.

The expected positive outcomes of this proposed hole are the intersection of ore-grade stratiform Pb/Zn sulphides, of mineable thickness, or the intersection of strong footwall alteration below a potential ore-horizon with a clearly defined DHEM anomaly. If the width of any intersected mineralisation is not economic, then indications of thickening from DHEM would also constitute a success. Follow-up would consist of branching daughter holes (by wedging) to further test mineralisation and/or DHEM responses. Drilling of daughter holes would require careful planning, to minimise the risk of losing the hole, and more funding, to be covered by new work proposals.

Possible negative outcomes include failure to intersect the ore horizon (it is too deep, or is cut off by an unexpected structure), no evidence of mineralisation at the ore position or alteration below it, and/or the lack of a well defined DHEM response. A negative outcome would result in the sterilisation of this part of the Mackintosh tenement from further exploration.

5. EXPENDITURE:

The following expenditure was incurred on EL 106/87 Lake Mackintosh during the reporting period February 1996 to February 1997:

GEOLOGY	$55,340
SURVEY	$25,350
GEOPHYSICS	$53,730
GEOCHEMISTRY	$89,673
DIAMOND DRILLING	$3,199
ACCESS	$42,177
REHABILITATION	$200
OTHER SERVICES	$11,571
ADMINISTRATION	$39,646
TOTAL	**$320,886**

6. CONCLUSIONS:

The focus of this years work has been on the extrapolated Que-Hellyer corridor north of the Hellyer orebody. Minor work was also carried out at previously identified targets at Murrays Road and Maverick, which were tested and found to be unprospective.

A major program of partial leach soil geochemistry was completed on this corridor, with the highest ranked anomaly (Mayday) recommended for drill testing early next reporting year. This geochemical technique will continue to be used throughout the EL for target identification at various scales.

A reassessment of structural targets across the EL has resulted in minor changes to rankings of existing targets. Once the Mayday target has been tested, the next highest ranked targets will be recommended for drilling either late in this reporting year or next year.

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APPENDIX I

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ETHERIDGE HENLEY WILLIAMS

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ABERFOYLE RESOURCES LTD

Review of drill targets and update of structural model of the Mackintosh Basin, NW Tasmania

MARCH 1996

Compiled by:

Project consultant

Endorsed by:

Principal

The conclusions and recommendations expressed in this report represent the opinions of the authors based on the data available to them. The opinions and recommendations provided from this information are in response to a request from the client and no liability is accepted for commercial decisions or actions resulting from them.

Executive Summary

This report follows up some of the recommendations arising from Aberfoyle's recent technical and management meeting in Burnie, concerning the prioritisation of drilling in the Mackintosh Basin. The major objectives are:

- To provide detailed structural maps and cross-sections for the Mayday and Switchback target areas.
- To use recent drilling results, and the new data to update the structural framework of the Mackintosh basin.

The work program consisted of seven days in the field and in Aberfoyle's Burnie office, followed by report preparation in Perth and Brisbane.

Mapping and a review of existing data in the Mayday area considerably changed the interpretation of this region. The most important new feature is the interpretation of a major fault (Southwell River Fault), separating the Mt Cripps Subgroup from the Mt Charter Subgroup.

This fault is most likely an early basin-controlling structure, and has good potential to localise base metal mineralisation.

The Mayday fault, previously the focus of exploration targeting, has no evidence of early movement, and therefore loses some of it's prospectivity for base metal mineralisation.

Recent drilling below Switchback has shown that the rocks in this area are overturned, and we interpreted this area now as the overturned northern limb of a hangingwall anticline above a low angle thrust fault. As this is a late structure, the target loses some of it's prospectivity. If a second hole is to be drilled into this target, it should be drilled along the same section, but toward the opposite direction.

The review of the structural framework of the Mackintosh Basin resulted in minor refinements to the existing model:

- The Henty-Mt Cripps, Mt Charter and the newly recognised Southwell River Fault form the northern termination ofthe regional Henty fault system.

- The Mackintosh basin formed at a time when movement on the fault system was dextral strike-slip. The deepest part of the basin formed in the dilational jog caused by the sharp bend in the Henty-Mt Cripps fault.

- Small shifts in the stress regime first shifted the basins depocentre to the west, and then brought the whole region into a transpressional environment, resulting in the folding, and reverse movements on the major faults.

Table of Contents

Executive Summary ii

Table of Contents iv
List of Figures iv
List of Tables iv

1. Background and Brief 1
1.1 Background to project 1
1.2 The nature of the brief 1

2. Program Objectives and Work Program 1
2.1 Program objectives 1
2.2 Work program 1
2.3 Project team 1

3. Program Results 2
3.1 Mayday target area 2
3.1.1 Geology 2
3.1.2 Review of targets 7
3.1.3 Drill site proposal 9
3.1.3.1 Mayday 1 9
3.1.3.2 Maverick 11
3.2 Switchback target 13
3.2.1 Geology 13
3.2.2 Target review and drill site proposal 16
3.3 Update of Mackintosh basin model 16
3.3.1 Methodology 17
3.3.2 Changes to map and sections 17
3.3.3 Update of basin model 18

4. Conclusions and Recommendations 22
4.1 Target review 22
4.2 Basin review 23

5. References 23

6. Appendix - Tables of field data 24

List of Figures

Figure 1 Geological interpretation map of the Mayday area. A legend is shown on Figure 2. 3

Figure 2 Two geological cross-sections of the Mayday area shown in Figure 1. 4

Figure 3 Aeromagnetic image and overlayed interpretation of the Mayday region. 5

Figure 4 Map and cross-section of poposed drill hole at Mayday 1. 10

Figure 5 Map and cross-section showing proposed drill hole at Maverick. 12

Figure 6 Geological interpretation map of the Switchback area, showing location of MAC42. 14

Figure 7 Crossection of the Switchback area, showing location of MAC42 and the proposed hole. 15

Figure 8 Major syn-extensional fault structures in the Mackintosh basin. 19

Figure 9 Structural model for the Mackintosh basin. 20

List of Tables

Table 1 Impact of new mapping results on prospectivity of the Mayday area targets. 8

Table 2 Summary of field data collected in the Mayday area. 24

Table 3 Summary of field data collected in the Switchback area. 24

Table 4 Structural log of diamond drill hole MAC 42. 25

1. Background and Brief

1.1 Background to project

Aberfoyle recently held a technical and management meeting in Burnie, concerning the prioritisation of drilling in the Mackintosh Basin. The following report arose from the recommendations of that meeting.

1.2 The nature of the brief

Both the Switchback and Mayday areas are high priority targets for base metal mineralisation in the Mackintosh basin. Unexpected drilling results in the Cripps area highlighted the need for more detailed structural mapping prior to confirming future drill locations and specifications. Furthermore, for the development of future drill targets, recent drilling results in the Mackintosh area need to be intergrated into an updated structural model of the basin.

2. Program Objectives and Work Program

2.1 Program objectives

The main objectives of this project are to:

- Provide detailed structural maps and cross-sections for the Mayday and Switchback target areas.
- Use recent drilling results to update the structural framework of the Mackintosh Basin.

2.2 Work program

The work program consisted of seven days spent remapping the Mayday and Cripps target areas and reviewing new data at Aberfoyle's Burnie office. This was followed by report generation in Perth.

2.3 Project team

The field work and reporting was completed by Renate Sliwa. Aberfoyle's liaison in Burnie was Steve Richardson. The project was supervised by Peter Williams.

3. Program Results

3.1 Mayday target area

3.1.1 Geology

The Mayday target area is located approximately 4 km to the north-northeast of Hellyer Mine. The 1:10,000 geology interpretation shows a succession of volcanics and volcanic sediments (Mt Cripps Subgroup). These are cut by the northwest trending Mayday fault, and faulted to the southwest against the Southwell Subgroup by another northwest trending fault.

A re-evaluation of the existing 1:2,500 scale geological fact maps, 1.5 days of detailed examination of outcrops along the Cradle Mountain Link Road, and reinterpretation of the 1:25,000 scale aeromagnetic image considerably changed the interpretation of the Mayday area. The changes mainly concern the distribution of the Mt Cripps Subgroup volcanics, and the position of the faulted contact with the Southwell Subgroup (Figure 1, Figure 2). The main new features of the interpretation are:

- A NNW trending fault (in this report referred to as the Southwell River Fault) was interpreted within rocks previously mapped as Mt Cripps volcanics. The fault stands out on the aeromagnetic image by separating the highly magnetic Mt Cripps Subgroup from the magnetically low Mt Charter Group, and by the truncation of magnetic anomalies on the eastern side of the fault (Figure 3). A previously mapped brittle fault zone merges with the Southwell River Fault south of the Link Road (see Figure 2).

- The wedge of rocks between between the Southwell River Fault and the brittle fault to the west contains a succession of folded rhyolite, conglomerate and a quartz-porphry sill, all previously mapped as TV2. However, the very low magnetic response, the presence of chloritic patches in the rhyolite (common in the Southwell Subgroup), and the presence of quartz-porphyry (not recorded in the Mt Cripps Subgroup), suggest correlation with the Southwell Subgroup to the west.

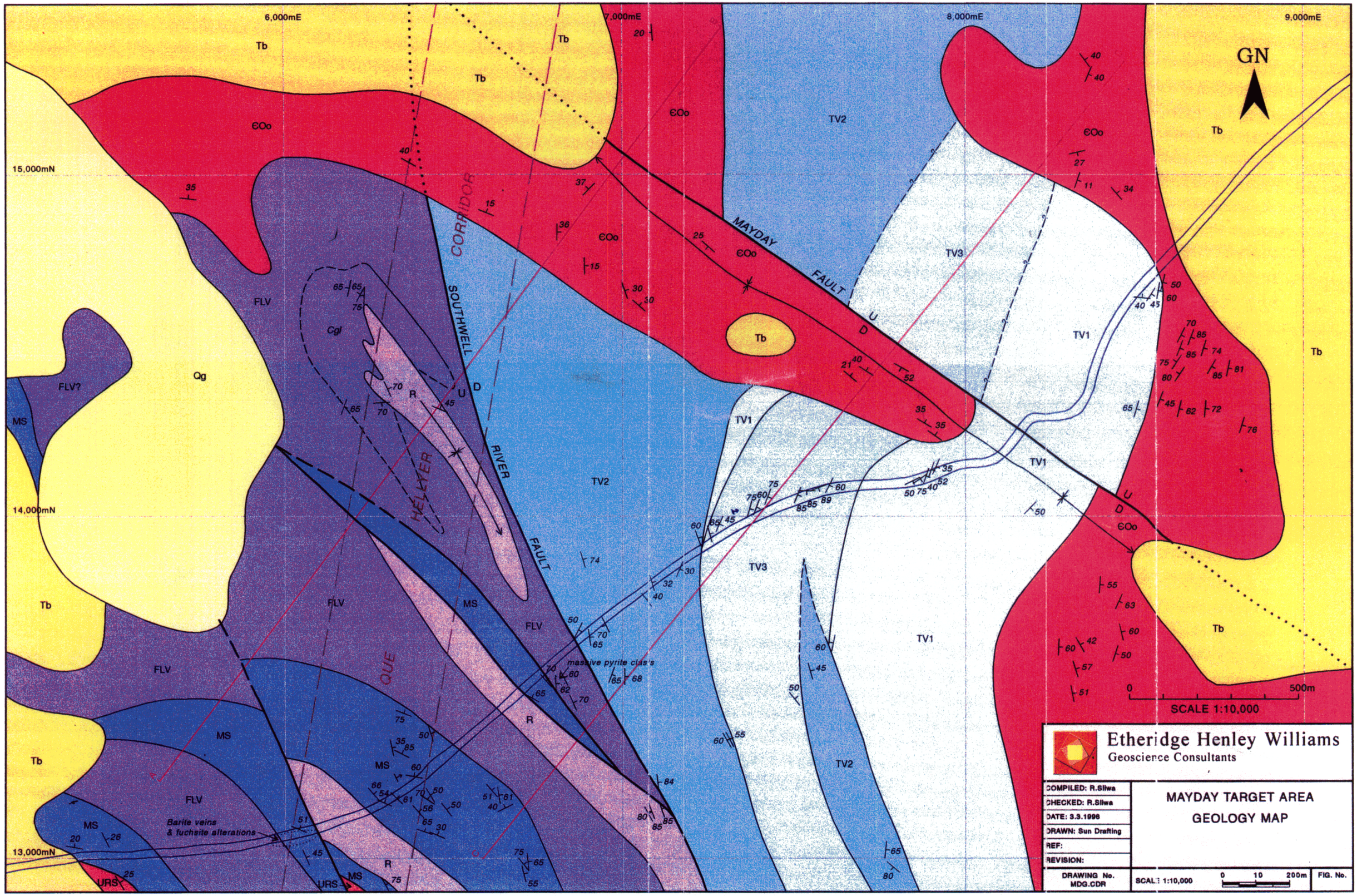
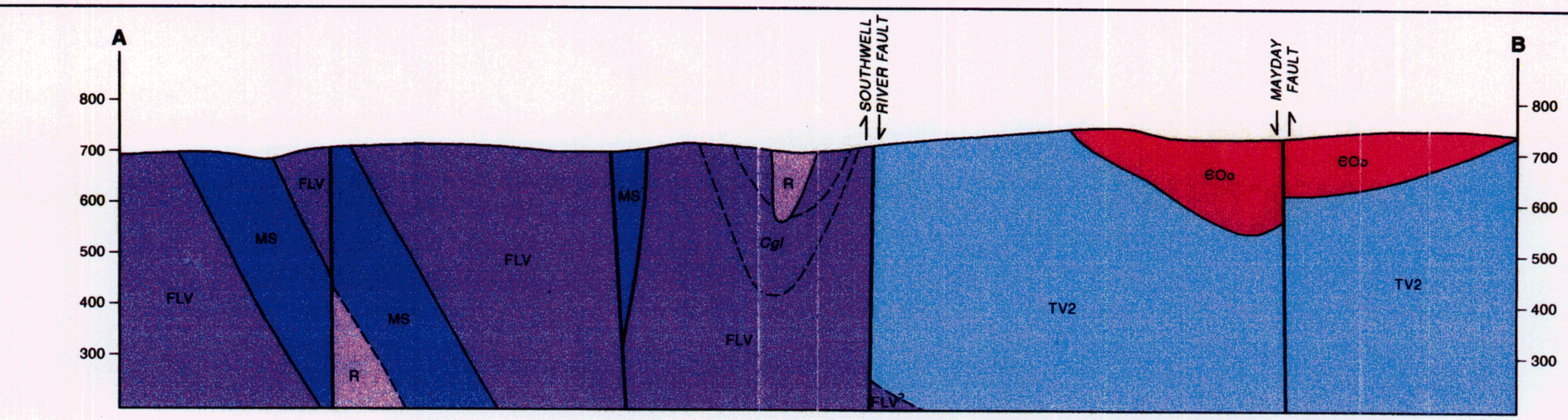
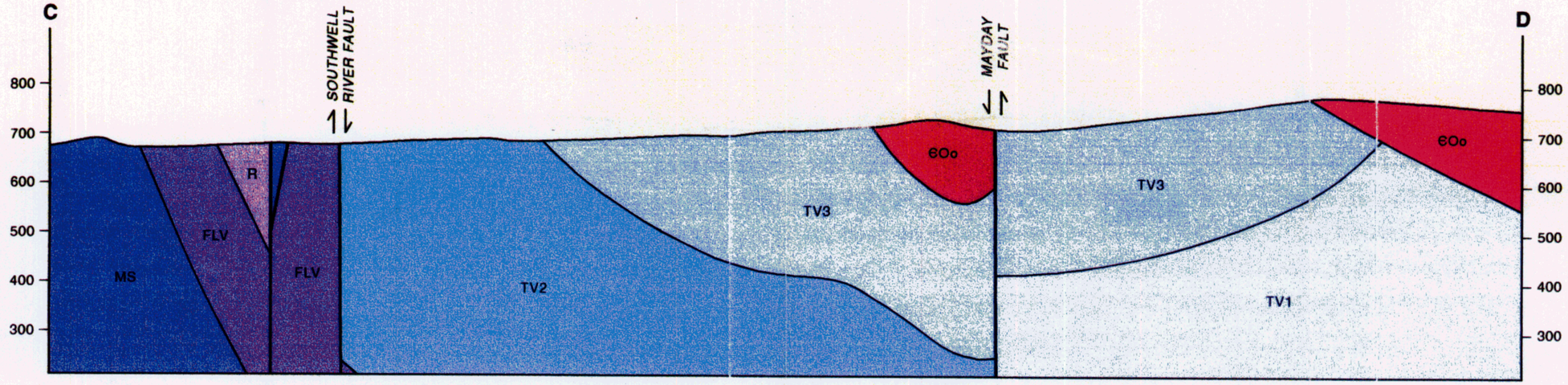


Figure 1. Geological interpretation map of the Mayday area. A legend is shown on Figure 2.

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LEGEND

QUATERNARY	Qg	glacial deposits
TERTIARY	Tb	basalt lava
EARLY ORDOVICIAN	EOo	Owen conglomerate
CAMBRIAN (Mt Cripps Subgroup)	TV1	red volcaniclastic conglomerate
	TV2	red ash - lapilli volcaniclastic, minor conglomerate
	TV3	interbedded sandstone, siltstone and siliciclastic conglomerate
CAMBRIAN (Southwell Subgroup)	MS	micaceous sandstone, shale, minor conglomerate
	FLV	felsic lapilli volcaniclastics, often eutaxitic
		cgl - conglomerate
	URS	quartz crystal-rich volcaniclastics, minor black shale
CAMBRIAN	R	quartz porphyritic rhyolite sills

accurate geological boundary
approximate geological boundary
inferred geological boundary
accurate fault
approximate fault
concealed fault
trace of synform
D U fault movement: down, up
25 strike and dip of bedding
stratigraphic younging

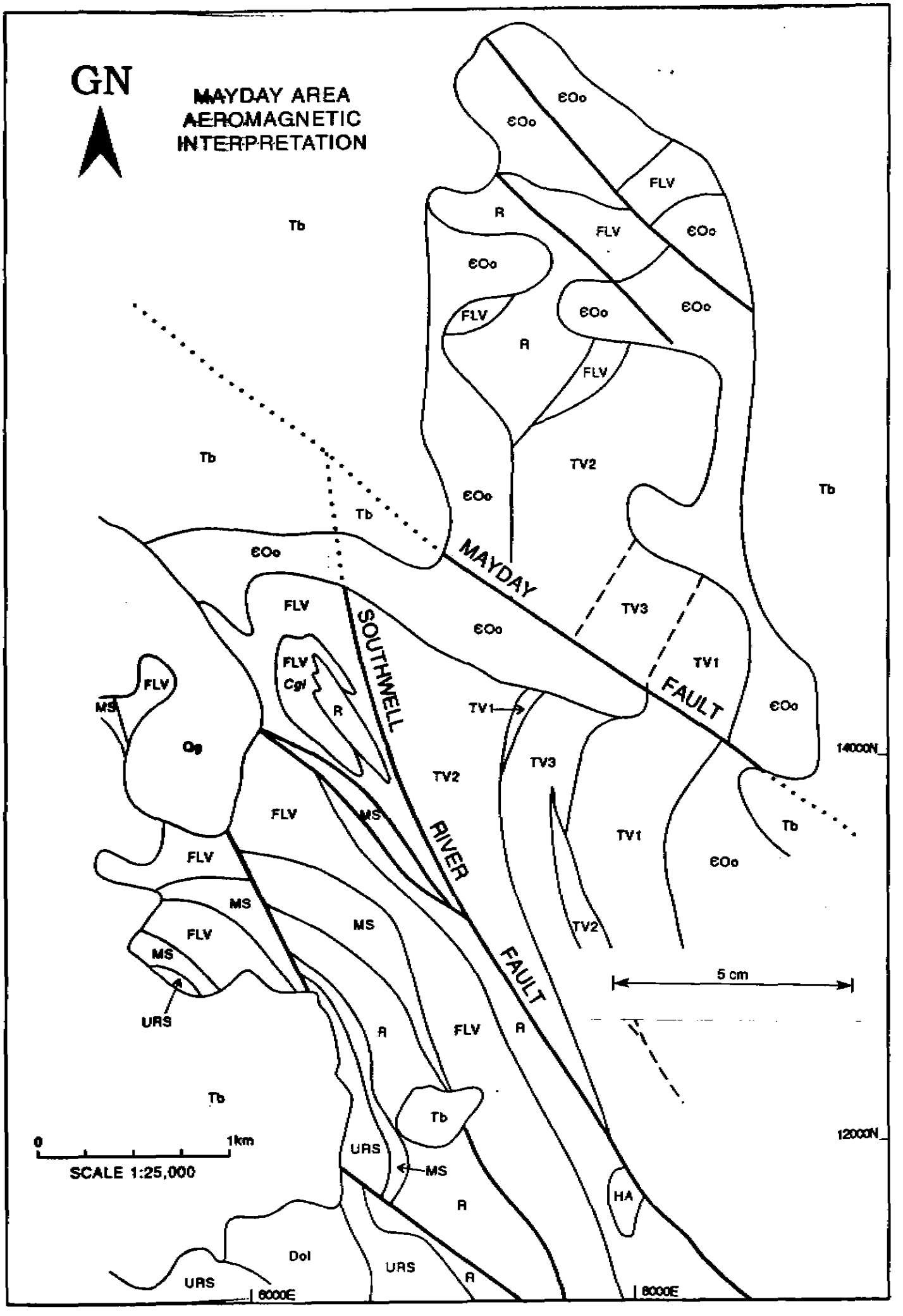
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Etheridge Henley Williams
Geoscience Consultants

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Figure 2. Two geological crossections of the Mayday area shown in Figure 1.


GN
MAYDAY AREA
AEROMAGNETIC
INTERPRETATION
Tb
εOo
FLV
R
MAYDAY
SOUTHWELL
RIVER
FAULT
TV1
TV2
TV3
Cgl
MS
Og
URS
Dol
HA
14000N
12000N
8000E
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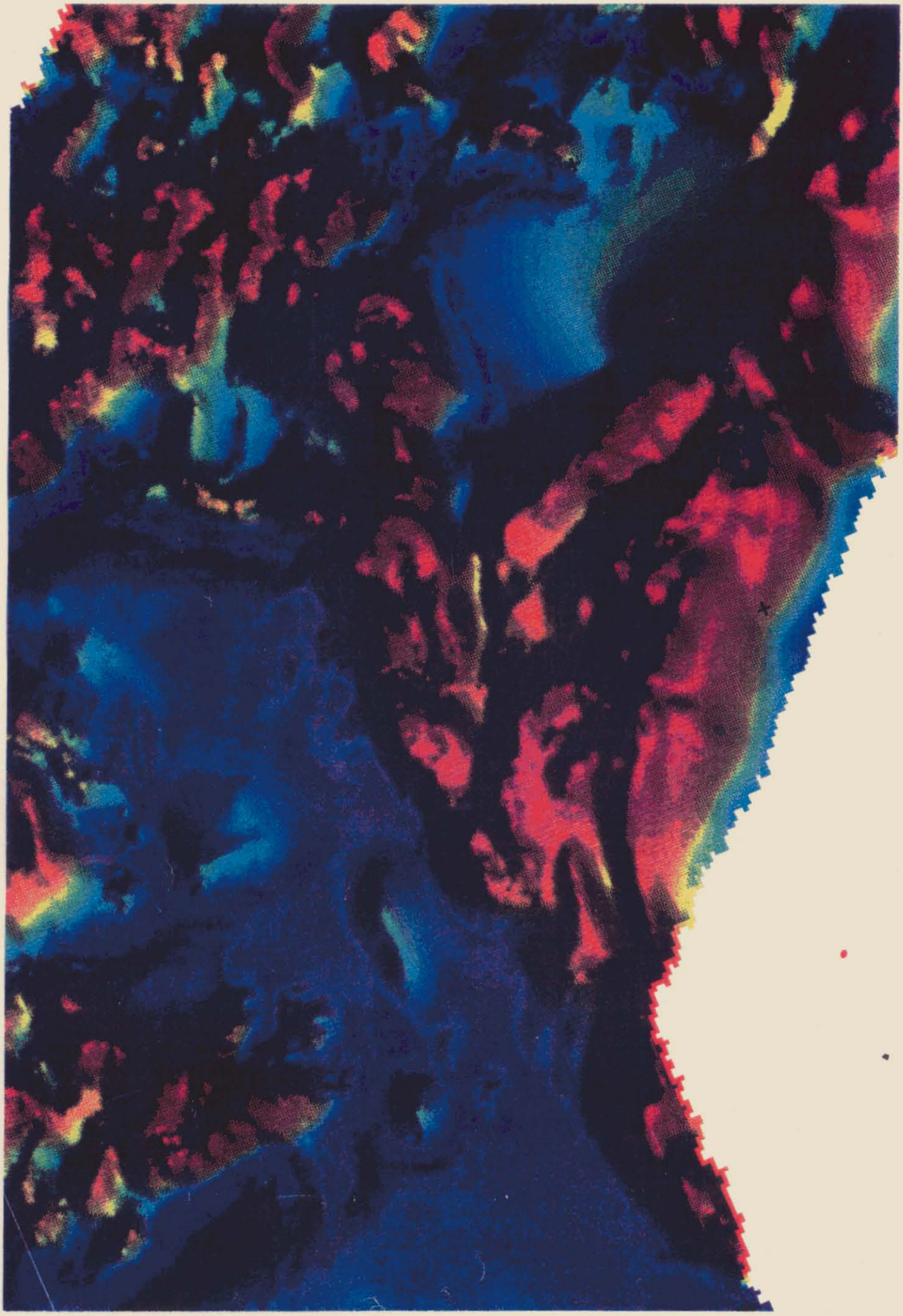


Figure 3. Aeromagnetic image and overlayed interpretation of the Mayday region.

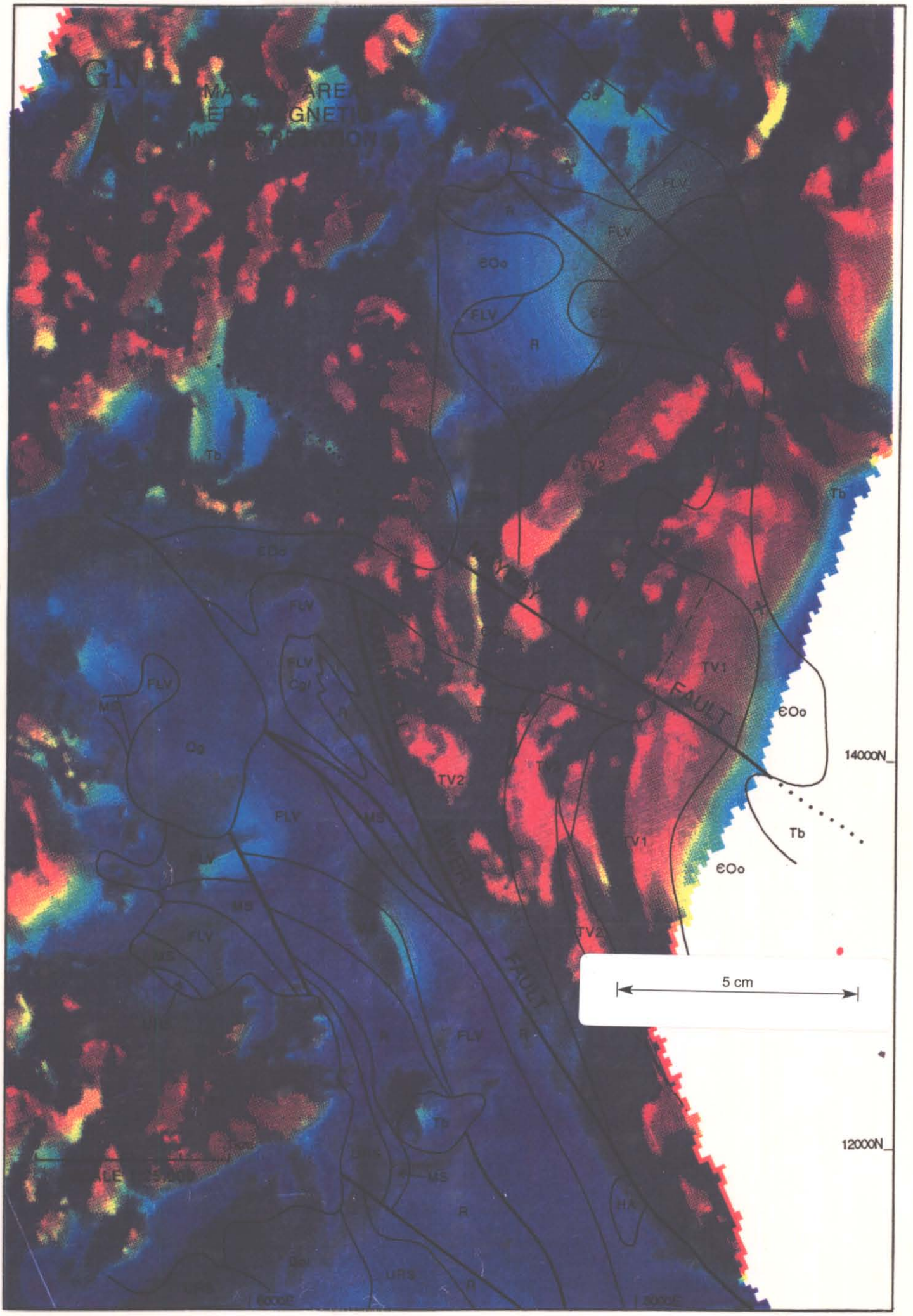


Figure 3. Aeromagnetic image and overlayed interpretation of the Mayday region.

- A thin unit of volcaniclastic sediments (previously defined as TV3) immediately to the east of the brittle fault contains abundant kink folds and brittle shear zones. It is fault-bounded against rhyolitic lavas to the east. We interpret this unit as a fault slice, and correlate it with micaceous sediments (MS) of the Southwell Subgroup to the west.

- The existing fact map shows abundant outcrops of crystal-volcaniclastic rhyolite to the north of the Mayday fault, similar to rocks of the TV2 unit to the south. Volcanic-rich conglomerates (TV1) are restricted to the easternmost part of the Mayday area (see Figure 1). The rhyolite unit directly overlies the Southwell Subgroup to the north.

- The Mayday fault shows a component of north-block-up movement, which postdates the deposition of the Owen Conglomerate, and is probably related to the adjacent syncline in the same unit. From the new interpretation, there is no direct evidence for earlier movements on the Mayday fault.

The most important new feature of the interpretation is the Southwell River Fault . This fault strongly contrasts with the abundant NE trending faults, such as the Mayday fault: it has a curved, more northerly trend (very similar to the Mt Charter fault); it juxtaposes the Mt Cripps Subgroup against the Southwell Subgroup along its entire length; the Mt Cripps Subgroup does not occur west of the fault; and further to the south it lies adjacent to an area of strong alteration (HA unit on Figure 3). These characteristics suggest that the Southwell River Fault may have an early, syn-depositional movement history. However, the truncation of magnetic units against the fault (discussed above) implies that there must also be a component of later movement on the fault.

Thus, the major conclusions with impact on the prospectivity of the area are:

Southwell River Fault most likely formed as an early, syndepositional structure, which localised at least one area of strong alteration. It has high potential for localising base metal mineralisation.

In contrast, the lack of evidence for early movement on the Mayday fault significantly decreases its prospectivity.

3.1.2 Review of targets

There are five drill targets in the Mayday area (Mayday 1-3, Maverick, and Maverick west; summarised in

Table 1), of which Mayday 1 and Maverick have the highest priority/prospectivity.

Mayday 1 is a high priority target, positioned within the lower Mt Cripps Subgroup, at the intersection of the inferred Que-Hellyer corridor and the supposed Mayday transfer fault. The position of the target was based on the several criteria, some of which no longer apply:

- The volcanogenic sandstones of the lower Mt Cripps Subgroup (TV3) are restricted to the southern side of the Mayday fault, suggesting that this fault is a syn-depositional transfer.

  ⇨ The TV3 unit is now correlated with the Southwell Subgroup to the west, and there is no evidence of early movement on the Mayday fault.

- Massive pyrite clasts and associated minor fuchsite occur at Murrays Road.

  ⇨ The rocks containing the massive pyrite clasts are now correlated with the Southwell group.

- The lower Mt Cripps Subgroup is a possible correlative of the Henty gold host rocks.

  Magnetic interpretation suggest that the Que-Hellyer corridor intersects the Mayday fault in the target area.

  The Mayday fault, when extrapolated to the east controls the Black Peak Beds (Lower Mt Reads Volcanics), Anomaly 13 and Anio gold mineralisation.

  ⇨ These criteria are still valid, and the Mayday area remains a gold mineralisation target worth exploring, although with a considerably lower prospectivity/priority.

In summary:

The Mayday fault has lost most of its prospectivity for base metal mineralisation controlled by a Cambrian transfer fault, but still has potential to host gold mineralisation. We suggest therefore to drill into the lower part of the Mt Cripps Subgroup, where it intersects both the Mayday fault and the Que-Hellyer corridor.

Table 1 Impact of new mapping results on prospectivity of the Mayday area targets.

Target	rating	Criteria	New results	Impact on prospectivity and recommendations
Mayday 1	0.31	Mayday fault a transfer. Based on absence of Lower Mt Cripps group north of fault.	No evidence for pre-Owen conglomeratemovement on Mayday fault.	Decrease in prospectivity. **Drill target as suggested, but with a lower priority**
		Presence of pyrite clasts in target rocks.	Pyrite-clast bearing rocks are correlated with Southwell Subgroup.	
		Lower Mt Cripps a correlative of Henty gold host rocks.	✓	
		Intersects Que-Hellyer corridor.	✓	
		Extrapolation of Mayday fault controls Black Peak Beds, and intersects Au-mineralisation.	✓	
Mayday 2	0.24	Mayday fault a transfer. Based on absence of Lower Mt Cripps group north of fault.	No evidence for pre-Owen movement on Mayday fault.	Decrease in prospectivity. (No change)
		Presence of pyrite clasts in target rocks.	Pyrite-clast bearing rocks are correlated with Southwell Subgroup.	
		Lower Mt Cripps a correlative of Henty gold host rocks.	✓	
		Extrapolation of Mayday fault controls Black Peak Beds, and intersects Au-mineralisation.	✓	
		Intersection of NNE linear and Mayday fault.	✓	
Maverick		Test URS along strike from Hellyer.	✓	Significant increase in prospectivity.
		Fuchsite alteration and barite veining.	✓	**Give target higher priority.**
		Along Que-Hellyer corridor.	✓	**Drill target as outlined in this report**
		-	Southwell River Fault is possibly an early tansfer.	
		-	Massive pyrite clasts in Southwell Group above URS.	
Mayday 3		Depends on outcome of EM survey.	✓	No change.
Maverick West		Intersection of magnetic linear and Hellyer Megastructure.	✓	No change.

Maverick is a medium priority target proposed to test Upper Rhyolite Sequence (URS/MS/FLV) volcanics north of Hellyer, along the Que Hellyer corridor in an area of strong fuchsite alteration and minor barite veining.

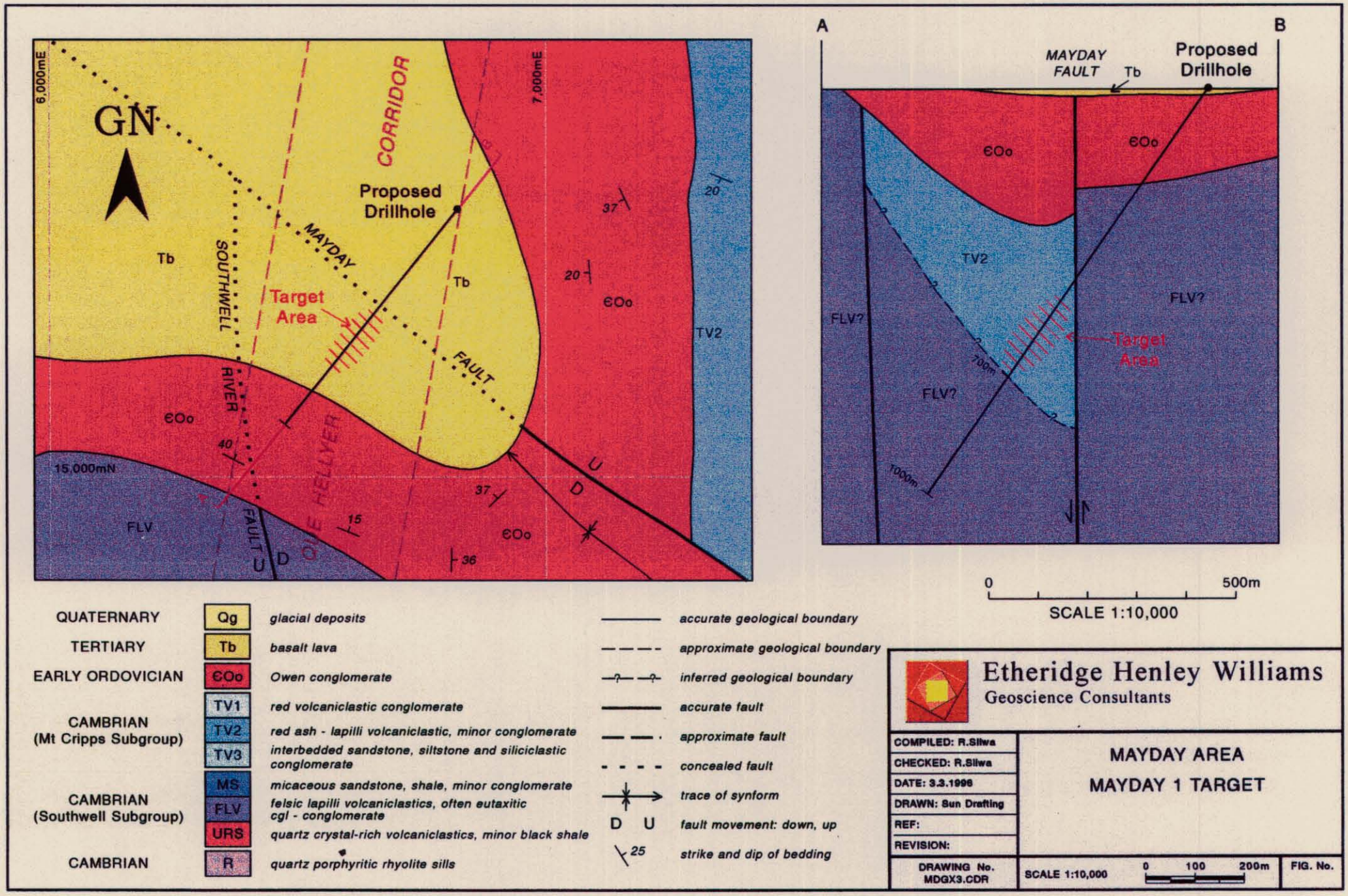
This target has now been significantly enhanced by the interpretation of the Southwell River Fault as an early syn-depositional structure, which brings it into a similar structural position to the Hellyer and Que deposits (*i.e.* within the Que-Hellyer corridor, and close to an early fault).

3.1.3 Drill site proposal

3.1.3.1 Mayday 1

The Mayday 1 drill hole is planned to intersect the lower part of the Mt Cripps Subgroup, where it intersects both the Mayday fault and the Que-Hellyer corridor. This location is positioned below a cover of Tertiary volcanics and Owen Conglomerate (Figure 4). The main stages of the proposed drill hole are:

- 200-250 m of Tertiary and Late Cambrian cover rocks. This is unavoidable, as all the area near the Mayday fault/Que Hellyer intersection is below the synform within the Owen conglomerate.
- The Mayday fault should be intersected at ~450 m.
- The target area lies within the lower TV2 unit immediately below the fault.
- The sedimentary contact with the underlying Southwell Subgroup may be intersected as early as 700 m, in which case the criteria for the target are met, and the hole should be terminated. Else the drill hole could be continued to 1000 m.



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Figure 4. Map and crossection showing proposed drill hole at Mayday 1.

3.1.3.2 Maverick

In the southwestern Mayday area, barite veining and fuchsite alteration occur within micaceous sediment units (MS). We propose to test this part of the stratigraphy close to the Southwell River Fault , where it intersects the Que-Hellyer corridor (Figure 5). The position of the drill hole takes into account several possible outcomes of the interpretation of the geology at depth. The major geological stages of the planned drill hole are:

- The first ~500m of the hole will transect the lower part of the Mt Cripps Subgroup. This part of the sequence has previously been correlated with Henty gold bearing rocks, and considering its proximity to a possible early fault structure forms a moderately important target on their own.

  The thickness of the lower Mt Cripps Subgroup (TV2) is not well constrained, so there is a possibility of intersecting the sedimentary contact with the underlying Southwell Subgroup (FLV).

- The drill hole is aimed at intersecting the Southwell River Fault from the east at a depth of about 500m. The core will provide the first opportunity to study this fault in detail, and reliable core orientation readings should be attempted close to the intersection.

- The lower half of the hole is planned to intersect the MS unit of the Southwell Subgroup. The estimation of the depth of the FLV/MS contact is based on an average thickness of ~300m for the FLV unit regionally. This estimation, however, might be low as the units is bounded be intrusive sills for most of its strike length.

  The presence of the synform in the cross-section is inferred from poorly constrained outcrop patterns and variable bedding orientations. Bedding and younging orientations in rocks just below the Southwell River Fault should test its presence or absence. If the fold is present, then the hole will follow the MS unit downdip into the centre of the fold. If the fold is not present, the hole should transect the lower part of the FLV units and its contact with the MS unit.

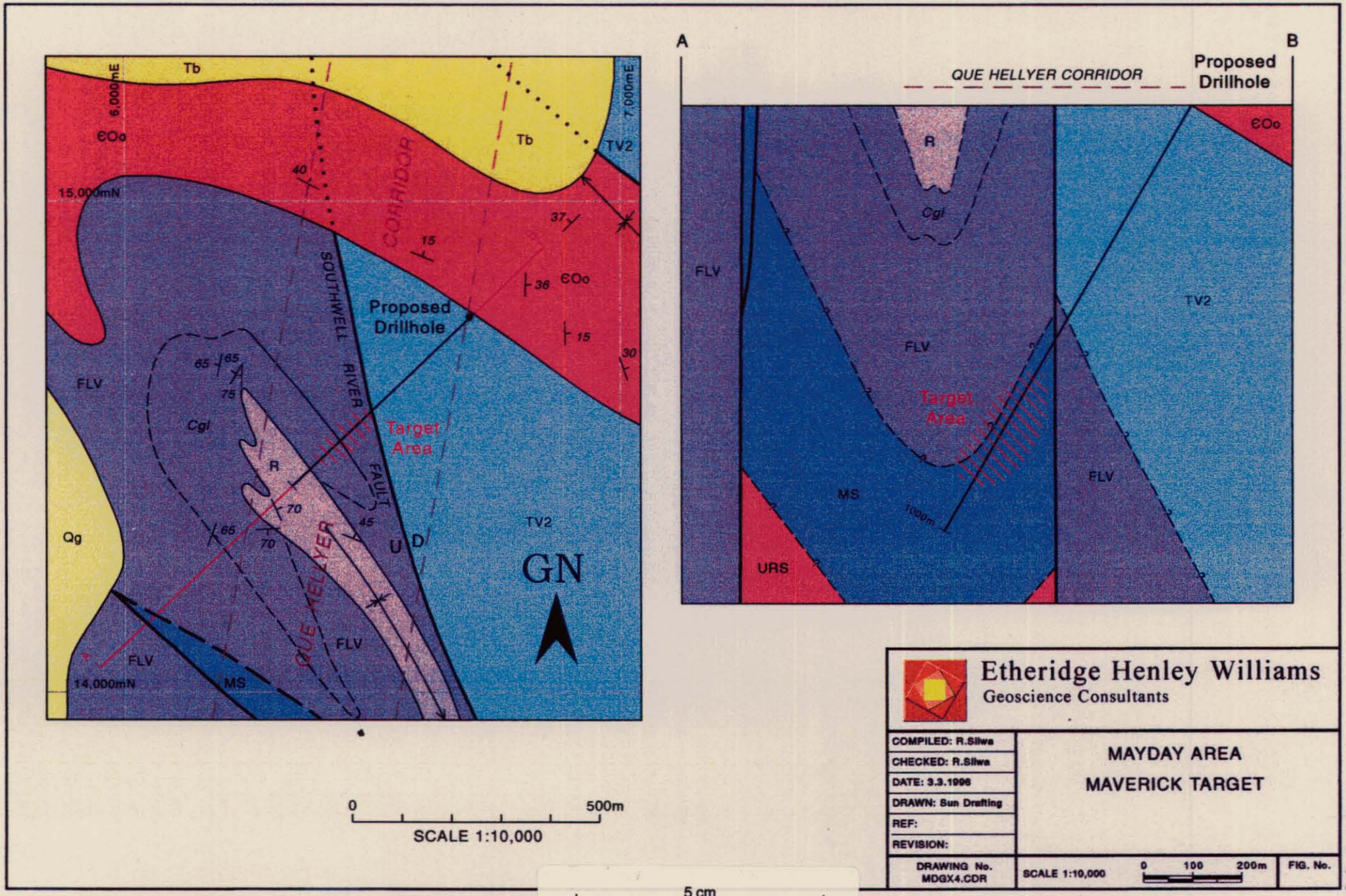


Figure 5. Map and crossection showing proposed drill hole at Maverick.

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3.2 Switchback target

3.2.1 Geology

The Switchback target area is located 1.5 km southeast of Hellyer, between the portal and the haul road switchback. A 900 m drill hole (MAC42) was designed to intersect a thick section of mixed sequence in the core of a small north-plunging anticline shown on the 1:10,000 interpretation map. The drill hole intersected steeply south-dipping rocks of the URS unit, and was abandoned after 480 m of drilling down-dip. Younging directions show that the northern limb of the anticline is overturned.

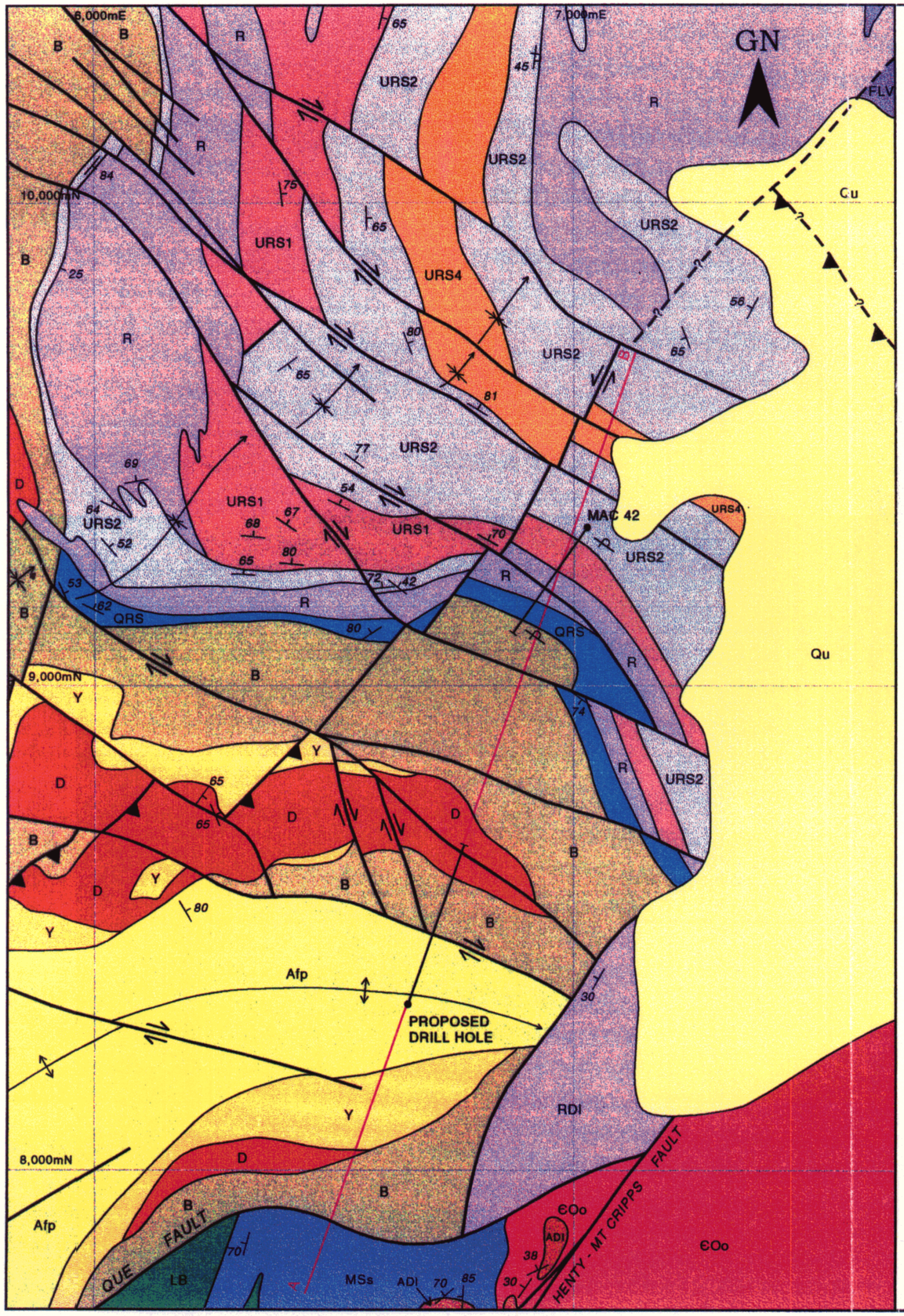
This section of the report presents the results of reviewing the 1:2,500 fact maps, the 1:25,000 scale aeromagnetic image, 2 days of field checking and structural core logging. Strong weathering of existing outcrops prevented the collection of new, detailed, structural data in the Switchback target area. The aeromagnetic image is featureless in this region, so the amendments to the geological interpretation are based mainly on geometric contraints given by the MAC42 drill hole.

The geology of the Switchback area is dominated by several northeast trending upright folds, which plunge gently to the northeast (Figure 6). The structure is complicated by interference from an antiform in the southern part of the area which curves from the regional northeasterly trend to an east-west orientation.

The Switchback target lies within an apparent antiform of the northeasterly fold set. However, MAC42 showed that the rocks are overturned, and they are now re-interpreted as the overturned northern limb of the east-west trending fold. One consequence of this geometry is, that it puts northerly dipping rocks in the west against southerly dipping rocks in the east (Figure 6). This change in orientation is most likely taken up by a strike-slip fault between the two domains. Figure 6 shows such a strike-slip fault interpreted as the extension of a previously interpreted fault further to the southwest.

This fault has an inferred south-block-down normal movement in the southern part of the map, which must change to a minor strike slip movement further to the north, where the main fold axis curves around to the east. The fault has a very similar strike to the Que fault, and may be of similar age.

There is no evidence for any younging reversals between the overturned rocks in the target area and northerly dipping strata to the north. This suggests that the intervening syncline has been cut out by a low angle thrust fault as shown on Figure 7.



LEGEND

QUATERNARY	Qu	*undifferentiated Quaternary sediments*
EARLY ORDOVICIAN	€Oo	*Owen conglomerate*
	FLV	*felsic lapilli volcaniclastics, often eutaxitic*
CAMBRIAN Southwell Subgroup	URS1	*quartz crystal-rich volcaniclastics with black shale matrise*
	URS2	*grey laminated siltstone and lithicwacke*
	URS3	*black shale lenses*
	URS4	*quartz crystal-rich volcaniclastics without black shale*
Que River Shale	QRS	*black carbonaceous quartz / mica shale*
Que - Hellyer Volcanics	B	*upper basalt*
	D	*dacite lava*
	Y	*polymictic lapilli to breccia volcaniclastics*
	Afp	*andesite feldspar phyric*
	LB	*lower basalt*
Animal Creek Greywacke	MSs	*massive quartz / mica sandstone, shale*
	R	*quartz porphyritic rhyolite sills*
	ADI	*andesite - dacite intrusives*

- *accurate geological boundary*
- *approximate geological boundary*
- *inferred geological boundary*
- *accurate fault*
- *approximate fault*
- *concealed fault*
- *trace of synform, antiform*
- *thrust fault*
- *strike and dip of bedding, overturned*

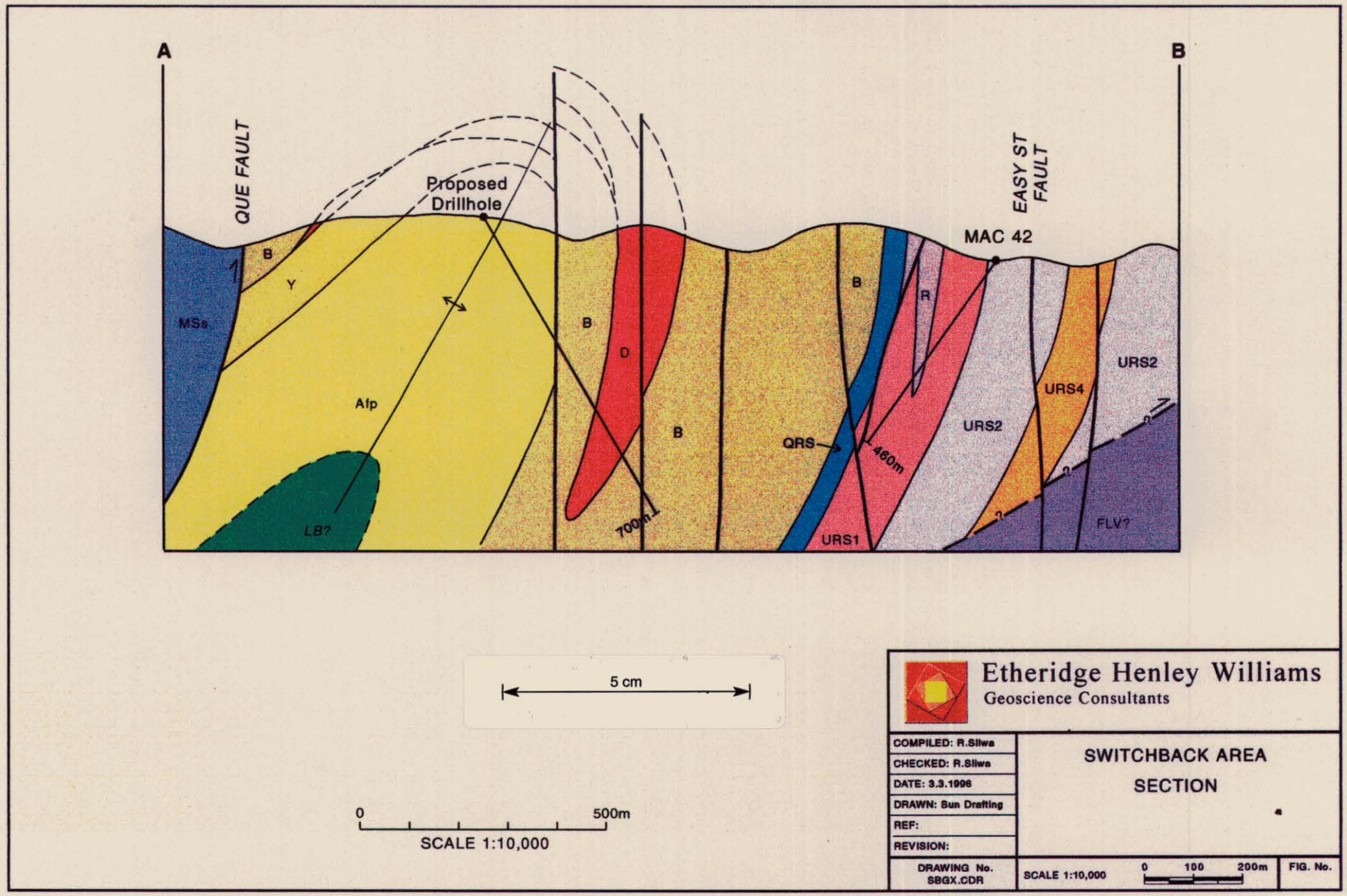
5 cm

0 500m
SCALE 1:10,000

Etheridge Henley Williams
Geoscience Consultants

COMPILED: R.Silwa	SWITCHBACK AREA GEOLOGY MAP
CHECKED: R.Silwa	
DATE: 3.3.1998	
DRAWN: Sun Drafting	
REF:	
REVISION:	
DRAWING No. SBG.CDR	SCALE 1:10,000 0 100 200m FIG. No.

Figure 6. Geological interpretation map of the Switchback area, showing location of MAC42 and the proposed drill hole.



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Figure 7. Crossection of the Switchback area, showing location of MAC42 and the proposed hole.

We interpret the east-west trending fold as an overturned hangingwall antiform above a low angle thrust fault. The complex geometry of the area is attributed to the interplay of the Henty, Que and Mt Cripps fault systems.

3.2.2 Target review and drill site proposal

The Switchback target is a high priority target (rating 0.68), defined by the presence of a "small anticlinal structure, which may be localised by VHMS-related mineralisation". Thus the aim of MAC42 was to intersect the Mixed Sequence of volcanics at depth, within the core of this anticline. The hole was drilled toward the southwest, intersecting rocks dipping to the south. The new interpretation of the geometry of the area is shown in Figure 6 and Figure 7, and was discussed above.

One implication of this new interpretation is that the "antiform" on which the target was based, is now positioned on the overturned northern limb of an east-west trending structure to the south, and may have lost some of it's importance as a potential target. If an alternative hole is to be drilled into the Mixed Sequence at depth into the overturned limb, this hole should be drilled along the same strike as MAC42, but toward the northeast. Figure 6 shows the position of such a proposed hole.

The proposed hole is targeted to intersect the mixed sequence at a depth of about 500m. This is a minimum estimate, because the dip of the rocks is not well known, and may be steeper than where intersected by MAC42. If this is the case, then the targeted rocks may be intersected as deep as 700-800m.

Note also, that the new drill site is very close to one of the existing tracks below Switchback and should not pose major access problems.

3.3 Update of Mackintosh basin model

Since the development of a structural model for the Mackintosh basin (Windh and Ethereidge, 1992) new data have been collected, and a series of 1:10,000 scale geological interpretation maps and cross-sections for the basin were developed by Aberfoyle. The present report reviews these maps and sections, and updates the structural basin model.

3.3.1 Methodology

The main tasks completed during the review are:

- Integration of the newly interpreted Mayday and Switchback areas into the maps and sections.
- Addition of drill-hole data aquired since the production of the maps and sections. Note that all the new holes (MAC38 to MAC42) were used to update the sections, but only MAC38 and MAC40 were drilled in locations or orientations suitable to show their hole traces on the sections.
- As the series of cross-sections is more recent than the maps, structures interpreted on the section were carefully checked, and transferred to the map where neccessary.

Note. The changes and corrections to the maps and sections were marked directly on the set of copies made available to EHW. They should now be integrated directly into Aberfoyle's existing digital database.

3.3.2 Changes to map and sections

Apart from the re-interpretation of the Mayday and Switchback areas, which are discussed above, several changes were made to the maps and sections:

- **Mt Charter Fault.** The Mt Charter Fault is shown on the cross-sections as far north as 9100N, while on the map it disappears under glacial cover at 6700N. Traced onto the map, the fault shows a sharp swing from a northwesterly to a north-south trend. This north-south section cuts obliquely across the strike of bedding, lies completely within rocks of the Southwell Subgroup, and is shown on the sections with a reverse movement (*e.g.* 8200N).

We therefore interpret this "section" of the Mt Charter Fault as a completely separate, basin-internal, fault with a small amount of reverse movement.

The Mt Charter fault itself probably continues under cover in a constant, northwesterly direction, and marks the westernmost extent of the Southwell Subgroup, and the Mackintosh Basin.

- **Highpoint structure.** The Highpoint structure is a fault identified on the sections south of 8200N. When traced onto the map the fault shows a sharp bend from a north-south trend to a northeasterly trend at 7300N. The sections show the north-south trending section dipping to the east and the northeast trending section dipping to the west.

  We therefore interpret the north-south and northeast trending sections of the Highpoint structure as two unrelated faults.

- **Murchison Highway/Barite Creek structure.** The Murchison Highway structure is an northeast-dipping, normal fault, which trends into the Barite Creek structure toward the south. The two structures are therefore interpreted as a single fault.

- A folded fault, marked as Barite Creek structure on section 5200N, is unrelated to the Barite Creek fault to the south. This unusual structure has been removed from the sections, as it is not neccessary to explain the map pattern, and is not based on drill hole evidence.

3.3.3 Update of basin model

The existing structural framework of the Mackintosh basin, developed by Windh and Etheridge (1992), was based on the recognition of a sytem ofinteracting, syn-extensional structures, in particular:

- Sub-vertical NE trending extensional veins and dykes, suggesting a NW-SE extension direction.

- NNE-trending faults associated with abrupt thickness changes of volcanic units, suggesting extensional, normal, movement (Que-Hellyer and Amoebe structures).

- WNW-trending faults with associated facies, but no significant thickness changes, supporting their interpretation as transfer faults.

- Faults with intermediate orientation between the normal and transfer faults show some thickening of units (*e.g.* Mt Charter fault). These faults are interpreted as sidewall faults to the basin with a moderate normal displacement component. Their orientation may be controlled by pre-existing, underlying, basement structures.

The Mackintosh basin is positioned at the northern termination of a major regional fault system, the Henty Fault. It is marked by rapid subsidence, and fast, localised deposition of dominantly immature volcanic rocks.

The proposed model indicates, that the basin opened within a dilational jog of the major dextral Henty-Mt Charter fault system. Closure of the basin was later caused by a small easterly rotation of the regional stress field, resulting in an overall transpressional environment, with reverse movements on most of the early faults.

Since the development of this model, further mapping by the Tasmanian geological survey, Aberfoyle's detailed aeromagnetic data, drilling results and detailed interpretative maps and sections have become available. These new data and results from this study have refined some aspects of the structural framework of the basin (Figure 8):

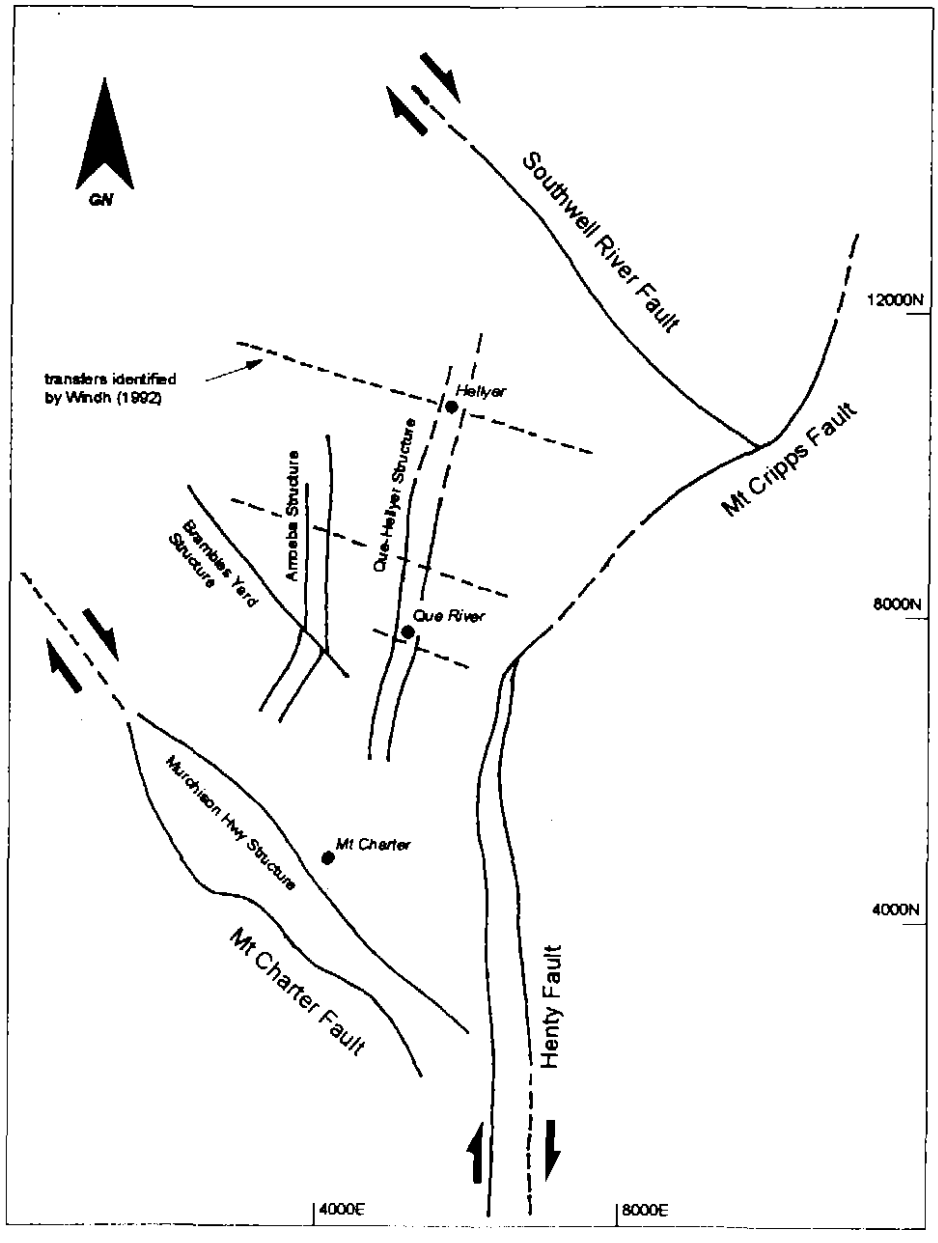


Figure 8. Major syn-extensional fault structures in the Mackintosh basin.

- The Henty fault does not continue in the same direction north of 8000N, but has a sharp right-hand bend and continues as the Mt Cripps fault.
- The lower Que-Hellyer volcanics (Lower basalt to mixed sequence) thicken toward the east, while overlying units (Upper Que-Hellyer volcanics to Southwell Subgroup) thicken toward the west.
- Thick rhyolitic sills are confined to a triangular region bounded by the Mt Cripps and Southwell River Fault s, east of ~7000E
- The Southwell River Fault is recognised as a major early fault, separating the Southwell and Mt Cripps subgroups. It has a similar strike to the Mt Charter fault.

The structural model for the Mackintosh basin presented here (Figure 9) is a refinement of the earlier model, which integrates the new observations. The main features of the model are:

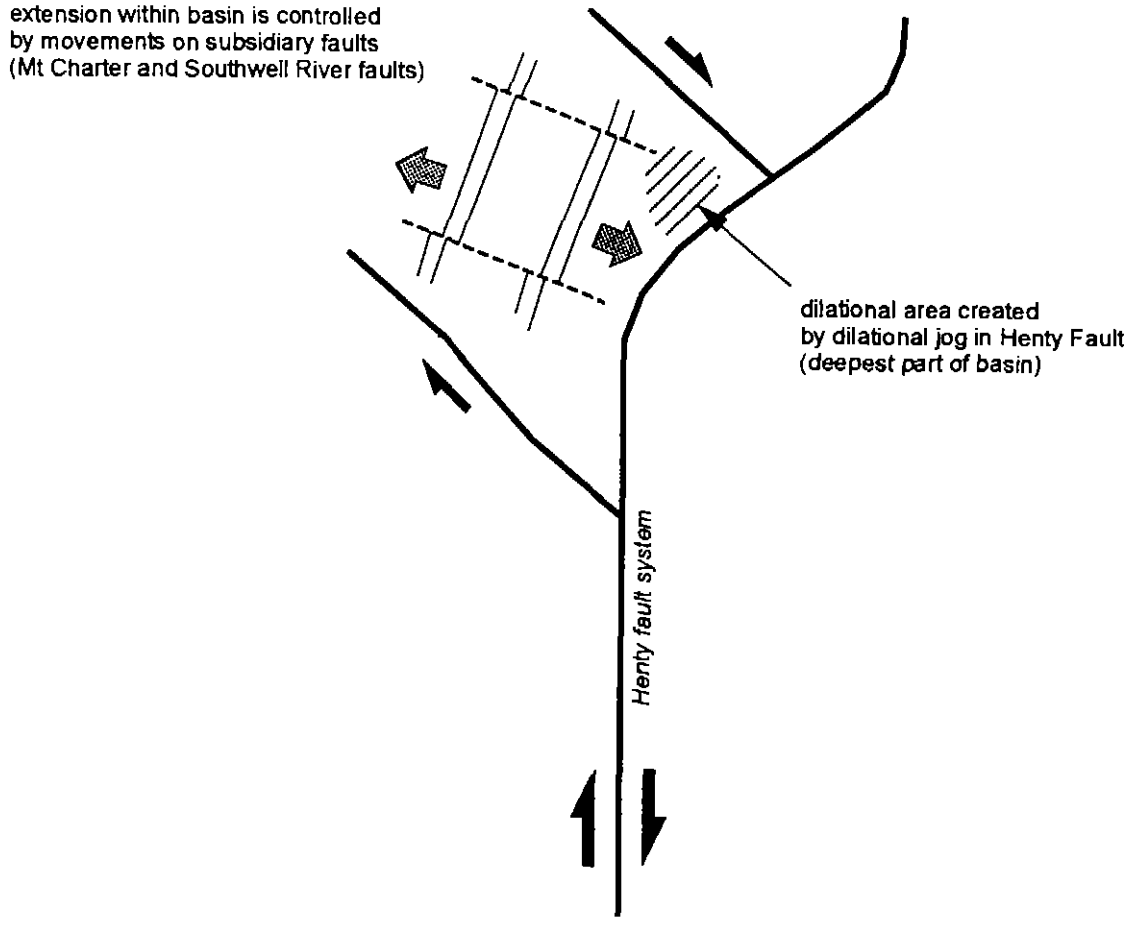


Figure 9. Structural model for the Mackintosh basin.

- The Henty-Mt Cripps, Mt Charter and Southwell River Faults are major basement structures, controlling the overall geometry of the region. The latter two foults represent the "horsetail" splays commonly found at the termination of major regional strike-slip fault systems.

- The overall movement on this fault system is dextral strike slip.

- The right hand bend of the Henty fault into the Mt Cripps Fault causes a dilational jog, with maximum extension just to the north of the bend. The thickest pile of Que-Hellyer volcanics occurs in this area, supporting this model.

- Note also that this area localises thick rhyolitic sills, suggesting that a similar dilational stress regime existed throughout the deposition of the basin fill.

- The major normal and transfer fault systems withinin the basin, are in an orientation consistent with extension related to dextral movement on the Mt Charter and Southwell River Faults.

- Small shifts in the overall stress regime after the deposition of the mixed sequence may have shifted the position of the depocentre from the eastern part of the basin to the west. The exact geometry of this shift was not resolved in this study.

- A further shift of the stress regime to the east, brings the Henty Fault and its splays into a tanspressional environment, leading to the inversion of the basin discussed in detail by Windh and Etheridge (1992)

Strong alteration and mineralisation is localised along the major normal faults, and is concentrated where they intersect basin internal transfer faults or basin-bounding structures such as the Mt Charter fault.

This supports the importance of the Southwell River Fault as a potential conduit for mineralising fluids.

4. Conclusions and Recommendations

4.1 Target review

- A previously unrecognised fault, the Southwell River Fault , is interpreted in the Mayday area, and probably represents an early syndepositional fault. This fault has localised at least one area of strong alteration, and has a high potential to control base metal mineralisation.

Maverick target. We recommend that the proposed Maverick hole tests the, altered, micaceous sediments (MS unit) close to the Southwell River Fault , where it intersects the Que-Hellyer corridor.

- Lack of evidence for early movement on the Mayday fault decreases its prospectivity for base metal mineralisation, but still has potential to localise gold mineralisation.

Mayday 1 target. We recommend that the proposed Mayday 1 hole tests the lower part of the Mt Cripps Subgroup, where it intersects both, the Mayday fault and the Que-Hellyer corridor.

- The Switchback target area is positioned on the overturned northern limb of a regional northeast to east-west trending anticline.

- This anticline is interpreted as the hangingwall anticline above a low angle thrust fault. A steep fault mapped to the southwest of the Switchback area was extended to the northeast, and acts as a transfer between the overturned rocks and the upright rocks to the northwest.

- The complex geometry of the area is attributed to the interplay of the Henty, Que and Mt Cripps fault systems.

Switchback target. The "antiform" on which the target was originally based, has lost some it's prospectivity. If a second hole is to be drilled into the Mixed Sequence at depth, into the overturned limb, it should be drilled along the same strike as MAC42, but toward the northeast.

4.2 Basin review

- The north-south trending "section" of the Mt Charter Fault is a separate, basin-internal, fault with a small amount of reverse movement. The Mt Charter itself fault probably continues to the northwest, and marks the westernmost extent of the Mackintosh Basin.

- The north-south and northeast trending sections of the Highpoint structure are interpreted as two unrelated faults, while theMurchison Highway structure and the Barite Creek structure are the same fault.

- The Henty-Mt Cripps, Mt Charter and Southwell River Fault s are major basement faults, controlling the overall geometry of the Mackintosh basin. The overall movement on the fault system during the opening of the basin is dextral strike-slip.

- The deepest part of the basin lies to the east and southeast of Hellyer Mine, probably localised by the dilational jog in the Henty-Mt Cripps fault system. Rhyolitic sills in the area are probably localised by the same dilational jog.

- A shift of the depocentre of the basin from the east to the west occurred after the deposition of the mixed sequence, probably a result of subtle changes in the stress field.

- Mineralisation is localised along the major normal faults, where they intersect basin internal transfer faults or basin-bounding structures such as the Mt Charter fault.

This supports the importance of the Southwell River Fault as a potential conduit for mineralising fluids.

5. References

Windh, J, Etheridge, M., 1992. *Structural setting of the Mackintosh Block and its mineralisation.* E&H report to Aberfoyle.

6. Appendix - Tables of field data

Table 2 Summary of field data collected in the Mayday area.

Northing	Easting	Bedding	Cleavage	Comments
6380	13240	60-030	71-045	vergence antiform west; younging east; interbedded sandstone, shale, conglomerate
6320	13190	61-065 good	70-045 good	
5950	13040			fault 42-055, lin 40-085, quartz vein fibres
6030	13050		71-045	
7090	13810	32-090 poor		massive, some foliation in finer grained beds
6880	13640	65-105		
6780	13570		68-058	
6770	13560			fault 44-020, brittle, normal (east-side-down) movement, kink folding in footwall
6760	13540	71-090		
7330	13990	79-120 good	parallel to bedding	
7350	14010	64-120		
7580	14070		69-180	pencil slate scree, reading in shale below
7620	14090		88-175	
6060	13070			fault 51 - 053, strong alteration
7900	14130	52-140		
7620	13630	66-310		sandstone bed in conglomerate

Table 3 Summary of field data collected in the Switchback area.

Easting	Northing	Bedding	Cleavage	Comment
9370	7210	61 - 320	71 - 290	laminated shale, graded bedding facing west
9350	7300	tr 140		shale
9360	7400			shale with inconsistent bedding, folded?
9600	7170	86 - 145		shale
9950	7020		90 - 090	shale
		65 - 180		volcaniclastics
9270	6270		71 - 295	volcaniclastics
9470	6140		76 - 060	sandstone volcaniclastics
9430	6290		68 - 105	
8770	6320		45 - 250	fine volcanicalstics
9860	6310	78 - 000	85 - 012	black shale
9780	6310		78 - 010	shale

Table 4 Structural log of diamond drill hole MAC 42.

depth	bedding	foliation	comments
16.5	30		shale
25	30		shale
32	21		shale
32	25		shale
42	27		shale
43	18		shale
47	19		shale
50			contact with rhyolite
52	30	25	both fabrics have same trend
53	37		strong foliation, rhyolite
56		5	strong foliation, rhyolite
61		15	rhyolite, strong foliation
69		17	volcaniclastic, weaker foliation
74		10	weak fabric, volcaniclastic
82	17		volcaniclastic, conglomerate
88	10	10	volcaniclastic, conglomerate
91	15	15	volcaniclastic, conglomerate
102		0	zone of strong foliation
105		20	volcaniclastic conglomerate, moderate foliation
120			shale, sharp contact
121	25		shale, laminated
126			conglomerate, volcaniclastic
127.5	22		volcaniclastic conglomerate, same foliation
130.5	30		volcaniclastic conglomerate, weak foliation
135.8	35		contact with shale shale band 10cm
138.6	18		volcaniclastic conglomerate
147.5	0		volcaniclastic conglomerate
151.7		20	volcaniclastic sandstone/conglomerate
153			contact with sandstone + shale
154.5	14		sandstone/shale
157.3-162			chlorite shear zone, back to vcl cgl, broken core
165		21	chlorite shear zone, back to vcl cgl, broken core
168.3		18	volcaniclastic conglomerate, moderate foliation
173		22	volcaniclastic conglomerate, moderate foliation
175.5			chloritic shear zone
176		32	volcaniclastic conglomerate
179	32	11	contact with shale
180.5	25		sandstone/shale
184	11		sandstone/shale, younging up

Table 4 (cont.)

depth	bedding	foliation	comments
188		24	volcaniclastic grit
192.3	31		sandstone/shale
195	28		sandstone
198		21	volcaniclastic grit
204		20	volcaniclastic grit
206			slate start
208		30	slate
209			contact with black shale
225.5		28	black volcaniclastic
240		23	volcaniclastic
245	21		shale
348.3		21	volcaniclastic
448.5			dyke/intrusion sheared base
253	18		shale/volcaniclastic
256	9		shale
258.3	14		shale
263	22		shale/sandstone, grading up
264.9-279.2			massive rhyolite, chilled margin
281		25	volcaniclastic grit
286		20	volcaniclastic grit
296		15	volcaniclastic grit
299		10	volcaniclastic grit
3.3		12	volcaniclastic grit
307.5		15	volcaniclastic grit
312		17	volcaniclastic grit
317		18	volcaniclastic grit
321.5		25	volcaniclastic grit
324		24	volcaniclastic grit
334		10	volcaniclastic grit
343		25	volcaniclastic grit
350.7		15	volcaniclastic grit
355.3		12	volcaniclastic grit
359.5		12	volcaniclastic grit
365		8	volcaniclastic grit
369.5		8	volcaniclastic grit
374		18	volcaniclastic grit
385.3		0	volcaniclastic grit
391.3		0	volcaniclastic grit
395		13	volcaniclastic grit

Table 4 (cont.)

depth	bedding	foliation	comments
399		28	vcl grit, sharp contact
404	26		sandstone
411	7		shale
415.4	7		shale
422	7		shale
425.5	10		shale
441		7	volcaniclastic sandstone
451		25	volcaniclastic sandstone

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APPENDIX II

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As
626909	14000	5850	5399451.0	394661.1	-4	7	21	-2	-0.008	79	4
626910	14000	5875	5399442.0	394684.3	-4	9	20	-2	-0.008	45	-2
626911	14000	5900	5399432.5	394707.4	-4	14	17	-2	-0.008	264	8
626912	14000	5925	5399423.0	394730.6	5	9	17	-2	-0.008	330	-2
626913	14000	5950	5399413.5	394753.8	-4	8	20	-2	-0.008	223	5
626914	14000	5975	5399404.0	394776.9	-4	5	26	-2	-0.008	197	5
626915	14000	6000	5399395.0	394800.1	10	21	37	-2	-0.008	388	13
626916	14000	6025	5399385.5	394823.3	6	14	26	-2	-0.008	645	11
626917	14000	6050	5399376.0	394846.4	10	13	32	-2	-0.008	674	6
626918	14000	6075	5399366.5	394869.6	9	-5	22	-2	-0.008	719	15
626919	14000	6100	5399357.0	394892.7	32	15	30	-2	-0.008	627	24
626920	14000	6125	5399347.5	394915.9	22	8	26	-2	-0.008	509	23
626921	14000	6150	5399338.5	394939.0	8	-5	24	-2	-0.008	340	8
626922	14000	6175	5399329.0	394962.2	12	9	26	-2	-0.008	638	21
626923	14000	6200	5399319.5	394985.4	27	14	30	-2	-0.008	472	21
626924	14000	6225	5399310.0	395008.5	24	19	43	-2	-0.008	243	41
626925	14000	6250	5399300.5	395031.7	14	11	44	-2	-0.008	448	10
626926	14000	6275	5399291.0	395054.8	9	10	26	3	-0.008	184	6
626927	14000	6300	5399282.0	395078.0	10	6	35	-2	-0.008	472	11
626928	14000	6325	5399272.5	395101.2	4	8	23	-2	-0.008	201	-2
626929	14000	6350	5399263.0	395124.3	-4	53	97	-2	-0.008	446	19
626930	14000	6375	5399253.5	395147.5	10	24	50	-2	-0.008	342	13
626931	14000	6400	5399244.0	395170.6	20	9	53	-2	-0.008	390	9
626932	14000	6425	5399234.5	395193.8	42	9	46	-2	-0.008	307	18
626933	14000	6450	5399225.5	395216.9	4	-5	34	-2	-0.008	1450	7
626934	14000	6475	5399216.0	395240.1	-4	7	28	-2	-0.008	225	5
626935	14000	6500	5399206.5	395263.3	5	-5	39	-2	-0.008	274	10
626936	14000	6525	5399197.0	395286.4	10	10	24	-2	-0.008	120	7
626937	14000	6550	5399187.5	395309.6	-4	-5	36	-2	-0.008	360	11
626938	14000	6575	5399178.0	395332.8	9	-5	33	-2	-0.008	167	16
626939	14000	6600	5399169.0	395355.9	8	10	28	-2	-0.008	236	10
626940	14000	6625	5399159.5	395379.1	6	8	26	-2	-0.008	133	8
626941	14000	6650	5399150.0	395402.2	5	-5	41	-2	-0.008	107	10
626942	14000	6675	5399140.5	395425.4	10	-5	67	-2	-0.008	280	13
626943	14000	6700	5399131.0	395448.6	12	10	66	-2	-0.008	348	10
626944	14000	6725	5399121.5	395471.7	15	8	77	-2	-0.008	254	19
626945	14000	6750	5399112.5	395494.9	18	-5	64	-2	-0.008	486	18
626946	14000	6775	5399103.0	395518.0	23	-5	65	-2	-0.008	624	17
626947	14000	6800	5399093.5	395541.2	20	-5	84	-2	-0.008	306	15
626948	14000	6825	5399084.0	395564.3	10	-5	58	-2	-0.008	398	19
626949	14000	6850	5399074.5	395587.5	8	-5	43	-2	-0.008	390	9
626950	14000	6875	5399065.0	395610.7	10	14	44	-2	-0.008	256	17
626951	14000	6900	5399056.0	395633.8	8	7	38	-2	-0.008	454	4
626952	14000	6925	5399046.5	395657.0	8	-5	36	-2	-0.008	353	19
626953	14000	6950	5399037.0	395680.1	9	-5	114	-2	-0.008	859	18
626954	14000	6975	5399027.5	395703.3	6	-5	49	-2	-0.008	587	8
626955	14000	7000	5399018.0	395726.5	7	-5	34	-2	-0.008	377	19
626956	14000	7025	5399008.5	395749.6	5	-5	19	-2	-0.008	1170	7
626957	14000	7050	5398999.5	395772.8	8	-5	70	-2	-0.008	290	12
626958	14000	7075	5398990.0	395795.9	8	-5	80	-2	-0.008	263	11
626959	14000	7100	5398980.5	395819.1	6	-5	48	-2	-0.008	149	11
626960	14000	7125	5398971.0	395842.3	5	17	50	-2	-0.008	422	5
626961	14000	7150	5398961.5	395865.4	9	31	76	-2	-0.008	426	8
626962	14000	7175	5398952.0	395888.6	15	18	57	-2	-0.008	286	10
626963	14000	7200	5398943.0	395911.8	8	6	53	-2	-0.008	352	8
626964	14000	7225	5398933.5	395934.9	6	9	35	-2	-0.008	408	4
626965	14000	7250	5398924.0	395958.1	6	-5	27	-2	-0.008	721	4
626966	14000	7275	5398914.5	395981.2	4	10	21	-2	-0.008	827	-2
626967	14000	7300	5398905.0	396004.4	7	6	34	-2	-0.008	281	8
626968	14000	7325	5398896.0	396027.5	21	32	42	-2	-0.008	188	15
626969	14000	7350	5398886.5	396050.7	21	32	68	-2	-0.008	172	19
626970	14000	7375	5398877.0	396073.8	22	11	94	-2	-0.008	246	24
626971	14000	7400	5398867.5	396097.0	27	5	180	-2	-0.008	190	17
626972	14000	7425	5398858.0	396120.2	33	12	103	-2	-0.008	236	8
626973	14000	7450	5398848.5	396143.3	29	14	90	-2	-0.008	169	14

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As
626908	14200	5950	5399599.0	394829.1	-4	9	15	-2	-0.008	163	5
626907	14200	5975	5399589.5	394852.3	-4	-5	12	-2	-0.008	84	4
626906	14200	6000	5399580.0	394875.4	-4	-5	9	-2	-0.008	218	5
626905	14200	6025	5399570.5	394898.6	5	8	32	-2	-0.008	610	8
626904	14200	6050	5399561.0	394921.7	8	9	49	-2	-0.008	588	5
626903	14200	6075	5399552.0	394944.9	6	10	21	-2	-0.008	372	3
626902	14200	6100	5399542.5	394968.0	5	5	34	-2	-0.008	349	8
626901	14200	6125	5399533.0	394991.2	5	16	36	-2	-0.008	339	20
626900	14200	6150	5399523.5	395014.4	4	-5	36	-2	-0.008	412	14
626899	14200	6175	5399514.0	395037.5	14	27	40	-2	-0.008	275	19
626898	14200	6200	5399504.5	395060.7	16	29	63	-2	-0.008	401	13
626897	14200	6225	5399495.5	395083.8	21	10	73	-2	-0.008	131	14
626896	14200	6250	5399486.0	395107.0	23	7	51	-2	-0.008	184	18
626895	14200	6275	5399476.5	395130.2	6	-5	66	-2	-0.008	101	29
626894	14200	6300	5399467.0	395153.3	5	-5	30	-2	-0.008	137	12
626893	14200	6325	5399457.5	395176.5	5	9	31	-2	-0.008	233	6
626892	14200	6350	5399448.0	395199.6	6	10	29	-2	-0.008	101	5
626891	14200	6375	5399439.0	395222.8	12	18	41	-2	-0.008	203	10
626890	14200	6400	5399429.5	395245.9	15	-5	55	-2	-0.008	236	14
626889	14200	6425	5399420.0	395269.1	18	12	53	-2	-0.008	192	5
626888	14200	6450	5399410.5	395292.3	12	12	37	-2	-0.008	231	6
626887	14200	6475	5399401.0	395315.4	18	23	40	-2	-0.008	207	10
626886	14200	6500	5399391.5	395338.6	-4	-5	91	-2	-0.008	591	6
626885	14200	6525	5399382.5	395361.8	6	-5	115	-2	-0.008	940	15
626884	14200	6550	5399373.0	395384.9	12	24	62	-2	0.01	235	15
626883	14200	6575	5399363.5	395408.1	24	30	97	2	-0.008	322	19
626882	14200	6600	5399354.0	395431.2	19	32	84	-2	-0.008	327	14
626881	14200	6625	5399344.5	395454.4	25	21	129	-2	-0.008	654	13
626880	14200	6650	5399335.0	395477.6	16	19	133	-2	-0.008	1150	11
626879	14200	6675	5399326.0	395500.7	18	29	58	-2	-0.008	543	17
626878	14200	6700	5399316.5	395523.9	16	25	70	-2	-0.008	500	12
626877	14200	6725	5399307.0	395547.0	17	32	88	-2	-0.008	400	15
626876	14200	6750	5399297.5	395570.2	9	16	38	-2	-0.008	819	-2
626875	14200	6775	5399288.0	395593.3	13	22	54	-2	-0.008	287	-2
626874	14200	6800	5399279.0	395616.5	29	57	109	-2	-0.008	125	-2
626873	14200	6825	5399269.5	395639.7	21	59	135	-2	-0.008	204	24
626872	14200	6850	5399260.0	395662.8	7	14	54	-2	-0.008	174	8
626871	14200	6875	5399250.5	395686.0	22	66	100	-2	-0.008	189	-2
626870	14200	6900	5399241.0	395709.1	13	44	87	-2	-0.008	157	-2
626869	14200	6925	5399231.5	395732.3	10	22	64	-2	-0.008	641	-2
626868	14200	6950	5399222.5	395755.5	10	21	92	-2	-0.008	326	-2
626867	14200	6975	5399213.0	395778.6	10	20	47	-2	-0.008	312	-2
626866	14200	7000	5399203.5	395801.8	12	18	76	-2	-0.008	198	-2
626865	14200	7025	5399194.0	395824.9	10	27	62	-2	-0.008	204	-2
626864	14200	7050	5399184.5	395848.1	8	29	41	-2	-0.008	343	-2
626863	14200	7075	5399175.0	395871.3	5	-5	34	-2	-0.008	1490	-2
626862	14200	7100	5399166.0	395894.4	8	23	57	-2	-0.008	172	-2
626861	14200	7125	5399156.5	395917.6	13	22	38	-2	-0.008	121	-2
626860	14200	7150	5399147.0	395940.8	21	24	67	-2	-0.008	300	-2
626859	14200	7175	5399137.5	395963.9	20	36	70	-2	-0.008	171	-2
626858	14200	7200	5399128.0	395987.1	12	38	62	-2	-0.008	190	-2
626799	14400	5100	5400104.0	394117.0	10	14	25	-2	-0.008	101	-2
626800	14400	5125	5400095.0	394140.1	39	10	44	-2	-0.008	151	-2
626801	14400	5150	5400085.5	394163.3	14	-5	49	-2	-0.008		
626802	14400	5175	5400076.0	394186.5	18	-5	71	-2	-0.008	500	-2
626803	14400	5200	5400066.5	394209.6	14	-5	58	-2	-0.008	203	-2
626804	14400	5225	5400057.0	394232.8	13	-5	46	-2	-0.008	140	-2
626805	14400	5250	5400047.5	394255.9	13	9	32	-2	-0.008	156	-2
626806	14400	5275	5400038.5	394279.1	10	8	43	-2	-0.008	413	-2
626807	14400	5300	5400029.0	394302.3	32	14	62	-2	-0.008	625	-2
626808	14400	5325	5400019.5	394325.4	10	7	48	-2	-0.008	527	-2
626809	14400	5350	5400010.0	394348.6	8	-5	39	-2	-0.008	382	-2
626810	14400	5375	5400000.5	394371.7	22	-5	63	-2	-0.008	413	-2
626811	14400	5400	5399991.0	394394.9	8	-5	23	-2	-0.008	66	-2
626812	14400	5425	5399982.0	394418.1	6	-5	18	-2	-0.008	29	-2

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As
626813	14400	5450	5399972.5	394441.2	8	-5	17	-2	-0.008	55	-2
626814	14400	5475	5399963.0	394464.4	8	-5	16	-2	-0.008	59	-2
626815	14400	5500	5399953.5	394487.5	27	-5	265	-2	-0.008	40	-2
626816	14400	5525	5399944.0	394510.7	10	-5	30	-2	-0.008	332	3
626817	14400	5550	5399935.0	394533.8	11	9	54	-2	-0.008	352	-2
626818	14400	5950	5399784.0	394904.4	7	18	38	-2	-0.008	425	-2
626819	14400	5975	5399774.5	394927.6	8	21	45	-2	-0.008	418	-2
626820	14400	6000	5399765.5	394950.7	6	10	43	-2	-0.008	418	-2
626821	14400	6025	5399756.0	394973.9	8	17	19	-2	-0.008	269	5
626822	14400	6050	5399746.5	394997.0	43	29	56	-2	-0.008	155	-2
626823	14400	6075	5399737.0	395020.2	22	23	41	-2	-0.008	194	-2
626824	14400	6100	5399727.5	395043.4	13	24	60	-2	-0.008	301	-2
626826	14400	6125	5399718.0	395066.5	7	16	103	-2	-0.008	1500	-2
626827	14400	6150	5399709.0	395089.7	11	23	51	-2	-0.008	245	-2
626828	14400	6175	5399699.5	395112.8	9	21	29	-2	-0.008	181	-2
626829	14400	6200	5399690.0	395136.0	9	21	41	-2	-0.008	214	-2
626830	14400	6225	5399680.5	395159.2	9	17	55	-2	-0.008	406	-2
626831	14400	6250	5399671.0	395182.3	11	18	63	-2	-0.008	331	-2
626832	14400	6275	5399661.5	395205.5	15	31	60	-2	-0.008	317	-2
626833	14400	6300	5399652.5	395228.6	6	15	40	-2	-0.008	1190	-2
626834	14400	6325	5399643.0	395251.8	7	14	44	-2	-0.008	428	-2
626835	14400	6350	5399633.5	395274.9	10	20	34	-2	-0.008	400	-2
626836	14400	6375	5399624.0	395298.1	18	25	125	-2	-0.008	545	6
626837	14400	6400	5399614.5	395321.3	23	65	69	-2	-0.008	300	-2
626838	14400	6425	5399605.0	395344.4	6	15	12	-2	-0.008	31	-2
626839	14400	6450	5399596.0	395367.6	9	15	28	-2	-0.008	54	-2
626840	14400	6475	5399586.5	395390.8	25	37	60	-2	-0.008	237	-2
626841	14400	6500	5399577.0	395413.9	22	41	65	2	-0.008	325	-2
626842	14400	6525	5399567.5	395437.1	11	25	61	-2	-0.008	735	-2
626843	14400	6550	5399558.0	395460.2	24	47	107	-2	-0.008	758	-2
626844	14400	6575	5399549.0	395483.4	21	27	96	-2	-0.008	511	-2
626845	14400	6600	5399539.5	395506.6	20	11	90	3	-0.008	520	-2
626846	14400	6625	5399530.0	395529.7	18	12	67	-2	-0.008	523	-2
626847	14400	6650	5399520.5	395552.9	19	8	83	-2	-0.008	524	-2
626848	14400	6675	5399511.0	395576.0	9	8	35	-2	-0.008	524	-2
626849	14400	6700	5399501.5	395599.2	8	10	39	-2	-0.008	722	-2
626850	14400	6725	5399492.5	395622.3	9	28	52	-2	-0.008	303	-2
626851	14400	6750	5399483.0	395645.5	8	21	35	-2	-0.008	274	-2
626852	14400	6775	5399473.5	395668.7	8	20	31	-2	-0.008	971	-2
626853	14400	6800	5399464.0	395691.8	8	20	73	-2	-0.008	496	-2
626854	14400	6825	5399454.5	395715.0	9	16	58	-2	-0.008	243	-2
626855	14400	6850	5399445.0	395738.1	8	22	67	-2	-0.008	265	-2
626856	14400	6875	5399436.0	395761.3	8	10	37	-2	-0.008	203	-2
626857	14400	6900	5399426.5	395784.5	9	24	48	-2	-0.008	119	-2
626759	14600	5800	5400026.0	394840.8	15	-5	42	-2	-0.008	242	-2
626760	14600	5825	5400016.5	394863.9	13	-5	54	-2	-0.008	181	-2
626761	14600	5850	5400007.0	394887.1	20	-5	51	-2	-0.008	178	4
626763	14600	5875	5399997.5	394910.3	10	-5	41	-2	-0.008	230	-2
626764	14600	5900	5399988.0	394933.4	22	-5	76	-2	-0.008	346	4
626765	14600	5925	5399979.0	394956.6	38	5	65	-2	-0.008	308	9
626766	14600	5950	5399969.5	394979.7	11	6	25	-2	-0.008	146	-2
626767	14600	5975	5399960.0	395002.9	8	-5	20	-2	-0.008	51	-2
626768	14600	6000	5399950.5	395026.0	5	-5	-4	-2	-0.008	41	-2
626769	14600	6025	5399941.0	395049.2	6	-5	23	-2	-0.008	113	-2
626770	14600	6050	5399931.5	395072.4	8	-5	23	-2	-0.008	66	-2
626771	14600	6075	5399922.5	395095.5	9	7	42	-2	-0.008	245	-2
626772	14600	6100	5399913.0	395118.7	7	15	30	-2	-0.008	96	-2
626773	14600	6125	5399903.5	395141.8	8	13	29	-2	-0.008	136	4
626774	14600	6150	5399894.0	395165.0	8	10	44	-2	-0.008	296	4
626775	14600	6175	5399884.5	395188.2	6	10	78	-2	-0.008	618	6
626776	14600	6200	5399875.5	395211.3	8	16	77	-2	-0.008	560	5
626777	14600	6225	5399866.0	395234.5	10	11	55	-2	-0.008	250	-2
626778	14600	6250	5399856.5	395257.6	9	-5	60	-2	-0.008	619	4
626779	14600	6275	5399847.0	395280.8	13	-5	51	-2	-0.008	259	-2
626780	14600	6300	5399837.5	395303.9	39	-5	54	-2	-0.008	293	12

Murray's Road Soil Sampling

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As
626781	14600	6325	5399828.0	395327.1	11	5	66	-2	-0.008	520	-2
626782	14600	6350	5399819.0	395350.3	10	-5	96	-2	-0.008	726	5
626783	14600	6375	5399809.5	395373.4	22	5	103	-2	-0.008	417	8
626784	14600	6400	5399800.0	395396.6	20	-5	91	-2	-0.008	610	4
626785	14600	6425	5399790.5	395419.8	24	-5	146	-2	-0.008	798	5
626786	14600	6450	5399781.0	395442.9	17	11	102	-2	-0.008	555	-2
626787	14600	6475	5399771.5	395466.1	29	18	155	-2	-0.008	580	-2
626788	14600	6500	5399762.5	395489.2	26	12	125	-2	-0.008	386	6
626789	14600	6525	5399753.0	395512.4	19	20	106	-2	-0.008	456	-2
626790	14600	6550	5399743.5	395535.6	16	5	101	-2	-0.008	457	-2
626791	14600	6575	5399734.0	395558.7	12	13	81	-2	-0.008	600	-2
626792	14600	6600	5399724.5	395581.9	9	25	43	-2	-0.008	614	-2
626793	14600	6625	5399715.0	395605.0	10	19	44	-2	-0.008	840	-2
626794	14600	6650	5399706.0	395628.2	9	46	80	-2	-0.008		
626795	14600	6675	5399696.5	395651.3	9	57	86	-2	-0.008		
626796	14600	6700	5399687.0	395674.5	7	7	34	-2	-0.008	608	-2
626797	14600	6725	5399677.5	395697.7	6	-5	16	-2	-0.008	961	-2
626798	14600	6750	5399668.0	395720.8	7	6	28	-2	-0.008	837	-2
626718	14800	5700	5400249.0	394823.4	10	-5	34	-2	-0.008	45	7
626719	14800	5725	5400239.5	394846.6	10	-5	28	-2	-0.008	51	5
626720	14800	5750	5400230.0	394869.8	8	-5	43	-2	-0.008	114	-2
626721	14800	5775	5400220.5	394892.9	8	-5	31	-2	-0.008	88	11
626722	14800	5800	5400211.0	394916.1	14	52	158	-2	-0.008	270	15
626723	14800	5825	5400202.0	394939.3	11	13	50	-2	-0.008	213	8
626724	14800	5850	5400192.5	394962.4	11	8	45	-2	-0.008	117	7
626725	14800	5875	5400183.0	394985.6	8	-5	43	-2	-0.008	81	-2
626726	14800	5900	5400173.5	395008.7	8	5	46	-2	-0.008	100	-2
626727	14800	5925	5400164.0	395031.9	10	8	70	-2	-0.008	132	10
626728	14800	5950	5400154.5	395055.0	15	-5	47	-2	-0.008	113	5
626729	14800	5975	5400145.5	395078.2	10	6	45	-2	-0.008	113	9
626730	14800	6000	5400136.0	395101.4	7	-5	24	-2	-0.008	67	6
626731	14800	6025	5400126.5	395124.5	10	-5	69	-2	-0.008	142	4
626732	14800	6050	5400117.0	395147.7	10	11	64	-2	-0.008	443	10
626733	14800	6075	5400107.5	395170.8	10	-5	72	-2	-0.008	331	7
626734	14800	6100	5400098.0	395194.0	13	18	87	-2	-0.008		
626735	14800	6125	5400089.0	395217.2	13	-5	49	-2	-0.008	302	5
626736	14800	6150	5400079.5	395240.3	10	9	48	-2	-0.008	144	-2
626737	14800	6175	5400070.0	395263.5	10	-5	50	-2	-0.008	299	9
626738	14800	6200	5400060.5	395286.6	10	9	47	-2	-0.008	234	8
626739	14800	6225	5400051.0	395309.8	10	11	46	-2	-0.008	214	8
626740	14800	6250	5400041.5	395332.9	10	6	60	-2	-0.008		
626741	14800	6275	5400032.5	395356.1	10	9	51	-2	-0.008	345	4
626742	14800	6300	5400023.0	395379.3	71	-5	64	-2	-0.008	746	10
626743	14800	6325	5400013.5	395402.4	9	-5	52	-2	-0.008	400	7
626744	14800	6350	5400004.0	395425.6	9	14	69	-2	-0.008	176	16
626745	14800	6375	5399994.5	395448.8	11	10	56	-2	-0.008	174	-2
626746	14800	6400	5399985.0	395471.9	10	26	67	-2	-0.008	152	8
626747	14800	6425	5399976.0	395495.1	16	39	90	-2	-0.008		
626748	14800	6450	5399966.5	395518.2	15	18	76	-2	-0.008	432	11
626749	14800	6475	5399957.0	395541.4	11	11	59	-2	-0.008	467	7
626750	14800	6500	5399947.5	395564.6	10	31	80	-2	-0.008		
626751	14800	6525	5399938.0	395587.7	8	16	45	-2	-0.008		
626752	14800	6550	5399928.5	395610.9	9	8	42	-2	-0.008	66	7
626753	14800	6575	5399919.5	395634.0	10	26	89	-2	-0.008		
626754	14800	6600	5399910.0	395657.2	8	7	32	-2	-0.008	446	7
626755	14800	6625	5399900.5	395680.3	7	6	25	-2	-0.008	621	-2
626756	14800	6650	5399891.0	395703.5	8	8	45	-2	-0.008	107	-2
626757	14800	6675	5399881.5	395726.7	7	5	29	-2	-0.008	292	-2
626758	14800	6700	5399872.0	395749.8	6	-5	22	-2	-0.008	121	5
626701	15000	5900	5400359.0	395084.0	11	-5	42	-2	-0.008	889	-2
626702	15000	5925	5400349.5	395107.2	25	55	152	-2	-0.008	624	4
626703	15000	5950	5400340.0	395130.4	20	5	54	-2	-0.008	132	4
626704	15000	5975	5400330.5	395153.5	16	29	86	-2	-0.008	206	-2
626705	15000	6000	5400321.0	395176.7	13	24	37	-2	-0.008	105	4
626706	15000	6025	5400311.5	395199.8	14	13	40	-2	-0.008	326	8

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As
626707	15000	6050	5400302.5	395223.0	14	-5	42	-2	-0.008	574	5
626708	15000	6075	5400293.0	395246.2	12	25	39	-2	-0.008	914	17
626709	15000	6100	5400283.5	395269.3	10	8	42	-2	-0.008	766	10
626710	15000	6125	5400274.0	395292.5	10	8	38	-2	-0.008	323	7
626711	15000	6150	5400264.5	395315.6	10	-5	32	-2	-0.008	275	-2
626712	15000	6175	5400255.0	395338.8	10	-5	33	-2	-0.008	376	9
626713	15000	6200	5400246.0	395361.9	9	-5	33	-2	-0.008	184	7
626714	15000	6225	5400236.5	395385.1	8	-5	35	-2	-0.008	47	6
626715	15000	6250	5400227.0	395408.3	9	-5	39	-2	-0.008	43	9
626716	15000	6275	5400217.5	395431.4	8	8	46	-2	-0.008	23	6
626717	15000	6300	5400208.0	395454.6	9	-5	67	-2	-0.008	30	5

309070

APPENDIX III

309071

Maverick Wacker Samples
Results in PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As	Cr
629586	12850	5850	5398385.9	394228.0	51	61	281	2	-0.008	3150	14	361
629587	12850	5875	5398376.5	394251.2	6	21	14	-2	-0.008	217	-2	544
629588	12850	5900	5398367.1	394274.4	13	18	29	-2	-0.008	153	-2	416
629589	12850	5925	5398357.7	394297.5	13	15	15	-2	-0.008	122	-2	335
629590	12850	5950	5398348.2	394320.7	15	23	22	-2	-0.008	172	-2	501
629591	12850	5975	5398338.8	394343.8	48	35	25	2	-0.008	484	5	118
629592	12850	6000	5398329.4	394367.0	21	16	23	-2	-0.008	209	-2	150
629593	12850	6025	5398320.0	394390.2	11	20	41	2	-0.008	385	-2	23
629594	12850	6050	5398310.6	394413.3	7	30	46	-2	-0.008	429	-2	14
629595	12850	6075	5398301.2	394436.5	6	22	31	2	-0.008	373	4	8
629596	12850	6100	5398291.8	394459.6	6	25	46	2	-0.008	355	-2	11
629597	12850	6125	5398282.3	394482.8	9	23	62	2	-0.008	250	4	-5
629598	12850	6150	5398272.9	394506.0	9	27	16	-2	-0.008	256	-2	31
629599	12850	6175	5398263.5	394529.1	7	35	27	2	-0.008	204	4	34
629600	12850	6200	5398254.1	394552.3	6	20	20	-2	-0.008	330	-2	17
629563	12900	5575	5398535.8	393992.1	106	29	135	-2	-0.008	297	4	-5
629564	12900	5600	5398526.4	394015.3	10	39	175	2	-0.008	385	6	12
629565	12900	5625	5398517.0	394038.4	11	34	123	-2	-0.008	299	-2	30
629566	12900	5650	5398507.5	394061.6	13	34	180	-2	-0.008	326	-2	9
629567	12900	5675	5398498.1	394084.8	8	39	281	-2	-0.008	379	-2	15
629568	12900	5700	5398488.7	394107.9	7	39	180	2	-0.008	359	-2	10
629569	12900	5725	5398479.3	394131.1	15	37	30	-2	-0.008	156	-2	23
629570	12900	5750	5398469.9	394154.2	54	52	73	3	-0.008	367	6	547
629571	12900	5775	5398460.5	394177.4	63	60	200	3	-0.008	2715	6	389
629572	12900	5800	5398451.1	394200.6	12	36	65	2	-0.008	421	4	119
629573	12900	5825	5398441.6	394223.7	20	35	15	-2	-0.008	407	7	322
629574	12900	5850	5398432.2	394246.9	4	31	11	-2	-0.008	496	-2	328
629575	12900	5875	5398422.8	394270.0	30	34	29	2	-0.008	183	-2	221
629576	12900	5900	5398413.4	394293.2	13	26	29	-2	-0.008	398	4	354
629577	12900	5925	5398404.0	394316.4	6	17	12	-2	-0.008	124	-2	167
629578	12900	5950	5398394.6	394339.5	536	45	285	3	0.009	78	8	118
629579	12900	5975	5398385.1	394362.7	171	32	137	-2	-0.008	408	-2	92
629580	12900	6000	5398375.7	394385.8	8	20	64	-2	-0.008	434	4	14
629581	12900	6025	5398366.3	394409.0	6	26	43	-2	-0.008	270	-2	12
629582	12900	6050	5398356.9	394432.2	12	27	43	-2	-0.008	254	-2	13
629583	12900	6075	5398347.5	394455.3	20	35	59	-2	-0.008	230	-2	10
629584	12900	6100	5398338.1	394478.5	12	226	35	-2	-0.008	206	-2	9
629585	12900	6125	5398328.7	394501.6	7	68	18	-2	-0.008	169	-2	22
629549	12950	5825	5398488.0	394242.5	9	30	46	-2	-0.008	315	5	105
629550	12950	5850	5398478.5	394265.7	9	22	36	-2	-0.008	255	-2	44
629551	12950	5875	5398469.1	394288.9	12	30	127	-2	-0.008	200	-2	17
629552	12950	5900	5398459.7	394312.0	7	20	20	-2	-0.008	351	-2	14
629553	12950	5925	5398450.3	394335.2	4	34	38	-2	-0.008	172	7	19
629554	12950	5950	5398440.9	394358.3	-4	32	45	-2	0.009	191	-2	15
629555	12950	5975	5398431.5	394381.5	10	30	48	2	-0.008	180	-2	10
629556	12950	6000	5398422.1	394404.7	12	29	50	2	0.019	200	-2	10
629557	12950	6025	5398412.6	394427.8	6	26	47	-2	-0.008	206	4	11
629558	12950	6050	5398403.2	394451.0	8	32	44	-2	0.024	234	-2	16
629559	12950	6075	5398393.8	394474.1	11	47	23	-2	-0.008	205	-2	14
629560	12950	6100	5398384.4	394497.3	6	83	19	-2	-0.008	197	-2	38
629561	12950	6125	5398375.0	394520.5	7	29	19	-2	-0.008	312	-2	42
629562	12950	6150	5398365.6	394543.6	5	34	16	-2	-0.008	385	-2	57
629470	13000	5900	5398506.0	394330.9	12	32	94	-2	-0.008	234	5	48
629469	13000	5925	5398496.6	394354.0	13	32	38	2	-0.008	190	5	23
629468	13000	5950	5398487.2	394377.2	12	32	59	2	-0.008	250	5	16

Maverick Wacker Samples
Results in PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Ag	Au	Ba	As	Cr
629467	13000	5975	5398477.8	394400.3	6	16	69	-2	0.009	361	-2	17
629544	13000	6000	5398468.4	394423.5	20	31	70	-2	-0.008	194	9	12
629545	13000	6025	5398459.0	394446.7	5	41	35	2	-0.008	200	4	9
629546	13000	6050	5398449.5	394469.8	5	33	55	-2	-0.008	294	-2	374
629547	13000	6075	5398440.1	394493.0	26	298	32	-2	0.009	407	5	623
629548	13000	6100	5398430.7	394516.1	9	46	31	2	-0.008	588	4	12
629463	13075	5950	5398556.7	394405.4	50	79	98	-2	-0.008	188	7	490
629465	13100	5900	5398598.7	394368.5	92	21	57	-2	-0.008	286	6	552
629464	13100	5925	5398589.3	394391.7	28	18	59	-2	-0.008	205	5	592
629462	13100	5950	5398579.8	394414.8	41	9	66	-2	-0.008	235	5	722
629461	13100	5975	5398570.4	394438.0	64	83	116	-2	-0.008	189	8	489
629539	13100	6000	5398561.0	394461.2	26	52	18	-2	-0.008	160	10	846
629540	13100	6025	5398551.6	394484.3	19	69	45	-2	0.021	527	6	74
629541	13100	6050	5398542.2	394507.5	12	69	30	-2	-0.008	379	-2	745
629542	13100	6075	5398532.8	394530.6	11	38	20	-2	-0.008	155	-2	667
629543	13100	6100	5398523.4	394553.8	7	32	18	-2	-0.008	336	-2	16
629466	13150	5900	5398645.0	394387.3	7	25	29	-2	0.038	757	6	10
629460	13150	5975	5398616.7	394456.8	-4	10	16	2	-0.008	735	-2	302
629536	13150	6000	5398607.3	394480.0	10	44	16	-2	-0.008	449	4	16
629537	13150	6025	5398597.9	394503.1	23	131	37	-2	-0.008	1025	16	153
629538	13150	6050	5398588.5	394526.3	14	66	58	-2	-0.008	821	12	32
629459	13175	6000	5398630.5	394489.4	20	38	29	-2	-0.008	1265	10	500
629526	13200	5575	5398813.7	394105.1	7	78	80	2	-0.008	5015	-2	49
629527	13200	5600	5398804.3	394128.3	9	278	208	2	-0.008	692	33	59
629528	13200	5625	5398794.9	394151.4	13	51	67	2	-0.008	442	-2	53
629529	13200	5650	5398785.5	394174.6	5	45	18	-2	-0.008	375	-2	28
629530	13200	5675	5398776.0	394197.7	16	127	130	-2	-0.008	702	-2	87
629531	13200	5700	5398766.6	394220.9	15	143	162	2	-0.008	1110	17	56
629532	13200	5725	5398757.2	394244.1	19	84	44	2	-0.008	895	6	68
629533	13200	5750	5398747.8	394267.2	8	75	26	-2	-0.008	884	8	213
629534	13200	5775	5398738.4	394290.4	8	32	12	-2	-0.008	753	-2	15
629535	13200	5800	5398729.0	394313.5	10	30	26	-2	0.013	570	-2	-5

309073

APPENDIX IV

309074

MAGNETIC SUSCEPTIBILITY

MAC-021

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
2	11	88	34	174	65	260	7	346	5
3	15	89	26	175	263	261	11	347	0
4	10	90	59	176	177	262	8	348	0
5	57	91	20	177	98	263	0	349	0
6	38	92	22	178	76	264	0	350	0
7	56	93	26	179	4	265	0	351	5
8	42	94	49	180	0	266	0	352	0
9	17	95	49	181	2	267	0	353	0
10	30	96	13	182	120	268	8	354	0
11	24	97	16	183	11	269	40	355	0
12	35	98	10	184	3	270	3	356	0
13	10	99	5	185	4	271	0	357	7
14	8	100	20	186	12	272	0	358	7
15	13	101	14	187	5	273	7	359	1
16	16	102	15	188	4	274	37	360	4
17	7	103	8	189	3	275	40	361	1
18	32	104	4	190	34	276	0	362	0
19	37	105	7	191	3	277	0	363	0
20	13	106	0	192	4	278	0	364	0
21	8	107	1	193	4	279	0	365	0
22	8	108	10	194	25	280	6	366	0
23	33	109	21	195	7	281	7	367	3
24	1	110	4	196	0	282	1	368	0
25	17	111	1	197	105	283	15	369	0
26	14	112	5	198	14	284	20	370	0
27	5	113	4	199	14	285	12	371	0
28	13	114	13	200	7	286	5	372	0
29	3	115	6	201	103	287	0	373	0
30	17	116	3	202	13	288	0	374	2
31	7	117	1	203	22	289	89	375	0
32	2	118	0	204	37	290	7	376	0
33	1	119	2	205	12	291	0	377	0
34	17	120	2	206	24	292	0	378	0
35	17	121	37	207	367	293	0	379	0
36	23	122	35	208	57	294	8	380	0
37	76	123	66	209	35	295	3	381	0
38	43	124	7	210	30	296	12	382	1
39	7	125	149	211	22	297	1	383	0
40	41	126	148	212	4	298	7	384	0
41	77	127	122	213	2	299	1	385	2
42	16	128	63	214	96	300	0	386	0
43	5	129	25	215	7	301	0	387	0
44	6	130	21	216	1	302	62	388	0
45	3	131	30	217	0	303	85	389	3
46	15	132	13	218	11	304	13	390	0
47	28	133	4	219	10	305	0	391	32
48	12	134	1	220	1	306	0	392	6
49	4	135	0	221	30	307	0	393	8
50	55	136	0	222	3	308	1	394	4
51	12	137	0	223	0	309	0	395	2
52	102	138	12	224	11	310	0	396	0
53	34	139	4	225	15	311	8	397	0
54	40	140	8	226	5	312	1	398	13
55	16	141	8	227	0	313	0	399	25
56	8	142	10	228	62	314	0	400	11
57	6	143	17	229	60	315	15	401	1
58	0	144	3	230	6	316	6	402	0
59	1	145	0	231	3	317	0	403	0
60	0	146	42	232	12	318	0	404	0
61	17	147	14	233	2	319	0	405	0
62	12	148	10	234	0	320	0	406	31
63	66	149	1	235	0	321	0	407	0
64	11	150	0	236	113	322	0	408	0
65	17	151	72	237	33	323	0	409	0
66	14	152	4	238	15	324	0	410	0
67	11	153	0	239	2	325	0	411	0
68	1	154	0	240	0	326	0	412	0
69	55	155	0	241	0	327	0	413	0
70	1	156	0	242	0	328	0	414	0
71	8	157	1	243	62	329	0	415	85
72	3	158	0	244	92	330	0	416	8
73	1	159	0	245	13	331	93	417	4
74	16	160	0	246	3	332	24	418	14
75	4	161	0	247	0	333	5	419	3
76	25	162	2	248	0	334	0	420	1
77	0	163	28	249	0	335	0	421	12
78	0	164	4	250	3	336	0	422	90
79	38	165	1	251	0	337	0	423	95
80	8	166	1	252	0	338	0	424	77
81	3	167	0	253	0	339	0	425	28
82	1	168	2	254	29	340	0	426	5
83	16	169	0	255	10	341	0	427	7
84	37	170	171	256	0	342	5	428	0
85	11	171	158	257	11	343	0	429	0
86	3	172	3	258	0	344	0	430	10
87	0	173	13	259	68	345	3	431	35

MAGNETIC SUSCEPTIBILITY

MAC-021

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
432	115								
433	4								
434	0								
435	0								
436	0								
437	31								
438	10								
439	1								

MAGNETIC SUSCEPTIBILITY

309076

MAC-028

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
0	13	107	5	193	23	279	20	365	86
1	13	108	11	194	1	280	5	366	3
3	49	109	77	195	5	281	13	367	16
4	62	110	21	196	11	282	34	368	1
5	74	111	44	197	12	283	15	369	0
6	116	112	634	198	41	284	42	370	48
7	119	113	58	199	48	285	24	371	4
8	81	114	30	200	48	286	29	372	96
9	79	115	34	201	6	287	16	373	0
10	65	116	25	202	11	288	12	374	14
11	59	117	4	203	35	289	17	375	2
12	28	118	48	204	12	290	2	376	0
13	87	119	17	205	32	291	15	377	0
14	83	120	17	206	25	292	33	378	0
15	40	121	7	207	20	293	6	379	0
16	38	122	11	208	3	294	6	380	15
17	62	123	13	209	0	295	12	381	1
18	66	124	6	210	0	296	14	382	11
19	28	125	16	211	16	297	13	383	0
20	21	126	12	212	6	298	14	384	0
21	11	127	62	213	26	299	21	385	0
22	10	128	8	214	3	300	21	386	10
23	86	129	16	215	4	301	69	387	142
24	63	130	7	216	62	302	37	388	13
25	47	131	7	217	15	303	144	389	104
26	87	132	68	218	1	304	202	390	5
27	58	133	23	219	0	305	2	391	0
28	69	134	113	220	0	306	10	392	0
29	44	135	19	221	15	307	70	393	21
30	39	136	20	222	7	308	14	394	48
31	35	137	15	223	3	309	136	395	25
32	41	138	13	224	2	310	98	396	31
33	33	139	25	225	1	311	62	397	76
34	12	140	29	226	2	312	2	398	2
35	14	141	22	227	2	313	0	399	0
56	8	142	10	228	14	314	8	400	0
57	0	143	16	229	3	315	48	401	25
58	51	144	3	230	2	316	0	402	41
59	90	145	0	231	0	317	12	403	11
60	81	146	0	232	21	318	10	404	10
61	80	147	0	233	3	319	0	405	92
62	84	148	3	234	8	320	14	406	7
63	112	149	16	235	12	321	1	407	38
64	43	150	28	236	25	322	0	408	3
65	102	151	1	237	31	323	11	409	0
66	43	152	0	238	39	324	0	410	8
67	76	153	84	239	28	325	10	411	11
68	88	154	5	240	42	326	1	412	2
69	76	155	41	241	48	327	4	413	15
70	49	156	46	242	15	328	57	414	1
71	87	157	6	243	38	329	5	415	38
72	88	158	6	244	24	330	0	416	1
73	71	159	2	245	37	331	0	417	0
74	70	160	30	246	13	332	17	418	0
75	68	161	74	247	55	333	1	419	0
76	70	162	14	248	47	334	14	420	0
77	84	163	0	249	42	335	2	421	0
78	78	164	0	250	37	336	0	422	0
79	71	165	0	251	89	337	41	423	0
80	74	166	0	252	49	338	50	424	0
81	55	167	0	253	123	339	8	425	0
82	85	168	6	254	44	340	14	426	0
83	70	169	23	255	5	341	12	427	0
84	58	170	49	256	56	342	57	428	0
85	48	171	6	257	81	343	11	429	0
86	49	172	0	258	92	344	0	430	0
87	55	173	0	259	69	345	0	431	1
88	62	174	0	260	25	346	87	432	0
89	65	175	1	261	42	347	17	433	0
90	29	176	0	262	19	348	11	434	0
91	77	177	4	263	12	349	8	435	0
92	8	178	1	264	4	350	13	436	0
93	75	179	59	265	65	351	0	437	0
94	88	180	8	266	22	352	0	438	0
95	113	181	28	267	10	353	7	439	0
96	79	182	2	268	3	354	14	440	0
97	57	183	17	269	37	355	12	441	0
98	40	184	4	270	43	356	57	442	0
99	22	185	0	271	16	357	2	443	81
100	51	186	0	272	55	358	0	444	0
101	70	187	0	273	6	359	0	445	0
102	22	188	0	274	31	360	0	446	0
103	30	189	7	275	24	361	38	447	51
104	15	190	34	276	7	362	5	448	66
105	3	191	41	277	12	363	1	449	11
106	15	192	29	278	4	364	8	450	14

309077

MAGNETIC SUSCEPTIBILITY

MAC-028

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
451	2	537	10	623	60	709	6	795	11
452	0	538	125	624	16	710	59	796	14
453	0	539	98	625	25	711	12	797	1
454	0	540	14	626	14	712	19	798	0
455	31	541	8	627	2	713	4	799	0
456	0	542	11	628	0	714	0	800	1
457	0	543	1	629	0	715	0	801	2
458	2	544	11	630	56	716	83	802	14
459	0	545	80	631	15	717	4	803	12
460	0	546	17	632	6	718	90	804	19
461	1	547	5	633	0	719	1	805	3
462	43	548	0	634	0	720	0	806	0
463	59	549	43	635	0	721	5	807	0
464	5	550	42	636	0	722	135	808	13
465	3	551	129	637	0	723	51	809	90
466	0	552	11	638	0	724	5	810	10
467	6	553	11	639	0	725	11	811	20
468	15	554	5	640	0	726	2	812	8
469	89	555	107	641	0	727	8	813	2
470	2	556	11	642	0	728	3	814	0
471	37	557	10	643	0	729	0	815	0
472	25	558	14	644	0	730	0	816	0
473	15	559	2	645	15	731	0	817	2
474	4	560	4	646	2	732	50	818	56
475	0	561	14	647	1	733	8	819	8
476	10	562	20	648	1	734	8	820	41
477	2	563	41	649	0	735	8	821	30
478	78	564	50	650	114	736	8	822	4
479	134	565	63	651	13	737	8	823	1
480	3	566	2	652	14	738	35	824	114
481	0	567	10	653	4	739	2	825	53
482	0	568	15	654	6	740	0	826	97
483	0	569	31	655	3	741	7	827	1
484	0	570	44	656	47	742	6	828	4
485	1	571	11	657	5	743	3	829	0
486	52	572	1	658	4	744	4	830	0
487	42	573	0	659	2	745	67	831	0
488	84	574	0	660	1	746	21	832	0
489	4	575	46	661	0	747	15	833	7
490	4	576	2	662	41	748	1	834	2
491	97	577	85	663	76	749	66	835	0
492	121	578	165	664	32	750	90	836	0
493	33	579	12	665	1	751	105	837	0
494	15	580	50	666	51	752	20	838	0
495	60	581	2	667	5	753	6	839	0
496	29	582	0	668	51	754	2	840	0
497	39	583	12	669	52	755	39	841	0
498	3	584	14	670	88	756	24	842	85
499	0	585	15	671	89	757	35	843	60
500	0	586	3	672	4	758	0	844	19
501	24	587	58	673	110	759	25	845	3
502	92	588	7	674	0	760	33	846	0
503	21	589	1	675	0	761	55	847	0
504	88	590	2	676	55	762	5	848	70
505	0	591	46	677	35	763	101	849	3
506	0	592	5	678	19	764	4	850	0
507	11	593	7	679	1	765	11	851	11
508	11	594	41	680	6	766	6	852	89
509	3	595	3	681	0	767	7	853	3
510	3	596	1	682	0	768	66	854	0
511	17	597	40	683	0	769	214	855	8
512	17	598	41	684	2	770	0	856	85
513	1	599	48	685	88	771	57	857	119
514	87	600	96	686	26	772	17	858	16
515	80	601	147	687	31	773	12	859	2
516	35	602	5	688	78	774	32	860	11
517	50	603	2	689	1	775	14	861	0
518	59	604	0	690	0	776	15	862	0
519	17	605	0	691	0	777	13	863	0
520	39	606	66	692	23	778	13	864	57
521	16	607	145	693	13	779	17	865	15
522	144	608	92	694	12	780	6	866	0
523	17	609	14	695	5	781	2	867	4
524	40	610	2	696	7	782	22	868	0
525	8	611	0	697	2	783	1	869	31
526	2	612	0	698	0	784	39	870	1
527	2	613	0	699	7	785	71	871	16
528	108	614	101	700	60	786	99	872	2
529	43	615	13	701	15	787	76	873	0
530	52	616	37	702	29	788	0	874	0
531	60	617	0	703	0	789	0	875	2
532	95	618	42	704	0	790	0	876	1
533	71	619	3	705	0	791	0	877	0
534	40	620	0	706	0	792	35	878	0
535	11	621	0	707	0	793	6	879	1
536	6	622	13	708	0	794	5	880	0

MAGNETIC SUSCEPTIBILITY

309078

MAC-028

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
881	158								
882	4								
883	32								
884	6								
885	1								
886	0								
887	2								
888	0								
889	0								
890	0								
891	0								
892	0								
893	57								
894	7								
895	3								
896	0								
897	0								
898	0								
899	0								
900	0								
901	32								
902	6								
903	3								
904	3								
905	0								
906	0								
907	0								
907.5	0								

309079

MAGNETIC SUSCEPTIBILITY

MAC-033

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
200	30	299	37	385	0	471	41	557	34
201	40	300	43	386	0	472	38	558	4
202	46	301	57	387	68	473	49	559	43
203	61	302	39	388	8	474	58	560	2
204	61	303	47	389	20	475	16	561	3
205	35	304	33	390	6	476	30	562	49
206	34	305	74	391	0	477	111	563	55
207	34	306	28	392	56	478	159	564	8
208	44	307	28	393	38	479	21	565	4
209	23	308	32	394	20	480	85	566	13
210	19	309	30	395	4	481	145	567	46
211	13	310	13	396	2	482	68	568	25
212	25	311	24	397	4	483	62	569	5
213	3	312	50	398	12	484	48	570	6
214	19	313	57	399	41	485	42	571	119
215	72	314	42	400	59	486	37	572	101
216	38	315	33	401	7	487	31	573	197
222	65	316	30	402	2	488	29	574	153
223	35	317	22	403	125	489	94	575	145
224	181	318	31	404	6	490	169	576	195
225	79	319	31	405	1	491	70	577	289
226	117	320	34	406	8	492	63	578	165
227	110	321	25	407	14	493	223	579	60
228	58	322	33	408	2	494	20	580	86
229	33	323	13	409	34	495	48	581	74
230	48	324	24	410	51	496	0	582	135
231	51	325	26	411	6	497	38	583	199
232	29	326	37	412	0	498	30	584	188
233	84	327	76	413	2	499	46	585	170
234	40	328	81	414	58	500	83	586	180
235	70	329	224	415	32	501	47	587	119
236	57	330	122	416	84	502	12	588	130
237	48	331	5	417	4	503	17	589	189
238	58	332	21	418	19	504	42	590	185
239	72	333	55	419	0	505	12	591	178
240	93	334	21	420	0	506	38	592	211
241	58	335	19	421	17	507	10	593	176
242	32	336	33	422	15	508	47	594	185
243	26	337	60	423	6	509	43	595	174
244	117	338	59	424	0	510	8	596	194
245	50	339	62	425	0	511	8	597	126
246	8	340	1	426	5	512	1	598	522
247	8	341	35	427	43	513	16	599	315
248	26	342	35	428	3	514	15	600	426
249	42	343	17	429	0	515	31	601	359
250	96	344	113	430	0	516	24	602	548
251	53	345	69	431	176	517	22	603	458
252	43	346	68	432	23	518	13	604	434
253	58	347	55	433	1	519	25	605	271
254	29	348	66	434	0	520	29	606	207
255	28	349	116	435	0	521	31	607	308
256	39	350	174	436	0	522	61	608	240
257	63	351	117	437	0	523	35	609	279
258	81	352	65	438	8	524	107	610	215
259	15	353	59	439	0	525	84	611	172
263	24	354	68	440	0	526	115	612	218
264	31	355	95	441	0	527	87	613	174
265	105	356	90	442	76	528	67	614	129
266	58	357	72	443	1	529	60	615	71
267	22	358	81	444	154	530	15	616	231
268	30	359	77	445	3	531	19	617	189
269	56	360	17	446	35	532	66	618	71
270	57	361	41	447	75	533	42	619	83
271	32	362	90	448	69	534	153	620	78
272	10	363	62	449	46	535	28	621	47
273	57	364	104	450	34	536	12	622	40
274	28	365	52	451	34	537	124	623	21
275	34	366	15	452	2	538	50	624	46
276	1	367	20	453	75	539	30	625	65
277	22	368	16	454	31	540	32	626	159
278	13	369	10	455	20	541	78	627	120
279	5	370	108	456	23	542	29	628	38
280	12	371	20	457	16	543	11	629	197
281	2	372	38	458	3	544	68	630	47
282	11	373	35	459	17	545	39	631	46
283	29	374	96	460	30	546	39	632	57
284	43	375	8	461	7	547	17	633	48
285	86	376	52	462	43	548	12	634	59
286	44	377	40	463	103	549	71	635	63
287	2	378	89	464	142	550	32	636	58
288	38	379	20	465	116	551	10	637	67
289	70	380	13	466	59	552	12	638	47
290	33	381	50	467	42	553	13	639	81
291	11	382	22	468	72	554	17	640	12
292	30	383	8	469	42	555	53	641	56
298	23	384	5	470	124	556	3	642	122

309080

MAGNETIC SUSCEPTIBILITY

MAC-033

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
643	77	729	0	815	0				
644	66	730	69	816	0				
645	63	731	4	817	0				
646	56	732	1	818	0				
647	86	733	3	819	0				
648	103	734	10	820	0				
649	132	735	19	821	0				
650	66	736	37	822	0				
651	52	737	47	823	0				
652	56	738	62	824	0				
653	66	739	3	825	0				
654	119	740	0	826	0				
655	141	741	0	827	0				
656	123	742	0	828	1				
657	43	743	0	829	0				
658	77	744	200	830	0				
659	133	745	3						
660	105	746	0						
661	106	747	1						
662	51	748	121						
663	38	749	4						
664	49	750	0						
665	44	751	0						
666	15	752	0						
667	60	753	0						
668	62	754	0						
669	94	755	0						
670	51	756	0						
671	90	757	2						
672	41	758	62						
673	25	759	31						
674	88	760	20						
675	150	761	22						
676	42	762	23						
677	40	763	13						
678	52	764	16						
679	107	765	6						
680	170	766	5						
681	96	767	3						
682	52	768	4						
683	10	769	1						
684	31	770	0						
685	111	771	0						
686	71	772	0						
687	42	773	3						
688	87	774	0						
689	83	775	2						
690	74	776	3						
691	56	777	0						
692	58	778	0						
693	25	779	7						
694	90	780	127						
695	13	781	12						
696	41	782	3						
697	13	783	57						
698	6	784	105						
699	1	785	29						
700	0	786	7						
701	75	787	2						
702	7	788	23						
703	19	789	65						
704	2	790	53						
705	0	791	2						
706	12	792	2						
707	14	793	4						
708	31	794	43						
709	4	795	8						
710	11	796	2						
711	0	797	0						
712	83	798	11						
713	11	799	63						
714	7	800	5						
715	6	801	13						
716	1	802	3						
717	138	803	0						
718	13	804	11						
719	5	805	65						
720	4	806	112						
721	60	807	6						
722	4	808	3						
723	2	809	29						
724	57	810	41						
725	1	811	11						
726	0	812	2						
727	0	813	0						
728	0	814	0						

309081

MAGNETIC SUSCEPTIBILITY

MAC-035

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
0	11	87	59	173	21	259	11	345	11
2	14	88	65	174	21	260	43	346	16
3	15	89	35	175	25	261	29	347	1
4	0	90	38	176	14	262	43	348	17
5	0	91	37	177	34	263	48	349	7
6	0	92	43	178	41	264	35	350	16
7	0	93	35	179	16	265	47	351	26
8	7	94	41	180	18	266	16	352	32
9	0	95	37	181	25	267	39	353	7
10	2	96	39	182	24	268	19	354	14
11	0	97	32	183	37	269	10	355	22
12	2	98	38	184	12	270	12	356	23
13	13	99	40	185	5	271	15	357	23
14	4	100	53	186	15	272	11	358	16
15	12	101	20	187	8	273	12	359	6
16	0	102	28	188	29	274	12	360	26
17	0	103	28	189	20	275	4	361	20
18	0	104	32	190	7	276	5	362	28
19	7	105	42	191	2	277	7	363	16
20	12	106	31	192	2	278	11	364	2
21	14	107	33	193	26	279	13	365	16
22	3	108	28	194	20	280	1	366	4
23	14	109	34	195	8	281	1	367	15
24	1	110	39	196	12	282	15	368	0
25	13	111	37	197	15	283	6	369	14
26	7	112	33	198	24	284	0	370	1
27	10	113	38	199	22	285	6	371	5
28	11	114	41	200	1	286	8	372	5
29	12	115	43	201	3	287	31	373	2
30	13	116	41	202	3	288	12	374	10
31	0	117	43	203	14	289	19	375	3
32	13	118	51	204	13	290	31	376	16
33	14	119	42	205	11	291	32	377	11
34	0	120	59	206	3	292	3	378	23
35	11	121	14	207	7	293	15	379	3
36	4	122	1	208	1	294	3	380	4
37	7	123	1	209	3	295	10	381	11
38	15	124	2	210	10	296	10	382	14
39	5	125	12	211	15	297	2	383	6
40	20	126	13	212	14	298	8	384	7
41	35	127	14	213	17	299	12	385	1
42	5	128	24	214	15	300	0	386	23
43	5	129	16	215	8	301	12	387	5
44	10	130	12	216	5	302	1	388	6
45	3	131	11	217	22	303	0	389	5
46	11	132	8	218	23	304	13	390	5
47	8	133	15	219	34	305	16	391	7
48	6	134	20	220	42	306	56	392	41
49	2	135	20	221	39	307	12	393	43
50	8	136	10	222	39	308	5	394	40
51	2	137	4	223	19	309	26	395	44
52	7	138	11	224	24	310	12	396	23
53	12	139	15	225	29	311	18	397	26
54	11	140	8	226	31	312	11	398	33
55	4	141	10	227	26	313	2	399	33
56	8	142	10	228	31	314	57	400	34
57	2	143	20	229	16	315	24	401	24
58	15	144	7	230	40	316	51	402	39
59	3	145	0	231	20	317	28	403	29
60	1	146	6	232	42	318	30	404	41
61	1	147	15	233	35	319	26	405	32
62	2	148	23	234	22	320	4	406	35
63	0	149	22	235	34	321	23	407	12
64	1	150	30	236	32	322	23	408	40
65	11	151	3	237	33	323	49	409	48
66	3	152	20	238	15	324	4	410	40
67	1	153	12	239	16	325	21	411	22
68	2	154	22	240	21	326	29	412	30
69	8	155	24	241	17	327	5	413	35
70	8	156	4	242	22	328	14	414	50
71	5	157	1	243	21	329	26	415	58
72	14	158	16	244	14	330	2	416	52
73	17	159	35	245	21	331	6	417	47
74	7	160	7	246	14	332	22	418	46
75	11	161	5	247	22	333	19	419	48
76	17	162	3	248	32	334	23	420	53
77	17	163	13	249	38	335	2	421	58
78	28	164	11	250	24	336	25	422	32
79	30	165	23	251	47	337	23	423	17
80	30	166	15	252	39	338	17	424	13
81	32	167	12	253	48	339	11	425	10
82	40	168	3	254	41	340	21	426	14
83	25	169	5	255	46	341	1	427	10
84	33	170	7	256	19	342	13	428	30
85	42	171	23	257	40	343	17	429	43
86	52	172	26	258	15	344	16	430	11

309082

MAGNETIC SUSCEPTIBILITY

MAC-035

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
431	28	517	14	603	1	689	20	775	25
432	20	518	12	604	26	690	17	776	14
433	10	519	17	605	29	691	26	777	22
434	19	520	6	606	23	692	37	778	68
435	11	521	5	607	28	693	42	779	62
436	10	522	5	608	57	694	15	780	61
437	22	523	1	609	24	695	32	781	120
438	24	524	5	610	16	696	22	782	102
439	11	525	10	611	20	697	15	783	29
440	7	526	5	612	17	698	19	784	29
441	34	527	2	613	4	699	24	785	28
442	12	528	0	614	31	700	21	786	22
443	42	529	25	615	24	701	23	787	34
444	14	530	0	616	25	702	23	788	46
445	15	531	1	617	20	703	26	789	34
446	17	532	22	618	26	704	28	790	28
447	14	533	17	619	24	705	22	791	38
448	24	534	14	620	16	706	17	792	17
449	33	535	23	621	43	707	8	793	4
450	2	536	12	622	10	708	1	794	13
451	35	537	26	623	7	709	3	795	8
452	12	538	24	624	28	710	5	796	12
453	10	539	17	625	38	711	50	797	23
454	8	540	31	626	42	712	49	798	20
455	15	541	13	627	13	713	53	799	69
456	47	542	19	628	22	714	6	800	39
457	14	543	14	629	44	715	49	801	26
458	19	544	30	630	24	716	12	802	38
459	17	545	21	631	30	717	58	803	32
460	21	546	31	632	15	718	62	804	23
461	21	547	29	633	32	719	39	805	119
462	29	548	21	634	26	720	50	806	152
463	14	549	25	635	23	721	15	807	2
464	20	550	21	636	35	722	48	808	38
465	21	551	15	637	38	723	46	809	13
466	3	552	42	638	19	724	53	810	22
467	48	553	8	639	24	725	32	811	11
468	23	554	46	640	28	726	125	812	26
469	19	555	49	641	34	727	50	813	7
470	26	556	42	642	30	728	48	814	1
471	8	557	35	643	24	729	30	815	14
472	11	558	29	644	36	730	40	816	10
473	5	559	38	645	32	731	58	817	13
474	7	560	49	646	37	732	40	818	12
475	2	561	46	647	44	733	50	819	28
476	1	562	46	648	39	734	31	820	19
477	6	563	32	649	42	735	69	821	3
478	25	564	35	650	43	736	10	822	8
479	12	565	39	651	38	737	22	823	1
480	8	566	40	652	28	738	44	824	0
481	4	567	20	653	49	739	30	825	20
482	23	568	25	654	63	740	21	826	5
483	26	569	39	655	38	741	39	827	4
484	33	570	39	656	35	742	39	828	8
485	19	571	41	657	34	743	22	829	12
486	42	572	38	658	50	744	33	830	24
487	7	573	25	659	40	745	7	831	4
488	15	574	42	660	41	746	16	832	15
489	15	575	32	661	35	747	15	833	8
490	33	576	58	662	38	748	2	834	2
491	32	577	48	663	38	749	1	835	5
492	29	578	40	664	40	750	3	836	3
493	43	579	34	665	43	751	12	837	0
494	33	580	35	666	49	752	30	838	3
495	57	581	17	667	19	753	11	839	1
496	63	582	17	668	16	754	15	840	1
497	46	583	16	669	3	755	15	841	3
498	21	584	12	670	5	756	4	842	13
499	56	585	17	671	19	757	10	843	2
500	66	586	12	672	4	758	26	844	1
501	74	587	16	673	4	759	6	845	10
502	66	588	11	674	7	760	12	846	22
503	72	589	12	675	6	761	6	847	4
504	13	590	6	676	11	762	1	848	4
505	14	591	12	677	13	763	14	849	30
506	16	592	10	678	25	764	4	850	23
507	17	593	16	679	14	765	6	851	26
508	8	594	15	680	14	766	1	852	33
509	13	595	11	681	34	767	4	853	31
510	2	596	14	682	35	768	5	854	19
511	19	597	0	683	14	769	21	855	15
512	12	598	0	684	21	770	15	856	48
513	7	599	31	685	12	771	33	857	50
514	14	600	43	686	24	772	22	858	48
515	4	601	7	687	33	773	33	859	28
516	6	602	6	688	34	774	28	860	60

309083

MAGNETIC SUSCEPTIBILITY

MAC-035

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
861	53	947	14	1033	189	1119	50		
862	63	948	28	1034	114	1120	51		
863	16	949	19	1035	158	1121	44		
864	13	950	30	1036	650	1122	49		
865	11	951	6	1037	160	1123	92		
866	15	952	15	1038	159	1124	84		
867	32	953	26	1039	74	1125	190		
868	22	954	0	1040	63	1126	124		
869	7	955	3	1041	78	1127	120		
870	16	956	40	1042	3	1128	84		
871	13	957	0	1043	39	1129	123		
872	14	958	7	1044	13	1130	102		
873	13	959	2	1045	10	1131	76		
874	5	960	8	1046	47	1132	111		
875	14	961	15	1047	19	1133	74		
876	14	962	3	1048	39	1134	114		
877	16	963	0	1049	22	1135	79		
878	1	964	5	1050	37	1136	61		
879	13	965	22	1051	41	1137	34		
880	4	966	22	1052	12	1138	72		
881	25	967	28	1053	11	1139	58		
882	12	968	52	1054	58	1140	48		
883	17	969	30	1055	12	1141	59		
884	28	970	55	1056	6	1142	57		
885	130	971	4	1057	28	1143	42		
886	132	972	43	1058	2	1144	50		
887	23	973	26	1059	13	1145	56		
888	23	974	22	1060	21	1146	38		
889	34	975	65	1061	52	1147	59		
890	28	976	36	1062	21	1148	31		
891	34	977	86	1063	35	1149	43		
892	7	978	39	1064	11	1150	52		
893	7	979	50	1065	17	1151	52		
894	19	980	68	1066	16	1152	28		
895	41	981	30	1067	20	1153	30		
896	63	982	19	1068	81	1154	41		
897	22	983	46	1069	50	1155	34		
898	14	984	33	1070	55	1156	13		
899	12	985	53	1071	780	1157	11		
900	31	986	39	1072	432	1158	43		
901	13	987	8	1073	34	1159	53		
902	15	988	44	1074	10	1160	25		
903	15	989	51	1075	46	1161	77		
904	10	990	69	1076	14	1162	86		
905	0	991	23	1077	63	1163	59		
906	34	992	33	1078	29	1164	65		
907	19	993	40	1079	0	1165	37		
908	4	994	47	1080	3	1166	53		
909	23	995	74	1081	6	1167	16		
910	69	996	21	1082	11	1168	23		
911	74	997	93	1083	26	1169	19		
912	67	998	23	1084	41	1170	20		
913	47	999	12	1085	6	1171	16		
914	7	1000	34	1086	1	1172	26		
915	1	1001	51	1087	14	1173	20		
916	28	1002	76	1088	111	1174	15		
917	4	1003	84	1089	29	1175	49		
918	0	1004	29	1090	23	1176	21		
919	12	1005	63	1091	22	1177	15		
920	3	1006	48	1092	0	1178	20		
921	14	1007	86	1093	8	1179	63		
922	35	1008	121	1094	17	1180	3		
923	42	1009	81	1095	5	1181	12		
924	31	1010	44	1096	31	1182	39		
925	2	1011	43	1097	10	1183	71		
926	12	1012	40	1098	23	1184	158		
927	15	1013	14	1099	8	1185	408		
928	0	1014	26	1100	12	1186	152		
929	30	1015	34	1101	0	1187	32		
930	5	1016	70	1102	0	1188	2		
931	6	1017	55	1103	22	1189	0		
932	48	1018	81	1104	0				
933	15	1019	83	1105	3				
934	34	1020	59	1106	23				
935	16	1021	55	1107	38				
936	92	1022	65	1108	80				
937	26	1023	65	1109	61				
938	10	1024	70	1110	101				
939	21	1025	64	1111	71				
940	10	1026	51	1112	58				
941	35	1027	35	1113	88				
942	20	1028	41	1114	99				
943	30	1029	50	1115	156				
944	20	1030	260	1116	119				
945	11	1031	52	1117	138				
946	7	1032	66	1118	57				

309084

MAGNETIC SUSCEPTIBILITY

MAC-036

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
1	77	87	40	173	42	259	900	345	153
2	17	88	29	174	55	260	67	346	51
3	24	89	29	175	46	261	76	347	33
4	44	90	20	176	98	262	132	348	60
5	66	91	56	177	15	263	349	349	103
6	214	92	5	178	56	264	68	350	58
7	115	93	32	179	47	265	514	351	63
8	211	94	26	180	185	266	14	352	34
9	98	95	42	181	659	267	72	353	58
10	124	96	25	182	453	268	5	354	69
11	61	97	48	183	125	269	21	355	57
12	43	98	115	184	43	270	17	356	72
13	30	99	32	185	52	271	11	357	90
14	7	100	63	186	58	272	40	358	70
15	58	101	44	187	59	273	49	359	71
16	20	102	44	188	79	274	31	360	81
17	38	103	50	189	523	275	33	361	69
18	13	104	37	190	529	276	40	362	130
19	13	105	13	191	88	277	63	363	42
20	49	106	25	192	37	278	30	364	84
21	33	107	39	193	61	279	35	365	96
22	37	108	33	194	26	280	49	366	44
23	13	109	15	195	53	281	61	367	43
24	21	110	58	196	51	282	99	368	60
25	32	111	75	197	38	283	92	369	85
26	39	112	59	198	42	284	23	370	90
27	39	113	52	199	31	285	20	371	71
28	43	114	32	200	21	286	47	372	79
29	32	115	33	201	76	287	99	373	89
30	23	116	32	202	88	288	83	374	68
31	21	117	34	203	185	289	95	375	135
32	30	118	86	204	316	290	124	376	119
33	7	119	90	205	239	291	84	377	31
34	10	120	83	206	74	292	107	378	50
35	15	121	55	207	41	293	85	379	68
36	56	122	24	208	10	294	79	380	113
37	30	123	13	209	67	295	68	381	34
38	22	124	179	210	102	296	11	382	79
39	12	125	12	211	43	297	11	383	79
40	22	126	50	212	37	298	47	384	81
41	32	127	33	213	34	299	243	385	77
42	14	128	49	214	95	300	286	386	52
43	8	129	75	215	119	301	284	387	63
44	30	130	29	216	112	302	286	388	50
45	25	131	4	217	15	303	287	389	138
46	30	132	25	218	86	304	180	390	63
47	20	133	19	219	30	305	120	391	59
48	31	134	66	220	17	306	150	392	78
49	20	135	59	221	19	307	135	393	69
50	25	136	17	222	35	308	121	394	55
51	3	137	24	223	3	309	143	395	85
52	23	138	30	224	38	310	125	396	117
53	11	139	81	225	4	311	134	397	129
54	13	140	21	226	19	312	137	398	111
55	31	141	25	227	46	313	115	399	153
56	37	142	24	228	536	314	116	400	123
57	47	143	17	229	488	315	49	401	326
58	30	144	42	230	52	316	111	402	95
59	17	145	30	231	812	317	62	403	94
60	47	146	30	232	670	318	70	404	86
61	19	147	74	233	6	319	76	405	129
62	26	148	30	234	58	320	80	406	127
63	17	149	2	235	30	321	84	407	78
64	26	150	38	236	38	322	72	408	77
65	24	151	169	237	57	323	97	409	11
66	7	152	268	238	37	324	71	410	114
67	26	153	172	239	51	325	68	411	57
68	22	154	158	240	29	326	93	412	55
69	13	155	253	241	14	327	87	413	121
70	32	156	119	242	197	328	78	414	56
71	31	157	102	243	504	329	75	415	30
72	30	158	253	244	209	330	71	416	80
73	14	159	282	245	30	331	61	417	48
74	13	160	44	246	234	332	61	418	57
75	16	161	48	247	77	333	134	419	56
76	20	162	117	248	76	334	68	420	77
77	22	163	38	249	88	335	66	421	38
78	29	164	53	250	295	336	79	422	101
79	17	165	35	251	357	337	72	423	56
80	55	166	47	252	41	338	74	424	19
81	47	167	69	253	204	339	56	425	50
82	33	168	40	254	446	340	66	426	175
83	57	169	32	255	189	341	69	427	340
84	8	170	28	256	33	342	69	428	48
85	17	171	35	257	138	343	115	429	48
86	62	172	88	258	23	344	113	430	59

MAGNETIC SUSCEPTIBILITY

MAC-036

309085

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
431	78	517	66	603	29	689	79	775	60
432	46	518	82	604	52	690	75	776	3
433	6	519	46	605	77	691	7	777	3
434	41	520	35	606	20	692	49	778	30
435	51	521	37	607	1	693	6	779	70
436	60	522	19	608	12	694	10	780	43
437	57	523	52	609	34	695	34	781	53
438	70	524	37	610	26	696	77	782	25
439	68	525	42	611	28	697	25	783	7
440	78	526	51	612	41	698	68	784	22
441	63	527	25	613	8	699	133	785	35
442	58	528	72	614	28	700	60	786	4
443	46	529	68	615	34	701	13	787	6
444	56	530	72	616	16	702	2	788	24
445	37	531	59	617	2	703	19	789	11
446	31	532	55	618	4	704	14	790	127
447	35	533	83	619	3	705	11	791	39
448	52	534	42	620	30	706	19	792	19
449	58	535	90	621	105	707	14	793	22
450	53	536	35	622	77	708	2	794	78
451	59	537	15	623	11	709	35	795	148
452	50	538	33	624	5	710	37	796	97
453	50	539	40	625	16	711	29	797	4
454	33	540	63	626	48	712	17	798	1
455	33	541	46	627	57	713	5	799	1
456	68	542	57	628	46	714	22	800	37
457	80	543	10	629	35	715	14	801	28
458	50	544	47	630	10	716	71	802	20
459	50	545	42	631	65	717	35	803	11
460	41	546	78	632	42	718	34	804	6
461	60	547	465	633	17	719	51	805	46
462	35	548	35	634	20	720	14	806	69
463	62	549	59	635	25	721	2	807	56
464	53	550	14	636	15	722	57	808	8
465	148	551	107	637	17	723	85	809	71
466	239	552	59	638	8	724	49	810	14
467	34	553	29	639	20	725	34	811	8
468	38	554	76	640	38	726	36	812	13
469	62	555	26	641	17	727	56	813	6
470	42	556	31	642	2	728	29	814	67
471	49	557	11	643	21	729	43		
472	20	558	22	644	28	730	39		
473	31	559	31	645	15	731	40		
474	51	560	14	646	6	732	10		
475	20	561	22	647	22	733	4		
476	30	562	12	648	13	734	1		
477	28	563	8	649	6	735	40		
478	65	564	24	650	32	736	41		
479	99	565	104	651	37	737	47		
480	79	566	58	652	53	738	53		
481	76	567	69	653	2	739	32		
482	34	568	55	654	0	740	12		
483	22	569	22	655	3	741	34		
484	40	570	87	656	10	742	14		
485	29	571	56	657	6	743	39		
486	41	572	34	658	21	744	59		
487	72	573	35	659	7	745	11		
488	68	574	81	660	11	746	29		
489	108	575	115	661	17	747	21		
490	98	576	167	662	15	748	0		
491	38	577	30	663	26	749	0		
492	43	578	28	664	3	750	0		
493	156	579	55	665	2	751	40		
494	63	580	50	666	19	752	29		
495	50	581	23	667	48	753	24		
496	39	582	4	668	38	754	7		
497	89	583	1	669	34	755	4		
498	61	584	51	670	24	756	40		
499	72	585	24	671	5	757	143		
500	59	586	17	672	392	758	23		
501	21	587	43	673	235	759	32		
502	38	588	20	674	51	760	13		
503	22	589	11	675	12	761	34		
504	52	590	24	676	11	762	19		
505	88	591	34	677	50	763	19		
506	31	592	16	678	56	764	21		
507	43	593	17	679	124	765	11		
508	35	594	21	680	43	766	0		
509	70	595	17	681	104	767	20		
510	90	596	71	682	85	768	34		
511	78	597	19	683	125	769	25		
512	48	598	7	684	84	770	25		
513	165	599	32	685	205	771	13		
514	33	600	57	686	116	772	24		
515	58	601	31	687	53	773	48		
516	85	602	28	688	50	774	35		

MAGNETIC SUSCEPTIBILITY

309086

MAC-037

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
2	10	88	35	174	16	260	12	346	16
3	6	89	61	175	47	261	11	347	18
4	16	90	59	176	12	262	26	348	20
5	14	91	76	177	23	263	45	349	4
6	6	92	51	178	29	264	21	350	15
7	2	93	63	179	19	265	48	351	18
8	11	94	78	180	19	266	32	352	6
9	3	95	53	181	29	267	53	353	8
10	14	96	58	182	23	268	46	354	11
11	35	97	66	183	49	269	35	355	115
12	23	98	52	184	33	270	41	356	104
13	15	99	72	185	32	271	62	357	59
14	11	100	65	186	15	272	78	358	53
15	20	101	81	187	3	273	57	359	120
16	10	102	66	188	69	274	53	360	93
17	16	103	96	189	26	275	76	361	104
18	3	104	60	190	61	276	31	362	87
19	0	105	94	191	61	277	5	363	84
20	8	106	96	192	29	278	59	364	86
21	7	107	77	193	85	279	60	365	90
22	11	108	60	194	60	280	53	366	97
23	10	109	79	195	13	281	29	367	115
24	13	110	196	196	14	282	71	368	161
25	16	111	65	197	11	283	76	369	94
26	8	112	65	198	48	284	98	370	132
27	12	113	83	199	44	285	41	371	149
28	15	114	28	200	59	286	70	372	150
29	16	115	154	201	59	287	50	373	142
30	8	116	182	202	62	288	31	374	145
31	15	117	52	203	84	289	2	375	133
32	12	118	181	204	15	290	16	376	129
33	11	119	171	205	59	291	60	377	117
34	2	120	168	206	44	292	2	378	112
35	3	121	149	207	50	293	23	379	124
36	1	122	150	208	49	294	12	380	63
37	21	123	166	209	56	295	14	381	132
38	23	124	126	210	61	296	3	382	108
39	25	125	177	211	63	297	5	383	108
40	5	126	125	212	59	298	11	384	135
41	14	127	159	213	48	299	12	385	126
42	4	128	188	214	55	300	11	386	117
43	31	129	167	215	60	301	1	387	126
44	7	130	165	216	66	302	0	388	113
45	11	131	216	217	76	303	20	389	135
46	8	132	167	218	62	304	14	390	129
47	14	133	178	219	60	305	30	391	174
48	1	134	179	220	61	306	2	392	133
49	0	135	172	221	61	307	1	393	166
50	2	136	178	222	59	308	25	394	149
51	1	137	163	223	66	309	12	395	142
52	14	138	166	224	65	310	12	396	136
53	14	139	182	225	62	311	4	397	71
54	5	140	60	226	50	312	11	398	48
55	1	141	37	227	62	313	33	399	69
56	0	142	20	228	59	314	4	400	61
57	50	143	13	229	72	315	7	401	115
58	25	144	28	230	55	316	15	402	85
59	31	145	87	231	66	317	7	403	75
60	42	146	43	232	42	318	6	404	53
61	52	147	32	233	38	319	25	405	41
62	33	148	6	234	47	320	7	406	52
63	49	149	1	235	39	321	4	407	84
64	61	150	67	236	66	322	8	408	21
65	53	151	44	237	62	323	0	409	59
66	57	152	12	238	63	324	22	410	68
67	71	153	13	239	65	325	15	411	53
68	67	154	81	240	53	326	23	412	79
69	43	155	39	241	61	327	33	413	57
70	60	156	61	242	47	328	0	414	65
71	52	157	55	243	63	329	31	415	68
72	72	158	14	244	55	330	14	416	40
73	66	159	32	245	49	331	26	417	41
74	16	160	143	246	55	332	2	418	24
75	41	161	49	247	31	333	5	419	50
76	59	162	50	248	28	334	34	420	57
77	42	163	15	249	46	335	39	421	77
78	60	164	13	250	37	336	35	422	23
79	57	165	32	251	51	337	39	423	42
80	47	166	26	252	47	338	10	424	34
81	47	167	48	253	76	339	14	425	83
82	51	168	55	254	89	340	17	426	65
83	26	169	34	255	44	341	12	427	46
84	52	170	34	256	40	342	12	428	58
85	61	171	42	257	48	343	12	429	63
86	14	172	37	258	52	344	29	430	24
87	68	173	53	259	12	345	32	431	44

MAGNETIC SUSCEPTIBILITY

309087

MAC-037

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
432	65	518	17	604	81	690	81	776	42
433	43	519	8	605	28	691	86	777	51
434	74	520	37	606	15	692	96	778	32
435	70	521	7	607	69	693	99	779	98
436	50	522	13	608	55	694	84	780	40
437	74	523	21	609	111	695	78	781	15
438	21	524	11	610	33	696	90	782	62
439	8	525	22	611	8	697	279	783	57
440	51	526	5	612	65	698	157	784	15
441	74	527	15	613	67	699	198	785	32
442	29	528	21	614	38	700	89	786	32
443	7	529	10	615	26	701	67	787	102
444	16	530	0	616	70	702	133	788	104
445	15	531	14	617	76	703	78	789	150
446	13	532	3	618	46	704	32	790	141
447	11	533	19	619	23	705	76	791	99
448	24	534	53	620	50	706	68	792	143
449	15	535	12	621	34	707	111	793	127
450	20	536	15	622	42	708	81	794	114
451	15	537	41	623	20	709	83	795	133
452	7	538	2	624	58	710	49	796	246
453	1	539	25	625	55	711	32	797	56
454	6	540	35	626	13	712	88	798	80
455	11	541	13	627	14	713	68	799	99
456	5	542	26	628	16	714	56	800	113
457	7	543	44	629	88	715	23	801	123
458	12	544	7	630	98	716	56	802	126
459	7	545	43	631	55	717	33	803	94
460	12	546	4	632	25	718	41	804	60
461	7	547	17	633	65	719	77	805	46
462	89	548	113	634	169	720	84	806	92
463	81	549	85	635	150	721	122	807	81
464	125	550	137	636	140	722	43	808	125
465	58	551	70	637	122	723	57	809	206
466	55	552	150	638	315	724	74	810	113
467	67	553	151	639	105	725	117	811	108
468	140	554	66	640	129	726	90	812	92
469	71	555	135	641	126	727	87	813	61
470	78	556	70	642	196	728	130	814	163
471	87	557	83	643	107	729	76	815	110
472	175	558	93	644	111	730	101	816	103
473	65	559	99	645	120	731	95	817	138
474	101	560	113	646	84	732	158	818	119
475	108	561	83	647	51	733	55	819	106
476	102	562	72	648	78	734	95	820	88
477	16	563	55	649	68	735	101	821	84
478	35	564	86	650	70	736	108	822	89
479	40	565	97	651	78	737	31	823	87
480	50	566	107	652	116	738	58	824	90
481	34	567	124	653	53	739	47	825	149
482	8	568	52	654	85	740	41	826	79
483	0	569	70	655	101	741	8	827	89
484	0	570	60	656	139	742	30	828	138
485	6	571	102	657	84	743	25	829	157
486	22	572	205	658	71	744	42	830	152
487	15	573	212	659	86	745	17	831	160
488	13	574	230	660	98	746	22	832	200
489	14	575	71	661	108	747	75	833	133
490	1	576	81	662	113	748	65	834	214
491	6	577	62	663	37	749	66	835	113
492	4	578	97	664	66	750	123		
493	8	579	107	665	102	751	72		
494	14	580	84	666	102	752	89		
495	3	581	97	667	126	753	38		
496	7	582	72	668	86	754	59		
497	23	583	86	669	65	755	16		
498	3	584	102	670	93	756	13		
499	25	585	76	671	166	757	13		
500	0	586	13	672	138	758	66		
501	28	587	34	673	103	759	83		
502	10	588	32	674	103	760	83		
503	32	589	46	675	102	761	77		
504	25	590	44	676	56	762	31		
505	0	591	77	677	96	763	44		
506	7	592	38	678	143	764	59		
507	11	593	70	679	79	765	92		
508	29	594	19	680	95	766	167		
509	55	595	68	681	103	767	32		
510	30	596	13	682	86	768	58		
511	16	597	11	683	84	769	61		
512	13	598	32	684	84	770	85		
513	13	599	71	685	81	771	95		
514	50	600	83	686	107	772	37		
515	47	601	81	687	155	773	52		
516	44	602	47	688	103	774	30		
517	35	603	125	689	67	775	53		

MAGNETIC SUSCEPTIBILITY

MAC-040

309088

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
1	3	87	34	173	24	259	113	345	10
2	3	88	8	174	22	260	127	346	0
3	5	89	85	175	23	261	95	347	16
4	4	90	34	176	51	262	83	348	0
5	2	91	46	177	70	263	62	349	32
6	6	92	20	178	44	264	79	350	1
7	3	93	69	179	43	265	39	351	25
8	38	94	70	180	34	266	32	352	13
9	36	95	90	181	58	267	38	353	7
10	13	96	38	182	2	268	10	354	16
11	5	97	32	183	38	269	10	355	2
12	12	98	57	184	20	270	11	356	0
13	11	99	60	185	63	271	8	357	2
14	4	100	15	186	37	272	0	358	1
15	14	101	11	187	47	273	0	359	3
16	3	102	6	188	22	274	12	360	0
17	1	103	1	189	44	275	5	361	0
18	66	104	28	190	59	276	7	362	2
19	43	105	21	191	59	277	7	363	10
20	29	106	17	192	24	278	11	364	14
21	5	107	17	193	79	279	0	365	8
22	10	108	11	194	42	280	0	366	0
23	11	109	8	195	55	281	12	367	0
24	28	110	20	196	33	282	21	368	14
25	37	111	25	197	56	283	16	369	1
26	34	112	92	198	0	284	1	370	0
27	14	113	57	199	112	285	14	371	0
28	24	114	26	200	113	286	2	372	7
29	2	115	2	201	135	287	24	373	14
30	6	116	56	202	110	288	1	374	14
31	53	117	17	203	134	289	0	375	2
32	37	118	77	204	162	290	56	376	0
33	28	119	13	205	38	291	12	377	106
34	13	120	20	206	264	292	13	378	2
35	11	121	78	207	60	293	0	379	224
36	71	122	33	208	97	294	0	380	77
37	15	123	10	209	151	295	12	381	66
38	16	124	2	210	89	296	14	382	21
39	47	125	0	211	60	297	0	383	3
40	39	126	55	212	76	298	42	384	87
41	22	127	46	213	77	299	12	385	28
42	13	128	30	214	12	300	0	386	19
43	79	129	10	215	61	301	2	387	78
44	77	130	15	216	106	302	17	388	35
45	12	131	129	217	107	303	30	389	53
46	19	132	41	218	77	304	15	390	16
47	20	133	29	219	96	305	2	391	1
48	113	134	44	220	81	306	0	392	0
49	87	135	37	221	60	307	13	393	14
50	48	136	23	222	51	308	172	394	12
51	41	137	22	223	95	309	14	395	0
52	31	138	25	224	111	310	20	396	10
53	71	139	0	225	84	311	0	397	4
54	122	140	8	226	83	312	0	398	32
55	57	141	24	227	110	313	0	399	240
56	10	142	22	228	70	314	0	400	120
57	83	143	83	229	122	315	0	401	13
58	47	144	22	230	102	316	32	402	3
59	85	145	37	231	80	317	0	403	15
60	24	146	19	232	71	318	0	404	6
61	59	147	20	233	69	319	0	405	5
62	42	148	24	234	123	320	35	406	8
63	31	149	31	235	22	321	14	407	0
64	28	150	46	236	60	322	15	408	0
65	44	151	58	237	56	323	2	409	72
66	29	152	59	238	103	324	2	410	10
67	31	153	75	239	114	325	5	411	7
68	48	154	14	240	84	326	13	412	25
69	32	155	15	241	241	327	8	413	3
70	21	156	12	242	63	328	7	414	22
71	131	157	19	243	57	329	15	415	5
72	65	158	8	244	63	330	1	416	0
73	26	159	56	245	52	331	0	417	11
74	40	160	14	246	160	332	12	418	11
75	30	161	47	247	125	333	10	419	1
76	49	162	24	248	74	334	0	420	33
77	43	163	7	249	81	335	14	421	2
78	42	164	12	250	62	336	4	422	0
79	81	165	33	251	22	337	26	423	0
80	44	166	62	252	29	338	65	424	0
81	40	167	60	253	76	339	6	425	16
82	62	168	35	254	102	340	30	426	38
83	157	169	28	255	77	341	51	427	8
84	259	170	48	256	62	342	20	428	1
85	46	171	110	257	70	343	0	429	0
86	34	172	48	258	57	344	26	430	21

309089

MAGNETIC SUSCEPTIBILITY

MAC-040

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
431	10	517	0	603	12	689	42	775	86
432	5	518	0	604	16	690	41	776	56
433	1	519	0	605	3	691	70	777	50
434	0	520	0	606	32	692	40	778	61
435	0	521	0	607	10	693	24	779	28
436	28	522	13	608	7	694	75	780	49
437	6	523	25	609	37	695	52	781	47
438	13	524	26	610	26	696	63	782	53
439	1	525	4	611	37	697	23	783	38
440	0	526	5	612	2	698	29	784	37
441	0	527	42	613	0	699	26	785	17
442	0	528	147	614	0	700	35	786	50
443	2	529	3	615	8	701	15	787	47
444	7	530	0	616	7	702	20	788	50
445	15	531	10	617	23	703	10	789	66
446	7	532	55	618	4	704	37	790	66
447	0	533	35	619	0	705	28	791	75
448	15	534	41	620	51	706	25	792	29
449	8	535	10	621	81	707	33	793	5
450	1	536	22	622	13	708	24	794	0
451	0	537	8	623	2	709	21	795	2
452	61	538	20	624	1	710	3	796	4
453	12	539	43	625	11	711	11	797	10
454	2	540	39	626	10	712	57	798	12
455	0	541	3	627	15	713	24	799	12
456	4	542	0	628	7	714	38	800	1
457	1	543	94	629	7	715	96	801	59
458	13	544	61	630	0	716	19	802	22
459	3	545	6	631	19	717	33	803	37
460	10	546	11	632	14	718	31	804	160
461	1	547	8	633	15	719	34	805	20
462	0	548	16	634	2	720	41	806	0
463	53	549	1	635	62	721	28	807	69
464	3	550	0	636	0	722	17	808	93
465	4	551	60	637	12	723	24	809	12
466	0	552	2	638	13	724	59	810	16
467	0	553	0	639	16	725	24	811	2
468	13	554	37	640	14	726	17	812	56
469	1	555	15	641	24	727	2	813	39
470	2	556	0	642	106	728	14	814	134
471	0	557	3	643	69	729	48	815	0
472	0	558	30	644	24	730	55	816	0
473	0	559	13	645	60	731	43	817	10
474	0	560	10	646	13	732	10	818	2
475	0	561	11	647	48	733	12	819	33
476	1	562	5	648	19	734	68	820	93
477	13	563	0	649	75	735	6	821	13
478	4	564	26	650	5	736	3	822	7
479	6	565	5	651	1	737	52	823	74
480	0	566	7	652	126	738	26	824	21
481	43	567	5	653	134	739	38	825	12
482	4	568	0	654	23	740	10	826	0
483	2	569	15	655	14	741	11	827	0
484	0	570	1	656	25	742	122	828	52
485	6	571	0	657	12	743	26	829	151
486	1	572	40	658	107	744	48	830	70
487	0	573	5	659	97	745	97	831	5
488	5	574	1	660	10	746	39	832	26
489	50	575	33	661	14	747	69	833	7
490	3	576	32	662	25	748	34	834	30
491	0	577	59	663	29	749	37	835	87
492	21	578	10	664	22	750	31	836	0
493	1	579	3	665	22	751	56	837	0
494	158	580	12	666	3	752	40	838	0
495	2	581	56	667	135	753	55	839	81
496	2	582	2	668	70	754	65	840	20
497	6	583	4	669	22	755	74	841	1
498	12	584	2	670	5	756	116	842	10
499	2	585	2	671	38	757	59	843	2
500	0	586	0	672	13	758	76	844	19
501	0	587	0	673	66	759	25	845	8
502	29	588	59	674	99	760	28	846	5
503	1	589	16	675	32	761	10	847	46
504	0	590	11	676	32	762	12	848	31
505	0	591	50	677	11	763	14	849	10
506	0	592	52	678	31	764	84	850	1
507	86	593	53	679	21	765	115	851	0
508	29	594	51	680	39	766	168	852	15
509	32	595	80	681	41	767	66	853	59
510	3	596	11	682	25	768	12	854	15
511	0	597	15	683	59	769	139	855	15
512	56	598	32	684	31	770	107	856	39
513	72	599	10	685	15	771	248	857	94
514	1	600	56	686	16	772	31	858	2
515	5	601	162	687	20	773	16	859	0
516	11	602	1	688	3	774	10	860	0

309090

MAGNETIC SUSCEPTIBILITY

MAC-040

DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)	DEPTH (m)	MAGSUS (SI)
861	0	947	60	1033	1	1119	12		
862	4	948	110	1034	0	1120	13		
863	1	949	24	1035	0	1121	17		
864	0	950	29	1036	0	1122	60		
865	0	951	239	1037	57	1123	48		
866	0	952	20	1038	11	1124	16		
867	7	953	3	1039	10	1125	15		
868	51	954	1	1040	1	1126	14		
869	6	955	122	1041	0	1127	23		
870	0	956	11	1042	0	1128	13		
871	15	957	0	1043	33	1129	4		
872	8	958	49	1044	0	1130	85		
873	0	959	4	1045	0	1131	53		
874	0	960	3	1046	0	1132	13		
875	0	961	40	1047	0	1133	19		
876	0	962	3	1048	11	1134	71		
877	0	963	0	1049	2	1135	6		
878	0	964	0	1050	0	1136	5		
879	0	965	0	1051	0	1137	80		
880	0	966	0	1052	0	1138	5		
881	0	967	11	1053	0	1139	32		
882	11	968	2	1054	0	1140	38		
883	0	969	22	1055	0	1141	37		
884	0	970	5	1056	7	1142	59		
885	0	971	1	1057	0	1143	92		
886	0	972	6	1058	0	1144	60		
887	7	973	1	1059	0	1145	13		
888	0	974	47	1060	0	1146	0		
889	0	975	4	1061	0	1147	15		
890	0	976	0	1062	0	1148	7		
891	0	977	1	1063	0	1149	48		
892	0	978	0	1064	15	1150	8		
893	0	979	0	1065	1	1151	1		
894	13	980	30	1066	5	1152	15		
895	12	981	4	1067	21	1153	8		
896	0	982	1	1068	2	1154	21		
897	15	983	74	1069	1	1155	57		
898	2	984	6	1070	0	1156	2		
899	0	985	0	1071	0	1157	2		
900	12	986	31	1072	0	1158	21		
901	0	987	20	1073	0	1159	14		
902	0	988	0	1074	0	1160	10		
903	4	989	0	1075	0	1161	31		
904	17	990	24	1076	57	1162	3		
905	15	991	0	1077	4	1163	0		
906	21	992	13	1078	11	1164	0		
907	1	993	1	1079	10	1165	8		
908	2	994	0	1080	0	1166	4		
909	11	995	0	1081	0	1167	1		
910	2	996	7	1082	7	1168	7		
911	96	997	11	1083	0				
912	10	998	12	1084	0				
913	3	999	8	1085	0				
914	0	1000	14	1086	0				
915	0	1001	1	1087	0				
916	0	1002	0	1088	28				
917	3	1003	11	1089	0				
918	13	1004	13	1090	0				
919	10	1005	0	1091	0				
920	17	1006	0	1092	7				
921	5	1007	0	1093	0				
922	28	1008	0	1094	0				
923	2	1009	14	1095	0				
924	0	1010	0	1096	0				
925	39	1011	0	1097	0				
926	4	1012	0	1098	14				
927	15	1013	0	1099	3				
928	231	1014	0	1100	10				
929	19	1015	11	1101	10				
930	19	1016	0	1102	39				
931	10	1017	0	1103	14				
932	1	1018	0	1104	10				
933	2	1019	0	1105	25				
934	0	1020	0	1106	3				
935	0	1021	0	1107	2				
936	33	1022	23	1108	13				
937	4	1023	2	1109	35				
938	2	1024	0	1110	101				
939	42	1025	1	1111	123				
940	2	1026	2	1112	12				
941	8	1027	0	1113	44				
942	0	1028	0	1114	43				
943	97	1029	8	1115	50				
944	7	1030	0	1116	92				
945	1	1031	0	1117	15				
946	10	1032	0	1118	3				

309091

APPENDIX V

309092

AGSO

AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

AGSO RECORD 1996/xx

ABERFOYLE (HELLYER MINE) SEISMIC SURVEY 1995: OPERATIONAL REPORT

by

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A JOINT RESEARCH PROJECT BETWEEN ABERFOYLE RESOURCES LTD.
AND
THE AUSTRALIAN GEOLOGICAL SURVEY ORGANISATION

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309094

CONTENTS

EXECUTIVE SUMMARY

1. INTRODUCTION
    1.1 Background 1
    1.2 Previous geophysical investigations 1
    1.3 Location 1

2. FIELD OPERATIONS

    2.1 General 1
    2.2 Reconnaissance 3
    2.3 Environmental Management Plan 3
    2.4 Communications 3
    2.5 Line Clearing 3
    2.6 Surveying 4
    2.7 Field Safety 4
    2.8 Drilling and Explosives 4
        2.8.1 Drilling
        2.8.2 Explosives
    2.9 Seismic Recording 5
        2.9.1 Conventional SEG-D
        2.9.2 Eavesdropping on the Sercel
    2.10 Data Processing 6
        2.10.1 In Field 'Vista'
        2.10.2 Head Office 'Disco/Focus'

3. PRELIMINARY RESULTS 11

4. ACKNOWLEDGMENTS ?

5. REFERENCES ?

APPENDICES

1. Operational Statistics and Timetable. ?
2. Seismic Survey Personnel. ?
3. Seismic Survey Vehicles. ?
4. Recording System. ?
5. Line Recording Spread Parameters ?
6. Seismic Field Tape Index ?
7. Station, Shotpoint and Permanent marker locations ?

(continued over page)

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309095

FIGURES

1.	Location map, seismic line 95AGS-AB2, Hellyer Mine	2
2.	CMP stack line 95AGS-AB2A	8
3.	CMP stack line 95AGS-AB2B	9
4.	CMP stack line 95AGS-AB	10

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309096

EXECUTIVE SUMMARY

The Australian Geological Survey Organisation (AGSO) and Aberfoyle Resources Ltd. conducted a Seismic Research Project in April of 1995. The project was instigated to acquire seismic reflection data in the vicinity of the Hellyer Mine, Tasmania. The data acquired would complement existing geophysical work and together with the well known geological data give an improved understanding of the local geological features at depth.

The seismic survey obtained 3.0 km of 10 fold CMP reflection seismic data along a traverse to the north of the Hellyer ore body. AGSO's contribution consisted of the use of the SERCEL SN368 acquisition system and data processing, whilst Aberfoyle contributed surveying and environmental costs. Operational costs for this project ($36,800) were shared by both organisations.

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1. INTRODUCTION

1.1 Background

The Australian Geological Survey Organisation (AGSO) acquired 3.0 km of seismic reflection data in a joint research program with Aberfoyle Resources Ltd. The survey area was within the Mineral exploration area of Hellyer Mine, north-west Tasmania. The survey was conducted in mid-April of 1995. AGSO had previously demonstrated the use of the seismic reflection method, line 95AGS-AB, to image geological features in this mineralised zone while acquiring seismic data as part of the 'TASGO' project (Barton, et al, 1995).

1.2 Previous Seismic Investigations

Two previous seismic reflection surveys have been carried out at the Hellyer Orebody, one as a test case survey in 1986 (Read, 1986) and the other an Exploration survey (Read, 1989). The test survey successfully detected the Hellyer Orebody while the exploration survey did not completely achieve it's goals.

1.3 Location

The 1995 AGSO/Aberfoyle seismic line, named 95AGS-AB2, was positioned on existing roads within the mining lease of Hellyer Mine, north-west, Tasmania. Fig. 1 shows the locality of the line and other 'TASGO' seismic lines in the area. To the north of the Cradle Mountain Link Road the traverse followed the Murrays Plain Road while to the south it was positioned along Murrays West Road. The traverse intersected the Hellyer Mine Access Road at station 1255 and the railway line at station 1262. Stations 1152 to 1175 were through a mine rehabilitation area with no vehicle access available thus no drilling was done between these stations and acquisition equipment was walked in.

Crooked line processing of the data, not available in the field, was essential because of the aspect of the traverse. Noise contamination of the seismic records was at times unavoidable. This noise derived from traffic, both on the roads and on the mining lease, trains travelling on the railway line, 50 Hz from power lines and industrial noise from the nearby mine mill operations.

2. FIELD OPERATIONS

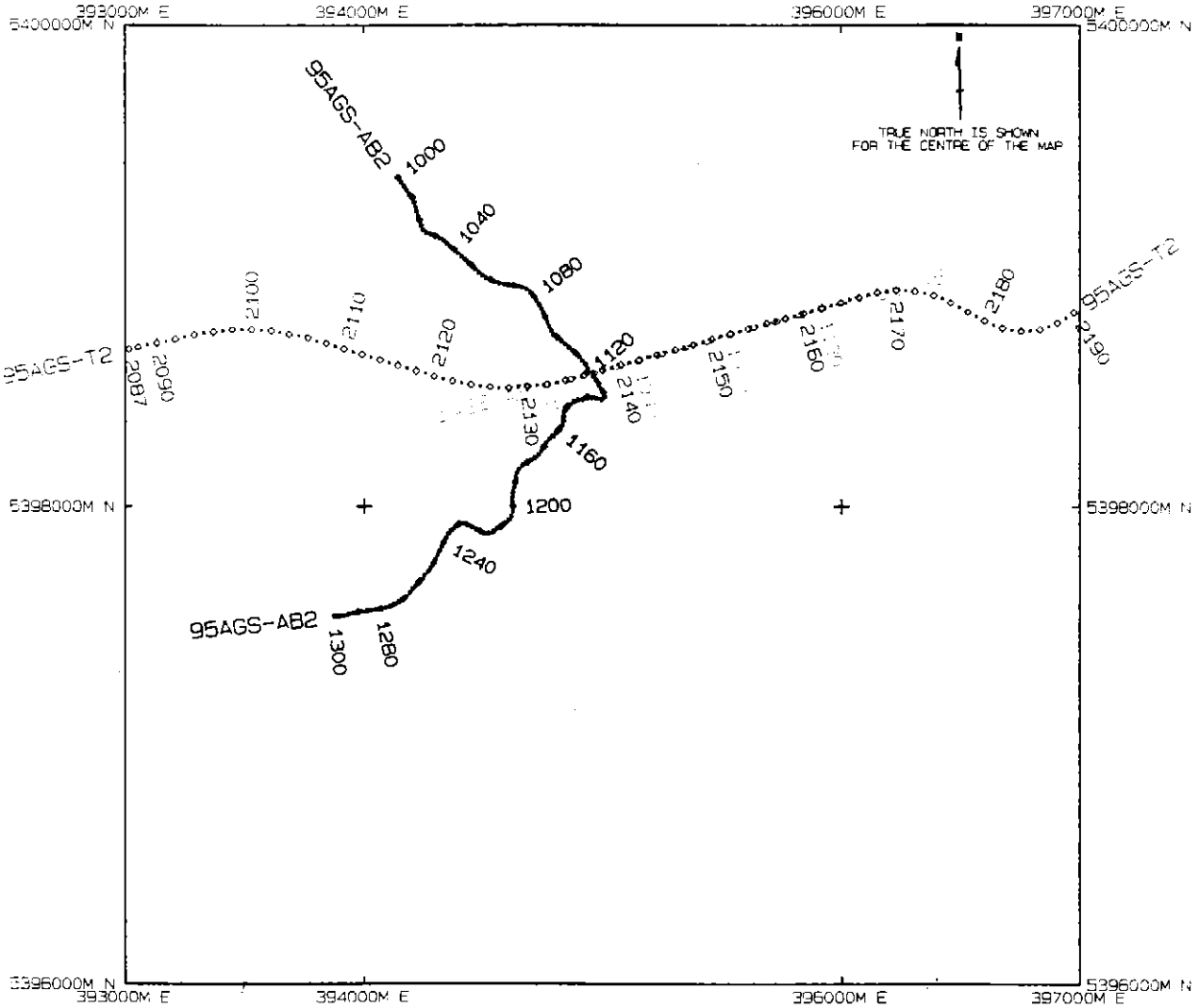
2.1 General

One 10 fold CMP seismic reflection profile (line 95AGS-AB2) was recorded over a 3.0 km traverse. The data acquisition recording parameters were: 10 m station spacing, 20 m geophone group interval and 60 m shot hole interval drilled to 5.0 m with a 2 kg charge size. Recording was conducted in April 1995. Operational details are given in Appendix 1 .

The line was surveyed by surveyors appointed by Aberfoyle Resources Ltd. Surveying was tied into the intersecting lines of the TASGO survey, lines 95AGS-T2 and 95AGS-AB.

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309098



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Aberfoyle Resources Limited

FIGURE 1

User : djohnsto File : px27378.djt Date : October 12, 1995

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Figure 1. Location map, seismic line 95AGS-AB2, Hellyer Mine

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Shot hole drilling for line was done under contract by Maxfield Nominees of Devonport, Tasmania.

Seismic recording was done using AGSO's SERCEL SN368 acquisition system.

The town of Tullah was used as a base for the seismic and drilling crews with all personnel involved staying at the Tullah Lakeside Chalet. In addition office facilities and phone lines were set up at the Chalet to manage operations and carry out preliminary data processing and quality control.

Personnel on the survey are listed in Appendix 2 and vehicles used in Appendix 3.

2.2 Reconnaissance

A feasibility study of a potential location for the seismic line was carried out by Tim Barton (AGSO), Steve Richardson (Aberfoyle) and Andrew McNeill (Aberfoyle) in mid March 1995. The objective was to identify a logistically feasible seismic traverse around the mine site which would identify whether the structural setting of the Helleyer orebody extended to the north. Constraints in line placement included the requirement to not carry out any line clearing, minimise environmental impact and not interfere with mine operations whilst the work was being carried out.

2.3 Environmental Management Plan

As part of the planning process of the seismic survey, and to comply with State regulations for conducting seismic surveys, an environmental management plan was formulated for the main TASGO survey. This was also used for this line. In addition local requirements imposed due to the work being on an active mining lease were also observed.

2.4 Communications

As this work was conducted at the completion of the TASGO project the same communications infrastructure was used. This consisted of a field office at the Tullah Lakeside Chalet with two telephone lines to provide voice and fax communication. Two PC's in the office, one for clerical/scientific and administrative tasks, the other for project management use. In-field data processing and quality control functions were carried out in this complex using additional computing equipment.

Field communication was via UHF and VHF radios. Whilst working on the mine lease area UHF channel 23, the mine safety channel, was monitored by the seismic observer to notify the mine safety and emergency personnel of any accidents.

2.5 Line Clearing

Due to environmental restrictions and compliance with the Mines Inspection Act the line was placed along existing roads and tracks to minimise any environmental impact of the work. Through areas under rehabilitation no vehicle access was undertaken with acquisition

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equipment being carried in by hand. No drilling was conducted in these areas under revegetation.

2.6 Surveying

Chaining and pegging of the line was done by AGSO staff. Surveying of the seismic lines was performed by the mine surveyors at Hellyer Mine. Station location information is given in Appendix 4.

2.7 Field Safety

Due to the nature of the terrain and the requirement to perform most of the work whilst on roads and mine tracks special procedures were required to ensure the safety of personnel. All vehicles working on the line were fitted with rotating yellow beacons, crew members wore reflective vests and were instructed on safe working practices in this environment.

All staff attended an 'Aberfoyle General Site Induction' course and had to pass a written questionnaire before commencing work on the mining lease.

Staff were instructed on specific emergency procedures applicable whilst on the mine site and were made aware of the UHF channels used on the site.

No incidents or accidents occurred during the course of this work.

2.8 Drilling and Explosives

2.8.1 Drilling

Drilling of all shot holes was contracted to Maxfield Nominees Pty. Ltd. of 5 Melrose St., East Devonport, Tasmania. Work on line 95AGS-AB2 began on 8th April, 1995 and was completed on 10th April, 1995. Maxfield used an Atlas Copco 712H drilling rig for all shot holes. A trailer mounted compressor was towed behind a light vehicle which was also their support vehicle. The drilling was conducted by one driller and one offsider.

The drill rig was transported to and from Hellyer mine on a low loader supplied by Holloway Transport of Devonport. The low loader was also used to move the drill rig around railway lines on the mine site.

Maxfield drilled 50 shot holes at an average of 5.0 metres depth. Their total drilling meterage was 250 metres at an average cost of $22.48 per metre. The cost was approximately $17.58 per metre without low loader costs. Their production rate on average was 10.87 metres per hour.

Maxfield staff were also accommodated at the Tullah Lakeside Chalet.

Traffic control and supervision for drilling operations was done by AGSO staff.

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2.8.2 Explosives

2 kg plugs of ICI 'Powergel' explosive was used as the seismic energy source. This was selected as the best size to meet the project objectives.

Explosives and detonators were stored at the ICI magazine at the old Que River Mine. Explosives were collected on a daily basis and unused quantities returned at the end of each days work.

Holes were solid tamped with road metal and/or cuttings produced by the drilling when available.

2.9 Seismic Recording

153 station units were available for the survey. Strings of geophones, 16 to a group, were laid out in line over a 20 m distance, centred on the station. As the total line length was only 300 stations moveup was done after roll-along had reached full fold and continued up to station 1300.

A 50 Hz notch filter was not used in the acquisition phase as this noise was present on only part of the line and was not at saturation levels. It was considered that attenuation of the 50 Hz power line interference was more appropriate in the processing phase.

Spread and recording parameters are given in Appendix 5.

The charge size and spread parameters used were designed to produce a 'medium' resolution survey to image depths up to 6 km with a 5 m CMP interval. This also provided the additional benefit of tying the line into the intersecting TASGO line (95AGS-T2) to improve the detail of this area of interest within the regional tectonic framework

Wooden survey marker pegs used for the line were left in place to allow for the surveying to be done a later date.

2.9.1 Conventional SEG-D

The Sercel SN368 telemetry seismic acquisition system was operated in 120 channel configuration for the survey. Four auxiliary channels were also recorded with channel 1 being the uphole, the other three being empty. The SEG-D recordings were on 0.5 inch 9 track "Graham" brand magnetic tapes at 6250 bpi in GCR format. The tapes were 1200 feet long and have a capacity of twenty-four 20 second shot records at 2 ms sampling rate. The first record on each tape was a 20 second internal sine wave test and a second 'eof' mark was placed at the end of each tape. A 'cap' test was also performed at the commencement of each day and recorded on tape.

Following is a summary of SN368 acquisition faults:

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TAPE NUMBER	FFID	ERROR
95/041	851	Tape parity
95/041	857	Synchro (line)
	860	Tape parity
95/042	886	Tape synchro
	890	Tape parity
95/043	897	Tape parity

2.9.2 Eavesdropping on the SERCEL

An eavesdropping system was trialed for the first time in production mode during the TASGO survey and was again used for this survey.

Essentially the system captures a copy of the SEG-D data as it is written to tape by the Sercel system and demultiplexes the data into SEG-Y files on disc which are later written to Exabyte tape.

A description of the eavesdropping system is given by Barton, et. al. (1995).

2.10 Data Processing

2.10.1 In field 'Vista'

The 'Vista' field seismic processing system was used on the seismic survey for quality control and to produce 'brute stacks' in the field. QC was done by reading in the SEG-Y eavesdropper tapes, concatenating the separate SEG-Y files and writing these out to exabyte tape in SEG-Y 32 bit IBM floating point format. The odd short or missing file was de-multiplexed from the SEG-D field tape on Vista and incorporated with the other data.

Uphole signals, recorded on auxiliary trace number 1, were demultiplexed separately and written onto exabyte tape. These were also concatenated and analysed on the Vista and uphole time arrivals computed.

Geometry information was taken from the SEG-Y headers, stacking velocities calculated from constant velocity analysis and datum statics applied to produce a 'brute' stack (straight line geometry assumed).

First breaks were also picked in the field using 'Green Mountain Geophysics' software to compute refraction statics, but were not applied to the field processed data as crooked line geometry was not available at this point.

Field QC also included the checking of shot geometry from the monitor records and observers reports. Loading, drilling and shot firing logs were also cross checked for correctness in the field.

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2.10.2 Head office 'Disco/Focus'

Survey information provided by Aberfoyle was checked using the 'Green Mountain Geophysics' software on the elevation profiles and x, y plots.

Full processed sections of the seismic line were produced in-house at AGSO for 1.5 and 6 seconds two-way-time. 'Cogniseis' software was used for the data processing using both batch mode 'Disco' and interactive mode 'Focus' software packages. These programs were run on an IBM machine under a 'Unix' operating system.

Crooked line processing was undertaken for the line, the cmp (common mid-point) locations for binning being calculated from geometry distribution plots. The cmp binning window used was 30 metres. Constant velocity analysis was undertaken on cmp stacked data, concentrating on the top three seconds.

Due to the geometry of the line it is presented in two parts, 95AGS-AB2A and 95AGS-AB2B, figures 2 and 3 show the top two seconds of data (V:H 2:1 @ 4 km/s). Line 95AGS-AB2A is for the station range 1000 to 1135 and 95AGS-AB2B is for the station range 1135 to 1300. In addition an intersecting line, 95AGS-AB, shot during the TASGO survey using the same aquisition pararameters is shown in figure 4 at the same scale. The line tie is at station 1020 (cmp 2040) on 95AGS-AB and 1120 (cmp2240) on 95AGS-AB2.

The processing stream used was:

1. Crooked line geometry definition
2. Field SEG-Y to 'Disco' format
3. Resample to 4 milliseconds
4. Quality control display
5. Crooked line binning (30 m)
6. Spherical divergence and gain correction
7. Statics computation (first break analysis, datum 670 m)
8. Spectral equalisation
9. First break edits
10. Shot and trace edits
11. CMP sort
12. First break statics application
14. Velocity analysis (cvs)
15. Normal moveout correction
16. Common mid-point stack
17. Post stack balance.
18. Post stack linear frequency domain signal enhancement (fxdecon)
19. Signal enhancement (digistack)
20. Time variant bandpass filter
21. Time variant AGC (gate length 250 ms)
22. Display

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309105

Figure 2. Processed section, Line 95AGS-AB2A, Hellyer Mine, 2 sec twt

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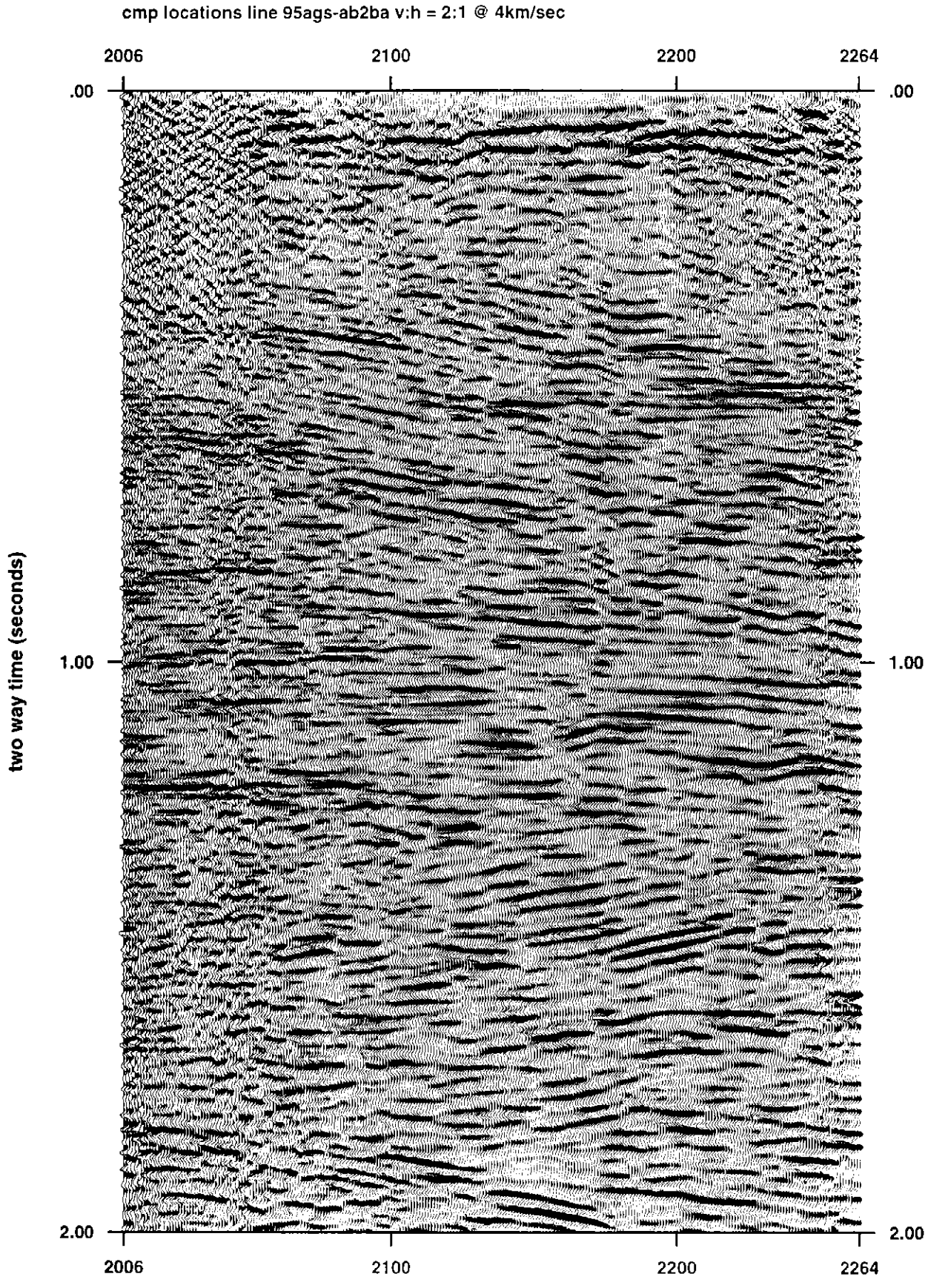

cmp locations line 95ags-ab2ba v:h = 2:1 @ 4km/sec
2006
2100
2200
2264
.00
1.00
2.00
two way time (seconds)
two way time (seconds)

FIGURE 2

309107

Figure 3. Processed section, Line 95AGS-AB2B, Hellyer Mine, 2 sec twt

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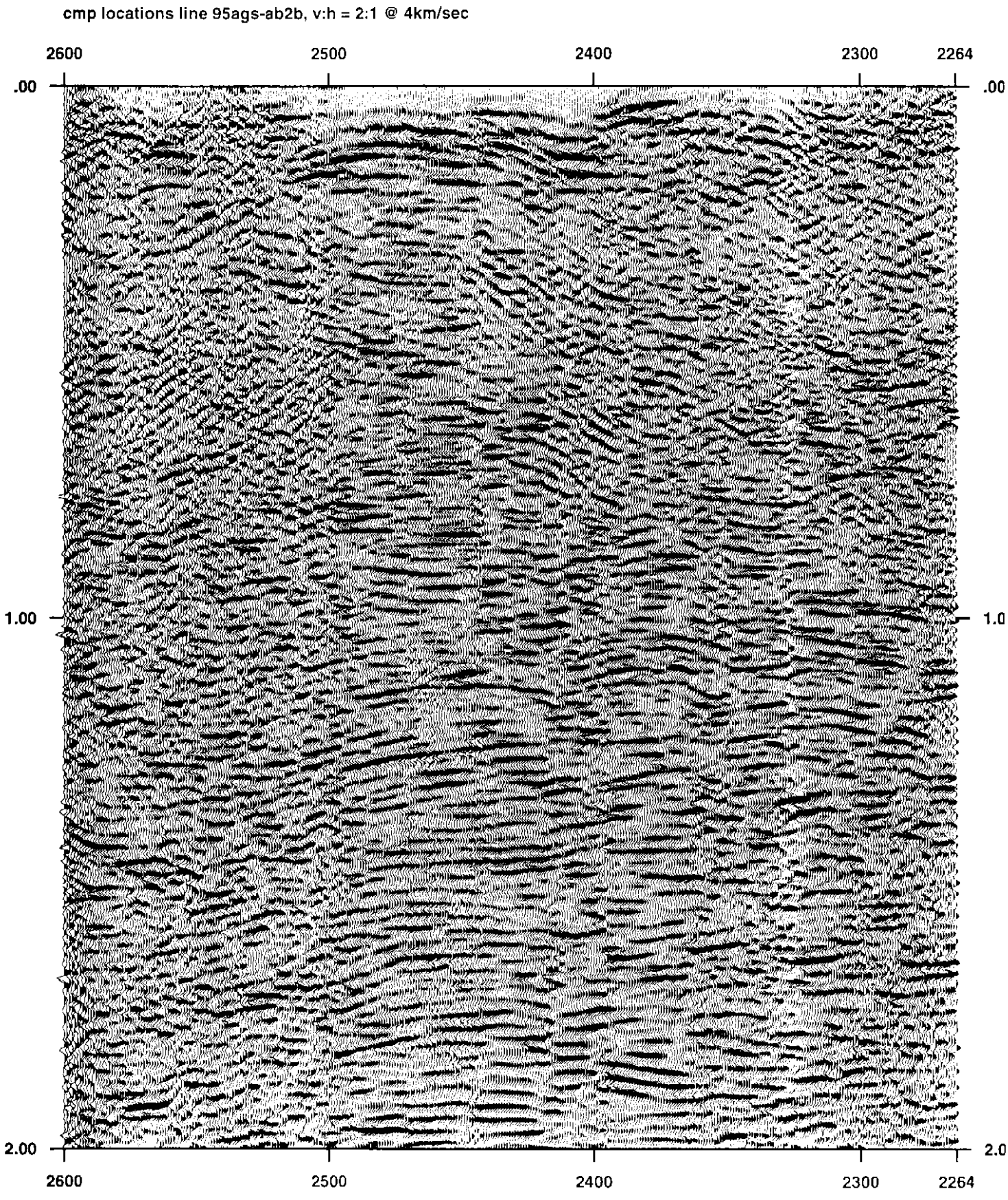

cmp locations line 95ags-ab2b, v:h = 2:1 @ 4km/sec
2600
2500
2400
2300
2264
.00
1.00
2.00
two way time (seconds)

FIGURE 3

Figure 4. Processed section, Line 95AGS-AB, Cradle Mtn. Link Road, 2 sec twt

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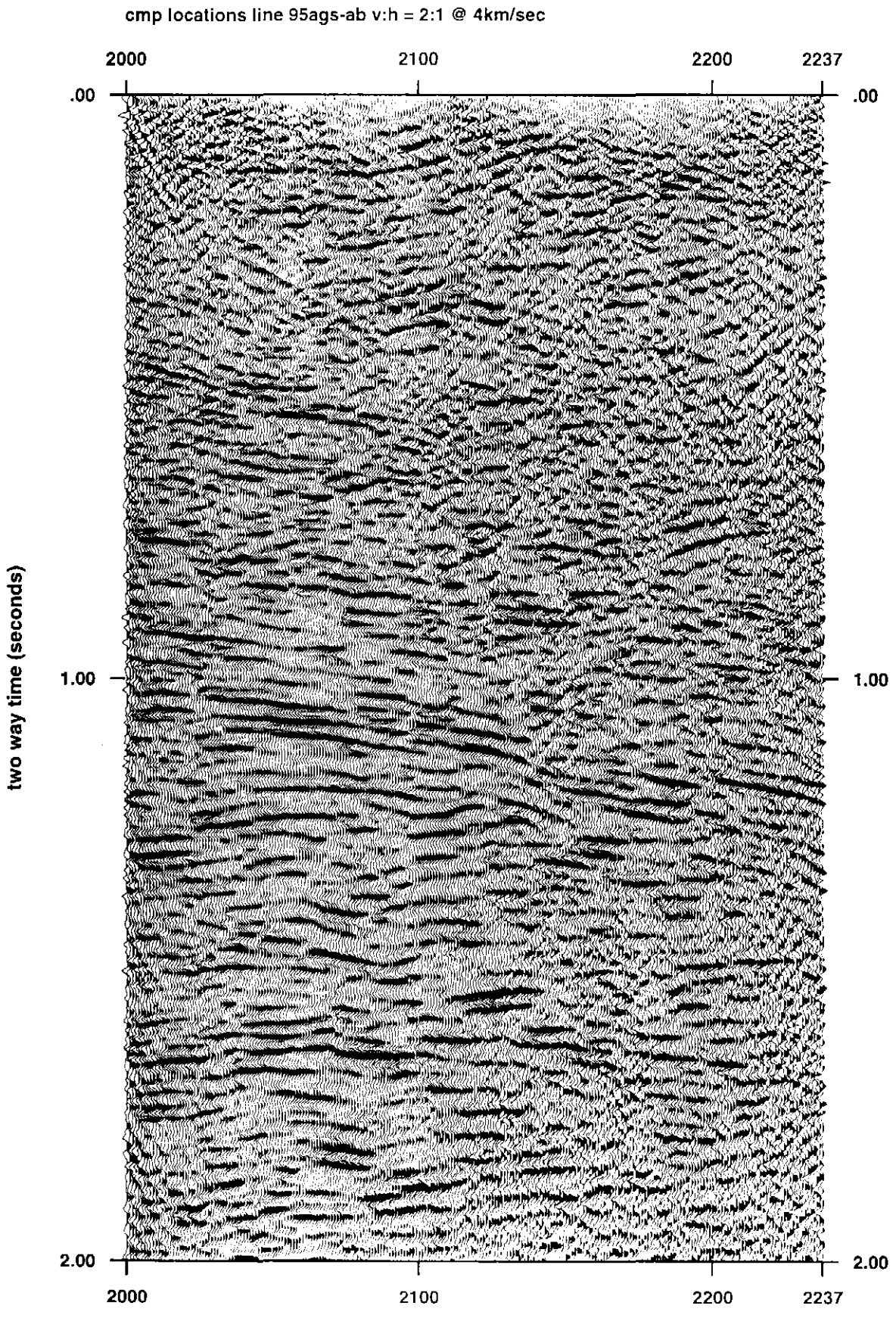

cmp locations line 95ags-ab v:h = 2:1 @ 4km/sec
2000
2100
2200
2237
.00
1.00
2.00
two way time (seconds)
two way time (seconds)

FIGURE 4

3. PRELIMINARY RESULTS

Seismic reflection data collected on this and ajoining lines contain a number of well resolved events in the Cambrian Que-Hellyer volcanic sequence.

4. ACKNOWLEDGMENTS

The authors acknowledge the contributions and efforts made by all members of the 1995 seismic survey team. The co-operation and assistance from the exploration division of Aberfoyle Hellyer Mine and the Tasmanian Geological Survey are appreciated. In particular the following organisations and people should be recognised.

Survey Design
T. Barton, K. Wake-Dyster (AGSO), J. Silic (Aberfoyle).

Survey Crew
T. Barton (scientific party leader) D. Johnstone, K. Wake-Dyster (operations manager), B. Devenish (quality control and technology expert) A. Crawford (mechanical technician), J. Whatman, S. Thomas (technical officers), S. Pardalis, A. Takken (explosives), A. Cherry, R Fisher, D. Keast, P. Kebblewhite, S. Nulsen (field hands) all AGSO; R Richardson (TGS).
Aberfoyle Resources Ltd.
S. Richardson, A. McNeill, J. Silic, Hellyer Mine management and security.

Field Office Rental
H. and J. Turnbull (Tullah Lakeside Chalet).

Surveying Contractor

Drilling Contractor
M. Maxfield, Maxfield Nominees Pty. Ltd.

Supply of Low Loader
Holloway Transport, Devonport.

Explosives Storage
ICI Hellyer Mine.

Data Processing
T. Barton, D. Johnstone, A. Owen (AGSO).

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READ, J.J. 1986. Shallow seismic reflection survey : Hellyer orebody. Unpub. Hons. Thesis, University of Tasmania.

READ, J.J. 1989. Seismic reflection investigations of the Hellyer orebody and Que - Hellyer volcanics, North West Tasmania. Exploration Geophysics, Vol 20 1/2, 7th Geophysical Conference and Exhibition Abstracts, pp159-162.

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BARTON T. J., JOHNSTONE D.W. AND RICHARDSON, R.G. 1995. Tasgo seismic survey 1995: Operational report. Australian Geological Survey Organisation, Record 1995/72.

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309113

APPENDIX 1

Operational Statistics and Timetable

Line pegging commenced	8/04/1995
Contract drilling commenced	8/04/1995
Contract drilling completed	10/04/1995
Recording crew commenced acquisition	12/04/1995
Recording completed	13/04/1995

Recording:

Total number of recording hours worked	10
Hours to lay down spread	4
Hours to pick up spread	4
CMP fold	10
Total number of shots	46
Average number of production shots/recording hour	4.6
Explosives used	96 kg
Detonators used	48
Average charge/production shot	2 kg

Drilling:

MAXFIELD

Number of drilling rigs	1
Total number of rig hours worked	23
Shot holes:	
Total number of shot holes	50
Total metres drilled	250
Average depth/shot hole	5.0

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APPENDIX 2

Seismic Survey Personnel

Australian Geological Survey Organisation:

Project Leader:	T. Barton
Seismic Field Party Leader/Geophysicist	D. W. Johnstone
Aberfoyle Geophysicist	J. Silic
Aberfoyle Geologists	S. Richardson
	A. McNeill
Tasmanian Geological Survey, Geophysicist	R. G. Richardson
Engineer	B. Devenish
Technical Officers (Engineering):	J. Whatman
	S. Thomas
	A. Crawford
Contract Drillers:	D. Woods (Maxfield)
Contract Assistant Drillers:	R. Dransfield (Maxfield)
Field Assistants: (Explosives)	A. Takken
	S. Pardalis
Temporary Personnel:	A. Cherry
	R. Fisher
	D. Keast
	P. Kebblewhite
	S. Nulsen
Surveying:	Hellyer Mine surveyors

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309115

APPENDIX 3

Seismic Survey Vehicles

Recording:

Recording truck	Mercedes 911 4X4	ZBE-748
Workshop/electronics truck	Mercedes 911 4X4	ZBE-689
Cable/stores truck	Mercedes 911 4X4	ZBE-687
Geophone carrier	Toyota Landcruiser 4X4 T/Top	ZRM-016
Geophone carrier	Toyota Landcruiser 4X4 T/Top	ZRM-017
Geophone carrier	Toyota Landcruiser 4X4 T/Top	ZRM-018
Geophone carrier	Toyota Landcruiser 4X4 T/Top	ZRM-020
Shooting truck	Toyota Landcruiser 4X4 T/Top	ZRM-019
Personnel carrier	Toyota troop carrier, 4X4	ZJE-152
Reconnaissance vehicle	Toyota Landcruiser 4X4 S/W	ZJE-129

Drilling:

Drilling rig	Maxfield	
Preloading truck	Toyota Landcruiser, 4X4, T/Top	ZJE-055
Stores/preloader truck	Toyota Landcruiser, 4X4, T/Top	ZJE-015

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309116

APPENDIX 4

Recording System

Seismic System	Sercel SN368, S/No. 17
Geophones	8 Hz GSC20D, 16 in-line per string
Eavesdropper System	AGSO Interface to 486 DX2/66 PC with LINUX O/S
Blaster	OYO Model 1340
Camera	OYO DFM-480
Station Unit Test & Repair System	Prosol TRS-2
Field Processing System	Seismic Image Software (Calgary, Canada) VISTA package run on a 386 PC system

Sercel SN368 acquisition settings :

Recording mode	Digital
Data format(s)	Sercel Multiplexed SEG-D (9 track) PC 32 bit I.E.E.E. SEG-Y (exabyte)
Tape(s)	9 track, 6250 bpi GCR, 0.5 inch, 1200 ft, 8.5 inch reel 5 Gb 8505 exabyte (compressed data format)
Number of input channels:	
Data	120
Auxiliary	4
Record length	20 seconds
Sample rate	2 ms
Input filters:	
50 Hz Notch filter	Out
Low-cut	8 Hz @ 18db/Oct
Anti-alias Hi-cut	178 Hz @ 72db/Oct
Pre-Amp Gain	7**2

Monitor Record Playback Parameters:	
Low-cut	12 Hz
Hi-cut	90 Hz
Slope	18 ms
Seis Monitor Gain	42 db
Output Adjust	4 db
Gain Curve	1
Release Time	10 ms
Compression Delay	8 ms
Early Gain	36 db
AGC	1
Recovery Delay	32 ms

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309117

APPENDIX 5

Line recording spread parameters

Line 95AGS-AB2

Active spread length	1190 m
Spread Type	Roll on/off & Split Spread
Number of channels	120
Station interval	10 m
Geophone group interval	20 m
Number geophones/trace	16
Geophone spacing	1.33 m
Geophone pattern	in-line over 20 m
Shotpoint interval (nominal)	60 m
Hole depth (nominal)	5 m
Charge size	2 kg
CMP fold (nominal)	10
Line orientation	North - South (High SP numbers South, Trace 1 to the North)
Line length	3.00 km
First Geophone station	1000
Last Geophone station	1300
First Shotpoint	1006
Last shotpoint	1300

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APPENDIX 6

SEISMIC FIELD TAPE INDEX

SEG-D (9 track)

Tape No.	Line	Shot points	Recording Dates	Record Mode	Survey
95041	95AGS-AB2	1006-1138	22/02/95-22/02/95	6250 bpi GCR	TASGO 1995
95042	95AGS-AB2	1144-1288	22/02/95-22/02/95	6250 bpi GCR	TASGO 1995
95043	95AGS-AB2	1294-1300	22/02/95-22/02/95	6250 bpi GCR	TASGO 1995

SEISMIC FIELD TAPE INDEX

SEG-Y (I.E.E.E. 32 bit, 5 Gb compressed, exabyte)

Tape No.	FFID Range	Record Mode	Survey
EV95T34	828 - 883	UNIX 'TAR' (Exabyte)	TASGO 1995
EV95T35	884 - 899	UNIX 'TAR' (Exabyte)	TASGO 1995

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309119

APPENDIX 7

STATION, SHOTPOINT AND PERMANENT MARKER LOCATIONS

GEOPHONE STATIONS

	Traverse: 95AGS-AB2		File Name:GS95AB2.XLS		Date:April, 1995.
Station Number	Elev. (m)	Easting (m)	Northing (m)	Latitude (dec. deg)	Longitude (dec. deg)
1000	726.87	394143.7	5399365	-41.5502	145.7307
1001	726.70	394150.3	5399358	-41.5503	145.7308
1002	726.47	394155.9	5399350	-41.5504	145.7309
1003	726.50	394161.9	5399342	-41.5504	145.7309
1004	726.61	394167.7	5399333	-41.5505	145.7310
1005	726.77	394173.5	5399325	-41.5506	145.7311
1006	726.87	394179.6	5399317	-41.5507	145.7312
1007	727.02	394185.5	5399309	-41.5507	145.7312
1008	727.10	394191.2	5399301	-41.5508	145.7313
1009	727.14	394196.5	5399293	-41.5509	145.7314
1010	727.16	394202.3	5399285	-41.5510	145.7314
1011	727.00	394207.1	5399276	-41.5510	145.7315
1012	726.66	394211.1	5399267	-41.5511	145.7315
1013	726.23	394214.5	5399257	-41.5512	145.7316
1014	725.58	394217.4	5399248	-41.5513	145.7316
1015	724.99	394219.9	5399238	-41.5514	145.7316
1016	724.31	394222.0	5399228	-41.5515	145.7316
1017	723.62	394224.5	5399219	-41.5516	145.7317
1018	722.96	394227.7	5399209	-41.5516	145.7317
1019	722.20	394230.5	5399200	-41.5517	145.7317
1020	721.46	394233.2	5399190	-41.5518	145.7318
1021	720.73	394236.0	5399180	-41.5519	145.7318
1022	720.07	394239.2	5399171	-41.5520	145.7318
1023	719.43	394242.8	5399162	-41.5521	145.7319
1024	718.79	394247.6	5399153	-41.5522	145.7319
1025	718.17	394254.2	5399145	-41.5522	145.7320
1026	717.50	394262.9	5399139	-41.5523	145.7321
1027	716.99	394271.2	5399135	-41.5523	145.7322
1028	716.34	394281.1	5399132	-41.5524	145.7323
1029	715.68	394290.4	5399128	-41.5524	145.7324
1030	715.03	394299.7	5399125	-41.5524	145.7326
1031	714.32	394309.3	5399121	-41.5525	145.7327
1032	713.64	394318.5	5399118	-41.5525	145.7328
1033	713.14	394327.3	5399113	-41.5525	145.7329
1034	713.28	394335.4	5399107	-41.5526	145.7330
1035	713.75	394342.9	5399101	-41.5526	145.7331
1036	714.41	394350.8	5399094	-41.5527	145.7332
1037	715.18	394357.6	5399088	-41.5528	145.7332
1038	716.02	394365.1	5399081	-41.5528	145.7333
1039	716.48	394372.4	5399074	-41.5529	145.7334
1040	716.56	394380.0	5399068	-41.5529	145.7335
1041	716.56	394387.8	5399061	-41.5530	145.7336
1042	716.30	394395.0	5399055	-41.5531	145.7337
1043	715.92	394402.3	5399048	-41.5531	145.7338
1044	715.57	394409.9	5399041	-41.5532	145.7339
1045	715.30	394417.3	5399034	-41.5532	145.7340
1046	715.02	394424.5	5399028	-41.5533	145.7340

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1047	714.77	394431.9	5399021	-41.5534	145.7341
1048	714.50	394438.7	5399014	-41.5534	145.7342
1049	714.17	394446.2	5399007	-41.5535	145.7343
1050	713.74	394453.5	5399000	-41.5536	145.7344
1051	713.33	394460.5	5398993	-41.5536	145.7345
1052	713.10	394467.9	5398987	-41.5537	145.7346
1053	712.70	394474.9	5398979	-41.5538	145.7346
1054	712.57	394482.8	5398972	-41.5538	145.7347
1055	712.29	394489.6	5398966	-41.5539	145.7348
1056	712.24	394497.7	5398960	-41.5539	145.7349
1057	712.37	394506.1	5398954	-41.5540	145.7350
1058	712.51	394514.2	5398949	-41.5540	145.7351
1059	712.76	394523.8	5398945	-41.5541	145.7352
1060	712.96	394532.9	5398941	-41.5541	145.7353
1061	712.92	394542.2	5398937	-41.5541	145.7354
1062	712.70	394551.3	5398933	-41.5542	145.7355
1063	712.62	394560.8	5398930	-41.5542	145.7357
1064	712.09	394570.3	5398926	-41.5542	145.7358
1065	711.57	394579.9	5398924	-41.5543	145.7359
1066	710.90	394591.0	5398921	-41.5543	145.7360
1067	710.30	394599.4	5398920	-41.5543	145.7361
1068	709.47	394609.4	5398919	-41.5543	145.7362
1069	708.68	394619.2	5398918	-41.5543	145.7364
1070	707.98	394629.1	5398917	-41.5543	145.7365
1071	707.27	394639.0	5398916	-41.5543	145.7366
1072	706.85	394648.9	5398914	-41.5544	145.7367
1073	706.17	394658.6	5398912	-41.5544	145.7368
1074	705.40	394668.1	5398909	-41.5544	145.7369
1075	704.84	394677.2	5398905	-41.5544	145.7370
1076	704.41	394685.6	5398900	-41.5545	145.7371
1077	703.97	394693.6	5398894	-41.5545	145.7372
1078	703.76	394701.5	5398887	-41.5546	145.7373
1079	703.52	394707.8	5398880	-41.5547	145.7374
1080	703.29	394714.0	5398872	-41.5547	145.7375
1081	703.07	394719.9	5398864	-41.5548	145.7376
1082	702.95	394725.6	5398856	-41.5549	145.7376
1083	703.03	394730.9	5398848	-41.5550	145.7377
1084	703.06	394736.2	5398839	-41.5550	145.7377
1085	703.06	394741.1	5398830	-41.5551	145.7378
1086	702.91	394745.8	5398822	-41.5552	145.7379
1087	702.60	394749.3	5398813	-41.5553	145.7379
1088	702.30	394754.1	5398804	-41.5554	145.7380
1089	701.88	394757.7	5398795	-41.5554	145.7380
1090	701.61	394762.3	5398786	-41.5555	145.7380
1091	701.29	394766.8	5398776	-41.5556	145.7381
1092	700.96	394770.6	5398767	-41.5557	145.7381
1093	700.58	394774.5	5398758	-41.5558	145.7382
1094	700.27	394778.3	5398749	-41.5559	145.7382
1095	700.09	394782.5	5398740	-41.5560	145.7383
1096	699.98	394786.3	5398730	-41.5560	145.7383
1097	699.98	394791.3	5398721	-41.5561	145.7384
1098	700.06	394797.6	5398714	-41.5562	145.7385
1099	700.02	394805.4	5398706	-41.5563	145.7385
1100	699.91	394813.1	5398700	-41.5563	145.7386
1101	699.63	394820.3	5398694	-41.5564	145:7387
1102	699.20	394829.3	5398688	-41.5564	145.7388
1103	698.74	394837.1	5398682	-41.5565	145.7389
1104	698.34	394845.0	5398676	-41.5565	145.7390
1105	697.71	394852.8	5398670	-41.5566	145.7391
1106	696.98	394860.4	5398663	-41.5566	145.7392

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1107	696.38	394867.7	5398657	-41.5567	145.7393
1108	695.69	394875.0	5398650	-41.5568	145.7394
1109	694.69	394881.9	5398643	-41.5568	145.7395
1110	693.88	394889.0	5398636	-41.5569	145.7395
1111	693.04	394896.2	5398629	-41.5570	145.7396
1112	692.10	394902.8	5398621	-41.5570	145.7397
1113	691.20	394909.3	5398614	-41.5571	145.7398
1114	690.24	394916.3	5398607	-41.5572	145.7399
1115	689.29	394923.1	5398599	-41.5572	145.7399
1116	688.37	394929.8	5398592	-41.5573	145.7400
1117	687.57	394935.0	5398584	-41.5574	145.7401
1118	686.88	394938.5	5398574	-41.5575	145.7401
1119	686.53	394939.0	5398565	-41.5575	145.7401
1120	686.67	394934.2	5398555	-41.5576	145.7401
1121	686.49	394946.8	5398548	-41.5577	145.7402
1122	686.29	394964.4	5398542	-41.5578	145.7404
1123	686.22	394970.8	5398535	-41.5578	145.7405
1124	686.30	394975.7	5398526	-41.5579	145.7406
1125	686.40	394980.8	5398518	-41.5580	145.7406
1126	686.41	394985.4	5398509	-41.5581	145.7407
1127	686.34	394989.9	5398500	-41.5581	145.7407
1128	686.17	394994.3	5398491	-41.5582	145.7408
1129	686.06	394999.4	5398482	-41.5583	145.7408
1130	686.00	395004.4	5398473	-41.5584	145.7409
1131	685.95	395008.6	5398465	-41.5585	145.7409
1132	685.92	395011.4	5398456	-41.5585	145.7410
1133	686.43	395007.6	5398446	-41.5586	145.7409
1134	687.08	394997.8	5398445	-41.5586	145.7408
1135	687.52	394987.9	5398446	-41.5586	145.7407
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1137	687.99	394968.5	5398451	-41.5586	145.7405
1138	688.27	394959.7	5398454	-41.5585	145.7404
1139	688.71	394948.4	5398456	-41.5585	145.7402
1140	688.78	394937.7	5398455	-41.5585	145.7401
1141	687.38	394928.4	5398450	-41.5586	145.7400
1142	686.39	394919.3	5398447	-41.5586	145.7399
1143	685.33	394909.6	5398445	-41.5586	145.7398
1144	684.29	394899.9	5398443	-41.5586	145.7396
1145	683.24	394890.1	5398440	-41.5587	145.7395
1146	682.24	394881.0	5398436	-41.5587	145.7394
1147	681.19	394872.2	5398431	-41.5587	145.7393
1148	680.19	394864.2	5398425	-41.5588	145.7392
1149	679.37	394856.6	5398419	-41.5589	145.7391
1150	678.51	394849.6	5398411	-41.5589	145.7390
1151	677.59	394843.3	5398403	-41.5590	145.7389
1152	676.76	394840.6	5398393	-41.5591	145.7389
1153	675.35	394838.4	5398383	-41.5592	145.7389
1154	676.41	394838.9	5398374	-41.5593	145.7389
1155	677.52	394839.8	5398364	-41.5593	145.7389
1156	678.71	394839.7	5398354	-41.5594	145.7389
1157	679.52	394837.9	5398345	-41.5595	145.7389
1158	680.28	394832.6	5398336	-41.5596	145.7388
1159	681.31	394827.0	5398328	-41.5597	145.7387
1160	682.47	394820.4	5398320	-41.5597	145.7387
1161	683.88	394813.3	5398313	-41.5598	145.7386
1162	685.13	394807.3	5398306	-41.5599	145.7385
1163	686.54	394800.9	5398298	-41.5599	145.7384
1164	687.70	394793.2	5398292	-41.5600	145.7383
1165	688.21	394785.5	5398286	-41.5600	145.7382
1166	688.61	394778.3	5398279	-41.5601	145.7381

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1167	689.44	394770.9	5398272	-41.5602	145.7381
1168	690.08	394765.7	5398264	-41.5602	145.7380
1169	690.28	394760.6	5398255	-41.5603	145.7379
1170	690.27	394755.7	5398247	-41.5604	145.7379
1171	690.17	394751.1	5398238	-41.5605	145.7378
1172	689.77	394746.0	5398229	-41.5605	145.7378
1173	689.69	394739.7	5398222	-41.5606	145.7377
1174	690.09	394733.4	5398214	-41.5607	145.7376
1175	690.51	394727.5	5398207	-41.5607	145.7375
1176	691.10	394719.5	5398199	-41.5608	145.7374
1177	691.18	394711.6	5398193	-41.5609	145.7373
1178	691.02	394702.1	5398190	-41.5609	145.7372
1179	690.91	394693.6	5398185	-41.5609	145.7371
1180	690.85	394684.7	5398180	-41.5610	145.7370
1181	691.02	394676.0	5398175	-41.5610	145.7369
1182	691.31	394667.2	5398170	-41.5611	145.7368
1183	691.69	394659.3	5398163	-41.5611	145.7367
1184	692.02	394652.5	5398156	-41.5612	145.7366
1185	692.23	394647.6	5398146	-41.5613	145.7366
1186	692.44	394643.8	5398137	-41.5614	145.7365
1187	692.28	394641.3	5398127	-41.5614	145.7365
1188	691.99	394639.0	5398117	-41.5615	145.7364
1189	691.47	394637.1	5398108	-41.5616	145.7364
1190	691.05	394635.6	5398098	-41.5617	145.7364
1191	690.72	394633.7	5398088	-41.5618	145.7364
1192	690.45	394632.3	5398078	-41.5619	145.7364
1193	690.01	394630.0	5398068	-41.5620	145.7363
1194	689.57	394628.3	5398058	-41.5621	145.7363
1195	689.27	394627.0	5398049	-41.5622	145.7363
1196	688.91	394625.8	5398038	-41.5622	145.7363
1197	688.56	394624.7	5398029	-41.5623	145.7363
1198	688.00	394624.9	5398018	-41.5624	145.7363
1199	687.53	394625.7	5398008	-41.5625	145.7363
1200	686.99	394626.8	5397999	-41.5626	145.7363
1201	686.38	394627.0	5397989	-41.5627	145.7363
1202	685.99	394626.3	5397979	-41.5628	145.7363
1203	685.45	394624.2	5397969	-41.5629	145.7362
1204	685.14	394620.7	5397960	-41.5630	145.7362
1205	684.70	394615.9	5397951	-41.5630	145.7361
1206	684.46	394610.1	5397943	-41.5631	145.7361
1207	684.12	394603.0	5397936	-41.5632	145.7360
1208	683.78	394594.9	5397930	-41.5632	145.7359
1209	683.38	394586.7	5397924	-41.5633	145.7358
1210	683.09	394578.5	5397919	-41.5633	145.7357
1211	682.88	394570.3	5397913	-41.5634	145.7356
1212	682.73	394562.1	5397907	-41.5634	145.7355
1213	682.61	394553.9	5397902	-41.5635	145.7354
1214	682.56	394545.7	5397896	-41.5635	145.7353
1215	682.44	394536.7	5397892	-41.5636	145.7352
1216	682.23	394527.5	5397888	-41.5636	145.7351
1217	681.94	394517.6	5397887	-41.5636	145.7350
1218	681.46	394507.7	5397888	-41.5636	145.7348
1219	680.98	394498.1	5397891	-41.5636	145.7347
1220	680.32	394489.3	5397896	-41.5635	145.7346
1221	679.77	394480.4	5397900	-41.5635	145.7345
1222	679.08	394471.9	5397905	-41.5634	145.7344
1223	678.42	394463.4	5397910	-41.5634	145.7343
1224	677.77	394454.4	5397915	-41.5633	145.7342
1225	677.04	394445.9	5397920	-41.5633	145.7341
1226	676.53	394437.1	5397925	-41.5632	145.7340

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1227	676.39	394427.5	5397928	-41.5632	145.7339
1228	676.66	394417.6	5397930	-41.5632	145.7338
1229	677.62	394407.3	5397930	-41.5632	145.7336
1230	678.61	394397.7	5397927	-41.5632	145.7335
1231	679.55	394390.0	5397921	-41.5633	145.7334
1232	680.18	394382.2	5397914	-41.5633	145.7333
1233	680.77	394374.9	5397907	-41.5634	145.7332
1234	681.56	394368.1	5397900	-41.5635	145.7332
1235	682.16	394362.2	5397892	-41.5635	145.7331
1236	682.55	394355.8	5397884	-41.5636	145.7330
1237	683.01	394350.2	5397876	-41.5637	145.7329
1238	683.54	394345.3	5397867	-41.5638	145.7329
1239	684.01	394340.5	5397858	-41.5638	145.7328
1240	684.38	394335.7	5397850	-41.5639	145.7328
1241	684.61	394331.2	5397841	-41.5640	145.7327
1242	684.78	394326.7	5397832	-41.5641	145.7327
1243	684.95	394322.4	5397823	-41.5641	145.7326
1244	685.11	394318.0	5397814	-41.5642	145.7325
1245	685.27	394313.6	5397805	-41.5643	145.7325
1246	685.12	394308.8	5397796	-41.5644	145.7324
1247	685.13	394304.6	5397787	-41.5645	145.7324
1248	685.16	394299.8	5397778	-41.5645	145.7323
1249	685.07	394294.9	5397770	-41.5646	145.7323
1250	685.01	394289.8	5397761	-41.5647	145.7322
1251	685.11	394285.3	5397753	-41.5648	145.7321
1252	685.14	394278.7	5397744	-41.5649	145.7321
1253	685.02	394273.1	5397736	-41.5649	145.7320
1254	685.10	394268.8	5397729	-41.5650	145.7319
1255	685.21	394264.0	5397725	-41.5650	145.7319
1256	685.56	394253.2	5397713	-41.5651	145.7318
1257	685.84	394248.2	5397702	-41.5652	145.7317
1258	685.86	394241.5	5397695	-41.5653	145.7316
1259	687.23	394234.7	5397688	-41.5653	145.7315
1260	685.97	394228.1	5397681	-41.5654	145.7314
1261	683.26	394222.8	5397676	-41.5655	145.7314
1262	684.17	394215.2	5397668	-41.5655	145.7313
1263	687.27	394208.2	5397663	-41.5656	145.7312
1264	687.38	394202.1	5397655	-41.5656	145.7311
1265	686.88	394195.6	5397647	-41.5657	145.7311
1266	686.31	394191.5	5397638	-41.5658	145.7310
1267	686.01	394184.9	5397631	-41.5659	145.7309
1268	685.61	394177.1	5397625	-41.5659	145.7308
1269	684.99	394169.4	5397618	-41.5660	145.7307
1270	684.32	394161.4	5397612	-41.5660	145.7306
1271	683.80	394153.3	5397606	-41.5661	145.7305
1272	683.46	394145.4	5397600	-41.5661	145.7304
1273	683.22	394136.7	5397595	-41.5662	145.7303
1274	682.84	394127.6	5397591	-41.5662	145.7302
1275	682.51	394118.7	5397587	-41.5662	145.7301
1276	682.12	394109.3	5397583	-41.5663	145.7300
1277	681.95	394099.7	5397580	-41.5663	145.7299
1278	681.68	394090.3	5397578	-41.5663	145.7298
1279	681.42	394080.5	5397576	-41.5663	145.7297
1280	681.20	394070.9	5397573	-41.5664	145.7295
1281	680.93	394060.9	5397571	-41.5664	145.7294
1282	680.78	394050.9	5397570	-41.5664	145.7293
1283	680.42	394041.1	5397568	-41.5664	145.7292
1284	680.25	394031.4	5397567	-41.5664	145.7291
1285	680.12	394021.5	5397565	-41.5664	145.7289
1286	679.92	394011.5	5397564	-41.5664	145.7288

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1287	679.89	394001.9	5397563	-41.5664	145.7287
1288	679.85	393991.8	5397562	-41.5665	145.7286
1289	679.78	393981.9	5397560	-41.5665	145.7285
1290	679.83	393972.1	5397558	-41.5665	145.7284
1291	679.91	393962.3	5397556	-41.5665	145.7282
1292	679.96	393952.4	5397554	-41.5665	145.7281
1293	680.02	393942.7	5397552	-41.5665	145.7280
1294	680.04	393932.7	5397550	-41.5666	145.7279
1295	680.16	393923.2	5397548	-41.5666	145.7278
1296	680.14	393913.4	5397546	-41.5666	145.7276
1297	680.04	393903.6	5397545	-41.5666	145.7275
1298	679.82	393893.5	5397544	-41.5666	145.7274
1299	679.47	393883.6	5397543	-41.5666	145.7273
1300	679.13	393873.7	5397542	-41.5666	145.7272

SHOT POINT STATIONS

Traverse: 95AGS-AB2

File Name:SP95AB2.XLS

Date:April, 1995.

Station Number	Elev. (m)	Easting (m)	Northing (m)	Latitude (dec. deg)	Longitude (dec. deg)
1000	726.87	394143.7	5399365.45	-41.5502	145.7307
1006	726.87	394179.6	5399317.41	-41.5507	145.7312
1012	726.66	394211.1	5399266.77	-41.5511	145.7315
1018	722.96	394227.7	5399209.30	-41.5516	145.7317
1024	718.79	394247.6	5399152.84	-41.5522	145.7319
1030	715.03	394299.7	5399124.54	-41.5524	145.7326
1036	714.41	394350.8	5399093.59	-41.5527	145.7332
1042	716.30	394395.0	5399054.56	-41.5531	145.7337
1048	714.50	394438.7	5399014.38	-41.5534	145.7342
1054	712.57	394482.8	5398971.71	-41.5538	145.7347
1060	712.96	394532.9	5398940.84	-41.5541	145.7353
1066	710.90	394591.0	5398921.23	-41.5543	145.7360
1072	706.85	394648.9	5398914.07	-41.5544	145.7367
1078	703.76	394701.5	5398887.33	-41.5546	145.7373
1084	703.06	394736.2	5398838.97	-41.5550	145.7377
1090	701.61	394762.3	5398785.66	-41.5555	145.7380
1096	699.98	394786.3	5398730.07	-41.5560	145.7383
1102	699.20	394829.3	5398688.11	-41.5564	145.7388
1108	695.69	394875.0	5398649.72	-41.5568	145.7394
1114	690.24	394916.3	5398606.69	-41.5572	145.7399
1120	686.67	394934.2	5398555.04	-41.5576	145.7401
1126	686.41	394985.4	5398508.65	-41.5581	145.7407
1132	685.92	395011.4	5398456.33	-41.5585	145.7410
1138	688.27	394959.7	5398454.06	-41.5585	145.7404
1144	684.29	394899.9	5398442.68	-41.5586	145.7396
1150	678.51	394849.6	5398410.85	-41.5589	145.7390
1156	678.71	394839.7	5398354.13	-41.5594	145.7389
1162	685.13	394807.3	5398305.53	-41.5599	145.7385
1168	690.08	394765.7	5398263.77	-41.5602	145.7380
1174	690.09	394733.4	5398213.82	-41.5607	145.7376
1180	690.85	394684.7	5398179.92	-41.5610	145.7370
1186	692.44	394643.8	5398136.77	-41.5614	145.7365
1192	690.45	394632.3	5398078.38	-41.5619	145.7364
1198	688.00	394624.9	5398018.40	-41.5624	145.7363
1204	685.14	394620.7	5397959.68	-41.5630	145.7362
1210	683.09	394578.5	5397918.80	-41.5633	145.7357

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1216	682.23	394527.5	5397888.45	-41.5636	145.7351
1222	679.08	394471.9	5397904.92	-41.5634	145.7344
1228	676.66	394417.6	5397930.07	-41.5632	145.7338
1234	681.56	394368.1	5397899.87	-41.5635	145.7332
1240	684.38	394335.7	5397849.51	-41.5639	145.7328
1246	685.12	394308.8	5397795.83	-41.5644	145.7324
1252	685.14	394278.7	5397743.92	-41.5649	145.7321
1258	685.86	394241.5	5397694.77	-41.5653	145.7316
1264	687.38	394202.1	5397654.70	-41.5656	145.7311
1270	684.32	394161.4	5397612.07	-41.5660	145.7306
1276	682.12	394109.3	5397583.43	-41.5663	145.7300
1282	680.78	394050.9	5397569.93	-41.5664	145.7293
1288	679.85	393991.8	5397561.89	-41.5665	145.7286
1294	680.04	393932.7	5397549.93	-41.5666	145.7279
1300	679.13	393873.7	5397541.69	-41.5666	145.7272

PERMANENT MARKERS

	Traverse: 95AGS-AB2		File Name:PM95AB2.XLS		Date:April, 1995.
Station Number	Elev. (m)	Easting (m)	Northing (m)	Latitude (dec. deg)	Longitude (dec. deg)
RC4	719.61	394242.2	5399161.04	-41.5521	145.7319
GPS016	685.89	394267.0	5397707.84	-41.5652	145.7319
GPS006	685.36	394982.2	5398580.93	-41.5574	145.7406

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309126

APPENDIX VI

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827491	12000	4600	5398066.8	392751.7	0.012	-0.01	0.22	0.003	0.227	0.126	-1	-0.001	-0.001
827492	12000	4640	5398051.7	392788.8	-0.01	-0.01	-0.05	-0.001	0.107	0.069	-1	-0.001	-0.001
827493	12000	4700	5398029.1	392844.3	-0.01	-0.01	-0.05	0.001	0.146	0.056	-1	0.003	-0.001
827494	12000	4740	5398014.0	392881.4	0.01	-0.01	0.15	0.003	0.173	0.035	-1	-0.001	-0.001
827495	12000	4800	5397991.5	392937.0	-0.01	-0.01	-0.05	-0.001	0.147	0.033	-1	-0.001	-0.001
827496	12000	4850	5397972.6	392983.3	-0.01	-0.01	-0.05	-0.001	0.185	0.173	-1	-0.001	-0.001
827497	12000	4900	5397953.8	393029.6	-0.01	-0.01	0.13	-0.001	0.247	0.039	-1	-0.001	-0.001
828851	12800	5000	5398656.3	393424.5	0.01	0.014	0.07	-0.001	0.077	-0.01	-1	-0.001	-0.001
828852	12800	5050	5398637.5	393470.9	0.1	0.015	1.18	0.004	0.258	0.05	-1	-0.001	-0.001
828843	13000	5000	5398841.6	393499.9	0.026	0.013	0.36	0.005	0.491	0.048	-1	-0.001	-0.001
828844	13000	5050	5398822.7	393546.2	0.026	-0.01	0.23	0.005	0.372	0.104	1	-0.001	-0.001
828795	13000	6050	5398446.1	394472.6	-0.01	0.017	0.2	-0.001	0.104	-0.01	-1	0.003	-0.001
828796	13000	6100	5398427.3	394518.9	0.011	0.015	0.07	-0.001	0.044	-0.01	-1	0.002	-0.001
828797	13000	6150	5398408.5	394565.2	-0.01	0.051	0.61	0.003	0.056	-0.01	2	0.005	-0.001
828798	13000	6200	5398389.7	394611.5	0.015	0.041	0.22	0.001	0.076	-0.01	-1	0.003	-0.001
828407	13000	6250	5398372.0	394656.8	0.011	-0.01	-0.05	0.001	0.066	-0.01	-1	0.001	-0.001
828408	13000	6300	5398353.1	394703.1	0.018	-0.01	-0.05	-0.001	0.026	-0.01	-1	0.002	-0.001
828409	13000	6350	5398334.3	394749.4	0.041	0.015	0.24	0.003	0.078	0.017	-1	-0.001	-0.001
828410	13000	6400	5398315.5	394795.8	0.023	0.034	0.37	0.004	0.025	-0.01	1	0.002	-0.001
828411	13000	6450	5398296.7	394842.1	0.015	-0.01	0.52	0.002	0.038	-0.01	2	0.002	-0.001
828412	13000	6500	5398277.8	394888.4	0.046	0.037	0.38	0.003	0.177	0.026	1	-0.001	-0.001
828413	13000	6550	5398259.0	394934.7	0.024	0.022	0.33	0.003	0.518	0.09	1	-0.001	-0.001
828414	13000	6600	5398240.2	394981.0	0.029	0.011	0.12	0.002	0.254	0.028	-1	-0.001	-0.001
828415	13000	6650	5398221.4	395027.4	0.023	-0.01	0.09	0.004	0.226	0.086	-1	-0.001	-0.001
828416	13000	6700	5398202.5	395073.7	0.029	-0.01	0.31	0.006	0.087	-0.01	1	-0.001	-0.001
828417	13000	6750	5398183.7	395120.0	0.039	0.017	0.27	0.003	0.164	0.016	-1	0.001	-0.001
828418	13000	6800	5398164.9	395166.3	0.022	0.017	0.26	0.003	0.052	-0.01	1	-0.001	-0.001
828419	13000	6840	5398149.8	395203.4	0.012	0.015	0.21	0.003	0.028	-0.01	2	-0.001	-0.001
828420	13000	6900	5398127.2	395259.0	0.025	-0.01	0.51	0.003	0.045	-0.01	1	0.004	-0.001
828421	13000	6950	5398108.4	395305.3	0.013	0.016	0.32	0.005	0.058	-0.01	-1	-0.001	-0.001
828422	13000	7000	5398089.6	395351.6	-0.01	-0.01	0.15	0.002	0.02	-0.01	3	-0.001	-0.001
828423	13000	7050	5398070.8	395397.9	0.021	-0.01	0.16	-0.001	0.019	-0.01	4	-0.001	-0.001
828424	13000	7100	5398051.9	395444.2	0.015	-0.01	-0.05	-0.001	0.012	-0.01	2	-0.001	-0.001
828425	13000	7150	5398033.1	395490.6	0.011	-0.01	-0.05	-0.001	0.01	-0.01	-1	-0.001	-0.001
828426	13000	7200	5398014.3	395536.9	0.019	-0.01	-0.05	-0.001	0.014	-0.01	-1	0.002	-0.001
828427	13000	7250	5397995.5	395583.2	0.016	0.014	-0.05	-0.001	0.019	-0.01	2	-0.001	-0.001
828428	13000	7300	5397976.6	395629.5	-0.01	-0.01	0.08	0.003	0.041	0.08	3	-0.001	-0.001
828430	13000	7350	5397957.8	395675.9	0.05	-0.01	-0.05	0.001	0.023	0.013	-1	-0.001	-0.001
828431	13000	7400	5397939.0	395722.2	0.041	0.023	0.46	0.004	0.043	0.02	1	0.002	-0.001
828432	13000	7450	5397920.2	395768.5	0.036	0.02	0.43	0.002	0.052	0.014	1	0.002	-0.001
828433	13000	7500	5397901.3	395814.8	0.026	0.015	0.32	0.006	0.028	0.018	-1	0.001	-0.001

309127

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828434	13000	7550	5397882.5	395861.1	0.019	0.02	0.79	0.003	0.04	-0.01	-1	0.002	-0.001
828876	13200	5100	5398989.2	393667.8	0.018	-0.01	0.1	0.001	0.155	0.155	-1	-0.001	-0.001
828877	13200	5150	5398970.3	393714.1	-0.01	-0.01	0.17	0.002	0.241	0.397	-1	-0.001	-0.001
828878	13200	5200	5398951.5	393760.4	-0.01	-0.01	0.2	0.005	0.277	0.043	-1	-0.001	-0.001
828879	13200	5250	5398932.7	393806.8	0.019	0.011	0.27	0.003	0.15	0.088	-1	-0.001	-0.001
828880	13200	5300	5398913.9	393853.1	-0.01	-0.01	0.38	0.003	0.285	0.109	-1	-0.001	-0.001
828881	13200	5350	5398895.0	393899.4	-0.01	-0.01	-0.05	-0.001	0.048	0.036	-1	-0.001	-0.001
828882	13200	5400	5398876.2	393945.7	0.02	0.034	0.34	0.003	0.13	0.047	-1	-0.001	-0.001
828883	13200	5450	5398857.4	393992.0	0.038	-0.01	0.16	0.002	0.388	0.217	1	-0.001	-0.001
828884	13200	5500	5398838.5	394038.4	-0.01	0.015	0.25	0.002	0.196	0.099	-1	-0.001	-0.001
828885	13200	5550	5398819.7	394084.7	-0.01	0.023	0.35	0.003	0.209	0.077	-1	-0.001	-0.001
828886	13200	5600	5398800.9	394131.0	-0.01	0.054	0.23	0.002	0.263	0.05	-1	0.001	-0.001
828887	13200	5650	5398782.0	394177.3	-0.01	0.029	0.11	0.001	0.153	0.02	-1	0.001	-0.001
828888	13200	5700	5398763.2	394223.6	-0.01	0.018	0.26	0.002	0.373	0.065	3	-0.001	-0.001
828889	13200	5750	5398744.4	394270.0	0.047	0.016	0.18	-0.001	0.047	0.016	1	-0.001	-0.001
828890	13200	5800	5398725.6	394316.3	-0.01	-0.01	0.14	-0.001	0.048	0.024	-1	0.003	-0.001
828891	13200	5850	5398706.7	394362.6	0.012	0.017	0.36	0.003	0.382	0.039	3	-0.001	-0.001
828892	13200	5900	5398687.9	394408.9	-0.01	0.012	0.34	0.003	0.364	0.124	3	-0.001	-0.001
828893	13200	5950	5398669.1	394455.2	-0.01	0.021	0.52	0.006	-0.01	0.047	1	0.003	-0.001
828894	13200	6000	5398650.2	394501.6	-0.01	-0.01	0.15	-0.001	-0.01	0.019	-1	-0.001	-0.001
828353	13500	5500	5399117.5	394150.2	0.012	-0.01	0.21	0.001	0.175	0.051	2	-0.001	-0.001
828354	13500	5550	5399098.7	394196.5	0.011	0.028	0.56	0.003	0.146	0.021	-1	-0.001	-0.001
828355	13500	5600	5399079.9	394242.9	0.04	0.018	0.31	0.002	0.173	0.012	2	-0.001	-0.001
828356	13500	5650	5399061.1	394289.2	0.013	0.012	0.25	-0.001	0.175	0.02	-1	-0.001	-0.001
828357	13500	5700	5399042.2	394335.5	0.02	-0.01	0.64	0.002	0.052	-0.01	2	0.002	-0.001
828358	13500	5750	5399023.4	394381.8	-0.01	0.026	0.22	0.005	0.044	-0.01	1	-0.001	-0.001
828359	13500	5800	5399004.6	394428.2	0.014	0.043	0.36	0.004	0.049	-0.01	1	-0.001	-0.001
828360	13500	5850	5398985.8	394474.5	0.027	0.017	0.55	0.004	0.033	-0.01	2	0.004	-0.001
828361	13500	5900	5398966.9	394520.8	-0.01	-0.01	0.09	0.002	0.019	0.015	2	-0.001	-0.001
828362	13500	5950	5398948.1	394567.1	0.04	0.018	0.36	0.007	0.047	-0.01	2	-0.001	-0.001
828364	13500	6050	5398910.5	394659.8	-0.01	0.022	0.16	0.001	0.105	0.045	-1	-0.001	-0.001
828365	13500	6100	5398891.6	394706.1	0.01	-0.01	-0.05	0.002	0.172	0.021	-1	-0.001	-0.001
828366	13500	6150	5398872.8	394752.4	0.011	0.016	0.36	0.002	0.69	0.062	-1	-0.001	-0.001
828367	13500	6215	5398848.3	394812.6	-0.01	0.012	0.13	0.001	0.031	0.016	2	-0.001	-0.001
828368	13500	6250	5398835.2	394845.0	-0.01	0.013	0.13	0.003	0.024	-0.01	2	-0.001	-0.001
828369	13500	6300	5398816.3	394891.4	-0.01	0.01	0.13	0.002	0.01	-0.01	-1	-0.001	-0.001
828370	13500	6350	5398797.5	394937.7	0.042	0.038	0.16	0.002	0.044	0.014	-1	0.003	-0.001
828371	13500	6400	5398778.7	394984.0	0.022	0.013	0.56	0.004	0.029	-0.01	1	0.003	-0.001
828372	13500	6450	5398759.9	395030.3	0.023	-0.01	0.44	0.004	0.025	-0.01	-1	0.002	-0.001
828373	13500	6500	5398741.0	395076.6	0.027	-0.01	0.27	0.003	0.032	-0.01	2	0.001	-0.001
828374	13500	6550	5398722.2	395123.0	0.033	0.012	0.67	0.004	0.024	-0.01	3	0.002	-0.001

309128

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828375	13500	6600	5398703.4	395169.3	0.032	0.015	0.49	0.003	0.022	-0.01	-1	-0.001	-0.001
828376	13500	6675	5398675.2	395238.8	0.052	-0.01	0.28	0.002	0.088	0.053	3	0.001	-0.001
828378	13500	6750	5398646.9	395308.2	0.067	0.028	0.75	0.004	0.427	0.147	1	-0.001	-0.001
828379	13500	6800	5398628.1	395354.6	0.028	0.023	0.38	0.003	0.333	0.095	2	0.002	-0.001
828380	13500	6850	5398609.3	395400.9	0.035	0.027	0.31	0.003	0.134	0.021	-1	-0.001	-0.001
828381	13500	6900	5398590.4	395447.2	0.023	0.021	0.24	0.003	0.074	-0.01	1	0.001	-0.001
828382	13500	6950	5398571.6	395493.5	0.019	-0.01	-0.05	0.001	0.015	-0.01	-1	-0.001	-0.001
828383	13500	7000	5398552.8	395539.9	0.063	0.082	0.71	0.007	0.082	0.129	3	0.002	-0.001
828384	13500	7050	5398534.0	395586.2	0.025	0.024	0.11	0.007	0.051	0.036	3	-0.001	-0.001
828385	13500	7100	5398515.2	395632.5	0.018	0.012	0.55	0.003	0.04	0.013	1	-0.001	-0.001
828386	13500	7150	5398496.3	395678.8	0.016	0.016	0.27	0.005	0.034	-0.01	-1	-0.001	-0.001
828388	13500	7200	5398477.5	395725.1	0.023	-0.01	0.27	-0.001	0.018	0.013	1	0.002	-0.001
828389	13500	7250	5398458.7	395771.5	0.029	0.01	0.18	0.002	0.022	0.013	1	-0.001	-0.001
828390	13500	7300	5398439.9	395817.8	0.019	0.025	0.67	0.003	0.025	-0.01	1	0.003	-0.001
828391	13500	7350	5398421.0	395864.1	0.032	-0.01	-0.05	-0.001	0.02	0.043	1	-0.001	-0.001
828392	13500	7400	5398402.2	395910.4	0.029	-0.01	0.12	0.003	0.034	0.013	-1	-0.001	-0.001
828393	13500	7450	5398383.4	395956.7	0.023	-0.01	0.3	0.002	0.024	0.057	-1	0.002	-0.001
828394	13500	7500	5398364.6	396003.1	-0.01	0.017	0.13	0.002	0.037	0.035	-1	0.002	-0.001
828397	13500	7550	5398345.7	396049.4	0.028	-0.01	-0.05	-0.001	0.025	-0.01	-1	-0.001	-0.001
828398	13500	7600	5398326.9	396095.7	0.02	-0.01	-0.05	0.002	0.022	-0.01	-1	0.001	-0.001
828399	13500	7650	5398308.1	396142.0	0.023	-0.01	-0.05	0.004	0.034	-0.01	-1	-0.001	-0.001
828400	13500	7700	5398289.3	396188.3	0.024	0.011	0.21	0.004	0.039	0.015	-1	0.002	-0.001
828401	13500	7750	5398270.4	396234.7	0.016	-0.01	0.06	-0.001	0.022	0.022	3	0.001	-0.001
828402	13500	7800	5398251.6	396281.0	0.014	-0.01	0.14	0.002	0.064	0.033	2	-0.001	-0.001
828403	13500	7850	5398232.8	396327.3	0.027	-0.01	0.08	-0.001	0.042	0.015	-1	-0.001	-0.001
828404	13500	7900	5398214.0	396373.6	0.016	-0.01	0.13	0.003	0.049	0.011	-1	-0.001	-0.001
828405	13500	7950	5398195.1	396420.0	0.019	-0.01	0.46	0.002	0.063	0.06	1	0.003	-0.001
828406	13500	8000	5398176.3	396466.3	0.015	0.012	-0.05	-0.001	0.012	-0.01	1	-0.001	-0.001
629880	14000	5500	5399580.8	394338.5	-0.01	-0.01	0.39	-0.001	0.038	0.056	-1	0.001	-0.001
629881	14000	5550	5399561.9	394384.8	0.042	0.011	0.15	0.001	0.014	0.031	1	-0.001	-0.001
629882	14000	5600	5399543.1	394431.1	-0.01	0.026	0.75	0.006	0.029	0.025	2	0.001	-0.001
629883	14000	5650	5399524.3	394477.4	-0.01	0.011	0.15	-0.001	0.018	-0.01	1	0.001	-0.001
629884	14000	5700	5399505.5	394523.8	0.029	-0.01	0.08	-0.001	0.02	0.032	-1	-0.001	-0.001
629885	14000	5750	5399486.6	394570.1	-0.01	-0.01	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
629886	14000	5800	5399467.8	394616.4	-0.01	-0.01	-0.05	-0.001	-0.01	-0.01	-1	0.001	-0.001
629887	14000	5850	5399449.0	394662.7	-0.01	0.024	0.5	0.009	0.01	-0.01	-1	0.005	-0.001
629888	14000	5900	5399430.2	394709.0	-0.01	-0.01	0.2	0.003	-0.01	-0.01	1	0.001	-0.001
629891	14000	5950	5399411.3	394755.4	-0.01	0.011	0.06	-0.001	-0.01	-0.01	-1	0.002	-0.001
629892	14000	6000	5399392.5	394801.7	-0.01	-0.01	0.06	0.001	0.022	-0.01	-1	-0.001	-0.001
629893	14000	6050	5399373.7	394848.0	0.024	0.018	0.09	-0.001	0.053	0.013	-1	0.001	-0.001
629894	14000	6100	5399354.9	394894.3	0.021	0.015	0.08	-0.001	0.033	-0.01	-1	0.003	-0.001

3091129

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
629895	14000	6150	5399336.0	394940.6	-0.01	-0.01	0.14	-0.001	0.086	0.018	2	-0.001	-0.001
629896	14000	6200	5399317.2	394987.0	-0.01	0.029	0.09	-0.001	0.049	0.024	1	0.001	-0.001
629897	14000	6250	5399298.4	395033.3	-0.01	0.026	0.49	0.006	0.133	0.023	1	0.001	-0.001
629898	14000	6300	5399279.6	395079.6	-0.01	0.014	0.24	0.002	0.089	0.012	1	0.001	-0.001
629899	14000	6350	5399260.7	395125.9	0.135	0.039	1.06	0.006	0.047	0.015	2	-0.001	-0.001
629900	14000	6400	5399241.9	395172.2	-0.01	0.013	0.25	0.001	0.016	-0.01	1	0.001	-0.001
629901	14000	6450	5399223.1	395218.6	-0.01	0.012	0.18	0.005	0.041	-0.01	-1	-0.001	-0.001
629902	14000	6500	5399204.3	395264.9	-0.01	0.059	0.81	0.006	0.03	0.012	-1	0.003	-0.001
629903	14000	6560	5399181.7	395320.5	-0.01	-0.01	-0.05	0.003	0.041	0.019	-1	0.002	-0.001
629905	14000	6600	5399166.6	395357.5	0.016	0.018	0.73	0.003	0.018	-0.01	2	-0.001	-0.001
629904	14000	6650	5399147.8	395403.9	-0.01	0.03	0.18	0.004	0.024	0.01	-1	0.001	-0.001
629906	14000	6700	5399129.0	395450.2	-0.01	0.012	0.58	0.008	0.027	0.017	-1	-0.001	-0.001
629907	14000	6750	5399110.1	395496.5	0.015	-0.01	0.26	0.004	0.041	0.026	-1	-0.001	-0.001
629908	14000	6800	5399091.3	395542.8	-0.01	-0.01	0.22	0.002	0.022	0.064	-1	0.002	-0.001
629909	14000	6850	5399072.5	395589.1	-0.01	0.019	0.11	-0.001	0.013	-0.01	2	-0.001	-0.001
629910	14000	6900	5399053.7	395635.5	-0.01	0.033	0.21	0.002	0.013	-0.01	2	0.003	-0.001
629912	14000	6950	5399034.8	395681.8	-0.01	0.02	0.16	0.001	-0.01	-0.01	1	0.002	-0.001
629913	14000	7000	5399016.0	395728.1	-0.01	-0.01	0.15	0.005	0.018	0.014	-1	-0.001	-0.001
629914	14000	7060	5398993.4	395783.7	-0.01	-0.01	0.24	0.003	0.018	0.015	-1	-0.001	-0.001
629915	14000	7100	5398978.4	395820.7	-0.01	-0.01	0.19	0.002	0.012	0.018	-1	-0.001	-0.001
629916	14000	7150	5398959.5	395867.1	-0.01	0.03	0.19	0.001	0.013	0.014	1	0.003	-0.001
629917	14000	7200	5398940.7	395913.4	-0.01	0.024	0.36	0.003	0.016	0.013	1	0.002	-0.001
629918	14000	7250	5398921.9	395959.7	-0.01	0.02	0.15	-0.001	-0.01	-0.01	1	0.002	-0.001
629919	14000	7300	5398903.1	396006.0	-0.01	0.03	0.31	0.004	0.012	-0.01	-1	0.002	-0.001
629920	14000	7350	5398884.2	396052.3	0.012	0.016	0.1	0.002	0.033	-0.01	-1	-0.001	-0.001
629921	14000	7410	5398861.6	396107.9	-0.01	-0.01	0.08	0.005	0.026	0.011	-1	-0.001	-0.001
629922	14000	7450	5398846.6	396145.0	-0.01	-0.01	0.18	0.005	0.033	0.025	1	-0.001	-0.001
629923	14000	7500	5398827.8	396191.3	0.013	0.018	0.36	0.007	0.039	0.012	1	-0.001	-0.001
629924	14000	7550	5398808.9	396237.6	-0.01	0.013	0.27	0.002	0.015	0.029	3	0.001	-0.001
629925	14000	7600	5398790.1	396284.0	0.013	-0.01	0.25	0.002	0.046	0.042	1	-0.001	-0.001
629926	14000	7660	5398767.5	396339.5	0.019	0.031	0.34	0.006	0.039	0.011	2	0.001	-0.001
629927	14000	7700	5398752.5	396376.6	0.021	0.014	0.25	0.002	0.024	0.046	7	0.001	-0.001
629928	14000	7760	5398729.9	396432.2	-0.01	-0.01	0.44	0.004	0.116	0.426	5	-0.001	-0.001
629929	14000	7800	5398714.8	396469.2	-0.01	-0.01	0.09	0.002	0.053	0.129	2	0.001	-0.001
629932	14000	7850	5398696.0	396515.6	0.011	-0.01	0.22	0.001	0.022	-0.01	2	0.003	-0.001
629933	14000	7920	5398669.6	396580.4	-0.01	0.019	0.28	0.003	0.034	0.049	2	-0.001	-0.001
629934	14000	7950	5398658.3	396608.2	-0.01	0.013	0.26	0.001	0.016	0.027	3	0.002	-0.001
629935	14000	7990	5398643.3	396645.3	-0.01	0.021	0.09	-0.001	0.016	-0.01	1	0.002	-0.001
828334	14000	8050	5398620.7	396700.8	-0.01	-0.01	-0.05	-0.001	0.022	-0.01	5	-0.001	-0.001
828335	14000	8100	5398601.9	396747.2	0.012	-0.01	0.15	-0.001	0.03	0.05	6	-0.001	-0.001
828336	14000	8150	5398583.0	396793.5	0.137	-0.01	0.46	-0.001	-0.01	0.014	11	-0.001	-0.001

309130

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828339	14000	8200	5398564.2	396839.8	-0.01	-0.01	0.27	-0.001	0.02	-0.01	2	-0.001	-0.001
828340	14000	8250	5398545.4	396886.1	0.025	0.012	0.96	0.003	0.045	0.025	2	0.002	-0.001
828341	14000	8300	5398526.6	396932.4	0.021	0.039	1.12	0.002	0.032	-0.01	2	0.002	-0.001
828342	14000	8350	5398507.7	396978.8	0.012	-0.01	0.46	0.002	-0.01	-0.01	1	0.003	-0.001
828343	14000	8400	5398488.9	397025.1	0.013	-0.01	0.09	-0.001	-0.01	-0.01	-1	0.004	-0.001
828451	14200	7000	5399200.0	395804.5	0.025	0.025	0.44	0.004	0.072	-0.01	-1	0.001	0.001
828452	14200	7050	5399181.2	395850.8	0.013	0.014	-0.05	0.003	0.024	-0.01	-1	-0.001	-0.001
828453	14200	7100	5399162.4	395897.2	0.012	-0.01	-0.05	0.003	0.066	-0.01	-1	0.001	-0.001
828454	14200	7150	5399143.5	395943.5	0.016	0.027	0.21	0.009	0.029	-0.01	-1	-0.001	-0.001
828455	14200	7200	5399124.7	395989.8	0.023	0.021	0.24	0.005	0.025	-0.01	-1	-0.001	-0.001
828456	14200	7250	5399105.9	396036.1	0.022	0.016	0.12	0.004	0.021	-0.01	-1	0.001	-0.001
828457	14200	7300	5399087.0	396082.4	0.023	0.027	0.46	0.002	0.025	-0.01	-1	0.001	-0.001
828458	14200	7350	5399068.2	396128.8	0.024	0.03	0.39	0.003	0.02	-0.01	1	-0.001	-0.001
828459	14200	7400	5399049.4	396175.1	-0.01	0.01	0.4	0.003	0.074	-0.01	-1	-0.001	0.004
828460	14200	7450	5399030.6	396221.4	0.025	0.029	0.42	0.002	0.035	-0.01	-1	-0.001	-0.001
828461	14200	7500	5399011.7	396267.7	0.026	0.031	0.55	0.004	0.025	-0.01	-1	-0.001	-0.001
828462	14200	7550	5398992.9	396314.0	0.019	0.027	0.35	0.003	0.024	0.026	-1	-0.001	-0.001
828463	14200	7600	5398974.1	396360.4	0.018	0.026	0.6	0.003	-0.01	0.016	-1	0.002	-0.001
828464	14200	7650	5398955.2	396406.7	0.015	0.047	0.84	0.007	0.018	-0.01	1	-0.001	-0.001
828465	14200	7700	5398936.4	396453.0	0.02	0.02	0.35	0.005	0.025	0.011	1	-0.001	-0.001
828466	14200	7750	5398917.6	396499.3	0.018	0.017	0.14	0.002	-0.01	0.011	-1	-0.001	-0.001
828467	14200	7800	5398898.8	396545.6	0.018	0.021	0.15	-0.001	0.021	-0.01	4	0.003	-0.001
828468	14200	7850	5398879.9	396591.9	-0.01	0.01	0.24	0.001	-0.01	0.025	3	-0.001	-0.001
828469	14200	7900	5398861.1	396638.3	0.014	-0.01	0.12	0.002	-0.01	0.012	-1	0.001	-0.001
828470	14200	7950	5398842.3	396684.6	0.015	0.012	0.29	0.005	0.019	-0.01	-1	-0.001	-0.001
828472	14200	8000	5398823.4	396730.9	0.024	0.02	1.27	0.004	0.017	-0.01	-1	0.001	-0.001
828473	14200	8050	5398804.6	396777.2	0.029	0.082	1.08	0.007	0.085	0.011	-1	0.002	-0.001
828474	14200	8100	5398785.8	396823.5	0.012	0.023	1.15	0.004	-0.01	-0.01	2	0.001	-0.001
828475	14200	8150	5398766.9	396869.9	0.031	-0.01	0.66	0.003	0.032	0.049	1	-0.001	-0.001
828476	14200	8175	5398757.5	396893.0	0.011	-0.01	0.65	0.002	0.021	0.035	4	-0.001	-0.001
828477	14200	8250	5398729.3	396962.5	0.01	-0.01	0.33	0.002	0.02	0.144	4	-0.001	-0.001
828478	14200	8300	5398710.5	397008.8	0.013	0.02	0.78	-0.001	-0.01	0.033	4	-0.001	-0.001
828479	14400	7000	5399385.3	395879.8	-0.01	0.015	0.48	0.001	-0.01	-0.01	-1	-0.001	-0.001
828480	14400	7050	5399366.5	395926.2	-0.01	0.022	0.65	0.004	-0.01	0.019	2	0.002	-0.001
828481	14400	7100	5399347.6	395972.5	0.021	0.023	0.92	0.005	0.014	0.121	3	-0.001	-0.001
828482	14400	7150	5399328.8	396018.8	0.033	0.023	0.55	0.009	0.034	0.031	-1	-0.001	-0.001
828483	14400	7200	5399310.0	396065.1	-0.01	0.016	0.28	0.001	-0.01	-0.01	-1	-0.001	-0.001
828484	14400	7250	5399291.2	396111.4	-0.01	0.015	0.39	0.001	-0.01	-0.01	-1	-0.001	-0.001
828485	14400	7300	5399272.3	396157.8	0.016	0.051	0.94	0.007	0.018	0.013	-1	-0.001	-0.001
828486	14400	7350	5399253.5	396204.1	0.011	0.02	0.4	-0.001	-0.01	-0.01	-1	0.001	-0.001
828487	14400	7400	5399234.7	396250.4	0.016	0.019	0.47	0.004	0.011	0.014	-1	0.001	-0.001

3091131

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
828488	14400	7450	5399215.8	396296.7	0.015	0.014	0.24	0.005	-0.01	-0.01	-1	-0.001	-0.001
828489	14400	7500	5399197.0	396343.0	0.015	0.039	1.35	0.006	-0.01	-0.01	-1	-0.001	-0.001
828492	14400	7550	5399178.2	396389.4	0.017	0.057	1.06	0.01	-0.01	-0.01	-1	0.003	-0.001
828493	14400	7600	5399159.3	396435.7	-0.01	0.034	0.18	-0.001	-0.01	-0.01	-1	0.002	-0.001
828494	14400	7650	5399140.5	396482.0	0.011	0.025	0.47	0.005	-0.01	0.029	-1	-0.001	-0.001
828495	14400	7700	5399121.7	396528.3	0.02	0.047	0.31	0.002	0.016	0.011	-1	0.002	0.003
828496	14400	7750	5399102.9	396574.6	0.017	0.055	0.45	0.002	0.017	-0.01	2	0.002	0.002
828497	14400	7800	5399084.0	396620.9	0.019	0.028	0.48	0.003	0.01	-0.01	-1	0.004	0.002
828498	14400	7850	5399065.2	396667.3	0.019	0.053	0.35	0.004	0.014	-0.01	-1	0.005	0.002
828499	14400	7900	5399046.4	396713.6	0.034	0.046	0.53	0.003	-0.01	-0.01	-1	0.002	0.001
828500	14400	7950	5399027.5	396759.9	-0.01	0.014	0.13	0.003	-0.01	-0.01	-1	0.001	0.001
828501	14400	8000	5399008.7	396806.2	0.01	0.019	0.23	0.001	0.011	0.026	1	0.001	-0.001
828502	14400	8050	5398989.9	396852.5	0.021	0.016	0.32	0.002	0.015	0.016	-1	-0.001	-0.001
828503	14400	8100	5398971.1	396898.9	0.031	0.026	0.53	0.005	0.013	-0.01	-1	0.002	0.002
828504	14400	8150	5398952.2	396945.2	-0.01	0.013	0.06	-0.001	-0.01	0.017	-1	-0.001	0.001
828505	14400	8200	5398933.4	396991.5	0.028	0.043	0.23	0.003	0.019	0.037	-1	0.001	0.001
629936	14600	6000	5399948.4	395027.6	0.019	0.016	0.6	0.003	0.017	-0.01	-1	0.009	-0.001
629938	14600	6050	5399929.5	395073.9	-0.01	-0.01	0.17	0.001	0.032	-0.01	2	0.005	-0.001
629937	14600	6100	5399910.7	395120.2	0.014	0.012	0.26	0.002	0.036	-0.01	-1	0.004	-0.001
629939	14600	6150	5399891.9	395166.5	-0.01	0.01	0.17	0.002	0.027	-0.01	2	0.004	-0.001
629940	14600	6200	5399873.1	395212.9	-0.01	0.014	0.32	0.005	0.062	-0.01	-1	0.002	-0.001
629941	14600	6250	5399854.2	395259.2	-0.01	-0.01	0.55	0.002	0.031	-0.01	2	0.003	-0.001
629942	14600	6300	5399835.4	395305.5	-0.01	0.019	0.82	0.006	0.12	0.038	1	0.001	-0.001
629943	14600	6350	5399816.6	395351.8	0.011	0.012	0.32	0.004	0.05	0.012	1	0.002	-0.001
629944	14600	6400	5399797.8	395398.1	-0.01	0.011	0.54	0.003	0.041	0.035	1	0.002	-0.001
629945	14600	6460	5399775.2	395453.7	-0.01	-0.01	0.12	-0.001	0.024	0.062	5	-0.001	-0.001
629946	14600	6500	5399760.1	395490.8	-0.01	-0.01	0.12	0.003	0.055	0.068	1	-0.001	-0.001
629947	14600	6550	5399741.3	395537.1	0.013	-0.01	0.11	0.001	0.033	0.025	-1	-0.001	-0.001
629948	14600	6600	5399722.5	395583.4	0.013	0.018	0.28	0.002	0.013	-0.01	3	-0.001	-0.001
629949	14600	6650	5399703.6	395629.8	-0.01	-0.01	0.11	-0.001	-0.01	-0.01	1	-0.001	-0.001
629950	14600	6700	5399684.8	395676.1	-0.01	0.014	0.16	0.005	0.022	-0.01	3	0.002	-0.001
629951	14600	6750	5399666.0	395722.4	-0.01	0.018	0.14	-0.001	0.012	-0.01	1	0.002	-0.001
629952	14600	6800	5399647.2	395768.7	0.021	-0.01	0.09	-0.001	0.012	-0.01	-1	0.002	-0.001
629953	14600	6850	5399628.3	395815.0	0.051	-0.01	0.18	-0.001	0.028	-0.01	-1	0.003	-0.001
629955	14600	6900	5399609.5	395861.4	-0.01	0.013	0.19	0.002	0.019	-0.01	-1	0.002	-0.001
629956	14600	6950	5399590.7	395907.7	0.012	0.014	1.25	0.002	-0.01	-0.01	-1	0.002	-0.001
629957	14600	7000	5399571.9	395954.0	-0.01	0.012	0.08	-0.001	0.013	-0.01	-1	-0.001	-0.001
629958	14600	7050	5399553.0	396000.3	0.014	-0.01	0.23	0.002	-0.01	-0.01	-1	-0.001	-0.001
629959	14600	7100	5399534.2	396046.6	0.061	0.019	0.25	0.004	0.026	-0.01	-1	0.002	-0.001
629960	14600	7150	5399515.4	396093.0	-0.01	0.011	0.32	-0.001	0.014	-0.01	-1	0.003	-0.001
629961	14600	7200	5399496.6	396139.3	-0.01	0.011	0.17	-0.001	0.018	-0.01	-1	0.002	-0.001

309132

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
629962	14600	7250	5399477.7	396185.6	-0.01	-0.01	0.15	-0.001	0.011	-0.01	-1	0.002	-0.001
629963	14600	7300	5399458.9	396231.9	0.037	0.019	0.18	-0.001	0.013	-0.01	-1	0.003	-0.001
629964	14600	7350	5399440.1	396278.2	0.038	0.012	0.3	0.017	0.074	-0.01	-1	0.002	-0.001
629965	14600	7400	5399421.3	396324.6	0.033	0.02	0.19	0.002	0.042	-0.01	-1	0.001	-0.001
629966	14600	7450	5399402.4	396370.9	0.051	0.043	0.42	0.008	0.227	-0.01	-1	-0.001	-0.001
629967	14600	7500	5399383.6	396417.2	0.046	0.04	0.57	0.005	0.018	-0.01	-1	0.008	-0.001
629968	14600	7550	5399364.8	396463.5	0.011	0.073	0.68	0.003	0.04	-0.01	-1	0.003	-0.001
629969	14600	7600	5399346.0	396509.8	0.02	0.222	0.65	0.002	0.065	0.025	1	0.003	-0.001
629970	14600	7650	5399327.1	396556.2	0.014	0.074	0.8	0.01	0.067	0.016	1	-0.001	-0.001
629971	14600	7715	5399302.7	396616.4	-0.01	0.026	0.59	0.01	0.082	0.025	1	-0.001	-0.001
629974	14600	7750	5399289.5	396648.8	0.128	0.025	0.41	0.008	0.049	0.018	1	-0.001	-0.001
629975	14600	7805	5399268.8	396699.8	-0.01	0.037	0.43	0.01	0.082	0.029	1	-0.001	-0.001
629976	14600	7850	5399251.8	396741.5	0.014	0.047	0.77	0.013	0.18	0.032	1	0.001	-0.001
629977	14600	7900	5399233.0	396787.8	0.015	0.047	1.55	0.017	0.125	0.097	2	0.002	-0.001
629978	14600	7960	5399210.4	396843.4	0.04	0.012	0.08	0.002	0.038	0.021	2	-0.001	-0.001
629979	14600	8000	5399195.4	396880.4	0.01	0.014	0.44	0.002	0.038	0.054	2	-0.001	-0.001
828345	14600	8050	5399176.5	396926.7	0.013	-0.01	0.24	0.001	0.013	0.069	2	-0.001	-0.001
828346	14600	8100	5399157.7	396973.1	0.017	-0.01	0.27	-0.001	-0.01	0.047	2	0.004	-0.001
828347	14600	8150	5399138.9	397019.4	-0.01	-0.01	0.22	0.001	0.012	0.074	2	0.002	-0.001
828348	14600	8200	5399120.1	397065.7	0.018	0.013	1.35	0.002	0.045	0.713	2	0.001	-0.001
828349	14600	8250	5399101.2	397112.0	0.019	0.017	0.87	0.01	0.021	0.102	2	0.002	-0.001
828350	14600	8300	5399082.4	397158.3	-0.01	-0.01	0.06	-0.001	-0.01	0.019	2	-0.001	-0.001
828351	14600	8350	5399063.6	397204.7	0.022	0.023	0.51	0.003	0.022	0.016	2	-0.001	-0.001
828352	14600	8400	5399044.8	397251.0	0.011	-0.01	0.37	0.002	0.015	0.051	1	-0.001	-0.001
828506	14800	6600	5399906.5	395659.9	0.013	0.017	-0.05	-0.001	-0.01	-0.01	1	0.001	-0.001
828507	14800	6650	5399887.7	395706.2	0.028	0.024	0.08	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828508	14800	6700	5399868.8	395752.6	0.016	0.011	-0.05	-0.001	-0.01	-0.01	-1	0.002	-0.001
828510	14800	6750	5399850.0	395798.9	0.015	0.016	0.14	-0.001	-0.01	-0.01	-1	0.003	-0.001
828511	14800	6800	5399831.2	395845.2	0.013	0.011	0.18	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828512	14800	6850	5399812.3	395891.5	0.019	0.015	0.2	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828513	14800	6900	5399793.5	395937.8	0.026	-0.01	0.31	-0.001	-0.01	-0.01	-1	0.001	-0.001
828514	14800	6950	5399774.7	395984.2	0.015	0.011	0.21	-0.001	-0.01	-0.01	1	0.001	-0.001
828515	14800	7000	5399755.9	396030.5	0.014	-0.01	0.47	-0.001	-0.01	-0.01	-1	0.002	-0.001
828516	14800	7050	5399737.0	396076.8	0.025	0.013	0.24	-0.001	-0.01	-0.01	-1	0.002	-0.001
828517	14800	7100	5399718.2	396123.1	0.06	0.018	0.31	0.002	-0.01	-0.01	-1	0.002	-0.001
828518	14800	7150	5399699.4	396169.4	0.053	-0.01	0.31	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828519	14800	7200	5399680.5	396215.8	0.012	0.01	0.07	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828520	14800	7250	5399661.7	396262.1	0.015	0.012	0.31	-0.001	-0.01	-0.01	-1	0.001	-0.001
828521	14800	7300	5399642.9	396308.4	0.036	-0.01	0.6	-0.001	0.134	-0.01	-1	0.001	-0.001
828522	14800	7350	5399624.0	396354.7	-0.01	-0.01	0.16	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828523	14800	7400	5399605.2	396401.0	-0.01	0.013	0.32	0.002	-0.01	-0.01	1	-0.001	-0.001

309133

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828524	14800	7450	5399586.4	396447.4	0.03	0.039	0.37	0.001	0.025	-0.01	-1	-0.001	-0.001
828525	14800	7500	5399567.6	396493.7	0.023	0.027	0.35	-0.001	0.014	0.014	1	-0.001	-0.001
828526	14800	7550	5399548.7	396540.0	0.012	0.017	0.36	0.002	-0.01	0.011	2	-0.001	-0.001
828527	14800	7600	5399529.9	396586.3	0.015	-0.01	0.49	0.002	0.013	-0.01	-1	-0.001	-0.001
828528	14800	7650	5399511.1	396632.6	0.01	0.013	0.49	0.003	-0.01	0.022	1	-0.001	-0.001
828531	14800	7700	5399492.2	396678.9	0.014	0.051	0.42	-0.001	0.014	0.025	13	-0.001	-0.001
828532	14800	7750	5399473.4	396725.3	0.014	0.011	0.66	0.002	0.028	0.069	2	-0.001	-0.001
828533	14800	7800	5399454.6	396771.6	0.015	0.01	0.54	0.001	0.014	0.063	1	-0.001	-0.001
828534	14800	7850	5399435.8	396817.9	0.019	0.012	0.42	-0.001	-0.01	0.022	1	0.001	-0.001
828535	14800	7900	5399416.9	396864.2	0.014	-0.01	0.27	-0.001	0.018	0.065	2	-0.001	-0.001
828536	14800	7950	5399398.1	396910.5	0.052	-0.01	0.21	-0.001	0.011	0.043	2	-0.001	-0.001
828537	14800	8000	5399379.3	396956.9	0.057	0.018	0.43	-0.001	0.022	0.034	2	-0.001	-0.001
828538	14800	8050	5399360.4	397003.2	0.064	0.02	0.44	0.001	0.011	0.026	2	-0.001	-0.001
828539	14800	8100	5399341.6	397049.5	-0.01	-0.01	0.17	-0.001	-0.01	0.023	1	-0.001	-0.001
828540	14800	8150	5399322.8	397095.8	-0.01	0.015	0.18	0.002	0.01	0.049	1	0.001	-0.001
828541	14800	8200	5399303.9	397142.1	-0.01	-0.01	0.29	0.002	-0.01	0.066	1	0.001	-0.001
828542	14800	8250	5399285.1	397188.5	-0.01	-0.01	0.18	-0.001	-0.01	0.017	1	-0.001	-0.001
828543	14800	8300	5399266.3	397234.8	0.011	-0.01	0.19	0.001	0.01	0.064	-1	-0.001	-0.001
828544	14800	8350	5399247.5	397281.1	-0.01	-0.01	0.09	0.001	-0.01	0.017	-1	-0.001	-0.001
828545	14800	8400	5399228.6	397327.4	0.01	-0.01	0.23	0.002	0.017	0.078	2	-0.001	-0.001
828547	15000	6600	5400091.8	395735.2	0.01	-0.01	0.06	-0.001	0.062	-0.01	-1	-0.001	-0.001
828548	15000	6650	5400072.9	395781.6	-0.01	-0.01	-0.05	-0.001	0.054	0.021	-1	-0.001	-0.001
828549	15000	6700	5400054.1	395827.9	-0.01	0.014	-0.05	-0.001	0.029	0.013	-1	-0.001	-0.001
828551	15000	6750	5400035.3	395874.2	0.018	-0.01	-0.05	0.001	0.057	0.021	-1	-0.001	-0.001
828552	15000	6800	5400016.4	395920.5	0.03	-0.01	0.15	-0.001	0.098	0.033	-1	0.001	-0.001
828553	15000	6850	5399997.6	395966.8	0.011	-0.01	0.23	0.002	0.08	0.043	-1	-0.001	-0.001
828554	15000	6900	5399978.8	396013.2	0.014	-0.01	0.1	0.001	0.049	0.031	2	-0.001	-0.001
828555	15000	6950	5399960.0	396059.5	-0.01	-0.01	-0.05	-0.001	0.067	0.044	-1	-0.001	-0.001
828556	15000	7000	5399941.1	396105.8	0.016	0.016	0.26	-0.001	0.11	0.028	-1	-0.001	-0.001
828557	15000	7050	5399922.3	396152.1	-0.01	-0.01	-0.05	-0.001	0.023	-0.01	-1	0.002	-0.001
828558	15000	7100	5399903.5	396198.4	-0.01	-0.01	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828559	15000	7150	5399884.6	396244.8	0.028	0.038	0.83	0.003	0.021	-0.01	2	0.001	-0.001
828560	15000	7200	5399865.8	396291.1	0.018	0.011	0.09	-0.001	0.025	-0.01	-1	-0.001	-0.001
828561	15000	7250	5399847.0	396337.4	-0.01	-0.01	0.2	0.002	-0.01	-0.01	-1	-0.001	-0.001
828562	15000	7300	5399828.2	396383.7	-0.01	-0.01	-0.05	0.001	-0.01	-0.01	2	-0.001	-0.001
828563	15000	7350	5399809.3	396430.0	0.038	0.015	0.23	0.003	0.026	0.014	1	-0.001	-0.001
828564	15000	7400	5399790.5	396476.4	-0.01	-0.01	0.06	0.001	-0.01	0.023	1	-0.001	-0.001
828565	15000	7450	5399771.7	396522.7	-0.01	0.011	-0.05	-0.001	-0.01	0.015	4	0.001	-0.001
828566	15000	7500	5399752.8	396569.0	-0.01	-0.01	0.13	-0.001	0.011	-0.01	1	-0.001	-0.001
828567	15000	7550	5399734.0	396615.3	0.011	0.011	0.23	0.004	0.018	-0.01	2	-0.001	-0.001
828568	15000	7600	5399715.2	396661.6	-0.01	-0.01	0.12	0.004	0.012	-0.01	2	-0.001	-0.001

3091134

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828569	15000	7650	5399696.3	396707.9	0.077	0.026	0.52	0.005	0.129	-0.01	-1	-0.001	-0.001
828570	15000	7700	5399677.5	396754.3	0.011	0.024	0.16	0.004	0.023	0.012	-1	-0.001	-0.001
828571	15000	7750	5399658.7	396800.6	0.022	-0.01	0.45	0.003	0.015	-0.01	-1	-0.001	-0.001
828572	15000	7800	5399639.9	396846.9	-0.01	0.022	0.51	0.006	0.025	0.024	2	-0.001	-0.001
828573	15000	7850	5399621.0	396893.2	0.011	-0.01	0.34	0.003	0.019	-0.01	1	-0.001	-0.001
828574	15000	7900	5399602.2	396939.5	0.016	0.058	0.52	0.004	0.023	0.01	1	-0.001	-0.001
828575	15000	7950	5399583.4	396985.9	0.015	0.031	0.21	0.004	0.026	0.012	-1	-0.001	-0.001
828576	15000	8000	5399564.5	397032.2	0.017	0.018	0.32	0.003	0.041	0.023	2	0.002	-0.001
828577	15000	8050	5399545.7	397078.5	0.022	0.013	0.19	0.002	0.015	0.021	2	0.001	-0.001
828578	15000	8100	5399526.9	397124.8	-0.01	0.017	0.13	0.003	-0.01	0.013	1	-0.001	-0.001
828579	15000	8150	5399508.0	397171.1	-0.01	-0.01	0.12	0.004	0.02	0.016	-1	-0.001	-0.001
828580	15000	8200	5399489.2	397217.5	0.018	0.026	0.85	0.003	0.017	-0.01	-1	0.001	-0.001
828581	15000	8250	5399470.4	397263.8	0.017	-0.01	0.09	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828582	15000	8300	5399451.6	397310.1	0.04	-0.01	0.07	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828583	15000	8350	5399432.7	397356.4	0.012	-0.01	0.19	0.002	-0.01	-0.01	-1	0.002	-0.001
828584	15000	8400	5399413.9	397402.7	-0.01	0.013	0.37	0.002	-0.01	-0.01	-1	-0.001	-0.001
629980	15200	6000	5400504.2	395253.5	0.039	-0.01	0.32	0.001	0.073	0.063	-1	0.002	-0.001
629981	15200	6050	5400485.4	395299.8	-0.01	-0.01	0.25	0.003	0.213	0.091	-1	0.002	-0.001
629982	15200	6100	5400466.6	395346.1	-0.01	-0.01	0.15	0.001	0.229	0.047	-1	-0.001	-0.001
629983	15200	6150	5400447.7	395392.4	-0.01	-0.01	0.13	0.003	0.15	0.046	-1	-0.001	-0.001
629984	15200	6200	5400428.9	395438.8	0.019	-0.01	0.26	0.002	0.133	0.064	-1	0.002	-0.001
629985	15200	6250	5400410.1	395485.1	-0.01	-0.01	0.15	0.001	0.056	0.019	-1	-0.001	-0.001
629986	15200	6300	5400391.3	395531.4	-0.01	-0.01	0.12	-0.001	0.086	0.025	-1	0.001	-0.001
629987	15200	6350	5400372.4	395577.7	-0.01	-0.01	0.18	0.001	0.082	0.054	-1	-0.001	-0.001
629988	15200	6400	5400353.6	395624.0	-0.01	-0.01	0.11	0.002	0.155	0.1	-1	-0.001	-0.001
629989	15200	6450	5400334.8	395670.4	-0.01	-0.01	0.11	0.002	0.205	0.143	1	-0.001	-0.001
629990	15200	6500	5400316.0	395716.7	-0.01	-0.01	0.17	0.001	0.214	0.098	-1	-0.001	-0.001
629991	15200	6550	5400297.1	395763.0	0.012	-0.01	0.15	-0.001	0.09	0.1	-1	0.004	-0.001
629992	15200	6600	5400278.3	395809.3	-0.01	0.021	0.07	0.001	0.121	0.079	-1	-0.001	-0.001
629993	15200	6650	5400259.5	395855.6	-0.01	-0.01	0.12	-0.001	0.079	0.055	-1	-0.001	-0.001
629994	15200	6700	5400240.7	395902.0	-0.01	-0.01	0.08	-0.001	0.06	0.053	-1	-0.001	-0.001
629995	15200	6750	5400221.8	395948.3	0.03	-0.01	0.07	-0.001	0.068	0.048	-1	-0.001	-0.001
629996	15200	6800	5400203.0	395994.6	-0.01	-0.01	-0.05	-0.001	0.088	0.089	-1	0.002	-0.001
629998	15200	6850	5400184.2	396040.9	-0.01	-0.01	0.07	-0.001	0.07	0.07	-1	-0.001	-0.001
629999	15200	6900	5400165.4	396087.3	-0.01	-0.01	-0.05	0.001	0.08	0.033	-1	0.001	-0.001
630000	15200	6950	5400146.5	396133.6	0.012	0.023	0.25	0.001	0.213	0.049	-1	0.002	-0.001
827201	15200	7000	5400127.7	396179.9	-0.01	-0.01	0.13	0.001	0.189	0.014	-1	0.001	-0.001
827202	15200	7050	5400108.9	396226.2	0.018	0.02	0.22	-0.001	0.02	-0.01	-1	0.002	-0.001
827203	15200	7100	5400090.1	396272.5	0.019	0.027	0.1	-0.001	0.033	-0.01	-1	-0.001	-0.001
827204	15200	7150	5400071.2	396318.9	0.017	0.012	0.06	-0.001	-0.01	-0.01	-1	0.002	-0.001
827205	15200	7200	5400052.4	396365.2	0.012	-0.01	0.27	0.002	0.068	-0.01	-1	-0.001	-0.001

309135

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827206	15200	7250	5400033.6	396411.5	0.012	0.026	0.32	0.003	0.035	0.012	-1	0.003	-0.001
827207	15200	7300	5400014.8	396457.8	-0.01	0.029	0.55	0.005	0.027	0.031	1	-0.001	-0.001
827208	15200	7350	5399995.9	396504.1	-0.01	0.022	0.47	0.008	0.042	0.014	-1	0.002	-0.001
827209	15200	7400	5399977.1	396550.5	0.039	0.048	0.32	0.003	0.032	0.017	1	0.002	-0.001
827210	15200	7450	5399958.3	396596.8	-0.01	-0.01	0.11	-0.001	-0.01	-0.01	-1	0.002	-0.001
827211	15200	7500	5399939.5	396643.1	0.072	-0.01	0.19	0.001	-0.01	0.019	6	-0.001	-0.001
828302	15200	7550	5399920.6	396689.4	-0.01	0.015	0.2	0.004	0.022	0.021	5	-0.001	-0.001
828303	15200	7600	5399901.8	396735.7	0.026	-0.01	0.29	0.003	0.028	-0.01	2	-0.001	-0.001
828304	15200	7650	5399883.0	396782.1	0.012	0.016	0.54	0.005	0.035	0.014	2	-0.001	-0.001
828305	15200	7700	5399864.2	396828.4	0.034	0.037	0.74	0.004	0.029	0.044	3	-0.001	-0.001
828306	15200	7750	5399845.3	396874.7	0.017	0.019	0.58	0.003	0.03	0.092	4	-0.001	-0.001
828307	15200	7800	5399826.5	396921.0	0.016	0.154	0.17	0.005	0.025	0.012	3	0.002	-0.001
828308	15200	7850	5399807.7	396967.3	0.019	0.038	0.33	0.005	0.027	0.011	2	0.002	-0.001
828309	15200	7900	5399788.9	397013.7	0.012	0.01	0.21	0.006	0.023	0.015	1	-0.001	-0.001
828310	15200	7950	5399770.0	397060.0	0.029	-0.01	0.26	0.005	0.035	0.021	1	-0.001	-0.001
828311	15200	8000	5399751.2	397106.3	0.028	-0.01	0.32	0.006	0.025	0.035	1	-0.001	-0.001
828312	15200	8050	5399732.4	397152.6	0.031	0.057	0.42	0.006	0.062	0.038	1	-0.001	-0.001
828313	15200	8100	5399713.6	397199.0	0.012	0.029	0.41	0.009	0.033	-0.01	-1	-0.001	-0.001
828314	15200	8150	5399694.7	397245.3	0.016	0.025	0.26	0.002	0.01	0.017	-1	-0.001	-0.001
828315	15200	8200	5399675.9	397291.6	0.011	0.032	0.3	0.008	0.015	0.011	-1	0.001	-0.001
828316	15200	8250	5399657.1	397337.9	0.011	0.018	0.35	0.004	-0.01	-0.01	-1	0.003	-0.001
828317	15200	8300	5399638.3	397384.2	0.012	0.024	0.2	-0.001	0.023	-0.01	-1	0.003	-0.001
828318	15200	8350	5399619.4	397430.6	0.049	0.043	0.12	-0.001	0.013	0.011	-1	0.004	-0.001
828319	15200	8400	5399600.6	397476.9	0.015	0.033	0.16	0.002	0.025	0.018	-1	0.002	-0.001
828320	15200	8450	5399581.8	397523.2	0.028	0.03	0.46	0.003	-0.01	-0.01	-1	0.002	-0.001
828321	15200	8500	5399563.0	397569.5	0.025	-0.01	0.25	0.001	0.012	-0.01	-1	-0.001	-0.001
828322	15200	8550	5399544.1	397615.8	0.032	0.012	0.26	0.004	0.168	0.035	-1	-0.001	-0.001
828323	15200	8600	5399525.3	397662.2	0.03	0.03	0.31	0.006	0.336	0.029	1	0.002	-0.001
828324	15200	8650	5399506.5	397708.5	0.02	-0.01	0.13	0.001	0.1	0.017	-1	-0.001	-0.001
828325	15200	8700	5399487.7	397754.8	0.027	-0.01	0.11	0.004	0.134	0.234	-1	0.002	-0.001
828326	15200	8750	5399468.8	397801.1	0.021	-0.01	-0.05	-0.001	0.048	-0.01	-1	-0.001	-0.001
828327	15200	8800	5399450.0	397847.4	0.011	-0.01	-0.05	0.001	0.095	-0.01	-1	-0.001	-0.001
828328	15200	8850	5399431.2	397893.8	0.01	-0.01	0.27	0.003	0.283	0.013	1	-0.001	-0.001
828330	15200	8900	5399412.4	397940.1	0.017	0.032	4.14	0.006	0.155	0.075	-1	0.004	-0.001
828331	15200	8950	5399393.5	397986.4	-0.01	-0.01	0.07	0.001	0.07	-0.01	-1	-0.001	-0.001
828332	15200	9000	5399374.7	398032.7	-0.01	-0.01	0.23	0.002	0.298	0.072	-1	-0.001	-0.001
828587	15400	6300	5400575.3	395608.0	-0.01	-0.01	0.15	-0.001	0.122	-0.01	-1	-0.001	-0.001
828588	15400	6350	5400556.5	395654.3	0.016	-0.01	0.17	0.002	0.206	0.017	-1	0.001	-0.001
828589	15400	6400	5400537.6	395700.6	0.01	-0.01	0.1	-0.001	0.105	-0.01	-1	-0.001	-0.001
828590	15400	6450	5400518.8	395746.9	0.011	-0.01	0.16	0.002	0.125	-0.01	-1	-0.001	-0.001
828592	15400	6500	5400500.0	395793.2	0.016	0.022	0.41	0.004	0.197	0.039	-1	0.002	-0.001

309136

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828593	15400	6550	5400481.1	395839.6	0.016	-0.01	0.53	0.004	0.233	0.125	-1	-0.001	-0.001
828594	15400	6600	5400462.3	395885.9	-0.01	-0.01	0.15	0.001	0.109	0.018	-1	-0.001	-0.001
828595	15400	6650	5400443.5	395932.2	0.011	-0.01	0.11	0.001	0.088	-0.01	-1	-0.001	-0.001
828596	15400	6700	5400424.7	395978.5	-0.01	-0.01	0.09	0.001	0.139	-0.01	-1	-0.001	-0.001
828597	15400	6750	5400405.8	396024.8	-0.01	-0.01	0.11	-0.001	0.149	0.011	-1	-0.001	-0.001
828598	15400	6800	5400387.0	396071.2	0.01	-0.01	0.2	0.002	0.259	0.024	-1	-0.001	-0.001
828599	15400	6850	5400368.2	396117.5	-0.01	-0.01	0.06	0.001	0.147	-0.01	-1	-0.001	-0.001
828600	15400	6900	5400349.3	396163.8	-0.01	-0.01	0.08	-0.001	0.043	0.014	-1	-0.001	-0.001
828601	15400	6950	5400330.5	396210.1	-0.01	-0.01	0.11	0.001	0.112	0.09	-1	-0.001	-0.001
828602	15400	7000	5400311.7	396256.4	-0.01	-0.01	0.09	0.001	0.142	0.212	1	-0.001	-0.001
828603	15400	7050	5400292.9	396302.8	-0.01	-0.01	0.08	0.001	0.066	0.05	-1	-0.001	-0.001
828604	15400	7100	5400274.0	396349.1	-0.01	-0.01	0.19	0.004	0.108	0.022	-1	-0.001	-0.001
828605	15400	7150	5400255.2	396395.4	0.016	-0.01	0.32	-0.001	-0.01	-0.01	-1	0.002	-0.001
828606	15400	7200	5400236.4	396441.7	0.011	0.013	0.06	-0.001	-0.01	-0.01	-1	0.002	-0.001
828607	15400	7250	5400217.5	396488.0	-0.01	0.018	0.19	0.004	-0.01	-0.01	1	-0.001	-0.001
828608	15400	7300	5400198.7	396534.3	-0.01	0.032	0.38	0.005	0.017	0.014	1	-0.001	-0.001
828609	15400	7350	5400179.9	396580.7	-0.01	-0.01	0.1	0.003	-0.01	0.015	1	-0.001	-0.001
828610	15400	7400	5400161.0	396627.0	-0.01	-0.01	0.12	0.001	-0.01	0.075	5	-0.001	-0.001
828611	15400	7450	5400142.2	396673.3	-0.01	0.012	0.1	0.002	-0.01	0.017	2	-0.001	-0.001
828612	15400	7500	5400123.4	396719.6	0.019	0.047	0.49	0.005	0.02	0.019	-1	-0.001	-0.001
828613	15400	7550	5400104.6	396765.9	-0.01	-0.01	0.3	-0.001	-0.01	-0.01	24	-0.001	-0.001
828614	15400	7600	5400085.7	396812.3	-0.01	0.018	0.2	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828615	15400	7650	5400066.9	396858.6	-0.01	-0.01	1.01	0.001	-0.01	0.01	1	-0.001	-0.001
828616	15400	7700	5400048.1	396904.9	-0.01	0.035	0.17	0.001	-0.01	-0.01	1	-0.001	-0.001
828617	15400	7750	5400029.2	396951.2	-0.01	0.017	0.15	0.001	-0.01	0.032	7	-0.001	-0.001
828618	15400	7800	5400010.4	396997.5	0.016	0.022	0.24	0.002	-0.01	0.029	2	-0.001	-0.001
828619	15400	7850	5399991.6	397043.9	-0.01	0.029	0.34	0.004	0.054	-0.01	-1	-0.001	-0.001
828620	15400	7900	5399972.7	397090.2	0.012	0.036	0.75	0.007	0.052	0.044	-1	0.002	-0.001
828621	15400	7950	5399953.9	397136.5	-0.01	0.01	0.32	0.003	0.039	0.043	1	-0.001	-0.001
828622	15400	8000	5399935.1	397182.8	-0.01	0.011	0.29	0.002	0.049	0.014	1	-0.001	-0.001
828623	15400	8050	5399916.3	397229.1	0.02	-0.01	0.3	0.003	0.024	-0.01	1	0.001	-0.001
828626	15400	8100	5399897.4	397275.5	0.023	-0.01	0.16	0.003	0.018	-0.01	-1	-0.001	-0.001
828627	15400	8150	5399878.6	397321.8	-0.01	-0.01	0.2	0.001	0.02	0.014	-1	-0.001	-0.001
828628	15400	8200	5399859.8	397368.1	0.088	0.012	0.46	0.002	0.043	-0.01	-1	0.002	-0.001
828629	15400	8250	5399840.9	397414.4	-0.01	-0.01	0.24	-0.001	0.018	0.044	4	-0.001	-0.001
828630	15400	8300	5399822.1	397460.7	0.01	-0.01	0.3	0.001	0.019	0.062	3	0.001	-0.001
828631	15400	8350	5399803.3	397507.0	-0.01	-0.01	0.18	-0.001	-0.01	0.03	6	0.002	-0.001
828632	15400	8400	5399784.5	397553.4	-0.01	0.017	0.13	0.001	0.021	0.029	2	0.002	-0.001
827311	15600	6000	5400874.8	395404.1	0.014	-0.01	0.28	0.003	0.245	0.176	2	-0.001	-0.001
827312	15600	6050	5400855.9	395450.4	0.012	-0.01	0.16	0.001	0.192	0.088	2	-0.001	-0.001
827313	15600	6100	5400837.1	395496.7	0.012	-0.01	0.42	0.007	0.351	0.368	3	-0.001	-0.001

309137

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827314	15600	6150	5400818.3	395543.0	0.023	-0.01	0.27	0.007	0.476	0.014	3	0.003	-0.001
827316	15600	6200	5400799.5	395589.4	0.013	-0.01	0.11	0.003	0.223	-0.01	1	-0.001	-0.001
827317	15600	6250	5400780.7	395635.7	0.036	0.011	0.13	0.004	0.186	0.038	1	-0.001	-0.001
827318	15600	6300	5400761.8	395682.0	0.011	-0.01	0.16	0.003	0.236	0.033	-1	0.001	-0.001
827319	15600	6350	5400743.0	395728.3	-0.01	0.146	0.11	-0.001	0.181	0.087	-1	-0.001	-0.001
827320	15600	6400	5400724.2	395774.6	-0.01	0.015	0.11	0.003	0.285	0.085	2	0.002	-0.001
827321	15600	6450	5400705.4	395821.0	0.011	0.02	0.13	0.003	0.266	0.084	1	0.001	-0.001
827322	15600	6500	5400686.5	395867.3	-0.01	0.026	0.18	0.011	0.183	0.037	-1	-0.001	-0.001
827323	15600	6550	5400667.7	395913.6	0.019	0.032	0.1	0.002	0.198	0.017	2	-0.001	-0.001
827324	15600	6600	5400648.9	395959.9	0.02	0.042	0.15	0.004	0.227	0.049	1	0.002	-0.001
827325	15600	6650	5400630.1	396006.2	-0.01	-0.01	0.16	0.005	0.516	0.022	1	-0.001	-0.001
827326	15600	6700	5400611.2	396052.6	0.013	-0.01	0.41	0.007	0.853	0.1	1	-0.001	-0.001
827327	15600	6750	5400592.4	396098.9	0.011	0.014	-0.05	-0.001	0.115	0.047	1	-0.001	-0.001
827328	15600	6800	5400573.6	396145.2	-0.01	-0.01	0.09	0.004	0.327	0.037	-1	0.002	-0.001
828258	15600	6850	5400554.8	396191.5	0.031	-0.01	-0.05	0.001	0.064	0.063	-1	0.002	-0.001
828259	15600	6900	5400535.9	396237.8	0.014	-0.01	-0.05	-0.001	0.017	0.014	-1	-0.001	-0.001
828260	15600	6950	5400517.1	396284.2	0.013	-0.01	0.05	-0.001	0.065	0.039	-1	0.002	-0.001
828261	15600	7000	5400498.3	396330.5	0.015	-0.01	0.19	0.003	0.154	0.034	-1	0.001	-0.001
828262	15600	7050	5400479.5	396376.8	0.021	-0.01	-0.05	-0.001	-0.01	-0.01	-1	0.003	-0.001
828263	15600	7100	5400460.6	396423.1	0.026	0.025	0.45	0.005	-0.01	-0.01	-1	0.006	-0.001
828264	15600	7150	5400441.8	396469.5	0.022	-0.01	-0.05	-0.001	0.011	-0.01	-1	-0.001	-0.001
828265	15600	7200	5400423.0	396515.8	0.013	-0.01	-0.05	-0.001	-0.01	0.012	-1	0.004	-0.001
828266	15600	7250	5400404.2	396562.1	0.016	0.011	0.09	0.001	-0.01	0.01	-1	0.005	-0.001
828267	15600	7300	5400385.3	396608.4	0.023	0.016	-0.05	-0.001	-0.01	-0.01	-1	0.008	-0.001
828268	15600	7350	5400366.5	396654.7	0.017	0.013	0.47	0.002	0.02	0.067	19	0.003	-0.001
828269	15600	7400	5400347.7	396701.1	0.014	0.012	0.23	0.001	-0.01	-0.01	3	0.004	-0.001
828270	15600	7450	5400328.9	396747.4	0.014	0.03	0.58	0.002	0.021	0.011	1	0.002	-0.001
828271	15600	7500	5400310.0	396793.7	-0.01	-0.01	0.14	0.003	0.035	-0.01	-1	-0.001	-0.001
828272	15600	7550	5400291.2	396840.0	0.012	0.02	0.69	0.004	0.017	0.011	2	0.001	-0.001
828273	15600	7600	5400272.4	396886.3	0.023	0.013	0.38	0.002	0.014	0.018	1	0.002	-0.001
828274	15600	7650	5400253.6	396932.7	0.012	0.011	0.27	0.002	-0.01	-0.01	1	-0.001	0.001
828275	15600	7700	5400234.7	396979.0	-0.01	-0.01	0.38	0.003	0.02	0.014	-1	0.001	-0.001
828276	15600	7750	5400215.9	397025.3	0.01	0.011	0.17	0.002	0.03	-0.01	-1	0.001	-0.001
828277	15600	7800	5400197.1	397071.6	0.017	0.018	0.55	0.005	0.031	0.01	2	-0.001	-0.001
828278	15600	7850	5400178.3	397117.9	0.011	0.016	0.26	0.007	0.034	0.014	2	0.003	-0.001
828279	15600	7900	5400159.4	397164.3	0.024	0.012	0.33	0.002	0.015	-0.01	-1	-0.001	-0.001
828280	15600	7950	5400140.6	397210.6	0.043	0.022	1.09	0.003	-0.01	0.016	1	0.002	-0.001
828281	15600	8000	5400121.8	397256.9	-0.01	0.022	0.33	0.002	0.022	0.017	1	-0.001	-0.001
828283	15600	8050	5400103.0	397303.2	0.045	0.018	0.24	0.004	0.022	-0.01	-1	0.002	-0.001
828284	15600	8100	5400084.1	397349.6	0.012	0.013	0.41	0.003	-0.01	0.02	-1	-0.001	-0.001
828285	15600	8150	5400065.3	397395.9	-0.01	-0.01	0.2	-0.001	-0.01	0.021	2	0.002	-0.001

3009138

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828286	15600	8200	5400046.5	397442.2	-0.01	0.012	0.29	0.002	0.061	0.015	2	-0.001	0.001
828287	15600	8250	5400027.7	397488.5	0.018	0.017	0.33	0.002	0.114	0.031	-1	0.002	-0.001
828288	15600	8300	5400008.8	397534.8	0.012	-0.01	0.19	-0.001	0.012	-0.01	12	-0.001	-0.001
828289	15600	8350	5399990.0	397581.2	0.016	-0.01	0.32	0.002	0.04	0.065	9	0.002	-0.001
828290	15600	8400	5399971.2	397627.5	0.012	0.014	0.36	0.002	0.032	-0.01	-1	0.006	-0.001
828291	15600	8450	5399952.4	397673.8	0.019	-0.01	0.43	0.002	0.021	0.01	-1	-0.001	-0.001
828292	15600	8500	5399933.5	397720.1	0.021	-0.01	0.28	0.001	0.071	-0.01	-1	-0.001	-0.001
828295	15600	8550	5399914.7	397766.4	0.038	-0.01	0.29	0.005	0.118	0.029	-1	0.004	-0.001
828296	15600	8600	5399895.9	397812.8	0.023	-0.01	0.11	0.001	0.192	0.027	-1	-0.001	-0.001
828297	15600	8650	5399877.1	397859.1	0.018	-0.01	0.14	0.001	0.092	0.013	-1	-0.001	-0.001
828298	15600	8700	5399858.2	397905.4	-0.01	-0.01	0.17	0.001	0.102	0.109	-1	-0.001	-0.001
828299	15600	8750	5399839.4	397951.7	0.016	0.02	0.6	0.008	0.123	0.039	2	0.001	-0.001
828300	15600	8800	5399820.6	397998.0	0.042	-0.01	0.74	0.005	0.423	0.102	1	-0.001	-0.001
827332	16000	6050	5401226.5	395601.0	-0.01	-0.01	0.1	0.007	0.305	0.027	2	-0.001	-0.001
827333	16000	6100	5401207.7	395647.3	0.019	-0.01	0.64	0.01	0.916	0.309	4	-0.001	-0.001
827334	16000	6150	5401188.9	395693.6	-0.01	-0.01	0.17	0.006	0.468	0.02	3	-0.001	-0.001
827335	16000	6200	5401170.0	395740.0	-0.01	-0.01	-0.05	0.002	0.279	0.015	6	-0.001	-0.001
827344	16000	6250	5401151.2	395786.3	0.028	0.035	-0.05	-0.001	0.117	0.015	-1	0.002	-0.001
827337	16000	6300	5401132.4	395832.6	-0.01	-0.01	0.26	0.006	0.721	0.02	1	0.001	-0.001
827339	16000	6350	5401113.6	395878.9	0.021	0.172	0.19	0.002	0.295	0.022	-1	-0.001	-0.001
827340	16000	6400	5401094.7	395925.2	-0.01	-0.01	-0.05	-0.001	0.106	0.015	-1	-0.001	-0.001
827341	16000	6450	5401075.9	395971.6	0.024	-0.01	-0.05	-0.001	0.023	-0.01	-1	-0.001	-0.001
827342	16000	6500	5401057.1	396017.9	-0.01	-0.01	0.12	-0.001	0.091	0.025	-1	0.001	-0.001
827343	16000	6560	5401034.5	396073.5	0.031	-0.01	0.19	-0.001	0.146	0.165	-1	-0.001	-0.001
827336	16000	6600	5401019.4	396110.5	-0.01	-0.01	0.24	0.003	0.448	0.251	1	0.001	-0.001
828234	16000	6650	5401000.6	396156.8	0.035	-0.01	0.17	0.003	0.311	0.152	-1	0.003	-0.001
828235	16000	6700	5400981.8	396203.2	0.034	-0.01	0.11	-0.001	0.224	0.273	1	-0.001	-0.001
828236	16000	6750	5400963.0	396249.5	0.028	-0.01	0.08	0.003	0.225	0.096	1	-0.001	-0.001
828237	16000	6800	5400944.1	396295.8	0.017	-0.01	-0.05	-0.001	0.082	0.021	-1	0.002	-0.001
828238	16000	6850	5400925.3	396342.1	0.017	-0.01	-0.05	0.003	0.138	0.024	-1	-0.001	-0.001
828239	16000	6900	5400906.5	396388.4	0.016	-0.01	-0.05	0.002	0.132	0.069	-1	-0.001	-0.001
828240	16000	6950	5400887.7	396434.8	0.019	-0.01	0.16	0.002	0.175	0.036	-1	0.002	-0.001
828241	16000	7000	5400868.8	396481.1	0.015	-0.01	-0.05	0.002	0.14	0.029	-1	-0.001	-0.001
828243	16000	7050	5400850.0	396527.4	0.018	-0.01	-0.05	0.001	0.12	-0.01	-1	0.002	-0.001
828244	16000	7100	5400831.2	396573.7	0.014	0.01	0.24	0.003	0.273	-0.01	-1	-0.001	-0.001
828245	16000	7150	5400812.4	396620.1	0.034	0.019	0.31	0.002	0.024	-0.01	-1	0.002	-0.001
828246	16000	7200	5400793.5	396666.4	0.018	0.022	0.12	-0.001	0.019	-0.01	-1	0.002	-0.001
828247	16000	7250	5400774.7	396712.7	0.011	0.015	0.09	-0.001	-0.01	-0.01	-1	0.008	-0.001
828248	16000	7300	5400755.9	396759.0	0.026	0.01	0.07	-0.001	-0.01	-0.01	-1	0.001	-0.001
828249	16000	7350	5400737.1	396805.3	0.024	-0.01	0.05	-0.001	-0.01	-0.01	-1	0.003	-0.001
828250	16000	7400	5400718.2	396851.7	0.021	0.016	0.26	-0.001	0.01	0.023	2	-0.001	-0.001

3091139

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828251	16000	7450	5400699.4	396898.0	0.044	0.021	0.24	0.002	0.046	0.011	1	0.006	-0.001
828252	16000	7500	5400680.6	396944.3	0.025	0.028	0.42	0.002	0.102	0.031	1	-0.001	-0.001
828253	16000	7550	5400661.8	396990.6	0.028	0.016	-0.05	-0.001	0.071	-0.01	-1	-0.001	-0.001
827345	16000	7600	5400643.0	397036.9	-0.01	-0.01	0.1	-0.001	0.084	-0.01	-1	-0.001	-0.001
827346	16000	7650	5400624.1	397083.3	-0.01	-0.01	-0.05	-0.001	0.047	0.014	-1	-0.001	-0.001
827347	16000	7700	5400605.3	397129.6	0.011	0.014	-0.05	-0.001	0.013	-0.01	-1	0.002	-0.001
827348	16000	7750	5400586.5	397175.9	0.01	0.01	0.02	0.002	0.018	0.005	-1	0.002	-0.001
827349	16000	7800	5400567.7	397222.2	-0.01	-0.01	-0.05	-0.001	-0.01	-0.01	-1	0.004	-0.001
827350	16000	7850	5400548.8	397268.5	-0.01	0.02	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
827351	16000	7900	5400530.0	397314.9	-0.01	0.02	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
827352	16000	7950	5400511.2	397361.2	-0.01	-0.01	0.79	0.001	-0.01	0.025	7	-0.001	-0.001
827353	16000	8000	5400492.4	397407.5	-0.01	-0.01	0.08	-0.001	-0.01	0.021	1	-0.001	-0.001
827354	16000	8050	5400473.5	397453.8	-0.01	-0.01	-0.05	-0.001	-0.01	-0.01	1	-0.001	-0.001
827355	16000	8100	5400454.7	397500.1	-0.01	-0.01	0.06	-0.001	0.019	0.011	7	-0.001	-0.001
827356	16000	8150	5400435.9	397546.5	-0.01	0.027	-0.05	-0.001	0.012	-0.01	3	0.001	-0.001
827357	16000	8200	5400417.1	397592.8	-0.01	-0.01	0.1	-0.001	0.012	-0.01	3	-0.001	-0.001
827358	16000	8250	5400398.2	397639.1	-0.01	0.011	0.35	0.003	0.042	0.02	2	-0.001	-0.001
827359	16000	8300	5400379.4	397685.4	-0.01	-0.01	0.06	-0.001	0.022	0.047	9	-0.001	-0.001
827360	16000	8350	5400360.6	397731.8	-0.01	0.012	0.15	0.002	0.086	0.04	-1	-0.001	-0.001
827361	16000	8400	5400341.8	397778.1	-0.01	-0.01	0.12	0.002	0.125	0.029	-1	-0.001	-0.001
827362	16000	8450	5400322.9	397824.4	-0.01	-0.01	0.08	0.001	0.13	0.069	-1	-0.001	-0.001
827363	16000	8500	5400304.1	397870.7	0.018	-0.01	0.33	0.003	0.175	0.03	-1	0.004	-0.001
827364	16000	8550	5400285.3	397917.0	0.01	-0.01	0.37	0.001	0.121	0.09	-1	0.002	-0.001
827365	16000	8600	5400266.5	397963.4	0.061	-0.01	0.2	0.003	0.102	0.077	-1	0.001	-0.001
827366	16000	8650	5400247.6	398009.7	0.01	-0.01	0.13	0.003	0.145	0.068	-1	0.001	-0.001
827367	16000	8700	5400228.8	398056.0	-0.01	-0.01	-0.05	0.004	0.269	0.04	-1	-0.001	-0.001
827368	16000	8750	5400210.0	398102.3	-0.01	-0.01	-0.05	0.001	0.145	0.011	-1	0.001	-0.001
827369	16000	8800	5400191.2	398148.6	-0.01	-0.01	-0.05	-0.001	0.132	0.018	-1	0.002	-0.001
827370	16000	8850	5400172.3	398195.0	-0.01	-0.01	0.11	0.002	0.104	-0.01	-1	-0.001	-0.001
827371	16000	8900	5400153.5	398241.3	-0.01	-0.01	-0.05	0.001	0.061	-0.01	-1	-0.001	-0.001
827374	16000	8950	5400134.7	398287.6	0.016	-0.01	0.31	0.003	0.31	-0.01	1	0.002	-0.001
827375	16000	9000	5400115.9	398333.9	0.014	-0.01	0.35	0.003	0.289	0.017	-1	-0.001	-0.001
827376	16000	9050	5400097.0	398380.2	-0.01	-0.01	0.6	0.004	0.287	0.012	1	-0.001	-0.001
827377	16000	9100	5400078.2	398426.6	-0.01	-0.01	0.23	0.003	0.204	0.015	-1	-0.001	-0.001
827378	16000	9150	5400059.4	398472.9	-0.01	-0.01	-0.05	-0.001	0.091	-0.01	-1	-0.001	-0.001
827379	16000	9200	5400040.6	398519.2	-0.01	-0.01	-0.05	-0.001	0.077	-0.01	-1	-0.001	-0.001
828186	16500	7000	5401332.1	396669.3	0.031	0.015	0.31	0.003	0.024	-0.01	-1	0.001	-0.001
828187	16500	7050	5401313.2	396715.7	0.019	0.013	0.3	0.002	0.022	-0.01	-1	0.004	-0.001
828188	16500	7100	5401294.4	396762.0	0.015	-0.01	0.08	0.001	0.018	-0.01	-1	-0.001	-0.001
828189	16500	7150	5401275.6	396808.3	0.022	-0.01	0.09	0.002	0.011	-0.01	-1	0.003	-0.001
828190	16500	7200	5401256.8	396854.6	0.066	0.035	0.07	0.004	0.015	-0.01	-1	0.003	-0.001

309140

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828191	16500	7250	5401237.9	396900.9	0.037	0.038	0.09	0.002	-0.01	-0.01	-1	0.005	-0.001
828192	16500	7300	5401219.1	396947.3	0.035	-0.01	0.06	-0.001	0.017	-0.01	-1	-0.001	-0.001
828193	16500	7350	5401200.3	396993.6	0.024	0.012	0.17	-0.001	0.015	-0.01	-1	0.003	-0.001
828194	16500	7400	5401181.5	397039.9	0.031	0.012	0.09	-0.001	-0.01	-0.01	-1	0.004	-0.001
828195	16500	7450	5401162.6	397086.2	0.018	-0.01	-0.05	-0.001	0.012	-0.01	-1	0.005	-0.001
828196	16500	7500	5401143.8	397132.5	0.022	0.016	0.36	0.004	0.013	-0.01	1	0.004	-0.001
828197	16500	7550	5401125.0	397178.9	0.018	-0.01	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828198	16500	7600	5401106.2	397225.2	0.021	-0.01	-0.05	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828199	16500	7650	5401087.3	397271.5	0.021	0.01	0.07	0.003	0.012	-0.01	-1	0.002	-0.001
828200	16500	7700	5401068.5	397317.8	0.025	0.034	0.61	0.006	0.024	-0.01	1	-0.001	-0.001
828201	16500	7750	5401049.7	397364.1	0.032	0.018	0.12	0.002	0.025	-0.01	-1	0.004	-0.001
828203	16500	7800	5401030.9	397410.5	0.018	-0.01	0.28	0.003	0.01	-0.01	-1	0.001	-0.001
828204	16500	7850	5401012.0	397456.8	0.024	0.012	0.37	0.004	0.015	-0.01	1	0.002	-0.001
828205	16500	7875	5401002.6	397480.0	0.032	0.017	0.24	0.003	0.013	-0.01	2	-0.001	-0.001
828206	16500	7950	5400974.4	397549.4	0.024	0.012	0.07	0.003	0.018	-0.01	-1	0.002	-0.001
828207	16500	8000	5400955.6	397595.8	0.02	-0.01	-0.05	0.001	0.011	-0.01	-1	-0.001	-0.001
828208	16500	8050	5400936.7	397642.1	0.033	-0.01	-0.05	-0.001	-0.01	-0.01	-1	0.002	-0.001
828209	16500	8100	5400917.9	397688.4	0.023	-0.01	0.07	-0.001	0.015	-0.01	-1	0.003	-0.001
828210	16500	8150	5400899.1	397734.7	0.029	-0.01	0.14	0.001	0.012	-0.01	-1	0.004	-0.001
828211	16500	8200	5400880.3	397781.0	0.039	0.013	0.08	0.002	0.012	-0.01	-1	-0.001	-0.001
828212	16500	8250	5400861.4	397827.4	0.015	0.015	0.47	0.006	0.01	-0.01	-1	0.004	-0.001
828213	16500	8300	5400842.6	397873.7	0.023	0.015	0.38	0.005	0.015	-0.01	-1	0.003	-0.001
828216	16500	8350	5400823.8	397920.0	0.02	0.016	0.09	0.002	0.029	-0.01	-1	0.001	-0.001
828217	16500	8400	5400805.0	397966.3	0.031	-0.01	-0.05	-0.001	0.021	-0.01	-1	0.001	-0.001
828218	16500	8450	5400786.1	398012.6	0.016	-0.01	0.06	0.001	-0.01	-0.01	-1	0.001	-0.001
828219	16500	8500	5400767.3	398059.0	0.021	-0.01	-0.05	-0.001	0.032	0.028	-1	0.003	-0.001
828220	16500	8550	5400748.5	398105.3	0.025	-0.01	0.18	0.001	0.039	-0.01	-1	0.001	-0.001
828221	16500	8600	5400729.7	398151.6	0.021	-0.01	0.11	-0.001	0.07	0.066	2	0.004	-0.001
827214	16600	8600	5400822.3	398189.3	-0.01	-0.01	0.33	0.003	0.214	0.012	-1	0.002	-0.001
827215	16600	8650	5400803.5	398235.6	-0.01	-0.01	-0.05	-0.001	0.208	-0.01	-1	-0.001	-0.001
827216	16600	8700	5400784.7	398281.9	0.033	-0.01	-0.05	-0.001	0.171	-0.01	-1	-0.001	-0.001
827217	16600	8750	5400765.8	398328.2	0.023	0.063	0.39	0.002	0.251	0.068	-1	-0.001	-0.001
827218	16600	8800	5400747.0	398374.5	-0.01	-0.01	0.07	0.001	0.2	0.012	1	-0.001	-0.001
827219	16600	8825	5400737.6	398397.7	-0.01	0.011	-0.05	-0.001	0.05	-0.01	-1	-0.001	-0.001
827220	16600	8900	5400709.4	398467.2	-0.01	-0.01	-0.05	-0.001	0.044	-0.01	-1	-0.001	-0.001
827221	16600	8950	5400690.5	398513.5	-0.01	-0.01	0.08	-0.001	0.157	-0.01	-1	-0.001	-0.001
827222	16600	9000	5400671.7	398559.8	-0.01	-0.01	0.23	0.002	0.472	0.069	-1	-0.001	-0.001
827223	16600	9050	5400652.9	398606.1	-0.01	-0.01	-0.05	0.002	0.163	-0.01	-1	-0.001	-0.001
827224	16600	9100	5400634.1	398652.5	-0.01	-0.01	-0.05	-0.001	0.182	-0.01	-1	-0.001	-0.001
827225	16600	9150	5400615.2	398698.8	-0.01	-0.01	-0.05	-0.001	0.115	-0.01	-1	0.002	-0.001
827226	16600	9200	5400596.4	398745.1	-0.01	-0.01	0.07	-0.001	0.138	0.016	-1	0.002	-0.001

309141

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827227	16600	9265	5400571.9	398805.3	-0.01	-0.01	0.23	0.001	0.31	0.187	1	0.003	-0.001
827228	16600	9300	5400558.8	398837.7	0.012	-0.01	0.3	0.003	0.14	0.083	-1	-0.001	-0.001
827229	16600	9350	5400539.9	398884.1	0.012	-0.01	0.19	0.007	0.403	0.079	-1	0.001	-0.001
827230	16600	9400	5400521.1	398930.4	-0.01	-0.01	-0.05	0.002	0.205	-0.01	-1	-0.001	-0.001
827231	16600	9450	5400502.3	398976.7	-0.01	-0.01	-0.05	0.001	0.108	-0.01	-1	-0.001	-0.001
828633	16800	7300	5401495.6	397061.6	-0.01	0.037	0.17	0.001	0.021	-0.01	-1	0.002	-0.001
828634	16800	7350	5401476.8	397107.9	0.011	0.02	0.12	-0.001	0.014	-0.01	-1	0.003	-0.001
828635	16800	7400	5401458.0	397154.2	0.011	-0.01	0.19	-0.001	-0.01	-0.01	-1	0.002	-0.001
828636	16800	7450	5401439.1	397200.5	-0.01	-0.01	0.21	-0.001	-0.01	-0.01	-1	0.002	-0.001
828637	16800	7500	5401420.3	397246.9	0.025	0.027	0.29	-0.001	0.03	-0.01	-1	0.012	-0.001
828638	16800	7550	5401401.5	397293.2	0.026	-0.01	0.1	-0.001	-0.01	-0.01	2	0.003	-0.001
828639	16800	7600	5401382.7	397339.5	0.01	0.011	0.13	-0.001	-0.01	-0.01	-1	0.002	-0.001
828640	16800	7650	5401363.8	397385.8	0.015	-0.01	0.12	-0.001	0.01	-0.01	-1	0.003	-0.001
828641	16800	7700	5401345.0	397432.1	-0.01	-0.01	0.09	-0.001	-0.01	-0.01	-1	0.001	-0.001
828642	16800	7750	5401326.2	397478.5	0.012	0.019	0.32	-0.001	0.02	-0.01	-1	0.002	-0.001
828643	16800	7800	5401307.3	397524.8	-0.01	0.038	0.24	-0.001	0.011	-0.01	1	0.001	-0.001
828644	16800	7850	5401288.5	397571.1	0.012	0.011	0.16	-0.001	-0.01	-0.01	-1	0.002	-0.001
828645	16800	7900	5401269.7	397617.4	0.021	0.018	0.49	-0.001	0.011	-0.01	-1	0.003	-0.001
828646	16800	7950	5401250.8	397663.7	0.014	0.019	0.2	-0.001	-0.01	-0.01	-1	0.003	-0.001
828647	16800	8000	5401232.0	397710.0	0.014	0.019	0.49	-0.001	0.017	-0.01	-1	0.003	-0.001
828648	16800	8050	5401213.2	397756.4	0.02	0.01	0.12	-0.001	-0.01	-0.01	-1	0.003	-0.001
828649	16800	8100	5401194.4	397802.7	0.02	0.019	0.3	-0.001	-0.01	-0.01	-1	0.001	-0.001
828650	16800	8150	5401175.5	397849.0	-0.01	0.01	0.14	-0.001	-0.01	-0.01	-1	0.001	-0.001
828652	16800	8200	5401156.7	397895.3	0.021	0.017	0.19	-0.001	0.013	-0.01	-1	0.002	-0.001
828653	16800	8250	5401137.9	397941.6	0.021	0.02	0.24	-0.001	0.019	-0.01	-1	0.003	-0.001
828654	16800	8300	5401119.0	397988.0	0.017	0.026	0.25	0.002	0.027	-0.01	-1	0.001	-0.001
828655	16800	8350	5401100.2	398034.3	0.021	0.015	0.16	-0.001	0.016	-0.01	-1	0.002	-0.001
828656	16800	8400	5401081.4	398080.6	-0.01	-0.01	0.15	0.001	0.015	-0.01	-1	-0.001	-0.001
828657	16800	8450	5401062.6	398126.9	0.02	0.013	0.23	0.002	0.271	-0.01	-1	-0.001	-0.001
828658	16800	8500	5401043.7	398173.2	-0.01	-0.01	0.15	-0.001	0.109	-0.01	-1	-0.001	-0.001
828659	16800	8550	5401024.9	398219.6	0.016	0.015	0.23	0.003	0.014	-0.01	-1	0.001	-0.001
828660	16800	8600	5401006.1	398265.9	0.01	0.013	0.34	0.002	0.024	-0.01	-1	-0.001	-0.001
828661	16800	8650	5400987.2	398312.2	-0.01	0.012	0.25	0.003	0.03	-0.01	-1	0.001	-0.001
828662	16800	8700	5400968.4	398358.5	0.013	0.016	0.39	0.002	0.02	-0.01	-1	-0.001	-0.001
828663	16800	8750	5400949.6	398404.8	-0.01	0.012	0.31	0.003	0.021	-0.01	-1	0.002	-0.001
828664	16800	8800	5400930.7	398451.1	0.015	-0.01	0.4	-0.001	0.152	-0.01	-1	0.001	-0.001
828665	16800	8850	5400911.9	398497.5	0.014	-0.01	0.19	-0.001	0.066	0.025	7	0.002	-0.001
828666	16800	8900	5400893.1	398543.8	0.016	-0.01	0.53	0.003	0.394	0.027	1	-0.001	-0.001
828667	16800	8950	5400874.3	398590.1	-0.01	-0.01	0.1	-0.001	0.147	-0.01	-1	-0.001	-0.001
828668	16800	9000	5400855.4	398636.4	-0.01	-0.01	0.23	-0.001	0.135	-0.01	-1	-0.001	-0.001
828671	16800	9050	5400836.6	398682.7	0.014	-0.01	0.21	0.002	0.209	0.011	-1	-0.001	-0.001

309142

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828672	16800	9100	5400817.8	398729.1	-0.01	-0.01	0.06	0.002	0.099	0.038	-1	-0.001	-0.001
828673	16800	9150	5400798.9	398775.4	-0.01	0.013	0.68	0.001	0.212	0.239	1	-0.001	-0.001
828674	16800	9200	5400780.1	398821.7	-0.01	-0.01	0.17	0.003	0.135	0.068	-1	-0.001	-0.001
828675	16800	9250	5400761.3	398868.0	-0.01	-0.01	0.17	0.003	0.276	0.024	-1	-0.001	-0.001
828676	16800	9300	5400742.4	398914.3	-0.01	-0.01	0.2	0.005	0.403	0.027	-1	-0.001	-0.001
827380	17000	7500	5401607.0	397320.8	-0.01	0.019	0.22	0.003	-0.01	-0.01	1	0.001	-0.001
827382	17000	7550	5401588.2	397367.1	-0.01	0.025	0.3	0.003	0.103	-0.01	1	0.001	-0.001
827383	17000	7600	5401569.4	397413.4	0.01	0.046	0.22	0.003	0.011	-0.01	2	0.004	-0.001
827384	17000	7650	5401550.5	397459.8	-0.01	0.049	0.43	0.002	0.042	-0.01	2	0.004	-0.001
827385	17000	7700	5401531.7	397506.1	0.018	0.018	0.35	-0.001	-0.01	-0.01	3	0.004	-0.001
827386	17000	7750	5401512.9	397552.4	0.195	0.039	0.22	-0.001	0.031	-0.01	-1	0.004	-0.001
827387	17000	7800	5401494.1	397598.7	0.21	0.028	0.3	0.001	0.044	0.011	-1	0.006	-0.001
827388	17000	7850	5401475.2	397645.0	0.016	-0.01	0.27	-0.001	0.031	-0.01	-1	0.004	-0.001
827389	17000	7900	5401456.4	397691.4	0.082	0.03	0.08	-0.001	-0.01	-0.01	-1	0.006	-0.001
827390	17000	7950	5401437.6	397737.7	0.176	0.022	0.21	-0.001	0.019	-0.01	-1	0.004	-0.001
827391	17000	8000	5401418.8	397784.0	0.37	0.02	0.27	0.001	-0.01	-0.01	-1	0.004	-0.001
827392	17000	8050	5401399.9	397830.3	-0.01	0.014	0.18	-0.001	-0.01	-0.01	-1	0.008	-0.001
827393	17000	8100	5401381.1	397876.6	-0.01	0.015	0.19	-0.001	-0.01	-0.01	-1	0.006	-0.001
827394	17000	8150	5401362.3	397923.0	0.01	0.012	0.12	-0.001	-0.01	-0.01	-1	0.004	-0.001
827395	17000	8200	5401343.5	397969.3	-0.01	0.014	0.6	0.001	0.021	-0.01	-1	0.005	-0.001
827396	17000	8250	5401324.6	398015.6	-0.01	0.011	0.31	-0.001	-0.01	-0.01	-1	0.001	-0.001
827397	17000	8300	5401305.8	398061.9	0.042	0.012	0.22	-0.001	0.013	-0.01	-1	0.003	-0.001
827398	17000	8350	5401287.0	398108.2	0.023	0.021	0.21	0.004	-0.01	-0.01	1	0.003	-0.001
827399	17000	8400	5401268.2	398154.6	0.035	0.017	0.35	0.004	0.048	-0.01	2	0.002	-0.001
827400	17000	8450	5401249.4	398200.9	0.288	0.025	0.31	0.004	0.025	-0.01	2	0.002	-0.001
827401	17000	8500	5401230.5	398247.2	0.126	0.028	0.3	0.003	0.056	0.012	2	0.002	-0.001
827402	17000	8550	5401211.7	398293.5	0.114	0.055	0.29	0.003	0.674	0.515	1	-0.001	-0.001
827403	17000	8600	5401192.9	398339.9	0.029	-0.01	0.11	0.003	0.171	0.135	-1	-0.001	-0.001
827404	17000	8650	5401174.1	398386.2	0.016	-0.01	0.18	0.004	0.34	0.073	1	-0.001	-0.001
827405	17000	8700	5401155.2	398432.5	0.026	0.012	0.2	0.004	0.605	0.031	1	0.001	-0.001
827406	17000	8750	5401136.4	398478.8	-0.01	-0.01	0.12	0.003	0.2	0.017	-1	-0.001	-0.001
827407	17000	8800	5401117.6	398525.1	-0.01	-0.01	0.35	0.004	0.45	0.034	-1	0.001	-0.001
827408	17000	8850	5401098.8	398571.5	0.012	-0.01	0.07	0.005	0.214	0.105	1	-0.001	-0.001
827409	17000	8900	5401079.9	398617.8	0.034	-0.01	0.06	0.003	0.166	0.082	-1	-0.001	-0.001
827410	17000	8950	5401061.1	398664.1	0.034	-0.01	0.18	0.005	0.324	0.056	-1	-0.001	-0.001
827411	17000	9000	5401042.3	398710.4	-0.01	-0.01	0.14	0.001	0.345	-0.01	-1	-0.001	-0.001
827412	17000	9050	5401023.5	398756.7	0.011	-0.01	0.4	0.003	0.195	0.029	1	0.001	-0.001
827413	17000	9100	5401004.6	398803.1	0.017	-0.01	0.25	0.005	0.46	0.08	-1	0.001	-0.001
827416	17000	9150	5400985.8	398849.4	0.012	-0.01	0.57	0.007	0.647	0.08	3	-0.001	-0.001
827417	17000	9200	5400967.0	398895.7	-0.01	-0.01	0.11	0.006	0.178	0.058	2	-0.001	-0.001
827418	17000	9250	5400948.2	398942.0	-0.01	-0.01	0.17	0.004	0.195	0.068	2	-0.001	-0.001

3091143

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827419	17000	9300	5400929.3	398988.3	-0.01	-0.01	0.14	0.003	0.39	0.05	-1	-0.001	-0.001
828677	17200	7000	5401979.2	396934.3	0.031	0.027	0.17	0.002	0.143	0.06	-1	-0.001	-0.001
828678	17200	7050	5401960.3	396980.6	0.044	-0.01	0.21	0.004	0.456	0.2	2	-0.001	-0.001
828679	17200	7100	5401941.5	397026.9	-0.01	-0.01	0.12	0.001	0.169	0.015	1	-0.001	-0.001
828680	17200	7150	5401922.7	397073.3	-0.01	-0.01	0.11	-0.001	0.093	0.163	1	-0.001	-0.001
828681	17200	7200	5401903.8	397119.6	0.027	0.02	0.12	0.002	0.087	0.021	-1	-0.001	-0.001
828682	17200	7250	5401885.0	397165.9	-0.01	-0.01	0.06	0.002	0.132	0.097	-1	-0.001	-0.001
828683	17200	7300	5401866.2	397212.2	-0.01	-0.01	0.23	0.002	0.166	0.093	1	-0.001	-0.001
828684	17200	7350	5401847.4	397258.5	0.017	-0.01	0.07	0.001	0.139	0.014	-1	-0.001	-0.001
828685	17200	7400	5401828.5	397304.9	-0.01	-0.01	0.19	0.002	0.146	0.021	-1	-0.001	-0.001
828686	17200	7450	5401809.7	397351.2	0.021	0.02	0.35	0.001	0.169	0.033	-1	-0.001	-0.001
828687	17200	7500	5401790.9	397397.5	-0.01	-0.01	0.08	-0.001	0.087	0.022	-1	-0.001	-0.001
828688	17200	7550	5401772.0	397443.8	-0.01	-0.01	-0.05	-0.001	0.082	0.019	-1	-0.001	-0.001
828689	17200	7600	5401753.2	397490.1	0.017	-0.01	0.14	0.002	0.153	0.037	-1	-0.001	-0.001
828690	17200	7650	5401734.4	397536.4	-0.01	-0.01	0.32	0.004	0.158	0.044	-1	-0.001	0.001
828691	17200	7700	5401715.5	397582.8	-0.01	0.012	0.36	0.002	0.063	-0.01	-1	-0.001	-0.001
828692	17200	7750	5401696.7	397629.1	-0.01	0.015	0.15	0.001	0.102	0.014	1	-0.001	-0.001
828693	17200	7800	5401677.9	397675.4	0.01	0.011	0.14	-0.001	0.024	-0.01	-1	-0.001	-0.001
828694	17200	7850	5401659.1	397721.7	0.018	0.023	0.35	-0.001	0.018	-0.01	-1	-0.001	-0.001
828695	17200	7900	5401640.2	397768.0	0.011	0.014	0.37	0.001	0.028	-0.01	-1	-0.001	-0.001
828696	17200	7950	5401621.4	397814.4	-0.01	-0.01	0.26	0.002	0.099	0.017	-1	-0.001	-0.001
828697	17200	8000	5401602.6	397860.7	-0.01	-0.01	0.15	0.002	0.082	-0.01	1	-0.001	-0.001
828698	17200	8050	5401583.7	397907.0	0.013	0.022	0.14	0.001	0.012	-0.01	2	-0.001	-0.001
828699	17200	8100	5401564.9	397953.3	0.037	0.019	0.15	0.002	0.039	-0.01	-1	0.001	-0.001
828700	17200	8150	5401546.1	397999.6	0.014	0.02	0.14	0.001	0.019	-0.01	-1	0.004	-0.001
828701	17200	8200	5401527.3	398046.0	-0.01	0.015	0.15	0.001	0.011	-0.01	2	-0.001	-0.001
828702	17200	8250	5401508.4	398092.3	-0.01	0.01	0.13	0.001	-0.01	-0.01	2	-0.001	-0.001
828703	17200	8295	5401491.5	398134.0	-0.01	0.03	0.34	0.002	0.06	-0.01	1	-0.001	-0.001
828704	17200	8350	5401470.8	398184.9	0.012	0.052	0.56	0.002	0.018	-0.01	-1	0.002	-0.001
828705	17200	8400	5401451.9	398231.2	-0.01	0.014	0.11	0.002	0.026	-0.01	-1	-0.001	-0.001
828706	17200	8450	5401433.1	398277.6	0.049	0.013	0.17	0.001	0.344	0.015	-1	-0.001	-0.001
828707	17200	8500	5401414.3	398323.9	0.027	0.02	0.24	0.004	0.186	0.022	-1	-0.001	-0.001
828708	17200	8550	5401395.4	398370.2	0.01	-0.01	0.14	0.005	0.306	0.033	-1	-0.001	-0.001
828709	17200	8600	5401376.6	398416.5	-0.01	0.013	0.16	0.003	0.155	-0.01	-1	-0.001	-0.001
828710	17200	8650	5401357.8	398462.8	-0.01	-0.01	0.24	0.003	0.368	0.025	1	-0.001	-0.001
828711	17200	8690	5401342.7	398499.9	0.042	-0.01	0.29	0.003	0.478	0.395	5	-0.001	-0.001
828712	17200	8750	5401320.1	398555.5	-0.01	0.015	0.15	0.001	0.113	0.01	-1	-0.001	-0.001
828713	17200	8800	5401301.3	398601.8	-0.01	-0.01	0.06	0.003	0.159	0.031	-1	-0.001	-0.001
828715	17200	8850	5401282.5	398648.1	-0.01	-0.01	-0.05	0.002	0.328	-0.01	1	-0.001	-0.001
828716	17200	8900	5401263.6	398694.4	-0.01	-0.01	-0.05	-0.001	0.251	0.013	-1	-0.001	-0.001
828717	17200	8950	5401244.8	398740.7	0.019	-0.01	0.26	0.004	0.392	0.024	-1	-0.001	-0.001

309144

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828718	17200	9000	5401226.0	398787.1	-0.01	-0.01	0.09	0.001	0.219	-0.01	-1	-0.001	-0.001
828719	17200	9050	5401207.1	398833.4	-0.01	-0.01	1.31	0.002	0.252	-0.01	-1	-0.001	-0.001
828720	17200	9100	5401188.3	398879.7	0.015	0.012	0.92	0.003	0.207	0.022	-1	-0.001	-0.001
828723	17400	6950	5402183.3	396963.3	-0.01	-0.01	0.09	-0.001	0.102	0.038	2	-0.001	-0.001
828724	17400	7000	5402164.4	397009.6	0.011	0.018	0.8	0.005	0.195	0.085	-1	0.001	-0.001
828725	17400	7050	5402145.6	397055.9	-0.01	0.018	0.16	-0.001	0.132	0.03	1	0.001	-0.001
828726	17400	7100	5402126.8	397102.3	0.012	0.031	0.4	0.008	0.153	0.089	2	-0.001	-0.001
828727	17400	7150	5402108.0	397148.6	-0.01	0.017	-0.05	0.001	0.12	0.015	-1	-0.001	-0.001
828728	17400	7200	5402089.1	397194.9	0.023	0.01	0.25	0.002	0.205	0.024	-1	-0.001	-0.001
828729	17400	7250	5402070.3	397241.2	0.023	0.02	0.31	0.003	0.222	0.042	-1	-0.001	-0.001
828730	17400	7300	5402051.5	397287.5	-0.01	0.032	0.84	0.003	0.178	0.08	-1	0.001	-0.001
828731	17400	7350	5402032.6	397333.9	0.011	0.013	0.63	-0.001	0.113	-0.01	-1	-0.001	-0.001
828732	17400	7400	5402013.8	397380.2	-0.01	0.021	0.58	0.007	0.128	0.051	-1	-0.001	-0.001
828733	17400	7450	5401995.0	397426.5	0.097	0.016	0.11	0.003	0.083	0.662	-1	-0.001	-0.001
828734	17400	7500	5401976.1	397472.8	-0.01	-0.01	0.05	-0.001	0.067	0.045	-1	-0.001	-0.001
828735	17400	7550	5401957.3	397519.1	-0.01	-0.01	0.07	-0.001	0.065	0.034	2	-0.001	-0.001
828736	17400	7600	5401938.5	397565.4	0.016	0.014	0.23	-0.001	0.066	0.012	-1	-0.001	-0.001
828737	17400	7650	5401919.7	397611.8	-0.01	-0.01	-0.05	-0.001	0.062	0.035	-1	-0.001	-0.001
828738	17400	7700	5401900.8	397658.1	-0.01	0.014	-0.05	-0.001	0.024	0.01	1	0.001	-0.001
828739	17400	7750	5401882.0	397704.4	-0.01	0.012	-0.05	-0.001	0.092	0.018	-1	-0.001	-0.001
828740	17400	7800	5401863.2	397750.7	-0.01	0.013	0.09	-0.001	0.067	-0.01	-1	0.002	-0.001
828742	17400	7850	5401844.3	397797.0	-0.01	-0.01	-0.05	-0.001	0.06	0.015	1	-0.001	-0.001
828743	17400	7900	5401825.5	397843.4	-0.01	-0.01	0.09	-0.001	0.058	0.027	-1	-0.001	-0.001
828744	17400	7950	5401806.7	397889.7	0.016	0.013	0.2	-0.001	0.151	0.017	-1	-0.001	-0.001
828745	17400	8000	5401787.8	397936.0	0.012	0.01	0.14	0.002	0.122	0.014	-1	-0.001	-0.001
828746	17400	8050	5401769.0	397982.3	-0.01	-0.01	0.05	-0.001	0.201	0.061	-1	-0.001	-0.001
828747	17400	8100	5401750.2	398028.6	-0.01	-0.01	0.07	-0.001	0.145	0.014	-1	-0.001	-0.001
828748	17400	8150	5401731.4	398075.0	-0.01	-0.01	0.11	0.002	0.121	0.014	-1	-0.001	-0.001
828749	17400	8200	5401712.5	398121.3	0.013	-0.01	0.48	-0.001	0.023	-0.01	-1	-0.001	-0.001
828750	17400	8250	5401693.7	398167.6	0.013	0.014	0.09	-0.001	0.01	-0.01	-1	-0.001	-0.001
828751	17400	8300	5401674.9	398213.9	-0.01	0.111	0.07	-0.001	-0.01	-0.01	-1	-0.001	-0.001
828752	17400	8350	5401656.0	398260.2	-0.01	0.018	0.34	0.001	0.018	-0.01	-1	-0.001	-0.001
828753	17400	8400	5401637.2	398306.6	-0.01	0.057	0.27	-0.001	0.057	-0.01	-1	-0.001	-0.001
828754	17400	8450	5401618.4	398352.9	-0.01	0.027	0.18	-0.001	0.029	-0.01	-1	-0.001	-0.001
828755	17400	8500	5401599.5	398399.2	-0.01	-0.01	0.26	0.001	0.013	-0.01	-1	-0.001	-0.001
828756	17400	8550	5401580.7	398445.5	-0.01	0.022	0.26	-0.001	0.026	-0.01	-1	-0.001	-0.001
828757	17400	8600	5401561.9	398491.8	-0.01	0.019	0.15	0.001	0.038	-0.01	-1	-0.001	-0.001
828758	17400	8650	5401543.1	398538.1	-0.01	-0.01	0.2	-0.001	0.101	-0.01	-1	-0.001	-0.001
828759	17400	8700	5401524.2	398584.5	-0.01	-0.01	0.19	0.002	0.331	0.054	-1	-0.001	-0.001
828760	17400	8750	5401505.4	398630.8	-0.01	-0.01	0.13	0.001	0.126	0.046	-1	-0.001	-0.001
828763	17400	8800	5401486.6	398677.1	-0.01	-0.01	0.13	0.004	0.116	0.021	-1	-0.001	-0.001

309143

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828764	17400	8850	5401467.7	398723.4	-0.01	0.014	1.08	0.003	0.207	0.06	1	-0.001	-0.001
828765	17400	8900	5401448.9	398769.7	0.017	-0.01	0.25	0.002	0.273	0.166	2	0.003	-0.001
828766	17400	8950	5401430.1	398816.1	0.017	-0.01	0.8	0.002	0.13	0.079	3	0.006	-0.001
828767	17400	9000	5401411.3	398862.4	-0.01	-0.01	0.1	-0.001	0.337	0.012	-1	-0.001	-0.001
828222	17600	7500	5402162.9	397546.7	0.038	0.034	-0.05	0.002	0.06	0.042	2	0.005	-0.001
828223	17600	7550	5402144.0	397593.0	0.022	-0.01	-0.05	-0.001	-0.01	-0.01	-1	0.003	-0.001
828224	17600	7600	5402125.2	397639.3	0.027	-0.01	-0.05	-0.001	-0.01	-0.01	1	-0.001	-0.001
828225	17600	7650	5402106.4	397685.7	0.021	0.035	0.17	0.002	0.087	0.115	1	0.001	-0.001
828226	17600	7700	5402087.6	397732.0	0.013	-0.01	0.18	0.001	0.073	0.076	2	0.001	-0.001
828227	17600	7750	5402068.7	397778.3	0.035	-0.01	0.49	0.004	0.28	0.528	4	-0.001	-0.001
828228	17600	7800	5402049.9	397824.6	0.022	-0.01	0.24	-0.001	0.197	0.237	4	0.001	-0.001
828229	17600	7840	5402034.9	397861.7	0.018	-0.01	0.2	0.001	0.187	0.119	2	0.002	-0.001
828230	17600	7900	5402012.3	397917.3	0.039	-0.01	0.13	0.001	0.119	0.042	-1	-0.001	-0.001
828231	17600	7950	5401993.4	397963.6	0.043	-0.01	0.07	0.004	0.128	0.022	-1	-0.001	-0.001
827441	17600	8000	5401974.6	398009.9	-0.01	-0.01	0.27	-0.001	0.037	-0.01	-1	0.004	-0.001
827442	17600	8050	5401955.8	398056.2	-0.01	-0.01	0.26	0.001	0.083	-0.01	-1	-0.001	-0.001
827443	17600	8100	5401937.0	398102.5	-0.01	0.012	0.34	0.002	0.041	-0.01	-1	0.004	-0.001
827444	17600	8150	5401918.2	398148.9	-0.01	-0.01	0.22	-0.001	-0.01	-0.01	-1	-0.001	-0.001
827445	17600	8200	5401899.3	398195.2	-0.01	-0.01	0.23	-0.001	0.144	0.016	-1	0.001	-0.001
827446	17600	8250	5401880.5	398241.5	0.011	-0.01	0.14	-0.001	0.199	0.025	-1	0.001	-0.001
827447	17600	8300	5401861.7	398287.8	0.016	0.023	0.37	0.001	0.285	0.056	-1	0.002	-0.001
827448	17600	8350	5401842.9	398334.1	-0.01	0.013	0.56	0.004	0.334	0.053	-1	0.001	-0.001
827449	17600	8400	5401824.0	398380.5	-0.01	-0.01	0.27	0.004	0.19	0.032	1	-0.001	-0.001
827450	17600	8450	5401805.2	398426.8	-0.01	-0.01	0.09	0.003	0.373	0.027	1	-0.001	-0.001
827451	17600	8500	5401786.4	398473.1	-0.01	-0.01	-0.05	0.001	0.229	0.018	-1	-0.001	-0.001
827452	17600	8550	5401767.6	398519.4	-0.01	-0.01	-0.05	-0.001	0.092	0.017	-1	-0.001	-0.001
827453	17600	8600	5401748.7	398565.7	-0.01	-0.01	-0.05	0.003	0.444	0.018	1	-0.001	-0.001
827454	17600	8650	5401729.9	398612.1	-0.01	-0.01	-0.05	0.001	0.279	0.044	-1	-0.001	-0.001
827455	17600	8700	5401711.1	398658.4	-0.01	-0.01	0.08	0.004	0.331	0.108	1	-0.001	-0.001
827456	17600	8750	5401692.3	398704.7	0.019	-0.01	0.16	0.002	0.329	0.132	1	-0.001	-0.001
827457	17600	8800	5401673.4	398751.0	-0.01	-0.01	0.3	0.003	0.529	0.112	2	-0.001	-0.001
827458	17600	8850	5401654.6	398797.4	0.016	-0.01	0.09	0.003	0.176	0.08	1	-0.001	-0.001
827459	17600	8900	5401635.8	398843.7	-0.01	-0.01	0.62	0.007	0.335	0.073	-1	-0.001	-0.001
827462	17600	8965	5401611.3	398903.9	-0.01	-0.01	0.11	-0.001	0.103	0.017	-1	-0.001	-0.001
827463	17600	9000	5401598.1	398936.3	-0.01	-0.01	-0.05	0.002	0.169	0.01	-1	-0.001	-0.001
827464	17600	9050	5401579.3	398982.6	0.013	-0.01	0.16	0.004	0.273	0.163	-1	-0.001	-0.001
827465	17600	9100	5401560.5	399029.0	-0.01	-0.01	-0.05	0.002	0.187	0.046	-1	-0.001	-0.001
827466	17600	9150	5401541.7	399075.3	-0.01	-0.01	0.23	0.003	0.368	0.015	-1	-0.001	-0.001
827467	17600	9200	5401522.8	399121.6	-0.01	-0.01	0.2	0.003	0.598	0.071	2	-0.001	-0.001
827469	17600	9250	5401504.0	399167.9	0.016	-0.01	0.07	0.002	0.165	0.021	-1	-0.001	-0.001
827470	17600	9300	5401485.2	399214.2	0.05	-0.01	0.11	0.002	0.265	-0.01	-1	0.001	-0.001

3091146

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827471	17600	9350	5401466.4	399260.6	0.046	-0.01	0.15	0.002	0.314	0.083	-1	-0.001	-0.001
827472	17600	9400	5401447.5	399306.9	0.035	-0.01	0.14	0.002	0.34	0.025	-1	-0.001	-0.001
827473	17600	9450	5401428.7	399353.2	0.02	-0.01	0.13	0.002	0.379	0.019	-1	-0.001	-0.001
827474	17600	9500	5401409.9	399399.5	0.02	-0.01	0.71	0.003	0.343	0.019	2	0.002	-0.001
827475	17600	9550	5401391.1	399445.8	0.034	-0.01	0.23	0.002	0.406	0.023	-1	-0.001	-0.001
827476	17600	9600	5401372.2	399492.2	0.024	-0.01	0.08	0.002	0.343	-0.01	-1	-0.001	-0.001
827477	17600	9650	5401353.4	399538.5	-0.01	-0.01	-0.05	0.001	0.137	-0.01	-1	-0.001	-0.001
827478	17600	9700	5401334.6	399584.8	0.024	-0.01	0.11	0.003	0.264	0.014	1	-0.001	-0.001
827479	17600	9750	5401315.8	399631.1	0.024	-0.01	1.36	0.006	0.808	0.149	2	0.001	-0.001
827480	17600	9800	5401296.9	399677.5	0.026	-0.01	0.13	0.003	0.278	0.031	-1	-0.001	-0.001
827481	17600	9850	5401278.1	399723.8	0.029	-0.01	0.19	0.003	0.294	0.013	-1	-0.001	-0.001
827482	17600	9900	5401259.3	399770.1	0.024	-0.01	0.17	0.004	0.238	0.015	-1	-0.001	-0.001
827483	17600	9950	5401240.5	399816.4	0.018	-0.01	0.15	0.002	0.084	-0.01	-1	-0.001	-0.001
827484	17600	10000	5401221.6	399862.7	0.019	-0.01	0.1	0.005	0.296	0.138	-1	-0.001	-0.001
827485	17600	10050	5401202.8	399909.1	0.027	-0.01	0.11	0.004	0.15	0.049	-1	-0.001	-0.001
827486	17600	10100	5401184.0	399955.4	0.025	-0.01	0.07	0.004	0.132	0.023	-1	-0.001	-0.001
827513	18000	7500	5402533.4	397697.3	0.018	0.013	0.24	0.001	0.01	-0.01	1	0.002	-0.001
827514	18000	7550	5402514.6	397743.6	0.014	-0.01	0.24	0.002	0.097	0.058	-1	-0.001	-0.001
827515	18000	7600	5402495.8	397789.9	0.02	-0.01	0.37	0.003	0.175	0.129	2	0.001	-0.001
827516	18000	7650	5402477.0	397836.2	0.026	-0.01	0.42	0.005	0.398	0.165	-1	0.002	-0.001
827517	18000	7700	5402458.1	397882.6	0.022	-0.01	0.19	0.004	0.755	0.196	2	0.001	-0.001
827518	18000	7750	5402439.3	397928.9	0.024	-0.01	0.07	0.002	0.185	0.027	-1	-0.001	-0.001
827519	18000	7800	5402420.5	397975.2	0.016	-0.01	0.23	0.003	0.253	0.019	-1	-0.001	-0.001
827520	18000	7850	5402401.7	398021.5	-0.01	-0.01	0.26	0.003	0.27	0.025	2	-0.001	-0.001
827521	18000	7900	5402382.8	398067.9	0.031	0.01	0.18	-0.001	0.135	0.022	-1	-0.001	-0.001
827522	18000	7950	5402364.0	398114.2	0.018	-0.01	0.07	0.002	0.132	0.04	-1	-0.001	-0.001
827523	18000	7980	5402352.7	398142.0	0.031	-0.01	0.17	0.003	0.213	0.037	-1	-0.001	-0.001
827524	18000	8050	5402326.4	398206.8	0.016	-0.01	0.08	0.002	0.176	0.057	-1	-0.001	-0.001
827525	18000	8100	5402307.5	398253.1	0.015	-0.01	0.15	-0.001	0.173	-0.01	-1	-0.001	-0.001
827526	18000	8150	5402288.7	398299.5	0.019	-0.01	0.33	0.007	0.3	0.125	1	-0.001	-0.001
827527	18000	8200	5402269.9	398345.8	0.018	-0.01	0.85	0.008	0.534	0.094	2	0.001	-0.001
827528	18000	8250	5402251.1	398392.1	0.014	-0.01	0.14	0.002	0.181	0.018	-1	-0.001	-0.001
827529	18000	8300	5402232.2	398438.4	0.014	-0.01	0.06	0.001	0.174	-0.01	-1	-0.001	-0.001
827530	18000	8350	5402213.4	398484.7	0.014	-0.01	0.12	0.003	0.267	0.017	1	-0.001	-0.001
827531	18000	8400	5402194.6	398531.1	0.022	-0.01	0.12	0.005	0.34	0.067	2	-0.001	-0.001
827532	18000	8450	5402175.8	398577.4	0.015	-0.01	0.09	0.001	0.23	0.078	2	-0.001	-0.001
827533	18000	8500	5402156.9	398623.7	0.015	-0.01	0.38	0.003	0.421	0.084	3	0.001	-0.001
827535	18000	8550	5402138.1	398670.0	0.018	-0.01	0.43	0.008	0.534	0.158	2	0.001	-0.001
827536	18000	8600	5402119.3	398716.3	0.013	-0.01	0.6	0.005	0.251	0.319	2	0.001	-0.001
827537	18000	8650	5402100.5	398762.7	-0.01	-0.01	0.09	0.002	0.213	0.01	-1	-0.001	-0.001
827538	18000	8700	5402081.6	398809.0	0.01	-0.01	0.16	0.002	0.41	-0.01	3	-0.001	-0.001

309147

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827539	18000	8750	5402062.8	398855.3	-0.01	-0.01	0.1	0.002	0.252	0.011	-1	-0.001	-0.001
827540	18000	8800	5402044.0	398901.6	-0.01	-0.01	0.07	0.003	0.266	0.013	1	-0.001	-0.001
827541	18000	8850	5402025.2	398948.0	-0.01	-0.01	0.06	0.004	0.135	-0.01	-1	-0.001	-0.001
827542	18000	8900	5402006.3	398994.3	-0.01	-0.01	0.11	0.004	0.408	0.021	1	0.001	-0.001
827543	18000	8950	5401987.5	399040.6	-0.01	-0.01	0.09	0.001	0.151	0.028	2	-0.001	-0.001
827544	18000	9000	5401968.7	399086.9	0.01	-0.01	0.24	0.002	0.341	0.012	1	-0.001	-0.001
827545	18000	9050	5401949.9	399133.2	0.02	-0.01	0.26	0.005	0.481	0.336	1	0.001	-0.001
827546	18000	9100	5401931.0	399179.6	0.011	-0.01	0.25	0.009	0.237	0.075	-1	0.001	-0.001
827547	18000	9150	5401912.2	399225.9	0.013	-0.01	0.08	0.002	0.136	0.015	-1	-0.001	-0.001
827548	18000	9200	5401893.4	399272.2	-0.01	-0.01	0.19	0.002	0.251	0.047	-1	-0.001	-0.001
827549	18000	9250	5401874.6	399318.5	-0.01	-0.01	-0.05	0.001	0.133	-0.01	-1	-0.001	-0.001
827550	18000	9300	5401855.7	399364.8	-0.01	-0.01	0.06	-0.001	0.109	-0.01	-1	-0.001	-0.001
827551	18000	9350	5401836.9	399411.2	0.017	-0.01	0.27	0.005	0.291	0.201	-1	-0.001	-0.001
827552	18000	9400	5401818.1	399457.5	0.014	-0.01	0.65	0.004	0.423	0.095	1	-0.001	-0.001
827555	18000	9450	5401799.3	399503.8	-0.01	-0.01	0.17	0.003	0.206	0.069	-1	-0.001	-0.001
827556	18000	9500	5401780.5	399550.1	0.01	-0.01	0.25	0.003	0.24	0.029	-1	-0.001	-0.001
827557	18000	9550	5401761.6	399596.4	-0.01	-0.01	0.26	0.003	0.235	0.026	1	-0.001	-0.001
827558	18000	9600	5401742.8	399642.8	-0.01	-0.01	0.06	0.003	0.101	-0.01	-1	-0.001	-0.001
827559	18000	9650	5401724.0	399689.1	-0.01	-0.01	0.18	0.003	0.313	0.077	-1	-0.001	-0.001
827560	18000	9700	5401705.2	399735.4	0.013	-0.01	0.34	0.002	0.662	0.157	-1	0.001	-0.001
827561	18000	9750	5401686.3	399781.7	0.019	-0.01	0.4	0.004	0.309	0.034	1	-0.001	-0.001
827562	18000	9800	5401667.5	399828.0	-0.01	-0.01	0.17	0.002	0.151	-0.01	-1	-0.001	-0.001
827563	18000	9850	5401648.7	399874.4	0.018	-0.01	0.49	0.006	0.37	0.099	2	0.001	-0.001
827564	18000	9900	5401629.9	399920.7	0.015	-0.01	0.13	0.003	0.188	0.039	-1	-0.001	-0.001
827565	18000	9950	5401611.0	399967.0	-0.01	-0.01	0.08	0.006	0.182	0.024	-1	-0.001	-0.001
827668	18500	7500	5402996.6	397885.5	0.012	-0.01	0.22	0.002	0.541	0.161	1	-0.001	-0.001
827669	18500	7550	5402977.8	397931.9	-0.01	-0.01	0.17	0.002	0.426	-0.01	-1	-0.001	-0.001
827670	18500	7600	5402959.0	397978.2	0.016	-0.01	0.07	0.002	0.138	0.017	-1	-0.001	-0.001
827671	18500	7650	5402940.2	398024.5	-0.01	-0.01	-0.05	-0.001	0.128	-0.01	-1	-0.001	-0.001
827672	18500	7700	5402921.3	398070.8	0.031	-0.01	-0.05	-0.001	0.14	0.013	-1	-0.001	-0.001
827673	18500	7750	5402902.5	398117.1	-0.01	-0.01	-0.05	-0.001	0.099	0.014	-1	-0.001	-0.001
827674	18500	7800	5402883.7	398163.5	-0.01	-0.01	-0.05	0.001	0.058	0.017	-1	-0.001	-0.001
827675	18500	7850	5402864.9	398209.8	0.021	-0.01	0.29	0.004	0.366	0.069	-1	0.001	-0.001
827676	18500	7900	5402846.1	398256.1	-0.01	-0.01	0.05	0.001	0.105	0.019	-1	-0.001	-0.001
827677	18500	7950	5402827.2	398302.4	-0.01	-0.01	-0.05	-0.001	0.068	-0.01	-1	0.001	-0.001
827678	18500	8000	5402808.4	398348.7	-0.01	-0.01	-0.05	-0.001	0.111	0.019	-1	-0.001	-0.001
827681	18500	8050	5402789.6	398395.1	-0.01	-0.01	-0.05	-0.001	0.041	-0.01	-1	-0.001	-0.001
827682	18500	8085	5402776.4	398427.5	-0.01	-0.01	-0.05	0.001	0.126	0.013	-1	-0.001	-0.001
827683	18500	8150	5402751.9	398487.7	-0.01	-0.01	0.16	-0.001	0.052	-0.01	-1	-0.001	-0.001
827684	18500	8200	5402733.1	398534.0	-0.01	-0.01	0.07	0.001	0.15	0.014	-1	-0.001	-0.001
827685	18500	8250	5402714.3	398580.3	-0.01	-0.01	0.05	-0.001	0.121	-0.01	-1	-0.001	-0.001

309148

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827686	18500	8300	5402695.5	398626.7	-0.01	-0.01	-0.05	-0.001	0.081	-0.01	-1	-0.001	-0.001
827687	18500	8350	5402676.6	398673.0	-0.01	-0.01	0.07	0.002	0.257	-0.01	-1	-0.001	-0.001
827688	18500	8400	5402657.8	398719.3	-0.01	-0.01	0.22	-0.001	0.343	-0.01	-1	-0.001	-0.001
827689	18500	8450	5402639.0	398765.6	0.012	-0.01	0.06	0.002	0.151	0.021	1	-0.001	-0.001
827690	18500	8500	5402620.2	398812.0	-0.01	-0.01	0.09	-0.001	0.156	0.048	-1	-0.001	-0.001
827574	18600	8500	5402712.8	398849.6	0.018	-0.01	0.29	0.004	0.548	0.231	4	-0.001	-0.001
827575	18600	8550	5402694.0	398895.9	0.016	-0.01	0.85	0.002	0.487	0.391	1	0.001	-0.001
827576	18600	8600	5402675.1	398942.2	-0.01	-0.01	-0.05	-0.001	0.076	-0.01	-1	-0.001	-0.001
827577	18600	8650	5402656.3	398988.6	0.013	-0.01	0.34	0.003	0.426	0.058	-1	-0.001	-0.001
827578	18600	8700	5402637.5	399034.9	0.011	-0.01	0.18	0.003	0.179	-0.01	-1	-0.001	-0.001
827579	18600	8750	5402618.7	399081.2	-0.01	-0.01	0.21	0.001	0.332	0.015	1	-0.001	-0.001
827580	18600	8800	5402599.8	399127.5	0.018	-0.01	0.3	0.004	0.299	0.11	-1	-0.001	-0.001
827581	18600	8850	5402581.0	399173.8	-0.01	-0.01	0.15	0.001	0.079	0.062	-1	-0.001	-0.001
827582	18600	8900	5402562.2	399220.2	-0.01	-0.01	0.53	0.003	0.445	0.041	2	-0.001	-0.001
827583	18600	8950	5402543.4	399266.5	-0.01	-0.01	-0.05	-0.001	0.06	-0.01	-1	-0.001	-0.001
827584	18600	9000	5402524.5	399312.8	-0.01	-0.01	0.56	0.005	0.226	0.063	4	-0.001	-0.001
827585	18600	9050	5402505.7	399359.1	-0.01	-0.01	0.11	0.006	0.126	0.024	1	-0.001	-0.001
827586	18600	9100	5402486.9	399405.5	-0.01	-0.01	0.32	0.002	0.248	0.241	2	-0.001	-0.001
827587	18600	9150	5402468.1	399451.8	-0.01	-0.01	0.47	0.007	0.299	0.258	-1	-0.001	-0.001
827588	18600	9200	5402449.3	399498.1	-0.01	-0.01	0.12	0.003	0.186	0.106	-1	-0.001	-0.001
827589	18600	9250	5402430.4	399544.4	0.02	-0.01	0.11	0.002	0.089	-0.01	1	-0.001	-0.001
827590	18600	9300	5402411.6	399590.7	0.013	-0.01	0.05	0.001	0.159	0.011	1	-0.001	-0.001
827591	18600	9350	5402392.8	399637.1	0.01	-0.01	0.1	0.002	0.15	-0.01	1	-0.001	-0.001
827592	18600	9400	5402374.0	399683.4	0.018	-0.01	0.08	0.002	0.209	0.024	1	0.001	-0.001
827593	18600	9450	5402355.1	399729.7	0.022	-0.01	-0.05	-0.001	0.056	-0.01	-1	-0.001	-0.001
827594	18600	9500	5402336.3	399776.0	-0.01	-0.01	-0.05	0.001	0.098	0.013	-1	0.001	-0.001
827597	18600	9550	5402317.5	399822.3	0.018	-0.01	0.06	0.002	0.153	0.039	-1	-0.001	-0.001
827598	18600	9600	5402298.7	399868.7	0.034	-0.01	0.14	0.003	0.169	-0.01	1	-0.001	-0.001
827599	18600	9650	5402279.8	399915.0	0.031	-0.01	0.21	0.003	0.192	-0.01	2	-0.001	-0.001
827600	18600	9700	5402261.0	399961.3	0.032	-0.01	0.77	0.003	0.506	0.038	1	-0.001	-0.001
827613	19000	7500	5403459.9	398073.8	0.01	-0.01	0.07	0.002	0.124	0.034	2	-0.001	-0.001
827614	19000	7550	5403441.0	398120.1	0.016	-0.01	0.35	0.004	0.46	0.033	1	-0.001	-0.001
827616	19000	7600	5403422.2	398166.4	-0.01	-0.01	0.54	0.002	0.211	0.03	1	-0.001	-0.001
827617	19000	7650	5403403.4	398212.7	-0.01	-0.01	0.22	0.002	0.142	0.017	-1	-0.001	-0.001
827618	19000	7700	5403384.6	398259.1	0.011	-0.01	0.07	0.001	0.064	-0.01	1	-0.001	-0.001
827619	19000	7750	5403365.7	398305.4	0.011	-0.01	0.06	0.002	0.068	0.048	-1	-0.001	-0.001
827620	19000	7800	5403346.9	398351.7	0.01	-0.01	0.14	-0.001	0.085	-0.01	-1	-0.001	-0.001
827621	19000	7850	5403328.1	398398.0	0.016	-0.01	-0.05	0.001	0.054	-0.01	-1	-0.001	-0.001
827622	19000	7900	5403309.3	398444.3	-0.01	-0.01	0.34	0.003	0.467	-0.01	1	-0.001	-0.001
827623	19000	7950	5403290.4	398490.7	-0.01	-0.01	0.21	0.005	0.334	0.05	-1	-0.001	-0.001
827624	19000	8000	5403271.6	398537.0	0.015	0.015	0.66	0.005	0.413	0.27	-1	-0.001	-0.001

309149

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
827625	19000	8050	5403252.8	398583.3	0.011	-0.01	0.19	0.003	0.324	0.045	1	-0.001	-0.001
827626	19000	8100	5403234.0	398629.6	0.016	-0.01	0.34	0.002	0.236	0.016	-1	0.002	-0.001
827627	19000	8150	5403215.1	398676.0	0.011	-0.01	0.12	0.003	0.069	0.067	1	0.001	-0.001
827628	19000	8200	5403196.3	398722.3	0.102	0.014	0.08	-0.001	0.162	-0.01	-1	0.001	-0.001
827629	19000	8250	5403177.5	398768.6	0.017	-0.01	0.18	-0.001	0.349	0.014	2	0.001	-0.001
827630	19000	8300	5403158.7	398814.9	0.019	-0.01	0.05	0.002	0.152	0.014	-1	-0.001	-0.001
827631	19000	8350	5403139.8	398861.2	0.012	-0.01	0.07	0.001	0.103	0.011	-1	0.002	-0.001
827632	19000	8400	5403121.0	398907.6	0.017	-0.01	0.09	0.002	0.19	0.019	-1	-0.001	-0.001
827633	19000	8450	5403102.2	398953.9	-0.01	-0.01	0.1	-0.001	0.32	0.018	-1	0.001	-0.001
827634	19000	8500	5403083.4	399000.2	-0.01	-0.01	-0.05	0.001	0.109	-0.01	-1	-0.001	-0.001
827635	19000	8550	5403064.5	399046.5	-0.01	-0.01	0.3	0.003	0.288	0.021	1	0.003	-0.001
827636	19000	8600	5403045.7	399092.8	0.013	-0.01	0.15	0.002	0.285	0.021	-1	0.002	-0.001
827637	19000	8650	5403026.9	399139.2	0.011	-0.01	0.1	0.002	0.148	0.016	2	0.001	-0.001
827640	19000	8700	5403008.1	399185.5	-0.01	-0.01	0.06	0.003	0.157	0.025	2	-0.001	-0.001
827641	19000	8750	5402989.2	399231.8	-0.01	-0.01	0.13	-0.001	0.193	-0.01	-1	-0.001	-0.001
827642	19000	8800	5402970.4	399278.1	-0.01	-0.01	-0.05	0.002	0.08	-0.01	-1	-0.001	-0.001
827643	19000	8850	5402951.6	399324.4	-0.01	-0.01	-0.05	-0.001	0.152	-0.01	-1	-0.001	-0.001
827644	19000	8900	5402932.8	399370.8	-0.01	-0.01	0.1	0.002	0.195	0.065	1	-0.001	-0.001
827645	19000	8950	5402913.9	399417.1	-0.01	-0.01	0.84	0.003	0.139	0.469	1	-0.001	-0.001
827646	19000	9000	5402895.1	399463.4	-0.01	-0.01	0.15	0.003	0.147	0.03	-1	-0.001	-0.001
827647	19000	9050	5402876.3	399509.7	-0.01	-0.01	-0.05	0.002	0.038	-0.01	-1	-0.001	-0.001
827648	19000	9100	5402857.5	399556.0	-0.01	-0.01	0.08	-0.001	0.051	-0.01	1	-0.001	-0.001
827649	19000	9150	5402838.6	399602.4	-0.01	-0.01	0.06	0.003	0.059	0.017	1	-0.001	-0.001
827650	19000	9200	5402819.8	399648.7	-0.01	-0.01	-0.05	0.001	0.045	0.04	1	-0.001	-0.001
827651	19000	9250	5402801.0	399695.0	-0.01	-0.01	0.08	0.001	0.054	-0.01	1	-0.001	-0.001
827652	19000	9300	5402782.2	399741.3	-0.01	-0.01	-0.05	0.001	0.1	-0.01	-1	-0.001	-0.001
827653	19000	9350	5402763.3	399787.7	-0.01	-0.01	-0.05	0.001	0.085	-0.01	-1	-0.001	-0.001
827654	19000	9400	5402744.5	399834.0	-0.01	-0.01	0.06	0.001	0.095	0.033	2	0.001	-0.001
827655	19000	9450	5402725.7	399880.3	-0.01	-0.01	0.08	0.002	0.111	-0.01	-1	-0.001	-0.001
827656	19000	9500	5402706.9	399926.6	-0.01	-0.01	0.12	0.002	0.17	0.015	1	-0.001	-0.001
827657	19000	9550	5402688.0	399972.9	-0.01	-0.01	0.16	0.002	0.1	-0.01	-1	-0.001	-0.001
827713	19400	7050	5403999.8	397807.5	-0.01	-0.01	-0.05	0.004	0.083	0.073	-1	-0.001	-0.001
827714	19400	7100	5403981.0	397853.8	0.015	-0.01	0.15	0.003	0.425	0.072	1	0.001	-0.001
827715	19400	7150	5403962.2	397900.1	-0.01	-0.01	0.46	0.002	0.456	0.04	-1	-0.001	-0.001
827716	19400	7200	5403943.4	397946.5	0.01	-0.01	0.16	0.002	0.453	0.048	1	-0.001	-0.001
827717	19400	7250	5403924.5	397992.8	0.017	-0.01	0.05	0.002	0.146	0.077	-1	-0.001	-0.001
827718	19400	7300	5403905.7	398039.1	-0.01	-0.01	-0.05	0.001	0.101	0.022	-1	-0.001	-0.001
827719	19400	7350	5403886.9	398085.4	-0.01	-0.01	0.07	0.001	0.336	0.027	1	-0.001	-0.001
827720	19400	7400	5403868.1	398131.7	-0.01	-0.01	0.08	0.002	0.464	0.014	1	-0.001	-0.001
827721	19400	7450	5403849.3	398178.1	-0.01	-0.01	0.3	0.002	0.552	0.019	1	-0.001	-0.001
827722	19400	7500	5403830.4	398224.4	-0.01	-0.01	0.23	0.002	0.31	0.029	-1	-0.001	-0.001

309150

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827723	19400	7550	5403811.6	398270.7	0.011	-0.01	0.19	0.003	0.328	0.05	1	-0.001	-0.001
827724	19400	7600	5403792.8	398317.0	0.038	-0.01	0.51	0.006	0.477	0.21	-1	-0.001	-0.001
827725	19400	7650	5403774.0	398363.3	-0.01	-0.01	0.16	0.004	0.275	0.052	2	-0.001	-0.001
827726	19400	7700	5403755.1	398409.7	-0.01	-0.01	0.07	0.003	0.152	0.023	3	-0.001	-0.001
827727	19400	7750	5403736.3	398456.0	-0.01	-0.01	0.09	0.002	0.249	0.011	2	-0.001	-0.001
827728	19400	7800	5403717.5	398502.3	-0.01	-0.01	0.07	0.003	0.146	0.037	2	-0.001	-0.001
827729	19400	7850	5403698.7	398548.6	-0.01	-0.01	0.08	0.001	0.34	-0.01	1	-0.001	-0.001
827732	19400	7900	5403679.8	398594.9	-0.01	-0.01	0.23	0.002	0.402	0.017	-1	-0.001	-0.001
827733	19400	7950	5403661.0	398641.3	0.011	-0.01	-0.05	0.001	0.157	0.013	-1	-0.001	-0.001
827734	19400	8000	5403642.2	398687.6	-0.01	-0.01	0.18	0.003	0.172	0.028	-1	-0.001	-0.001
827736	19400	8100	5403604.5	398780.2	0.012	-0.01	0.28	0.002	0.186	0.091	1	-0.001	-0.001
827737	19400	8150	5403585.7	398826.5	0.014	-0.01	-0.05	-0.001	0.085	0.073	-1	-0.001	-0.001
827738	19400	8200	5403566.9	398872.9	0.018	-0.01	-0.05	-0.001	0.032	-0.01	-1	-0.001	-0.001
827739	19400	8250	5403548.1	398919.2	0.018	-0.01	-0.05	-0.001	0.055	-0.01	-1	-0.001	-0.001
827740	19400	8300	5403529.2	398965.5	0.032	-0.01	0.36	0.007	0.262	0.161	-1	0.001	-0.001
827741	19400	8350	5403510.4	399011.8	0.021	-0.01	-0.05	0.001	0.168	0.012	1	-0.001	-0.001
827742	19400	8400	5403491.6	399058.2	0.039	-0.01	-0.05	0.001	0.115	-0.01	-1	-0.001	-0.001
827743	19400	8450	5403472.8	399104.5	0.017	-0.01	-0.05	0.002	0.071	-0.01	1	-0.001	-0.001
827745	19400	8500	5403453.9	399150.8	0.021	-0.01	0.06	0.002	0.269	0.013	2	-0.001	-0.001
827746	19400	8550	5403435.1	399197.1	0.014	-0.01	0.11	0.001	0.299	0.023	2	-0.001	-0.001
827747	19400	8600	5403416.3	399243.4	0.022	-0.01	0.1	0.002	0.171	0.019	-1	-0.001	-0.001
827748	19400	8650	5403397.5	399289.8	0.061	0.045	0.11	0.003	0.248	0.024	2	-0.001	-0.001
827749	19400	8700	5403378.6	399336.1	0.017	-0.01	0.06	0.002	0.138	-0.01	-1	-0.001	-0.001
827750	19400	8750	5403359.8	399382.4	-0.01	-0.01	0.06	-0.001	0.096	-0.01	-1	-0.001	-0.001
827751	19400	8800	5403341.0	399428.7	-0.01	-0.01	0.19	-0.001	0.13	0.012	1	-0.001	-0.001
827753	19400	8900	5403303.3	399521.4	-0.01	-0.01	0.17	0.002	0.134	0.145	1	-0.001	-0.001
827754	19400	8950	5403284.5	399567.7	0.011	-0.01	0.25	0.004	0.251	0.848	2	-0.001	-0.001
827755	19400	9000	5403265.7	399614.0	0.017	-0.01	0.26	0.004	0.104	0.071	4	-0.001	-0.001
827756	19400	9050	5403246.9	399660.3	0.014	-0.01	0.31	0.004	0.203	0.177	2	-0.001	-0.001
827757	19400	9100	5403228.0	399706.6	-0.01	-0.01	0.25	0.007	0.385	1.6	2	0.001	-0.001
827758	19400	9150	5403209.2	399753.0	0.012	-0.01	0.15	0.005	0.235	0.08	2	-0.001	-0.001
827759	19400	9200	5403190.4	399799.3	-0.01	-0.01	0.2	0.002	0.211	0.126	4	-0.001	-0.001
827761	19400	9300	5403152.7	399891.9	0.013	-0.01	0.5	0.008	0.343	0.186	2	-0.001	-0.001
827762	19400	9350	5403133.9	399938.3	0.029	-0.01	0.15	-0.001	0.213	0.245	2	-0.001	-0.001
827763	19400	9400	5403115.1	399984.6	0.02	-0.01	0.44	0.003	0.294	0.351	2	-0.001	-0.001
828055	20000	8550	5403991.0	399423.0	0.044	-0.01	0.23	0.002	0.2	-0.01	1	0.002	-0.001
828056	20000	8600	5403972.1	399469.3	0.561	-0.01	0.11	0.004	0.111	-0.01	1	0.001	-0.001
828057	20000	8650	5403953.3	399515.7	0.03	-0.01	0.13	0.001	0.075	0.058	1	-0.001	-0.001
828058	20000	8700	5403934.5	399562.0	0.026	-0.01	0.11	0.001	0.233	0.034	1	-0.001	-0.001
828060	20000	8750	5403915.7	399608.3	0.018	-0.01	0.1	-0.001	0.095	-0.01	1	-0.001	-0.001
828062	20000	8850	5403878.0	399700.9	0.019	-0.01	0.06	0.002	0.054	0.02	1	0.002	-0.001

309151

Soil Sampling Partial Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828063	20000	8900	5403859.2	399747.3	0.029	-0.01	0.2	0.006	0.166	0.09	3	-0.001	-0.001
828064	20000	8950	5403840.4	399793.6	0.019	-0.01	-0.05	0.001	0.057	0.017	-1	-0.001	-0.001
828065	20000	9000	5403821.5	399839.9	0.014	-0.01	0.26	0.003	0.139	0.013	1	-0.001	-0.001
828066	20000	9050	5403802.7	399886.2	0.012	-0.01	0.07	0.003	0.029	0.065	-1	-0.001	-0.001
828067	20000	9100	5403783.9	399932.5	0.029	-0.01	0.69	0.004	0.298	0.301	7	-0.001	-0.001
828068	20000	9150	5403765.1	399978.9	0.02	-0.01	0.23	0.004	0.316	0.074	3	-0.001	-0.001

3091532

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827491	12000	4600	5398066.8	392751.7	32	26	70	-5	103	9	115	-5	-5
827492	12000	4640	5398051.7	392788.8	26	15	39	-5	45	5	80	-5	-5
827493	12000	4700	5398029.1	392844.3	58	12	76	-5	138	15	161	-5	-5
827494	12000	4740	5398014.0	392881.4	37	14	71	-5	122	12	121	-5	-5
827495	12000	4800	5397991.5	392937.0	39	19	80	-5	93	16	130	-5	-5
827496	12000	4850	5397972.6	392983.3	42	20	79	-5	119	28	161	-5	-5
827497	12000	4900	5397953.8	393029.6	65	7	125	-5	276	34	170	7	-5
828851	12800	5000	5398656.3	393424.5	49	-5	86	-5	154	43	154	15	-5
828852	12800	5050	5398637.5	393470.9	41	8	89	-5	121	22	161	29	-5
828843	13000	5000	5398841.6	393499.9	42	11	70	-5	145	12	83	48	-5
828844	13000	5050	5398822.7	393546.2	37	14	59	-5	137	13	113	45	-5
828795	13000	6050	5398446.1	394472.6	8	18	19	-5	36	-5	223	7	-5
828796	13000	6100	5398427.3	394518.9	6	18	9	-5	19	-5	189	5	-5
828797	13000	6150	5398408.5	394565.2	10	34	13	-5	13	-5	335	8	-5
828798	13000	6200	5398389.7	394611.5	6	67	10	-5	26	-5	234	8	-5
828407	13000	6250	5398372.0	394656.8	-5	8	7	-5	30	-5	130	-5	-5
828408	13000	6300	5398353.1	394703.1	-5	-5	11	-5	5	-5	85	5	-5
828409	13000	6350	5398334.3	394749.4	8	20	21	-5	39	-5	151	9	-5
828410	13000	6400	5398315.5	394795.8	5	11	13	-5	-5	-5	144	-5	-5
828411	13000	6450	5398296.7	394842.1	-5	8	14	-5	-5	-5	276	-5	-5
828412	13000	6500	5398277.8	394888.4	6	26	16	-5	12	-5	236	8	-5
828413	13000	6550	5398259.0	394934.7	15	21	43	-5	78	8	288	22	-5
828414	13000	6600	5398240.2	394981.0	13	15	17	-5	54	-5	122	11	-5
828415	13000	6650	5398221.4	395027.4	22	17	41	-5	84	18	333	19	-5
828416	13000	6700	5398202.5	395073.7	11	14	20	-5	12	-5	157	10	-5
828417	13000	6750	5398183.7	395120.0	14	12	36	-5	58	5	307	23	-5
828418	13000	6800	5398164.9	395166.3	-5	8	19	-5	-5	-5	279	10	-5
828419	13000	6840	5398149.8	395203.4	-5	5	15	-5	-5	-5	478	9	-5
828420	13000	6900	5398127.2	395259.0	6	6	28	-5	5	-5	241	12	-5
828421	13000	6950	5398108.4	395305.3	5	7	29	-5	5	-5	227	13	-5
828422	13000	7000	5398089.6	395351.6	-5	10	14	-5	-5	-5	243	6	-5
828423	13000	7050	5398070.8	395397.9	5	7	15	-5	-5	-5	223	9	-5
828424	13000	7100	5398051.9	395444.2	6	-5	5	-5	-5	-5	56	-5	-5
828425	13000	7150	5398033.1	395490.6	-5	5	16	-5	-5	-5	120	7	-5
828426	13000	7200	5398014.3	395536.9	-5	-5	7	-5	-5	-5	48	-5	-5
828427	13000	7250	5397995.5	395583.2	5	5	8	-5	-5	-5	146	5	-5
828428	13000	7300	5397976.6	395629.5	11	47	26	8	9	5	198	91	-5
828430	13000	7350	5397957.8	395675.9	7	14	15	-5	5	-5	288	15	-5
828431	13000	7400	5397939.0	395722.2	12	20	27	-5	6	-5	287	21	-5
828432	13000	7450	5397920.2	395768.5	25	45	30	-5	7	-5	221	18	-5
828433	13000	7500	5397901.3	395814.8	11	17	39	-5	8	-5	179	21	-5

3091153

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
828434	13000	7550	5397882.5	395861.1	13	26	34	-5	6	-5	152	19	-5
828876	13200	5100	5398989.2	393667.8	23	22	43	-5	115	34	146	10	-5
828877	13200	5150	5398970.3	393714.1	39	17	47	-5	102	37	199	12	-5
828878	13200	5200	5398951.5	393760.4	22	28	53	-5	111	32	139	13	-5
828879	13200	5250	5398932.7	393806.8	13	14	21	-5	33	22	88	7	-5
828880	13200	5300	5398913.9	393853.1	33	24	67	-5	103	38	200	15	-5
828881	13200	5350	5398895.0	393899.4	64	-5	118	-5	286	65	176	18	-5
828882	13200	5400	5398876.2	393945.7	6	12	11	-5	15	9	82	-5	-5
828883	13200	5450	5398857.4	393992.0	25	12	56	-5	139	38	139	12	-5
828884	13200	5500	5398838.5	394038.4	7	10	15	-5	37	17	107	5	-5
828885	13200	5550	5398819.7	394084.7	9	11	20	-5	46	13	113	9	-5
828886	13200	5600	5398800.9	394131.0	-5	25	16	-5	18	7	368	16	-5
828887	13200	5650	5398782.0	394177.3	-5	12	12	-5	18	7	296	11	-5
828888	13200	5700	5398763.2	394223.6	9	24	28	-5	66	13	286	20	-5
828889	13200	5750	5398744.4	394270.0	5	18	14	-5	15	8	262	9	-5
828890	13200	5800	5398725.6	394316.3	-5	5	9	-5	9	7	164	8	-5
828891	13200	5850	5398706.7	394362.6	-5	8	16	-5	26	8	730	20	-5
828892	13200	5900	5398687.9	394408.9	7	33	27	-5	35	13	542	68	-5
828893	13200	5950	5398669.1	394455.2	-5	12	10	-5	6	7	172	5	-5
828894	13200	6000	5398650.2	394501.6	-5	9	10	-5	9	7	131	6	-5
828353	13500	5500	5399117.5	394150.2	-5	10	10	-5	11	-5	116	6	-5
828354	13500	5550	5399098.7	394196.5	5	11	11	-5	14	-5	145	-5	-5
828355	13500	5600	5399079.9	394242.9	-5	5	5	-5	7	-5	81	-5	-5
828356	13500	5650	5399061.1	394289.2	-5	9	9	-5	13	-5	186	5	-5
828357	13500	5700	5399042.2	394335.5	-5	9	10	-5	9	-5	166	-5	-5
828358	13500	5750	5399023.4	394381.8	-5	8	12	-5	5	-5	245	7	-5
828359	13500	5800	5399004.6	394428.2	-5	11	11	-5	11	-5	231	7	-5
828360	13500	5850	5398985.8	394474.5	-5	10	12	-5	-5	-5	280	6	-5
828361	13500	5900	5398966.9	394520.8	-5	5	7	-5	-5	-5	488	7	-5
828362	13500	5950	5398948.1	394567.1	-5	8	15	-5	-5	-5	378	6	-5
828364	13500	6050	5398910.5	394659.8	10	40	26	-5	41	6	167	11	-5
828365	13500	6100	5398891.6	394706.1	16	7	48	-5	241	25	112	12	-5
828366	13500	6150	5398872.8	394752.4	10	8	35	-5	127	12	113	11	-5
828367	13500	6215	5398848.3	394812.6	11	11	21	-5	17	-5	245	16	-5
828368	13500	6250	5398835.2	394845.0	8	9	19	-5	8	-5	207	11	-5
828369	13500	6300	5398816.3	394891.4	-5	9	18	-5	6	-5	230	9	-5
828370	13500	6350	5398797.5	394937.7	-5	36	29	-5	15	-5	252	17	-5
828371	13500	6400	5398778.7	394984.0	-5	8	14	-5	-5	-5	140	-5	-5
828372	13500	6450	5398759.9	395030.3	-5	8	20	-5	-5	-5	191	7	-5
828373	13500	6500	5398741.0	395076.6	-5	5	18	-5	-5	-5	185	9	-5
828374	13500	6550	5398722.2	395123.0	-5	12	14	-5	-5	-5	143	-5	-5

309154

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828375	13500	6600	5398703.4	395169.3	-5	6	28	-5	-5	-5	227	15	-5
828376	13500	6675	5398675.2	395238.8	21	13	61	-5	45	8	332	16	-5
828378	13500	6750	5398646.9	395308.2	20	24	60	-5	38	5	549	31	-5
828379	13500	6800	5398628.1	395354.6	6	21	14	-5	12	-5	231	10	-5
828380	13500	6850	5398609.3	395400.9	8	10	14	-5	16	-5	219	10	-5
828381	13500	6900	5398590.4	395447.2	5	65	16	-5	6	-5	98	12	-5
828382	13500	6950	5398571.6	395493.5	-5	6	30	-5	-5	-5	153	22	-5
828383	13500	7000	5398552.8	395539.9	-5	18	29	-5	10	-5	232	12	-5
828384	13500	7050	5398534.0	395586.2	5	15	27	-5	8	-5	290	19	-5
828385	13500	7100	5398515.2	395632.5	-5	11	31	-5	-5	-5	265	20	-5
828386	13500	7150	5398496.3	395678.8	-5	5	8	-5	-5	-5	63	6	-5
828388	13500	7200	5398477.5	395725.1	-5	10	30	-5	6	-5	300	15	-5
828389	13500	7250	5398458.7	395771.5	9	7	28	-5	5	-5	188	15	-5
828390	13500	7300	5398439.9	395817.8	12	21	29	-5	6	-5	108	9	-5
828391	13500	7350	5398421.0	395864.1	14	13	42	-5	8	5	234	18	-5
828392	13500	7400	5398402.2	395910.4	15	14	115	-5	16	16	362	22	-5
828393	13500	7450	5398383.4	395956.7	11	15	39	-5	7	-5	249	17	-5
828394	13500	7500	5398364.6	396003.1	8	17	54	-5	11	-5	152	20	-5
828397	13500	7550	5398345.7	396049.4	11	14	60	-5	10	-5	280	22	-5
828398	13500	7600	5398326.9	396095.7	7	16	33	-5	8	-5	159	8	-5
828399	13500	7650	5398308.1	396142.0	14	15	54	-5	13	8	359	20	-5
828400	13500	7700	5398289.3	396188.3	11	19	43	-5	9	-5	325	21	-5
828401	13500	7750	5398270.4	396234.7	6	16	33	-5	6	-5	406	5	-5
828402	13500	7800	5398251.6	396281.0	12	23	40	-5	7	-5	358	16	-5
828403	13500	7850	5398232.8	396327.3	9	16	29	-5	5	-5	216	11	-5
828404	13500	7900	5398214.0	396373.6	7	15	47	-5	6	-5	310	19	-5
828405	13500	7950	5398195.1	396420.0	13	24	61	-5	7	-5	546	16	-5
828406	13500	8000	5398176.3	396466.3	5	15	20	-5	-5	-5	213	-5	-5
629880	14000	5500	5399580.8	394338.5	7	5	12	-5	16	-5	89	5	-5
629881	14000	5550	5399561.9	394384.8	-5	-5	6	-5	6	-5	93	-5	-5
629882	14000	5600	5399543.1	394431.1	-5	5	9	-5	8	-5	130	-5	-5
629883	14000	5650	5399524.3	394477.4	-5	-5	12	-5	13	-5	422	-5	-5
629884	14000	5700	5399505.5	394523.8	-5	-5	5	-5	7	-5	52	-5	-5
629885	14000	5750	5399486.6	394570.1	-5	6	10	-5	20	-5	223	8	-5
629886	14000	5800	5399467.8	394616.4	-5	11	11	-5	15	-5	268	10	-5
629887	14000	5850	5399449.0	394662.7	-5	8	7	-5	6	-5	55	-5	-5
629888	14000	5900	5399430.2	394709.0	-5	8	7	-5	8	-5	256	7	-5
629891	14000	5950	5399411.3	394755.4	-5	-5	6	-5	10	-5	143	-5	-5
629892	14000	6000	5399392.5	394801.7	-5	5	9	-5	18	-5	249	6	-5
629893	14000	6050	5399373.7	394848.0	8	14	15	-5	27	-5	683	9	-5
629894	14000	6100	5399354.9	394894.3	-5	8	10	-5	15	-5	359	13	-5

309155

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
629895	14000	6150	5399336.0	394940.6	5	7	10	-5	10	-5	196	7	-5
629896	14000	6200	5399317.2	394987.0	6	25	10	-5	14	-5	280	14	-5
629897	14000	6250	5399298.4	395033.3	8	7	10	-5	12	-5	120	5	-5
629898	14000	6300	5399279.6	395079.6	-5	-5	16	-5	15	-5	370	9	-5
629899	14000	6350	5399260.7	395125.9	-5	15	18	-5	-5	-5	270	6	-5
629900	14000	6400	5399241.9	395172.2	-5	6	22	-5	-5	-5	386	7	-5
629901	14000	6450	5399223.1	395218.6	5	7	25	-5	7	-5	114	12	-5
629902	14000	6500	5399204.3	395264.9	5	20	20	-5	5	-5	91	9	-5
629903	14000	6560	5399181.7	395320.5	-5	7	41	-5	10	11	166	16	-5
629905	14000	6600	5399166.6	395357.5	5	9	16	-5	-5	-5	169	6	-5
629904	14000	6650	5399147.8	395403.9	-5	17	16	-5	-5	-5	235	13	-5
629906	14000	6700	5399129.0	395450.2	8	15	38	-5	5	-5	325	13	-5
629907	14000	6750	5399110.1	395496.5	7	10	51	-5	7	6	316	14	-5
629908	14000	6800	5399091.3	395542.8	7	12	43	-5	5	8	196	14	-5
629909	14000	6850	5399072.5	395589.1	-5	9	15	-5	-5	-5	300	7	-5
629910	14000	6900	5399053.7	395635.5	-5	8	16	-5	-5	-5	166	6	-5
629912	14000	6950	5399034.8	395681.8	-5	6	19	-5	-5	-5	276	9	-5
629913	14000	7000	5399016.0	395728.1	-5	-5	31	-5	-5	-5	190	12	-5
629914	14000	7060	5398993.4	395783.7	-5	8	30	-5	-5	-5	186	10	-5
629915	14000	7100	5398978.4	395820.7	-5	-5	22	-5	-5	-5	73	7	-5
629916	14000	7150	5398959.5	395867.1	-5	14	26	-5	-5	-5	235	7	-5
629917	14000	7200	5398940.7	395913.4	-5	9	20	-5	-5	-5	233	-5	-5
629918	14000	7250	5398921.9	395959.7	-5	9	17	-5	-5	-5	526	-5	-5
629919	14000	7300	5398903.1	396006.0	-5	8	20	-5	-5	-5	195	5	-5
629920	14000	7350	5398884.2	396052.3	18	34	58	-5	-5	-5	214	17	-5
629921	14000	7410	5398861.6	396107.9	14	13	75	-5	9	8	208	13	-5
629922	14000	7450	5398846.6	396145.0	16	12	96	-5	10	13	162	12	-5
629923	14000	7500	5398827.8	396191.3	15	860	34	-5	5	-5	236	10	-5
629924	14000	7550	5398808.9	396237.6	15	15	42	-5	6	-5	276	7	-5
629925	14000	7600	5398790.1	396284.0	9	22	56	-5	7	6	406	11	-5
629926	14000	7660	5398767.5	396339.5	8	21	47	-5	7	-5	423	10	-5
629927	14000	7700	5398752.5	396376.6	10	17	27	-5	33	-5	137	8	-5
629928	14000	7760	5398729.9	396432.2	6	5	8	-5	-5	-5	37	-5	-5
629929	14000	7800	5398714.8	396469.2	6	14	25	-5	-5	-5	310	7	-5
629932	14000	7850	5398696.0	396515.6	13	20	16	-5	5	-5	197	7	-5
629933	14000	7920	5398669.6	396580.4	10	15	41	-5	37	5	205	6	-5
629934	14000	7950	5398658.3	396608.2	5	12	29	-5	-5	-5	152	-5	-5
629935	14000	7990	5398643.3	396645.3	5	10	16	-5	-5	-5	143	-5	-5
828334	14000	8050	5398620.7	396700.8	17	14	42	-5	56	8	248	8	-5
828335	14000	8100	5398601.9	396747.2	8	20	27	-5	38	-5	211	6	-5
828336	14000	8150	5398583.0	396793.5	5	15	30	-5	7	-5	322	8	-5

309156

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828339	14000	8200	5398564.2	396839.8	5	11	47	-5	6	-5	427	9	-5
828340	14000	8250	5398545.4	396886.1	-5	15	39	-5	6	-5	326	7	-5
828341	14000	8300	5398526.6	396932.4	-5	14	28	-5	-5	-5	202	9	-5
828342	14000	8350	5398507.7	396978.8	-5	9	11	-5	-5	-5	97	-5	-5
828343	14000	8400	5398488.9	397025.1	-5	9	12	-5	-5	-5	82	-5	-5
828451	14200	7000	5399200.0	395804.5	17	17	34	-5	8	-5	211	7	-5
828452	14200	7050	5399181.2	395850.8	14	23	38	-5	10	-5	322	-5	-5
828453	14200	7100	5399162.4	395897.2	14	13	40	-5	8	-5	111	5	-5
828454	14200	7150	5399143.5	395943.5	21	23	30	-5	10	-5	209	-5	-5
828455	14200	7200	5399124.7	395989.8	18	18	38	-5	12	-5	126	5	-5
828456	14200	7250	5399105.9	396036.1	25	22	57	-5	11	-5	195	7	-5
828457	14200	7300	5399087.0	396082.4	22	30	75	-5	13	-5	223	5	-5
828458	14200	7350	5399068.2	396128.8	21	25	41	-5	12	-5	174	6	-5
828459	14200	7400	5399049.4	396175.1	22	25	45	-5	18	-5	193	5	-5
828460	14200	7450	5399030.6	396221.4	21	28	27	-5	9	-5	100	8	-5
828461	14200	7500	5399011.7	396267.7	19	32	38	-5	11	-5	93	-5	-5
828462	14200	7550	5398992.9	396314.0	13	22	47	-5	12	-5	257	-5	-5
828463	14200	7600	5398974.1	396360.4	12	16	23	-5	8	-5	229	5	-5
828464	14200	7650	5398955.2	396406.7	13	29	28	-5	9	-5	335	-5	-5
828465	14200	7700	5398936.4	396453.0	14	23	30	-5	13	-5	304	5	-5
828466	14200	7750	5398917.6	396499.3	12	21	33	-5	11	-5	306	-5	-5
828467	14200	7800	5398898.8	396545.6	9	18	32	-5	9	-5	479	-5	-5
828468	14200	7850	5398879.9	396591.9	10	18	26	-5	8	-5	189	6	-5
828469	14200	7900	5398861.1	396638.3	15	27	36	-5	11	-5	294	-5	-5
828470	14200	7950	5398842.3	396684.6	15	29	50	-5	13	-5	250	-5	-5
828472	14200	8000	5398823.4	396730.9	19	26	36	-5	11	-5	156	6	-5
828473	14200	8050	5398804.6	396777.2	11	22	21	-5	9	-5	203	5	-5
828474	14200	8100	5398785.8	396823.5	8	10	24	-5	10	-5	44	-5	-5
828475	14200	8150	5398766.9	396869.9	33	19	65	-5	19	13	349	-5	-5
828476	14200	8175	5398757.5	396893.0	15	15	56	-5	11	10	473	-5	-5
828477	14200	8250	5398729.3	396962.5	12	22	34	-5	31	7	363	-5	-5
828478	14200	8300	5398710.5	397008.8	17	18	20	-5	32	-5	148	-5	-5
828479	14400	7000	5399385.3	395879.8	6	11	18	-5	10	-5	177	-5	-5
828480	14400	7050	5399366.5	395926.2	7	5	12	-5	7	-5	135	-5	-5
828481	14400	7100	5399347.6	395972.5	7	5	10	-5	9	-5	86	-5	-5
828482	14400	7150	5399328.8	396018.8	13	21	23	-5	7	-5	161	-5	-5
828483	14400	7200	5399310.0	396065.1	9	9	18	-5	8	-5	208	-5	-5
828484	14400	7250	5399291.2	396111.4	5	6	23	-5	6	-5	160	-5	-5
828485	14400	7300	5399272.3	396157.8	9	15	28	-5	7	-5	78	-5	-5
828486	14400	7350	5399253.5	396204.1	5	5	13	-5	6	-5	272	-5	-5
828487	14400	7400	5399234.7	396250.4	8	12	16	-5	9	-5	225	-5	-5

309157

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828488	14400	7450	5399215.8	396296.7	13	20	27	-5	10	-5	192	-5	-5
828489	14400	7500	5399197.0	396343.0	12	30	26	-5	7	-5	30	-5	-5
828492	14400	7550	5399178.2	396389.4	9	22	17	-5	7	-5	19	-5	-5
828493	14400	7600	5399159.3	396435.7	6	7	11	-5	9	-5	47	-5	-5
828494	14400	7650	5399140.5	396482.0	7	12	18	-5	7	-5	108	-5	-5
828495	14400	7700	5399121.7	396528.3	6	22	18	-5	11	-5	223	-5	-5
828496	14400	7750	5399102.9	396574.6	-5	21	18	-5	9	-5	317	-5	-5
828497	14400	7800	5399084.0	396620.9	5	7	14	-5	8	-5	22	-5	-5
828498	14400	7850	5399065.2	396667.3	9	12	9	-5	9	-5	18	-5	-5
828499	14400	7900	5399046.4	396713.6	-5	24	16	-5	-5	-5	15	7	-5
828500	14400	7950	5399027.5	396759.9	5	5	15	-5	8	-5	19	-5	-5
828501	14400	8000	5399008.7	396806.2	6	5	10	-5	9	-5	102	-5	-5
828502	14400	8050	5398989.9	396852.5	7	17	42	-5	10	7	489	-5	-5
828503	14400	8100	5398971.1	396898.9	13	24	39	-5	10	-5	461	-5	-5
828504	14400	8150	5398952.2	396945.2	11	26	40	-5	11	-5	380	-5	-5
828505	14400	8200	5398933.4	396991.5	11	25	54	-5	12	5	386	-5	-5
629936	14600	6000	5399948.4	395027.6	5	6	9	-5	-5	-5	39	-5	-5
629938	14600	6050	5399929.5	395073.9	7	7	13	-5	-5	-5	34	-5	-5
629937	14600	6100	5399910.7	395120.2	-5	-5	-5	-5	-5	-5	36	-5	-5
629939	14600	6150	5399891.9	395166.5	-5	5	7	-5	-5	-5	102	-5	-5
629940	14600	6200	5399873.1	395212.9	-5	8	36	-5	-5	-5	247	9	-5
629941	14600	6250	5399854.2	395259.2	6	8	11	-5	5	-5	151	-5	-5
629942	14600	6300	5399835.4	395305.5	14	11	34	-5	14	-5	247	16	-5
629943	14600	6350	5399816.6	395351.8	-5	8	27	-5	-5	-5	357	11	-5
629944	14600	6400	5399797.8	395398.1	9	9	57	-5	7	7	513	11	-5
629945	14600	6460	5399775.2	395453.7	6	13	57	-5	6	6	646	9	-5
629946	14600	6500	5399760.1	395490.8	13	17	51	-5	6	7	348	11	-5
629947	14600	6550	5399741.3	395537.1	9	13	55	-5	6	6	342	11	-5
629948	14600	6600	5399722.5	395583.4	-5	11	17	-5	-5	-5	654	9	-5
629949	14600	6650	5399703.6	395629.8	-5	6	12	-5	-5	-5	439	9	-5
629950	14600	6700	5399684.8	395676.1	-5	6	9	-5	-5	-5	340	7	-5
629951	14600	6750	5399666.0	395722.4	-5	9	13	-5	-5	-5	241	6	10
629952	14600	6800	5399647.2	395768.7	-5	-5	9	-5	-5	-5	47	-5	-5
629953	14600	6850	5399628.3	395815.0	-5	-5	9	-5	-5	-5	42	-5	-5
629955	14600	6900	5399609.5	395861.4	-5	6	14	-5	7	-5	60	-5	-5
629956	14600	6950	5399590.7	395907.7	-5	6	5	-5	-5	-5	29	-5	-5
629957	14600	7000	5399571.9	395954.0	-5	5	8	-5	6	-5	37	-5	-5
629958	14600	7050	5399553.0	396000.3	-5	-5	10	-5	-5	-5	26	-5	-5
629959	14600	7100	5399534.2	396046.6	-5	5	17	-5	-5	-5	33	-5	-5
629960	14600	7150	5399515.4	396093.0	5	7	11	-5	5	-5	75	-5	-5
629961	14600	7200	5399496.6	396139.3	-5	5	7	-5	-5	-5	18	-5	-5

309158

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
629962	14600	7250	5399477.7	396185.6	-5	6	6	-5	-5	-5	10	-5	-5
629963	14600	7300	5399458.9	396231.9	5	10	7	-5	6	-5	18	-5	-5
629964	14600	7350	5399440.1	396278.2	7	16	12	-5	11	-5	53	-5	-5
629965	14600	7400	5399421.3	396324.6	5	9	7	-5	5	-5	44	-5	-5
629966	14600	7450	5399402.4	396370.9	34	28	17	-5	62	-5	35	9	-5
629967	14600	7500	5399383.6	396417.2	8	42	20	-5	8	-5	44	-5	-5
629968	14600	7550	5399364.8	396463.5	-5	31	7	-5	5	-5	75	5	-5
629969	14600	7600	5399346.0	396509.8	14	68	21	-5	5	-5	218	21	-5
629970	14600	7650	5399327.1	396556.2	-5	12	17	-5	-5	-5	342	7	-5
629971	14600	7715	5399302.7	396616.4	8	19	52	-5	8	5	493	12	-5
629974	14600	7750	5399289.5	396648.8	42	16	70	-5	8	6	519	14	-5
629975	14600	7805	5399268.8	396699.8	6	33	45	-5	6	5	822	13	-5
629976	14600	7850	5399251.8	396741.5	9	30	38	-5	7	-5	560	13	-5
629977	14600	7900	5399233.0	396787.8	8	25	49	-5	7	7	423	9	-5
629978	14600	7960	5399210.4	396843.4	12	18	35	-5	7	-5	524	12	-5
629979	14600	8000	5399195.4	396880.4	12	24	39	-5	8	-5	726	12	-5
828345	14600	8050	5399176.5	396926.7	6	7	16	-5	-5	-5	122	7	-5
828346	14600	8100	5399157.7	396973.1	7	14	30	-5	7	-5	579	6	-5
828347	14600	8150	5399138.9	397019.4	8	14	44	-5	8	-5	660	10	-5
828348	14600	8200	5399120.1	397065.7	7	19	44	-5	8	18	586	9	-5
828349	14600	8250	5399101.2	397112.0	6	19	36	-5	7	-5	664	8	-5
828350	14600	8300	5399082.4	397158.3	5	14	32	-5	5	-5	323	10	-5
828351	14600	8350	5399063.6	397204.7	5	16	28	-5	-5	-5	759	9	-5
828352	14600	8400	5399044.8	397251.0	7	18	27	-5	5	-5	264	8	-5
828506	14800	6600	5399906.5	395659.9	5	5	10	-5	8	-5	132	-5	-5
828507	14800	6650	5399887.7	395706.2	-5	5	8	-5	7	-5	79	-5	-5
828508	14800	6700	5399868.8	395752.6	10	-5	7	-5	13	-5	53	-5	-5
828510	14800	6750	5399850.0	395798.9	-5	5	7	-5	9	-5	30	-5	-5
828511	14800	6800	5399831.2	395845.2	-5	5	10	-5	7	-5	97	-5	-5
828512	14800	6850	5399812.3	395891.5	6	-5	20	-5	13	-5	26	-5	-5
828513	14800	6900	5399793.5	395937.8	-5	-5	10	-5	8	-5	48	-5	-5
828514	14800	6950	5399774.7	395984.2	7	-5	8	-5	15	-5	46	-5	-5
828515	14800	7000	5399755.9	396030.5	-5	-5	12	-5	8	-5	58	-5	-5
828516	14800	7050	5399737.0	396076.8	-5	5	16	-5	10	-5	27	-5	-5
828517	14800	7100	5399718.2	396123.1	-5	7	13	-5	6	-5	13	-5	-5
828518	14800	7150	5399699.4	396169.4	5	-5	10	-5	13	-5	16	-5	-5
828519	14800	7200	5399680.5	396215.8	-5	5	7	-5	9	-5	13	-5	-5
828520	14800	7250	5399661.7	396262.1	-5	7	18	-5	8	-5	-10	5	-5
828521	14800	7300	5399642.9	396308.4	-5	-5	12	-5	5	-5	-10	-5	-5
828522	14800	7350	5399624.0	396354.7	-5	-5	6	-5	5	-5	16	-5	-5
828523	14800	7400	5399605.2	396401.0	-5	-5	11	-5	8	-5	87	-5	-5

309159

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828524	14800	7450	5399586.4	396447.4	6	25	29	-5	11	-5	156	-5	-5
828525	14800	7500	5399567.6	396493.7	-5	21	29	-5	10	-5	222	5	-5
828526	14800	7550	5399548.7	396540.0	-5	17	49	-5	7	-5	326	-5	-5
828527	14800	7600	5399529.9	396586.3	-5	6	30	-5	7	-5	478	-5	-5
828528	14800	7650	5399511.1	396632.6	-5	12	24	-5	5	-5	329	-5	-5
828531	14800	7700	5399492.2	396678.9	7	53	39	-5	10	-5	497	-5	-5
828532	14800	7750	5399473.4	396725.3	11	30	61	-5	11	-5	347	-5	-5
828533	14800	7800	5399454.6	396771.6	10	20	51	-5	12	8	338	-5	-5
828534	14800	7850	5399435.8	396817.9	11	23	33	-5	11	-5	459	-5	-5
828535	14800	7900	5399416.9	396864.2	12	22	30	-5	11	-5	370	-5	-5
828536	14800	7950	5399398.1	396910.5	11	23	26	-5	9	-5	442	-5	-5
828537	14800	8000	5399379.3	396956.9	6	18	21	-5	9	-5	479	-5	-5
828538	14800	8050	5399360.4	397003.2	6	21	40	-5	9	-5	570	-5	-5
828539	14800	8100	5399341.6	397049.5	9	16	43	-5	9	-5	397	-5	-5
828540	14800	8150	5399322.8	397095.8	11	18	40	-5	8	-5	401	-5	-5
828541	14800	8200	5399303.9	397142.1	10	15	33	-5	9	-5	335	-5	-5
828542	14800	8250	5399285.1	397188.5	8	14	25	-5	6	-5	466	-5	-5
828543	14800	8300	5399266.3	397234.8	9	15	21	-5	8	-5	170	-5	-5
828544	14800	8350	5399247.5	397281.1	10	36	27	-5	6	-5	355	7	-5
828545	14800	8400	5399228.6	397327.4	12	11	20	-5	10	-5	96	6	-5
828547	15000	6600	5400091.8	395735.2	23	8	27	-5	60	-5	24	-5	-5
828548	15000	6650	5400072.9	395781.6	19	9	28	-5	39	-5	37	-5	-5
828549	15000	6700	5400054.1	395827.9	14	9	22	-5	28	-5	38	-5	-5
828551	15000	6750	5400035.3	395874.2	16	5	29	-5	38	-5	51	-5	-5
828552	15000	6800	5400016.4	395920.5	21	11	25	-5	48	-5	50	-5	-5
828553	15000	6850	5399997.6	395966.8	30	10	52	-5	74	9	65	-5	-5
828554	15000	6900	5399978.8	396013.2	15	15	24	-5	15	-5	52	-5	-5
828555	15000	6950	5399960.0	396059.5	26	13	30	-5	55	5	77	-5	-5
828556	15000	7000	5399941.1	396105.8	28	28	34	-5	61	-5	57	-5	-5
828557	15000	7050	5399922.3	396152.1	8	7	10	-5	6	-5	18	-5	-5
828558	15000	7100	5399903.5	396198.4	40	-5	14	-5	11	-5	23	-5	-5
828559	15000	7150	5399884.6	396244.8	8	27	19	-5	6	-5	47	-5	-5
828560	15000	7200	5399865.8	396291.1	5	7	11	-5	-5	-5	40	-5	-5
828561	15000	7250	5399847.0	396337.4	6	19	23	-5	5	-5	294	-5	-5
828562	15000	7300	5399828.2	396383.7	7	11	15	-5	7	-5	345	-5	-5
828563	15000	7350	5399809.3	396430.0	6	5	19	-5	7	-5	162	-5	-5
828564	15000	7400	5399790.5	396476.4	5	7	16	-5	5	-5	232	-5	-5
828565	15000	7450	5399771.7	396522.7	6	23	24	-5	6	-5	296	-5	-5
828566	15000	7500	5399752.8	396569.0	7	15	37	-5	8	-5	262	-5	-5
828567	15000	7550	5399734.0	396615.3	10	21	46	-5	7	-5	310	-5	-5
828568	15000	7600	5399715.2	396661.6	6	11	43	-5	7	-5	381	-5	-5

309160

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828569	15000	7650	5399696.3	396707.9	11	19	35	-5	7	-5	224	-5	-5
828570	15000	7700	5399677.5	396754.3	17	34	97	-5	8	-5	161	-5	-5
828571	15000	7750	5399658.7	396800.6	23	18	43	-5	6	-5	412	-5	-5
828572	15000	7800	5399639.9	396846.9	10	16	32	-5	6	-5	534	-5	-5
828573	15000	7850	5399621.0	396893.2	10	17	34	-5	8	-5	417	-5	-5
828574	15000	7900	5399602.2	396939.5	10	23	31	-5	9	-5	433	-5	-5
828575	15000	7950	5399583.4	396985.9	15	40	32	-5	10	-5	513	-5	-5
828576	15000	8000	5399564.5	397032.2	13	34	16	-5	6	-5	580	-5	-5
828577	15000	8050	5399545.7	397078.5	6	21	19	-5	6	-5	413	-5	-5
828578	15000	8100	5399526.9	397124.8	7	14	15	-5	7	-5	346	-5	-5
828579	15000	8150	5399508.0	397171.1	6	20	18	-5	18	5	140	-5	-5
828580	15000	8200	5399489.2	397217.5	13	49	36	-5	6	-5	49	-5	-5
828581	15000	8250	5399470.4	397263.8	7	5	12	-5	-5	-5	18	-5	-5
828582	15000	8300	5399451.6	397310.1	6	6	9	-5	5	-5	23	-5	-5
828583	15000	8350	5399432.7	397356.4	-5	7	7	-5	-5	-5	17	-5	-5
828584	15000	8400	5399413.9	397402.7	6	7	12	-5	6	-5	16	-5	-5
629980	15200	6000	5400504.2	395253.5	35	16	54	-5	48	7	116	8	-5
629981	15200	6050	5400485.4	395299.8	24	12	80	-5	83	15	132	9	-5
629982	15200	6100	5400466.6	395346.1	46	14	93	-5	133	17	119	9	-5
629983	15200	6150	5400447.7	395392.4	40	12	74	-5	93	12	123	11	-5
629984	15200	6200	5400428.9	395438.8	36	17	67	-5	75	7	101	11	-5
629985	15200	6250	5400410.1	395485.1	47	26	69	-5	75	8	132	10	-5
629986	15200	6300	5400391.3	395531.4	32	19	49	-5	67	-5	82	10	-5
629987	15200	6350	5400372.4	395577.7	41	25	80	-5	77	13	149	10	-5
629988	15200	6400	5400353.6	395624.0	13	9	25	-5	22	-5	47	-5	-5
629989	15200	6450	5400334.8	395670.4	36	14	80	-5	134	10	94	9	-5
629990	15200	6500	5400316.0	395716.7	34	14	80	-5	98	11	110	11	-5
629991	15200	6550	5400297.1	395763.0	46	15	72	6	82	93	105	16	-5
629992	15200	6600	5400278.3	395809.3	39	10	74	-5	120	19	117	11	-5
629993	15200	6650	5400259.5	395855.6	34	8	71	-5	84	13	113	9	-5
629994	15200	6700	5400240.7	395902.0	45	18	72	-5	121	12	105	9	-5
629995	15200	6750	5400221.8	395948.3	32	13	56	-5	90	14	109	10	-5
629996	15200	6800	5400203.0	395994.6	43	11	68	-5	115	18	117	10	-5
629998	15200	6850	5400184.2	396040.9	38	12	65	-5	87	17	120	11	-5
629999	15200	6900	5400165.4	396087.3	37	12	79	-5	75	18	102	9	-5
630000	15200	6950	5400146.5	396133.6	42	28	62	-5	71	7	104	10	-5
827201	15200	7000	5400127.7	396179.9	58	18	47	-5	48	74	45	11	-5
827202	15200	7050	5400108.9	396226.2	7	33	13	-5	5	-5	29	-5	-5
827203	15200	7100	5400090.1	396272.5	5	-5	18	-5	9	-5	12	-5	-5
827204	15200	7150	5400071.2	396318.9	6	14	15	-5	5	-5	105	-5	-5
827205	15200	7200	5400052.4	396365.2	-5	-5	28	-5	-5	-5	69	11	-5

309161

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Be	As	Sb
827206	15200	7250	5400033.6	396411.5	-5	8	21	-5	-5	-5	53	10	-5
827207	15200	7300	5400014.8	396457.8	8	11	45	-5	5	-5	69	14	-5
827208	15200	7350	5399995.9	396504.1	-5	10	25	-5	-5	-5	92	11	-5
827209	15200	7400	5399977.1	396550.5	-5	7	24	-5	-5	-5	117	10	-5
827210	15200	7450	5399958.3	396596.8	7	13	26	-5	-5	-5	170	15	-5
827211	15200	7500	5399939.5	396643.1	7	21	23	-5	7	-5	369	8	-5
828302	15200	7550	5399920.6	396689.4	5	8	14	-5	8	-5	268	5	-5
828303	15200	7600	5399901.8	396735.7	5	8	9	-5	-5	-5	432	9	-5
828304	15200	7650	5399883.0	396782.1	7	11	15	-5	6	-5	272	9	-5
828305	15200	7700	5399864.2	396828.4	7	11	32	-5	-5	-5	575	8	-5
828306	15200	7750	5399845.3	396874.7	5	13	29	-5	5	-5	430	7	-5
828307	15200	7800	5399826.5	396921.0	5	14	19	-5	-5	-5	373	7	-5
828308	15200	7850	5399807.7	396967.3	5	13	13	-5	-5	-5	330	5	-5
828309	15200	7900	5399788.9	397013.7	12	10	53	-5	7	-5	253	13	-5
828310	15200	7950	5399770.0	397060.0	12	18	26	-5	6	-5	166	11	-5
828311	15200	8000	5399751.2	397106.3	22	21	34	-5	9	-5	158	13	-5
828312	15200	8050	5399732.4	397152.6	11	39	20	-5	5	-5	79	9	-5
828313	15200	8100	5399713.6	397199.0	8	23	18	-5	6	-5	111	7	-5
828314	15200	8150	5399694.7	397245.3	9	31	21	-5	7	-5	129	11	-5
828315	15200	8200	5399675.9	397291.6	-5	5	6	-5	-5	-5	21	-5	-5
828316	15200	8250	5399657.1	397337.9	5	11	7	-5	-5	-5	36	-5	-5
828317	15200	8300	5399638.3	397384.2	-5	18	8	-5	-5	-5	30	-5	-5
828318	15200	8350	5399619.4	397430.6	-5	30	16	-5	6	-5	92	-5	-5
828319	15200	8400	5399600.6	397476.9	-5	22	16	-5	8	-5	339	8	-5
828320	15200	8450	5399581.8	397523.2	-5	12	16	-5	-5	-5	39	-5	-5
828321	15200	8500	5399563.0	397569.5	-5	5	8	-5	-5	-5	21	-5	-5
828322	15200	8550	5399544.1	397615.8	13	13	22	-5	44	-5	21	7	-5
828323	15200	8600	5399525.3	397662.2	15	18	24	-5	45	-5	38	6	-5
828324	15200	8650	5399506.5	397708.5	32	7	47	-5	110	5	66	11	-5
828325	15200	8700	5399487.7	397754.8	54	-5	81	-5	122	103	71	11	-5
828326	15200	8750	5399468.8	397801.1	61	-5	74	-5	166	46	47	14	-5
828327	15200	8800	5399450.0	397847.4	48	-5	124	-5	160	49	93	11	-5
828328	15200	8850	5399431.2	397893.8	48	6	114	-5	130	34	71	10	-5
828330	15200	8900	5399412.4	397940.1	34	11	66	-5	78	21	55	11	-5
828331	15200	8950	5399393.5	397986.4	54	-5	115	-5	138	44	68	14	-5
828332	15200	9000	5399374.7	398032.7	54	5	99	-5	144	32	71	11	-5
828587	15400	6300	5400575.3	395608.0	38	8	74	-5	85	25	91	-5	-5
828588	15400	6350	5400556.5	395654.3	51	8	112	-5	136	57	69	-5	-5
828589	15400	6400	5400537.6	395700.6	56	5	97	-5	135	39	64	-5	-5
828590	15400	6450	5400518.8	395746.9	50	6	84	-5	116	32	55	-5	-5
828592	15400	6500	5400500.0	395793.2	31	25	47	-5	46	10	48	-5	-5

309192

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828593	15400	6550	5400481.1	395839.6	32	19	61	-5	60	17	60	-5	-5
828594	15400	6600	5400462.3	395885.9	41	10	81	-5	100	19	75	-5	-5
828595	15400	6650	5400443.5	395932.2	48	7	95	-5	143	35	54	-5	-5
828596	15400	6700	5400424.7	395978.5	45	5	78	-5	134	23	64	-5	-5
828597	15400	6750	5400405.8	396024.8	45	13	93	-5	127	30	92	-5	-5
828598	15400	6800	5400387.0	396071.2	34	10	75	-5	102	25	79	-5	-5
828599	15400	6850	5400368.2	396117.5	37	5	104	-5	139	30	113	-5	-5
828600	15400	6900	5400349.3	396163.8	41	11	82	-5	104	22	142	-5	-5
828601	15400	6950	5400330.5	396210.1	39	10	74	-5	91	14	142	-5	-5
828602	15400	7000	5400311.7	396256.4	40	10	73	-5	109	23	162	-5	-5
828603	15400	7050	5400292.9	396302.8	46	10	80	-5	129	30	125	-5	-5
828604	15400	7100	5400274.0	396349.1	49	23	51	5	66	99	57	7	-5
828605	15400	7150	5400255.2	396395.4	6	-5	10	-5	6	-5	10	-5	-5
828606	15400	7200	5400236.4	396441.7	5	6	9	-5	8	-5	23	-5	-5
828607	15400	7250	5400217.5	396488.0	-5	13	16	-5	6	-5	212	-5	-5
828608	15400	7300	5400198.7	396534.3	-5	13	20	-5	-5	-5	123	-5	-5
828609	15400	7350	5400179.9	396580.7	8	21	32	-5	9	-5	115	-5	-5
828610	15400	7400	5400161.0	396627.0	8	14	24	-5	7	5	204	5	-5
828611	15400	7450	5400142.2	396673.3	8	17	15	-5	8	-5	211	-5	-5
828612	15400	7500	5400123.4	396719.6	10	26	29	-5	7	-5	154	-5	-5
828613	15400	7550	5400104.6	396765.9	6	7	36	-5	6	-5	719	-5	-5
828614	15400	7600	5400085.7	396812.3	6	10	22	-5	7	-5	162	-5	-5
828615	15400	7650	5400066.9	396858.6	9	15	28	-5	6	-5	178	-5	-5
828616	15400	7700	5400048.1	396904.9	8	10	21	-5	7	-5	153	-5	-5
828617	15400	7750	5400029.2	396951.2	8	17	20	-5	7	-5	264	-5	-5
828618	15400	7800	5400010.4	396997.5	8	19	22	-5	6	-5	251	-5	-5
828619	15400	7850	5399991.6	397043.9	18	32	29	-5	5	-5	160	-5	-5
828620	15400	7900	5399972.7	397090.2	31	169	131	-5	11	11	275	10	-5
828621	15400	7950	5399953.9	397136.5	35	94	54	-5	10	-5	187	-5	-5
828622	15400	8000	5399935.1	397182.8	13	22	39	-5	8	-5	334	-5	-5
828623	15400	8050	5399916.3	397229.1	17	17	60	-5	14	5	241	-5	-5
828626	15400	8100	5399897.4	397275.5	16	21	51	-5	11	5	267	18	-5
828627	15400	8150	5399878.6	397321.8	24	34	45	-5	10	-5	182	10	-5
828628	15400	8200	5399859.8	397368.1	10	18	56	-5	8	8	170	5	-5
828629	15400	8250	5399840.9	397414.4	12	21	53	-5	11	8	318	9	-5
828630	15400	8300	5399822.1	397460.7	12	14	52	-5	12	10	166	16	-5
828631	15400	8350	5399803.3	397507.0	9	17	19	-5	7	5	199	5	-5
828632	15400	8400	5399784.5	397553.4	8	29	16	-5	9	6	162	10	-5
827311	15600	6000	5400874.8	395404.1	66	10	87	-5	159	17	107	-5	-5
827312	15600	6050	5400855.9	395450.4	48	-5	94	-5	177	32	141	-5	-5
827313	15600	6100	5400837.1	395496.7	67	-5	115	-5	204	30	99	6	-5

309163

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827314	15600	6150	5400818.3	395543.0	69	-5	104	-5	201	17	101	7	-5
827316	15600	6200	5400799.5	395589.4	63	-5	99	-5	198	24	89	5	-5
827317	15600	6250	5400780.7	395635.7	78	-5	100	-5	172	37	102	6	-5
827318	15600	6300	5400761.8	395682.0	61	-5	137	-5	156	60	99	6	-5
827319	15600	6350	5400743.0	395728.3	47	8	85	-5	132	17	99	6	-5
827320	15600	6400	5400724.2	395774.6	26	14	59	-5	80	18	136	-5	-5
827321	15600	6450	5400705.4	395821.0	32	8	79	-5	112	42	113	7	-5
827322	15600	6500	5400686.5	395867.3	56	6	163	-5	176	41	130	6	-5
827323	15600	6550	5400667.7	395913.6	56	7	121	-5	160	49	149	7	-5
827324	15600	6600	5400648.9	395959.9	71	-5	134	-5	222	46	136	5	-5
827325	15600	6650	5400630.1	396006.2	58	9	124	-5	169	35	129	5	-5
827326	15600	6700	5400611.2	396052.6	61	7	132	-5	219	38	119	5	-5
827327	15600	6750	5400592.4	396098.9	67	-5	131	-5	188	48	154	-5	-5
827328	15600	6800	5400573.6	396145.2	54	7	124	-5	176	41	140	-5	-5
828258	15600	6850	5400554.8	396191.5	24	13	79	-5	93	22	106	14	-5
828259	15600	6900	5400535.9	396237.8	18	11	40	-5	44	-5	93	10	-5
828260	15600	6950	5400517.1	396284.2	24	10	42	-5	51	5	66	11	-5
828261	15600	7000	5400498.3	396330.5	19	22	40	-5	47	-5	75	10	-5
828262	15600	7050	5400479.5	396376.8	-5	7	11	-5	-5	-5	76	-5	-5
828263	15600	7100	5400460.6	396423.1	9	27	13	-5	-5	-5	25	-5	-5
828264	15600	7150	5400441.8	396469.5	-5	12	21	-5	-5	-5	135	5	-5
828265	15600	7200	5400423.0	396515.8	-5	15	15	-5	-5	-5	314	-5	-5
828266	15600	7250	5400404.2	396562.1	-5	15	21	-5	-5	-5	346	7	-5
828267	15600	7300	5400385.3	396608.4	-5	14	13	-5	-5	-5	199	5	-5
828268	15600	7350	5400366.5	396654.7	-5	10	19	-5	-5	-5	474	8	-5
828269	15600	7400	5400347.7	396701.1	6	15	11	-5	-5	-5	259	6	-5
828270	15600	7450	5400328.9	396747.4	5	26	17	-5	-5	-5	78	7	-5
828271	15600	7500	5400310.0	396793.7	-5	-5	-5	-5	-5	-5	27	5	-5
828272	15600	7550	5400291.2	396840.0	-5	15	20	-5	-5	-5	133	5	-5
828273	15600	7600	5400272.4	396886.3	-5	14	31	-5	-5	-5	77	8	-5
828274	15600	7650	5400253.6	396932.7	6	12	28	-5	6	-5	153	10	-5
828275	15600	7700	5400234.7	396979.0	5	7	53	-5	6	-5	98	13	-5
828276	15600	7750	5400215.9	397025.3	5	14	29	-5	-5	-5	121	9	-5
828277	15600	7800	5400197.1	397071.6	-5	10	23	-5	-5	-5	328	11	-5
828278	15600	7850	5400178.3	397117.9	6	11	16	-5	-5	-5	290	12	-5
828279	15600	7900	5400159.4	397164.3	-5	6	24	-5	-5	-5	127	9	-5
828280	15600	7950	5400140.6	397210.6	8	22	28	-5	-5	-5	218	10	-5
828281	15600	8000	5400121.8	397256.9	7	11	30	-5	6	-5	167	11	-5
828283	15600	8050	5400103.0	397303.2	6	5	16	-5	-5	-5	271	8	-5
828284	15600	8100	5400084.1	397349.6	9	12	27	-5	-5	-5	138	5	-5
828285	15600	8150	5400065.3	397395.9	9	19	21	-5	6	-5	144	7	-5

309164

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828286	15600	8200	5400046.5	397442.2	12	20	34	-5	7	-5	203	9	-5
828287	15600	8250	5400027.7	397488.5	7	19	42	-5	5	-5	200	10	-5
828288	15600	8300	5400008.8	397534.8	12	22	65	-5	9	-5	1010	6	-5
828289	15600	8350	5399990.0	397581.2	8	23	21	-5	7	-5	255	12	-5
828290	15600	8400	5399971.2	397627.5	5	14	13	-5	-5	-5	77	-5	-5
828291	15600	8450	5399952.4	397673.8	6	6	8	-5	-5	-5	80	-5	-5
828292	15600	8500	5399933.5	397720.1	7	6	9	-5	5	-5	22	-5	-5
828295	15600	8550	5399914.7	397766.4	8	8	12	-5	13	-5	24	-5	-5
828296	15600	8600	5399895.9	397812.8	23	13	27	-5	50	-5	53	-5	-5
828297	15600	8650	5399877.1	397859.1	19	10	21	-5	42	-5	39	-5	-5
828298	15600	8700	5399858.2	397905.4	32	8	32	-5	54	-5	46	8	-5
828299	15600	8750	5399839.4	397951.7	40	16	58	-5	128	5	60	11	-5
828300	15600	8800	5399820.6	397998.0	58	-5	83	-5	147	19	80	13	-5
827332	16000	6050	5401226.5	395601.0	64	-5	149	-5	214	57	130	6	-5
827333	16000	6100	5401207.7	395647.3	58	11	135	-5	191	36	133	6	-5
827334	16000	6150	5401188.9	395693.6	71	5	146	-5	221	41	126	7	-5
827335	16000	6200	5401170.0	395740.0	56	-5	143	-5	189	48	175	-5	-5
827344	16000	6250	5401151.2	395786.3	74	6	180	-5	222	53	160	6	-5
827337	16000	6300	5401132.4	395832.6	51	13	121	-5	179	38	95	9	-5
827339	16000	6350	5401113.6	395878.9	61	9	120	-5	211	34	130	6	-5
827340	16000	6400	5401094.7	395925.2	70	-5	127	-5	233	47	148	5	-5
827341	16000	6450	5401075.9	395971.6	60	-5	126	-5	177	31	139	-5	-5
827342	16000	6500	5401057.1	396017.9	58	45	80	-5	100	10	182	-5	-5
827343	16000	6560	5401034.5	396073.5	47	16	99	-5	148	24	141	-5	-5
827336	16000	6600	5401019.4	396110.5	43	11	82	-5	158	17	129	7	-5
828234	16000	6650	5401000.6	396156.8	42	9	65	-5	116	9	120	10	-5
828235	16000	6700	5400981.8	396203.2	48	10	72	-5	151	14	97	11	-5
828236	16000	6750	5400963.0	396249.5	46	7	92	-5	157	24	120	13	-5
828237	16000	6800	5400944.1	396295.8	41	6	78	-5	135	16	82	15	-5
828238	16000	6850	5400925.3	396342.1	33	5	100	-5	134	27	116	15	-5
828239	16000	6900	5400906.5	396388.4	37	5	66	-5	80	11	96	12	-5
828240	16000	6950	5400887.7	396434.8	33	11	77	-5	113	13	88	13	-5
828241	16000	7000	5400868.8	396481.1	21	11	26	-5	65	-5	68	9	-5
828243	16000	7050	5400850.0	396527.4	21	14	16	-5	57	-5	77	10	-5
828244	16000	7100	5400831.2	396573.7	19	12	24	-5	51	-5	66	6	-5
828245	16000	7150	5400812.4	396620.1	5	8	10	-5	8	-5	67	-5	-5
828246	16000	7200	5400793.5	396666.4	-5	18	7	-5	9	-5	215	7	-5
828247	16000	7250	5400774.7	396712.7	-5	15	8	-5	5	-5	267	13	-5
828248	16000	7300	5400755.9	396759.0	-5	10	8	-5	-5	-5	243	10	-5
828249	16000	7350	5400737.1	396805.3	-5	7	-5	-5	-5	-5	387	9	-5
828250	16000	7400	5400718.2	396851.7	-5	12	10	-5	-5	-5	301	8	-5

309165

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828251	16000	7450	5400699.4	396898.0	-5	27	16	-5	6	-5	488	31	-5
828252	16000	7500	5400680.6	396944.3	-5	14	13	-5	12	-5	486	17	-5
828253	16000	7550	5400661.8	396990.6	-5	20	11	-5	10	-5	320	10	-5
827345	16000	7600	5400643.0	397036.9	6	6	9	-5	16	-5	325	-5	-5
827346	16000	7650	5400624.1	397083.3	-5	11	6	-5	7	-5	181	119	-5
827347	16000	7700	5400605.3	397129.6	-5	6	13	-5	11	-5	495	8	-5
827348	16000	7750	5400586.5	397175.9	-5	-5	12	-5	-5	-5	462	11	-5
827349	16000	7800	5400567.7	397222.2	-5	8	11	-5	-5	-5	381	6	-5
827350	16000	7850	5400548.8	397268.5	-5	16	16	-5	-5	-5	456	9	-5
827351	16000	7900	5400530.0	397314.9	-5	10	13	-5	-5	-5	295	7	-5
827352	16000	7950	5400511.2	397361.2	9	33	138	-5	12	8	651	13	-5
827353	16000	8000	5400492.4	397407.5	5	19	36	-5	8	-5	171	9	-5
827354	16000	8050	5400473.5	397453.8	10	26	44	-5	9	-5	260	9	-5
827355	16000	8100	5400454.7	397500.1	-5	10	22	-5	5	-5	360	6	-5
827356	16000	8150	5400435.9	397546.5	5	12	26	-5	6	-5	292	5	-5
827357	16000	8200	5400417.1	397592.8	-5	16	26	-5	5	-5	198	7	-5
827358	16000	8250	5400398.2	397639.1	9	11	36	-5	-5	-5	272	5	-5
827359	16000	8300	5400379.4	397685.4	8	27	27	-5	9	-5	342	8	-5
827360	16000	8350	5400360.6	397731.8	9	10	22	-5	10	-5	105	-5	-5
827361	16000	8400	5400341.8	397778.1	22	9	56	-5	78	-5	70	-5	-5
827362	16000	8450	5400322.9	397824.4	58	8	85	-5	171	14	145	8	-5
827363	16000	8500	5400304.1	397870.7	44	23	71	-5	140	8	143	6	-5
827364	16000	8550	5400285.3	397917.0	61	8	77	-5	162	16	167	7	-5
827365	16000	8600	5400266.5	397963.4	23	10	29	-5	61	-5	56	-5	-5
827366	16000	8650	5400247.6	398009.7	29	8	73	-5	178	14	167	5	-5
827367	16000	8700	5400228.8	398056.0	63	9	123	-5	179	26	86	9	-5
827368	16000	8750	5400210.0	398102.3	54	-5	117	-5	152	32	98	7	-5
827369	16000	8800	5400191.2	398148.6	54	8	119	-5	145	31	132	6	-5
827370	16000	8850	5400172.3	398195.0	57	-5	130	-5	169	45	164	-5	-5
827371	16000	8900	5400153.5	398241.3	62	-5	144	-5	195	57	163	-5	-5
827374	16000	8950	5400134.7	398287.6	45	12	127	-5	127	40	129	7	-5
827375	16000	9000	5400115.9	398333.9	74	11	146	-5	193	50	157	6	-5
827376	16000	9050	5400097.0	398380.2	52	8	165	-5	172	52	118	7	-5
827377	16000	9100	5400078.2	398426.6	57	6	164	-5	192	56	102	8	-5
827378	16000	9150	5400059.4	398472.9	55	5	143	-5	197	62	151	-5	-5
827379	16000	9200	5400040.6	398519.2	48	-5	156	-5	201	95	139	5	-5
828186	16500	7000	5401332.1	396669.3	11	8	14	-5	6	-5	91	6	-5
828187	16500	7050	5401313.2	396715.7	9	5	8	-5	-5	-5	81	5	-5
828188	16500	7100	5401294.4	396762.0	9	6	13	-5	-5	-5	33	-5	-5
828189	16500	7150	5401275.6	396808.3	8	14	10	-5	-5	-5	27	5	-5
828190	16500	7200	5401256.8	396854.6	8	6	6	-5	-5	-5	46	5	-5

309166

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828191	16500	7250	5401237.9	396900.9	7	15	9	-5	-5	-5	21	-5	-5
828192	16500	7300	5401219.1	396947.3	5	8	-5	-5	-5	-5	-10	-5	-5
828193	16500	7350	5401200.3	396993.6	7	5	8	-5	-5	-5	44	-5	-5
828194	16500	7400	5401181.5	397039.9	7	12	6	-5	-5	-5	24	-5	-5
828195	16500	7450	5401162.6	397086.2	5	7	8	-5	-5	-5	103	8	-5
828196	16500	7500	5401143.8	397132.5	5	10	15	-5	-5	-5	243	10	-5
828197	16500	7550	5401125.0	397178.9	10	16	18	-5	-5	-5	172	9	-5
828198	16500	7600	5401106.2	397225.2	6	11	9	-5	-5	-5	161	10	-5
828199	16500	7650	5401087.3	397271.5	6	5	9	-5	-5	-5	213	8	-5
828200	16500	7700	5401068.5	397317.8	8	12	17	-5	-5	-5	210	6	-5
828201	16500	7750	5401049.7	397364.1	6	7	7	-5	-5	-5	62	-5	-5
828203	16500	7800	5401030.9	397410.5	7	6	12	-5	5	-5	30	-5	-5
828204	16500	7850	5401012.0	397456.8	8	9	12	-5	-5	-5	211	9	-5
828205	16500	7875	5401002.6	397480.0	7	10	8	-5	-5	-5	172	7	-5
828206	16500	7950	5400974.4	397549.4	8	10	13	-5	-5	-5	162	7	-5
828207	16500	8000	5400955.6	397595.8	8	9	7	-5	-5	-5	57	5	-5
828208	16500	8050	5400936.7	397642.1	5	5	7	-5	-5	-5	62	5	-5
828209	16500	8100	5400917.9	397688.4	5	-5	6	-5	-5	-5	21	-5	-5
828210	16500	8150	5400899.1	397734.7	11	6	7	-5	6	-5	32	-5	-5
828211	16500	8200	5400880.3	397781.0	8	12	7	-5	5	-5	40	-5	-5
828212	16500	8250	5400861.4	397827.4	10	23	11	-5	-5	-5	35	-5	-5
828213	16500	8300	5400842.6	397873.7	7	7	8	-5	-5	-5	26	-5	-5
828216	16500	8350	5400823.8	397920.0	8	10	7	-5	5	-5	25	-5	-5
828217	16500	8400	5400805.0	397966.3	-5	7	6	-5	-5	-5	21	-5	-5
828218	16500	8450	5400786.1	398012.6	7	8	6	-5	-5	-5	21	-5	-5
828219	16500	8500	5400767.3	398059.0	-5	-5	-5	-5	-5	-5	13	-5	-5
828220	16500	8550	5400748.5	398105.3	10	10	9	-5	5	-5	26	-5	-5
828221	16500	8600	5400729.7	398151.6	14	15	29	-5	23	-5	184	9	-5
827214	16600	8600	5400822.3	398189.3	19	7	24	-5	32	-5	17	-5	-5
827215	16600	8650	5400803.5	398235.6	64	-5	81	-5	189	39	79	11	-5
827216	16600	8700	5400784.7	398281.9	66	-5	102	-5	186	70	95	13	-5
827217	16600	8750	5400765.8	398328.2	58	10	114	-5	143	36	93	12	-5
827218	16600	8800	5400747.0	398374.5	52	11	124	-5	138	58	148	13	-5
827219	16600	8825	5400737.6	398397.7	60	-5	131	-5	140	44	114	9	-5
827220	16600	8900	5400709.4	398467.2	54	-5	122	-5	135	42	108	10	-5
827221	16600	8950	5400690.5	398513.5	81	-5	130	-5	155	37	91	10	-5
827222	16600	9000	5400671.7	398559.8	76	-5	137	-5	193	61	91	13	-5
827223	16600	9050	5400652.9	398606.1	74	-5	133	-5	219	87	79	12	-5
827224	16600	9100	5400634.1	398652.5	64	-5	116	-5	168	38	97	12	-5
827225	16600	9150	5400615.2	398698.8	43	6	109	-5	149	35	84	7	-5
827226	16600	9200	5400596.4	398745.1	57	6	139	-5	229	28	110	9	-5

309167

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827227	16600	9265	5400571.9	398805.3	29	9	94	-5	191	14	160	6	-5
827228	16600	9300	5400558.8	398837.7	47	17	73	6	145	96	87	11	-5
827229	16600	9350	5400539.9	398884.1	57	5	112	-5	240	28	46	14	-5
827230	16600	9400	5400521.1	398930.4	68	7	172	-5	276	50	108	8	-5
827231	16600	9450	5400502.3	398976.7	68	6	159	-5	298	57	90	7	-5
828633	16800	7300	5401495.6	397061.6	10	26	15	-5	8	-5	174	5	-5
828634	16800	7350	5401476.8	397107.9	7	10	11	-5	6	-5	136	7	-5
828635	16800	7400	5401458.0	397154.2	6	5	9	-5	8	-5	93	7	-5
828636	16800	7450	5401439.1	397200.5	6	5	11	-5	10	-5	75	7	-5
828637	16800	7500	5401420.3	397246.9	7	6	10	-5	11	-5	133	12	-5
828638	16800	7550	5401401.5	397293.2	-5	5	11	-5	8	-5	136	6	-5
828639	16800	7600	5401382.7	397339.5	-5	13	17	-5	7	-5	250	5	-5
828640	16800	7650	5401363.8	397385.8	11	18	16	-5	11	-5	300	7	-5
828641	16800	7700	5401345.0	397432.1	12	5	12	-5	6	-5	210	6	-5
828642	16800	7750	5401326.2	397478.5	6	14	11	-5	5	-5	214	7	-5
828643	16800	7800	5401307.3	397524.8	5	17	10	-5	5	-5	183	14	-5
828644	16800	7850	5401288.5	397571.1	5	-5	-5	-5	-5	-5	98	6	-5
828645	16800	7900	5401269.7	397617.4	6	-5	5	-5	11	-5	108	5	-5
828646	16800	7950	5401250.8	397663.7	9	17	14	-5	12	-5	209	7	-5
828647	16800	8000	5401232.0	397710.0	8	5	6	-5	15	-5	96	6	-5
828648	16800	8050	5401213.2	397756.4	6	5	7	-5	7	-5	134	5	-5
828649	16800	8100	5401194.4	397802.7	15	12	15	-5	13	-5	163	8	-5
828650	16800	8150	5401175.5	397849.0	-5	-5	11	-5	-5	-5	223	-5	-5
828652	16800	8200	5401156.7	397895.3	-5	5	10	-5	5	-5	136	6	-5
828653	16800	8250	5401137.9	397941.6	-5	5	7	-5	-5	-5	22	5	-5
828654	16800	8300	5401119.0	397988.0	-5	6	9	-5	-5	-5	11	-5	-5
828655	16800	8350	5401100.2	398034.3	-5	5	11	-5	5	-5	33	-5	-5
828656	16800	8400	5401081.4	398080.6	12	5	9	-5	10	-5	25	-5	-5
828657	16800	8450	5401062.6	398126.9	18	11	18	-5	31	10	30	5	-5
828658	16800	8500	5401043.7	398173.2	16	21	14	-5	45	11	48	6	-5
828659	16800	8550	5401024.9	398219.6	6	-5	7	-5	7	-5	13	-5	-5
828660	16800	8600	5401006.1	398265.9	-5	-5	6	-5	5	-5	-10	-5	-5
828661	16800	8650	5400987.2	398312.2	7	-5	8	-5	8	-5	-10	-5	-5
828662	16800	8700	5400968.4	398358.5	5	-5	5	-5	6	-5	-10	-5	-5
828663	16800	8750	5400949.6	398404.8	5	-5	14	-5	-5	-5	-10	-5	-5
828664	16800	8800	5400930.7	398451.1	55	-5	149	-5	153	44	65	8	-5
828665	16800	8850	5400911.9	398497.5	67	-5	169	-5	240	89	345	5	-5
828666	16800	8900	5400893.1	398543.8	66	10	113	-5	178	58	104	10	-5
828667	16800	8950	5400874.3	398590.1	65	6	103	-5	186	51	68	6	-5
828668	16800	9000	5400855.4	398636.4	63	5	116	-5	176	56	100	-5	-5
828671	16800	9050	5400836.6	398682.7	64	11	122	-5	183	58	81	7	-5

3091168

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828672	16800	9100	5400817.8	398729.1	93	5	136	-5	251	63	112	8	-5
828673	16800	9150	5400798.9	398775.4	36	5	76	-5	184	36	121	6	-5
828674	16800	9200	5400780.1	398821.7	41	16	57	-5	136	23	87	8	-5
828675	16800	9250	5400761.3	398868.0	61	5	101	-5	235	37	77	8	-5
828676	16800	9300	5400742.4	398914.3	86	9	112	-5	300	38	94	7	-5
827380	17000	7500	5401607.0	397320.8	7	6	13	-5	7	-5	24	-5	-5
827382	17000	7550	5401588.2	397367.1	9	27	7	-5	7	-5	45	-5	-5
827383	17000	7600	5401569.4	397413.4	-5	12	15	-5	6	-5	272	8	-5
827384	17000	7650	5401550.5	397459.8	9	15	12	-5	6	-5	125	-5	-5
827385	17000	7700	5401531.7	397506.1	6	6	14	-5	5	-5	145	-5	-5
827386	17000	7750	5401512.9	397552.4	7	6	8	-5	5	-5	91	-5	-5
827387	17000	7800	5401494.1	397598.7	10	8	9	-5	5	-5	87	-5	-5
827388	17000	7850	5401475.2	397645.0	12	6	7	-5	7	-5	53	-5	-5
827389	17000	7900	5401456.4	397691.4	7	9	14	-5	-5	-5	173	6	-5
827390	17000	7950	5401437.6	397737.7	7	7	11	-5	5	-5	75	-5	-5
827391	17000	8000	5401418.8	397784.0	6	5	6	-5	5	-5	121	-5	-5
827392	17000	8050	5401399.9	397830.3	-5	12	13	-5	-5	-5	202	-5	-5
827393	17000	8100	5401381.1	397876.6	5	7	10	-5	-5	-5	138	-5	-5
827394	17000	8150	5401362.3	397923.0	9	5	11	-5	-5	-5	99	-5	-5
827395	17000	8200	5401343.5	397969.3	9	7	10	-5	-5	-5	149	-5	-5
827396	17000	8250	5401324.6	398015.6	-5	8	13	-5	-5	-5	172	-5	-5
827397	17000	8300	5401305.8	398061.9	7	7	10	-5	-5	-5	169	-5	-5
827398	17000	8350	5401287.0	398108.2	7	9	18	-5	-5	-5	246	-5	-5
827399	17000	8400	5401268.2	398154.6	8	10	12	-5	7	-5	104	-5	-5
827400	17000	8450	5401249.4	398200.9	8	7	16	-5	7	-5	190	-5	-5
827401	17000	8500	5401230.5	398247.2	7	24	12	-5	6	-5	233	-5	-5
827402	17000	8550	5401211.7	398293.5	84	5	86	-5	133	59	96	10	-5
827403	17000	8600	5401192.9	398339.9	70	-5	109	-5	155	56	79	23	-5
827404	17000	8650	5401174.1	398386.2	47	8	77	-5	157	24	84	-5	-5
827405	17000	8700	5401155.2	398432.5	70	9	99	-5	208	38	96	6	-5
827406	17000	8750	5401136.4	398478.8	62	7	90	-5	154	35	60	5	-5
827407	17000	8800	5401117.6	398525.1	72	6	121	-5	188	52	73	7	-5
827408	17000	8850	5401098.8	398571.5	75	-5	99	-5	259	37	120	-5	-5
827409	17000	8900	5401079.9	398617.8	55	-5	97	-5	199	57	72	5	-5
827410	17000	8950	5401061.1	398664.1	67	-5	98	-5	205	55	69	5	-5
827411	17000	9000	5401042.3	398710.4	56	5	92	-5	157	27	56	-5	-5
827412	17000	9050	5401023.5	398756.7	40	13	117	-5	155	35	88	-5	-5
827413	17000	9100	5401004.6	398803.1	54	-5	146	-5	212	32	53	-5	-5
827416	17000	9150	5400985.8	398849.4	58	17	139	-5	225	42	96	5	-5
827417	17000	9200	5400967.0	398895.7	61	-5	157	-5	244	52	98	-5	-5
827418	17000	9250	5400948.2	398942.0	69	-5	180	-5	274	61	137	-5	-5

309169

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827419	17000	9300	5400929.3	398988.3	62	-5	134	-5	233	51	75	-5	-5
828677	17200	7000	5401979.2	396934.3	99	5	123	-5	171	62	135	11	-5
828678	17200	7050	5401960.3	396980.6	66	5	142	-5	193	57	132	6	-5
828679	17200	7100	5401941.5	397026.9	52	-5	110	-5	151	53	113	8	-5
828680	17200	7150	5401922.7	397073.3	18	5	56	-5	69	32	108	6	-5
828681	17200	7200	5401903.8	397119.6	7	5	10	-5	7	5	54	-5	-5
828682	17200	7250	5401885.0	397165.9	47	7	96	-5	135	39	94	15	-5
828683	17200	7300	5401866.2	397212.2	40	26	39	-5	86	25	115	10	-5
828684	17200	7350	5401847.4	397258.5	49	11	104	-5	129	40	110	11	-5
828685	17200	7400	5401828.5	397304.9	31	15	55	-5	99	18	62	6	-5
828686	17200	7450	5401809.7	397351.2	20	9	14	-5	10	5	92	-5	-5
828687	17200	7500	5401790.9	397397.5	12	12	14	-5	23	8	67	-5	-5
828688	17200	7550	5401772.0	397443.8	41	11	59	-5	107	20	79	10	-5
828689	17200	7600	5401753.2	397490.1	55	5	62	-5	94	19	78	8	-5
828690	17200	7650	5401734.4	397536.4	45	16	51	-5	124	19	89	8	-5
828691	17200	7700	5401715.5	397582.8	13	9	18	-5	25	5	32	-5	-5
828692	17200	7750	5401696.7	397629.1	16	10	15	-5	17	-5	161	5	-5
828693	17200	7800	5401677.9	397675.4	-5	-5	8	-5	14	-5	35	-5	-5
828694	17200	7850	5401659.1	397721.7	8	12	16	-5	11	-5	21	-5	-5
828695	17200	7900	5401640.2	397768.0	10	6	11	-5	22	5	33	-5	-5
828696	17200	7950	5401621.4	397814.4	7	5	14	-5	29	7	36	-5	-5
828697	17200	8000	5401602.6	397860.7	21	12	12	-5	19	13	35	-5	-5
828698	17200	8050	5401583.7	397907.0	-5	5	5	-5	5	-5	53	-5	-5
828699	17200	8100	5401564.9	397953.3	-5	10	7	-5	-5	-5	32	-5	-5
828700	17200	8150	5401546.1	397999.6	-5	9	11	-5	9	-5	124	-5	-5
828701	17200	8200	5401527.3	398046.0	-5	9	9	-5	-5	-5	278	5	-5
828702	17200	8250	5401508.4	398092.3	-5	5	7	-5	-5	-5	176	-5	-5
828703	17200	8295	5401491.5	398134.0	-5	13	14	-5	-5	-5	263	5	-5
828704	17200	8350	5401470.8	398184.9	40	15	14	-5	-5	-5	435	7	-5
828705	17200	8400	5401451.9	398231.2	16	13	11	-5	23	-5	227	10	-5
828706	17200	8450	5401433.1	398277.6	31	7	21	-5	55	9	139	6	-5
828707	17200	8500	5401414.3	398323.9	26	16	28	-5	61	13	100	7	-5
828708	17200	8550	5401395.4	398370.2	52	34	41	-5	78	12	98	11	-5
828709	17200	8600	5401376.6	398416.5	40	13	58	-5	98	18	107	9	-5
828710	17200	8650	5401357.8	398462.8	51	9	80	-5	142	28	117	8	-5
828711	17200	8690	5401342.7	398499.9	63	28	163	-5	158	35	216	18	-5
828712	17200	8750	5401320.1	398555.5	57	12	79	-5	153	33	89	11	-5
828713	17200	8800	5401301.3	398601.8	56	-5	80	-5	216	33	66	9	-5
828715	17200	8850	5401282.5	398648.1	73	8	75	-5	251	62	107	9	-5
828716	17200	8900	5401263.6	398694.4	70	12	110	-5	224	69	121	10	-5
828717	17200	8950	5401244.8	398740.7	87	-5	172	-5	300	67	101	11	-5

309170

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828718	17200	9000	5401226.0	398787.1	66	5	112	-5	191	56	122	7	-5
828719	17200	9050	5401207.1	398833.4	78	9	121	-5	210	65	107	16	-5
828720	17200	9100	5401188.3	398879.7	75	6	120	-5	235	72	67	11	-5
828723	17400	6950	5402183.3	396963.3	24	24	39	-5	67	23	119	5	-5
828724	17400	7000	5402164.4	397009.6	34	69	84	-5	83	29	172	15	-5
828725	17400	7050	5402145.6	397055.9	23	75	39	-5	59	20	173	9	-5
828726	17400	7100	5402126.8	397102.3	16	65	18	-5	14	11	184	6	-5
828727	17400	7150	5402108.0	397148.6	15	27	8	-5	11	11	103	-5	-5
828728	17400	7200	5402089.1	397194.9	46	8	76	-5	144	32	81	14	-5
828729	17400	7250	5402070.3	397241.2	39	15	51	-5	84	26	73	11	-5
828730	17400	7300	5402051.5	397287.5	15	16	13	-5	25	17	49	5	-5
828731	17400	7350	5402032.6	397333.9	12	10	8	-5	14	13	34	-5	-5
828732	17400	7400	5402013.8	397380.2	10	14	10	-5	15	11	27	-5	-5
828733	17400	7450	5401995.0	397426.5	15	6	37	-5	48	50	63	10	-5
828734	17400	7500	5401976.1	397472.8	9	20	23	-5	17	11	76	8	-5
828735	17400	7550	5401957.3	397519.1	12	9	16	-5	20	9	127	-5	-5
828736	17400	7600	5401938.5	397565.4	47	18	57	-5	116	22	70	10	-5
828737	17400	7650	5401919.7	397611.8	30	11	33	-5	69	20	59	9	-5
828738	17400	7700	5401900.8	397658.1	13	9	17	-5	21	9	120	7	-5
828739	17400	7750	5401882.0	397704.4	24	15	26	-5	66	13	129	9	-5
828740	17400	7800	5401863.2	397750.7	10	9	21	-5	13	10	62	-5	-5
828742	17400	7850	5401844.3	397797.0	24	9	25	-5	137	18	91	7	-5
828743	17400	7900	5401825.5	397843.4	23	15	32	-5	96	15	78	5	-5
828744	17400	7950	5401806.7	397889.7	9	11	8	-5	15	10	37	-5	-5
828745	17400	8000	5401787.8	397936.0	20	29	32	-5	60	15	78	10	-5
828746	17400	8050	5401769.0	397982.3	41	5	101	-5	129	36	81	13	-5
828747	17400	8100	5401750.2	398028.6	51	15	69	-5	105	22	84	9	-5
828748	17400	8150	5401731.4	398075.0	15	12	19	-5	28	14	81	-5	-5
828749	17400	8200	5401712.5	398121.3	7	5	24	-5	10	5	116	5	-5
828750	17400	8250	5401693.7	398167.6	6	6	21	-5	7	-5	28	-5	-5
828751	17400	8300	5401674.9	398213.9	-5	26	21	-5	-5	-5	15	-5	-5
828752	17400	8350	5401656.0	398260.2	-5	5	24	-5	5	-5	13	-5	-5
828753	17400	8400	5401637.2	398306.6	-5	7	5	-5	-5	-5	15	-5	-5
828754	17400	8450	5401618.4	398352.9	-5	12	11	-5	10	-5	94	7	-5
828755	17400	8500	5401599.5	398399.2	-5	5	-5	-5	-5	-5	13	-5	-5
828756	17400	8550	5401580.7	398445.5	9	13	24	-5	6	-5	120	6	-5
828757	17400	8600	5401561.9	398491.8	5	13	18	-5	7	5	55	-5	-5
828758	17400	8650	5401543.1	398538.1	11	22	18	-5	26	14	77	-5	-5
828759	17400	8700	5401524.2	398584.5	48	16	75	-5	119	20	89	11	-5
828760	17400	8750	5401505.4	398630.8	36	10	93	-5	161	32	112		-5
828763	17400	8800	5401486.6	398677.1	37	15	84	-5	168	26	86	16	-5

309171

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828764	17400	8850	5401467.7	398723.4	40	20	97	-5	201	31	128	9	-5
828765	17400	8900	5401448.9	398769.7	81	-5	215	-5	398	146	214	12	-5
828766	17400	8950	5401430.1	398816.1	105	-5	224	-5	421	328	247	9	-5
828767	17400	9000	5401411.3	398862.4	70	9	97	-5	224	49	80	16	-5
828222	17600	7500	5402162.9	397546.7	6	25	19	-5	15	-5	174	14	-5
828223	17600	7550	5402144.0	397593.0	13	26	42	13	43	76	1550	45	-5
828224	17600	7600	5402125.2	397639.3	6	22	27	5	20	30	267	19	-5
828225	17600	7650	5402106.4	397685.7	21	30	54	-5	64	23	372	20	-5
828226	17600	7700	5402087.6	397732.0	17	9	35	-5	53	5	133	10	-5
828227	17600	7750	5402068.7	397778.3	28	7	77	-5	105	17	130	13	-5
828228	17600	7800	5402049.9	397824.6	37	5	80	-5	186	15	229	12	-5
828229	17600	7840	5402034.9	397861.7	48	5	93	-5	162	16	203	12	-5
828230	17600	7900	5402012.3	397917.3	32	7	54	-5	129	5	88	14	-5
828231	17600	7950	5401993.4	397963.6	28	23	48	-5	92	-5	75	17	-5
827441	17600	8000	5401974.6	398009.9	8	5	23	-5	19	-5	38	-5	-5
827442	17600	8050	5401955.8	398056.2	19	5	28	-5	19	-5	32	-5	-5
827443	17600	8100	5401937.0	398102.5	9	-5	18	-5	13	-5	25	-5	-5
827444	17600	8150	5401918.2	398148.9	-5	-5	6	-5	-5	-5	15	-5	-5
827445	17600	8200	5401899.3	398195.2	7	5	9	-5	9	-5	16	-5	-5
827446	17600	8250	5401880.5	398241.5	15	9	13	-5	23	-5	23	-5	-5
827447	17600	8300	5401861.7	398287.8	25	27	19	-5	30	-5	36	-5	-5
827448	17600	8350	5401842.9	398334.1	20	22	29	-5	42	-5	53	-5	-5
827449	17600	8400	5401824.0	398380.5	19	24	42	-5	65	-5	69	-5	-5
827450	17600	8450	5401805.2	398426.8	39	6	54	-5	124	-5	58	-5	-5
827451	17600	8500	5401786.4	398473.1	48	12	38	-5	112	-5	45	-5	-5
827452	17600	8550	5401767.6	398519.4	77	-5	71	-5	173	13	47	-5	-5
827453	17600	8600	5401748.7	398565.7	65	7	89	-5	165	17	57	-5	-5
827454	17600	8650	5401729.9	398612.1	58	-5	86	-5	162	60	29	-5	-5
827455	17600	8700	5401711.1	398658.4	48	7	90	-5	132	24	53	-5	-5
827456	17600	8750	5401692.3	398704.7	53	-5	93	-5	166	20	70	-5	-5
827457	17600	8800	5401673.4	398751.0	35	-5	95	-5	137	42	90	-5	-5
827458	17600	8850	5401654.6	398797.4	49	-5	90	-5	179	30	82	-5	-5
827459	17600	8900	5401635.8	398843.7	42	6	106	-5	170	34	67	-5	-5
827462	17600	8965	5401611.3	398903.9	42	7	73	-5	132	16	85	-5	-5
827463	17600	9000	5401598.1	398936.3	54	6	76	-5	146	7	66	-5	-5
827464	17600	9050	5401579.3	398982.6	25	8	51	-5	120	10	84	-5	-5
827465	17600	9100	5401560.5	399029.0	50	-5	101	-5	197	32	79	-5	-5
827466	17600	9150	5401541.7	399075.3	47	10	94	-5	160	27	86	-5	-5
827467	17600	9200	5401522.8	399121.6	64	7	93	-5	209	42	94	-5	-5
827469	17600	9250	5401504.0	399167.9	67	6	111	-5	214	47	100	10	-5
827470	17600	9300	5401485.2	399214.2	64	5	103	-5	148	28	178	6	-5

3091172

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827471	17600	9350	5401466.4	399260.6	60	-5	76	-5	199	37	46	6	-5
827472	17600	9400	5401447.5	399306.9	73	5	94	-5	163	34	66	7	-5
827473	17600	9450	5401428.7	399353.2	59	8	92	-5	191	31	74	7	-5
827474	17600	9500	5401409.9	399399.5	71	11	135	-5	160	38	93	7	-5
827475	17600	9550	5401391.1	399445.8	67	6	99	-5	169	29	65	7	-5
827476	17600	9600	5401372.2	399492.2	51	5	112	-5	161	29	92	5	-5
827477	17600	9650	5401353.4	399538.5	64	-5	128	-5	178	37	97	7	-5
827478	17600	9700	5401334.6	399584.8	51	8	126	-5	181	42	108	7	-5
827479	17600	9750	5401315.8	399631.1	46	19	97	-5	140	29	81	8	-5
827480	17600	9800	5401296.9	399677.5	63	6	100	-5	190	32	59	7	-5
827481	17600	9850	5401278.1	399723.8	59	-5	141	-5	228	56	71	7	-5
827482	17600	9900	5401259.3	399770.1	69	6	170	-5	254	60	73	5	-5
827483	17600	9950	5401240.5	399816.4	35	6	147	-5	163	95	92	6	-5
827484	17600	10000	5401221.6	399862.7	58	-5	106	-5	200	37	49	7	-5
827485	17600	10050	5401202.8	399909.1	56	-5	104	-5	188	37	59	7	-5
827486	17600	10100	5401184.0	399955.4	64	-5	102	-5	211	31	55	6	-5
827513	18000	7500	5402533.4	397697.3	9	10	20	-5	17	-5	128	-5	-5
827514	18000	7550	5402514.6	397743.6	10	6	21	-5	20	-5	102	-5	-5
827515	18000	7600	5402495.8	397789.9	7	9	19	-5	11	-5	223	5	-5
827516	18000	7650	5402477.0	397836.2	51	9	102	-5	174	17	73	9	-5
827517	18000	7700	5402458.1	397882.6	58	7	84	-5	228	15	151	8	-5
827518	18000	7750	5402439.3	397928.9	50	10	87	-5	149	14	120	7	-5
827519	18000	7800	5402420.5	397975.2	47	8	87	-5	110	19	137	9	-5
827520	18000	7850	5402401.7	398021.5	51	9	87	-5	140	17	109	9	-5
827521	18000	7900	5402382.8	398067.9	51	-5	96	-5	176	19	111	5	-5
827522	18000	7950	5402364.0	398114.2	42	-5	69	-5	134	17	92	9	-5
827523	18000	7980	5402352.7	398142.0	48	-5	65	-5	164	9	89	6	-5
827524	18000	8050	5402326.4	398206.8	50	-5	107	-5	127	17	119	6	-5
827525	18000	8100	5402307.5	398253.1	63	-5	97	-5	149	18	102	7	-5
827526	18000	8150	5402288.7	398299.5	50	11	89	-5	128	19	108	7	-5
827527	18000	8200	5402269.9	398345.8	47	10	102	-5	126	26	95	7	-5
827528	18000	8250	5402251.1	398392.1	45	6	93	-5	127	19	79	8	-5
827529	18000	8300	5402232.2	398438.4	45	-5	83	-5	121	14	74	6	-5
827530	18000	8350	5402213.4	398484.7	57	5	87	-5	153	20	78	8	-5
827531	18000	8400	5402194.6	398531.1	70	7	90	-5	210	109	86	8	-5
827532	18000	8450	5402175.8	398577.4	76	-5	106	-5	219	79	151	9	-5
827533	18000	8500	5402156.9	398623.7	55	7	94	-5	173	65	110	7	-5
827535	18000	8550	5402138.1	398670.0	47	-5	103	-5	179	48	81	7	-5
827536	18000	8600	5402119.3	398716.3	44	7	105	-5	136	44	75	5	-5
827537	18000	8650	5402100.5	398762.7	54	-5	110	-5	181	36	56	8	-5
827538	18000	8700	5402081.6	398809.0	46	7	95	-5	164	38	98	7	-5

3091173

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827539	18000	8750	5402062.8	398855.3	48	5	128	-5	198	35	78	8	-5
827540	18000	8800	5402044.0	398901.6	53	6	112	-5	214	50	67	5	-5
827541	18000	8850	5402025.2	398948.0	61	-5	110	-5	185	25	75	7	-5
827542	18000	8900	5402006.3	398994.3	53	11	88	-5	169	32	61	7	-5
827543	18000	8950	5401987.5	399040.6	44	-5	116	-5	218	68	153	6	-5
827544	18000	9000	5401968.7	399086.9	57	9	122	-5	189	49	89	8	-5
827545	18000	9050	5401949.9	399133.2	57	-5	75	-5	161	26	55	6	-5
827546	18000	9100	5401931.0	399179.6	38	10	79	-5	104	16	78	8	-5
827547	18000	9150	5401912.2	399225.9	43	6	108	-5	162	39	63	7	-5
827548	18000	9200	5401893.4	399272.2	47	5	128	-5	162	44	80	5	-5
827549	18000	9250	5401874.6	399318.5	54	6	106	-5	150	16	65	6	-5
827550	18000	9300	5401855.7	399364.8	56	-5	146	-5	160	44	84	-5	-5
827551	18000	9350	5401836.9	399411.2	66	-5	138	-5	197	51	84	5	-5
827552	18000	9400	5401818.1	399457.5	58	8	105	-5	143	38	64	7	-5
827555	18000	9450	5401799.3	399503.8	56	6	128	-5	170	44	69	6	-5
827556	18000	9500	5401780.5	399550.1	46	10	114	-5	139	31	89	6	-5
827557	18000	9550	5401761.6	399596.4	47	-5	89	-5	192	27	61	-5	-5
827558	18000	9600	5401742.8	399642.8	66	6	103	-5	193	22	50	5	-5
827559	18000	9650	5401724.0	399689.1	58	7	104	-5	200	36	70	5	-5
827560	18000	9700	5401705.2	399735.4	51	-5	71	-5	129	12	48	6	-5
827561	18000	9750	5401686.3	399781.7	51	14	122	-5	178	51	70	7	-5
827562	18000	9800	5401667.5	399828.0	41	10	93	-5	122	32	84	7	-5
827563	18000	9850	5401648.7	399874.4	62	5	110	-5	198	31	73	-5	-5
827564	18000	9900	5401629.9	399920.7	62	-5	105	-5	206	29	69	6	-5
827565	18000	9950	5401611.0	399967.0	47	5	82	-5	167	10	60	5	-5
827668	18500	7500	5402996.6	397885.5	63	-5	79	-5	172	31	76	-5	-5
827669	18500	7550	5402977.8	397931.9	61	-5	78	-5	168	25	59	-5	-5
827670	18500	7600	5402959.0	397978.2	62	-5	105	-5	192	31	65	6	-5
827671	18500	7650	5402940.2	398024.5	58	7	89	-5	170	29	72	7	-5
827672	18500	7700	5402921.3	398070.8	69	-5	98	-5	202	51	119	6	-5
827673	18500	7750	5402902.5	398117.1	75	-5	105	-5	200	55	88	-5	-5
827674	18500	7800	5402883.7	398163.5	63	-5	86	-5	175	30	66	5	-5
827675	18500	7850	5402864.9	398209.8	58	7	100	-5	164	25	60	6	-5
827676	18500	7900	5402846.1	398256.1	53	-5	85	-5	155	35	50	-5	-5
827677	18500	7950	5402827.2	398302.4	70	-5	79	-5	134	17	64	7	-5
827678	18500	8000	5402808.4	398348.7	50	-5	88	-5	113	25	86	-5	-5
827681	18500	8050	5402789.6	398395.1	54	-5	119	-5	190	33	95	6	-5
827682	18500	8085	5402776.4	398427.5	55	-5	96	-5	158	25	80	7	-5
827683	18500	8150	5402751.9	398487.7	54	-5	99	-5	136	24	66	5	-5
827684	18500	8200	5402733.1	398534.0	54	-5	107	-5	156	31	90	6	-5
827685	18500	8250	5402714.3	398580.3	60	-5	105	-5	182	35	84	5	-5

309174

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827686	18500	8300	5402695.5	398626.7	47	-5	100	-5	152	36	98	7	-5
827687	18500	8350	5402676.6	398673.0	55	-5	100	-5	169	30	71	-5	-5
827688	18500	8400	5402657.8	398719.3	58	5	133	-5	175	37	76	5	-5
827689	18500	8450	5402639.0	398765.6	70	-5	112	-5	206	37	86	6	-5
827690	18500	8500	5402620.2	398812.0	56	-5	128	-5	236	41	89	-5	-5
827574	18600	8500	5402712.8	398849.6	60	-5	103	-5	263	83	172	5	-5
827575	18600	8550	5402694.0	398895.9	43	-5	97	-5	141	31	60	5	-5
827576	18600	8600	5402675.1	398942.2	50	6	123	-5	213	46	77	8	-5
827577	18600	8650	5402656.3	398988.6	61	5	110	-5	203	28	65	8	-5
827578	18600	8700	5402637.5	399034.9	55	-5	91	-5	179	21	65	7	-5
827579	18600	8750	5402618.7	399081.2	53	-5	98	-5	185	36	81	6	-5
827580	18600	8800	5402599.8	399127.5	46	9	70	-5	159	7	49	-5	-5
827581	18600	8850	5402581.0	399173.8	38	6	76	-5	130	10	80	5	-5
827582	18600	8900	5402562.2	399220.2	36	-5	117	-5	167	37	105	6	-5
827583	18600	8950	5402543.4	399266.5	37	5	89	-5	167	17	108	7	-5
827584	18600	9000	5402524.5	399312.8	47	-5	82	-5	143	11	96	-5	-5
827585	18600	9050	5402505.7	399359.1	43	-5	71	-5	110	32	74	-5	-5
827586	18600	9100	5402486.9	399405.5	24	15	57	-5	91	7	93	5	-5
827587	18600	9150	5402468.1	399451.8	28	12	54	-5	53	9	71	-5	-5
827588	18600	9200	5402449.3	399498.1	35	7	66	-5	76	11	52	-5	-5
827589	18600	9250	5402430.4	399544.4	46	7	94	-5	105	24	69	-5	-5
827590	18600	9300	5402411.6	399590.7	45	-5	86	-5	115	25	50	-5	-5
827591	18600	9350	5402392.8	399637.1	41	5	76	-5	94	35	67	6	-5
827592	18600	9400	5402374.0	399683.4	52	-5	71	-5	109	28	39	-5	-5
827593	18600	9450	5402355.1	399729.7	56	-5	85	-5	112	29	55	-5	-5
827594	18600	9500	5402336.3	399776.0	59	-5	91	-5	115	61	68	-5	-5
827597	18600	9550	5402317.5	399822.3	54	-5	75	-5	118	26	54	-5	-5
827598	18600	9600	5402298.7	399868.7	55	6	79	-5	110	23	51	-5	-5
827599	18600	9650	5402279.8	399915.0	56	-5	76	-5	125	13	73	-5	-5
827600	18600	9700	5402261.0	399961.3	52	7	115	-5	107	26	62	-5	-5
827613	19000	7500	5403459.9	398073.8	62	-5	122	-5	149	40	143	-5	-5
827614	19000	7550	5403441.0	398120.1	56	-5	127	-5	158	52	94	-5	-5
827616	19000	7600	5403422.2	398166.4	41	5	116	-5	135	32	98	-5	-5
827617	19000	7650	5403403.4	398212.7	51	-5	106	-5	155	36	85	6	-5
827618	19000	7700	5403384.6	398259.1	50	-5	139	-5	181	60	169	-5	-5
827619	19000	7750	5403365.7	398305.4	59	-5	115	-5	185	49	106	-5	-5
827620	19000	7800	5403346.9	398351.7	38	-5	104	-5	138	14	96	-5	-5
827621	19000	7850	5403328.1	398398.0	52	-5	104	-5	177	33	63	-5	-5
827622	19000	7900	5403309.3	398444.3	40	12	89	-5	140	24	64	5	-5
827623	19000	7950	5403290.4	398490.7	47	-5	108	-5	151	14	64	-5	-5
827624	19000	8000	5403271.6	398537.0	37	10	76	-5	131	7	50	-5	-5

30917.5

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827625	19000	8050	5403252.8	398583.3	51	-5	106	-5	206	22	45	-5	-5
827626	19000	8100	5403234.0	398629.6	39	5	104	-5	128	26	63	-5	-5
827627	19000	8150	5403215.1	398676.0	60	-5	141	-5	222	42	94	-5	-5
827628	19000	8200	5403196.3	398722.3	40	-5	117	-5	117	32	116	-5	-5
827629	19000	8250	5403177.5	398768.6	49	-5	115	-5	177	49	69	-5	-5
827630	19000	8300	5403158.7	398814.9	59	-5	95	-5	194	21	50	-5	-5
827631	19000	8350	5403139.8	398861.2	51	-5	115	-5	172	46	61	-5	-5
827632	19000	8400	5403121.0	398907.6	52	6	105	-5	162	44	70	-5	-5
827633	19000	8450	5403102.2	398953.9	50	6	81	-5	152	14	70	-5	-5
827634	19000	8500	5403083.4	399000.2	58	-5	101	-5	194	36	73	-5	-5
827635	19000	8550	5403064.5	399046.5	59	-5	95	-5	207	24	57	-5	-5
827636	19000	8600	5403045.7	399092.8	53	-5	106	-5	206	20	73	-5	-5
827637	19000	8650	5403026.9	399139.2	53	-5	106	-5	203	23	70	-5	-5
827640	19000	8700	5403008.1	399185.5	49	-5	128	-5	212	34	123	-5	-5
827641	19000	8750	5402989.2	399231.8	38	11	116	-5	171	20	72	-5	-5
827642	19000	8800	5402970.4	399278.1	50	-5	149	-5	217	35	66	-5	-5
827643	19000	8850	5402951.6	399324.4	44	7	117	-5	159	16	58	-5	-5
827644	19000	8900	5402932.8	399370.8	44	-5	123	-5	150	26	80	-5	-5
827645	19000	8950	5402913.9	399417.1	22	-5	136	-5	117	32	239	-5	-5
827646	19000	9000	5402895.1	399463.4	33	8	61	-5	106	-5	52	-5	-5
827647	19000	9050	5402876.3	399509.7	37	-5	104	-5	87	22	75	-5	-5
827648	19000	9100	5402857.5	399556.0	43	-5	98	-5	90	34	59	-5	-5
827649	19000	9150	5402838.6	399602.4	39	-5	118	-5	113	38	82	-5	-5
827650	19000	9200	5402819.8	399648.7	42	5	134	-5	114	54	94	-5	40
827651	19000	9250	5402801.0	399695.0	35	5	109	-5	85	39	78	-5	-5
827652	19000	9300	5402782.2	399741.3	37	-5	120	-5	98	42	72	-5	-5
827653	19000	9350	5402763.3	399787.7	35	-5	99	-5	96	24	56	-5	-5
827654	19000	9400	5402744.5	399834.0	52	-5	157	-5	129	34	135	-5	-5
827655	19000	9450	5402725.7	399880.3	41	-5	141	-5	107	20	53	-5	-5
827656	19000	9500	5402706.9	399926.6	50	-5	103	-5	101	25	63	-5	-5
827657	19000	9550	5402688.0	399972.9	43	-5	95	-5	114	25	61	-5	-5
827713	19400	7050	5403999.8	397807.5	61	-5	92	-5	177	17	83	5	-5
827714	19400	7100	5403981.0	397853.8	58	-5	102	-5	181	36	106	5	-5
827715	19400	7150	5403962.2	397900.1	52	-5	111	-5	186	53	109	-5	-5
827716	19400	7200	5403943.4	397946.5	54	6	82	-5	150	38	102	8	-5
827717	19400	7250	5403924.5	397992.8	68	-5	96	-5	173	40	135	-5	-5
827718	19400	7300	5403905.7	398039.1	76	-5	115	-5	191	50	120	-5	-5
827719	19400	7350	5403886.9	398085.4	78	-5	88	-5	228	46	124	6	-5
827720	19400	7400	5403868.1	398131.7	50	12	78	-5	148	44	111	5	-5
827721	19400	7450	5403849.3	398178.1	48	-5	85	-5	167	30	93	5	-5
827722	19400	7500	5403830.4	398224.4	45	-5	89	-5	146	49	86	-5	-5

309176

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
827723	19400	7550	5403811.6	398270.7	42	-5	97	-5	128	24	91	-5	-5
827724	19400	7600	5403792.8	398317.0	39	-5	90	-5	119	22	85	-5	-5
827725	19400	7650	5403774.0	398363.3	44	-5	113	-5	140	44	112	5	-5
827726	19400	7700	5403755.1	398409.7	41	-5	135	-5	140	36	151	6	-5
827727	19400	7750	5403736.3	398456.0	43	-5	123	-5	137	40	159	-5	-5
827728	19400	7800	5403717.5	398502.3	56	-5	113	-5	176	41	214	-5	-5
827729	19400	7850	5403698.7	398548.6	47	6	117	-5	150	30	131	5	-5
827732	19400	7900	5403679.8	398594.9	46	6	96	-5	140	36	94	5	-5
827733	19400	7950	5403661.0	398641.3	52	5	113	-5	168	37	91	-5	-5
827734	19400	8000	5403642.2	398687.6	46	6	94	-5	132	27	90	-5	-5
827736	19400	8100	5403604.5	398780.2	42	-5	99	-5	103	26	137	-5	-5
827737	19400	8150	5403585.7	398826.5	43	-5	86	-5	167	11	83	5	-5
827738	19400	8200	5403566.9	398872.9	55	-5	113	-5	153	38	65	6	-5
827739	19400	8250	5403548.1	398919.2	39	-5	89	-5	135	8	65	-5	-5
827740	19400	8300	5403529.2	398965.5	45	-5	107	-5	177	17	66	-5	-5
827741	19400	8350	5403510.4	399011.8	51	-5	131	-5	222	40	89	-5	-5
827742	19400	8400	5403491.6	399058.2	43	-5	107	-5	203	35	106	5	-5
827743	19400	8450	5403472.8	399104.5	54	-5	132	-5	253	29	219	-5	-5
827745	19400	8500	5403453.9	399150.8	51	6	115	-5	180	31	160	-5	-5
827746	19400	8550	5403435.1	399197.1	50	-5	113	-5	221	39	156	5	-5
827747	19400	8600	5403416.3	399243.4	48	-5	80	-5	154	20	79	-5	-5
827748	19400	8650	5403397.5	399289.8	49	-5	109	-5	165	40	96	-5	-5
827749	19400	8700	5403378.6	399336.1	32	6	58	-5	139	7	63	6	-5
827750	19400	8750	5403359.8	399382.4	42	8	105	-5	106	33	106	-5	-5
827751	19400	8800	5403341.0	399428.7	31	9	96	-5	127	16	106	-5	-5
827753	19400	8900	5403303.3	399521.4	17	20	48	-5	88	9	80	6	-5
827754	19400	8950	5403284.5	399567.7	15	22	46	-5	76	36	79	8	-5
827755	19400	9000	5403265.7	399614.0	45	-5	146	-5	123	60	320	5	-5
827756	19400	9050	5403246.9	399660.3	33	14	76	-5	101	27	125	5	-5
827757	19400	9100	5403228.0	399706.6	21	27	53	-5	91	17	98	9	-5
827758	19400	9150	5403209.2	399753.0	22	28	53	-5	81	22	99	9	-5
827759	19400	9200	5403190.4	399799.3	16	25	74	-5	90	69	186	9	-5
827761	19400	9300	5403152.7	399891.9	27	6	94	-5	110	28	137	7	-5
827762	19400	9350	5403133.9	399938.3	32	10	61	-5	104	8	92	6	-5
827763	19400	9400	5403115.1	399984.6	31	11	54	-5	83	8	94	-5	-5
828055	20000	8550	5403991.0	399423.0	48	5	88	-5	148	10	88	10	-5
828056	20000	8600	5403972.1	399469.3	40	7	82	-5	134	8	90	9	-5
828057	20000	8650	5403953.3	399515.7	44	6	98	-5	124	24	85	10	-5
828058	20000	8700	5403934.5	399562.0	33	5	92	-5	129	50	84	9	-5
828060	20000	8750	5403915.7	399608.3	28	6	97	-5	118	20	83	10	-5
828062	20000	8850	5403878.0	399700.9	39	7	126	-5	139	23	103	9	-5

3091777

Soil Sampling Total Digest - PPM

SAMPLE#	GRIDN	GRIDE	AMGN	AMGE	Cu	Pb	Zn	Cd	Ni	Co	Ba	As	Sb
828063	20000	8900	5403859.2	399747.3	47	6	129	-5	136	53	204	10	-5
828064	20000	8950	5403840.4	399793.6	34	-5	137	-5	130	37	146	9	-5
828065	20000	9000	5403821.5	399839.9	43	-5	148	-5	187	41	128	8	-5
828066	20000	9050	5403802.7	399886.2	54	-5	157	-5	201	83	91	7	-5
828067	20000	9100	5403783.9	399932.5	49	-5	138	-5	263	41	228	12	-5
828068	20000	9150	5403765.1	399978.9	45	-5	119	-5	236	20	135	10	-5

309178

309179

APPENDIX VII

309180

Aberfoyle Resources Limited
A.C.N. 004 664 108

Exploration Division

INTERPRETATION REPORT

EM SOUNDINGS

SEISMIC AND TMI TRAVERSES

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Distribution:

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December 1996

CONTENTS

		Page No
	SUMMARY	1
1.	INTRODUCTION	2
2.	DATA SENSITIVITY	2
3.	DATA COLLECTION PROCEDURES	3
4.	DATA INTERPRETATION	4
5.	EM SOUNDINGS OVER THE SEISMIC TRAVERSES	5
6.	EM SOUNDINGS OVER THE TMI TRAVERSES	6

LIST OF FIGURES

Figure 1	EM Sounding Loops Seismic Traverse
Figure 2	EM Sounding Loops TMI Traverse
Figure 3	Soundings over deep layers theoretical models
Figure 4	Loop 1 - Loop 3 Decay curves Seismic Traverse
Figure 5	Loop 1 - Loop 2 Apparent Resistivity Seismic Traverse
Figure 6	Loop 1 - Model vs Observed data Seismic Traverse
Figure 7	Loop 4 - Loop 6 Decay curves TMI Traverse
Figure 8	Loop 6 - Model vs Observed data apparent resistivity TMI Traverse.

SUMMARY

The EM soundings over the seismic and TMI anomaly lines; have shown that a "deep" weakly conductive unit, presumably the Que River shale is influencing the data set.

At the seismic line the depth to the shale is estimated to be at about 1 kilometre, whereas over the TMI anomaly traverse the depth estimates vary from 500-1,500 meters, with the conductive unit shallowing to the west.

At both sounding traverses, ? limitations of the instrumentation and the weakly conductive nature of the deep stratigraphy, prevent a reliable and robust estimate for the thickness of this unit. It was estimated that the information in the data see sets the thickness of the unit to be somewhere between 120-1,500 meters.

309183

1. INTRODUCTION

Six Electromagnetic Sounding data sets, using 400 x 400m loops, were collected over the Seismic and TMI anomaly lines (Figures 1 and 2), in order to ascertain if a conductive shale horizon exists in the vicinity (depth wise) of a "seismic feature" and TMI anomaly, which could be interpreted as a "favourable" structure/setting for an ore deposition environment.

Presence of a nearby conductive shale unit would imply that both of these features may be near or at a favourable time horizon for the ore farming processes. In particular the testing of the TMI anomaly was to be dependent on the estimated depth to a conductive horizon (from past experiences the only candidate on the Mackintosh EL is the Que River shale unit).

The purpose of this report is to present the results and interpretation of the six EM soundings.

2. DATA SENSITIVITY

Considering that the surrounding host rocks on the Mackintosh EL are relatively resistive (approximately 1,000 ohm - m), and the Que River shales are weakly conductive (resistivities at 100-200 ohm - m), it is to be expected that a deep shale unit (eg depths of approximately 1km), will influence the electromagnetic signal by "very small" amounts in absolute terms.

Figure 3, which shows the expected differences between a sounding over a shale unit at a depth of 1 kilometre and over a section which hoes not include a shale horizon illustrates this point.

The log - log plot of the amplitude of the decay curve with time, shows that the two curves deviate from each other of about 1 multisecond, with the model which includes the shale horizon giving more and more signal in relative terms

(expressed as a ratio), however the absolute differences between the two curves is "very small", so that for example, at late times beyond 3 multiseconds differences are between 0.2-0.6 microvolts. Measurement of these differences is well within the capability of the instrumentation, providing that through prudent stacking procedures amplitudes of the decay curves at late time are determined to within ± 0.05 microvolt.

3. DATA COLLECTION PROCEDURES

To ensure the ± 0.05 microvolt accuracy in the data at "late" times was achieved, following procedures were applied to data collection and processing.

1. Initially 50-60, 2,048 stacks of the data were collected.
2. This data set would then be averaged in 10, 15, 20 and 30 lots of 2,048 stacks (eg if there were 50 stacks, then 5 average of 10 lots of stacks would be produced). Repeatability between these averages would then be analysed, and the minimum number of stacks required to produced the desired repeatability would be so determined.

Using this technique it was determined that a minimum of 30x2,048 stacks was required to achieved the ± 0.05 microvolt accuracy at late time.

Also to ensure that at "late" times the Zonge coil used to collect the data was not "erroneously" distorting the signal (ie producing a "tail" in the decay curve), Sirotem coil which is of a completely different design was also used to collect one loop of data so that the veracity of the instrumentation could be checked.

The following table which shows the comparison between the Sirotem and Zonge coil outputs, may also be used as proof that the procedures used to collect the data did achieve the desired accuracy in the measurement of the decay curve.

Time	*Zonge Coil*	*Sirotem Coil*
0.292	460	450
0.353	280	280
0.428	211.5	204
0.520	116	114
0.640	72	69.5
0.808	45	44
1.025	27.9	26.5
1.268	17.31	16.80
1.571	10.91	9.89
1.964	6.89	6.30
2.479	4.48	4.20
3.117	2.96	2.70
3.905	2.06	1.96
4.891	1.44	1.36
6.147	0.96	0.89
7.74	0.67	0.69
9.172	0.44	0.44
12.20	0.32	0.37
15.37	0.21	0.24

As is evident in the above table the differences between the readings for time greater than 3 milliseconds is less than 0.05 microvolt, which according to the theoretical prediction is the desired accuracy if we are to confidently detect a weakly conductive stratigraphy at depths of 1 kilometre and greater, within the resistive Que Hellyer volcanics environment.

4. DATA INTERPRETATION

Interpretation was essentially carried out, via an automated computer inversion technique which fits effects from horizontally layered resistivity sections the observed data.

Based on the differences between the fitted and the observed curves, estimates for the accuracy of various parametres within the resistivity section are also produced.

5 EM SOUNDINGS OVER THE SEISMIC TRAVERSE

The presence of a nearby powerline not only influenced the data collection (at least 20x 2,048 stacks were required to obtain data of sufficient accuracy), but also for the nearby loops (eg Loop 3, which is practically set on the powerline) considerable part of the sounding curve was "polluted" by the powerline acting as a conductor.

For that reason, with the Loop 3 decay curve being significantly higher than the decay data from the other two loops (Figure 4), Loop 3 data was not used to interpret the sounding section.

Loop 1 and Loop 2 data however is consistent, with the hypothesis that the data from these two soundings is substantially free from powerline effects because;

1. the two curves are identical at early times (up to 1ms), with a consistent and increasing deviation to "late" times (Figure 4). Powerline effects are expected at a very early-late times.

2. Loop 1 data, being the farthest sounding from the powerline (some 800 meters), has higher amplitudes at late time than the nearer loop 2 data; which is expected to show higher amplitudes if the sounding effects for both loops (Loop 1 and Loop 2) were considerably "polluted" by the EM effects from the powerline.

Converting the amplitude (decay curve), to an apparent resistivity sounding, further exaggerates the differences in Loop 1 and Loop 2 (Figure 5) with practically identical sounding curves up to 1ms, showing an ever increasing divergence to "late" time, with the Loop 1 sounding detecting a "conductive" feature at depth at late times (expressed in the sounding curve as decreasing apparent resistivities with time), whereas Loop 2 data identifies an increasing resistivity at depth.

Interpreting Loop 1 and Loop 2 data sets, results in locating a very moderately conductive unit at a depth of about 1,000 meters (Figure 6), with thickness of up to 1 kilometre, although this thickness estimate is not well resolved and could be as little as 500 meters to as much as 1,500 meters.

The depth to the top of the unit however is well resolved, and it is essentially defined by the time at which the sounding curve begins to roll-over or show decreasing apparent resistivities.

To completely define the nature of this conductive unit at the depths of 1 kilometre however, more sounding to the east of Loop 1 data are required.

6. EM SOUNDINGS OVER THE TMI TRAVERSE

Figure 7, which shows the decay curves at three sites, clearly demonstrates that the amplitude of the decay curve at "late" times progressively increases from the eastern to the western sounding points. The signal strengths at "late" times are consistent with the theoretical predictions (Figure 3), for a deep layer at depths in excess of 1 kilometre, and therefore it was expected that the inversion of these results would show a conductive unit at depth which is shallowing to the west.

Following table summarises the inversion of the data, with symbol R specifying the resistivity, T the thickness of the layer and B the bounds to the thickness estimate.

LAYER RESISTIVITIES AND THICKNESS ESTIMATES

Loop No	R (1)	T (1)	B (1)	R (2)	T (2)	B (2)	R (3)	T (3)	B (3)
(East) 5	100	22	14-34m	1,500	1,200m	Poorly Resolved	500	Unresolved	
(Centre) 4	70	11	4-30m	1,200	1,200m	1,200-1,500m	70	400m	120-1,500m
(West) 6	300	10m	2-20m	900	1,000m	900-1,100m	70	1,020m	550-1,500m

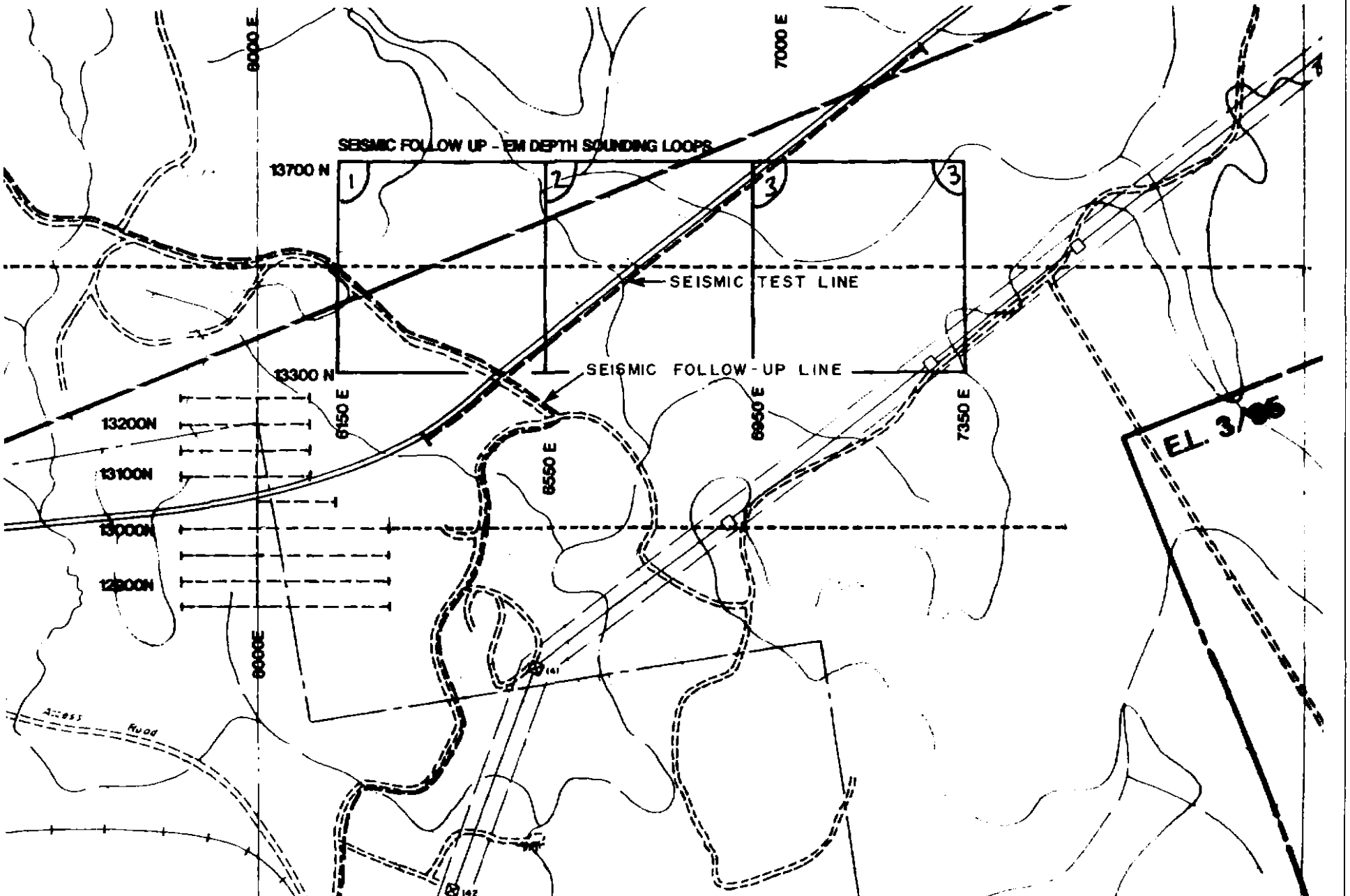
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The thickness estimate for the second layer (T(2)) which gives the depth to the weakly conductive third layer is generally well resolved with estimates from 1,000-1,500 meters also showing a shallowing of the third layer to the west (ie towards loop 6).

The thickness estimate of the third layer (T(3)), however is invariably poorly resolved (see column B(3)), with thickness estimates varying from 100-1,500 meters, whereas at the eastern most sounding location, the weakly conductive limit is not confidently resolved in the data.

The poor resolution of the third layers thickness, results from the "small" absolute differences in signal which could result in a "better" definition for the thickness of this deep weakly conductive layer, not being resolvable by the 0.05 microvolt accuracy obtained for the sounding curves.

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EM SOUNDING LOOPS
SEISMIC TRAVERSE

fig 1

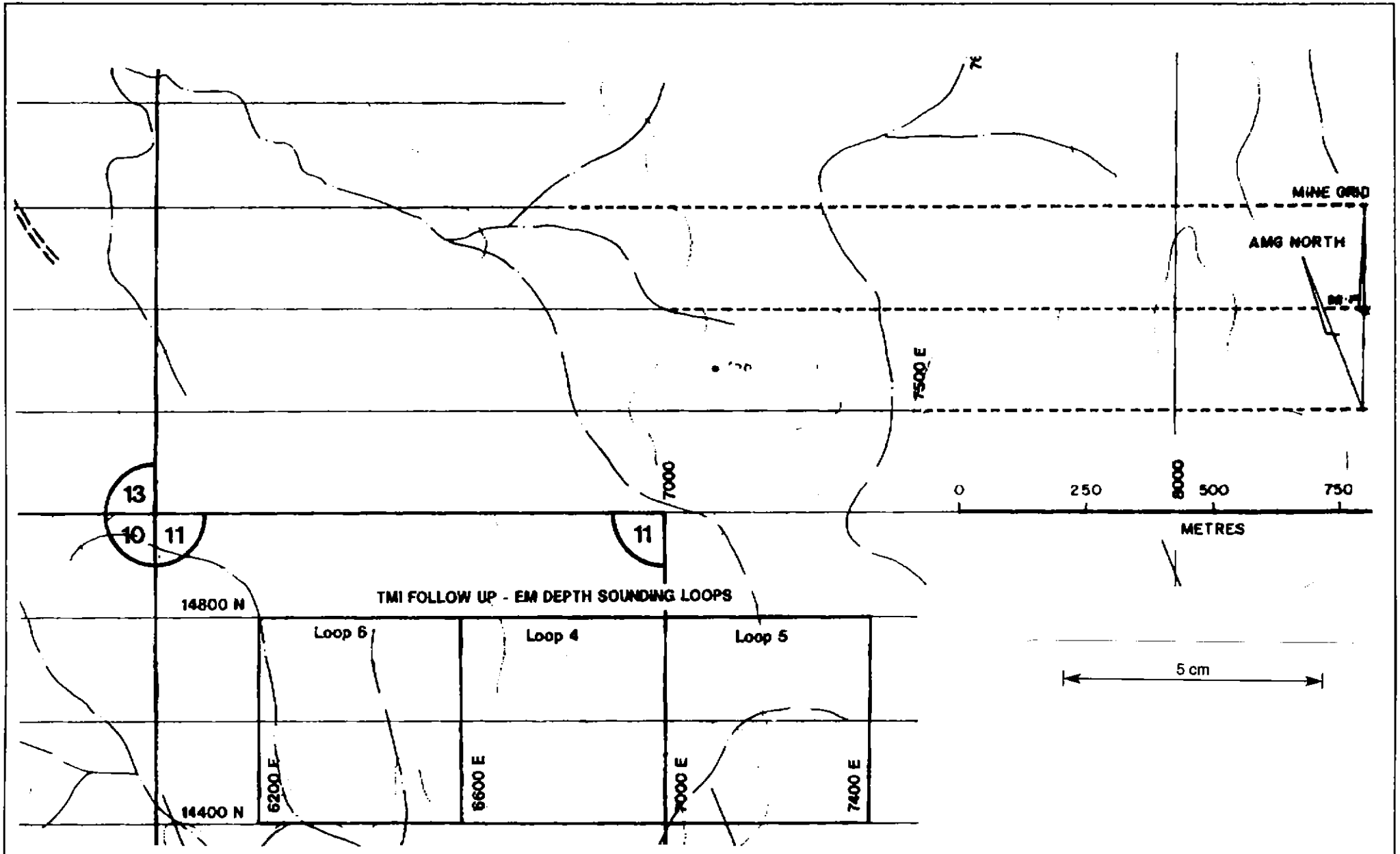


fig 2

EM SOUNDING LOOPS
TMI TRAVERSE

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SOUNDINGS OVER DEEP LAYERS
THEORETICAL MODELS

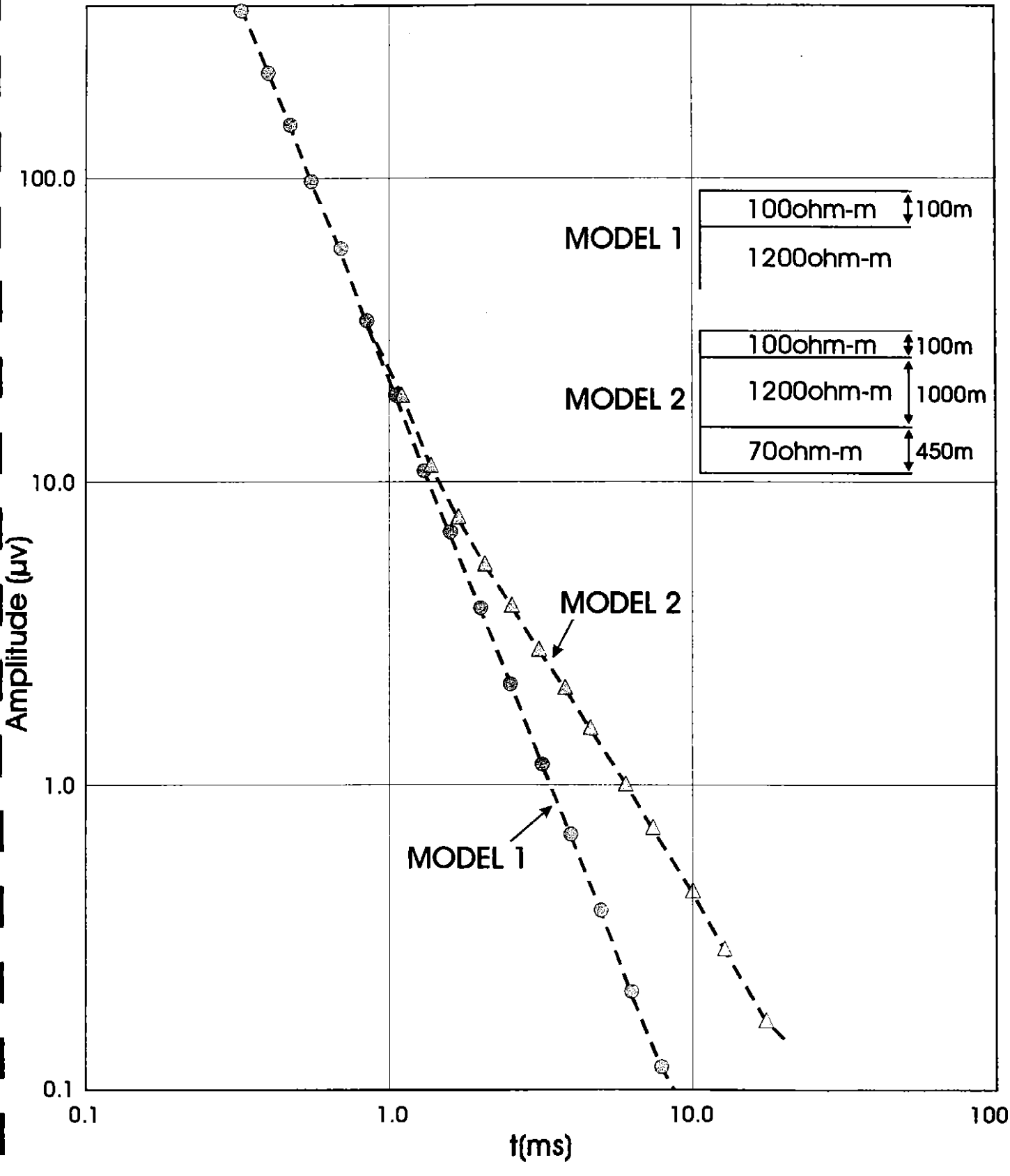
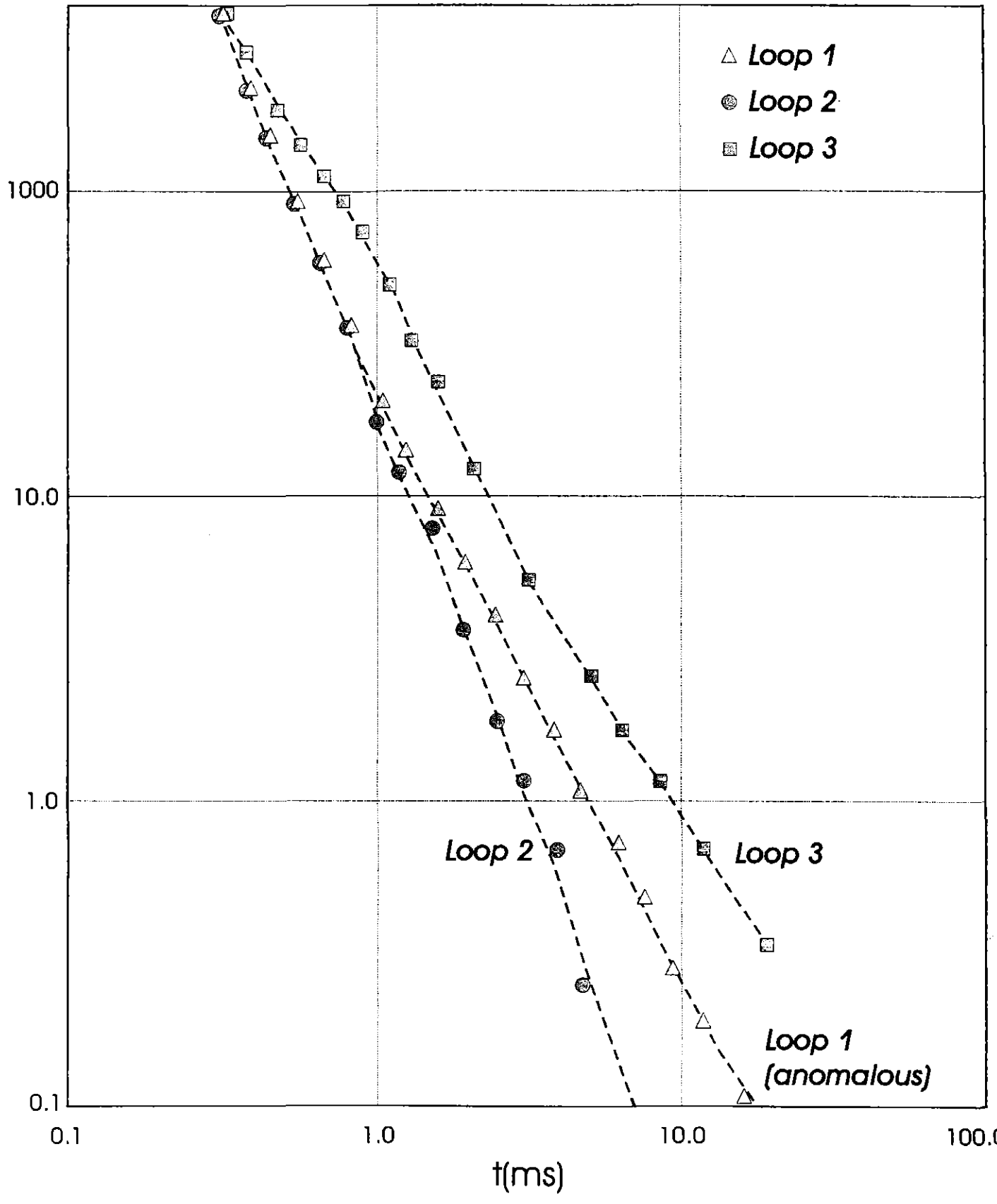


fig 3

20/12/96
Misc030p.cd

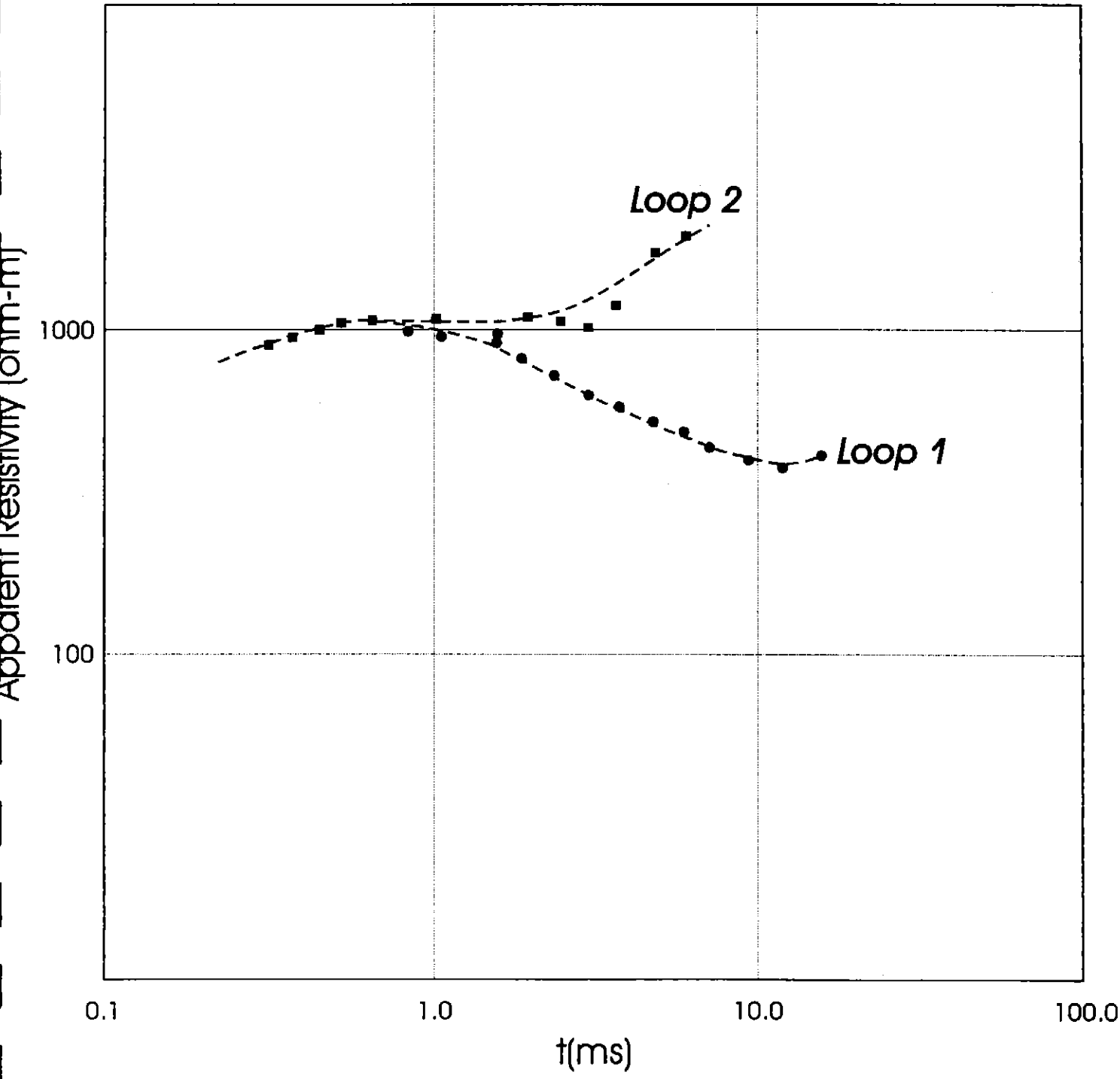
LOOP 1 - LOOP 3 DECAY CURVES
SEISMIC TRAVERSE



st3.cdr
4/12/96

fig 4

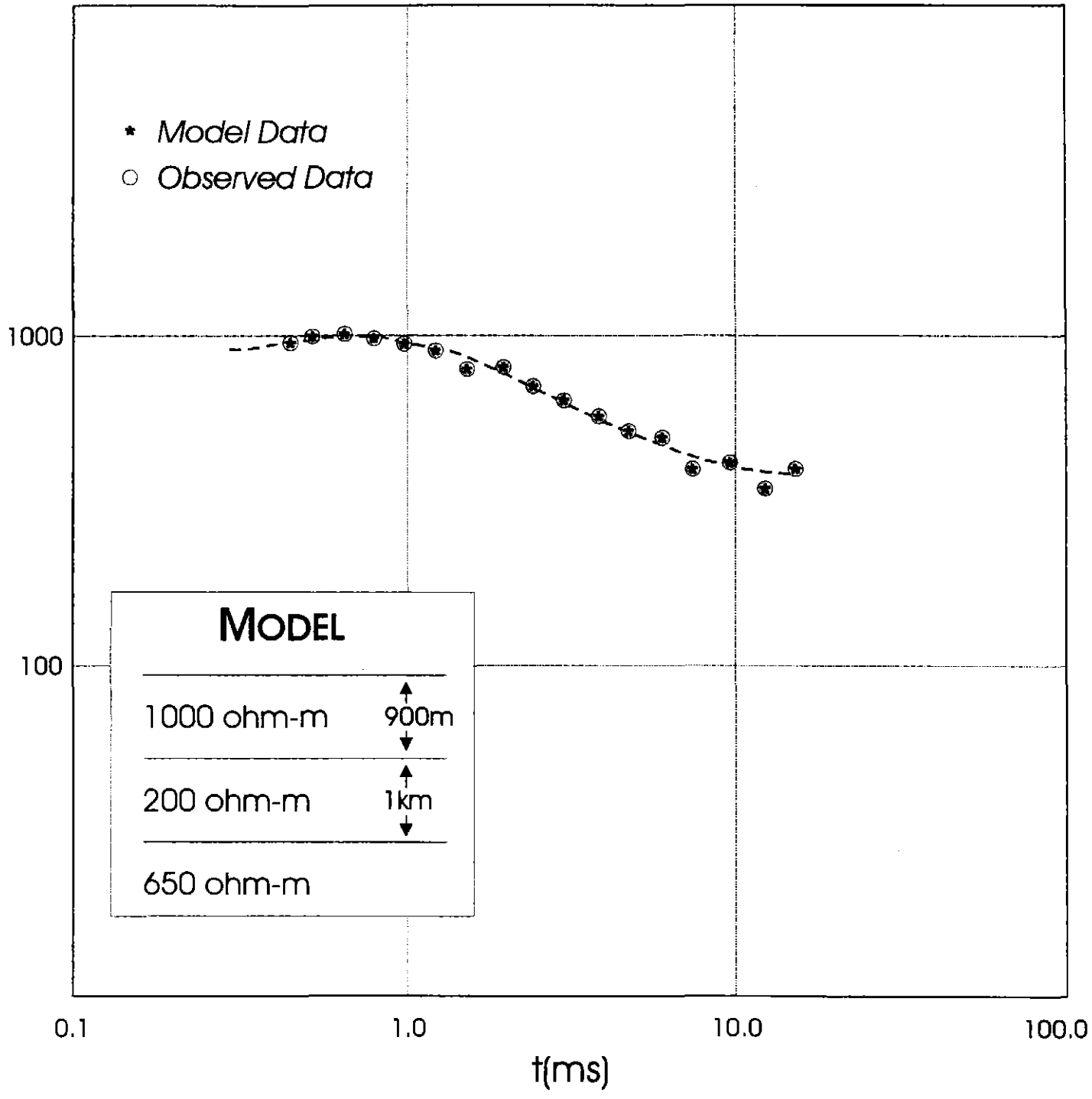
LOOP 1 - LOOP 2 APPARENT RESISTIVITY
SEISMIC TRAVERSE



st1.cdr
4/12/96

fig 5

LOOP 1 - MODEL vs OBSERVED DATA
APPARENT RESISTIVITY
SEISMIC TRAVERSE



sf2.cdr
4/12/96

fig 6

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LOOP 4 - LOOP 6 DECAY CURVES
TMI TRAVERSE

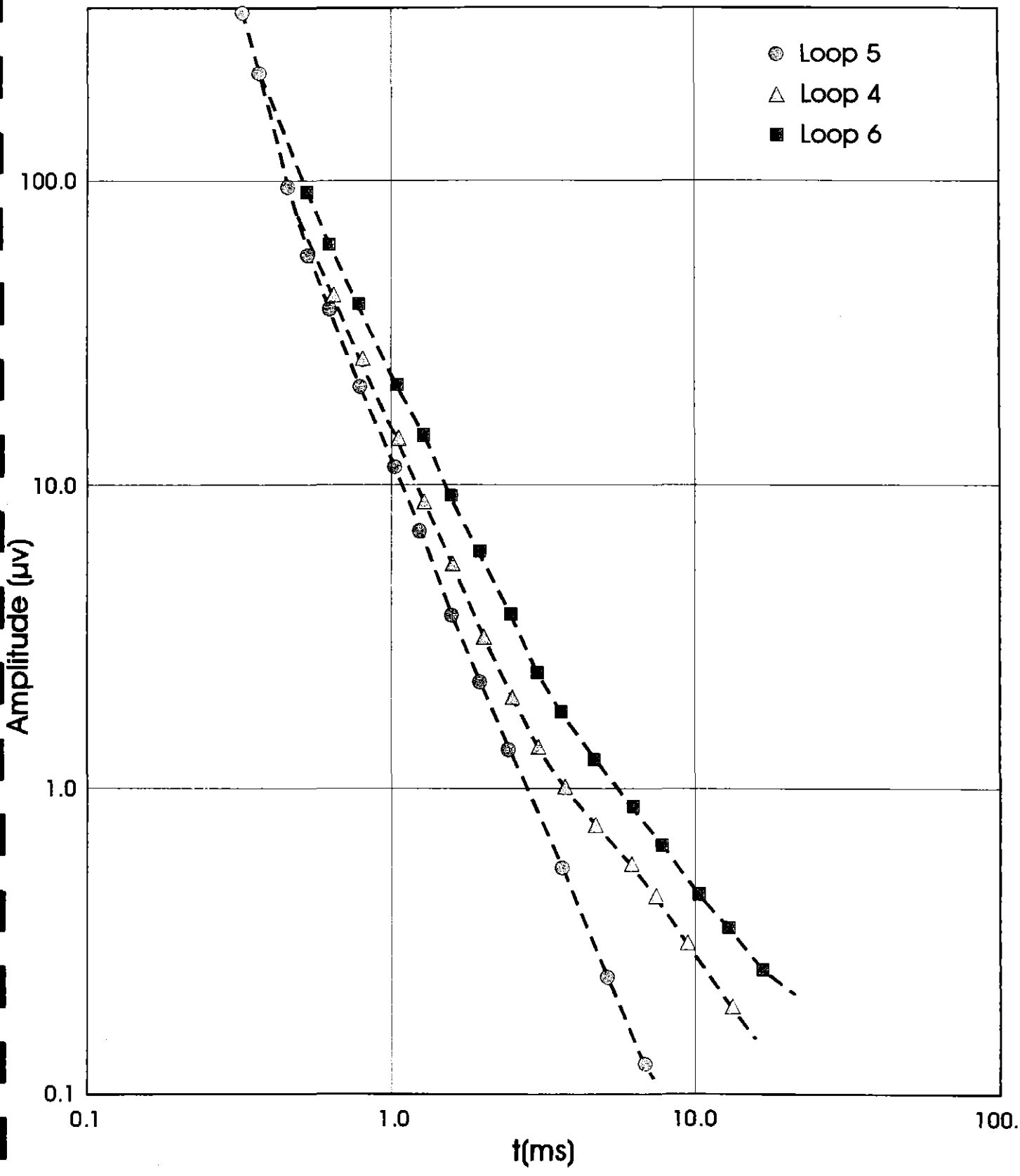


fig 7

20/12/96
Misc031p.cd

LOOP 6 - MODEL VS OBSERVED DATA
APPARENT RESISTIVITY
TMI TRAVERSE

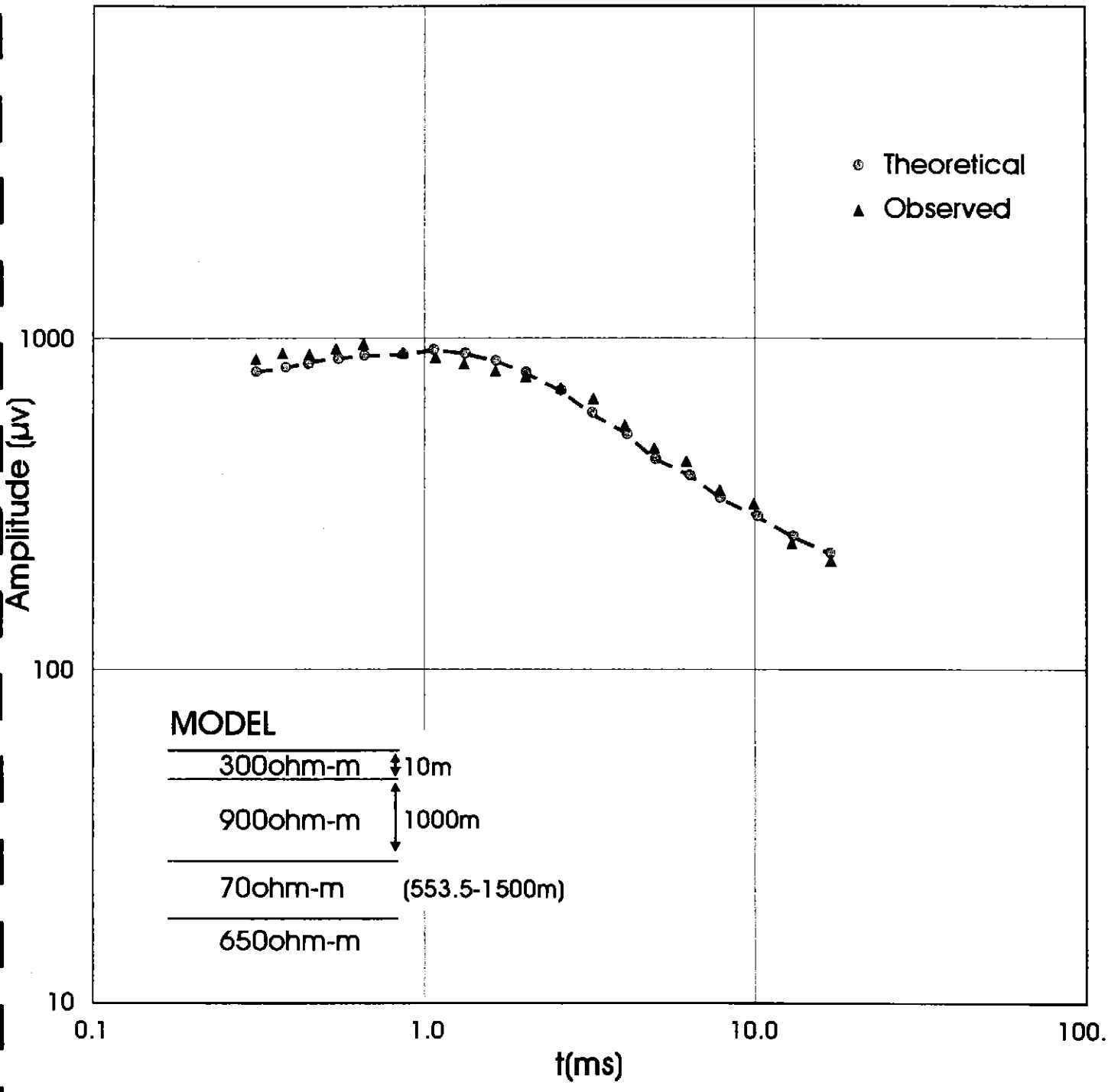


fig 8

SW — NE

97-3991

PROGRESS REPORT- FEB'96-FEB'97
EL 106/87 - ABERFOYLE -
LAKE MACKINTOSH - D.J.HICKS

ABERFOYLE RESOURCES LIMITED

Date:13/3/1997	North Western Tasmania Mackintosh District HELLYER - MT. CATTLEY INTERPRETIVE LONG SECTIONS
Author: RdeB	
Office: Burnie	
Dwg: MAC468	

Scale: 1:15000 Projection: AMG Zone 55 (AGD 66)

0 250 500 1000 metres

309198

EL106/87

CML103M/87

97-3991

PROGRESS REPORT- FEB'96-FEB'97
EL 106/87 - ABERFOYLE -
LAKE MACKINTOSH - D.J.HICKS

ABERFOYLE RESOURCES LIMITED

Date:30/1/1997	North Western Tasmania Mackintosh EL106/87 Hellyer CML103M/87 1996 Soil Sampling Locations 309199
Author: RdeB	
Office: Burnie	
Plate:MAC470	
Scale: 1:15000	Projection: AMG Zone 55 (AGD 66)

0 25 50 100
metres

5 cm

365000 mE
365500 mE
366000 mE
366500 mE
367000 mE
367500 mE
368000 mE

5399000 mN
5398500 mN
5398000 mN

CRADLE MOUNTAIN LINK ROAD
HELLYER RAIL SPUR
HELLYER MINE ACCESS ROAD
MURRAY'S ROAD
HEC TRANSMISSION LINE

13200N
13150N
13000N
12950N
12900N
12850N

5 cm

97-3991

PROGRESS REPORT- FEB'96-FEB'97
EL 106/87 - ABERFOYLE -
LAKE MACKINTOSH - D.J.HICKS

ABERFOYLE RESOURCES LIMITED

Date:31/1/1997
Author: RdeB
Office: Burnie
Drawing:MAC471

North Western Tasmania
Mackintosh EL106/87
Maverick Prospect
Wacker Sample Locations

Scale: 1:2500 | Projection: AMG Zone 55 (AGD 66)

0 25 50 100
metres

309200

EL 106/87 Mackintosh

5401000 mN

5400000 mN

5399000 mN

5398000 mN

360000 mE

361000 mE

362000 mE

363000 mE

364000 mE

365000 mE

366000 mE

367000 mE

15000N

14800N

14600N

14400N

14200N

14000N

Murray's Road

Hellyer Rail Spur

Cradle Mountain Link Road

Hellyer Mine Access Road

HEC Transmission Line

5 cm

97-3991

PROGRESS REPORT- FEB'96-FEB'97
EL 106/87 - ABERFOYLE -
LAKE MACKINTOSH - D.J.HICKS

ABERFOYLE RESOURCES LIMITED

North Western Tasmania
Mackintosh EL106/87
Murray's Road Area
Soil Sample Locations

Date:30/1/1997
Author: RdeB
Office: Burnie
Drawing:MAC472

Scale: 1:5000 | Projection: AMG Zone 55 (AGD 66)

0 75 150 300
metres

309201