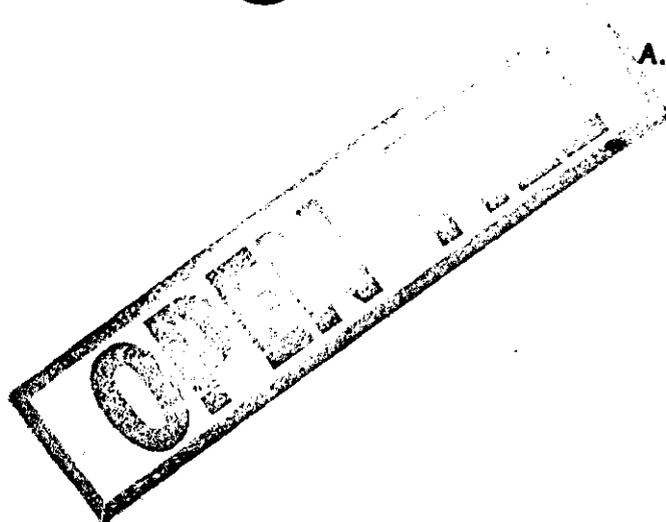


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CRA EXPLORATION PTY. LIMITED

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REPORT ON EXPLORATION
FOR THE FOURTH YEAR OF TENURE
9-11-1991 to 9-10-1992

AUTHOR: R.G. PARKINSON

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DATE: OCTOBER 1992

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EL 28/88 ZEEHAN NO. 1, TASMANIA
REPORT ON EXPLORATION FOR THE FOURTH YEAR OF
TENURE, 9/11/91 TO 9/10/92

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AUTHOR: R.G. PARKINSON

DATE: OCTOBER, 1992

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CRAE REPORT NO. 18355

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1. SUMMARY

CRA Exploration Pty. Limited (CRAE) is exploring the Zeehan area for stratiform shale-hosted Zn-Pb. The Zeehan area shows many fundamental similarities with the Lawn Hill area of NW Qld, where the Century Zn-Pb discovery is situated. Also of interest are surficial secondary Zn-Pb deposits derived from the decomposition of Ordovician Gordon Limestone. Other mineralisation styles and commodities (e.g. carbonate-hosted Zn-Pb, skarn Zn-Sn, carbonate replacement Sn, ultramafic-hosted Ni) exist.

Five targets were studied during 1992; Stonehenge, Avebury, Myrtle, Pyramid and Trial Harbour.

Geochemical testing of IP targets near the old Sunshine workings at Stonehenge indicates significant potential for stratiform shale-hosted Zn-Pb within the Proterozoic Oonah Fm in this area. Strike length of the geophysically anomalous zone may exceed 1000m, trial wacker sampling returned over 1% Zn, and several metres of percent-level Zn have been intersected by previous diamond drilling. Diamond drilling will target stratigraphic and structural targets within the envelope of anomalous geophysics and geochemistry.

Avebury prospect may conceal a Zn-Pb-Cu body hosted within either Cambrian or Proterozoic lithologies. Stream and soil geochemistry have broadly defined an anomalous area, although further work is required to pinpoint the source and style of the anomaly. Infill soil sampling, SP and magnetic surveys are planned.

Decarbonisation of Ordovician Gordon Limestone has produced significant surface enrichment of Zn-Pb within residual black pug. This style of mineralisation has not been previously evaluated. Myrtle prospect potentially has grade, thickness and areal extent to conceal a substantial base-metal accumulation. Pyramid is of similar style, although smaller. Air-core drilling traverses across prospective black pug areas will be used to evaluate these targets.

Serpentinised dunites at Trial Harbour host a small sulphide Ni occurrence. Background levels of Ni in outcropping serpentinite are 0.75%, possibly indicative of Ni in sulphide form, as distinct from Ni bound in the silicate lattice. Systematic soil and rockchip geochemical sampling is required in 1993.

2. INTRODUCTION

EL28/88 was granted to "His Grace, The Most Noble, The Duke of Avram" on 9th December 1988, and transferred to Major Mining Ltd on the 23rd November 1989. CRA Exploration Pty. Limited entered into a joint venture agreement with Major to explore EL28/88, commencing on 23rd April 1991.

EL28/88 covers 129 sqkm located near Zeehan on the Tasmanian W coast (Plan Tv431). During the period under review, the fourth year of tenure, CRAE has a statutory obligation to expend \$64500, plus a shortfall in expenditure from year three of \$41700, totalling \$106200. This report details all exploration activities conducted within EL28/88 by CRAE during 1992.

CRAE's principal commodity of interest in the Zeehan area is Zn-Pb. The Zeehan area shows many fundamental similarities with the Lawn Hill area of NW Qld, where the Century Zn-Pb discovery is situated. CRAE believes EL28/88 holds good potential for discovery of a stratabound shale-hosted Zn-Pb deposit.

Ordovician Gordon Limestone hosts considerable potential for carbonate-hosted Zn-Pb, and secondary deposits derived from the decomposition of the carbonate. Ultramafic bodies in the area may potentially host disseminated low-grade Ni mineralisation. Other mineralisation styles and commodities (e.g. Sn) are also valid targets that will be pursued as opportunities arise.

Five targets were selected for work during 1992; Stonehenge, Avebury, Myrtle, Pyramid and Trial Harbour (Plan Tv443). Activities included literature studies and open-file data compilation, ground soil and wacker geochemical sampling, magnetic and IP surveys, and geological mapping. The status of each of these prospects was upgraded in 1992; all will require more intensive exploration during 1993.

3. CONCLUSIONS

Investigations of Stonehenge, Avebury, Myrtle, Pyramid and Trial Harbour prospects upgraded their status during 1992.

Geochemical testing of IP targets near the old Sunshine workings at Stonehenge indicates significant potential for stratiform shale-hosted Zn-Pb within the Proterozoic Oonah Fm in this area. IP results show the strike length of the anomalous zone to exceed 1000m, and open-file diamond drilling analyses prove that several metres of percent-level Zn are contained within the zone.

Avebury prospect, a previously unexplored target, may conceal a Zn-Pb-Cu body hosted within either Cambrian or Proterozoic lithologies. Stream and soil geochemistry have broadly defined an anomalous area, although further work is required to pinpoint the source and style of the anomaly.

Decarbonatisation of Ordovician Gordon Limestone has produced significant surface enrichment of Zn-Pb within residual black pug. This style of mineralisation has not been previously evaluated, although open-file data clearly indicates its importance. Previous exploration shows Myrtle prospect to have grade, thickness and areal extent to conceal a substantial base-metal accumulation. Pyramid is of similar style, although smaller.

Potential for shale-hosted and "decarbonate"-hosted Zn-Pb orebodies has been heightened by this years activities. Further exploration should be vigorously pursued.

Initial inspection of the ultramafic body at Trial Harbour indicates prospectivity for Ni sulphide mineralisation. Ni sulphides are known from old workings, and background levels of Ni in the serpentinised dunite exceed values normally found bound in the silicate lattice.

4. RECOMMENDATIONS

Of the five prospects investigated in 1992, Stonehenge, Avebury, Myrtle and Trial Harbour require continued exploration in 1993. The following activities are recommended for the 1993 field season:-

STONEHENGE PROSPECT - SUNSHINE WORKINGS ANOMALIES

- Diamond drilling of structural and stratigraphic targets within the envelope of anomalous geophysics and geochemistry.

STONEHENGE PROSPECT - OTHER SOIL ANOMALIES

- Infill soil or wacker sampling to define size and nature of TH14 and South of Tasmanian anomalies.

AVEBURY PROSPECT

- Infill soil sampling in the central area of the grid.
- Electrical geophysics. Given the access difficulties, SP may be most appropriate.
- Ground (or helicopter-borne) magnetics to resolve the position of the magnetic anomaly on the ground.

MYRTLE PROSPECT

- Drilling traverses across prospective black pug areas. A small air-core drilling system may be the most appropriate to give an accurate continuous profile.

PYRAMID PROSPECT

- Dependent on results for Myrtle. If Myrtle is successful then a similar drilling campaign will be conducted at Pyramid.

TRIAL HARBOUR PROSPECT

- Soil and rockchip sampling of the ultramafic to delineate accumulations of chalcophile minerals indicative of Ni in sulphide form, as distinct from Ni bound in the silicate lattice.

5. REGIONAL GEOLOGY

Zeehan and its surrounding districts have seen almost continuous sedimentation, igneous activity and deformation from the Late Proterozoic to the Quaternary. Consequently the picture of geological evolution is a complex one. Recent mapping by the Tas Dept of Mines is helping to solve old puzzles, but also continues to open new cans of worms.

Corbett (1989) gives a good summary of possible tectonic models to account for the early palaeozoic geology of NW Tasmania. Some interesting new concepts are summarised informally in Turner (1992). For CRAE staff, Parkinson (1992) attempts to pull together a few loose threads.

The Rocky Cape Association forms basement in NW Tasmania. This association is not represented on the Zeehan 1:63360 sheet. In the late Precambrian, around 700Ma, a shallow basin was forming in the stretched intracratonic area between the Rocky Cape and Tyennan Regions. Coarse clastic sediments (conglomerates and sandstones) of the Forest Conglomerate, Donaldson Fm and base of the Timbs Gp were deposited.

Turbidite sequences of interbedded sands and silts of upper Donaldson Fm, Timbs Gp and Oonah Fm were laid down as the intracratonic basin deepened.

As the rift phase drew to a close, sag phase Black River Dolomite, Savage Dolomite, ?Timbs Gp magnesite horizons, and Success Creek Gp limestones were deposited. Rift tholeiites and associated sediments of the Smithton Volcanics, Bernafai Volcanics, Timbs Gp and Crimson Creek Fm erupted over the now filled basin.

During the mid to late Cambrian, an arc-continent collision caused overthrusting of ultramafic-mafic rocks and related sediments, possibly from a subduction complex some distance E of the Tyennan Block. The gabbros and basalts between Trial Harbour and Zeehan are of Boninitic composition - present understandings of basalt chemistry require that these Boninites derive from a fore-arc wedge (Brown and Jenner, 1989).

Post-collision extension tectonics then produced troughs into which the Dundas Gp sediments and Mount Read Volcanics were deposited. A local metamorphic event dated at 500Ma (Penguin Orogeny), possibly contemporaneous with eruption of the MRV, affected the rift sediments in the area of the present-day Arthur Lineament. This event probably affected the formations over a broader area than seen today.

Latest Cambrian to Ordovician times saw tectonic uplift of the Tyennan Block. Rapid stripping of this nucleus produced the coarse clastics of the Owen Conglomerate and correlates. As the rate of erosion slowed, sequences became finer (e.g. Moina Sandstone). Finally, in a short period of quiescence, limestones of the Gordon Group were deposited.

A second phase of uplift introduced sands and silts into a shallow marine environment to form the Eldon Group. This event took place from the early Silurian until the early Devonian, when the first rumblings of the Tabberabberan Orogeny were being felt.

Earliest of events forming part of the Tabberabberan Orogeny was a period of thrusting, possibly induced by compressive stresses caused by the rising plutons of the Heemskirk, Meredith and Husetop Granites.

To the NW of the granites, this compression thrust imbricate slices of the Timbs Gp over one another to produce the rapid, apparently quantum jumps in metamorphic grade seen in the Arthur Lineament. To the S, the Tenth Legion Thrust within the EL area is the clearest evidence of the early Devonian thrust event (Findlay and Brown, 1992). Other thrusts are likely to have developed, perhaps along the Little Henty and Firewood Siding Faults, to "poke the tongue" of Zeehan area geology southward into the Henty Basin.

Continued Tabberabberan deformation folded the Zeehan Basin formations about NNW-trending axes.

Geological events subsequent to the Tabberabberan Orogeny do not capture the imagination of mineral explorers. Terrestrial sedimentation continued in the Permian. Jurassic dolerite sills intruded the Zeehan area. Tertiary basalts flooded much of NW Tasmania, with remnants preserved near Granville Harbour.

Tertiary and Quaternary erosion and deposition continue to modify the ancient landsurface.

6. MINERALISATION

Several periods, styles and commodities of mineralisation are recognised in the Zeehan area. In summary these are:-

PERIOD	STYLE	EXAMPLE
Proterozoic	Stratiform syn-depositional pyrite in black shale.	Oonah Fm
Cambrian	Stratiform? magmatic Ni-sulphides in ultramafics	Cuni
Ordovician	Stratabound sphalerite-galena in limestone.	Oceana
Devonian	Stratabound replacement cassiterite-pyrrhotite in carbonates	Renison Bell
Devonian	Discordant lode-style pyrite-galena-sphalerite	Spray,
Comstock		
Devonian	Discordant vein-style pyrite-galena-sphalerite	Comet
Devonian	Skarn magnetite (+sphalerite-cassiterite)	Saint Dizier
Quaternary	Residual Pb-Zn in surficial decarbonated limestone	Myrtle, Grieves

Historically it has been the lode and vein-style Pb-Ag mineralisation of the Zeehan and Dundas fields that have dominated interest. Lode-style mineralisation at Zeehan is usually hosted within graphitic shears in Oonah or Crimson Creek Fms. These deposits are high grade, but narrow (typically 0.3m) and with short strike and depth extent (usually less than 100m). In the context of modern large-scale mining practises, it is unlikely that such a target could be of economic interest on its own.

In the last 20 years or so, replacement-style Sn deposits have been given considerable attention. West Tasmania is well endowed with these deposits, which include Renison Bell, Queen Hill, Mt Bischoff and Cleveland. At Renison Bell, most ore occurs as massive pyrrhotite replacement of carbonate horizons, although a substantial quantity of ore occurs within the Federal-Bassett feeder zone. Source of the mineralisation is believed to be from Sn-rich fluids emanating from the underlying Devonian granite. A pre-mining resource is estimated at 42Mt @ 1.1% Sn (Collins, 1989).

Queen Hill is similar in style to Renison Bell, with a resource of 4Mt @1% Sn. Given the world oversupply of Sn, and the inherent low grade and metallurgical difficulties of these deposits, a replacement style Sn deposit is probably not a valid exploration target for a company without an existing Sn portfolio.

Magnetite skarn deposits such as Saint Dizier and Tenth legion have formed in carbonate lithologies adjacent to the Heemskirk Granite. St Dizier contains 5Mt @ 0.5% Sn, whilst the skarn at Tenth Legion contains low percent levels of Zn as sphalerite. These deposits are possibly of interest due to their multi-commodity nature and simple metallurgy.

Nickel mineralisation as magmatic segregations within the ultramafics appears to be insignificant in quantity, although the grade of individual occurrences sounds impressive. Deposits are generally less than 50m long and of the order of 1m wide, with several percent of Ni and Cu (Blissett, 1962). Although some drilling has been carried out, there is no clear understanding of the geometry of the deposits with depth. This style of mineralisation should be considered incompletely explored.

Stratabound Pb-Zn in limestone is exemplified by the Oceana deposit where Amoco outlined a resource of 4Mt @ 19.4% Pb, 4% Zn and 106 ppm Ag (Taylor and Mathison, 1990). Mineralisation is described as syndiagenetic replacement, broadly equivalent to Irish-type deposits. Indications of other stratabound carbonate-hosted Pb-Zn mineralisation is recorded in Amoco-EZ diamond drilling from Myrtle and Grieves prospects. Despite intensive but fruitless exploration by Amoco-EZ, the Gordon Limestone still holds excellent potential for significant base-metal discoveries.

Perhaps more significant than potential within the limestone is near-surface enrichment of Pb-Zn by the dissolution of the carbonate. This decarbonatisation has left a layer of black sulphidic pug sitting above fresh limestone, beneath a veneer of glacial gravels. Zinc and Pb have been retained and concentrated in this pug layer. The black pug is extensively developed over virtually all areas of near-surface Gordon Limestone. Potential of this target is untested to date, but will be evaluated by CRAE in the course of these investigations.

Stratiform syngenetic sulphides in Proterozoic black shale is currently CRAE's principal focus in the Zeehan area. To date, no economic occurrences of base-metals in this deposit type are known in Tasmania. Clear similarities can be drawn between Zeehan and the Mt Isa and Lawn Hill areas, and on that basis the potential for discovery of another Century-type deposit is high.

The best reference for brief descriptions of all deposits of the Zeehan field, although somewhat dated now, is Blissett (1962). Early Geological Survey bulletins from between 1890 and 1910 are important historical references.

7. PREVIOUS EXPLORATION BY COMPETITORS

Summons (1991) summarised relevant exploration activities by competitors prior to the granting of EL28/88. Of particular significance to CRAE's activities is the exploration program by RGC on EL11/76, and Amoco-EZ on EL4/78.

An intensive program of Sn exploration was conducted by RGC on the Stonehenge grid. This produced a large volume of geological, geochemical, geophysical and drilling data, much of which can be directly applied to CRAE's shale-hosted Zn-Pb exploration effort.

Amoco-EZ in joint venture on EL4/78, systematically evaluated the potential for the Ordovician Gordon Limestone to contain carbonate-hosted Pb-Zn deposits. Again considerable geological, geochemical, geophysical and drilling data was amassed which CRAE will build upon in continuing the search.

8. EXPLORATION BY MAJOR MINING LTD / CRAE PRIOR TO 9/11/91

Activities by Major Mining prior to CRAE's involvement are detailed in the relevant statutory reports. Field activities included a gradient array IP survey covering a small area between the South Comstock and Tasmanian workings.

Exploration by CRAE on EL28/88 prior to 9/11/91 focussed on an extensive compilation and review of existing open-file data (Summons, 1991). Analysis of the structural controls to historical mineralisation suggested the Devonian NNW-trending shear/fracture controlled mineralisation to possibly overprint an earlier (Precambrian?) ENE-trending mineralised corridor. Mapping undertaken during the year tends to support this hypothesis.

Statistical evaluation of Ag:Pb ratios indicated a decline in Ag:Pb from Proterozoic to Ordovician deposits. Considering the ratio as a vector, areas of high Ag:Pb could be close to a postulated Precambrian "Mother Lode". On this basis, the Spray, Montana No. 2 and Junction deposits are the "closest to source".

CRAE's initial exploration strategy for the current period aimed to test these two models.

9. EXPLORATION ACTIVITIES FOR THE PERIOD 9/11/91 TO 9/11/92

9.1 Exploration Philosophy

CRAE's principal commodity of interest in the Zeehan area is Zn-Pb. The Zeehan area shows many fundamental similarities with the Lawn Hill area of NW Qld, where the Century and Walford's Creek Zn-Pb discoveries are situated. Common characteristics include the presence of Proterozoic sulphidic black shales and numerous discordant (remobilised?) Zn-Pb occurrences. CRAE believes EL28/88 holds good potential for discovery of a stratabound shale-hosted Zn-Pb deposit.

Ordovician Gordon Limestone hosts considerable potential for carbonate-hosted Zn-Pb, and secondary deposits derived from the decomposition of the carbonate.

Ultramafic bodies in the area may potentially host disseminated low-grade Ni sulphide mineralisation.

Other mineralisation styles and commodities (e.g. Sn) are also valid targets that will be pursued as opportunities arise.

Five targets were selected for study during 1992; Stonehenge, Avebury, Myrtle, Pyramid and Trial Harbour.

9.2 Stonehenge Prospect

9.2.1 Introduction

Stonehenge prospect is 3km WSW of Zeehan. The prospect covers several historical workings in the area between Comstock and Spray mines, including TLE, Stonehenge, Tasmanian, Swansea, Grubbs, Sunshine, Nubeena and several lesser workings.

CRAE selected Stonehenge as a focus for stratabound Zn-Pb exploration based on the presence of favourable sulphidic shale stratigraphy combined with these numerous base-metal occurrences. Open-file geophysical and geochemical data indicated linear conductive zones with elevated base-metal response parallel to stratigraphy. Diamond drilling logs recorded abundant sulphidic black shale.

The Stonehenge grid established by RGC was relocated and used for all work undertaken on the prospect. To eliminate problems of "westings" and "southings" on the original RGC grid, 10000m were added to east coordinates and 5000m were added to north coordinates (i.e. RGC 00mE 00mN = CRAE 10000mE 5000mN). The grid location is shown on Plan Tv468.

9.2.2 Literature Review

During the period 1981-1987, RGC Ltd collected a large body of data over the Stonehenge area as part of their Sn exploration activities on EL11/76. Almost all of these data can be applied directly to Zn-Pb exploration. The following data sets are in constant use:-

- geological mapping
- soil geochemistry
- ground magnetics
- gradient array IP
- EM surveys (EM37, UTEM, VLF)
- drilling logs and assays

CRAE has digitised the ground magnetic survey and soil geochemistry. The geological map has been revised and upgraded. IP and EM results were used to help target potential black shale horizons. Reference to these data sets are made in the sections below.

9.2.3 Geology and Mineralisation

Current geological understanding is summarised on plan Tv452. Stratigraphic elements present in the Stonehenge area are:-

- Quarternary and Tertiary cover
- Ordovician Owen Conglomerate
- Cambrian Dundas Group
- Late Precambrian or early Cambrian Crimson Creek Formation
- Late Precambrian Oonah Formation

The Oonah Fm can be divided into three readily identified sub-units:-

- massive white to grey quartzite
- interbedded black shale, siltstone, greywacke and rare limestone
- muscovitic quartzite

Of interest for stratabound mineralisation is the shale-siltstone unit. This horizon weathers in preference to the quartzites to form the E-W valley in the area of the Sunshine mine. Near Sunshine the shales are obscured by up to 10m of gravels.

Crimson Creek Fm reddish-purple volcanoclastics, basalts, khaki mudstone and black shales crop out north of the tenement, in particular on Manganese Hill. This formation is interpreted to overlie Oonah Fm but at this locality the contact is faulted by the *Balstrup Fault*.

South of the Tasmanian tramway, chert-clast conglomerates and grits, and a "salt and peppery" sandstone crop out over a large area of subdued topography. These formations are part of the Dundas Group.

South of McLean Creek, cobble conglomerates of the Owen Conglomerate rise imposingly to the peak of Mount Zeehan.

Separating the Oonah Fm and Dundas Grp in the vicinity of the Tasmanian tramway is a recently identified sub-horizontal thrust - the Tenth Legion Thrust (Findlay and Brown, 1992). Before the discovery of the thrust, considerable stratigraphic gymnastics had to be indulged in to get the topographically higher Oonah Fm to underlie the Dundas Grp. Best evidence for the thrust is seen in road cuts and excavations at South Comstock. RGC drillhole TH12 intersected the thrust plane where brecciated and mylonitised mafic rocks were described. The age of the thrust is interpreted to be early Devonian, coincident with the beginning of the Tabberabberan Orogeny.

Numerous bedding measurements were collected in the Oonah Fm in an attempt to better define stratigraphic positions. General trends are summarised on the geological map (Tv452). The quartzites are mostly steep N-dipping. Dips and strikes within the shale package are variable, probably indicating the willingness of these rock types to accept deformation. No facings could be unequivocally recognised to give a "way up" to the Oonah Fm.

Devonian shearing along a NNW trend has disrupted earlier formations. These structures are characterised by highly graphitic and sulphidic shear bands, locally hosting lodes of pyrite, galena and sphalerite that have been historically exploited. It is significant to note that shearing and mineralisation are most strongly developed where a structure cuts across the Oonah Fm shale-siltstone sub-unit. This sub-unit has been dragged into, and smeared along the shears.

Historically important Comstock, Sunshine and Spray deposits occur at the intersection of shears and the shale horizon. Minor deposits such as TLE, Tasmanian and numerous others occur where the shears have passed through less receptive quartzite or Dundas Grp. These observations are the strongest circumstantial evidence that the Devonian discordant deposits are remobilised from an Oonah Fm precursor.

9.2.4 IP Surveys

CRAE commissioned a dipole-dipole IP survey to address two specific targets. First was the concept of a "Precambrian mineralised corridor", suggested by the 1991 structural analysis and the study of Ag:Pb ratios. The second target was the more tangible linear geochemical and geophysical anomalies previously defined by RGC.

Scintrex Ltd completed a total of 10 line km of dipole-dipole IP surveys on the prospect. Dipole spacing used was 50m. A 10kVa generator was the power source where access permitted, otherwise a 3kVa was employed. The 3kVa was found to be sufficient in all cases.

Three lines tested the "Precambrian mineralised corridor", i.e. Spray IP line, Sunshine line and Grubbs line. The first two were designed to cut across the corridor, the last to identify the discordant structures that cut the corridor. Five lines, 10200E, 10900E, 11100E, 11800E and 11900E tested strong EM and IP trends detected by RGC in previous surveys (Plan Tv477) that were interpreted to coincide with black shale units.

A full interpretation of results and all IP data are given in Appendix 1. An IP interpretation is presented on plan Tv469, and pseudo-sections are plotted on plans Tv453 to Tv461.

9.2.5 Ground Magnetic surveys

RGC completed a detailed ground magnetic survey over the Stonehenge grid. The *only feature of note is the wide, high amplitude magnetic bulls-eye lying at the centre of the grid. Modelling of the feature suggests a depth to source of over 400m.*

Similar large magnetic features in the area include Queen Hill (pyrrhotite) and Tenth Legion (magnetite), both associated with significant, although sub-economic mineralisation. The cause of the Stonehenge magnetic feature is unknown.

CRAE completed ground magnetometer traverses along IP lines. No responses of significance were detected, possibly due to pervasive field effects from the deeper body. Combined digitised RGC and CRAE data is plotted as stacked profiles on plan Tv470 and contours on plan Tv471.

In the reprocessed combined data, it is possible to identify a number of linear trends, most likely due to structural features. NNW Devonian trends are weakly visible, probably due to metallic debris left by early miners exploiting these lodes. A WNW structure appears to be controlling the S edge of the large magnetic high. This structure may be parallel to, and related to the Tenth Legion Thrust.

9.2.6 Soil Geochemistry

RGC amassed soil geochemistry over the Stonehenge grid at 100m x 25m spacing. CRAE has compiled and digitised this work. In addition, CRAE collected hand-augered unseived C-horizon soil samples at 25m spacing along IP traverses not previously sampled by RGC. Samples were also collected at 10m intervals over selected RGC base-metal anomalies.

In all, 303 soil samples were collected during 1992. Samples were submitted to Analabs, Burnie for aqua regia - perchloric acid digest followed by AAS analysis of Ag-As-Cu-Pb-Zn. An initial batch was submitted for Bi, but as all results were below detection this element was discontinued. Another subset containing elevated base-metals were submitted for Au, but results were negative.

Ledgers and assay results for CRAE and RGC samples are presented in Appendices 2 and 3. CRAE soil sample locations are plotted on Plan Tv479. Results from the CRAE program are patchy. Penetrating beneath the surface gravel and humus layer with the hand auger was difficult in some cases. Leaching of near surface soils may also render this sampling technique unreliable.

The above caveat notwithstanding, some substantial Zn-Pb anomalies have been detected by the RGC and CRAE surveys (Plans Tv480 and Tv481). Anomalies can broadly be grouped into three categories:-

- anomalies due to contamination from old workings
- anomalies due to Devonian discordant mineralisation
- anomalies associated with black shales (i.e. stratabound)

Examples of the first two types are most clearly seen along the Spray-Nubeena line of lode, and to a lesser extent around the TLE to Swansea groups of workings. These anomalies are currently not of interest.

Anomalies of the third group are identified by their linear nature, association with IP/EM anomalies, or by direct recognition of black shale in outcrop/subcrop. Four targets that may conform to this group are:-

- south of Tasmanian. Max 1.9% Zn, 1.7% Pb (11600E, 4100N)
- near TH14. Max 0.6% Pb (11800E, 5450N)
- swamp near Sunshine workings. Max 0.8% Zn, 0.3% Pb (12200E, 5200N)
- valley west of Sunshine workings. Max 0.6% Zn, 0.55% Pb (11900E, 5025N)

South of Tasmanian: Two consecutive samples returned over 1% Zn and Pb in RGC sampling. The anomaly is 200m from the closest workings (Tasmanian), but is downstream from the mine dumps. The anomaly is unexplained. Follow-up is required but as yet has not been undertaken.

Near TH14: A 300m-long linear Pb anomaly extending from 11500E to 11800E. The anomaly is parallel to stratigraphy in an area of interbedded siltstone, shale and quartzite. A strong late-channel EM37 conductor coincides with the anomaly. RGC drillhole TH14 into the west end of the anomaly collared in weathered, limonite-stained black shale, passing into fresh pyritic graphitic black shale. No shales were submitted for assay.

This core needs to be located and resubmitted for base-metal analysis. When contacted, RGC seemed to be unsure if the core still existed.

Swamp near Sunshine workings: A 200m triangular area of flat swampy ground west of Sunshine is anomalous in Zn and As. A late-channel EM37 conductor passes through the area. It is possible that some of the surface anomalism is due to the adjacent workings, but RGC drillhole TH12 intersected significant mineralisation, including:-

32m - 41m	9m @ 2.5% Zn, 1% Pb	(10% core recovery)
67m - 70m	3m @ 6.2% Zn	(7% core rec.)
79m - 82m	3m @ 10.3% Zn, 1.5% Pb, 261ppm Ag, 0.85% Cu, 0.7% Sb	(55% rec)

RGC excluded the black shale units from assaying. Additional exploration, including drilling, is required to determine the extent of mineralisation.

Valley west of Sunshine workings: Extending west from the Swamp anomaly is a valley floored by black shale anomalous in Zn and Pb. The geochemical anomaly extends from 11300E to 11900E, where thick gravels in the swamp obscure any response. It is likely the Valley and Swamp anomalies are continuous. EM37 and CRAE's IP results from line 11900E show the shale unit to be very highly conductive. This distinctive conductor can be traced west to the limit of CRAE's IP surveys at 10900E, a strike length in excess of 1000m. Drilling of this target is warranted.

9.2.7 Wacker Geochemistry

When it became apparent that gravels were preventing the hand auger from collecting meaningful soil samples, a test line of Wacker drilling was attempted at 10m spacings along line 11900E. This line was chosen to provide more detailed geological and geochemical information about the underlying black shale conductor. Surface gravels were suspected to exceed 2m in thickness.

Nineteen samples were collected between 4950N and 5200N (Appendix 4). Gravel cover attained a maximum thickness of 18m, although most were in the 5m to 10m range over the target. Pyritic, graphitic black shale was intersected from 4975N to 5150N, at which point the gravels could no longer be penetrated. Anomalous Zn and Pb values exceeding 0.1%, up to 1.1% Zn, 0.6% Pb and 280 ppm As, extended over the full interval of effective sampling. Selective Au assaying failed to detect any elevated values.

Additional wacker sampling is required to determine the extent of the metalliferous shale unit beneath the gravel cover in the Valley and Swamp areas.

9.2.8 Rockchip Geochemistry and Lead Isotope Analysis

A total of ³¹ samples have been collected by CRAE from EL28/88 during 1992. Samples were submitted to Analabs, Burnie for aqua regia - perchloric acid digest followed by AAS analysis of Ag-As-Cu-Pb-Zn. Some batches were submitted for Bi, Mo, Sn and Au but as results were generally low these elements were not continued. Ledgers and analyses together with an explanation of lithological codes are presented in Appendix 5.

Dumps at Grubbs mine contain common quartz-sphalerite breccia mineralisation discarded by the old miners. At Stonehenge, this style of mineralisation is unique to the Grubbs deposit. Analyses of representative samples of breccia returned up to 32% Zn, 120 ppm Ag, 0.45% As and 510 ppm Sn. Galena and pyrite are rare in the breccia. Quartz-sphalerite breccia is not described in old reports of the mine, so its abundance is unknown.

Samples from the Sunshine area highlight the importance of the intersection of the Devonian shears with the Proterozoic black shales as a focus for mineralisation. Dumps at the Sunshine mine contain abundant sphalerite. A sample of massive sphalerite (57% Zn) discarded on dumps is low in impurities, containing 500ppm Mn and 1% Fe. Quartz-sphalerite rocks (veins?) on the dumps returned up to 28.7% Zn, 2.3% Pb and 124ppm Ag.

Adjacent to the Sunshine workings 2m rockchip over an outcrop of sheared black shale returned 2.2% Zn and 0.66% Pb. An outcropping zone of sulphidic grey pug returned 23.3% Zn, 3.4% Pb and 75ppm Ag over a 2m width. A 1m sample of pyritic grey pug containing siltstone and ?carbonate breccia clasts assayed 1.1% Zn and 0.5% Pb. No other rockchips were collected from this area.

About 100m NW of Sunshine, in the centre of a triangular timbered area, are outcrops of boggy ironstone. Two samples averaged 50% Fe and 5% Mn, but were barren of base-metals. The ironstone is interpreted to be due to surficial precipitation of Fe and Mn oxides, not the weathering of a sulphide body.

Four galena specimens from dumps at Grubbs, Nubeena, Swansea and Comstock were collected for Pb isotope analysis by ICP-MS at Analabs, Perth. The purpose was to demonstrate whether the mineralisation is truly Devonian or is remobilised from a Proterozoic or Cambrian precursor.

Isotopic ratios of four galena specimens are ambiguous. Proportions of uraniumogenic Pb (i.e. Pb206 and Pb207) are considerably higher than for either Cambrian or Devonian deposits, suggesting a different origin. Curiously, isotope ratios are markedly different from those of the nearby Spray, Queen Hill and Oceana deposits. If the Pb is stratabound Proterozoic in origin, it has undergone at least one remobilisation into the discordant bodies. A multi-stage Pb evolution model required in this case would be notoriously difficult to interpret.

9.2.9 Proposed Exploration during 1993

Work completed during 1992 has laid the foundation for some major detailed investigations during 1993. Anomalies near the Sunshine workings require immediate attention. At these anomalies, Oonah Fm black shale has been demonstrated to contain significant base-metal levels. Geophysical evidence suggests the strike length and width are appropriate to host a target of dimensions suitable to CRAE.

Four diamond drill-holes are proposed to test the anomalies at Sunshine. Two holes will test the middle of the swamp area where the black shale is cut by a Devonian NNW shear structure. Two other holes will test the black shale horizon along the valley to the W. It is intended that these holes be drilled in 1992, but results will be unavailable for inclusion in this year's report.

Additional exploration is warranted near Grubb's mine, where a large IP anomaly requires explaining. An exploratory "Winkie" diamond hole should be sufficient for initial indications.

Other lower-priority geochemical and geophysical targets require further soil sampling and IP testing in order to raise them to drill status.

9.3 Avebury Prospect

9.3.1 Introduction

A review of CRAE and competitors' regional stream sediment database indicated several small creeks draining an unexplored area between McLean and Comstock Creeks to be strongly anomalous in Zn and Pb. Six anomalous samples draining a tightly constrained 1500m x 500m area produced a maximum response of 1280 ppm Zn and 580 ppm Pb (Plan Tv472).

The anomaly, detected and noted by RGC was not followed up by them as there was no associated Sn response.

The anomaly is in an area of no historical mining activity and the catchments are not contaminated by mine spoil as is common for most of the Zeehan area.

Access to the anomaly, 3.5km SSW of Comstock, is via a logging area adjacent to the Trial Harbour road, then south along a walking track cut for CRAE (Plan Tv472).

9.3.2 Geology

Outcrop on the grid is generally poor to non-existent, except on the steep topography to the south. The majority of the prospect appears to be underlain by mafic rocks, either gabbro or basalt, mantled by a sticky yellow-orange clay. The steep southern slopes are Owen conglomerate. A white sugary silicified rock is locally present. Its appearance is that of Oonah Fm siltstone, however it would seem to stratigraphically overlie the gabbro/basalt. The prospect may therefore be another exposure of the sub-horizontal Tenth Legion Thrust.

Interpreted local geology and observations from soil pits are summarised on Plan Tv472.

9.3.3 Geophysics

No ground geophysical data has been collected over Avebury prospect to date. Airborne magnetic data show a very high amplitude linear anomaly coincident with the outline of the stream sediment anomaly. The strength of this anomaly exceeds anything else in the Zeehan area, including the magnetite anomaly of the Tenth Legion deposit.

Modelling of gridded aeromagnetic data from the West Coast Survey indicates that the cause is an E-W trending body with dimensions 1000m x 600m x 400m, approximately 100m deep, with a susceptibility of 12000 - 20000 $\times 10^{-5}$ SI. Such high susceptibilities are compatible with a mafic or ultramafic source containing about 5% magnetite.

9.3.4 Soil and Rockchip Geochemistry

Hand-augered C-horizon soil sampling was completed at 200m x 25m intervals over a 1400m x 400m area (Plan Tv482, Appendix 2). Patchy values exceeding 200ppm Zn were recorded over 1.4km of strike, however peak Zn-Pb-Cu-As values of 450ppm Cu, 1300ppm Pb, 1150ppm Zn and 210ppm As are confined to a 400m x 300m zone in the centre of the grid (Plans Tv483 to Tv486). Anomalous results were confined to mafic lithologies. Areas of Ordovician or Proterozoic sediments were generally not anomalous. A small batch of soil samples containing elevated Zn-Pb-Cu-As were submitted for Au analysis, but results were negative.

Four rockchip samples of altered and silicified lithologies were collected (Appendix 5). Zinc values up to 530 ppm, and As to 86 ppm were obtained. A sample collected near the site of maximum Zn-Pb soil geochemistry assayed 345 ppm Zn and 225 ppm Pb.

9.3.5 Proposed Exploration during 1993

At this stage, geochemistry indicates potential for mineralisation to be present in the area, but a source of the stream and soil anomalies is still elusive. Infill soil sampling in the central area of the grid is recommended. Some form of electrical geophysics would be desirable; given the access difficulties, SP may be most appropriate. A line of ground (or helicopter-borne) magnetics is required to resolve the position of the magnetic anomaly on the ground.

9.4 Myrtle Prospect

9.4.1 Introduction

Myrtle is a carbonate-hosted Pb-Zn prospect within Ordovician Gordon Limestone. Following activities by CRAE on adjacent tenements EL34/88 and EL38/89, the prospectivity of this target has been upgraded.

Extensive exploration by Amoco and EZ of the Gordon Limestone basically failed to locate an economic Pb-Zn resource. Exhaustive wacker sampling identified numerous base-metal anomalies in near-surface black decomposed limestone, however drilling beneath these targets showed the base-metal values to be due to a surface enrichment process.

CRAE regards the enriched metal levels within the near-surface black decomposed limestone to be a valid target in themselves. Studies by Amoco-EZ showed the metal upgrading to be four-fold, and their wacker drilling indicates sufficient thickness and areal extent to host a significant deposit.

Apart from the literature review and data compilation, no field work on the carbonate targets in EL28/88 has been undertaken in 1992.

9.4.2 Literature review

During the period 1978-1987, Amoco followed by EZ collected a large body of data over areas of Gordon Limestone as part of their Zn-Pb exploration activities on EL4/78. Although their program was unsuccessful in delineating a bedrock carbonate-hosted resource (apart from the sub-economic Oceana deposit), it became clear that significant enrichment of Pb and Zn was occurring in the decarbonated black pug developing in the weathering profile above the limestone.

Amoco-EZ, after so many frustrating years of searching for the hardrock source to these anomalies, failed to perceive the black pug as a target in itself. Drillholes precollared through the pug, wacker drilling was employed to get fresh bedrock samples and geophysics attempted to see deeper. Unfortunately therefore, only limited use of these data sets can be made. Available data includes:-

- geological mapping
- wacker geochemistry
- ground magnetics
- gravity
- IP and EM surveys
- drilling logs and assays

Diamond drilling at Myrtle shows the unweathered limestone to contain significant, but sub-economic levels of Zn-Pb. Better intersections include:-

- ZM1008 4.0m @ 2.7% Zn, 1.3% Pb
- ZWM13 4.3m @ 1.5% Zn
- ZWM14 2.1m @ 3.9% Zn, 1.6% Pb
- ZWM15 11.3m @ 2.1% Zn

Costeans dug in attempts to penetrate the pug layer give us our best glimpse of the potential of the decarbonated limestone. Results of horizontal sampling across a flat-lying mineralised zone are qualitative only, but better intersections include:-

- 50600N 2m @ 17.8% Zn, 3.8% Pb
- 50500N 8m @ 6.9% Zn, 0.8% Pb
- 50300N 2m @ 7.1% Zn

CRAE has digitised all wacker geochemistry, converting local grids to AMG coordinates (Appendix 6). This data set initially will guide area selection to combine Zn-Pb anomalism with sufficient thickness of the pug layer, to provide appropriate tonnes and grade to meet CRAE criteria.

Of the 435 wacker samples over Myrtle within EL28/88, 12 returned over 0.5% Zn, and five returned >1% Zn, up to 12% Zn. Most of these samples cluster around AMG 364250E, 5352350N, with the remainder tailing 600m to the SW. Depths average 10m, grading up to 22m. Since the vertical zonation of Zn is unknown, it is purely speculative how these values relate to true Zn content of the profile.

Plans of wacker sample depth (i.e inferred depth of black pug), Zn and Pb geochemistry are presented on plans Tv487 to Tv489.

9.4.3 Proposed Exploration During 1993

The immediate requirement to test the black decarbonated limestone is to obtain detailed information about the vertical distribution of Zn within this target.

The second requirement is then to assess the lateral continuity of Zn mineralisation. To address these aims, CRAE intends to conduct drilling traverses across the prospective areas highlighted above. Given the soft unconsolidated nature of the black pug, a small air-core drilling system may be the most appropriate to give an accurate continuous profile.

9.5 Pyramid Prospect

9.5.1 Introduction

Pyramid is a carbonate-hosted Pb-Zn prospect within Ordovician Gordon Limestone similar to Myrtle. Following activities by CRAE on adjacent tenements EL34/88 and EL38/89, the prospectivity of this target has been similarly upgraded. As at Myrtle, near-surface black decomposed limestone containing enriched metal levels is the target.

Apart from the literature review and data compilation, no field work on the carbonate targets in EL28/88 has been undertaken in 1992.

9.5.2 Literature review

Pyramid was assessed by the Amoco-EZ joint venture along with the other limestone areas in EL4/78. Work undertaken by Amoco-EZ is as described in the above section for Myrtle.

Winkie shallow diamond drilling at Pyramid returned one significant, but sub-economic intersection, vis:-

- ZWP27 0.4m @ 5.2% Zn, 5.0% Pb

Results of costean sampling include:-

- 1750N6m @ 2.1% Zn, 7.2% Pb

CRAE has digitised all wacker geochemistry, converting local grids to AMG coordinates (Appendix 6). Of the 140 wacker samples over Pyramid, three returned over 0.5% Zn, up to 1% Zn. The main anomaly centres around AMG 364300E, 5356500N. Depths of anomalous samples average 13m. Since the vertical zonation of Zn is unknown, it is purely speculative how these values relate to true Zn content of the profile.

Plans of wacker sample depth (i.e inferred depth of black pug), Zn and Pb geochemistry are presented on plans Tv490 to Tv492.

9.5.3 Proposed Exploration During 1993

Exploration of the Pyramid prospect hinges on results of the drilling program outlined for Myrtle, and similar activities planned on EL38/89 and EL34/88. Should these campaigns prove encouraging then Pyramid will be included in further evaluation. The prospect is not large enough to stand alone.

9.6 Trial Harbour Prospect

9.6.1 Introduction

Exploration activities by CRAE elsewhere in Australia have led to the recognition that certain types of ultramafic complex may host disseminated low-sulphur nickel mineralisation in a form that offers superior metallurgical characteristics to conventional pyrrhotite-pentlandite ores. Whilst the mechanism to produce this style of mineralisation is not yet understood, serpentine development appears to be a key requirement.

Serpentinised dunites at Trial Harbour have not been investigated for Ni mineralisation in recent times. A small sulphide Ni occurrence described by Blissett (1962) contains minor disseminated pentlandite and heazlewoodite, but was apparently of little economic value.

9.6.2 Rockchip geochemistry

The original workings consisting of a shaft and two adits were located on the west side of the ultramafic, overlooking the Trial Harbour township. Serpentinised ultramafics containing disseminated aggregates of sulphides were located on the dump outside the top adit. Samples returned up to 3.35% Ni (Appendix 5). Fe analyses were around 7% (compared to approximately 3% in unmineralised serpentinite), suggesting the Ni may be within pentlandite. No Ni sulphides were seen at the shaft, nor on the dump from the lower adit.

Three samples of outcropping serpentinised dunite were collected several hundred metres apart to determine a crude background value of Ni in the body. Samples averaged 0.75%, possibly indicative of Ni in sulphide form, as distinct from Ni bound in the silicate lattice.

Locally, outcrops of coarse magnetite-feldspar rock was observed. These did not contain anomalous Ni geochemistry.

9.6.3 Proposed Exploration During 1993

Detailed soil and rockchip sampling of the ultramafic will be completed to delineate accumulations of chalcophile minerals indicative of Ni in sulphide form, as distinct from Ni bound in the silicate lattice.



R.G. PARKINSON

REFERENCES

- BLISSETT A.H. 1962 Geological Survey explanatory report, one mile geological map series, Zeehan. *Tas. Dept Mines*.
- BROWN A.V. and JENNER G.A. 1989 Geological setting, petrology and geochemistry of Cambrian boninite and low-Ti thloeiite lavas in western Tasmania. in CRAWFORD A.J. (ed), *Boninites and related rocks*. Unwin Hyman, London.
- COLLINS P.L.F. 1989 Mid-Palaeozoic ore deposits. in BURRETT C.F. and MARTIN E.L (eds), *Geology and mineral resources of Tasmania. Geol. Soc. Aust. Spec. Publ. 15*, p274.
- CORBETT K.D. 1989 Early Palaeozoic deformation and tectonics - Tectonic models. in BURRETT C.F. and MARTIN E.L (eds), *Geology and mineral resources of Tasmania. Geol. Soc. Aust. Spec. Publ. 15*, pp175-181.
- FINDLAY R.H. and BROWN A.V. 1992 The tenth legion thrust, Zeehan district: Distribution, interpretation and regional and economic significance. *Rep. Div Mines Miner. Resour. Tasm. 1992/02*.
- PARKINSON R.G. 1992 Recent advances in the understanding of Precambrian and early Cambrian geology of northwest Tasmania. *CRAE Report No. 17974*.
- SUMMONS T.G. 1991 EL28/88 Zeehan, Tasmania. Statutory progress report for the period ending 9th November 1991. *CRAE Report No. 17636*.
- TAYLOR S. and MATHISON I.J. 1990 Oceana Lead-Zinc-Silver deposit. in HUGHES F.E. (ed), *Geology of the mineral deposits of Australia and Papua New Guinea. Aust. Inst. Min. Metall. Monograph 14*, pp1253-1256.
- TURNER N.J. (ed) 1992 Corinna 1:50000 geological map. Field guide to selected rock exposures. *Rep. Div Mines Miner. Resour. Tasm. 1992/06*.

KEYWORDS

Tasmania, Proterozoic, Ordovician, Oonah Formation, Gordon Limestone, Literature Review, Soil Sampling, Rockchip Sampling, Wacker Sampling, Ground IP Survey, Ground Magnetic Survey, Isotope Analysis, Zinc, Lead, Nickel.

LOCATION

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Pieman	1:100000	7914
Zeehan	1:50000	7914-S

LIST OF DPOs

71501-71503, 71505-71509, 71513, 71516.

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Tv 452	Zeehan No. 1 EL 28/88 Stonehenge Prospect Interpretive Geology	1:10,000
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Tv 488	Zeehan No. 1 EL 28/88 Myrtle Prospect Wacker Geochemistry - Zinc ppm	1:10,000
Tv 489	Zeehan No. 1 EL 28/88 Myrtle Prospect Wacker Geochemistry - Lead ppm	1:10,000
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APPENDIX 3:	RGC soil sampling ledgers and geochemistry ✓
APPENDIX 4:	CRAE wacker sampling ledgers and geochemistry ✓
APPENDIX 5:	Rockchip lithological codes, sampling ledgers and geochemistry ✓
APPENDIX 6:	Amoco-EZ wacker sampling ledgers and geochemistry ✓

047028

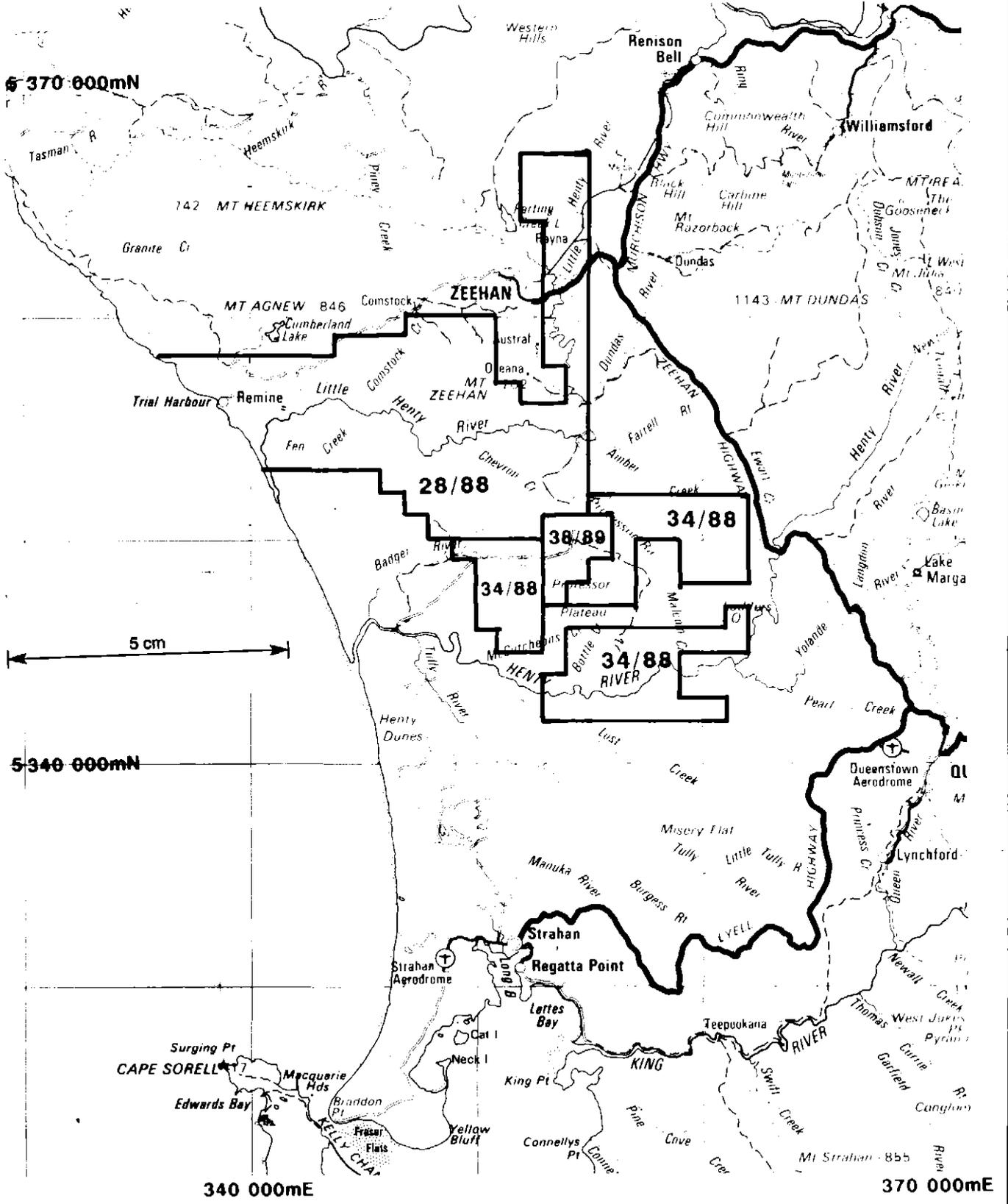
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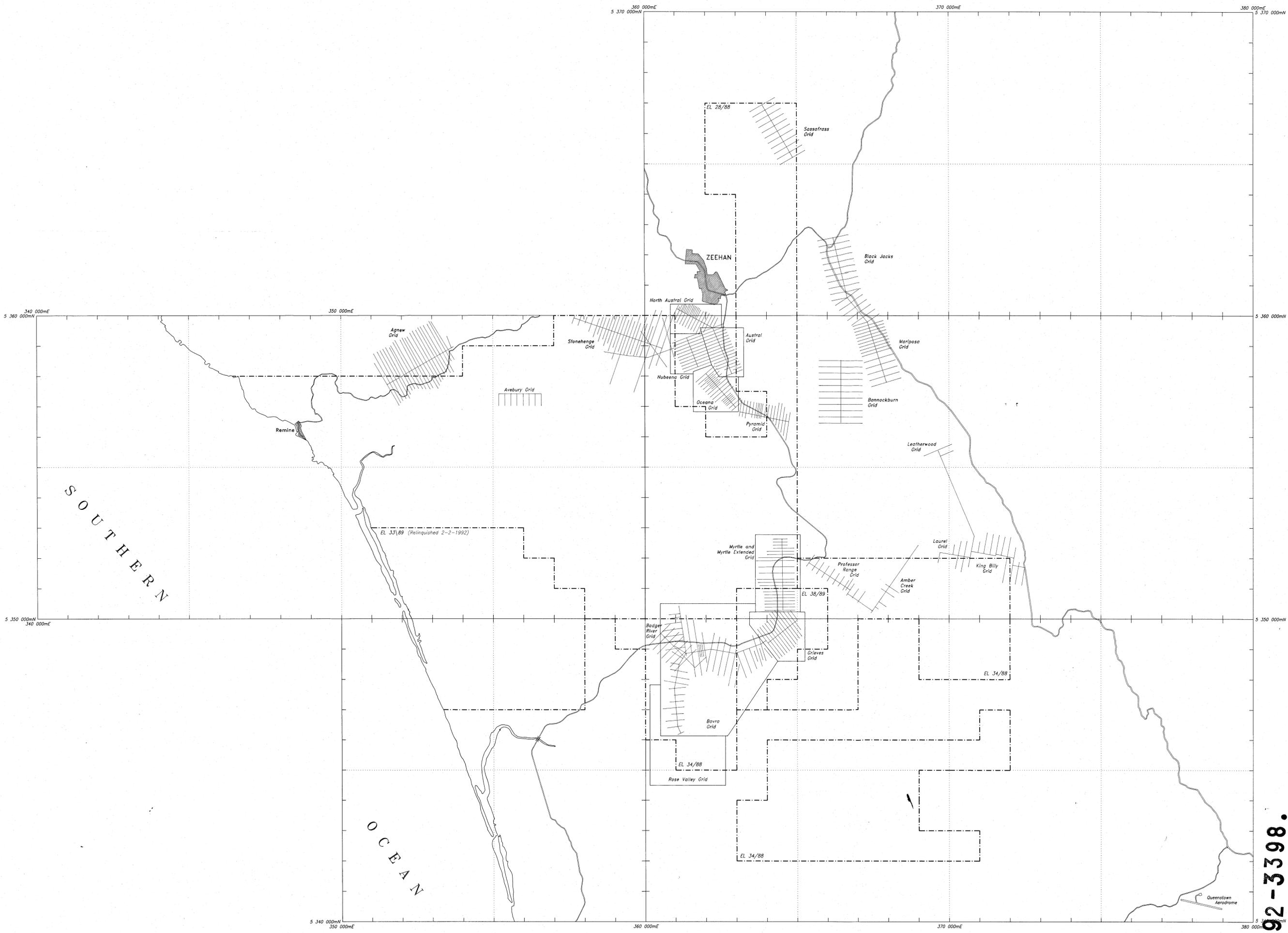
92 - 3398.

92 - 3398.
ZEEHAN JOINT VENTURES
LOCALITY DIAGRAM



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Author: T. Summons	Report No.: 18355
Drawn: R. Traverso	Plan No.: TV 431

Nov. 1991



92-3398.

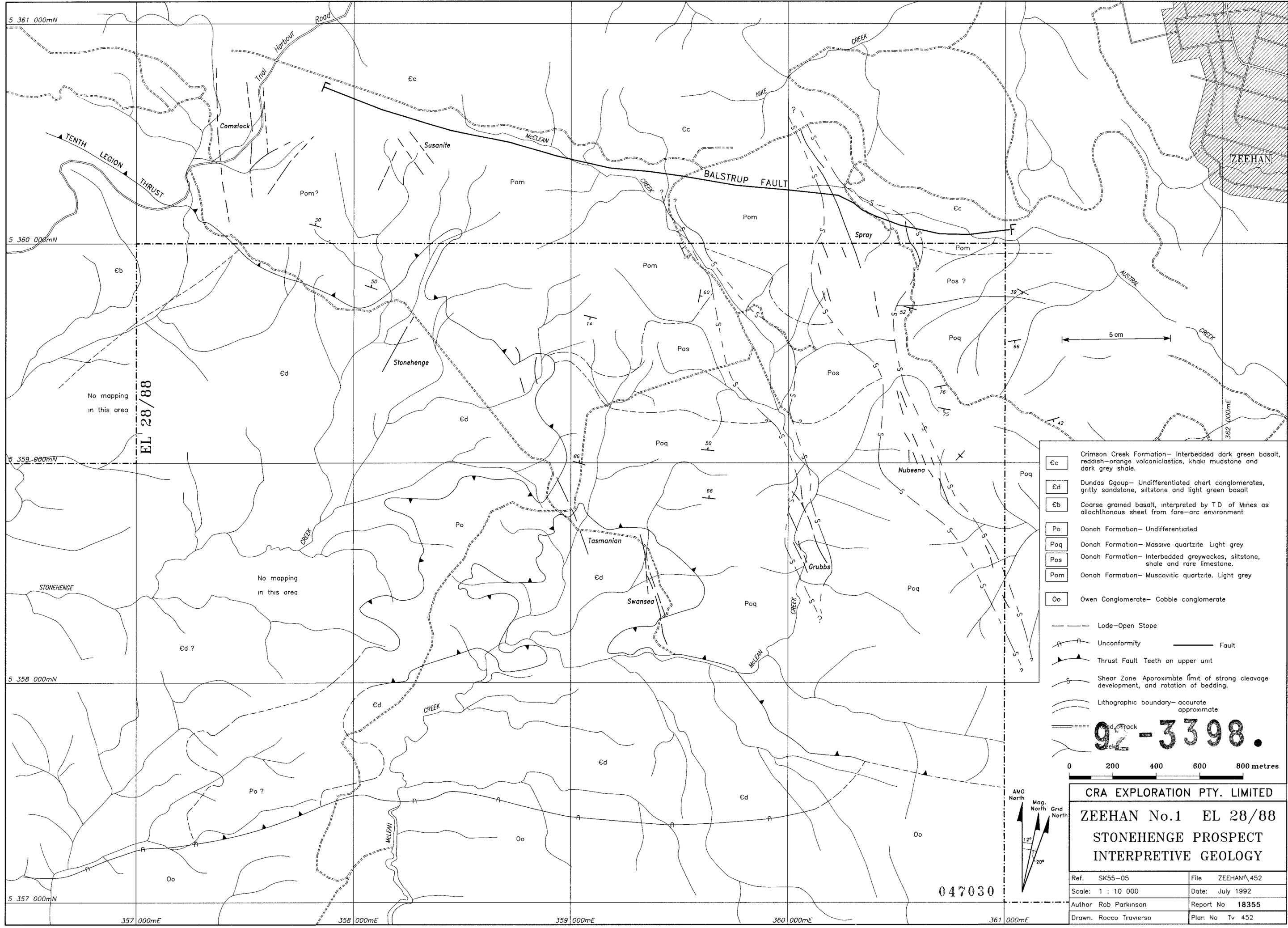
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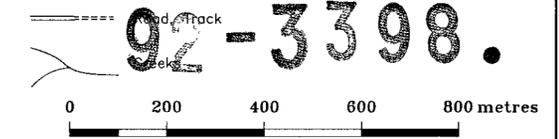


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ZEEHAN AREA	
Western Tasmania	
Grid & Prospect Location Plan	
Ref.: SK55 - 5	File: ZEEHAN/50000
Scale: 1 : 50000	Date: August 1992
Author: T.W. Dickson	Report No.: 18355
Drawn: R. Trovierso	Plan No.: Tv 443



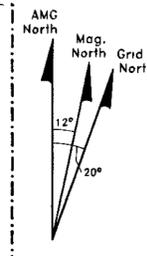
- Ec Crimson Creek Formation— Interbedded dark green basalt, reddish-orange volcanoclastics, khaki mudstone and dark grey shale.
- Ed Dundas Goup— Undifferentiated chert conglomerates, gritty sandstone, siltstone and light green basalt
- Eb Coarse grained basalt, interpreted by TD of Mines as allochthonous sheet from fore-arc environment
- Po Oonah Formation— Undifferentiated
- Poq Oonah Formation— Massive quartzite Light grey
- Pos Oonah Formation— Interbedded greywackes, siltstone, shale and rare limestone.
- Pom Oonah Formation— Muscovitic quartzite. Light grey
- Oo Owen Conglomerate— Cobble conglomerate

- Lode-Open Stope
- Unconformity
- Thrust Fault Teeth on upper unit
- Shear Zone Approximate limit of strong cleavage development, and rotation of bedding.
- Lithographic boundary— accurate
- Lithographic boundary— approximate



CRA EXPLORATION PTY. LIMITED	
ZEEHAN No.1 EL 28/88	
STONEHENGE PROSPECT	
INTERPRETIVE GEOLOGY	
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Scale: 1 : 10 000	Date: July 1992
Author Rob Parkinson	Report No 18355
Drawn. Rocco Traverso	Plan No Tv 452

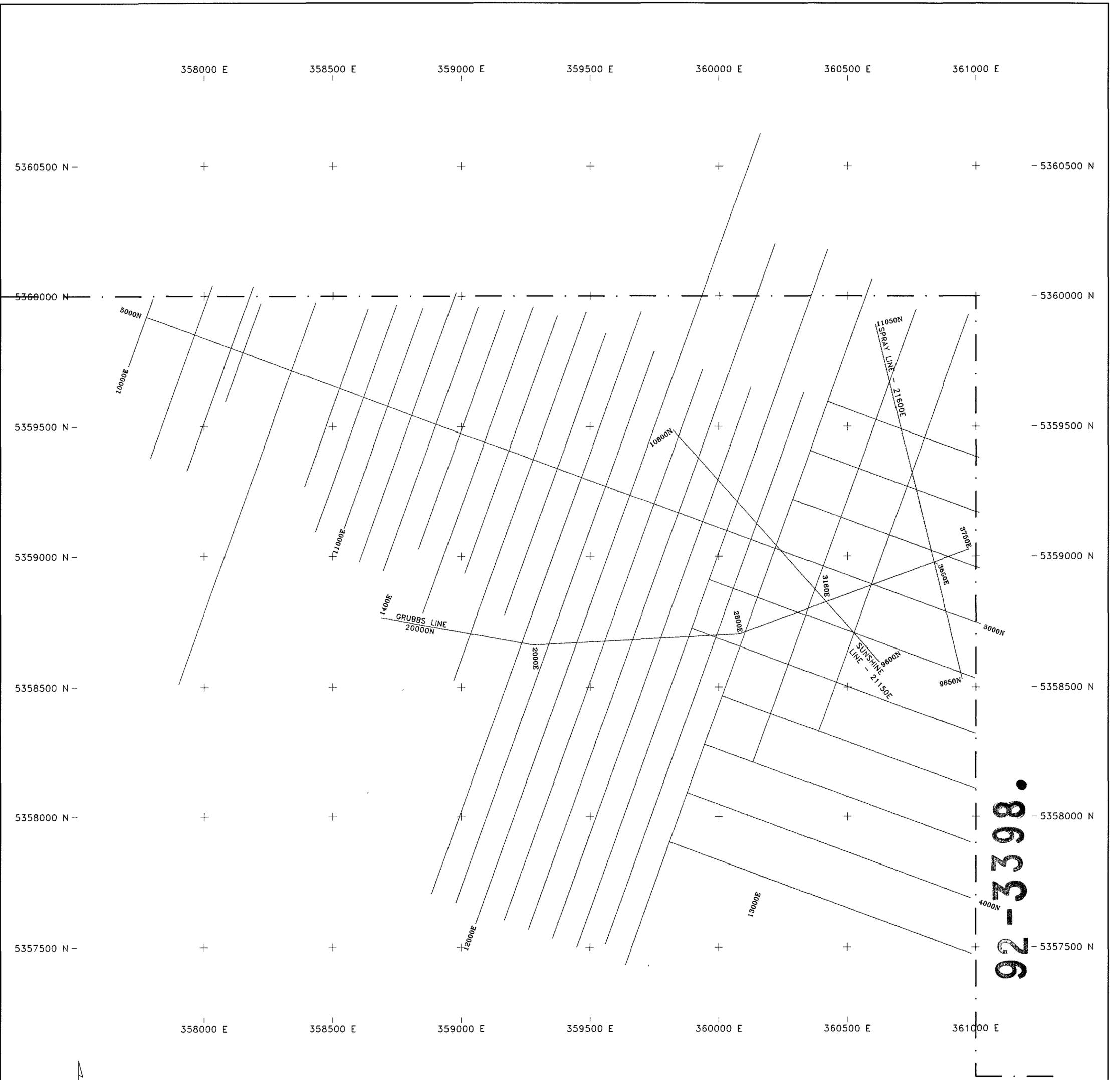
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EL 28/88

No mapping in this area

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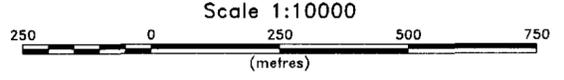


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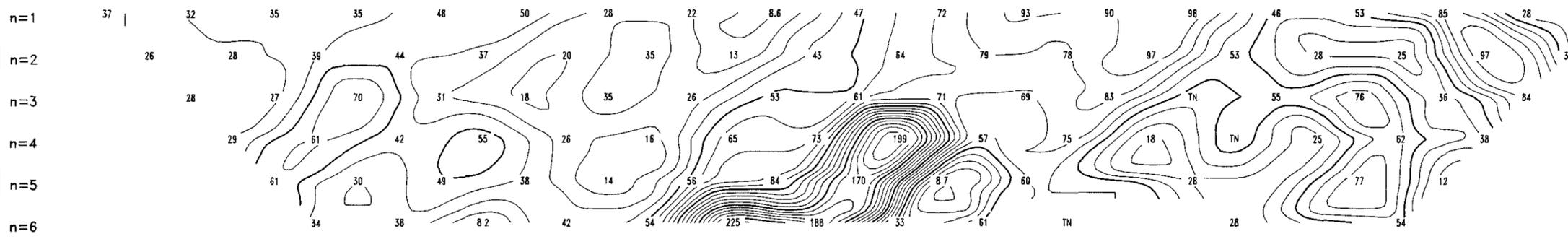
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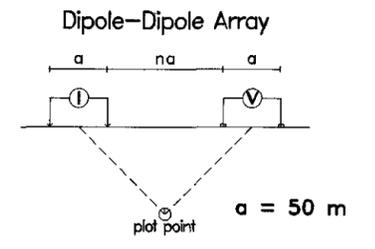
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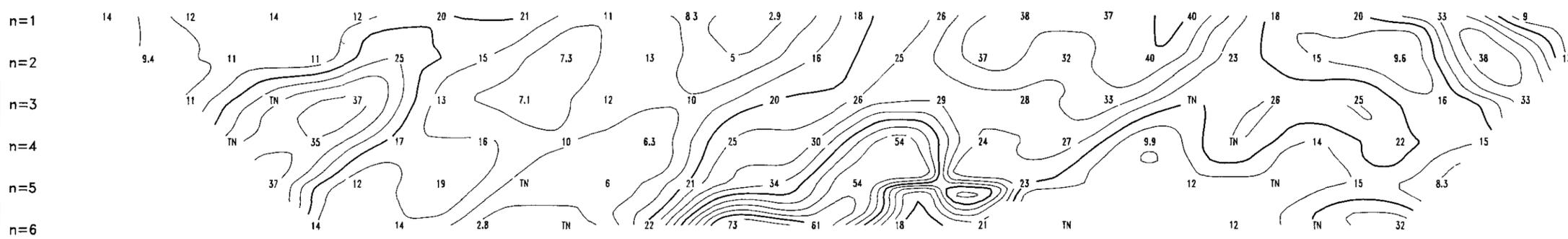
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n=5
n=6

CHARGEABILITY M3
(mV/V)

Line 10900 E



45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N

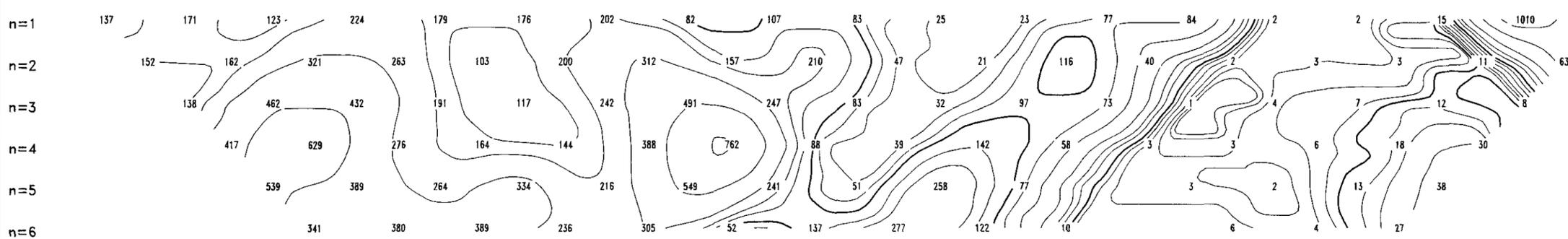


n=1
n=2
n=3
n=4
n=5
n=6

CHARGEABILITY M7
(mV/V)

5 cm

45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N



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

APP. RESISTIVITY
(ohm m)

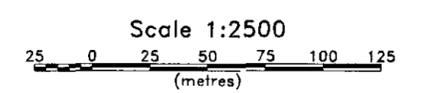
92-3398 • 047032

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
Transmitter type: TSQ-4
Timing: 2s ON/2s OFF
Receiver type: IPR-11
Survey date: MARCH 1992

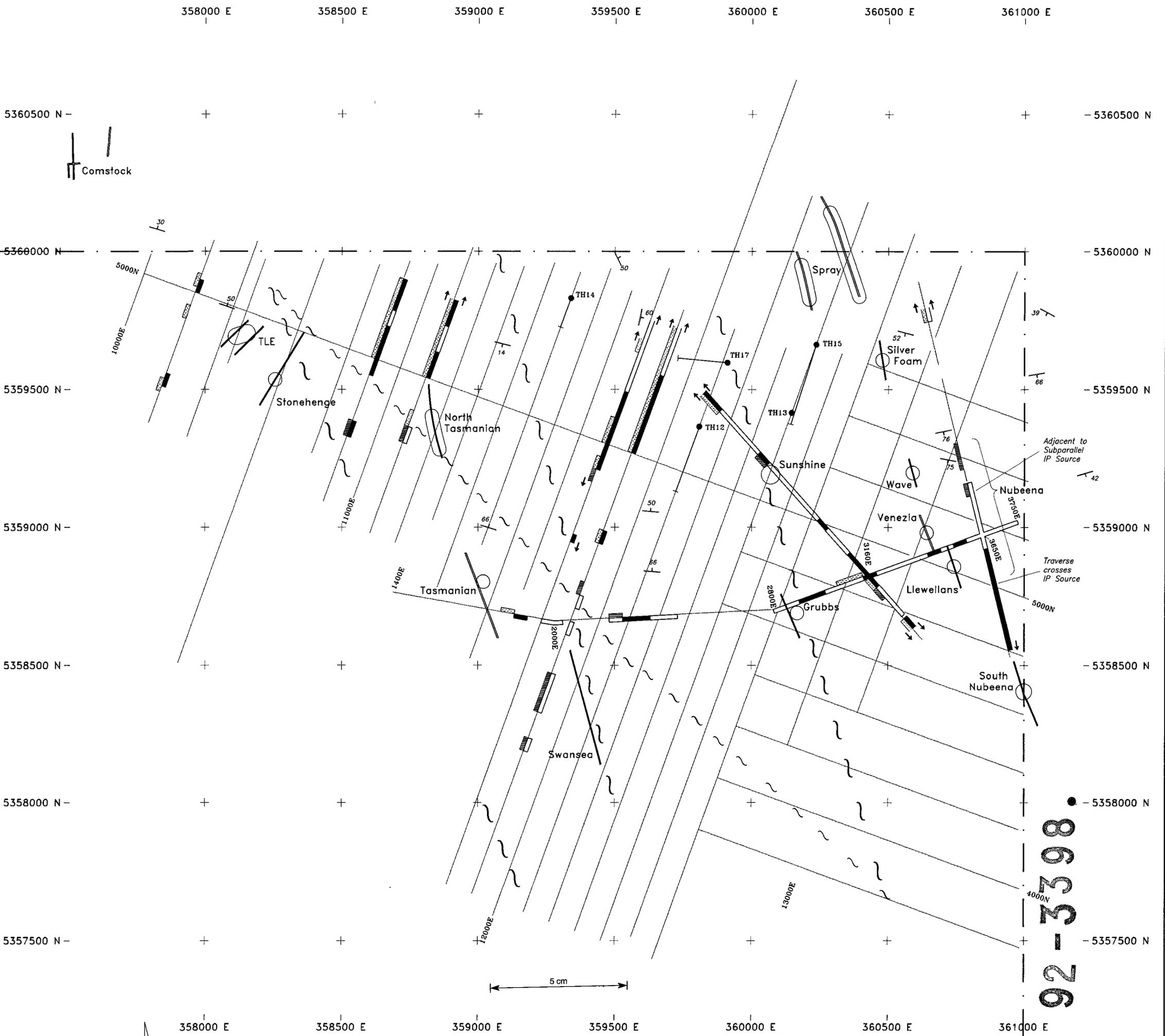
DATA PROCESSING

Chargeability contour interval 5 & 10 mV/V
Apparent Resistivity contour interval LOGARITHMIC
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



GRA EXPLORATION PTY. LIMITED
ZEEHAN No. 1 EL 28/88
STONEHENGE PROSPECT
Line 10900 E
INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\454
GEO: TA	SCALE: 1:2500
DRAWN: TA	REPORT: 18355
DATE: 92/08/04	PLAN: Tv 454



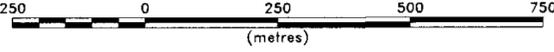
92-3398

047033

CRA EXPLORATION PTY. LIMITED		
ZEEHAN No.1 EL 28/88		
STONEHENGE PROSPECT		
IP AND MAGNETIC INTERPRETATION PLAN		
QUEENSTOWN SK55-05		
GEO: TA	SCALE: 1:10000	REPORT: 18355
DRAWN: TA	DATE: 6/8/92	PLAN: Tv 469

Diurnally corrected magnetic data

Scale 1:10000



MAGNETIC LINEARS

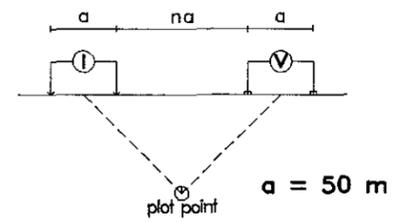
- Parallel to Devonian Vertical Shearing
- Parallel to Tenth Legion Thrust

- local low resistivity zone
- strong chargeability zone
- local high resistivity zone
- weak chargeability zone

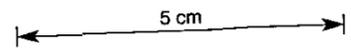
- TH12 RGC Diamond Drill Hole
- Shear Zone
- Old Workings
- Bedrock Dip & Strike

Line 10200 E

Dipole-Dipole Array



047034

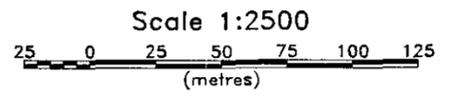


DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

Chargeability contour interval 2 & 5 mV/V
 Apparent Resistivity contour interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

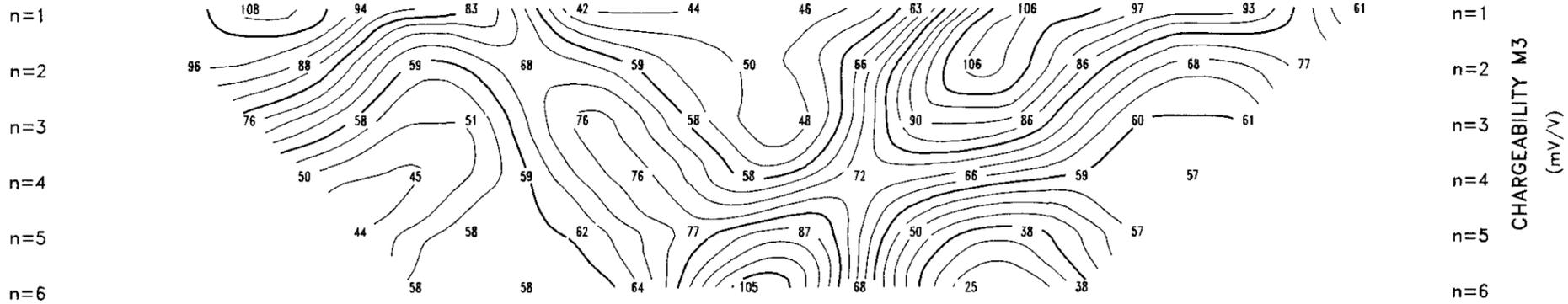


CRA EXPLORATION PTY. LIMITED

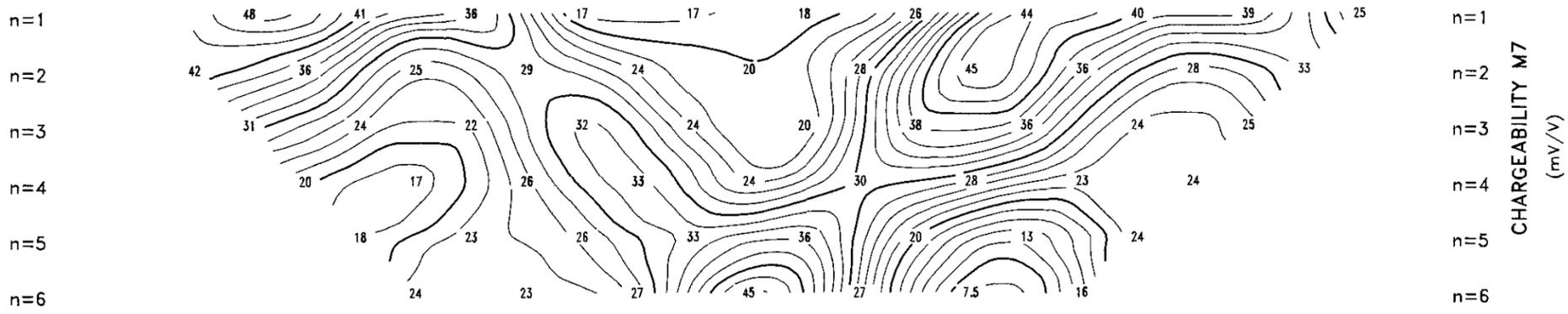
ZEEHAN No. 1 EL 28/88
STONEHENGE PROSPECT
 Line 10200 E
 INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\453
GEO: TA	SCALE: 1:2500
REPORT: 18355	DATE: 92/08/03
DRAWN: TA	PLAN: Tv 453

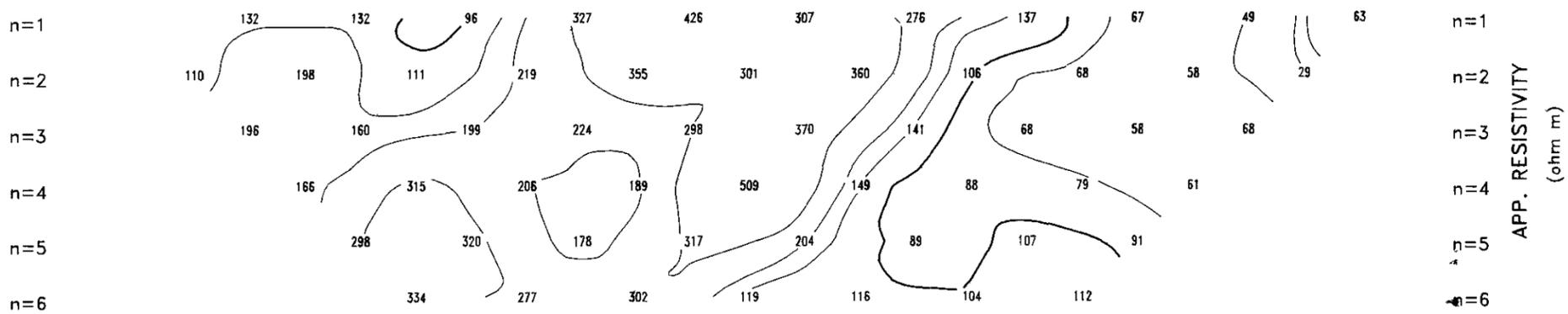
46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N



46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N

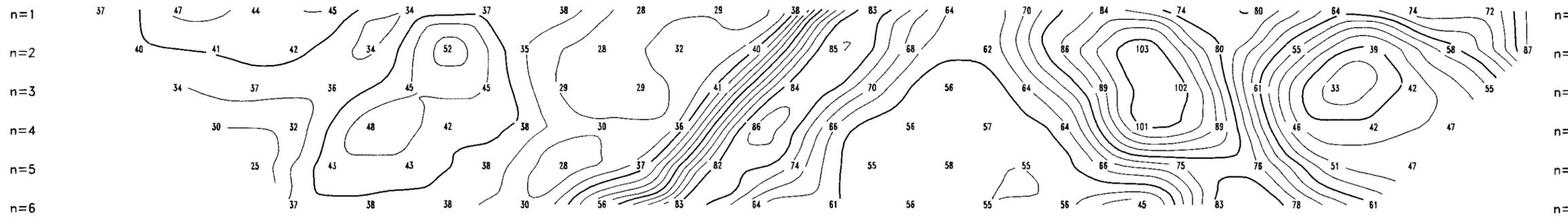


46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N



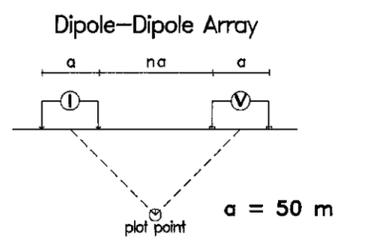
92-3398.

45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N

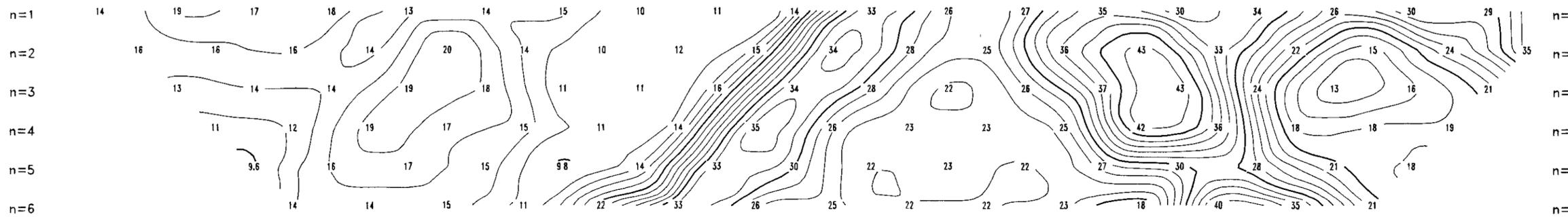


CHARGEABILITY M3
(mV/V)

Line 11100 E

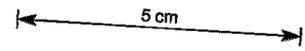


45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N

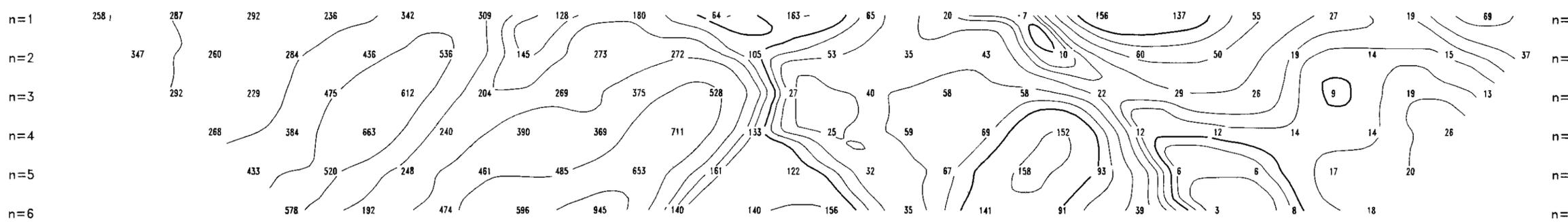


CHARGEABILITY M7
(mV/V)

047035



45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



APP. RESISTIVITY
(ohm m)

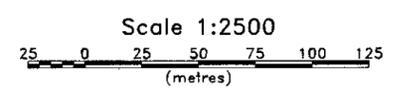
3398

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

Chargeability contour Interval 2 & 5 mV/V
 Apparent Resistivity contour interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

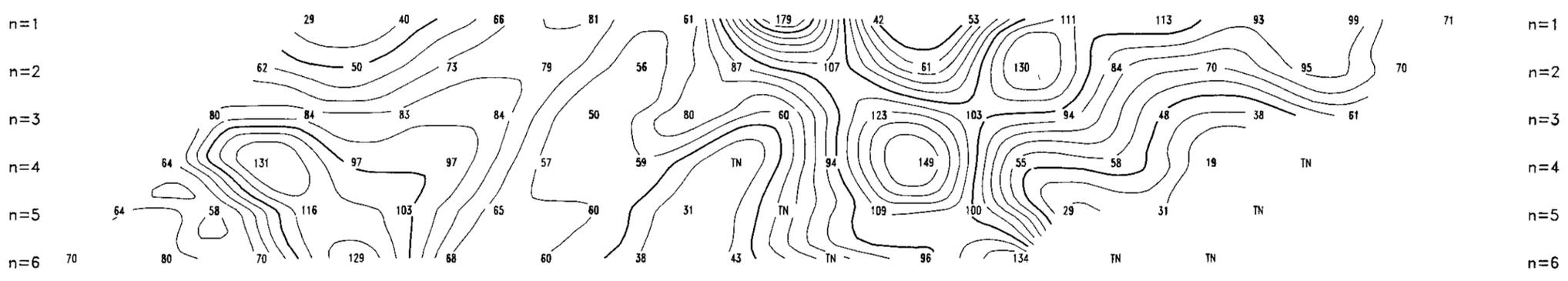


CRA EXPLORATION PTY. LIMITED

ZEEHAN No. 1 EL 28/88
STONEHENGE PROSPECT
 Line 11100 E
 INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\455
GEO: TA	SCALE: 1:2500
DRAWN: TA	REPORT: 18355
DATE: 92/08/04	PLAN: Tv 455

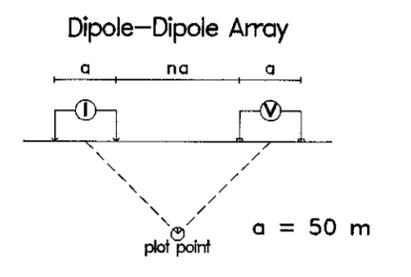
47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



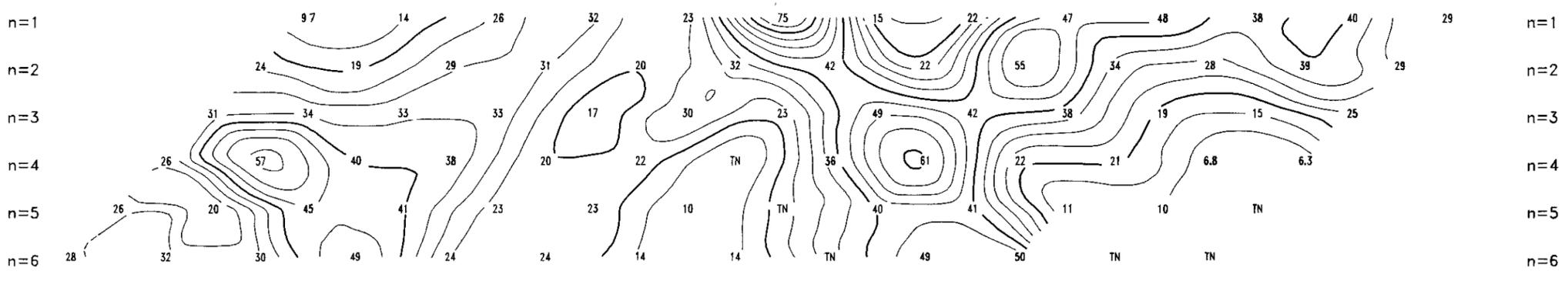
n=1
n=2
n=3
n=4
n=5
n=6

CHARGEABILITY M3
(mV/V)

Line 11900 E



47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N

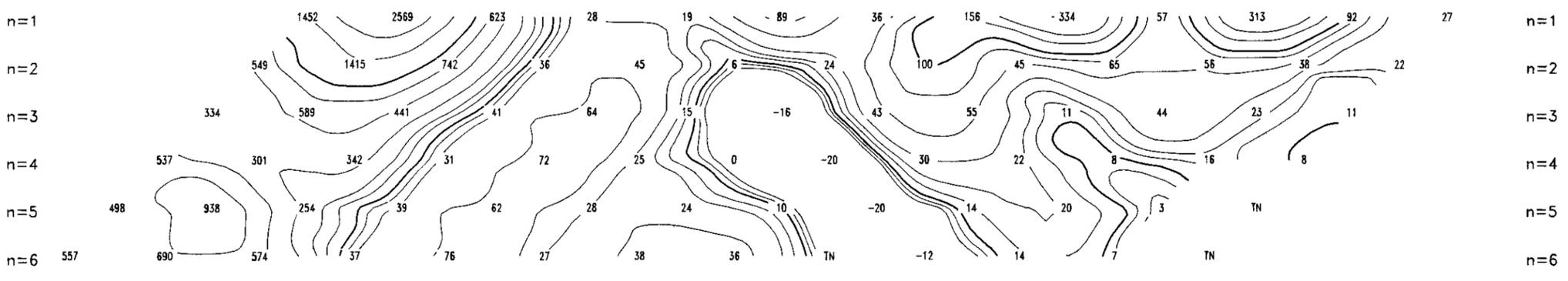


n=1
n=2
n=3
n=4
n=5
n=6

CHARGEABILITY M7
(mV/V)

92-3398 • 047036

47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



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

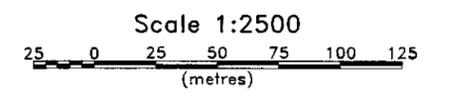
APP. RESISTIVITY
(ohm m)

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

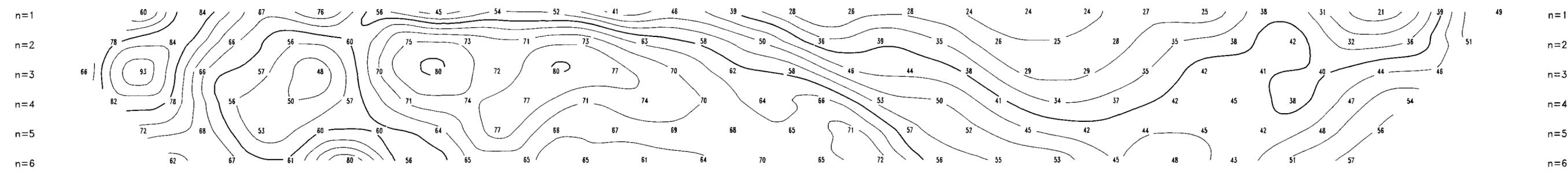
Chargeability contour Interval 5 & 10 mV/V
 Apparent Resistivity contour Interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



CRA EXPLORATION PTY. LIMITED
 ZEEHAN No. 1 EL 28/88
STONEHENGE 4700 - 5500N
 Line 11900 E
 INDUCED POLARISATION SURVEY

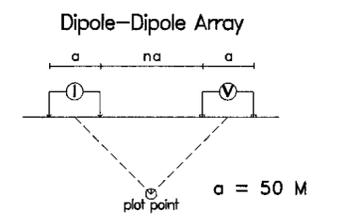
REF:	QUEENSTOWN SK55-05	FILE: Zeehan1\458
GEO:	TA	SCALE: 1:2500
DRAWN:	TA	REPORT: 18355
	DATE: 92/08/05	PLAN: Tv 458

97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N 108+00 N

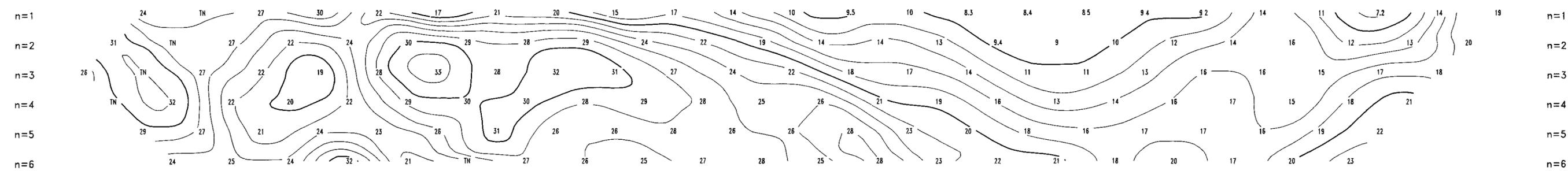


n=1
n=2
n=3
n=4
n=5
n=6

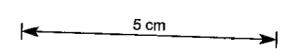
Line 21600 E



97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N 108+00 N



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

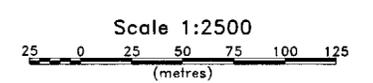


DATA ACQUISITION

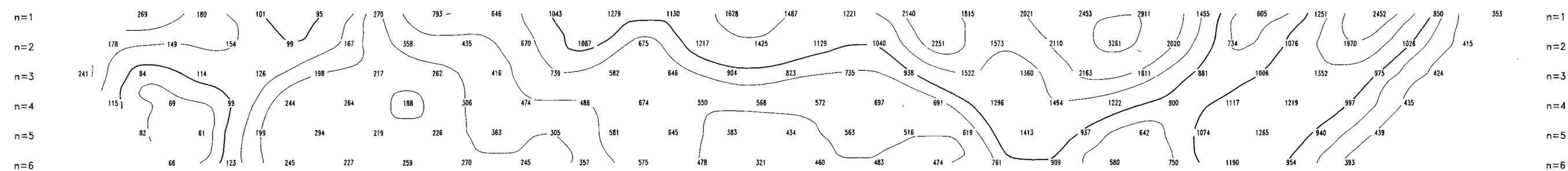
Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-3
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: FEBRUARY 1992

DATA PROCESSING

Chargeability contour Interval 2 & 5 mV/V
 Apparent Resistivity contour Interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N 108+00 N



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

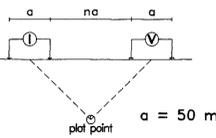
CHARGEABILITY M3 (mV/V) 047037
 CHARGEABILITY M7 (mV/V)
 APP. RESISTIVITY (ohm m) 92-3398

CRA EXPLORATION PTY. LIMITED
 ZEEHAN No.1 EL 28/88
STONEHENGE - SPRAY LINE
 Line 21600 E
 INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\459
GEO: TA	SCALE: 1:2500
DRAWN: TA	DATE: 92/03/03
	REPORT: 18355
	PLAN: Tv 459

Line 20000 N

Dipole-Dipole Array



a = 50 m

5 cm

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSO-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

Chargeability contour interval 2 & 5 mV/V
 Apparent Resistivity contour interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Scale 1:2500

92-3398

CRA EXPLORATION PTY. LIMITED

ZEEHAN No. 1 EL 34/88

STONEHENGE - (GRUBB'S)

Line 20000 N

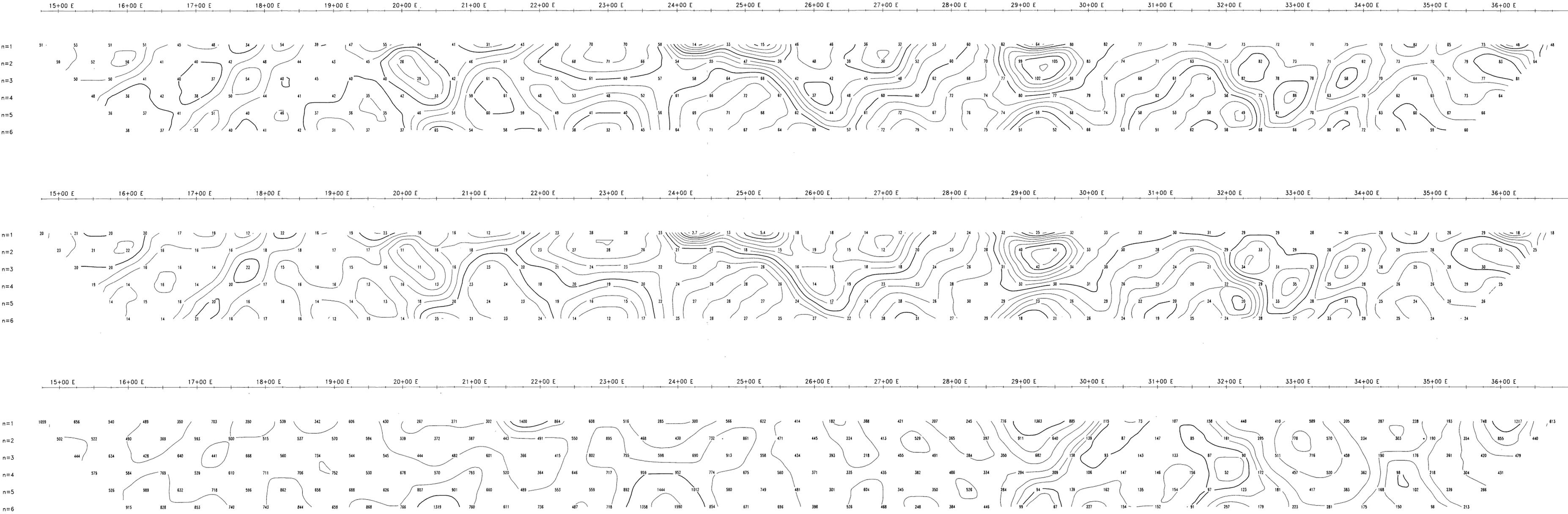
INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05 FILE:

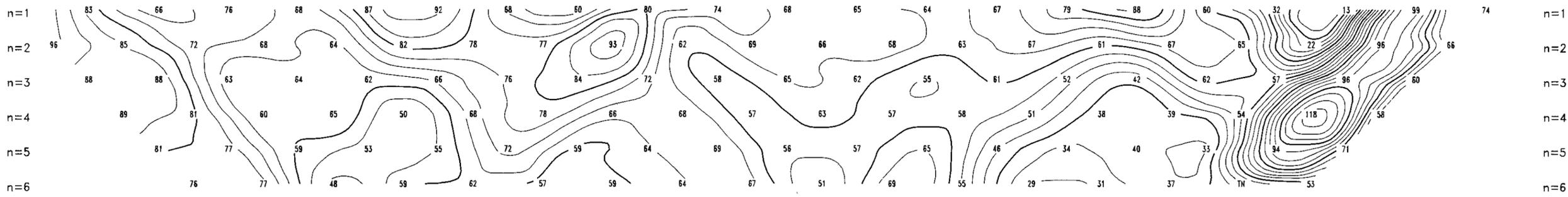
GEO: TA SCALE: 1:2500 REPORT: 18355

DRAWN: TA DATE: 92/08/20 PLAN: Tv 461

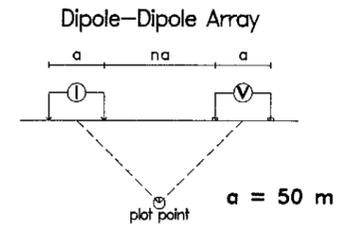
047038



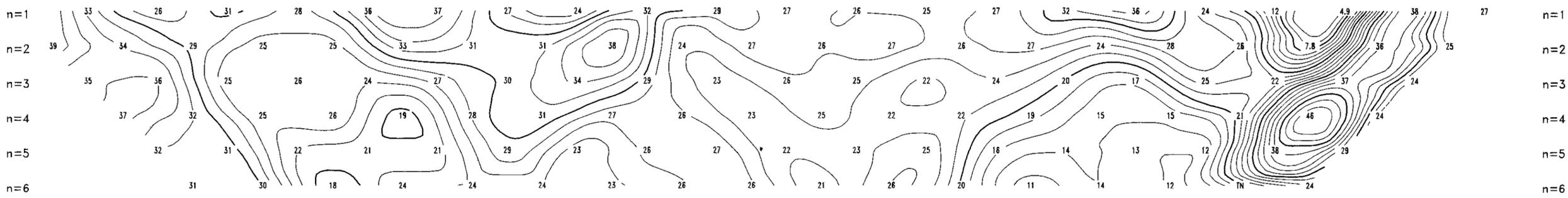
97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N



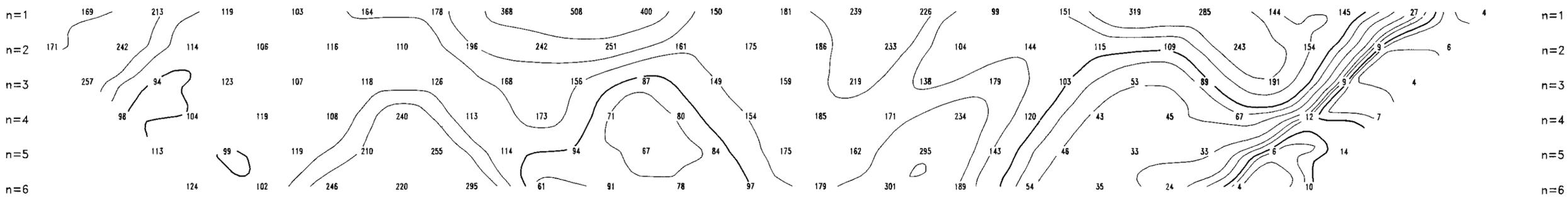
Line 21150 E



97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N



97+00 N 98+00 N 99+00 N 100+00 N 101+00 N 102+00 N 103+00 N 104+00 N 105+00 N 106+00 N 107+00 N



5 cm

CHARGEABILITY M3 (mV/V)

CHARGEABILITY M7 (mV/V)

APP. RESISTIVITY (ohm m)

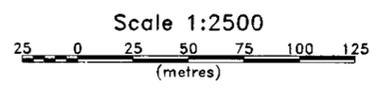
92-3398 047039

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

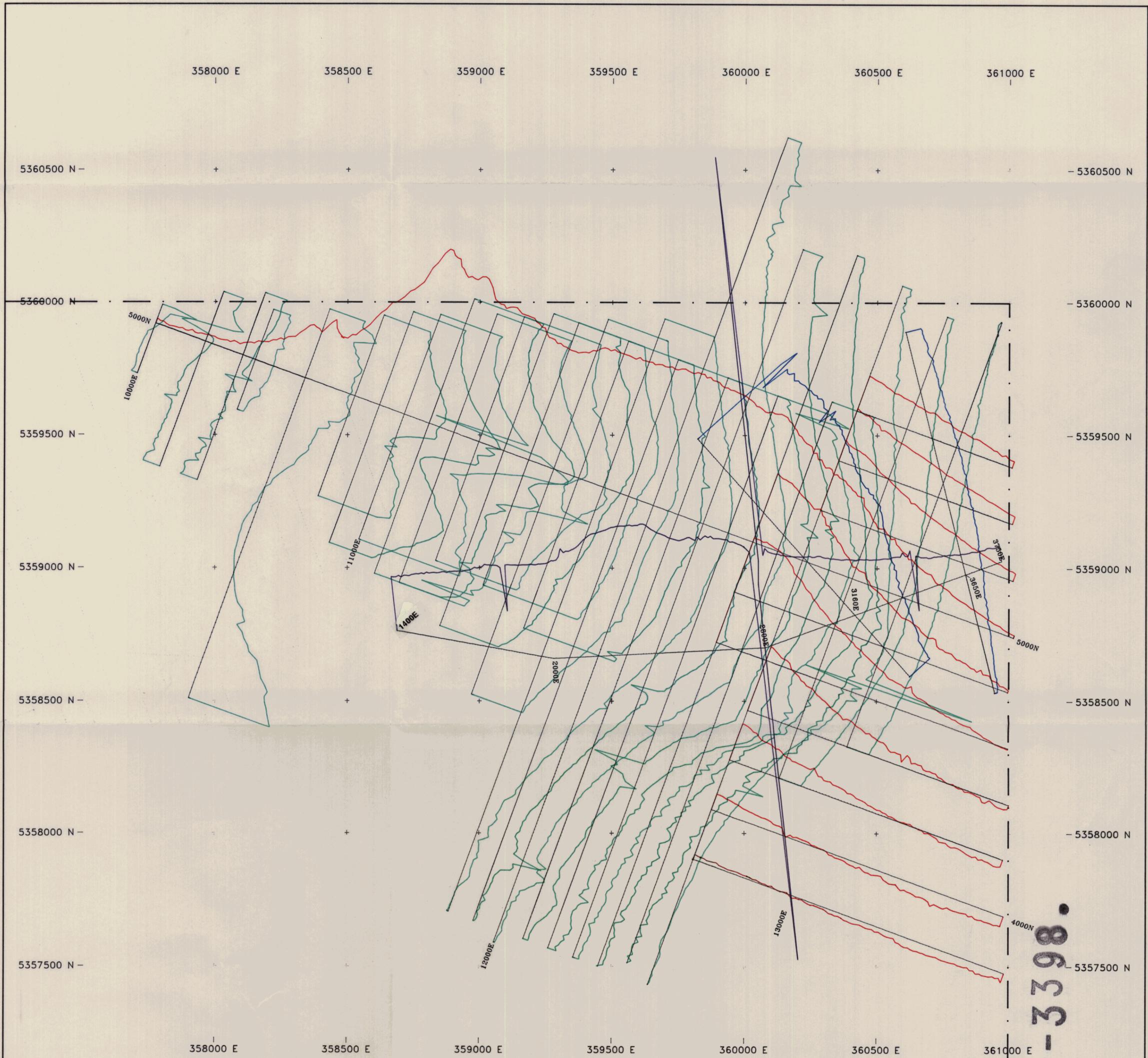
DATA PROCESSING

Chargeability contour Interval 2 & 5 mV/V
 Apparent Resistivity contour Interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



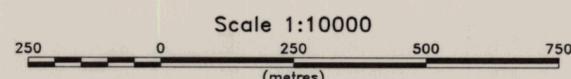
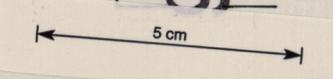
CRA EXPLORATION PTY. LIMITED
 ZEEHAN No. 1 EL 28/88
STONEHENGE (SUNSHINE)
 Line 21150 E
 INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\460
GEO: TA	SCALE: 1:2500
REPORT: 18355	
DRAWN: TA	DATE: 92/08/05
PLAN: Tv 460	



92-3398.

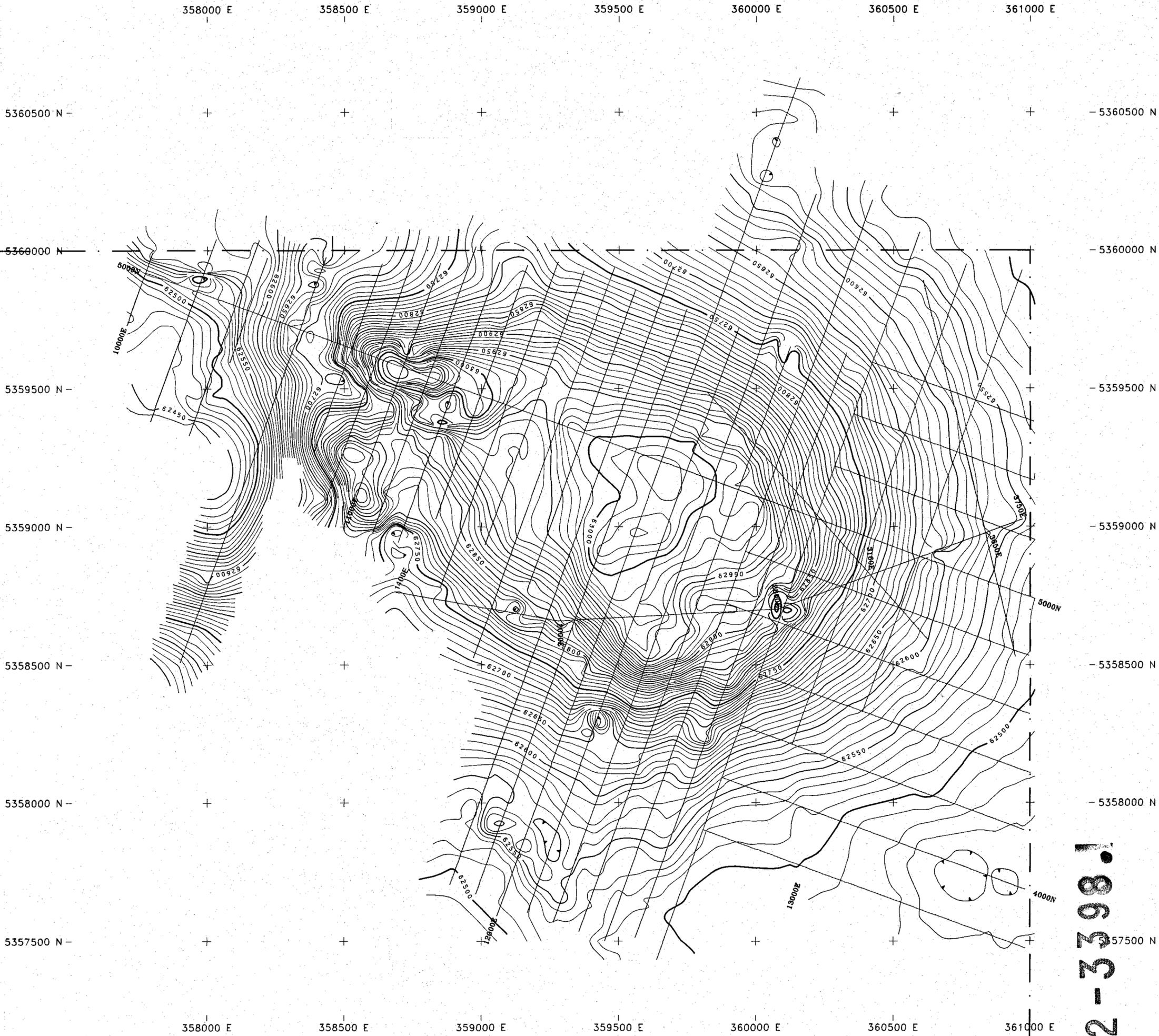
Vertical scale 50 nT/cm
Base level 62500 nT



Diurnally corrected magnetic data

047040

CRA EXPLORATION PTY. LIMITED		
ZEEHAN No.1 EL 28/88		
STONEHENGE PROSPECT		
GROUND MAGNETIC STACKED PROFILES		
QUEENSTOWN SK55-05		
GEO:	TA	SCALE: 1:10000
REPORT:	18355	
DRAWN:	TA	DATE: 6/8/92
PLAN:	Tv 470	



5 cm

Scale 1:10000
250 0 250 500 750
(metres)

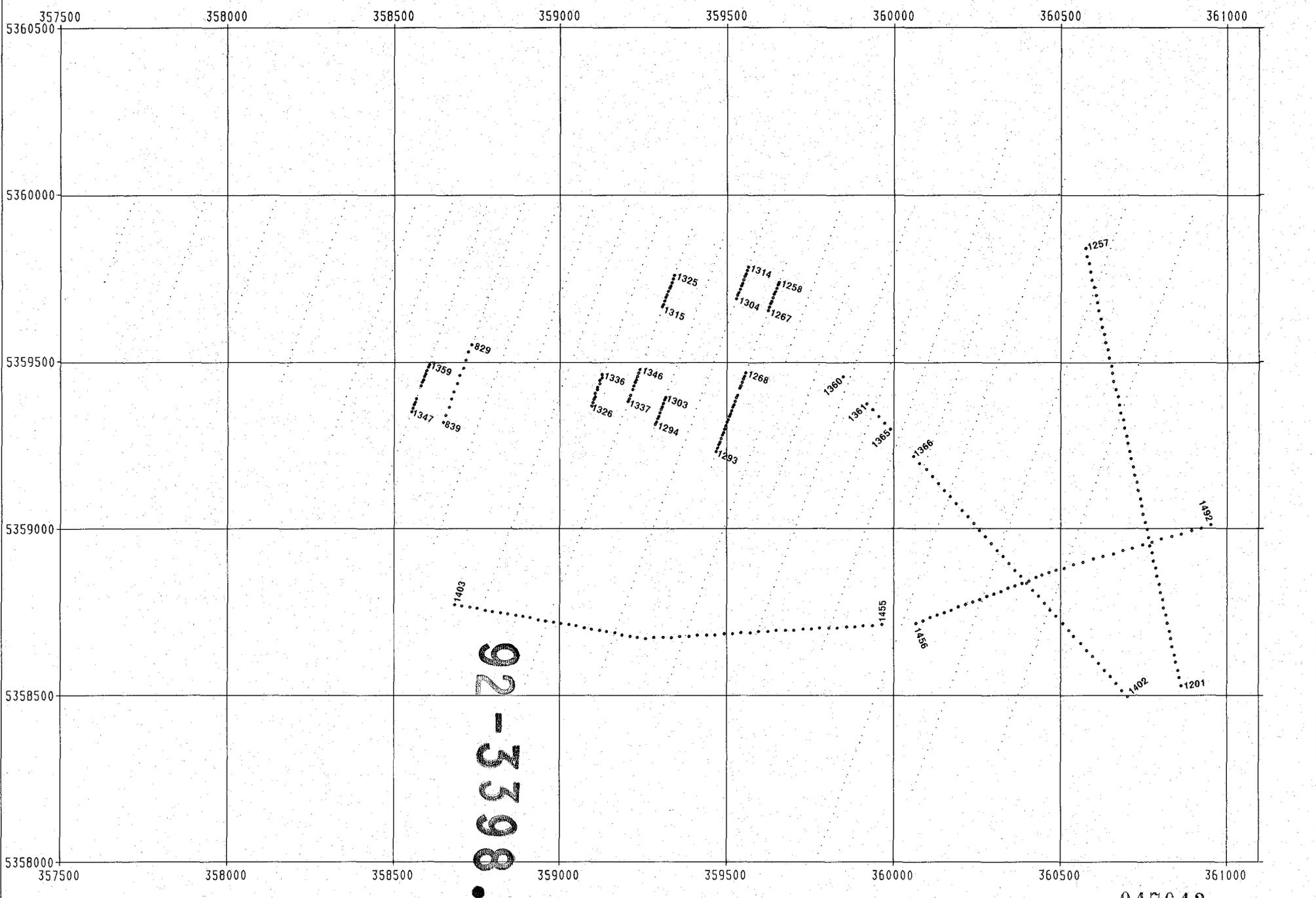
Contour interval 10 nT

92-3398!

047041

Diurnally corrected magnetic data

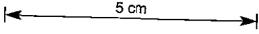
CRA EXPLORATION PTY. LIMITED		
ZEEHAN No.1 EL 28/88		
STONEHENGE PROSPECT		
GROUND MAGNETIC CONTOURS		
QUEENSTOWN SK55-05		
GEO:	TA	SCALE: 1:10000
DRAWN:	TA	REPORT: 18355
		DATE: 6/8/92
		PLAN: Tv 471



92-3398

0-0 0-0 0-0 0-0
 0-0 0-0 0-0 0-1 + +1

047042



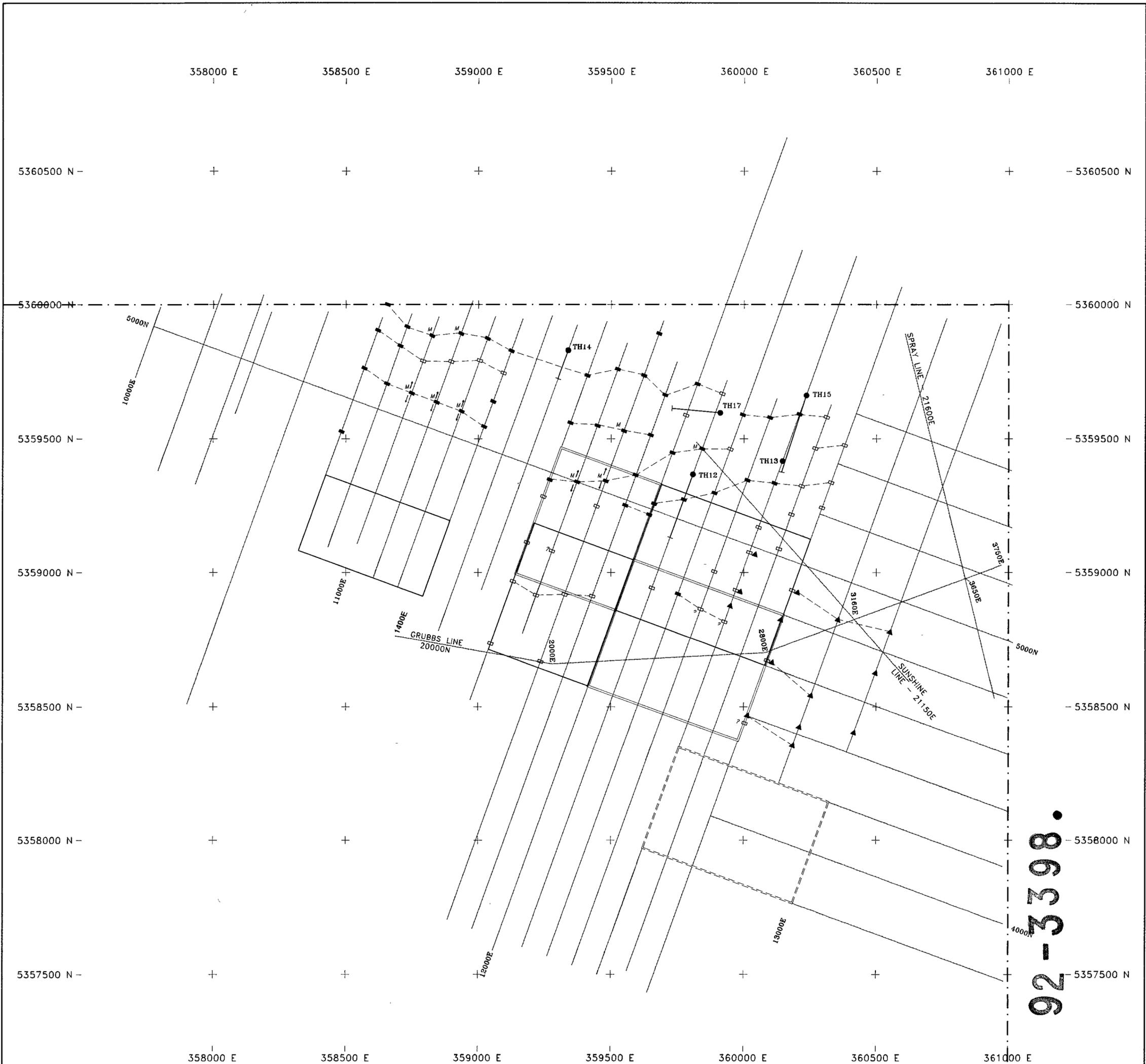
4 Digit numbers prefixed 319
 3 Digit numbers prefixed 3307

LARGE DOTS = CRAE SAMPLES



100m

"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - STONEHENGE PROSPECT		
CRAE/RGC SOIL SAMPLE LOCATION		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv479



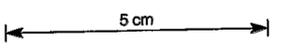
92-3398

EM 37 INTERPRETATION

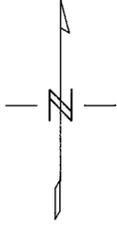
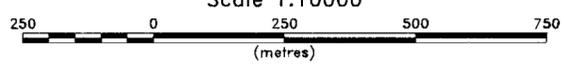
- ANOMALY
6-13
(Channels on which anomaly is recognised)
- LOW AMPLITUDE ANOMALY
11-20
- ◇ POSSIBLE ANOMALY
- M STRONG MIGRATION
- EXTENT OF MIGRATION
- EM LOOPS

UTEM INTERPRETATION

- ▲ ANOMALY
6-13
(Channels on which anomaly is recognised)
- UTEM LOOP



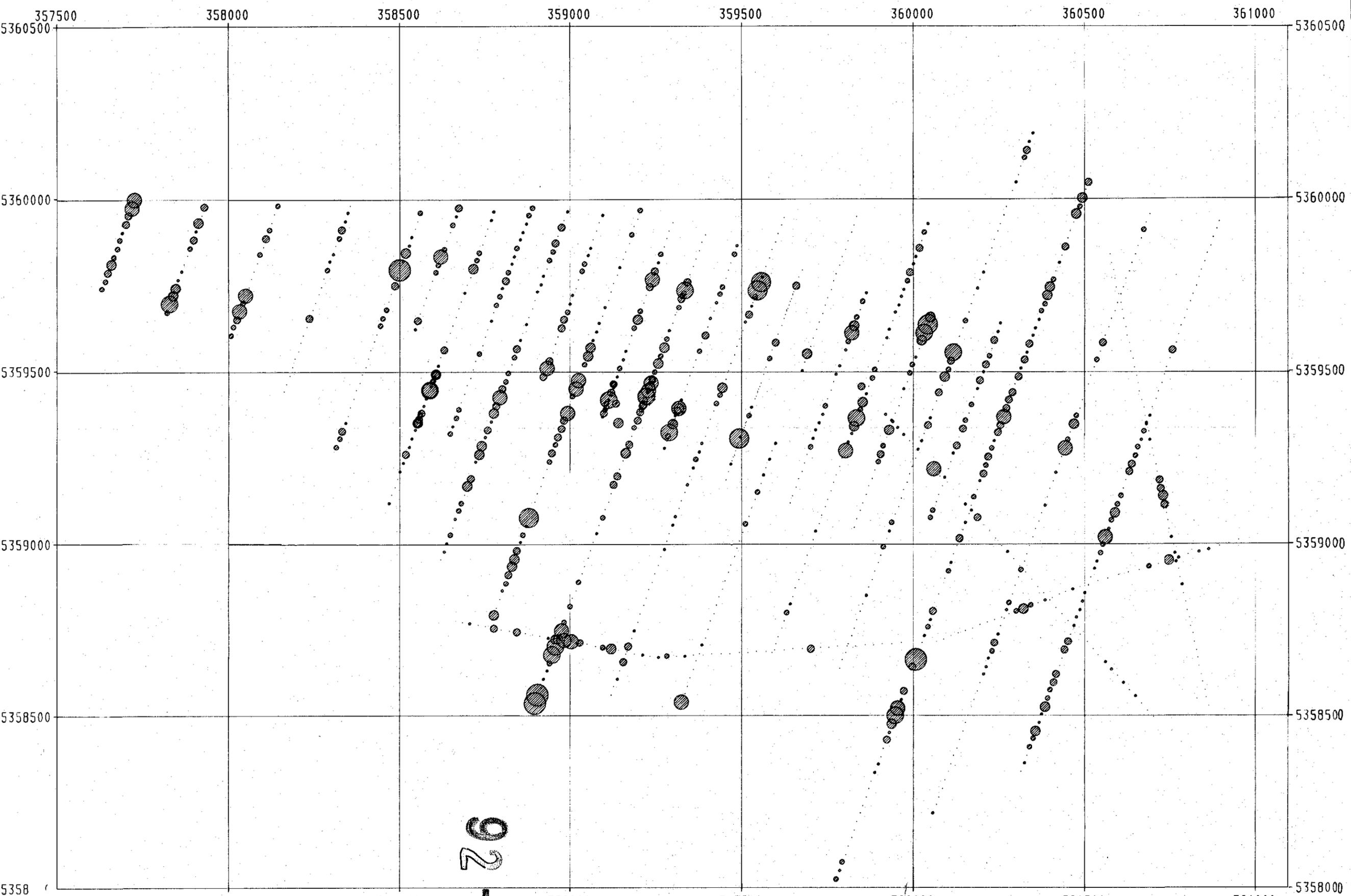
Scale 1:10000



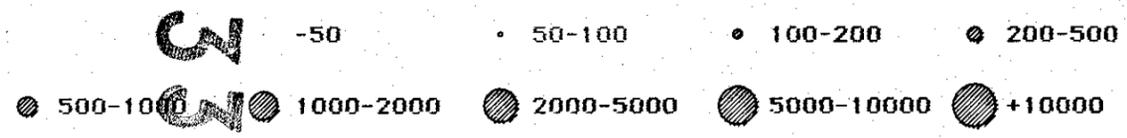
Diurnally corrected magnetic data

047043

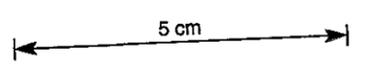
CRA EXPLORATION PTY. LIMITED		
ZEEHAN No.1 EL 28/88		
STONEHENGE PROSPECT		
EM INTERPRETATION PLAN		
QUEENSTOWN SK55-05		
GEO: TA	SCALE: 1:10000	REPORT: 18355
DRAWN: TA	DATE: 6/8/92	PLAN: Tv 477



92-3798



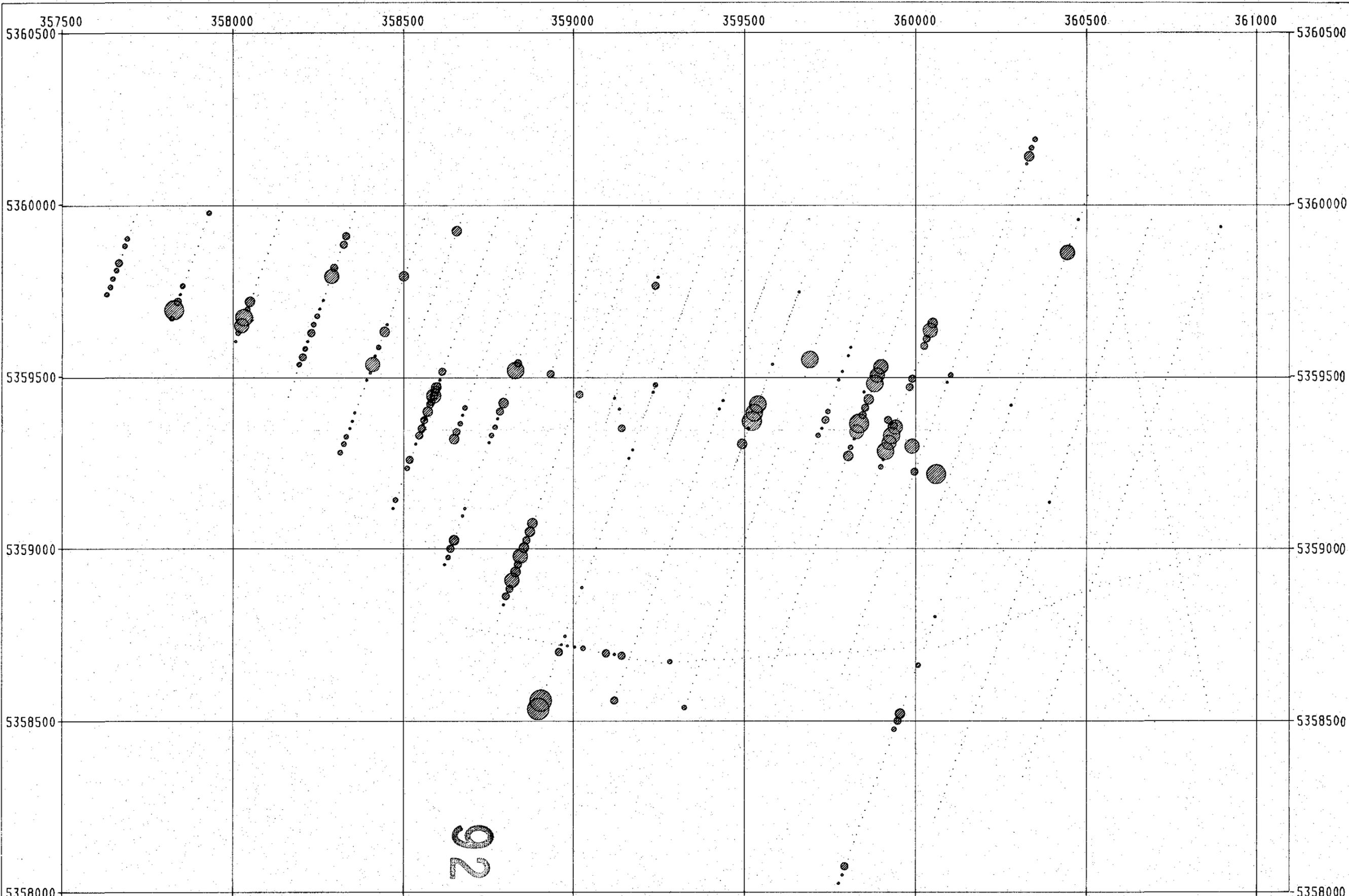
047044



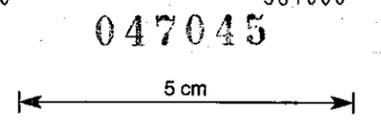
"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - STONEHENGE PROSPECT		
SOIL GEOCHEMISTRY - LEAD ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv481

CRAE AND RGC C-HORIZON SOIL DATA





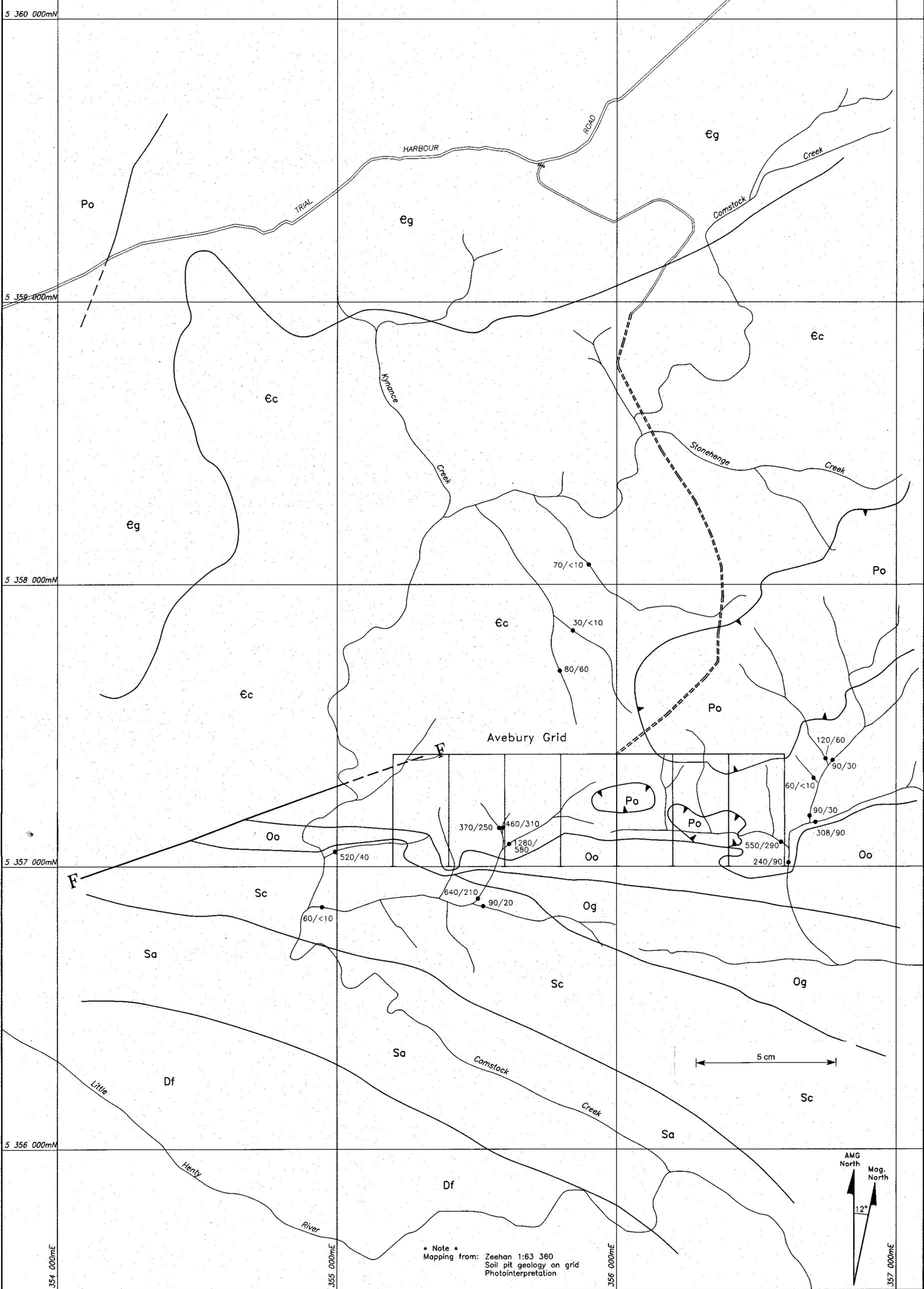
- -50
- 50-100
- 100-200
- 200-500
- 500-1000
- 1000-2000
- 2000-5000
- 5000-10000
- +10000



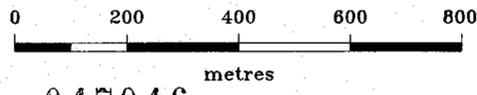
CRAE AND RGC C-HORIZON SOIL DATA



"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - STONEHENGE PROSPECT		
SOIL GEOCHEMISTRY - ZINC ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv480



92-3398.



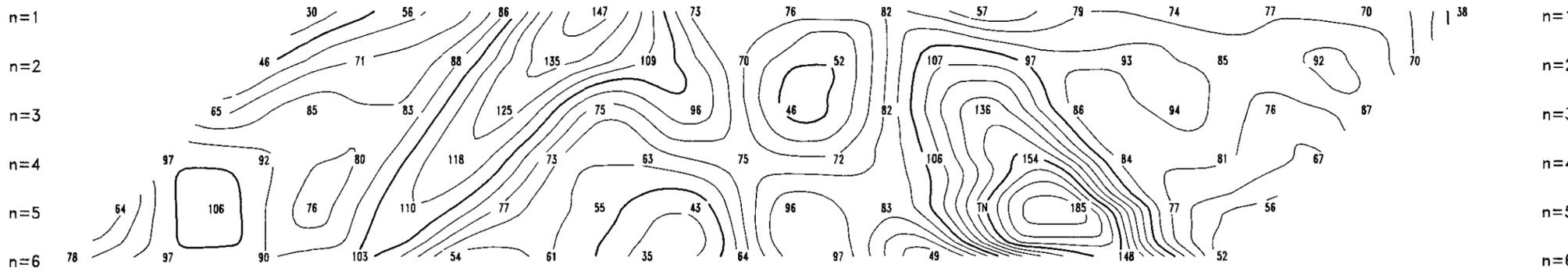
047046

- DEVONIAN:
- Df Florence Quartzite
- SILURIAN:
- Sa Amber Formation
- Sc Crotty Quartzite
- ORDOVICIAN:
- Og Gordon Limestone
- Oo Owen Conglomerate
- CAMBRIAN:
- Eg Gabbro/basalt
- Ec Crimson Creek Formation
- PROTEROZOIC:
- Po Oonah Formation

- Road
- Walking Track
- Creek
- Grid Line
- Lithological Contact
- Fault
- Thrust (teeth on upper side).
- RGC -80# SS sample location with Zn/Pb assays (only relevant samples shown)

CRA EXPLORATION PTY. LIMITED	
ZEEHAN No.1 EL 28/88	
Avebury Prospect	
Geological Plan	
Ref.: Queenstown SK55 - 5	File: ZEEHAN1\472
Scale: 1 : 10000	Date: August 1992
Author: ROB PARKINSON	Report No.: 18355
Drawn: Rocco Traverso	Plan No.: Tv 472

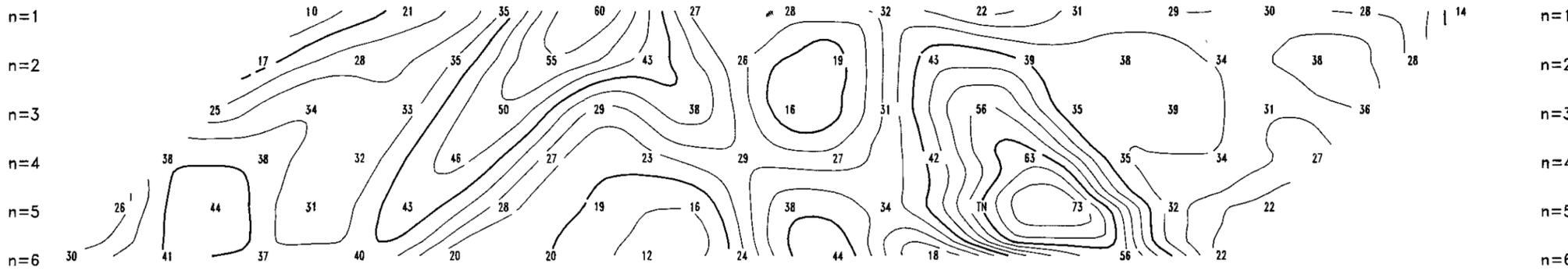
47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



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

CHARGEABILITY M3 (mV/V)

47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N

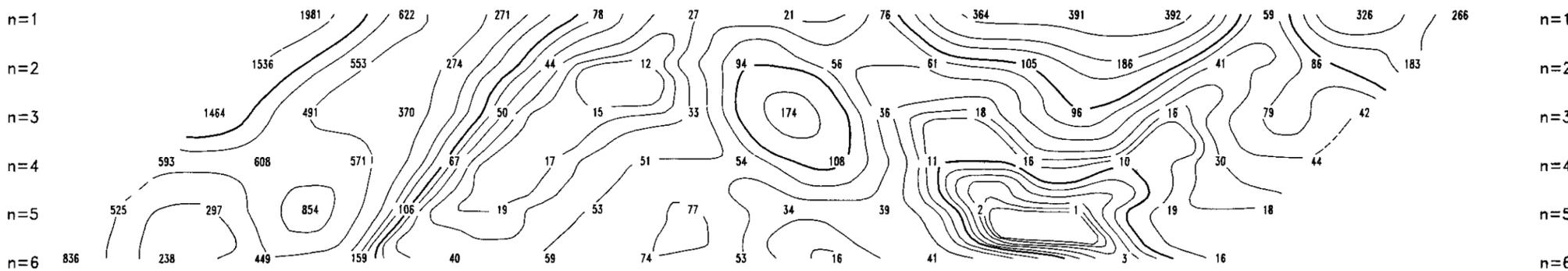


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n=3
n=4
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n=6

CHARGEABILITY M7 (mV/V)

5 cm

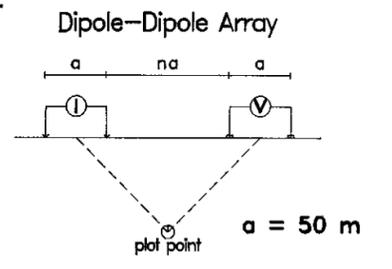
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n=1
n=2
n=3
n=4
n=5
n=6

APP. RESISTIVITY (ohm.m)

Line 11800 E

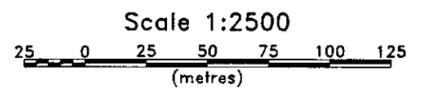


DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-4
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

Chargeability contour Interval 5 & 10 mV/V
 Apparent Resistivity contour interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

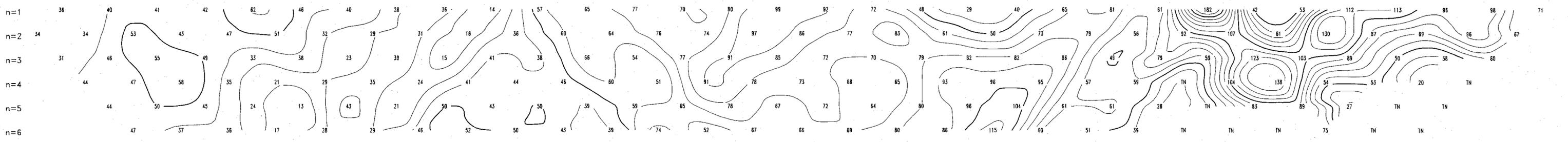


047047
 3398
 99

CRA EXPLORATION PTY. LIMITED
 ZEEHAN No. 1 EL 28/88
STONEHENGE PROSPECT
 Line 11800 E
 INDUCED POLARISATION SURVEY

REF: QUEENSTOWN SK55-05	FILE: Zeehan1\456
GEO: TA	SCALE: 1:2500
DRAWN: TA	REPORT: 18355
	DATE: 92/08/04
	PLAN: Tv 456

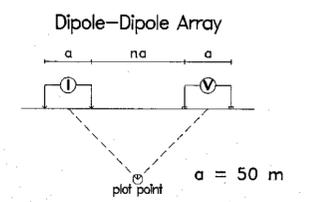
39+00 N 40+00 N 41+00 N 42+00 N 43+00 N 44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



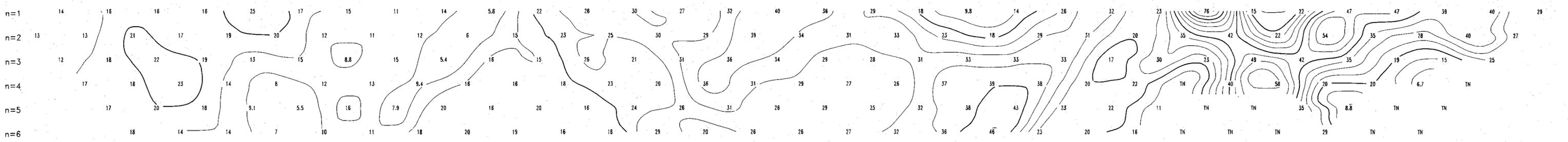
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n=2
n=3
n=4
n=5
n=6

CHARGEABILITY M3
(mV/V)

Line 11900 E

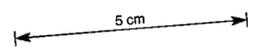


39+00 N 40+00 N 41+00 N 42+00 N 43+00 N 44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N

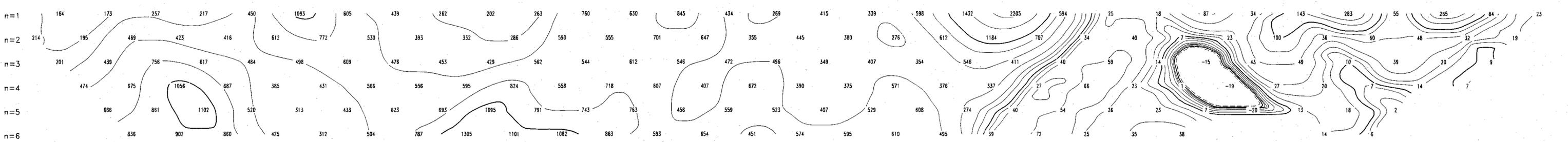


n=1
n=2
n=3
n=4
n=5
n=6

CHARGEABILITY M7
(mV/V)



39+00 N 40+00 N 41+00 N 42+00 N 43+00 N 44+00 N 45+00 N 46+00 N 47+00 N 48+00 N 49+00 N 50+00 N 51+00 N 52+00 N 53+00 N 54+00 N



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n=3
n=4
n=5
n=6

APP. RESISTIVITY
(ohm m)

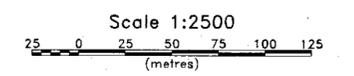
APP. RESISTIVITY (ohm m) 92-3398.047048

DATA ACQUISITION

Contractor: SCINTREX PTY. LTD.
 Transmitter type: TSQ-3
 Timing: 2s ON/2s OFF
 Receiver type: IPR-11
 Survey date: MARCH 1992

DATA PROCESSING

Chargeability contour Interval 5 & 10 mV/V
 Apparent Resistivity contour interval LOGARITHMIC
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...



CRA EXPLORATION PTY. LIMITED		
ZEEHAN No. 1 EL 28/88		
STONEHENGE 3750 - 5500N		
Line 11900 E		
INDUCED POLARISATION SURVEY		
REF: QUEENSTOWN SK55-05	FILE: Zeehan1\457	
GEO: TA	SCALE: 1:2500	REPORT: 18355
DRAWN: TA	DATE: 92/08/04	PLAN: Tv 457

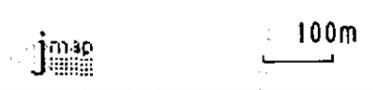
Tv 483

355000	35550	356000	356500	357000				
5358000				5358000				
5357500				5357500				
	. 65 . 38 . 150 . 430 . 37 . 185 . 6 . 79 . 61 . 74 . 135 . 65 . 110 . 190 . 155 . 55 166	. 135 . 485 . 500 . 58 . 94 . 150 . 60 . 27 . 120 . 110 . 94 . 105 . 90 . 160 . 275 . 345 4	. 22 . 29 . 345 . 205 . 120 . 130 . 120 . 875 . 235 . 185 . 395 . 260 . 77 . 140 . 600 . 380 170	. 330 . 140 . 320 . 330 . 200 . 260 . 325 . 435 . 1150 . 550 . 385 . 160 . 140 . 15 . 5 . 47 8	90 270 125 120 100 75 53 115 76 105 145 220 105 315 3 21 26	. 60 . 79 . 66 . 48 . 115 . 43 . 99 . 195 . 81 . 81 . 220 . 97 . 20 . 7 . -2 . 17 12	. 5 . 2 . 86 . 22 . 38 . 105 . 81 . 110 . 51 . 110 . 175 . 82 . 14 . 110 . 38 . 17 36	. 245 . 72 . 40 . 40 . 51 . 37 . 230 . 120 . 225 . 56 . 285 . 345 . 53 . 580 . 29 . 6 6
5357000				5357000				
5356500				5356500				
35500	35550'	356000	356500	357000				

047050

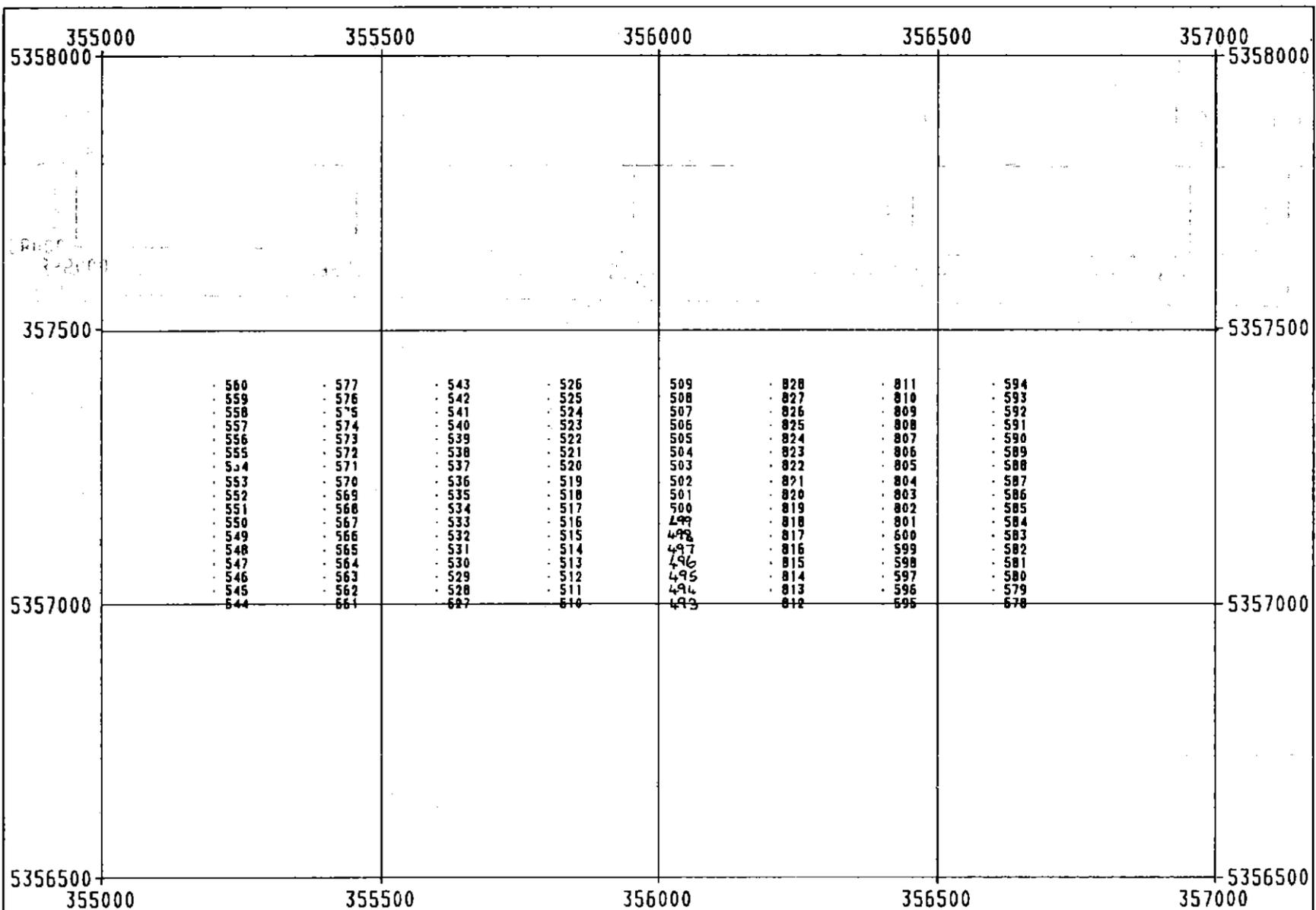
"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - AVEBURY PROSPECT		
SOIL GEOCHEMISTRY - ZINC ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv 483

CRAE C-HORIZON SOIL DATA



92-3308

Tv 482



5 cm

047051

SAMPLES 493-600 PREFIXED 3191---. 801-828 PREFIXED 3307---

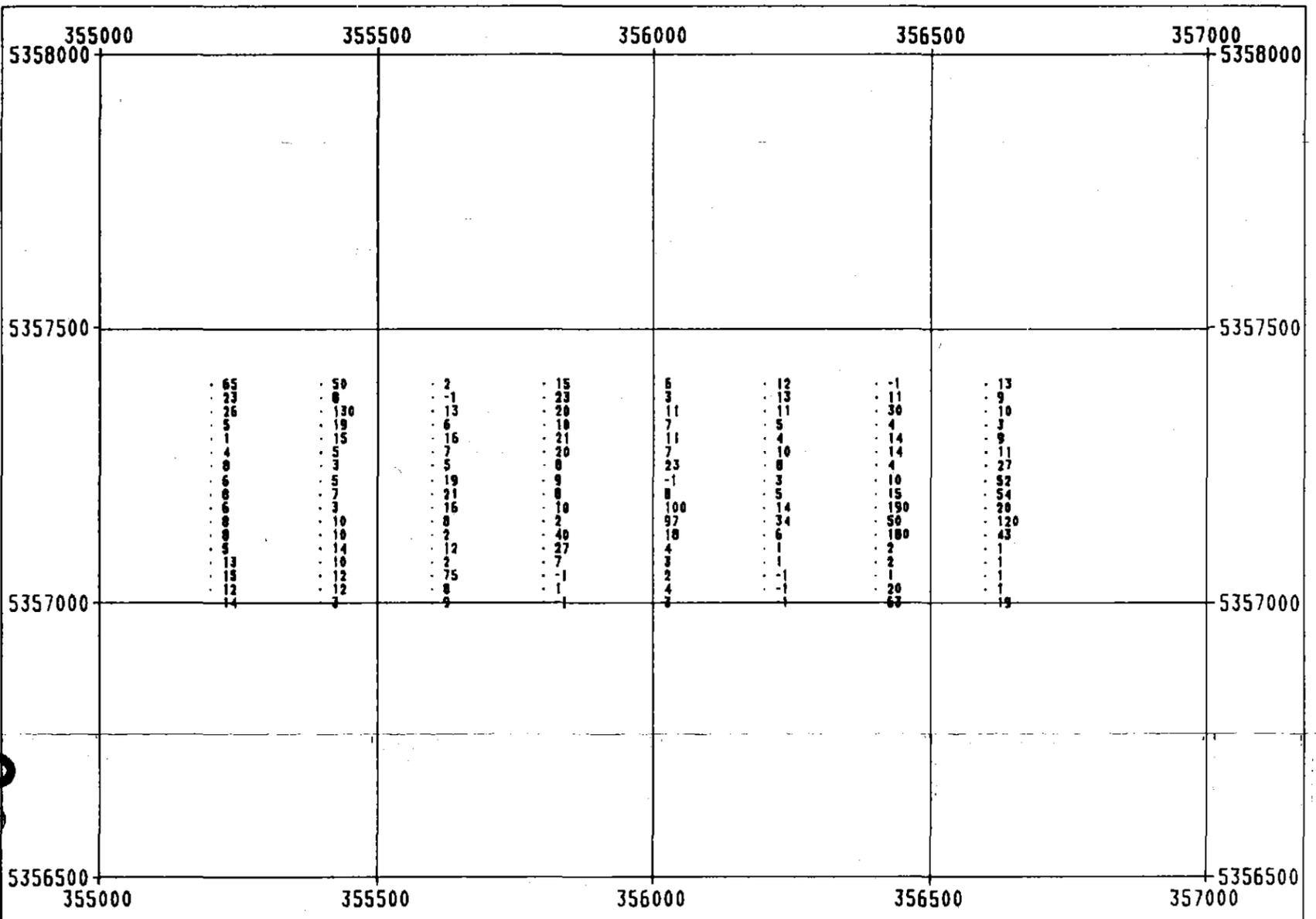


100m

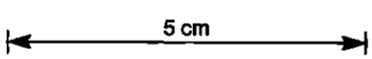
"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 · AVEBURY PROSPECT		
SOIL SAMPLE LOCATIONS		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv 482

802-308

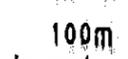
Tv 486



8699-36



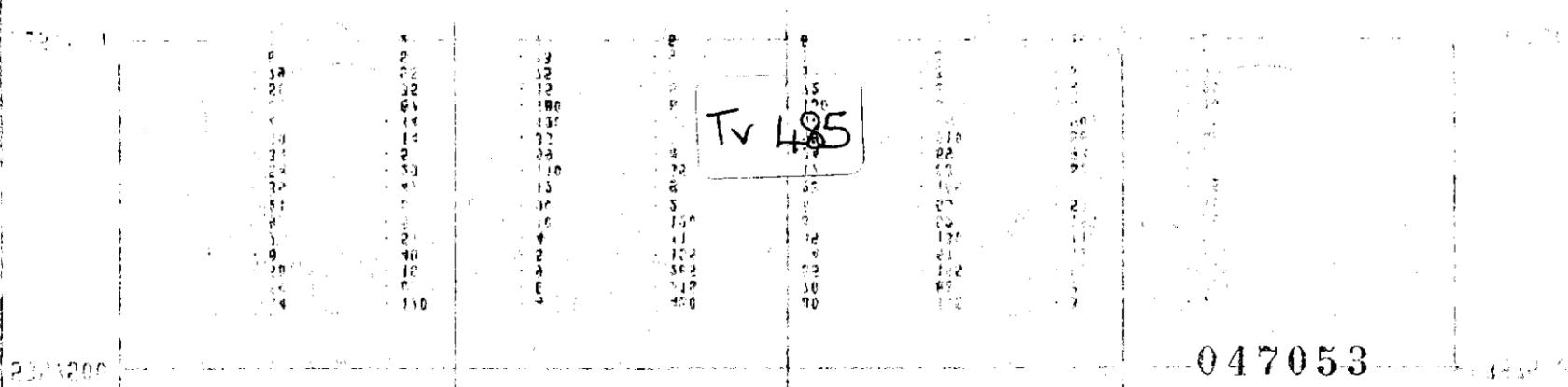
CRAE C-HORIZON SOIL DATA



047052

"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - AVEBURY PROSPECT		
SOIL GEOCHEMISTRY - ARSENIC ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 1/10/92	Plan: Tv 486

8699-8
-3308



047053

	355000	355500	356000	356500	357000	
5358000						5358000
5357500						5357500
5357000						5357000
5356500						5356500

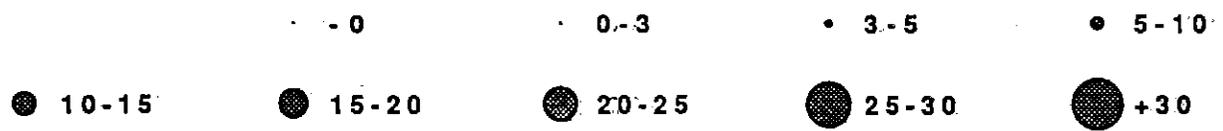
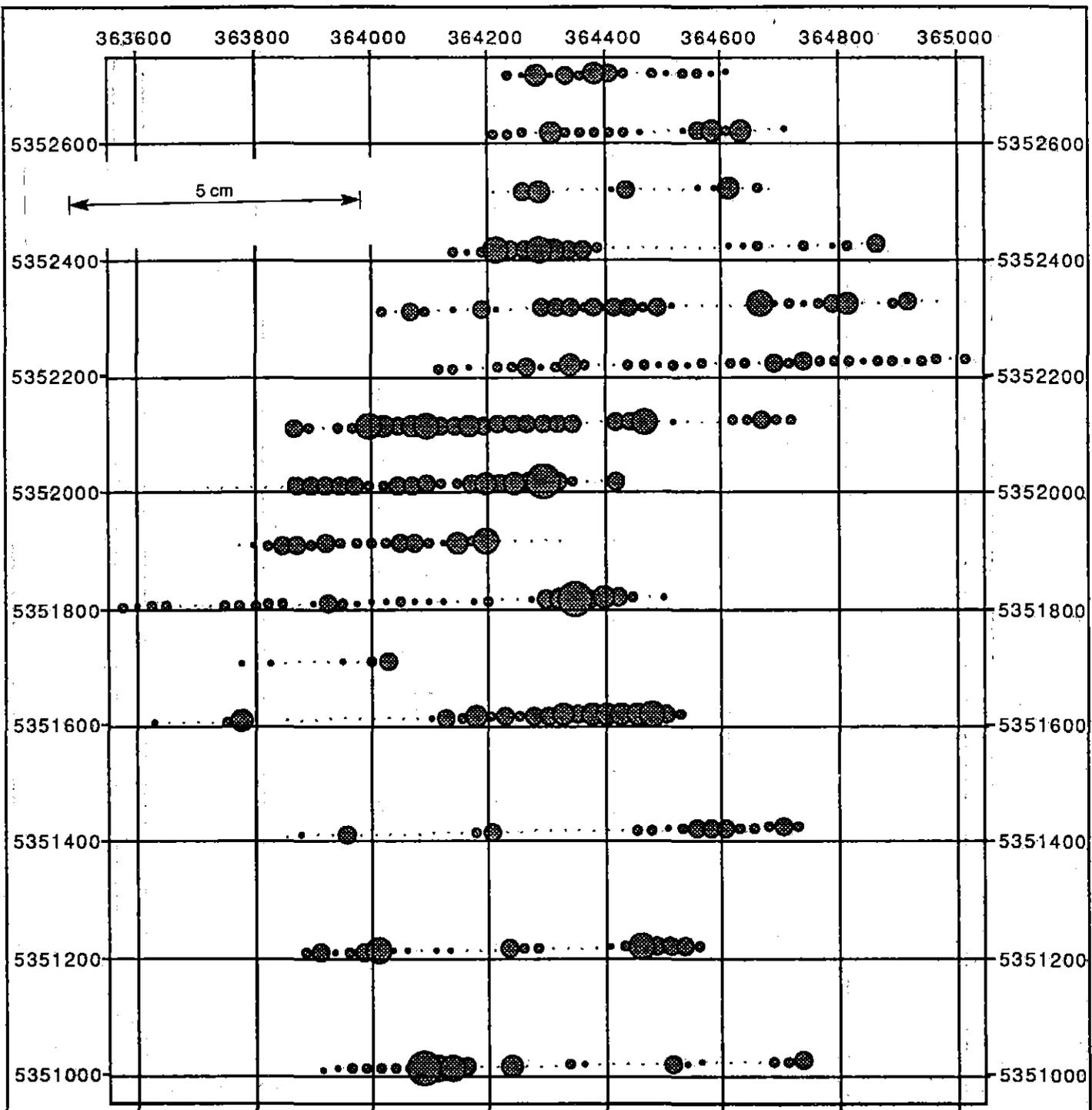
64	170	4	450	80	115	3	70
59	8	6	218	70	88	3	150
58	15	9	265	55	155	97	135
8	48	5	155	84	61	12	41
7	51	4	115	49	130	110	64
9	35	10	120	8	52	155	55
21	5	90	2	8	65	53	16
39	47	12	9	23	105	69	76
54	29	110	65	17	83	82	46
39	5	99	8	24	69	94	6
30	14	35	2	68	210	86	45
43	14	120	40	94	16	205	36
35	87	180	8	150	3	4	10
50	35	15	5	72	3	4	20
79	55	75	6	5	3	6	9
64	6	13	9	11	3	3	3
18	8	7	6	6	2	80	2

5 cm

CRAE C-HORIZON SOIL DATA

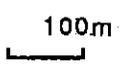


"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN 1 EL28/88 - AVEBURY PROSPECT		
SOIL GEOCHEMISTRY - COPPER ppm		
Geol: RGP	Scale: 1:10000	Report: 10355
Drawn: RGP	Date: 1/10/92	Plan: Tv 485



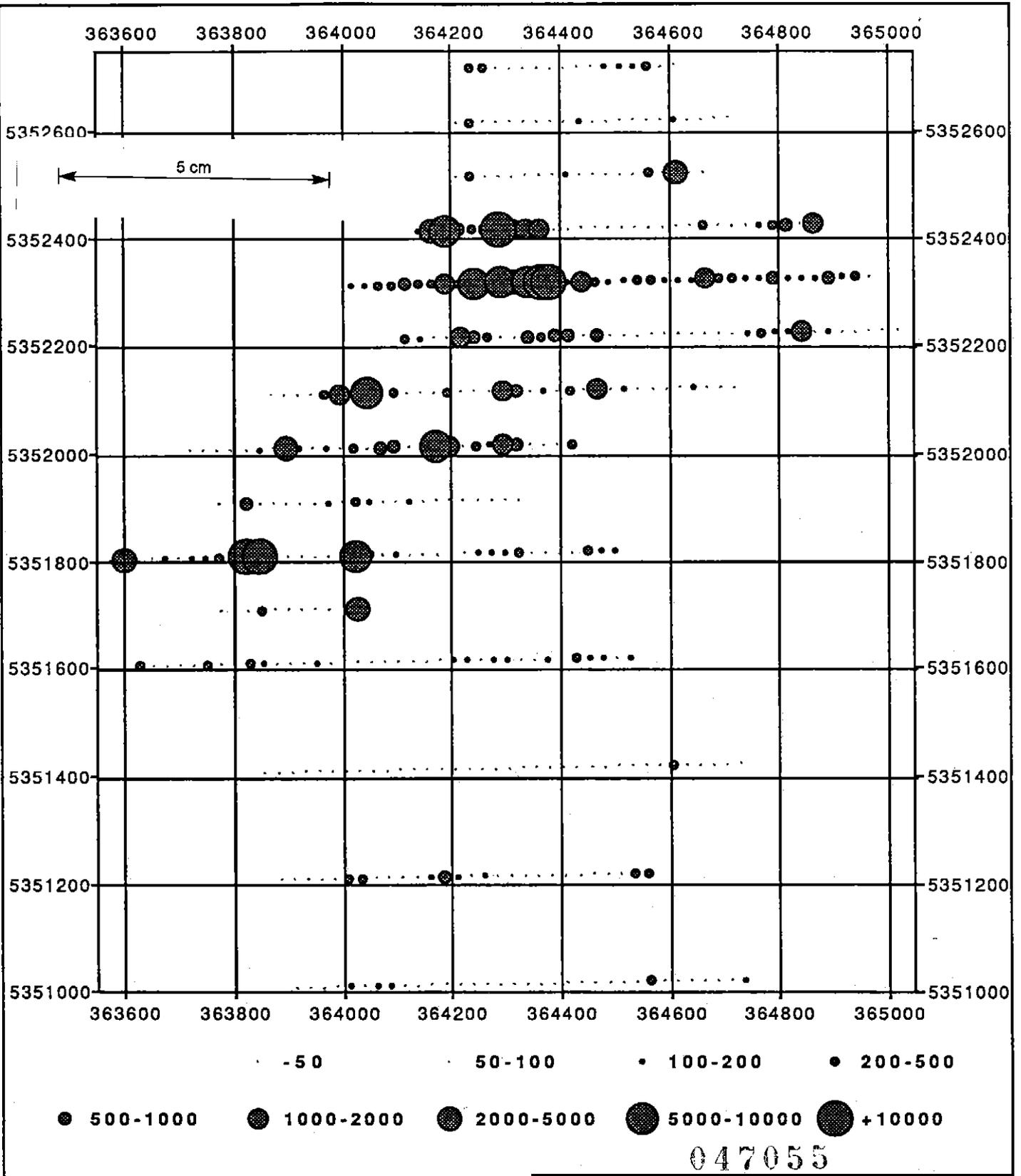
047054

Data from Amoco-EZ open-file reports, EL4/78.



"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN EL28/88 - MYRTLE PROSPECT		
WACKER GEOCHEMISTRY - DEPTH m		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv487

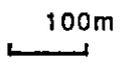
92-3398.



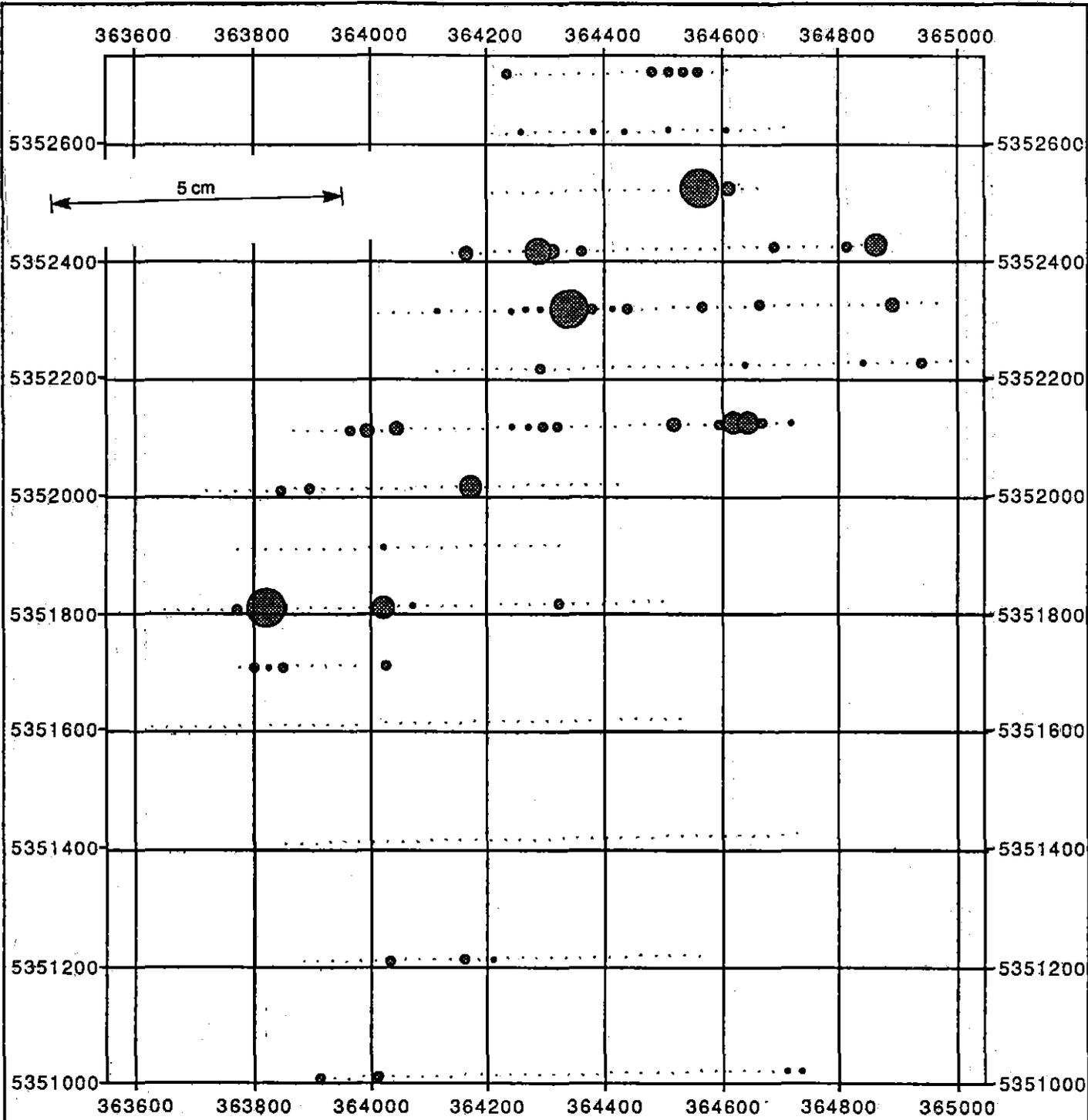
047055

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ZEEHAN EL28/88 - MYRTLE PROSPECT		
WACKER GEOCHEMISTRY - ZINC ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv488

Data from Amoco-EZ open-file reports, EL4/78.



92 - 3398.



- - 50
- 50-100
- 100-200
- 200-500
- 500-1000
- 1000-2000
- 2000-5000
- 5000-10000
- +10000

047056

"CRA EXPLORATION PTY. LIMITED"

ZEEHAN EL28/88 - MYRTLE PROSPECT

WACKER GEOCHEMISTRY - LEAD ppm

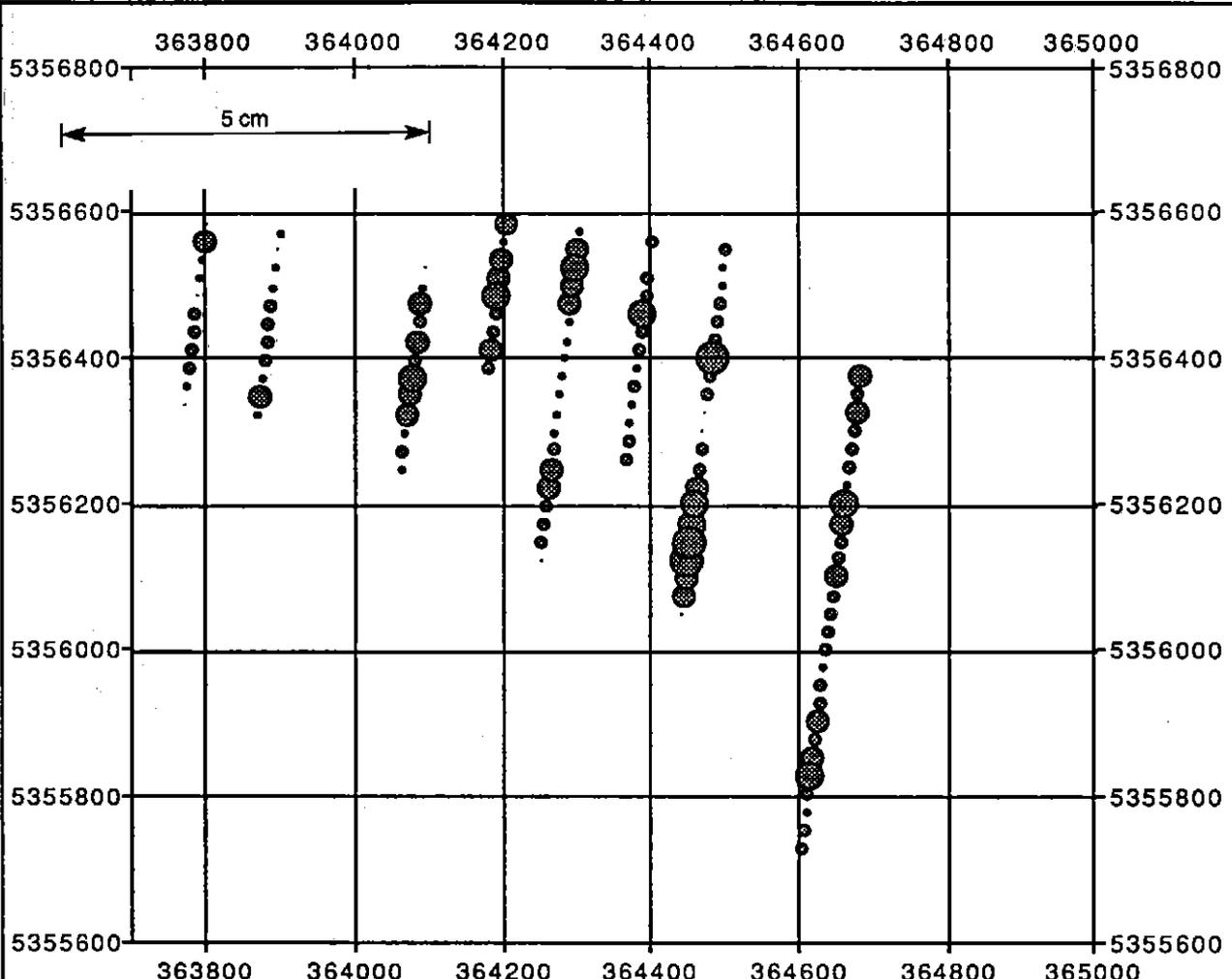
Data from Amoco-EZ open-file reports; EL4/78.



100m

Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv 489

92 - 3398



- - 0
- 0-3
- 3-5
- 5-10
- 10-15
- 15-20
- 20-25
- 25-30
- +30

047057

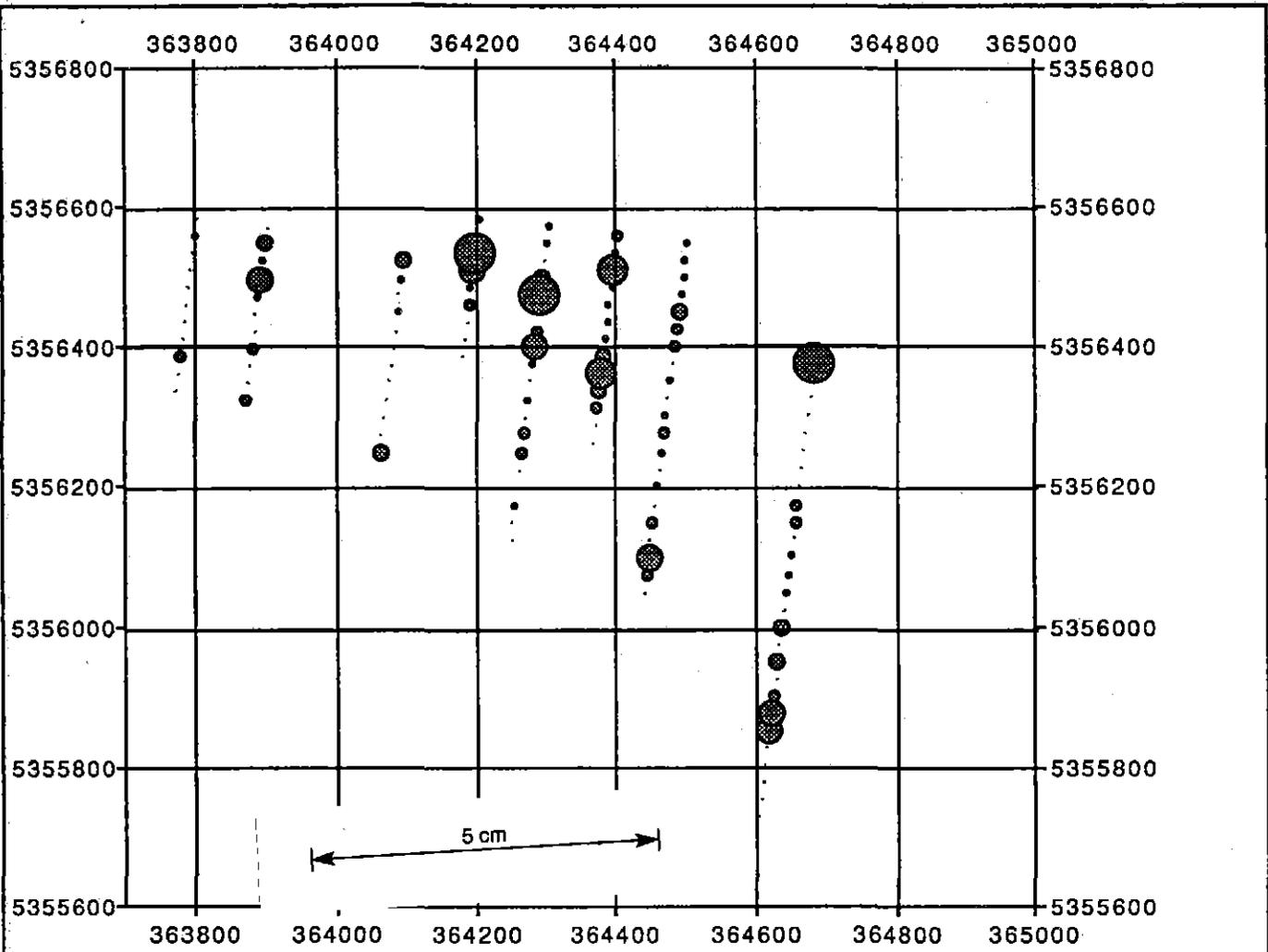
"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN EL28/88 - PYRAMID PROSPECT		
WACKER GEOCHEMISTRY - DEPTH m		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv490

Data from Amoco-EZ open-file reports, EL4/78.



100m

92 - 3398.



5 cm

- - 50
- 50-100
- 100-200
- 200-500
- 500-1000
- 1000-2000
- 2000-5000
- 5000-10000
- +10000

047058

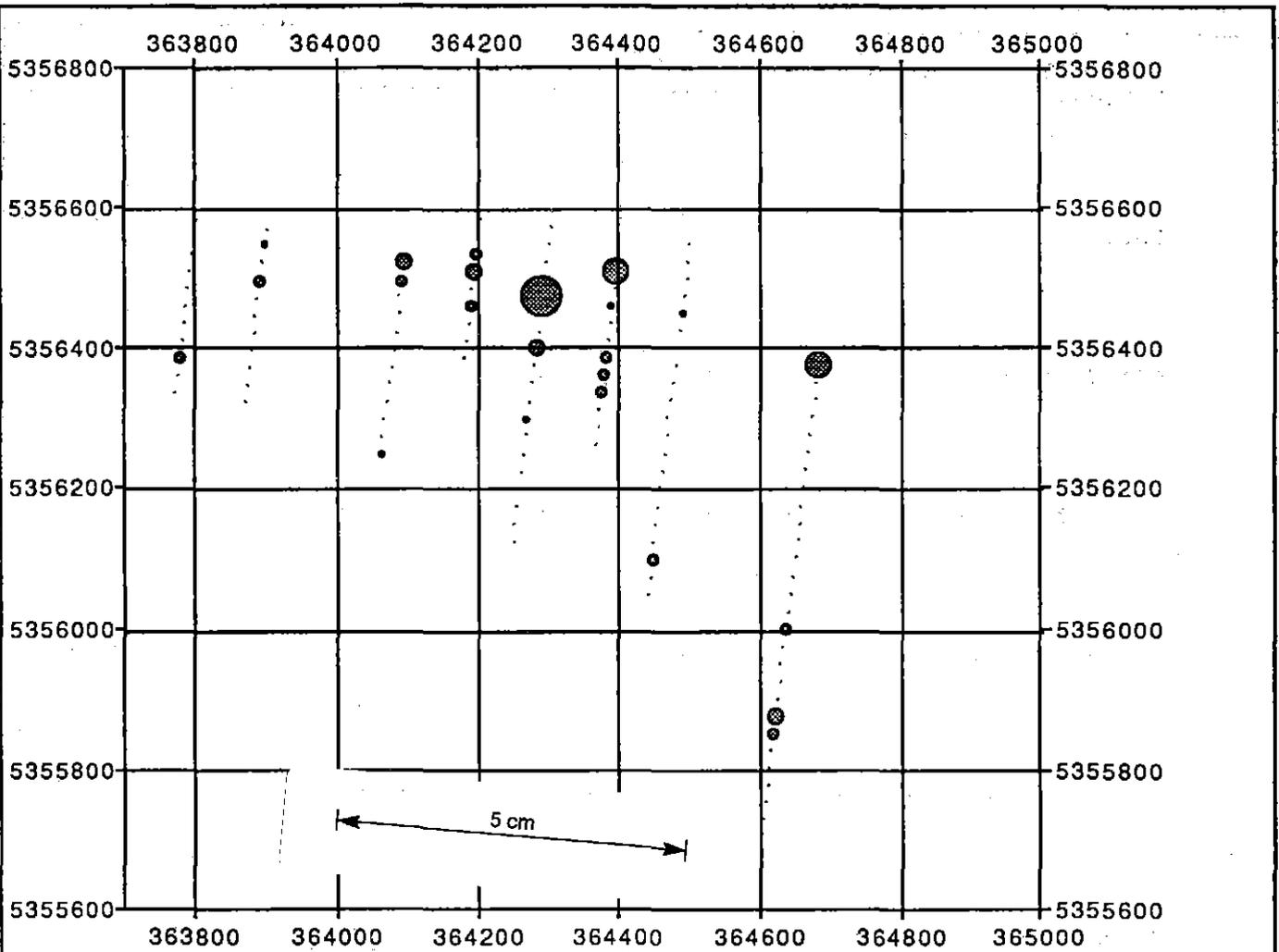
"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN EL28/88 - PYRAMID PROSPECT		
WACKER GEOCHEMISTRY - ZINC ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv491

Data from Amoco-EZ open-file reports, EL4/78.



100m

92 - 3398 .

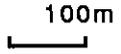


- -50
- 50-100
- 100-200
- 200-500
- 500-1000
- 1000-2000
- 2000-5000
- 5000-10000
- +10000

047059

"CRA EXPLORATION PTY. LIMITED"		
ZEEHAN EL28/88 - PYRAMID PROSPECT		
WACKER GEOCHEMISTRY - LEAD ppm		
Geol: RGP	Scale: 1:10000	Report: 18355
Drawn: RGP	Date: 6/7/92	Plan: Tv 492

Data from Amoco-EZ open-file reports, EL4/78.



92 - 3398.

APPENDIX 1

IP SURVEY INTERPRETATION AND DATA SHEETS



CRA EXPLORATION PTY. LIMITED

ACN 000 057 125

UNIT 1/23 BELL STREET, PRESTON, VICTORIA 3072, AUSTRALIA

047061

P.O. BOX 8093

NORTHLAND CENTRE 3072

TELEPHONE: (03) 480 1866

FAX: (03) 484 1375

2nd November 1992

Memo to: R G Parkinson

From: T Aravanis

Re: Geophysical activity in Zeehan No. 1 EL 28/88

Introduction

A variety of geophysical techniques have been used in the past within EL 28/88. In particular, RGC collected ground magnetics, gradient array IP, EM (VLF, EM-37, UTEM, downhole SIROTEM & DIGHEM) and gravity at Stonehenge in their exploration for Sn associated with the broad magnetic feature in the centre of the prospect, (refer to Komysan, Cartwright and Roberts 1984; Roberts 1986). During the 12 month period to November 1992, CRAE has completed eight lines of combined ground magnetics (10.0 line km) and 50 m dipole-dipole IP/resistivity (10.4 line km) on the Stonehenge prospect.

In addition, located data of the West Coast Tasmanian aeromagnetic survey was purchased and modelling of the Avesbury magnetic feature was performed.

Ground magnetics

Detailed ground magnetic data were collected over the Stonehenge grid on the lines listed below, (refer to Plan Tv 468);

10200E, 10900E, 11100E, 11800E & 11900E	(RGC grid)
21450E	(Sunshine line)
21600E	(Spray line)
20000N	(Grubb's line)

This data was incorporated with RGC data collected during 1982 - 84, (Komysan, Cartwright and Roberts 1984) and produced as stacked profiles and contours (Plans Tv 470 & 471).

NW trending shears, (concordant with vertical Devonian faulting), are seen to disrupt and bound the broad, deep seated Stonehenge magnetic feature. (Modelling has indicated that the top of the source is approximately 500 m deep.) Four surficial (cultural) magnetic features, indicating the locations of old workings, occur on the main NW oriented shear (Plan Tv 469). This may suggest that these shears were pathways for mineralising fluids and as such warrant further investigation.

The most easterly of these NW oriented shears coincides with the Sunshine - Grubb's shear zone mapped at surface (Plan Tv 452). This shear also appears to define the NE margin of the Stonehenge magnetic feature. As magnetic modelling has indicated the depth to the top of the Stonehenge magnetic feature is ~500 m, this would again suggest the shear zone is near vertical.

The ground magnetic data has also indicated that the SW margin of the deep seated Stonehenge magnetic feature is fault controlled. The trace of this interpreted fault is parallel to the near flat laying Tenth Legion Thrust.

Magnetic modelling of the E/W trending Avesbury magnetic feature was attempted using the gridded West Coast Tasmanian aeromagnetic data. The modelling has indicated that the source is a 1000 x 600 x 400 m tabular body at 80 - 120 m depth with susceptibility values between 12,000 - 22,000 x 10⁻⁵ SI. Such high susceptibilities indicate that the source rock is mafic to ultra mafic with up to 5% magnetite. It should be noted that the flight direction of the survey makes modelling E/W trending features awkward.

A DIGHEM/magnetic survey (1982) was flown over the Stonehenge area (incorporating Comstock and Avesbury) for RGC. The flight direction for the survey was N/S. In light of the usefulness to the ground magnetics at Stonehenge and the need for better modelling at Avesbury, acquisition of the digital data set was sought. All efforts to locate the digital data of the survey including contacting DIGHEM in Canada have failed.

Induced Polarisation & Resistivity surveys

During February/March 1992, Scintrex Pty. Limited were contracted to perform the time domain IP work at Stonehenge using a IPR-11 receiver. Due to access limitations, the portable TSQ-3 transmitter was used on a number of surveys. Where possible, the TSQ-4 trailer mounted transmitter was used so as to give greater current output over the TSQ-3 (i.e. increasing the signal strength and production rate).

The IP/resistivity data was collected on eight lines listed above (Plans Tv 452-461). Line 11900E was initially surveyed using the TSQ-3 transmitter. The northern portion of 11900E was repeated, using the TSQ-4, due to negative signal strengths (Vp) at receiver dipole 4950 - 5000N n=3, 4 & 5.

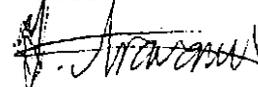
The data quality and results of the IP/resistivity surveys are fully described and discussed by T.V. Harvey in Appendix I, to which the reader is referred. In addition, Harvey has compared the IP/resistivity results with the RGC EM interpretation, (Roberts 1986; Plan 39), which was redrafted for this report (Plan Tv 477).

A summary of the interpretation of the magnetic and IP/resistivity data has been prepared (Plan Tv 469). Although many of the features are thought to have widths less than the dipole length, interpreted features are shown to have a minimum width of 50 m due to the uncertainty of their position. The main points of the interpretation are detailed below:

- In general, strong IP responses are associated with locally lower resistivities and visa versa. A notable exception is the IP anomaly near the Sunshine old workings adjacent to a major shear zone (Plan Tv 452).
- Strong IP responses in the northern and western portions of the grid are interpreted to represent sulphides and graphite within black shale horizons. Black shale units have been identified along strike in surface mapping, EM surveys and drilling. The black shale units contain significant amounts of Zn mineralisation, (1.1 % in Wacker sampling and 3 m @ 10.3% in the top portion of RGC diamond drill hole TH-12). As a result, the interpreted IP anomalies highly warrant drill testing.
- Repeatable negative signal strength measurements resulting in negative apparent resistivities on line 11900E are probably due to current channelling in wide conductive black shale units. Low apparent resistivities associated with low signal strengths also occur within a wide IP zone on adjacent line 11800E.
- The IP responses on the southern half of the Spray line (21600E) are due to the Spray - Nubeena mineralised shear zone.
- The Tasmanian, Swansea, Sunshine, Grubb's, Venzia - Llewellyns, Nubeena - South Nubeena old Pb/Zn/Ag workings appear to have an IP expression.
- Unexplained IP features are noted at the northern end of the Spray line (21600E), to the east and north of Swansea and to the east of Grubb's. The "Grubb's East" feature is a significant IP anomaly directly underneath a surficial resistive high. Although Wacker samples taken above this IP feature were not anomalous, the IP feature may be capped by a (siliceous?) zone and as such has may not have been properly sampled. Drill testing of this IP feature is strongly suggested.

The recently acquired dipole-dipole IP will be compared to gradient array IP data, (collected by RGC in the 1980's over the Stonehenge grid), with the aim to enhance the IP interpretation and determine the optimum future geophysical method for this style of mineralisation.

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References

- Komyshan, P., Cartwright, A.J. and Roberts P.A., 1984. EL 11/76, Trial Harbour Area, Annual Report for 1983/4. Gold Fields Exploration, TCR 85-2315.
- Roberts P.A., 1986. EL 11/76, Trial Harbour Area, Progress Report - December 1984 to February 1986. Gold Fields Exploration, TCR 85-2336.

APPENDIX 1

STONEHENGE PROSPECT, TASMANIA

SCINTREX 1992 DIPOLE-DIPOLE IP/RESISTIVITY SURVEY

TVH INTERPRETATION NOTES

August 1992

LINE 10200E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 4625N-5075N

No spectral data supplied.

DATA QUALITY

SP : data quality good, with few small steps & no major jumps.

Vp : adequate, ranging from 731.6mV (n=1 max.) to 3.0mV (n=6 min.).

IP : decay curve quality OK (used check ratios M1/M5=2, M5/M8=2).

IP ANOMALIES

IP bilobe centred at 4675N, southern lobe is stronger.

Partly associated low resistivity bilobe.

Peak IP effects : M3 108mV/V; M7 48mV/V ; n=1 value.

IP bilobe centred at 5050N, southern lobe is stronger.

Associated low resistivities are less bilobed(?).

Peak IP effects : M3 106mV/V; M7 44,45mV/V ; n=1,2 values.

Higher resistivities (average 300ohm-m) separate the two IP anomaly zones.

Postulated lower resistivity zone at 4925N is poorly defined.

LINE 10900E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 4525N-5325N.

DATA QUALITY

SP : data quality questionable, with many steps & peaks (max. 169mV).

Vp : adequate in southern section, very low in northern section;
range from 846.4mV (n=1 max.) to 0.1mV (n=6 min.).

IP : decay curve quality variable, with some sections of poor quality and other sections apparently OK (even with Vp values < 1mV).

values associated with Tx dipoles 4650N-4700N and 4700N-4750N appear to be faulty (common electrode at 4700N is the problem?).

IP ANOMALIES

Weak IP bilobe centred at 4700N; mainly southern lobe, weak northern lobe. Associated resistivities are locally higher.

Peak IP effects : M3 50mV/V; M7 21mV/V ; n=1 value.

Pattern complicated by IP data quality problems to the south.

Broad variably-anomalous IP zone extending from 4975N to 5250N.

Associated lower resistivities.

5200N - intense low resistivity (<5ohm-m), high IP (M3 97,98mV/V, M7 38-40 mV/V, n=1,2) bilobe.

5050N - secondary low resistivity (<25ohm-m), high IP (M3 93mV/V, M7 38mV/V, n=1) bilobe.

Very high resistivities (up to 1000ohm-m) occur adjacent to the north.

EM37 ANOMALIES

EM37 anomaly positions appear to be displaced to the north of the dipole-dipole low resistivity bilobes, suggesting a south dip for the source bodies. The relatively stronger south lobes also support this dip indication.

LINE 11100E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 4525N-5375N.

DATA QUALITY

SP : data quality OK, with some small steps (max. 16mV).
in central section of line, consistent change between initial SP reading (n=1) and subsequent repeats (n=2,3 etc) suggests SP drift as each new receiver porous pot site came into equilibrium.

Vp : good for most part, despite some very low Vp values;
range from 1034mV (n=1 max.) to 0.1mV (n=6 min.).

IP : decay curve quality generally OK even with most very low Vp values.

IP ANOMALIES

Single IP lobe, dipping to south, at 4750N-4800N, with some anomalous IP effects further south.

Associated resistivities are locally higher (>500ohm-m).

Peak IP effects : M3 52mV/V; M7 20mV/V ; n=2 value.

Pattern similar to that seen to the west on line 10900E.

Sharp low resistivity bilobe at 4800N-4850N is adjacent, to the north.

Northern section of line is IP anomalous.

Associated resistivities are generally lower.

5000N-5100N - strong IP bilobe forms southern margin of IP anomaly zone.
smaller low resistivity bilobe is centred at 5050N.

peak IP : M3 86mV/V, M7 35mV/V, n=3, to south,

M3 101-103mV/V, M7 42,43mV/V, n=2-4, to north.

EM37 conductor is mapped at 5100N.
5250N-5350N - incompletely surveyed IP bilobe, with strong northern lobe suggesting additional sources further north.

High surficial resistivities (>100ohm-m) occur from 5100N to 5200N.

To summarise:

Strong IP effects extend from 5000N to at least 5375N, the end of the line. A broad IP bilobe, with core low resistivity bilobe, defines the southern margin of this zone.

Resistivities are generally lower in the northern half of the line.

No intense low resistivity zone, as was seen on line 10900E, is present.

LINE 11800E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 4775N-5375N.

DATA QUALITY

SP : data quality OK for most part, with few isolated steps (max. 23mV). in many cases, small change between initial SP reading (n=1) and subsequent repeats (n=2,3 etc) suggests SP drift as each new receiver porous pot site came into equilibrium.

Vp : varied over wide range from 3468mV (n=1 max.) to 0.1mV (n=6 min.).

IP : decay curve quality generally good, even in the cases where signal strengths were less than 1mV; few suspect readings.

IP ANOMALIES

Much of the line anomalous, with a general association between high IP effects and low resistivities, and vice versa.

Main IP bilobe(?) may be interpreted as centred at 5000N-5100N.

Associated broad low resistivity zone.

Peak IP effects : M3 147mV/V; M7 60mV/V ; n=1 value, in the south,
M3 185mV/V; M7 73mV/V ; n=5 value, in the north.

Additional anomalous IP effects occur to the south, across the southern resistivity boundary gradient. Bilobed IP anomalies could be interpreted at 4950N-5000N and/or 4900N-4950N (less likely).

Northern lobe of main IP bilobe is enhanced at depth (cf line 11100E).

High surficial resistivities (>300ohm-m) occur from 5150N to 5300N. Associated IP effects are lower.

EM37 ANOMALIES

Conductor at 5050N coincides with main IP anomaly and low resistivity zone.

Conductor at 5250N occurs in area of high surficial resistivities.

Conductor at 5450N is beyond the limits of the IP coverage.

LINE 11900E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 3875N-5375N.
Surveyed with TSQ-3 IP transmitter.

DATA QUALITY

- SP : data quality OK for most part, with few isolated steps.
receiver positions 4500N and 5150N have more SP steps.
in many cases, small change between initial SP reading (n=1) and
subsequent repeats (n=2,3 etc) suggests SP drift as each new
receiver porous pot site came into equilibrium.
- Vp : varied over wide range from 2340mV (n=1 max.) to 0.1mV (n=5 min.).
negative Vp readings recorded for Rx dipole 4950N-5000N, n=3,4,5.
- IP : decay curve quality generally good, even in the cases where signal
strengths were less than 1mV or were negative.
Rx dipole 4900N-4950N, adjacent to negative Vp dipole, has faulty IP
values.
few other faulty values at depth in northern low resistivity section.

IP ANOMALIES

Much of the line is anomalous, with the peak IP response in a complex zone,
associated with much lower resistivities, in the northern section. This
complex pattern suggests overlapping IP bilobes, generally associated with
lower resistivities, overlain by characteristic(?) surficial zone of high
resistivities. The very low resistivity core, and adjacent zone of negative
Vp values, lie within the IP anomaly zone, but are not themselves directly
associated with peak IP effects.

The main IP zone is interpreted as a multi-source feature extending from
5000N to 5300N at least.
Peak IP effects : M3 182mV/V; M7 76mV/V ; n=1 value.

High surficial resistivities and some lower IP effects occur from 5150N to
5350N, with a possible extension from 5050N to 5100N.

High resistivities and lower IP effects, moreso towards the surface, occur
at 4800N-4950N, adjacent to the south.

Lesser IP bilobe, with stronger south lobe, occurs at 4650N-4700N.
Associated lesser low resistivity bilobe.
Peak IP effects : M3 99mV/V; M7 40mV/V ; n=1 value.

IP effect boundary (lower to south) occurs at 4350N approximately.

Weakly anomalous IP bilobe occurs at 4000N-4100N approximately.
Associated higher resistivities.
Pattern suggestive of south dip.

MINERALISATION

Tasmanian mineralisation trend may be indicated by:
- small weak IP anomaly at surface at 4075N
and/or - small high resistivity zone at surface at 4125N.

Swansea mineralisation trend may be indicated by:

- weak IP bilobe anomaly at 4400N-4450N, adjacent to IP boundary,
- and/or - weak high resistivity bilobe at 4450N-4500N(?).

EM37 ANOMALIES

Conductor at 4975N is on southern margin of main IP, low resistivity zone.

Conductor at 5100N lies within main IP anomaly and low resistivity zone.

Conductor at 5250N occurs in area of high surficial resistivities.

Conductor at 5425N occurs on north margin of high surficial resistivities.

LINE 11900E (partial repeat)

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 4775N-5375N.
Surveyed with TSQ-4 IP transmitter.

DATA QUALITY

SP : data quality OK, but with quite a few steps (max. 44mV).
in many cases, small change between initial SP reading (n=1) and
subsequent repeats (n=2,3 etc) suggests SP drift as each new
receiver porous pot site came into equilibrium.

Vp : varied over wide range from 5043mV (n=1 max.) to 0.3mV (n=5 min.).
negative Vp readings recorded for Rx dipole 4950N-5000N, n=3,4,5,6.

IP : decay curve quality generally good, even in the cases where signal
strengths were less than 5mV or were negative.
values were suspect where signal strength was less than 1mV.
Rx dipole 4900N-4950N, adjacent to negative Vp dipole, has faulty IP
values.

IP ANOMALIES

IP and resistivity patterns virtually identical to those obtained in the
initial survey with the TSQ-3 transmitter.

Note that this survey does not constitute a reciprocal repeat of the TSQ-3
work.

LINE 21150E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 9725N-10675N.

DATA QUALITY

SP : data quality generally good, with few isolated steps (max. 9mV).
some suggestion of small change between initial SP reading (n=1) and

subsequent repeats (n=2,3 etc), suggesting SP drift as each new receiver porous pot site came into equilibrium.

Vp : varied over wide range from 431.0mV (n=1 max.) to 0.2mV (n=6 min.).

IP : decay curve quality generally OK, except for deep (n=6) values in northern low resistivity section of line, particularly where signal strengths were less than 1mV.

IP ANOMALIES

Most of the line is IP anomalous, to a greater or lesser extent.

The main zone is an intense IP lobe north of 10700N, at the line's end. An intense low resistivity (<10ohm-m) lobe is directly associated. Peak IP effects : M3 118mV/V; M7 46mV/V ; n=4 value, M3 >90mV/V; M7 >35mV/V; rest of lobe.

IP bilobe can be interpreted at 10450N-10500N, adjacent to the south. Associated resistivities are high. This contrasts with the high resistivity-low IP association to the west.

Surficial resistive zone (>350ohm-m) associated with locally lower IP effects 10000N-10150N.

Within the somewhat anomalous zone to the south, possible IP bilobes can be interpreted at:

10150N-10300N	on northern margin of surficial high resistivity zone; better lobe is to the south.
9900N-10000N	on southern margin of surficial high resistivity zone; surficial IP zone(?)
9700N-south	off end of line.

LINE 21600E

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 9675N-10825N.

DATA QUALITY

SP : data quality generally good, but with quite a few small steps scattered throughout (max. 21mV).
evidence of SP drift, typically between n=1 and n=2 repeat values.
receiver position move 10400N-10450N has more than usual SP steps.
receiver position move 10700N-10750N has more than usual SP steps.
receiver position 10700N, n=3 has lone SP peak of -1637mV (misprint?)

Vp : varied over wide range from 3216mV (n=1 max.) to 1.4mV (n=6 min.).

IP : decay curve quality good.
note fault with M7 values (only) at receiver position 9750N (n=1-4).

IP ANOMALIES

Broad patterns suggest sub-parallel source over much of the line. Resistivities are quite high over virtually the entire line.

The main IP anomaly is spread over the southern half of the line.

Locally lower resistivities are broadly associated. Peak IP effects : M3 >80mV/V; M7 >30mV/V; southern & central sections. Pattern shows an apparently very flat north dip, with higher resistivity, lower IP effect material 'overlying' the anomalous material. This is interpreted to reflect a subparallel source, converging to the south where the anomaly has its 'nearest-surface' response. The persistent South Nubeena - Spray mineralisation trend would appear to be the source.

An IP anomaly associated with locally-lower resistivities may be present beyond the northern limit of the line.

LINE 2000N

SURVEY DETAILS

6-level, 50m dipole-dipole; coverage (n=3) 1525E-3625E.

DATA QUALITY

SP : data quality good, with scattered small steps (max. 15mV). evidence of SP drift, typically between n=1 and n=2 repeat values. receiver position move 1900E-1850E has more than usual SP steps.

Vp : generally good, ranging from 1783mV (n=1 max.) to 0.9mV (n=6 min.).

IP : decay curve quality almost invariably good, even where signal strengths were less than 5mV.

Reciprocal repeats in the centre of the line are good for M3 and M7, but only fair for resistivity, suggesting a transmitter current measuring problem.

IP ANOMALIES

Much of the line is variably IP anomalous, with some broader patterns suggesting sub-parallel sources.

Peak response is a constrained IP anomaly directly beneath surficial high resistivities at 2900E-2950E.

Peak IP effects : M3 >100mV/V; M7 >40mV/V; n=2,3 values.

Note that the Grubbs mineralisation crosses the line at 2825E, and there is an anomalous lobe apparently linking this to the peak IP effects zone.

Locally lower resistivities, not notably associated with anomalous IP effects, occur at 3050E-3150E; a similar response is present on line 21150E at this mutual intersection of lines 2000N and 21150E. Shallow IP effects to the east on line 2000N and to the north on line 21150E, if related, imply an east-west strike for that source material.

A shallow IP anomaly occurs at 3600E beneath surficial resistive low IP values; a similar response is present on line 21600E at this mutual intersection of lines 2000N and 21600E.

A broad IP anomaly zone occurs at 2250E-2350E, with surficial low IP to the west and east. No particular resistivity association is evident in this area.

The western section of line 2000N is variably anomalous and quite resistive (average 600 ohm-m).

a west-dipping IP lobe is present at 1850E-1900E.

a shallow IP anomaly is present at 1975E (part of a bilobe at 2000E?). locally lower IP and higher resistivities occur at 2050E, and a similar response is present on line 11900E at this mutual intersection of lines 2000N and 11900E.

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APPENDIX 2

CRAE SOIL SAMPLING LEDGERS WITH GEOCHEMISTRY

ROCKCHIP AND DRILLING CODES

QSOUTH

Rock code as per published geological map
For time designation use:-

Q Quaternary	M Permian	P Proterozoic
T Tertiary	C Carboniferous	A Archaean
	S Silurian	
X Cretaceous	D Devonian	
R Triassic	O Ordovician	
J Jurassic	E Cambrian	

FIELD ID

Field term for rock type
Broad groupings are:-

S Sedimentary	I Intrusive	C Surficial
M Metamorphic	E Extrusive	O Others

SEDIMENTARY

Scg Conglomerate	Sls Limestone	Sw Waste
Sss Sandstone	Sch Chert	
Sst Siltstone	Sll BIF	
Ssh Shale		
Sbs Black shale	Sox Breccia	

METAMORPHIC

Msl Slate	Mq Quartzite	Mng Migmatite
Mpn Phyllite	Mm Marble	
Msc Schist	Ma Amphibolite	
Mbs Graphitic schist	Mca Calcisilicate	Msk Skarn
Mgn Gneiss		

INTRUSIVE IGNEOUS

Ii Felsic undll.	Ii Intermed undll.	Iu Ultramafic
Iip Felsic porphyry	Iip Intermed porph	Ius Serpentinite
Iap Aplite	Im Mafic undll.	
Igr Granite	Ido Diorite	Ipg Pegmatite
Igd Granodiorite	Igb Gabbro	

EXTRUSIVE IGNEOUS

Ery Rhyolite	Ean Andesite	Et Tuff undll
Ebc Diabase	Eb Basalt	Elt Felsic tuff
		Em Mafic tuff

SURFICIAL (COVER) MATERIAL

Ca Alluvium	Cll Laterite	Csg Gossan
Coo Colluvium	Csp Pisolites	
Cs Asolan sand	Cst Ironstone	Ccy Clay
Cbs Black soil	Cst Silcrete	
Cg Gravel	Ccl Calcrete	

OTHERS

Ovq Vein quartz	Omy Mylonite	Oms Massive sulphide
Ovc Vein carbonate	Ovb Breccia	
Ovs Vein sulphide	Olf Fault gouge	Os Unknown

TEXTURAL CODES

WEATHERING/SURFICIAL FEATURES

We Weathered	Ff Ferruginous
Bl Bleached	Fo Fe ox in tact
Le Leached	

MINERALISATION/ALTERATION FEATURES

Gg Gossanous	Vs Vein sulphide	Al Altered
Vn Veined	Ds Dissem sulph	Sl Silicified
Di Disseminated	Fs Fracture sulph	
	Bs Banded sulph	

GEOLOGICAL FEATURES

Bd Bedded	Fi Fractured	Pp Porphyritic
Bs Banded	Ib Interbedded	Sc Schistose
Bb Brecciated	Lm Laminated	Sh Sheared
Fl Fissile (slaty)	Ma Massive	Vu Yuggy

DIAGNOSTIC MINERALOGY

PRIMARY MINERALISATION

Ga Galena	Py Pyrite
Sp Sphalerite	Po Pyrrhotite
Cp Chalcopyrite	Su Unknown sulph

SECONDARY MINERALISATION

Ls Lead secondaries	Cs Copper sec.
Zs Zinc	Us Uranium

ALTERATION/DIAGNOSTIC MINERALS

Cy Clay	Hb Haematite	Gt Garnet
Ep Epidote	Ml Magnetite	Ky Kyanite
Cc Carbonate	Je Jaspersite	
	Mn Manganese mins	

COLOR CODES

L Light	A Banded	M Mottled
D Dark		
N Black	P Purple	V Green
G Grey	R Red	K Pink
B Brown	O Orange	E Blue
W White	Y Yellow	S Silver

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APPENDIX 2 - SOIL SAMPLING LEDGERS AND GEOCHEMISTRY

CRAE SOIL SAMPLE DATABASE														Ag	As	Bi	Cu	Pb	Zn
Database last updated on 6/7/92																			
All results in ppm																			
SAMPNO	DPO	GRID	LOCALE	LOCALN	AMGE	AMGN	DEPTH	HORIZON	BMRLITH	FIELDID	COLOUR	COMMENTS	Ag	As	Bi	Cu	Pb	Zn	
3191493	71505	AVEBURY			356000	5357000	0.0	Outcrop	Ob	Scg		Owen conglomerate	-1	3		6	16	26	
3191494	71505	AVEBURY			356000	5357025	0.5	A/C	Ob	Scg	DB	Owen conglomerate & humus. Ridge top.	-1	4		11	10	21	
3191495	71505	AVEBURY			356000	5357050	0.3	C	Ob	Scg	W	Owen congl. OR Conah est	-1	2		5	5	3	
3191496	71505	AVEBURY			356000	5357075	0.8	C	Ed	Eb	V	Cambrian mafic (gabbro or basalt)	-1	3		72	31	315	
3191497	71505	AVEBURY			356000	5357100	0.0	Outcrop	Ed	Eb	YO	Weathered mafic volc.	-1	4		150	275	105	
3191498	71505	AVEBURY			356000	5357125	0.9	B/C?	Ed	Eb	YO	Alter Camb. volc. Valley floor.	-1	18		94	250	220	
3191499	71505	AVEBURY			356000	5357150	0.9	B/C?			YO		-1	97		68	370	145	
3191500	71505	AVEBURY			356000	5357175	1.0	C	Ed	Eb	YV	Alter mafic?	-1	100		24	320	105	
3191501	71505	AVEBURY			356000	5357200	0.0	Outcrop	Puo	Ssl?	W	Silicified rock. Conah Fm?	-1	8		17	10	76	
3191502	71505	AVEBURY			356000	5357225	0.0	Outcrop	Puo	Ssl?	W	Silicified rock.	-1	-1		23	384	115	
3191503	71505	AVEBURY			356000	5357250	0.2	C	Puo	Ssl?	WLB	Silicified rock.	-1	23		8	9	53	
3191504	71505	AVEBURY			356000	5357275	0.0	Outcrop	Puo	Ssl?	W	Silicified rock with minor gn mineral (skarn)?	-1	7		8	15	75	
3191505	71505	AVEBURY			356000	5357300	0.7	B/C?	Puo	Ssl?	YV	Some Qtzose frags	-1	11		49	87	100	
3191506	71505	AVEBURY			356000	5357325	0.9	C?	Ed	Eb	YO	Alter mafic?	-1	7		84	160	120	
3191507	71505	AVEBURY			356000	5357350	0.9	C?			YV	Broad flat valley	-1	11		55	255	125	
3191508	71505	AVEBURY			356000	5357375	0.8	C	Ed	Eb	OV	Alter weathered mafic	-1	3		70	170	270	
3191509	71505	AVEBURY			356000	5357400	0.6	C	Ed	Eb	OV	Alter mafic	-1	6		80	140	90	
3191510	71505	AVEBURY			355800	5357000	0.1	C	Ob	Scg	W	Owen conglomerate?	-1	-1		6	9	9	
3191511	71505	AVEBURY			355800	5357025	0.0	Outcrop	Ob	Scg	MLGV	Owen conglomerate. Ridge	-1	1		9	51	47	
3191512	71505	AVEBURY			355800	5357050	0.2	A/C	Ob	Scg		Weathered Owen conglom. mixed with humus	-1	-1		6	5	5	
3191513	71505	AVEBURY			355800	5357075	0.2	A/C	Ob	Scg		Weathered Owen conglom. mixed with humus	-1	7		5	13	15	
3191514	71505	AVEBURY			355800	5357100	0.2	B?			CB		-1	27		8	200	140	
3191515	71505	AVEBURY			355800	5357125	0.2	C	Ed	Eb	OAR	Alter weath basalt or seds assoc with basalt	-1	40		40	96	160	
3191516	71505	AVEBURY			355800	5357150	0.0	Outcrop			V	Creek	-1	2		2	26	385	
3191517	71505	AVEBURY			355800	5357175	0.0	Outcrop	Ed	Eb	LV	Altered basalt	-1	10		8	205	550	
3191518	71505	AVEBURY			355800	5357200	0.5	C	Ed	Eb	DV	Weathered gabbro	-1	8		65	1300	1150	
3191519	71505	AVEBURY			355800	5357225	0.0	Outcrop	Ed	Eb	LV	Altered gabbro	-1	9		9	220	435	
3191520	71505	AVEBURY			355800	5357250	0.0	Outcrop	Ed	Eb	DV	VFG basalt (chilled margin?)	-1	8		2	51	325	
3191521	71505	AVEBURY			355800	5357275	0.0	Outcrop	Ed	Eb	O	Weathered basalt in sinkhole	-1	20		120	380	260	
3191522	71505	AVEBURY			355800	5357300	0.8	C	Ed	Eb	CB	Minor basalt/sed frags	-1	21		115	235	200	
3191523	71505	AVEBURY			355800	5357325	1.0	C	Ed	Eb	OV	Alter mafic	-1	10		155	420	330	
3191524	71505	AVEBURY			355800	5357350	0.7	C?			CB		-1	20		265	895	320	
3191525	71505	AVEBURY			355800	5357375	0.9	C	Ed	Eb	O	Weathered mafic	-1	23		215	540	140	
3191526	71505	AVEBURY			355800	5357400	0.6	C	Ed	Eb	O	Weathered mafic	-1	15		450	350	330	
3191527	71505	AVEBURY			355600	5357000	0.0	Outcrop	Ob?	Scg?		Owen conglom? May be screwed up mafic	-1	9		7	31	170	
3191528	71505	AVEBURY			355600	5357025	0.0	Outcrop	E?	Ifp?	OV	Qtz-rich. May be a Qtz wacke, or a Qtz-porphyr	-1	8		13	15	380	
3191529	71505	AVEBURY			355600	5357050	0.7	C	E?	O		White feldspar frags? Felsic porphyry?	-1	75		75	98	600	
3191530	71505	AVEBURY			355600	5357075	0.0	Outcrop	Ed	Eb	V	Gabbro	-1	2		15	39	140	
3191531	71505	AVEBURY			355600	5357100	0.0	Outcrop	Ed	Eb	V	Mafic rock, silicified along fractures	-1	12		180	6	77	
3191532	71505	AVEBURY			355600	5357125	0.0	Outcrop	Ed	Eb	V	Gabbro/basalt	-1	2		120	92	260	
3191533	71505	AVEBURY			355600	5357150	0.0	Outcrop	Ed	Eb	V	Coarse-grained mafic	-1	8		35	47	395	
3191534	71505	AVEBURY			355600	5357175	0.9	C	Ed	Eb	OV	Clay, after coarse mafic	-1	16		99	58	185	
3191535	71505	AVEBURY			355600	5357200	1.0	B/C	Ed	Eb	O	Alter mafic	-1	21		110	48	235	
3191536	71505	AVEBURY			355600	5357225	0.2	C	Ed	Eb	V	Weath gabbro	-1	19		12	11	875	
3191537	71505	AVEBURY			355600	5357250	0.6	C	Ed	Eb	O	Feldspar laths, alter coarse mafic	-1	5		90	64	120	
3191538	71505	AVEBURY			355600	5357275	0.8	C	Ed	Eb?	O	Mafic, or assoc seds?	-1	7		10	22	130	
3191539	71505	AVEBURY			355600	5357300	0.6	C	Ed	Eb?	O	Mafic, or assoc seds?	-1	16		4	79	120	
3191540	71505	AVEBURY			355600	5357325	0.6	C	Ed	Eb	OV	Weath mafic frags	-1	6		5	30	205	
3191541	71505	AVEBURY			355600	5357350	0.7	C			MOYRV		-1	13		9	37	345	
3191542	71505	AVEBURY			355600	5357375	0.2	A/C	Puo	Mq		Qtzite RF's & humus	-1	-1		6	4	29	

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3191543	71505	AVEBURY		355600	5357400	0.0	Outcrop	Puo	Mq?	W	Silicified rock, a qtzite?	-1	2	4	-3	22
3191544	71509	AVEBURY		355200	5357000	0.5	C	Ed	Eb	OV	Weathered gabbro	-1	14	10	59	165
3191545	71509	AVEBURY		355200	5357025	0.9	C	Ed	Eb	GVO	Weathered mafic	-1	12	64	65	255
3191546	71509	AVEBURY		355200	5357050	0.5	C	Ed	Eb	GVO	Weathered mafic	-1	15	79	81	155
3191547	71509	AVEBURY		355200	5357075	0.8	C	Ed	Eb	GVO	Weathered mafic, hole filled with water	-1	13	50	115	190
3191548	71509	AVEBURY		355200	5357100	0.0	Outcrop	Op	Scg	W	O/c ls conglomerate	-1	5	35	31	110
3191549	71509	AVEBURY		355200	5357125	0.7	C	Ed	Eb	GVO	Weathered mafic	-1	8	43	24	65
3191550	71509	AVEBURY		355200	5357150	0.7	C	Ed	Eb	LOGV	Weathered mafic	-1	8	30	48	135
3191551	71509	AVEBURY		355200	5357175	0.5	C	Ed	Eb	OGV	Weathered mafic	-1	6	39	36	74
3191552	71509	AVEBURY		355200	5357200	0.5	C	Ed	Eb	LOGV	Weathered mafic	-1	8	54	23	61
3191553	71509	AVEBURY		355200	5357225	0.0	Outcrop	Ed	Eb		Weathered mafic (basalt?), pods of 2" silica	-1	6	39	48	79
3191554	71509	AVEBURY		355200	5357250	0.0	Outcrop	Ed	Eb	DV	Meta-basalt (mica flakes visible)	-1	8	21	17	61
3191555	71509	AVEBURY		355200	5357275	0.0	Outcrop	Ed	Eb	LV	Meta-basalt. Sample ls from creek bank.	-1	4	9	19	185
3191556	71509	AVEBURY		355200	5357300	0.0	Outcrop	Ed	Eb		Basalt (chilled-margin?), Epidote throughout	-1	1	7	15	37
3191557	71509	AVEBURY		355200	5357325	0.0	Outcrop	Ed	Eb	O	Mn-stained. Very weathered mafic	-1	5	8	78	430
3191558	71509	AVEBURY		355200	5357350	0.4	C	Ed	Eb	GVO	Weathered mafic	-1	26	58	47	150
3191559	71509	AVEBURY		355200	5357375	1.0	C?	Ed	Eb	MCGW	Mafic? Gy/wh patches are new	-1	23	59	34	38
3191560	71509	AVEBURY		355200	5357400	1.0	C?	Ed	Eb	OV	Weathered mafic	-1	65	84	48	65
3191561	71509	AVEBURY		355400	5357000	0.4	C?	Puo	Mq	GB	Otzite RF's, v. angular. On top of a spur. Not conglom.	-1	3	2	-3	4
3191562	71509	AVEBURY		355400	5357025	0.5	C	Ed	Eb	O	Weathered mafic	-1	12	6	250	345
3191563	71509	AVEBURY		355400	5357050	0.4	C	Ed	Eb	OMPJ	Weathered mafic	-1	12	55	245	275
3191564	71509	AVEBURY		355400	5357075	1.0	C?	Ed	Eb	OV	Weathered mafic	-1	10	35	83	160
3191565	71509	AVEBURY		355400	5357100	0.4	C	Ed	Eb	OMRP	Weathered mafic	-1	14	87	78	90
3191566	71509	AVEBURY		355400	5357125	0.5	C?	Ed	Eb	VMO	Weathered silicified mafic? (different clay to usual)	-1	10	14	32	105
3191567	71509	AVEBURY		355400	5357150	0.7	C	Ed	Eb	O	Weathered mafic	-1	10	14	32	94
3191568	71509	AVEBURY		355400	5357175	0.5	C	Ed	Eb	V	Weathered mafic	-1	3	5	23	110
3191569	71509	AVEBURY		355400	5357200	0.7	C	Ed	Eb	O	Weathered mafic, slightly silicified	-1	7	29	78	120
3191570	71509	AVEBURY		355400	5357225	1.0	C			MGO	No idea what this was.	-1	5	47	42	27
3191571	71509	AVEBURY		355400	5357250	0.1	Subcrop	Ed	Eb		Silicified mafic?	-1	3	5	13	60
3191572	71509	AVEBURY		355400	5357275	0.9	C	Ed	Eb	O	Weathered mafic	-1	5	5	39	150
3191573	71509	AVEBURY		355400	5357300	1.0	C	Ed	Eb?	GD	Weathered mafic?	-1	15	51	21	93
3191574	71509	AVEBURY		355400	5357325	0.8	C?	Ed	Eb?	GVO	Weathered mafic?	-1	19	48	29	58
3191575	71509	AVEBURY		355400	5357350	0.2	C	Ed	Eb	V	Fresh mafic (basalt) in creek	-1	130	15	27	500
3191576	71509	AVEBURY		355400	5357375	0.0	Outcrop	Ed	Eb	O	Mn staining on fractures. Sample ls from creek bank	-1	8	8	14	485
3191577	71509	AVEBURY		355400	5357400	0.6	C	Ed	Eb	OGV	Weathered mafic	-1	50	170	140	135
3191578	71509	AVEBURY		356600	5357000	0.4	C?	Puo	Ssi	LGO	Siltstone RF's in a sandy matrix	-1	19	3	22	6
3191579	71509	AVEBURY		356600	5357025	0.4	C?	Puo	Ssi	LG	Qtz-veined siltstone in a sandy/clay matrix	-1	1	3	10	6
3191580	71509	AVEBURY		356600	5357050	1.0	C?	Ed	Eb?	LO	Similar to clays on mafics. Could have gone deeper	-1	1	9	54	29
3191581	71509	AVEBURY		356600	5357075	1.0	C?	Puo	Ssi	GW	Banded clay (shale?) Could've gone deeper	-1	1	20	205	580
3191582	71509	AVEBURY		356600	5357100	0.6	C?	Puo	Ssi	BMW	Siltstone & qtz throughout, on edge of creek, thick gravels	-1	1	10	30	53
3191583	71509	AVEBURY		356600	5357125	0.8	C	Ed	Eb	LOGV	Mafic RF's in a clay matrix. Sampled at 7130N	-1	43	36	78	345
3191584	71509	AVEBURY		356600	5357150	0.4	C	Ed	Eb	LOGV	Mafic RF's	-1	120	45	35	285
3191585	71509	AVEBURY		356600	5357175	0.0	Outcrop	Puo	Ssi	D3	Hard siltstone? Weak foln. Hidden under moss in bank	-1	20	6	46	56
3191586	71509	AVEBURY		356600	5357200	0.4	C	Ed	Eb	OAN	Weathered mafic, Mn stained	-1	54	46	125	225
3191587	71509	AVEBURY		356600	5357225	0.7	C	Ed	Eb	O	Weathered mafic. Several blobs of turquoise (2-3mm)	-1	52	76	150	120
3191588	71509	AVEBURY		356600	5357250	0.0	Outcrop	Ed	Eb	O	Weathered mafic. Sample ls from in tree roots next to peg	-1	27	16	-3	230
3191589	71509	AVEBURY		356600	5357275	1.0	C?	Ed	Eb	OMW	Residual from mafic rock. Could've gone deeper.	-1	11	55	69	37
3191590	71509	AVEBURY		356600	5357300	1.0	C?			LOB	Blind clay, well could've gone deeper	-1	9	64	18	51
3191591	71509	AVEBURY		356600	5357325	0.6	C			LEMO	Or patches throughout	-1	3	41	9	40
3191592	71509	AVEBURY		356600	5357350	0.9	C	Ed	Eb	LO	Weathered mafic	-1	10	135	-3	40
3191593	71509	AVEBURY		356600	5357375	1.0	C?	Ed	Eb	LOGV	Weathered mafic, could've gone deeper.	-1	9	150	12	72
3191594	71509	AVEBURY		356600	5357400	0.0	Outcrop	Puo	Ssi	NG	O/c on bank to N is blue/gy siltstone	-1	13	78	56	245
3191595	71509	AVEBURY		356400	5357000	0.4	C	Ed	Eb?	BMO	Crumbly Fe-stone (weathered mafic?)	2	63	20	380	36
3191596	71509	AVEBURY		356400	5357025	0.6	C	Puo	Ssi	LGB	Siltstone & qtz-veined siltstones in top of hole, no RF's at	-1	20	3	210	17
3191597	71509	AVEBURY		356400	5357050	0.6	C?	Ob	Scq	LKJ	Siltstone RF's, minor qtz. Derived from conglomerate	-1	1	5	475	38

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3191598	71509	AVEBURY			356400	5357075	0.9	C	Puo	Ssl	LGWV	Shale & minor qtzite RF's	-1	2		4	220	110
3191599	71509	AVEBURY			356400	5357100	0.3	C?	Puo	Ssl	LG	Otzite & siltstone RF's. Rock or gravels?? Can't penetrate	-1	2		4	130	14
3191600	71509	AVEBURY			356400	5357125	0.0	Outcrop	Puo	Sch?		Fe-stained (fractures), well fractured, silicified rock.	1	180		205	71	82
3307801	71509	AVEBURY			356400	5357150	0.0	Outcrop	Puo	Sch?	NG	Fe-stained, fractured, silicified? Some float looks cherty	1	50		86	63	175
3307802	71509	AVEBURY			356400	5357175	0.0	Outcrop	Puo	Sch?	MGO	Fe-stained, silicified, weird!	-1	190		94	-3	110
3307803	71509	AVEBURY			356400	5357200	0.7	C	Ed	Eb	O	Weathered mafic	-1	15		82	57	51
3307804	71509	AVEBURY			356400	5357225	0.3	C	Ed	Eb	LOGV	Mafic RF's	-1	10		69	130	110
3307805	71509	AVEBURY			356400	5357250	0.4	C?			LCB	Auger stopped on big rock/s (bedrock?)	-1	4		53	13	81
3307806	71509	AVEBURY			356400	5357275	0.7	C	Ed	Eb	LOGV	Weathered mafic RF's	-1	14		155	15	105
3307807	71509	AVEBURY			356400	5357300	1.0	C?	Ed	Eb?	LOGV	Well RF's are mafics? Could've gone deeper	-1	14		110	48	38
3307808	71509	AVEBURY			356400	5357325	1.0	C?			LGB	Well Could've gone deeper. No identifiable RF's	-1	4		12	35	22
3307809	71509	AVEBURY			356400	5357350	1.0	C?	Ed	Eb?	O	Weathered mafic? Wouldn't have gone much deeper	-1	30		97	44	86
3307810	71509	AVEBURY			356400	5357375	0.6	B	Puo	Ssl?	LGW	Otz gravels, some clays & siltstones. Couldn't get deeper.	-1	11		3	-3	2
3307811	71509	AVEBURY			356400	5357400	0.6	C	Puo	Ssl	DGN	Shale RF's (= Ononah Fm?)	-1	-1		3	-3	5
3307812	71509	AVEBURY			356200	5357000	0.4	C	Op	Scg	LGB	Rounded pebbles suggestive of weathered conglomerate	-1	-1		2	25	12
3307813	71509	AVEBURY			356200	5357025	0.9	C?	Oo	Scg	LBK	Rounded siltstone clasts. Edge of ridge.	-1	-1		3	33	17
3307814	71509	AVEBURY			356200	5357050	0.4	C?	Oo	Scg	LOGB	Rounded siltstone & qtz RF's in a sandy clay matrix	-1	-1		3	-3	-2
3307815	71509	AVEBURY			356200	5357075	0.9	C?	Puo	Ssl	LGB	Siltstone RF's, minor qtz	1	1		3	32	7
3307816	71509	AVEBURY			356200	5357100	0.3	C	Puo	Ssl	LGW	Poorly sorted sandstone RF's	6	1		3	10	20
3307817	71509	AVEBURY			356200	5357125	0.0	Outcrop	Ed?	Sch?	M	Totally silicified (cherty?). Lots more in creek. Mafics be	-1	6		16	3	97
3307818	71509	AVEBURY			356200	5357150	1.0	C?	Ed	Eb?	MO	No RF's, weathered mafic? Could've gone deeper	-1	34		210	49	220
3307819	71509	AVEBURY			356200	5357175	0.0	Outcrop	Ed?	Sch?	G	Cherty-looking rock, forms a large cliff	-1	14		69	-3	81
3307820	71509	AVEBURY			356200	5357200	0.2	C	Ed?	Sch?	G	More cherty rock, forms lousy soil.	-1	5		83	7	81
3307821	71509	AVEBURY			356200	5357225	1.0	C	Ed	Eb	MOGV	Weathered mafic	-1	3		105	9	195
3307822	71509	AVEBURY			356200	5357250	1.0	C	Ed	Eb	MOGVW	Weathered mafic	-1	8		65	255	99
3307823	71509	AVEBURY			356200	5357275	0.9	C	Ed	Eb	MOGO	Superficial resemblance to weathered mafics, RF's are sha	-1	10		52	41	43
3307824	71509	AVEBURY			356200	5357300	0.9	C?	Ed	Eb	CGV	Weathered mafic	-1	4		130	19	115
3307825	71509	AVEBURY			356200	5357325	1.0	C?			LGV	Crappy clay. Could've gone deeper.	-1	5		61	13	48
3307826	71509	AVEBURY			356200	5357350	0.8	C	Ed	Eb	LOGV	Weathered mafic?	-1	11		155	27	66
3307827	71509	AVEBURY			356200	5357375	1.0	C?	Ed	Eb	LOGV	Weathered mafic?	-1	13		88	32	79
3307828	71509	AVEBURY			356200	5357400	0.7	C?	Puo	Ssl	O	The low RF's look like shales!	-1	12		115	94	60
3191403	71503	GRUBBS	19400	20000	358684	5358773	0.3	C?			G	Otzite RF's, couldn't get deeper.	-0.5	-1		7	3	14
3191404	71503	GRUBBS	19425	20000	358707	5358769	0.8	C			GW	Black shale RF's present	-0.5	1		7	53	12
3191405	71503	GRUBBS	19450	20000	358730	5358764	0.5	C			G	Greywacke RF's (sst with common mica flakes)	-0.5	-1		6	3	13
3191406	71503	GRUBBS	19475	20000	358753	5358760	0.9	C			GW	Clay, no RF's	-0.5	1		8	42	13
3191407	71503	GRUBBS	19500	20000	358775	5358756	0.9	C			GW	Otz-veined clay with shale RF's	-0.5	1		6	280	9
3191408	71503	GRUBBS	19525	20000	358798	5358752	0.3	C?			GW	Otzite RF's in sand (grindings from auger?)	-0.5	1		6	6	3
3191409	71503	GRUBBS	19550	20000	358821	5358748	0.4	C			GW	Otzite RF's in sand (grindings from auger?)	-0.5	1		7	4	3
3191410	71503	GRUBBS	19575	20000	358844	5358744	0.9	C			GW	Some shale RF's, some vqtz. Couldn't get deeper	-0.5	2		7	240	6
3191411	71503	GRUBBS	19600	20000	358867	5358740	0.5	C			GW	Minor qtz & qtzite, in sand (grindings?)	-0.5	1		6	19	5
3191412	71503	GRUBBS	19625	20000	358889	5358736	0.4	C			GW	Minor qtz & qtzite, in sand (grindings?)	-0.5	-1		6	9	2
3191413	71503	GRUBBS	19650	20000	358912	5358732	2.0	C			YO	Pretty colored clay, no RF's. Crimson Creek??	-0.5	-1		12	32	16
3191414	71505	GRUBBS	19675	20000	358935	5358728	0.5	C			OCB	Weathered mafics (similar to rocks shown to us by Tony Br	-1	-1		6	74	21
3191415	71505	GRUBBS	19700	20000	358958	5358723	0.5	C			N	Shale/slate	1	1		21	615	16
3191416	71505	GRUBBS	19725	20000	358981	5358719	0.0	OUTCROP			N	Sheared Ononah Fm? ie. 10th Legion Thrust?	1	4		57	1150	51
3191417	71505	GRUBBS	19750	20000	359003	5358715	0.2	C			N	Sheared shales? 10th Legion Thrust again?	9	17		72	1050	60
3191418	71505	GRUBBS	19775	20000	359026	5358711	0.9	OUTCROP			N	VFG shale, hard (silic.?). Minor VFG siltides?	1	14		120	360	145
3191419	71505	GRUBBS	19800	20000	359049	5358707	0.4	C			DV	Mainly shale RF's, minor B-hor qtz.	-1	1		5	5	6
3191420	71505	GRUBBS	19825	20000	359072	5358703	0.0	OUTCROP			DV	Sheared blk shale/slate, 10th Legion F?	-1	16		18	16	12
3191421	71505	GRUBBS	19850	20000	359095	5358699	0.0	OUTCROP			N	Blk shale/slate, & siltstones. Some are foliated, some are	1	26		125	120	345
3191422	71505	GRUBBS	19875	20000	359117	5358695	0.0	OUTCROP			N	Blk shale/slate. 10th Legion F still?	1	16		74	810	75
3191423	71505	GRUBBS	19900	20000	359140	5358691	0.0	OUTCROP			LV	Bleached mafic igneous rock, in the wall of roadcut, under	-1	7		105	13	295
3191424	71505	GRUBBS	19925	20000	359163	5358687	0.0	OUTCROP				Very sheared gabbro, augen of undeformed material.	-1	-1		5	16	39
3191425	71505	GRUBBS	19950	20000	359186	5358682	0.0	OUTCROP			N	Blk shale & siltstones. Still part of 10th Legion F?	-1	1		22	17	26
3191426	71505	GRUBBS	20000	20000	359209	5358678	0.0	OUTCROP			DV	Shales, well foliated. Sampled the cutting a few m before	1	-1		14	67	5

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3191427	71505	GRUBBS	20025	20000	359231	5358674	0.5	C	LG	Sand (decomposed qtzite?) & qtz RF's	-1	-1	3	-3	-2
3191428	71505	GRUBBS	20050	20000	359255	5358670	0.5		GB	Shale RF's in clay matrix. Site is 5-10m W of old workings.	-1	-1	3	61	10
3191429	71505	GRUBBS	20075	20000	359281	5358672	0.7		DG	Shale RF's.	-1	7	12	110	125
3191430	71505	GRUBBS	20100	20000	359308	5358673	0.5	C?	LG	Qtz & qtzite RF's	-1	-1	2	41	3
3191431	71505	GRUBBS	20125	20000	359334	5358675	0.7		LG	Shale RF's, min qtz.	-1	-1	-2	94	3
3191432	71505	GRUBBS	20150	20000	359360	5358676	0.7	C?	LGB	Lots of qtz, min qtzite. Matrix is very sandy.	-1	-1	3	4	4
3191433	71505	GRUBBS	20175	20000	359386	5358678	0.4	C?	LGB	Qtz & qtzite RF's, minor shale.	-1	-1	3	12	4
3191434	71505	GRUBBS	20200	20000	359412	5358679	0.7		GB	Mainly shale RF's	-1	-1	3	20	5
3191435	71505	GRUBBS	20225	20000	359439	5358681	0.7		LG	Qtzite RF's, minor qtz & shale.	-1	-1	2	6	3
3191436	71505	GRUBBS	20250	20000	359465	5358682	0.4	C?	LGB	Qtzite RF's in a brown clay matrix. Little/no qtz	-1	-1	2	6	-2
3191437	71505	GRUBBS	20275	20000	359491	5358684	0.4	C?	LG	Qtzite RF's, very minor qtz & shale.	-1	-1	4	3	2
3191438	71505	GRUBBS	20300	20000	359517	5358685	0.3	C?	LG	Solely qtzite RF's, can't get deeper.	-1	-1	3	3	3
3191439	71505	GRUBBS	20325	20000	359543	5358687	0.5	C	GB	Mainly shale RF's, minor qtz & qtzite.	-1	1	2	7	7
3191440	71505	GRUBBS	20350	20000	359570	5358688	0.5	C?	LGB	Qtzite RF's, minor shale & qtz.	-1	-1	3	16	5
3191441	71505	GRUBBS	20375	20000	359596	5358690	0.3	C?	LGB	Dominated by qtzite RF's, rare qtz, no shale in a brown matrix.	-1	-1	2	7	6
3191442	71505	GRUBBS	20400	20000	359622	5358691	0.7	C	DGB	Wet. Sample is from beside a gully. RF's mainly qtzite	-1	-1	2	13	5
3191443	71505	GRUBBS	20425	20000	359648	5358693	0.0	OUTCROP	G	Qtzite. Silica is common on fracture surfaces.	-1	-1	2	8	3
3191444	71505	GRUBBS	20450	20000	359674	5358694	0.0	OUTCROP	LG	Silicified qtzite. Silica in hills fractures. Is from 3m N of	-1	-1	3	45	4
3191445	71505	GRUBBS	20475	20000	359701	5358696	0.3	C	G	Shale RF's	-1	-1	4	200	8
3191446	71505	GRUBBS	20500	20000	359727	5358697	0.0	OUTCROP	LG	Qtz-veined qtzite. Some fractures have a "sulfidic veign"	1	-1	4	7	5
3191447	71505	GRUBBS	20525	20000	359753	5358699	0.2	C	GB	Qtzite RF's	-1	-1	4	11	5
3191448	71505	GRUBBS	20550	20000	359779	5358700	0.8	C?	LGB	Mainly qtzite RF's in a wet clay matrix	-1	-1	2	3	2
3191449	71505	GRUBBS	20580	20000	359805	5358702	0.8	C??	GB	Mainly qtz RF's, minor qtzite & shale, couldn't get deeper	-1	-1	3	4	3
3191450	71505	GRUBBS	20600	20000	359832	5358703	0.6	C?	GB	Qtz & qtzite RF's, minor shale. Couldn't get deeper	-1	-1	3	6	3
3191451	71505	GRUBBS	20625	20000	359858	5358705	0.5	C	LGB	Wet! Mainly qtzite RF's, minor shale & qtz.	-1	-1	4	23	3
3191452	71505	GRUBBS	20650	20000	359884	5358706	0.3	C	LG	Qtzite RF's, qtz veins. No qtz or shale	-1	-1	3	13	5
3191453	71505	GRUBBS	20675	20000	359910	5358708	0.4	C	LG	Qtzite RF's, minor vqiz. All o/c in creek is qtzite.	-1	1	4	14	4
3191454	71505	GRUBBS	20700	20000	359936	5358709	0.6	TRANS?	GB	Qtzite RF's. Took sample on race below peg. Got thru water	-1	2	4	33	6
3191455	71505	GRUBBS	20725	20000	359963	5358711	0.3	C?	LG	Qtzite & shale RF's.	-1	2	3	46	8
3191456	71505	GRUBBS	20800	20000	360068	5358716	0.0	OUTCROP		Qtzite, shale & qtz RF's. Was from a rough channel sample.	-1	1	3	26	8
3191457	71505	GRUBBS	20825	20000	360089	5358724	0.3	C	LGB	Qtzite RF's, minor shale	-1	1	4	15	11
3191458	71505	GRUBBS	20850	20000	360110	5358732	0.6	C	DG	Mainly shale RF's	-1	1	3	44	8
3191459	71505	GRUBBS	20875	20000	360131	5358740	0.6	C	LGB	Mainly bleached-looking shale RF's	-1	1	4	16	7
3191460	71505	GRUBBS	20900	20000	360152	5358748	0.5	C?	GB	Qtzite RF's, rare shale & qtz	-1	1	3	34	4
3191461	71505	GRUBBS	20925	20000	360173	5358756	0.0	OUTCROP	LGW	Qtz-veined qtzite. Some fracture surfaces have a "sulfidic	-1	1	3	26	3
3191462	71505	GRUBBS	20950	20000	360194	5358764	0.8	C	GB	Mainly shale RF's. A baby snake.	-1	1	3	42	7
3191463	71505	GRUBBS	20975	20000	360215	5358772	0.5	C?	GB	Qtzite & qtz RF's. Bottomed on bedrock.	-1	1	4	6	3
3191464	71505	GRUBBS	21000	20000	360236	5358780	0.8	TRANS?	GB	Qtzite, shale & qtz present. Couldn't get deeper.	-1	1	3	46	3
3191465	71505	GRUBBS	21025	20000	360257	5358788	0.5	TRANS?	GB	Lots of qtz RF's	-1	1	4	7	3
3191466	71505	GRUBBS	21050	20000	360278	5358796	0.5	C	LG	Qtzite & minor qtz RF's	-1	1	3	14	3
3191467	71505	GRUBBS	21075	20000	360299	5358804	0.5	C	DNG	Graphitic blk shale.	-1	2	7	100	8
3191468	71505	GRUBBS	21100	20000	360320	5358812	0.4	C	DG	Slightly bleached blk shale	-1	1	3	875	6
3191469	71505	GRUBBS	21125	20000	360341	5358820	0.1	C	LGW	Qtzite, minor qtz veins	-1	1	3	115	4
3191470	71505	GRUBBS	21150	20000	360362	5358828	0.4	C?	GB	Qtzite & qtz RF's.	-1	1	3	27	4
3191471	71505	GRUBBS	21175	20000	360383	5358836	0.8	C	G	Mainly qtzite.	-1	2	3	77	2
3191472	71505	GRUBBS	21200	20000	360404	5358844	0.6	C?	LGB	Mainly qtzite.	-1	1	3	12	2
3191473	71505	GRUBBS	21225	20000	360425	5358852	0.6	C	G	Shale & qtzite RF's, v. minor qtz	-1	1	3	47	4
3191474	71505	GRUBBS	21250	20000	360446	5358860	0.3	C	G	Mainly blk shale.	-1	1	4	29	5
3191475	71505	GRUBBS	21275	20000	360467	5358868	0.3	C	DG	Blk shale (bleached?), minor vqiz.	-1	2	3	68	6
3191476	71505	GRUBBS	21300	20000	360488	5358876	0.5	C	DG	Blk shale. Last 3 samples were across a saddle.	-1	1	5	42	4
3191477	71505	GRUBBS	21325	20000	360510	5358882	0.6	C?	LG	Lots of qtzite, minor qtz, in a clay matrix.	-1	1	3	32	2
3191478	71505	GRUBBS	21350	20000	360540	5358891	0.2	C/bedrock	LG	Qtzite	-1	1	5	27	12
3191479	71505	GRUBBS	21375	20000	360569	5358899	0.0		LGDG	Qtzite.	-1	2	4	37	3
3191480	71505	GRUBBS	21450	20000	360599	5358908	0.7	C	DG	Shales, minor qtz. Is 2m S of small creek.	-1	2	5	26	5
3191481	71505	GRUBBS	21475	20000	360628	5358916	0.4	TRANS?	LG	Big qtz blocks, some qtzite. Couldn't get deeper.	1	3	3	31	-2

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3191482	71505	GRUBBS	21500	20000	360658	5358925	0.6	C	CG	Thinly interbedded siltstones & shales.	-1	3		3	31	2
3191483	71505	GRUBBS	21525	20000	360687	5358934	0.7	C	G	Shale & qtzite (interbedded?), minor qtz	1	3		4	125	2
3191484	71505	GRUBBS	21550	20000	360717	5358942	0.0		G	O/c is qtzite (qtz-veined)	1	3		5	49	-2
3191485	71505	GRUBBS	21575	20000	360746	5358951	0.4	C	DG	Blk shale RF's	1	3		4	515	3
3191486	71505	GRUBBS	21600	20000	360776	5358959	0.3	C	LG	Oxite RF's	1	3		5	53	2
3191487	71505	GRUBBS	21625	20000	360805	5358968	0.2	C	LGB	Oxite RF's, minor vqtz.	1	3		4	34	2
3191488	71505	GRUBBS	21650	20000	360835	5358977	0.4	C	LG	Gy shales.	1	3		4	57	4
3191489	71505	GRUBBS	21675	20000	360864	5358985	0.5	C	GW	Shale, bleached-looking, can't get deeper.	1	3		3	80	3
3191490	71505	GRUBBS	21700	20000	360894	5358994	0.8	C	GW	Oxite, some shale.	1	3		3	28	2
3191491	71505	GRUBBS	21725	20000	360923	5359002	0.5	C?	GB	Oxite & qtz RF's	1	3		4	28	2
3191492	71505	GRUBBS	21750	20000	360953	5359011	0.9	TRANS?	B	Sampled 3m before peg, banks of small creek. Bottomed c	1	3		3	21	2
3191201	71502	SPRAY	21600	9550	360863	5358528	0.3	C	G	1m out of creek. O/c of siltstones. Qtz veins present.	-0.5	6	-10	11	-5	8
3191202	71502	SPRAY	21600	9575	360858	5358552	0.3	C	LG	Siltstone RF's, o/c nearby. Vqtz present.	-0.5	-1	-10	6	-5	9
3191203	71502	SPRAY	21600	9600	360853	5358575	0.2	C	LG	Oxites and slates in RF's and o/c	-0.5	-1	-10	8	13	17
3191204	71502	SPRAY	21600	9625	360848	5358598	0.4	C	DGB	Oxite RF's	-0.5	-1	-10	5	16	11
3191205	71502	SPRAY	21600	9650	360842	5358622	0.1	C	GB	Oxite RF's & o/c	-0.5	1	-10	5	-5	11
3191206	71502	SPRAY	21600	9675	360837	5358645	0.2	C	G	Oxite RF's, minor vqtz	-0.5	2	-10	5	-5	7
3191207	71502	SPRAY	21600	9700	360832	5358669	0.4	C	GB	Oxite RF's	-0.5	1	-10	-5	-5	8
3191208	71502	SPRAY	21600	9725	360827	5358692	0.2	C	GWB	Oxite RF's. 2m from creek	-0.5	4	-10	7	14	10
3191209	71502	SPRAY	21600	9750	360822	5358716	0.3	C	G	Oxite RF's and o/c	-0.5	2	-10	5	20	8
3191210	71502	SPRAY	21600	9775	360817	5358739	0.4	C	G	Oxite RF's	-0.5	2	-10	5	13	8
3191211	71502	SPRAY	21600	9800	360811	5358762	0.5	C	LG	Oxite & shale RF's	-0.5	1	-10	5	18	8
3191212	71502	SPRAY	21600	9825	360806	5358786	0.4	C	G	Oxite & vqtz	-0.5	1	-10	5	21	8
3191213	71502	SPRAY	21600	9850	360801	5358809	0.2	C	LG	Oxite RF's, minor shale & vqtz	-0.5	-1	-10	6	28	7
3191214	71502	SPRAY	21600	9875	360796	5358833	0.4	C	LG	Oxite RF's, minor vqtz	-0.5	1	-10	6	24	8
3191215	71502	SPRAY	21600	9900	360791	5358856	0.3	C	G	Oxite & shale RF's	-0.5	-1	-10	5	27	8
3191216	71502	SPRAY	21600	9925	360786	5358880	0.3	C	G	Dominantly shale RF's	1	-1	-10	7	93	12
3191217	71502	SPRAY	21600	9950	360780	5358903	0.2	C	BG	Veined shales & qtzite RF's & o/c	-0.5	-1	-10	10	10	11
3191218	71502	SPRAY	21600	9975	360775	5358927	0.4	C	LG	Mainly shales. Water in hole.	-0.5	-1	-10	5	36	7
3191219	71502	SPRAY	21600	10000	360770	5358950	0.4	C	LG	Mainly shale RF's	-0.5	-1	-10	6	54	9
3191220	71502	SPRAY	21600	10025	360765	5358973	0.2	C	LG	Mainly shale RF's, o/c is veined qtzite & minor shale	-0.5	-1	-10	6	65	11
3191221	71502	SPRAY	21600	10050	360760	5358997	0.2	C	LG	Mainly shale RF's, o/c is veined qtzite & minor shale	-0.5	-1	-10	5	44	9
3191222	71502	SPRAY	21600	10075	360754	5359020	0.3	TRANS	GB	RF's are qtzite & qtz. O/c is veined qtzite & minor shale	-0.5	-1	-10	5	70	10
3191223	71502	SPRAY	21600	10100	360749	5359044	0.3	C	GB	RF's are qtzite & qtz, o/c is veined qtzite	-0.5	-1	-10	5	27	12
3191224	71502	SPRAY	21600	10125	360744	5359067	0.3	C	GB	Oxite & qtz RF's	-0.5	-1	-10	6	30	10
3191225	71502	SPRAY	21600	10150	360739	5359091	0.3	C	GB	Mainly shale RF's	-0.5	-1	-10	6	47	13
3191226	71502	SPRAY	21600	10175	360734	5359114	0.5	C	DBG	Oxite, shale & qtz RF's	0.5	2	-10	6	245	12
3191227	71502	SPRAY	21600	10200	360729	5359138	0.4	C	BG	Oxite and qtz RF's	-0.5	3	-10	5	635	10
3191228	71502	SPRAY	21600	10225	360723	5359161	0.3	C	DGB	Mainly shale RF's, minor vqtz	-0.5	3	-10	5	250	11
3191229	71502	SPRAY	21600	10250	360718	5359184	0.3	C	DGB	Oxite o/c & RF's	-0.5	3	-10	5	440	13
3191230	71502	SPRAY	21600	10275	360713	5359208	0.1	A/C	DGB	Oxite o/c & RF's	-0.5	-1	-10	-5	14	11
3191231	71502	SPRAY	21600	10300	360708	5359231	0.1	C	G	Mainly shale RF's, shale & vqtz o/c	-0.5	1	-10	-5	16	13
3191232	71502	SPRAY	21600	10325	360703	5359255	0.1	C	G	Oxite, shale & vqtz in o/c & RF's	-0.5	1	-10	-5	15	13
3191233	71502	SPRAY	21600	10350	360698	5359278	0.1	C	G	Oxite & shale o/c. Sample taken 10m S of peg.	-0.5	1	-10	5	16	19
3191234	71502	SPRAY	21600	10375	360692	5359302	0.2	C	BG	Oxite RF's	-0.5	1	-10	5	50	10
3191235	71502	SPRAY	21600	10400	360687	5359325	0.3	C	BG	Oxite & qtz RF's	-0.5	1	-10	-5	30	11
3191236	71502	SPRAY	21600	10425	360682	5359348	0.4	C	BG	Oxite & qtz RF's	-0.5	1	-10	5	58	11
3191237	71502	SPRAY	21600	10450	360677	5359372	0.3	C	BG	Oxite & qtz RF's	-0.5	1	-10	-5	7	11
3191238	71502	SPRAY	21600	10475	360672	5359395	0.1	C	BG	Oxite & qtz RF's	-0.5	1	-10	-5	-5	19
3191239	71502	SPRAY	21600	10500	360667	5359419	0.2	C	G	Oxite & qtz RF's	-0.5	1	-10	5	14	11
3191240	71502	SPRAY	21600	10525	360661	5359442	0.2	C	LG	Oxite & qtz RF's	-0.5	1	-10	8	17	11
3191241	71502	SPRAY	21600	10550	360656	5359466	0.3	C	GB	Oxite & qtz RF's	-0.5	-1	-10	-5	12	5
3191242	71502	SPRAY	21600	10575	360651	5359489	0.3	C	G	Oxite & qtz RF's	-0.5	-1	-10	-5	15	9
3191243	71502	SPRAY	21600	10600	360646	5359513	0.1	A/C	BG	Oxite & qtz RF's	-0.5	-1	-10	5	19	5
3191244	71502	SPRAY	21600	10625	360641	5359536	0.2	C	GB	Oxite & qtz RF's	-0.5	-1	-10	-5	43	5

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3191245	71502	SPRAY	21600	10650	360636	5359559	0.4	C		CB	Qtzite & qtz RF's	-0.5	-1	-10	5	22	8
3191246	71502	SPRAY	21600	10675	360630	5359583	0.4	C		BG	Qtzite & qtz RF's	-0.5	-1	-10	-5	9	10
3191247	71502	SPRAY	21600	10700	360625	5359605	0.2	C		BG	Qtzite & qtz RF's	-0.5	-1	-10	7	5	12
3191248	71502	SPRAY	21600	10725	360620	5359630	0.3	C		BG	Qtzite & qtz RF's	0.5	-1	-10	-5	26	21
3191249	71502	SPRAY	21600	10750	360615	5359653	0.3	C		BG	Qtzite & qtz RF's	0.5	-1	-10	5	8	10
3191250	71502	SPRAY	21600	10775	360610	5359677	0.3	C		LBG	Qtzite & qtz RF's	0.5	-1	-10	-5	16	9
3191251	71502	SPRAY	21600	10800	360605	5359700	0.2	C		LBG	Qtzite & qtz RF's	-0.5	-1	-10	5	11	9
3191252	71502	SPRAY	21600	10825	360599	5359724	0.2	C		LBG	Qtzite & qtz RF's	-0.5	-1	-10	-5	17	8
3191253	71502	SPRAY	21600	10850	360594	5359747	0.2	C		BG	Qtzite & qtz RF's	9	-1	-10	-5	-5	7
3191254	71502	SPRAY	21600	10875	360589	5359770	0.3	C		BG	Qtzite & qtz RF's	-0.5	-1	-10	-5	6	5
3191255	71502	SPRAY	21600	10900	360584	5359794	0.3	C		LBG	Mainly shale RF's	-0.5	-1	-10	5	27	11
3191256	71502	SPRAY	21600	10925	360579	5359817	0.3	C		LBG	Qtzite & qtz RF's	-0.5	-1	-10	-5	-5	6
3191257	71502	SPRAY	21600	10950	360574	5359841	0.3	C?		LBG	Qtzite & qtz RF's. Sample taken on bank above road.	-0.5	-1	-10	-5	-5	7
3191258	71502	STONE-ENG	11900	5490	359653	5359739	0.3	C		LG	Qtzite RF's	-0.5	-1	-10	5	15	8
3191259	71502	STONE-ENG	11900	5480	359650	5359730	0.1	C		LG	Decomposed shale RF's, minor Qtzite & qtz	-0.5	-1	-10	-5	-5	11
3191260	71502	STONE-ENG	11900	5470	359646	5359721	0.2	C		G	Mainly shale, minor qtzite	-0.5	-1	-10	-5	-5	11
3191261	71502	STONE-ENG	11900	5460	359643	5359711	0.2	C		BG	Qtzite RF's	-0.5	-1	-10	-5	-5	8
3191262	71502	STONE-ENG	11900	5450	359640	5359702	0.3	C		CBG	Qtzite RF's	-0.5	-1	-10	-5	-5	6
3191263	71502	STONE-ENG	11900	5440	359636	5359693	0.4	C		LBG	Mainly shale RF's	-0.5	-1	-10	-5	6	8
3191264	71502	STONE-ENG	11900	5430	359633	5359683	0.4	C		DGB	Mainly shale RF's, Sample is in a small gully.	-0.5	-1	-10	-5	5	10
3191265	71502	STONE-ENG	11900	5420	359629	5359674	0.5	C		DGB	Qtzite & qtz RF's	-0.5	-1	-10	-5	-5	7
3191266	71502	STONE-ENG	11900	5410	359626	5359664	0.5	C		DGB	Qtzite & qtz RF's	-0.5	-1	-10	-5	-5	6
3191267	71502	STONE-ENG	11900	5400	359623	5359655	0.2	C		DGB	Qtzite & qtz RF's	-0.5	-1	-10	6	-5	8
3191268	71502	STONE-ENG	11900	5200	359554	5359467	0.3	C		B	Mainly qtz, minor shale & qtzite	-0.5	-1	-10	5	-5	8
3191269	71502	STONE-ENG	11900	5190	359551	5359458	0.3	C		DB	Qtz & qtzite RF's. Auger couldn't get deeper.	-0.5	-1	-10	5	-5	10
3191270	71502	STONE-ENG	11900	5180	359547	5359448	0.2	TRANS?		DB	RF's all qtz, but couldn't get auger deeper.	-0.5	-1	-10	5	-5	8
3191271	71502	STONE-ENG	11900	5170	359544	5359439	0.5	TRANS?		DB	Qtz RF's	-0.5	-1	-10	5	-5	9
3191272	71502	STONE-ENG	11900	5160	359540	5359429	0.3	TRANS?		B	Qtz RF's	-0.5	-1	-10	9	5	23
3191273	71502	STONE-ENG	11900	5150	359537	5359420	0.8	TRANS?		DB	Mainly qtz, minor qtzite. Sample is in gully	-0.5	-1	-10	5	-5	7
3191274	71502	STONE-ENG	11900	5130	359530	5359401	0.7	TRANS?		DB	Mainly qtz, minor qtzite RF's. Water problem at 5140N	0.5	-1	-10	-5	-5	5
3191275	71502	STONE-ENG	11900	5120	359527	5359392	0.7	C		DB	Qtzite & qtz RF's	0.5	-1	-10	-5	8	6
3191276	71502	STONE-ENG	11900	5110	359523	5359382	0.5	TRANS?		B	Mainly qtz RF's, couldn't get deeper	-0.5	-1	-10	5	-5	7
3191277	71502	STONE-ENG	11900	5100	359520	5359373	0.7	TRANS?		LB	Sand & qtz RF's	-0.5	-1	-10	-5	6	8
3191278	71502	STONE-ENG	11900	5090	359517	5359364	0.3	C		CB	Sand & qtz RF's	-0.5	-1	-10	-5	-5	-5
3191279	71502	STONE-ENG	11900	5080	359513	5359354	0.5	TRANS?		B	Qtz RF's. Couldn't get deeper	-0.5	-1	-10	5	-5	7
3191280	71502	STONE-ENG	11900	5070	359510	5359345	0.3	TRANS?		B	Lots of qtz RF's. Starting to go uphill again.	-0.5	-1	-10	-5	-5	8
3191281	71502	STONE-ENG	11900	5060	359506	5359335	0.3	TRANS?		B	Mainly qtz RF's	-0.5	-1	-10	5	-5	7
3191282	71502	STONE-ENG	11900	5050	359503	5359326	0.4	TRANS?		B	Mainly qtz RF's, minor qtzite. Very wet	-0.5	-1	-10	-5	-5	-5
3191283	71502	STONE-ENG	11900	5040	359499	5359317	0.4	TRANS?		B	Lots of qtz still, but lots more clay.	0.5	-1	-10	-5	-5	-5
3191284	71502	STONE-ENG	11900	5030	359496	5359307	0.5	TRANS?		B	Mainly sand, some qtz	5.5	-1	-10	22	84	8
3191285	71502	STONE-ENG	11900	5020	359493	5359298	0.6	C		N	Graphitic black shale.	2	-1	-10	15	42	46
3191286	71502	STONE-ENG	11900	5010	359489	5359288	0.5	TRANS		DB	Qtz RF's	-0.5	-1	-10	5	-5	8
3191287	71502	STONE-ENG	11900	5000	359486	5359279	0.4	TRANS		B	Qtz RF's	-0.5	-1	-10	-5	-5	5
3191288	71502	STONE-ENG	11900	4990	359482	5359270	0.6	C		N	Black shale	-0.5	-1	-10	-5	22	7
3191289	71502	STONE-ENG	11900	4980	359479	5359260	0.4	TRANS		B	Qtz RF's, minor qtzite	-0.5	-1	-10	-5	-5	7
3191290	71502	STONE-ENG	11900	4970	359475	5359251	0.3	TRANS?		B	Lots of qtz, more qtzite than usual	-0.5	-1	-10	-5	-5	8
3191291	71502	STONE-ENG	11900	4960	359472	5359241	0.6	C?		B	Qtzite, qtz & shale RF's	-0.5	-1	-10	5	-5	7
3191292	71502	STONE-ENG	11900	4950	359469	5359232	0.4	TRANS?		CB	Qtz & qtzite RF's	-0.5	-1	-10	-5	-5	7
3191293	71502	STONE-ENG	11900	4950	359469	5359232	0.3	TRANS?		B	Lots of qtz, minor qtzite, couldn't get deeper.	-0.5	-1	-10	-5	-5	6
3191294	71502	STONE-ENG	11700	4960	359284	5359310	0.5	C		GBN	Sandy layer above a black shale	35	-1	-10	-5	115	6
3191295	71502	STONE-ENG	11700	4970	359288	5359319	0.4	C		BG	Mainly qtzite, minor shale	1.5	-1	-10	-5	11	8
3191296	71502	STONE-ENG	11700	4980	359291	5359329	0.6	C		B	Weathered shale	1	-1	-10	-5	12	8
3191297	71502	STONE-ENG	11700	4990	359294	5359338	0.2	C?		LG	Qtzite & qtz RF's	8.5	-1	-10	-5	-5	-5
3191298	71502	STONE-ENG	11700	5000	359298	5359347	0.4	C		CB	Mainly qtzite, minor shale & qtz	2	-1	-10	-5	920	10
3191299	71502	STONE-ENG	11700	5010	359301	5359357	0.3	C		CB	Qtzite & qtz RF's	0.5	-1	-10	-5	17	8

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3191300	71502	STONEHENGE	11700	5020	359305	5359366	0.4	C?		WG	White & grey clay, then a hard (impenetrable) surface	0.5	-1	-10	-5	7	7
3191301	71502	STONEHENGE	11700	5030	359308	5359376	0.5	C		CB	Shale RF's	-0.5	-1	-10	-5	58	8
3191302	71502	STONEHENGE	11700	5040	359311	5359385	0.4	C		W	Shale RF's	0.5	1	-10	-23	370	16
3191303	71502	STONEHENGE	11700	5050	359315	5359394	0.3	C		LBG	Weathered shale & qtz RF's	-0.5	3	-10	7	1470	19
3191304	71502	STONEHENGE	11800	5400	359529	5359689	0.4	TRANS		BG	Mainly qtz RF's	-0.5	-1	-10	-5	-5	6
3191305	71502	STONEHENGE	11800	5410	359532	5359699	0.5	TRANS?		BO	Qtzite & qtz RF's, couldn't get deeper	-0.5	-1	-10	-5	41	7
3191306	71502	STONEHENGE	11800	5420	359535	5359708	0.3	C		LG	Qtzite RF's, minor shale	-0.5	-1	-10	-5	34	5
3191307	71502	STONEHENGE	11800	5430	359539	5359717	0.4	C		GW	Mainly shale	-0.5	-1	-10	-5	150	7
3191308	71502	STONEHENGE	11800	5440	359542	5359727	0.4	TRANS		DB	Mainly qtz	-0.5	-1	-10	-5	-5	8
3191309	71502	STONEHENGE	11800	5450	359546	5359736	0.8	C		B	Weathered shale	-0.5	-1	-10	-5	11	6
3191310	71502	STONEHENGE	11800	5460	359549	5359746	0.2	C		CB	Mainly qtzite, minor qtz	-0.5	-1	-10	-5	9	5
3191311	71502	STONEHENGE	11800	5470	359553	5359755	0.5	TRANS?		G	Qtz & qtzite RF's	-0.5	-1	-10	-5	8	6
3191312	71502	STONEHENGE	11800	5480	359556	5359764	0.2	TRANS?		B	Qtzite RF's & o/c	-0.5	-1	-10	-5	10	6
3191313	71502	STONEHENGE	11800	5490	359559	5359774	0.2	C		G	Mainly shale RF's, minor qtz	-0.5	-1	-10	-5	62	6
3191314	71502	STONEHENGE	11800	5500	359563	5359783	0.3	C?		CB	Qtz, shale & qtzite RF's	-0.5	-1	-10	-5	39	6
3191315	71502	STONEHENGE	11800	5300	359306	5359664	0.5	C		G	Qtzite & shale RF's	-0.5	-1	-10	-5	6	-5
3191316	71502	STONEHENGE	11600	5310	359310	5359673	0.5	C		CB	Qtzite & qtz RF's	-0.5	-1	-10	-5	-5	7
3191317	71502	STONEHENGE	11600	5320	359313	5359682	0.2	C		G	Qtzite & shale RF's. Sample is from on creek bank	-0.5	-1	-10	-5	6	18
3191318	71502	STONEHENGE	11600	5330	359317	5359692	0.3	C		G	Mainly shale RF's, minor qtzite & qtz	0.5	1	-10	-5	28	6
3191319	71502	STONEHENGE	11600	5340	359320	5359701	0.3	C		G	Qtzite, shale & qtz RF's	0.5	-1	-10	-5	25	5
3191320	71502	STONEHENGE	11800	5350	359324	5359711	0.5	C		N	Graphitic black shale	4	1	-10	-5	31	10
3191321	71502	STONEHENGE	11600	5360	359327	5359720	0.5	C		G	Shale RF's. Couldn't get deeper	1	-1	-10	-5	180	9
3191322	71502	STONEHENGE	11600	5370	359330	5359729	0.5	C		CB	Shale RF's, minor qtzite & qtz. Wet	1.5	-1	-10	-5	135	7
3191323	71502	STONEHENGE	11600	5380	359334	5359739	0.4	C		CB	Mainly qtzite & qtz RF's. Mullock to W entirely blk shale	-0.5	-1	-10	-5	14	5
3191324	71502	STONEHENGE	11600	5390	359337	5359748	0.6	TRANS?		LBG	Qtzite, shale & qtz RF's	-0.5	-1	-10	-5	5	5
3191325	71502	STONEHENGE	11600	5400	359341	5359758	0.8	C		N	Black shale	-0.5	-1	-10	-5	31	8
3191326	71502	STONEHENGE	11500	4950	359093	5359369	0.2	C		N	Black shale, no overlying qtz-rich horizon.	0.5	2	-10	6	73	10
3191327	71502	STONEHENGE	11500	4960	359096	5359378	0.6	C		DG	Black shale	1.5	1	-10	5	215	10
3191328	71502	STONEHENGE	11500	4970	359100	5359388	0.4	C		DG	Black shale RF's	1.5	1	-10	7	100	13
3191329	71502	STONEHENGE	11500	4980	359103	5359397	0.4	C		BG	Qtzite & shale	0.5	-1	-10	-5	115	8
3191330	71502	STONEHENGE	11500	4990	359106	5359406	0.4	C		G	Grey shale	0.5	-1	-10	-5	155	5
3191331	71502	STONEHENGE	11500	5000	359110	5359416	0.7	C		BG	Mainly qtz RF's, minor qtzite	-0.5	-1	-10	-5	72	-5
3191332	71502	STONEHENGE	11500	5010	359113	5359425	0.3	C?		GW	Clay & qtz RF's. Some qtz is clear, some milky	1	1	-10	-5	40	7
3191333	71502	STONEHENGE	11500	5020	359117	5359435	0.5	C		LBG	Qtzite & qtz, minor shale RF's	0.5	1	-10	-5	60	7
3191334	71502	STONEHENGE	11500	5030	359120	5359444	0.3	TRANS		B	Qtz RF's in clay matrix. Couldn't get deeper	-0.5	-1	-10	-5	14	5
3191335	71502	STONEHENGE	11500	5040	359124	5359453	0.3	C		G	Shale & qtz veins	-0.5	1	-10	-5	89	8
3191336	71502	STONEHENGE	11500	5050	359127	5359463	0.9	C		OY	Black shale RF's	-0.5	48	-10	86	120	41
3191337	71503	STONEHENGE	11600	5000	359204	5359382	0.4	C		LG	Dominantly qtzite RF's	4	1		3	35	9
3191338	71503	STONEHENGE	11600	5010	359207	5359391	0.5	C		LB	Blue/grey shale, some qtz, clay	2	1		50	175	10
3191339	71503	STONEHENGE	11600	5020	359211	5359400	0.5	C		CB	Black shale RF's in clay. Sample at 11605E	1	-1		9	205	10
3191340	71503	STONEHENGE	11600	5040	359218	5359419	0.6	C?		CB	Mainly shale RF's, minor qtzite & qtz. 5030N is creek	-0.5	2		14	190	17
3191341	71503	STONEHENGE	11600	5050	359221	5359429	0.5	C		CB	Shale RF's in clay, minor qtz	-0.5	2		7	2400	28
3191342	71503	STONEHENGE	11600	5060	359224	5359438	0.4	C		GW	Mainly clay, minor shale RF's	-0.5	1		5	71	21
3191343	71503	STONEHENGE	11600	5070	359228	5359447	0.7	C?		O	Orange clay, with no real RF's. Crimson Creek ???	-0.5	19		53	1240	28
3191344	71503	STONEHENGE	11600	5080	359231	5359457	0.4	C?		O	Orange clay, with some white specks. Crimson Creek?	-0.5	130		72	960	58
3191345	71503	STONEHENGE	11800	5090	359235	5359466	0.3	C?		O	Crimson Creek?	-0.5	38		11	1780	24
3191346	71503	STONEHENGE	11800	5100	359238	5359476	0.4	C?		O	Crimson Creek?	-0.5	10		14	320	25
3191347	71503	STONEHENGE	11000	4750	358555	5359352	1.2	C?		DB	Clay with mainly shale RF's	2	22		51	220	255
3191348	71503	STONEHENGE	11000	4760	358558	5359361	0.9	C?		LBG	Clay with RF's of black shale. Minor qtz. Green clay clots	15	7		51	300	50
3191349	71503	STONEHENGE	11000	4770	358561	5359371	0.6	C?		LB	Mainly qtzite, minor shale & qtz	2	7		21	140	35
3191350	71503	STONEHENGE	11000	4780	358565	5359380	0.8	C?		GB	Mainly qtzite & shale RF's in clay.	3	6		62	365	85
3191351	71503	STONEHENGE	11000	4790	358568	5359390	0.8	TRANS?		DB	Qtz & qtzite	-0.5	5		16	48	35
3191352	71503	STONEHENGE	11000	4830	358582	5359427	0.3	C?		GV	Ironstone & qtz, minor shale RF's. Crimson Creek??	-0.5	400		36	5	290
3191353	71503	STONEHENGE	11000	4840	358585	5359437	0.9	C?		LGVV	Weird colored clay, no RF's. Crimson Creek?	-0.5	280		92	48	170
3191354	71503	STONEHENGE	11000	4850	358589	5359446	0.7	C		CB	Ironstone (gossanous??) on the edge of an old trench.	-1	3050		420	1830	1070

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3191355	71503	STONEHENGE	11000	4860	358592	5359455	2.0	C	GVO	Clay, no RF's. Crimson Creek?	1	56	62	74	215
3191356	71503	STONEHENGE	11000	4870	358596	5359465	2.0	C	O	Clay with spots of gy/wh clay. Crimson Creek?	-0.5	35	120	40	215
3191357	71503	STONEHENGE	11000	4880	358599	5359474	2.0	C	O	Clay. Crimson Creek?	-0.5	14	215	155	210
3191358	71503	STONEHENGE	11000	4890	358602	5359483	2.0	C	GWO	Clay, with vq/z fragments. Crimson Creek?	-0.5	130	130	64	41
3191359	71503	STONEHENGE	11000	4900	358606	5359493	2.0	C	GV	Small black RF's in clay. Crimson Creek?	-0.5	56	115	965	72
3307829	71509	STONEHENGE	11100	5000	358734	5359553	0.2	C?	LG	Qtzite & qtz RF's. I think this is just gravels, but ...	-1	3	4	-3	2
3307830	71509	STONEHENGE	11100	4975	358725	5359529	0.4	C?	LGW	Qtzite & qtz RF's. I think this is just gravels, but ...	-1	-1	3	-3	2
3307831	71509	STONEHENGE	11100	4950	358717	5359508	0.4	TRANS	GB	Qtz RF's in a sandy matrix. Couldn't penetrate the gravels.	-1	1	4	-3	3
3307832	71509	STONEHENGE	11100	4925	358708	5359482	0.5	TRANS	GB	Mainly qtz RF's. Can't pass large rocks, not bedrock.	-1	-1	4	-3	3
3307833	71509	STONEHENGE	11100	4900	358700	5359459	0.4	C?	LGW	Qtzite & qtz RF's. Feels more like bedrock, but...	-1	-1	5	-3	4
3307834	71509	STONEHENGE	11100	4875	358691	5359435	0.5	C?	LGB	Qtzite & qtz RF's in a sandy matrix. Not bedrock?	-1	-1	4	-3	3
3307835	71509	STONEHENGE	11100	4850	358683	5359412	0.9	C?	LGV	Weathered mafic? Could've gone deeper	-1	17	165	4	160
3307836	71509	STONEHENGE	11100	4825	358674	5359388	1.0	C?	LG&O	Looks like weathered shales?, but may be weathered mafic	1	140	21	175	79
3307837	71509	STONEHENGE	11100	4800	358668	5359365	0.4	C?	GVO	Weathered mafic? Some qtz frags. May just be a very wet	-1	110	22	160	145
3307838	71509	STONEHENGE	11100	4775	358657	5359341	0.4	C?	LD	Weathered mafic rock? Couldn't get deeper	-1	200	34	84	470
3307839	71509	STONEHENGE	11100	4750	358648	5359318	0.8	C	MVOB	Lots of gn clays, looks like weathered mafic. Couldn't get	3	14	110	140	610
3191360	71503	SUNSHINE	21150	10800	359848	5359456	0.2	C	DG	Shale RF's	1	11	11	230	59
3191361	71503	SUNSHINE	21150	10700	359919	5359376	1.0	TRANS?	B	Qtzite, qtz & shale RF's	-0.5	36	10	71	225
3191362	71503	SUNSHINE	21150	10675	359937	5359356	1.1	TRANS?	DB	Mainly shale & qtz RF's. Couldn't get deeper.	-0.5	43	12	86	280
3191363	71503	SUNSHINE	21150	10650	359955	5359336	1.0	C?	EG	Qtzite RF's & qtz in clay. Nearly out of the swamp.	-0.5	15	6	64	26
3191364	71503	SUNSHINE	21150	10625	359973	5359318	0.5	C?	LBG	Qtzite & qtz RF's	-0.5	3	5	57	8
3191365	71503	SUNSHINE	21150	10600	359990	5359296	0.5	C	O	Crimson Creek RF's	-0.5	220	6	41	1190
3191366	71503	SUNSHINE	21150	10500	360061	5359216	1.7	C	V	Pyritic graphitic shale. Two galena specks? Mine dump?	8	75	150	1340	7650
3191367	71503	SUNSHINE	21150	10475	360079	5359196	0.5	C?	GB	Qtzite & qtz RF's	-0.5	1	5	11	13
3191368	71503	SUNSHINE	21150	10450	360097	5359178	0.6	C?	GW	Qtzite & qtz RF's	-0.5	22	5	13	13
3191369	71503	SUNSHINE	21150	10425	360115	5359156	0.6	C?	G	Qtzite & qtz RF's	-0.5	2	5	25	11
3191370	71503	SUNSHINE	21150	10400	360133	5359136	0.5	C?	G	Qtzite & qtz RF's	-0.5	2	5	30	11
3191371	71503	SUNSHINE	21150	10375	360150	5359116	0.7	C	GW	Shaley RF's, vary clayey. Couldn't get deeper	-0.5	2	8	58	26
3191372	71503	SUNSHINE	21150	10350	360168	5359096	0.1	C	G	Qtzite & some qtz. Qtzite o/c	-0.5	3	7	69	17
3191373	71503	SUNSHINE	21150	10325	360186	5359076	0.2	C	GW	Qtzite & some qtz. Qtzite o/c	-0.5	3	7	335	13
3191374	71503	SUNSHINE	21150	10300	360204	5359056	0.1	C?	GW	Qtzite & some qtz.	-0.5	2	9	18	15
3191375	71503	SUNSHINE	21150	10275	360221	5359036	0.2	C	GW	Qtzite & some qtz.	-0.5	1	6	15	10
3191376	71503	SUNSHINE	21150	10250	360239	5359016	0.5	C	LBG	Grey shales.	-0.5	2	7	16	12
3191377	71503	SUNSHINE	21150	10225	360257	5358996	0.4	C	G	Grey shales.	-0.5	1	6	18	11
3191378	71503	SUNSHINE	21150	10200	360275	5358976	0.4	C	N	Black shale	-0.5	2	8	51	13
3191379	71503	SUNSHINE	21150	10175	360293	5358956	0.3	C	LG	Qtzite RF's, minor qtz	-0.5	2	5	25	17
3191380	71503	SUNSHINE	21150	10150	360310	5358936	0.2	C	LG	Qtzite RF's, minor qtz	-0.5	2	8	45	15
3191381	71503	SUNSHINE	21150	10125	360328	5358916	0.5	C?	GW	Qtzite & qtz RF's	-0.5	2	6	4	13
3191382	71503	SUNSHINE	21150	10100	360346	5358896	0.3	C	LG	Qtzite RF's	-0.5	2	8	36	11
3191383	71503	SUNSHINE	21150	10075	360364	5358876	0.4	C	DG	Shales	-0.5	1	5	27	10
3191384	71503	SUNSHINE	21150	10050	360381	5358856	0.3	C?	GB	Qtz & qtzite RF's. Couldn't get deeper	-0.5	2	7	23	7
3191385	71503	SUNSHINE	21150	10025	360399	5358836	0.7	C?	GW	Qtzite & qtz RF's	1	1	9	17	9
3191386	71503	SUNSHINE	21150	10000	360417	5358816	0.4	C?	GB	Qtz & qtzite RF's	-0.5	1	7	12	11
3191387	71503	SUNSHINE	21150	9975	360435	5358796	0.4	C	LG	Mainly shale RF's	2	1	6	19	7
3191388	71503	SUNSHINE	21150	9950	360453	5358776	0.4	C?	G	Qtzite & qtz RF's	-0.5	1	6	15	8
3191389	71503	SUNSHINE	21150	9925	360470	5358756	0.6	C?	GW	Qtzite & qtz RF's	-0.5	1	7	19	6
3191390	71503	SUNSHINE	21150	9900	360488	5358736	0.2	C	DG	Shale RF's & o/c	-0.5	1	7	46	10
3191391	71503	SUNSHINE	21150	9875	360506	5358716	0.2	C	EG	Qtzite, shale & qtz in RF's and in o/c	-0.5	1	7	15	8
3191392	71503	SUNSHINE	21150	9850	360524	5358696	0.2	C	GB	Qtzite & qtz	-0.5	1	7	23	13
3191393	71503	SUNSHINE	21150	9825	360541	5358676	0.2	C?	B	Qtzite & qtz RF's	-0.5	1	8	22	6
3191394	71503	SUNSHINE	21150	9800	360559	5358656	0.3	C	V	Black shale.	-0.5	2	7	75	8
3191395	71503	SUNSHINE	21150	9775	360577	5358636	0.3	C	G	Grey shales that stink!	-0.5	1	8	74	15
3191396	71503	SUNSHINE	21150	9750	360595	5358616	0.4	C	GB	Qtzite, minor qtz RF's	-0.5	1	7	38	9
3191397	71503	SUNSHINE	21150	9725	360613	5358596	0.3	C	GW	Qtzite, minor qtz RF's	-0.5	1	7	82	13
3191398	71503	SUNSHINE	21150	9700	360630	5358576	0.2	TRANS?	B	Qtzite & qtz RF's, also same in o/c	-0.5	1	6	32	13

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APPENDIX 2 - SOIL SAMPLING LEDGERS AND GEOCHEMISTRY

3191399	71503	SUNSHINE	21150	9675	360648	5358556	0.5	C			GB	Qtzite & qtz RF's	-0.5	1		6	76	9
3191400	71503	SUNSHINE	21150	9650	360666	5358536	0.5	C			G	Shale RF's	-0.5	1		7	17	10
3191401	71503	SUNSHINE	21150	9625	360684	5358516	0.2	C			G	Shale RF's	-0.5	1		7	31	12
3191402	71503	SUNSHINE	21150	9600	360701	5358496	0.4	TRANS?			GB	Qtzite RF's, couldn't get deeper.	-0.5	1		6	15	15

APPENDIX 3

RGK SOIL SAMPLING LEDGERS AND GEOCHEMISTRY

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

COMPETITOR OPEN-FILE SOIL DATABASE													
DATABASE LAST UPDATED ON 6/7/92													
RESULTS IN PPM													
SAMPNO	COMPANY	EL	GRID	LOCALE	LOCALN	AMGE	AMGN	DEPTH	COLOUR	Cu	Pb	Zn	Sn
428	RGC	EL11/76	STONEHENGE	10000	4800	357632	5359741	0.9	GV	80	110	140	-10
427	RGC	EL11/76	STONEHENGE	10000	4825	357640	5359764	1	GV	70	150	150	-10
426	RGC	EL11/76	STONEHENGE	10000	4850	357649	5359788	1	W	60	200	130	-10
425	RGC	EL11/76	STONEHENGE	10000	4875	357658	5359811	0.8	W	60	590	120	10
424	RGC	EL11/76	STONEHENGE	10000	4900	357666	5359835	1	W	100	160	260	10
423	RGC	EL11/76	STONEHENGE	10000	4925	357675	5359858	0.7	GB	10	140	20	-10
422	RGC	EL11/76	STONEHENGE	10000	4950	357683	5359882	1.3	N	70	140	190	30
429	RGC	EL11/76	STONEHENGE	10000	4975	357692	5359905	0.8	G	50	70	160	-10
430	RGC	EL11/76	STONEHENGE	10000	5000	357700	5359929	0.8	GW	-10	200	20	-10
431	RGC	EL11/76	STONEHENGE	10000	5025	357709	5359952	1.5	BW	20	200	30	-10
432	RGC	EL11/76	STONEHENGE	10000	5050	357717	5359976	1.5	G	-10	1250	-10	-10
433	RGC	EL11/76	STONEHENGE	10000	5075	357726	5359999	1.2	GB	-10	1130	10	-10
447	RGC	EL11/76	STONEHENGE	10200	4800	357820	5359673	0.5	YB	20	120	160	10
446	RGC	EL11/76	STONEHENGE	10200	4825	357828	5359696	0.3	GV	20	3220	7600	10
445	RGC	EL11/76	STONEHENGE	10200	4850	357837	5359720	0.8	GV	20	600	210	10
444	RGC	EL11/76	STONEHENGE	10200	4875	357846	5359743	0.6	B	20	620	60	10
443	RGC	EL11/76	STONEHENGE	10200	4900	357854	5359767	0	YGV	50	70	170	10
442	RGC	EL11/76	STONEHENGE	10200	4925	357863	5359790	1.3	LGV	-10	60	10	20
441	RGC	EL11/76	STONEHENGE	10200	4950	357871	5359813	0.6		-10	-10	-10	60
440	RGC	EL11/76	STONEHENGE	10200	4975	357880	5359837	0.6		-10	30	10	10
439	RGC	EL11/76	STONEHENGE	10200	5000	357888	5359860	1.2	G	-10	100	-10	-10
438	RGC	EL11/76	STONEHENGE	10200	5025	357897	5359884	1.2	WB	-10	330	-10	10
437	RGC	EL11/76	STONEHENGE	10200	5050	357905	5359907	1	WB	-10	70	10	-10
436	RGC	EL11/76	STONEHENGE	10200	5075	357914	5359931	1.5	WB	-10	610	10	-10
435	RGC	EL11/76	STONEHENGE	10200	5100	357922	5359954	0.4	GW	-10	30	-10	-10
434	RGC	EL11/76	STONEHENGE	10200	5125	357931	5359978	1.5	N	60	400	180	-10
452	RGC	EL11/76	STONEHENGE	10400	4800	358008	5359604	1.3	LV	50	100	90	10
451	RGC	EL11/76	STONEHENGE	10400	4825	358016	5359628	1.5	LV	80	160	140	10
450	RGC	EL11/76	STONEHENGE	10400	4850	358025	5359651	1	V	70	270	1070	10
449	RGC	EL11/76	STONEHENGE	10400	4875	358033	5359675	1.5	BV	410	1720	3750	-10
448	RGC	EL11/76	STONEHENGE	10400	4900	358042	5359698	1.1	WV	20	140	160	10
453	RGC	EL11/76	STONEHENGE	10400	4925	358051	5359722	0.6	DB	410	1950	630	-10
454	RGC	EL11/76	STONEHENGE	10400	4950	358059	5359745	1.6	W	-10	30	20	-10
455	RGC	EL11/76	STONEHENGE	10400	4975	358068	5359769	1.3	W	-10	20	10	-10
456	RGC	EL11/76	STONEHENGE	10400	5000	358076	5359792	0.9	W	30	40	10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

457	RGC	EL11/76	STONEHENGE	10400	5025	358085	5359816	0.5	W	-10	-10	-10	-10
458	RGC	EL11/76	STONEHENGE	10400	5050	358093	5359839	1.5	LVW	-10	160	-10	-10
459	RGC	EL11/76	STONEHENGE	10400	5075	358102	5359863	0.5	G	-10	10	20	-10
460	RGC	EL11/76	STONEHENGE	10400	5100	358110	5359886	1.5	G	10	240	30	-10
461	RGC	EL11/76	STONEHENGE	10400	5125	358119	5359910	0.5	G	50	130	30	-10
462	RGC	EL11/76	STONEHENGE	10400	5150	358128	5359933	0.6	G	-10	20	-10	-10
463	RGC	EL11/76	STONEHENGE	10400	5175	358136	5359957	1.4	G	10	40	30	-10
464	RGC	EL11/76	STONEHENGE	10400	5200	358145	5359980	1.1	B	50	100	-10	-10
488	RGC	EL11/76	STONEHENGE	10600	4700	358162	5359442	0.2		-10	-10	-10	-10
487	RGC	EL11/76	STONEHENGE	10600	4725	358170	5359465	0.3	DGV	40	40	40	-10
486	RGC	EL11/76	STONEHENGE	10600	4750	358179	5359489	0.5		70	20	30	-10
485	RGC	EL11/76	STONEHENGE	10600	4775	358187	5359512	1.4	OB	30	30	20	-10
484	RGC	EL11/76	STONEHENGE	10600	4800	358196	5359536	1.6	LV	20	20	140	-10
483	RGC	EL11/76	STONEHENGE	10600	4825	358204	5359559	0.6	LV	20	20	220	-10
482	RGC	EL11/76	STONEHENGE	10600	4850	358213	5359583	0.8	LV	50	20	120	-10
481	RGC	EL11/76	STONEHENGE	10600	4875	358221	5359606	0.5	LV	50	30	80	-10
480	RGC	EL11/76	STONEHENGE	10600	4900	358230	5359630	0.5	LV	40	30	220	-10
479	RGC	EL11/76	STONEHENGE	10600	4925	358238	5359653	2	G	2000	380	120	10
478	RGC	EL11/76	STONEHENGE	10600	4950	358247	5359677	1.6	G	490	30	100	-10
477	RGC	EL11/76	STONEHENGE	10600	4975	358256	5359700	0.5	LV	10	20	60	-10
476	RGC	EL11/76	STONEHENGE	10600	5000	358264	5359724	1	LV	-10	20	80	-10
475	RGC	EL11/76	STONEHENGE	10600	5025	358273	5359747	0.8	G	-10	20	20	-10
474	RGC	EL11/76	STONEHENGE	10600	5050	358281	5359771	0.7	LV	-10	10	-10	-10
473	RGC	EL11/76	STONEHENGE	10600	5075	358290	5359794	1.6	LV	10	140	1080	-10
472	RGC	EL11/76	STONEHENGE	10600	5100	358298	5359818	1.7		20	50	200	-10
471	RGC	EL11/76	STONEHENGE	10600	5125	358307	5359841	0.3	N	60	90	20	-10
470	RGC	EL11/76	STONEHENGE	10600	5150	358315	5359865	0.2	N	-10	10	-10	-10
469	RGC	EL11/76	STONEHENGE	10600	5175	358324	5359888	1.6		10	190	240	-10
468	RGC	EL11/76	STONEHENGE	10600	5200	358333	5359912	1.4		20	420	280	-10
467	RGC	EL11/76	STONEHENGE	10600	5225	358341	5359935	1		20	50	10	-10
466	RGC	EL11/76	STONEHENGE	10600	5250	358350	5359959	1.8		10	60	30	10
465	RGC	EL11/76	STONEHENGE	10600	5275	358358	5359982	0.6	LG	-10	-10	-10	-10
497	RGC	EL11/76	STONEHENGE	10800	4600	358315	5359279	1.3	G	40	130	150	-10
496	RGC	EL11/76	STONEHENGE	10800	4625	358324	5359303	1.6		20	100	120	-10
495	RGC	EL11/76	STONEHENGE	10800	4650	358332	5359326	1	G	70	230	190	-10
494	RGC	EL11/76	STONEHENGE	10800	4675	358341	5359350	0.5	GV	30	50	60	-10
493	RGC	EL11/76	STONEHENGE	10800	4700	358349	5359373	1.3	GB	90	40	80	-10
492	RGC	EL11/76	STONEHENGE	10800	4725	358358	5359397	0.5	GV	30	20	50	-10
491	RGC	EL11/76	STONEHENGE	10800	4750	358367	5359420	0.4	N	-10	20	20	-10
490	RGC	EL11/76	STONEHENGE	10800	4775	358375	5359444	0.5	N	-10	20	-10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

489	RGC	EL11/76	STONEHENGE	10800	4800	358384	5359467	0.4	G	-10	20	-10	-10
498	RGC	EL11/76	STONEHENGE	10800	4825	358392	5359491	1.2	YVB	30	20	50	-10
499	RGC	EL11/76	STONEHENGE	10800	4850	358401	5359514	1.2	LVGV	30	20	60	-10
500	RGC	EL11/76	STONEHENGE	10800	4875	358409	5359538	1.5	LV	40	20	1330	-10
601	RGC	EL11/76	STONEHENGE	10800	4900	358418	5359561	1.4	LV	10	30	90	-10
602	RGC	EL11/76	STONEHENGE	10800	4925	358426	5359585	1.1	W	80	20	130	-10
603	RGC	EL11/76	STONEHENGE	10800	4950	358435	5359608	0.5		-10	-10	10	-10
604	RGC	EL11/76	STONEHENGE	10800	4975	358444	5359632	1.6	LV	20	170	870	-10
605	RGC	EL11/76	STONEHENGE	10800	5000	358452	5359655	1.5	LV	100	110	70	-10
606	RGC	EL11/76	STONEHENGE	10800	5025	358461	5359679	1.2	B	-10	100	20	-10
607	RGC	EL11/76	STONEHENGE	10800	5050	358469	5359702	1	W	-10	40	-10	-10
608	RGC	EL11/76	STONEHENGE	10800	5075	358478	5359726	0.6	W	-10	20	-10	10
609	RGC	EL11/76	STONEHENGE	10800	5100	358486	5359749	0.5	W	-10	300	-10	10
610	RGC	EL11/76	STONEHENGE	10800	5125	358495	5359773	0.7	W	-10	20	-10	-10
611	RGC	EL11/76	STONEHENGE	10800	5150	358503	5359796	1	N	2090	104000	830	760
612	RGC	EL11/76	STONEHENGE	10800	5175	358512	5359820	0.5	W	-10	70	10	-10
613	RGC	EL11/76	STONEHENGE	10800	5200	358520	5359843	0.4	W	20	620	10	10
614	RGC	EL11/76	STONEHENGE	10800	5225	358529	5359867	0.8	GB	-10	60	-10	-10
615	RGC	EL11/76	STONEHENGE	10800	5250	358538	5359890	0.3	WB	-10	80	-10	-10
616	RGC	EL11/76	STONEHENGE	10800	5275	358546	5359914	0.8	DB	-10	40	-10	10
617	RGC	EL11/76	STONEHENGE	10800	5300	358555	5359937	1.1	N	-10	40	-10	-10
618	RGC	EL11/76	STONEHENGE	10800	5325	358563	5359961	0.8	N	-10	130	-10	-10
634	RGC	EL11/76	STONEHENGE	10900	5000	358546	5359621	1.4	WB	-10	70	-10	-10
633	RGC	EL11/76	STONEHENGE	10900	5025	358555	5359645	1.4	GB	-10	330	-10	10
632	RGC	EL11/76	STONEHENGE	10900	5050	358563	5359668	0.4	W	-10	-10	-10	-10
631	RGC	EL11/76	STONEHENGE	10900	5075	358572	5359692	0.5	W	-10	-10	-10	20
630	RGC	EL11/76	STONEHENGE	10900	5100	358580	5359715	1.4	G	10	30	-10	10
629	RGC	EL11/76	STONEHENGE	10900	5125	358589	5359739	0.7	GW	-10	10	-10	-10
628	RGC	EL11/76	STONEHENGE	10900	5150	358597	5359762	0.4	WB	-10	40	-10	-10
627	RGC	EL11/76	STONEHENGE	10900	5175	358606	5359786	0.6	B	-10	160	-10	10
626	RGC	EL11/76	STONEHENGE	10900	5200	358614	5359809	0.4	GB	-10	180	-10	10
625	RGC	EL11/76	STONEHENGE	10900	5225	358623	5359832	1.5	WB	30	1670	20	20
624	RGC	EL11/76	STONEHENGE	10900	5250	358632	5359856	1.4	N	10	170	10	-10
623	RGC	EL11/76	STONEHENGE	10900	5275	358640	5359879	0.9	LG	-10	20	-10	10
622	RGC	EL11/76	STONEHENGE	10900	5300	358649	5359903	1.4	WB	170	40	40	10
621	RGC	EL11/76	STONEHENGE	10900	5325	358657	5359926	1.6	OY	90	120	510	20
620	RGC	EL11/76	STONEHENGE	10900	5350	358666	5359950	1.4	W	20	60	10	-10
619	RGC	EL11/76	STONEHENGE	10900	5375	358674	5359973	1.3	W	-10	260	10	-10
655	RGC	EL11/76	STONEHENGE	11000	4500	358469	5359117	1.5	DLG	190	50	90	20
654	RGC	EL11/76	STONEHENGE	11000	4525	358478	5359141	0.6	GV	70	30	110	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

653	RGC	EL11/76	STONEHENGE	11000	4550	358486	5359164	0.6	LB	20	30	10	-10
652	RGC	EL11/76	STONEHENGE	11000	4575	358495	5359187	0.2	W	-10	-10	-10	-10
651	RGC	EL11/76	STONEHENGE	11000	4600	358503	5359211	0.6	BGV	60	60	30	-10
650	RGC	EL11/76	STONEHENGE	11000	4625	358512	5359234	1.4	GV	80	60	150	-10
649	RGC	EL11/76	STONEHENGE	11000	4650	358520	5359258	1.6	N	30	270	300	-10
648	RGC	EL11/76	STONEHENGE	11000	4675	358529	5359281	0.5	W	-10	90	-10	-10
647	RGC	EL11/76	STONEHENGE	11000	4700	358537	5359305	1.1	G	30	70	70	-10
646	RGC	EL11/76	STONEHENGE	11000	4725	358546	5359328	1.4	GV	40	80	260	-10
645	RGC	EL11/76	STONEHENGE	11000	4750	358555	5359352	1.5	GV	40	560	430	-10
644	RGC	EL11/76	STONEHENGE	11000	4775	358563	5359375	1.7	DG	70	100	300	10
643	RGC	EL11/76	STONEHENGE	11000	4800	358572	5359399	1.4	DG	80	90	590	10
642	RGC	EL11/76	STONEHENGE	11000	4825	358580	5359422	1.5	V	30	50	210	-10
641	RGC	EL11/76	STONEHENGE	11000	4850	358589	5359446	0	V	180	3160	260	10
640	RGC	EL11/76	STONEHENGE	11000	4875	358597	5359469	0	V	210	110	610	-10
639	RGC	EL11/76	STONEHENGE	11000	4900	358606	5359493	1.5	WB	120	360	20	-10
638	RGC	EL11/76	STONEHENGE	11000	4925	358614	5359516	1.5	GV	60	60	210	-10
637	RGC	EL11/76	STONEHENGE	11000	4950	358623	5359540	1.5	WR	-10	40	-10	-10
636	RGC	EL11/76	STONEHENGE	11000	4975	358631	5359563	1	W	-10	320	-10	-10
635	RGC	EL11/76	STONEHENGE	11000	5000	358640	5359587	0.4	W	-10	-10	-10	10
718	RGC	EL11/76	STONEHENGE	11000	5025	358649	5359610	0.4	G	-10	10	-10	-10
719	RGC	EL11/76	STONEHENGE	11000	5050	358657	5359634	0.5		-10	-10	-10	-10
720	RGC	EL11/76	STONEHENGE	11000	5075	358666	5359657	0.4		-10	10	-10	-10
721	RGC	EL11/76	STONEHENGE	11000	5100	358674	5359681	0.3	GV	-10	20	-10	-10
722	RGC	EL11/76	STONEHENGE	11000	5125	358683	5359704	0.4		-10	20	-10	-10
723	RGC	EL11/76	STONEHENGE	11000	5150	358691	5359728	0.7	G	20	50	-10	20
724	RGC	EL11/76	STONEHENGE	11000	5175	358700	5359751	1.6	WYB	80	40	-10	20
725	RGC	EL11/76	STONEHENGE	11000	5200	358708	5359775	1.2	G	-10	30	-10	-10
726	RGC	EL11/76	STONEHENGE	11000	5225	358717	5359798	1.2	B	50	570	10	-10
727	RGC	EL11/76	STONEHENGE	11000	5250	358726	5359822	0.4	DG	20	110	-10	-10
728	RGC	EL11/76	STONEHENGE	11000	5275	358734	5359845	0	G	-10	140	10	-10
729	RGC	EL11/76	STONEHENGE	11000	5300	358743	5359869	1.5	YBV	-10	40	20	-10
730	RGC	EL11/76	STONEHENGE	11000	5325	358751	5359892	0.6	B	-10	40	-10	-10
731	RGC	EL11/76	STONEHENGE	11000	5350	358760	5359916	0.5	DB	-10	20	-10	-10
732	RGC	EL11/76	STONEHENGE	11000	5375	358768	5359939	0.5	DB	-10	70	-10	-10
733	RGC	EL11/76	STONEHENGE	11000	5400	358777	5359963	0.4	DB	-10	70	-10	-10
717	RGC	EL11/76	STONEHENGE	11100	5000	358734	5359553	1.6	BG	-10	110	-10	-10
716	RGC	EL11/76	STONEHENGE	11100	5025	358743	5359576	0.7	G	-10	30	-10	-10
715	RGC	EL11/76	STONEHENGE	11100	5050	358751	5359600	0.7		-10	-10	-10	-10
714	RGC	EL11/76	STONEHENGE	11100	5075	358760	5359623	1		-10	10	-10	-10
713	RGC	EL11/76	STONEHENGE	11100	5100	358768	5359647	0.6	BG	-10	60	-10	-10

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APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

712	RGC	EL11/76	STONEHENGE	11100	5125	358777	5359670	0.4		-10	-10	-10	10
711	RGC	EL11/76	STONEHENGE	11100	5150	358785	5359694	0.7		-10	100	-10	-10
710	RGC	EL11/76	STONEHENGE	11100	5175	358794	5359717	0.9	GWO	-10	150	-10	-10
709	RGC	EL11/76	STONEHENGE	11100	5200	358802	5359741	0.7	GVG	-10	80	-10	-10
708	RGC	EL11/76	STONEHENGE	11100	5225	358811	5359764	0.6	GW	-10	210	-10	-10
707	RGC	EL11/76	STONEHENGE	11100	5250	358819	5359788	0.5	DG	-10	130	-10	-10
706	RGC	EL11/76	STONEHENGE	11100	5275	358828	5359811	0.4	G	-10	50	-10	10
705	RGC	EL11/76	STONEHENGE	11100	5300	358837	5359835	0.7	LGV	20	70	-10	-10
704	RGC	EL11/76	STONEHENGE	11100	5325	358845	5359858	1.5	OBV	30	190	30	30
703	RGC	EL11/76	STONEHENGE	11100	5350	358854	5359882	1.5	YBG	20	70	-10	-10
702	RGC	EL11/76	STONEHENGE	11100	5375	358862	5359905	0.8	G	-10	60	-10	-10
701	RGC	EL11/76	STONEHENGE	11100	5400	358871	5359929	0.9	Dk	-10	50	30	-10
700	RGC	EL11/76	STONEHENGE	11100	5425	358879	5359952	0.3	B	10	160	20	140
699	RGC	EL11/76	STONEHENGE	11100	5450	358888	5359976	1.2	GVG	20	170	10	30
656	RGC	EL11/76	STONEHENGE	11200	4400	358623	5358955	0.7	B	10	20	50	-10
657	RGC	EL11/76	STONEHENGE	11200	4425	358631	5358978	1.7	GV	50	70	190	-10
658	RGC	EL11/76	STONEHENGE	11200	4450	358640	5359002	1.8	GV	120	80	200	-10
659	RGC	EL11/76	STONEHENGE	11200	4475	358648	5359025	1.5	V	110	110	860	10
660	RGC	EL11/76	STONEHENGE	11200	4500	358657	5359049	0.3	BV	-10	20	20	-10
661	RGC	EL11/76	STONEHENGE	11200	4525	358665	5359072	0.8	B	40	60	30	-10
662	RGC	EL11/76	STONEHENGE	11200	4550	358674	5359096	0.2	B	50	100	70	-10
663	RGC	EL11/76	STONEHENGE	11200	4575	358683	5359119	0.7	GV	10	110	50	-10
664	RGC	EL11/76	STONEHENGE	11200	4600	358691	5359143	0.5	DG	-10	30	10	-10
665	RGC	EL11/76	STONEHENGE	11200	4625	358700	5359166	0.4	DG	20	980	40	-10
666	RGC	EL11/76	STONEHENGE	11200	4650	358708	5359190	0.1	N	260	270	20	-10
667	RGC	EL11/76	STONEHENGE	11200	4700	358725	5359237	1.5	LB	10	70	20	-10
668	RGC	EL11/76	STONEHENGE	11200	4725	358734	5359260	1.5	LB	10	910	-10	-10
669	RGC	EL11/76	STONEHENGE	11200	4750	358742	5359284	1.5	LB	130	890	10	-10
670	RGC	EL11/76	STONEHENGE	11200	4775	358751	5359307	1.5	LV	90	70	90	10
671	RGC	EL11/76	STONEHENGE	11200	4800	358760	5359331	1.5	LV	140	210	100	10
672	RGC	EL11/76	STONEHENGE	11200	4825	358768	5359354	1.5	LV	100	50	100	-10
673	RGC	EL11/76	STONEHENGE	11200	4850	358777	5359378	0.4	GV	350	860	70	-10
674	RGC	EL11/76	STONEHENGE	11200	4875	358785	5359401	1.5	LV	40	310	230	10
675	RGC	EL11/76	STONEHENGE	11200	4900	358794	5359424	1.5	DGV	30	1410	590	10
676	RGC	EL11/76	STONEHENGE	11200	4925	358802	5359448	1.6	LGV	2710	250	20	10
677	RGC	EL11/76	STONEHENGE	11200	4950	358811	5359471	1.5		50	120	20	-10
678	RGC	EL11/76	STONEHENGE	11200	4975	358819	5359495	0.7	DB	20	150	20	-10
679	RGC	EL11/76	STONEHENGE	11200	5000	358828	5359518	1.5		20	20	3590	10
680	RGC	EL11/76	STONEHENGE	11200	5025	358837	5359542	1.5	DG	20	120	330	-10
681	RGC	EL11/76	STONEHENGE	11200	5050	358845	5359565	1	WG	-10	450	10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

682	RGC	EL11/76	STONEHENGE	11200	5075	358854	5359589	1.3	G	-10	80	-10	-10
683	RGC	EL11/76	STONEHENGE	11200	5100	358862	5359612	0.6	G	-10	30	-10	-10
684	RGC	EL11/76	STONEHENGE	11200	5125	358871	5359636	0.8	G	-10	80	-10	-10
685	RGC	EL11/76	STONEHENGE	11200	5150	358879	5359659	0.4		-10	-10	-10	-10
686	RGC	EL11/76	STONEHENGE	11200	5175	358888	5359683	1.1	G	-10	20	-10	-10
687	RGC	EL11/76	STONEHENGE	11200	5200	358896	5359706	1	DG	-10	-10	-10	-10
688	RGC	EL11/76	STONEHENGE	11200	5225	358905	5359730	0.8	W	-10	70	-10	-10
689	RGC	EL11/76	STONEHENGE	11200	5250	358913	5359753	0.4	G	-10	90	-10	10
690	RGC	EL11/76	STONEHENGE	11200	5275	358922	5359777	0.4	GV	30	50	-10	10
691	RGC	EL11/76	STONEHENGE	11200	5300	358931	5359800	0.6	G	-10	30	-10	20
692	RGC	EL11/76	STONEHENGE	11200	5325	358939	5359824	1.5	OW	-10	160	-10	20
693	RGC	EL11/76	STONEHENGE	11200	5350	358948	5359847	0.8	DG	-10	120	-10	-10
694	RGC	EL11/76	STONEHENGE	11200	5375	358956	5359871	1.6	WOB	30	300	10	30
695	RGC	EL11/76	STONEHENGE	11200	5400	358965	5359894	0.7	W	-10	20	-10	-10
696	RGC	EL11/76	STONEHENGE	11200	5425	358973	5359918	0.8	DGV	20	290	30	-10
697	RGC	EL11/76	STONEHENGE	11200	5450	358982	5359941	0.7	DGV	10	20	-10	10
698	RGC	EL11/76	STONEHENGE	11200	5475	358990	5359965	0.6	DWB	-10	50	-10	10
754	RGC	EL11/76	STONEHENGE	11300	5000	358922	5359484	1	W	-10	200	-10	10
753	RGC	EL11/76	STONEHENGE	11300	5025	358930	5359508	0.9	V	80	1740	280	-10
752	RGC	EL11/76	STONEHENGE	11300	5050	358939	5359531	0.3		-10	200	-10	-10
751	RGC	EL11/76	STONEHENGE	11300	5075	358948	5359555	0.9	V	-10	30	-10	-10
750	RGC	EL11/76	STONEHENGE	11300	5100	358956	5359578	1.2	V	-10	40	-10	10
749	RGC	EL11/76	STONEHENGE	11300	5125	358965	5359602	1.2	LGVG	10	30	-10	-10
748	RGC	EL11/76	STONEHENGE	11300	5150	358973	5359625	1	LGV	-10	220	-10	10
747	RGC	EL11/76	STONEHENGE	11300	5175	358982	5359649	0.7	G	-10	240	-10	10
746	RGC	EL11/76	STONEHENGE	11300	5200	358990	5359672	0.4	LGV	-10	190	-10	40
745	RGC	EL11/76	STONEHENGE	11300	5225	358999	5359696	0.6	V	-10	60	-10	-10
744	RGC	EL11/76	STONEHENGE	11300	5250	359007	5359719	0.7	V	-10	60	-10	-10
743	RGC	EL11/76	STONEHENGE	11300	5275	359016	5359743	0.7	LG	-10	10	-10	-10
742	RGC	EL11/76	STONEHENGE	11300	5300	359025	5359766	0.6	N	10	20	-10	-10
741	RGC	EL11/76	STONEHENGE	11300	5325	359033	5359790	0.6	LB	10	120	-10	10
740	RGC	EL11/76	STONEHENGE	11300	5350	359042	5359813	0.7	GVG	10	120	-10	-10
739	RGC	EL11/76	STONEHENGE	11300	5375	359050	5359837	0.4	GVG	20	60	30	10
738	RGC	EL11/76	STONEHENGE	11300	5400	359059	5359860	0.5	GVG	20	60	30	-10
737	RGC	EL11/76	STONEHENGE	11300	5425	359067	5359884	0.4	W	-10	-10	-10	-10
736	RGC	EL11/76	STONEHENGE	11300	5450	359076	5359907	0.5	LGVV	-10	-10	-10	-10
735	RGC	EL11/76	STONEHENGE	11300	5475	359084	5359931	0.6	W	-10	-10	-10	-10
734	RGC	EL11/76	STONEHENGE	11300	5500	359093	5359954	0.4	DB	-10	70	-10	-10
783	RGC	EL11/76	STONEHENGE	11400	4300	358776	5358792	0.6	G	120	700	20	-10
782	RGC	EL11/76	STONEHENGE	11400	4325	358785	5358816	0.9	G	-10	40	20	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

781	RGC	EL11/76	STONEHENGE	11400	4350	358794	5358839	1.4	YO	120	40	70	-10
780	RGC	EL11/76	STONEHENGE	11400	4375	358802	5358863	1.5	G	100	50	420	-10
779	RGC	EL11/76	STONEHENGE	11400	4400	358811	5358886	1.4	G	140	110	240	-10
778	RGC	EL11/76	STONEHENGE	11400	4425	358819	5358910	1.5	G	370	270	1560	-10
777	RGC	EL11/76	STONEHENGE	11400	4450	358828	5358933	1.5	G	210	920	820	-10
776	RGC	EL11/76	STONEHENGE	11400	4475	358836	5358957	1.4	GV	270	600	370	-10
775	RGC	EL11/76	STONEHENGE	11400	4500	358845	5358980	1.5	GV	660	400	1900	-10
774	RGC	EL11/76	STONEHENGE	11400	4525	358853	5359004	1.5	GV	70	60	730	-10
773	RGC	EL11/76	STONEHENGE	11400	4550	358862	5359027	1.4		110	130	310	-10
772	RGC	EL11/76	STONEHENGE	11400	4575	358871	5359051	1.5	GV	230	60	930	-10
771	RGC	EL11/76	STONEHENGE	11400	4600	358879	5359074	1.6	GV	190	5000	620	-10
770	RGC	EL11/76	STONEHENGE	11400	4625	358888	5359098	0.2		-10	10	-10	-10
769	RGC	EL11/76	STONEHENGE	11400	4650	358896	5359121	0.3		-10	30	-10	-10
768	RGC	EL11/76	STONEHENGE	11400	4675	358905	5359145	0.7		-10	30	-10	-10
767	RGC	EL11/76	STONEHENGE	11400	4700	358913	5359168	1.2	WB	-10	30	-10	-10
766	RGC	EL11/76	STONEHENGE	11400	4725	358922	5359192	0.5	WB	-10	20	-10	-10
765	RGC	EL11/76	STONEHENGE	11400	4750	358930	5359215	0.7	WB	-10	40	-10	-10
764	RGC	EL11/76	STONEHENGE	11400	4775	358939	5359239	0.7	WB	-10	120	-10	-10
763	RGC	EL11/76	STONEHENGE	11400	4800	358947	5359262	1.2	G	-10	240	-10	-10
762	RGC	EL11/76	STONEHENGE	11400	4825	358956	5359286	0.6	LWV	-10	100	-10	-10
761	RGC	EL11/76	STONEHENGE	11400	4850	358965	5359309	0.7	LWV	-10	220	-10	-10
760	RGC	EL11/76	STONEHENGE	11400	4875	358973	5359333	1.2	LWV	-10	470	-10	-10
759	RGC	EL11/76	STONEHENGE	11400	4900	358982	5359356	1.4	WB	-10	370	-10	-10
758	RGC	EL11/76	STONEHENGE	11400	4925	358990	5359380	1.3	WB	10	1270	-10	10
757	RGC	EL11/76	STONEHENGE	11400	4950	358999	5359403	0.3	WB	-10	40	-10	-10
756	RGC	EL11/76	STONEHENGE	11400	4975	359007	5359427	0.7	WB	-10	110	-10	-10
755	RGC	EL11/76	STONEHENGE	11400	5000	359016	5359450	1.4	GB	80	1670	250	-10
3029	RGC	EL11/76	STONEHENGE	11400	5025	359024	5359474	1.8	N	65	1140	5	-10
3030	RGC	EL11/76	STONEHENGE	11400	5050	359033	5359497	0.8	G	-5	30	-5	-10
3031	RGC	EL11/76	STONEHENGE	11400	5075	359042	5359521	0.6	DEG	-5	180	-5	-10
3032	RGC	EL11/76	STONEHENGE	11400	5100	359050	5359544	1	OB	15	570	5	-10
3033	RGC	EL11/76	STONEHENGE	11400	5125	359059	5359568	0.8	LG	-5	920	-5	-10
3034	RGC	EL11/76	STONEHENGE	11400	5150	359067	5359591	1	EG	-5	70	-5	-10
3035	RGC	EL11/76	STONEHENGE	11400	5175	359076	5359614	0.4	OBG	-5	70	-5	-10
3036	RGC	EL11/76	STONEHENGE	11400	5200	359084	5359638	0.7	OBG	-5	90	-5	-10
3037	RGC	EL11/76	STONEHENGE	11400	5225	359093	5359661	1.2	G	-5	20	5	-10
3038	RGC	EL11/76	STONEHENGE	11400	5250	359101	5359685	0.6	LOB	5	60	5	-10
3039	RGC	EL11/76	STONEHENGE	11400	5275	359110	5359708	0.8	EG	5	10	-5	-10
3040	RGC	EL11/76	STONEHENGE	11400	5300	359119	5359732	0	EG	-5	10	-5	-10
1066	RGC	EL11/76	STONEHENGE	11400	5325	359127	5359755	1.5	OB	20	20	10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1065	RGC	EL11/76	STONEHENGE	11400	5350	359136	5359779	0.7	B	-10	-10	-10	-10
1064	RGC	EL11/76	STONEHENGE	11400	5375	359144	5359802	0.8	CB	30	60	10	-10
1063	RGC	EL11/76	STONEHENGE	11400	5400	359153	5359826	1	G	-10	30	-10	-10
1062	RGC	EL11/76	STONEHENGE	11400	5425	359161	5359849	1.3	GV	-10	20	-10	-10
1061	RGC	EL11/76	STONEHENGE	11400	5450	359170	5359873	0.6	LG	-10	10	-10	-10
1060	RGC	EL11/76	STONEHENGE	11400	5475	359178	5359896	0.8	LG	-10	170	-10	-10
1059	RGC	EL11/76	STONEHENGE	11400	5500	359187	5359920	0.5	DG	-10	40	-10	-10
1058	RGC	EL11/76	STONEHENGE	11400	5525	359195	5359943	0.4	G	-10	40	-10	-10
1057	RGC	EL11/76	STONEHENGE	11400	5550	359204	5359967	1	G	-10	140	-10	-10
864	RGC	EL11/76	STONEHENGE	11500	5000	359110	5359416	1.4	G	-10	4110	10	-10
863	RGC	EL11/76	STONEHENGE	11500	5025	359118	5359439	1.5	CB	220	240	70	10
862	RGC	EL11/76	STONEHENGE	11500	5050	359127	5359463	1.6	CB	40	210	20	-10
861	RGC	EL11/76	STONEHENGE	11500	5075	359136	5359486	0.8	OBW	10	80	10	-10
860	RGC	EL11/76	STONEHENGE	11500	5100	359144	5359510	0.6	OB	-10	150	10	-10
859	RGC	EL11/76	STONEHENGE	11500	5125	359153	5359533	0		150	70	-10	-10
858	RGC	EL11/76	STONEHENGE	11500	5150	359161	5359557	1	DG	-10	80	10	-10
857	RGC	EL11/76	STONEHENGE	11500	5175	359170	5359580	0.6	G	-10	10	10	-10
856	RGC	EL11/76	STONEHENGE	11500	5200	359178	5359604	0.8	WG	-10	10	10	-10
855	RGC	EL11/76	STONEHENGE	11500	5225	359187	5359627	1.1	W	-10	140	10	-10
854	RGC	EL11/76	STONEHENGE	11500	5250	359195	5359651	0.7	DG	-10	650	10	-10
853	RGC	EL11/76	STONEHENGE	11500	5275	359204	5359674	0.4	G	-10	110	10	-10
852	RGC	EL11/76	STONEHENGE	11500	5300	359212	5359698	0.5	G	-10	40	10	-10
851	RGC	EL11/76	STONEHENGE	11500	5325	359221	5359721	0		90	20	10	-10
850	RGC	EL11/76	STONEHENGE	11500	5350	359230	5359745	1	DG	30	220	10	-10
849	RGC	EL11/76	STONEHENGE	11500	5375	359238	5359768	0.6	N	20	1510	440	-10
848	RGC	EL11/76	STONEHENGE	11500	5400	359247	5359792	1.6	G	110	390	70	-10
847	RGC	EL11/76	STONEHENGE	11500	5425	359255	5359815	0.8	G	150	70	10	-10
846	RGC	EL11/76	STONEHENGE	11500	5450	359264	5359839	0.6	G	-10	140	10	-10
845	RGC	EL11/76	STONEHENGE	11500	5475	359272	5359862	0.6	GOB	30	30	10	-10
844	RGC	EL11/76	STONEHENGE	11500	5500	359281	5359886	0.5	G	-10	30	10	-10
843	RGC	EL11/76	STONEHENGE	11500	5525	359289	5359909	0.7	G	-10	10	10	-10
842	RGC	EL11/76	STONEHENGE	11500	5550	359298	5359933	1.4	G	60	20	10	-10
3042	RGC	EL11/76	STONEHENGE	11525	5000	359133	5359407	0	N	120	350	60	-10
3041	RGC	EL11/76	STONEHENGE	11550	4950	359140	5359352	0	G	90	840	235	-10
790	RGC	EL11/76	STONEHENGE	11600	4100	358896	5358536	1.7		500	17000	11500	-10
789	RGC	EL11/76	STONEHENGE	11600	4125	358905	5358559	0.8	DGV	370	12000	19400	-10
788	RGC	EL11/76	STONEHENGE	11600	4150	358913	5358583	0.5	G	90	10	20	-10
787	RGC	EL11/76	STONEHENGE	11600	4175	358922	5358606	0.3	G	-10	50	20	-10
786	RGC	EL11/76	STONEHENGE	11600	4200	358930	5358630	0.5	G	20	50	20	-10
785	RGC	EL11/76	STONEHENGE	11600	4225	358939	5358653	0.3	G	60	150	40	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

784	RGC	EL11/76	STONEHENGE	11600	4250	358947	5358677	0.3	DG	120	2420	40	-10
791	RGC	EL11/76	STONEHENGE	11600	4275	358956	5358700	0		120	2930	350	-10
792	RGC	EL11/76	STONEHENGE	11600	4300	358964	5358724	0		-10	700	50	-10
793	RGC	EL11/76	STONEHENGE	11600	4325	358973	5358747	1.8	LB	150	1090	50	-10
794	RGC	EL11/76	STONEHENGE	11600	4350	358982	5358771	0.5	LG	-10	110	40	-10
795	RGC	EL11/76	STONEHENGE	11600	4400	358999	5358818	0.8	G	90	100	20	-10
796	RGC	EL11/76	STONEHENGE	11600	4425	359007	5358841	0		20	40	30	-10
797	RGC	EL11/76	STONEHENGE	11600	4450	359016	5358865	0		10	10	10	-10
798	RGC	EL11/76	STONEHENGE	11600	4475	359024	5358888	1	DG	80	120	50	-10
799	RGC	EL11/76	STONEHENGE	11600	4500	359033	5358912	0.4	G	30	10	10	-10
800	RGC	EL11/76	STONEHENGE	11600	4525	359041	5358935	0.6	G	40	40	20	-10
801	RGC	EL11/76	STONEHENGE	11600	4550	359050	5358959	0.7	EG	150	30	10	-10
802	RGC	EL11/76	STONEHENGE	11600	4575	359058	5358982	0		50	30	10	-10
803	RGC	EL11/76	STONEHENGE	11600	4600	359067	5359006	0.9	B	-10	30	10	-10
804	RGC	EL11/76	STONEHENGE	11600	4625	359076	5359029	0.8	G	80	80	10	-10
805	RGC	EL11/76	STONEHENGE	11600	4650	359084	5359053	0.5	G	-10	-10	-10	-10
806	RGC	EL11/76	STONEHENGE	11600	4675	359093	5359076	1.2	B	100	100	10	-10
807	RGC	EL11/76	STONEHENGE	11600	4700	359101	5359100	0.6	G	-10	40	10	-10
808	RGC	EL11/76	STONEHENGE	11600	4725	359110	5359123	1	G	-10	10	-10	-10
809	RGC	EL11/76	STONEHENGE	11600	4750	359118	5359147	1	G	-10	10	10	-10
810	RGC	EL11/76	STONEHENGE	11600	4775	359127	5359170	0.7	EG	-10	220	-10	-10
811	RGC	EL11/76	STONEHENGE	11600	4800	359135	5359194	0.4	EG	-10	280	10	-10
812	RGC	EL11/76	STONEHENGE	11600	4825	359144	5359217	1.2	G	30	40	-10	-10
813	RGC	EL11/76	STONEHENGE	11600	4850	359153	5359241	1.5	N	50	40	10	-10
814	RGC	EL11/76	STONEHENGE	11600	4875	359161	5359264	1.1	N	150	670	50	170
815	RGC	EL11/76	STONEHENGE	11600	4900	359170	5359288	0.9	N	270	350	50	-10
816	RGC	EL11/76	STONEHENGE	11600	4925	359178	5359311	1.6	G	-10	-10	-10	-10
817	RGC	EL11/76	STONEHENGE	11600	4950	359187	5359335	1.4	B	90	110	10	-10
818	RGC	EL11/76	STONEHENGE	11600	4975	359195	5359358	0.4	DG	190	480	20	-10
819	RGC	EL11/76	STONEHENGE	11600	5000	359204	5359382	0.6	G	250	420	30	-10
820	RGC	EL11/76	STONEHENGE	11600	5025	359212	5359405	1.6	B	30	280	20	-10
821	RGC	EL11/76	STONEHENGE	11600	5050	359221	5359429			340	3600	20	-10
822	RGC	EL11/76	STONEHENGE	11600	5075	359229	5359452	1.5	Y	100	400	30	10
823	RGC	EL11/76	STONEHENGE	11600	5100	359238	5359476	1.4	Y	190	170	130	-10
824	RGC	EL11/76	STONEHENGE	11600	5125	359247	5359499	0.5	G	-10	130	10	-10
825	RGC	EL11/76	STONEHENGE	11600	5150	359255	5359523	1	G	60	890	10	-10
826	RGC	EL11/76	STONEHENGE	11600	5175	359264	5359546	0.6	NG	-10	140	-10	-10
827	RGC	EL11/76	STONEHENGE	11600	5200	359272	5359570	1	G	-10	830	-10	-10
828	RGC	EL11/76	STONEHENGE	11600	5225	359281	5359593	0.8	G	-10	110	-10	-10
829	RGC	EL11/76	STONEHENGE	11600	5250	359289	5359617	0.5	LB	-10	90	10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

830	RGC	EL11/76	STONEHENGE	11600	5275	359298	5359640	0.3		60	20	-10	-10
831	RGC	EL11/76	STONEHENGE	11600	5300	359306	5359664	0.7	G	-10	40	-10	-10
832	RGC	EL11/76	STONEHENGE	11600	5325	359315	5359687	0.5	DG	1160	100	10	40
833	RGC	EL11/76	STONEHENGE	11600	5350	359324	5359711	1.3	DG	10	430	20	-10
834	RGC	EL11/76	STONEHENGE	11600	5375	359332	5359734	0.5	G	2170	2460	10	40
835	RGC	EL11/76	STONEHENGE	11600	5400	359341	5359758	0.6	G	-10	210	-10	-10
836	RGC	EL11/76	STONEHENGE	11600	5425	359349	5359781	0.7	G	-10	20	-10	-10
837	RGC	EL11/76	STONEHENGE	11600	5450	359358	5359805	0.4	G	-10	10	-10	-10
838	RGC	EL11/76	STONEHENGE	11600	5475	359366	5359828	0.5	G	-10	10	-10	-10
839	RGC	EL11/76	STONEHENGE	11600	5500	359375	5359851	0.5	LB	-10	20	-10	-10
840	RGC	EL11/76	STONEHENGE	11600	5525	359383	5359875	0.3	LB	-10	10	10	-10
841	RGC	EL11/76	STONEHENGE	11600	5550	359392	5359898	0.6	G	-10	10	10	-10
866	RGC	EL11/76	STONEHENGE	11700	4925	359272	5359277	1.2	B	-10	50	10	-10
867	RGC	EL11/76	STONEHENGE	11700	4950	359281	5359300	0.8	BG	800	70	10	-10
868	RGC	EL11/76	STONEHENGE	11700	4975	359289	5359324	1.7	G	-10	2820	10	-10
865	RGC	EL11/76	STONEHENGE	11700	4989	359294	5359337	0.5	B	-10	10	10	-10
869	RGC	EL11/76	STONEHENGE	11700	5000	359298	5359347	0.7	B	-10	780	10	-10
870	RGC	EL11/76	STONEHENGE	11700	5025	359306	5359371	1.6	WG	-10	50	10	-10
871	RGC	EL11/76	STONEHENGE	11700	5050	359315	5359394	0.3	B	-10	650	10	-10
872	RGC	EL11/76	STONEHENGE	11700	5075	359323	5359418	0.2	G	180	60	-10	-10
873	RGC	EL11/76	STONEHENGE	11700	5100	359332	5359441	0.8	CB	-10	-10	-10	-10
874	RGC	EL11/76	STONEHENGE	11700	5125	359341	5359465	0.9	CBG	80	10	-10	-10
875	RGC	EL11/76	STONEHENGE	11700	5150	359349	5359488	1.2	CBG	-10	-10	-10	-10
876	RGC	EL11/76	STONEHENGE	11700	5175	359358	5359512	1.6	CBG	-10	40	-10	-10
877	RGC	EL11/76	STONEHENGE	11700	5200	359366	5359535	1.4	CBG	-10	10	-10	-10
878	RGC	EL11/76	STONEHENGE	11700	5225	359375	5359559	1.7	Y	120	120	10	-10
879	RGC	EL11/76	STONEHENGE	11700	5250	359383	5359582	1	B	140	20	-10	-10
880	RGC	EL11/76	STONEHENGE	11700	5275	359392	5359606	1.2	N	80	280	10	-10
881	RGC	EL11/76	STONEHENGE	11700	5300	359400	5359629	1	G	-10	-10	10	-10
882	RGC	EL11/76	STONEHENGE	11700	5325	359409	5359653	1.2	G	430	50	-10	-10
883	RGC	EL11/76	STONEHENGE	11700	5350	359418	5359676	1	G	-10	40	-10	-10
884	RGC	EL11/76	STONEHENGE	11700	5375	359426	5359700	1.2	G	230	60	-10	-10
885	RGC	EL11/76	STONEHENGE	11700	5400	359435	5359723	0.8	G	220	100	-10	-10
886	RGC	EL11/76	STONEHENGE	11700	5425	359443	5359747	0.8	GB	100	160	-10	-10
887	RGC	EL11/76	STONEHENGE	11700	5450	359452	5359770	0.7	GB	-10	20	-10	-10
888	RGC	EL11/76	STONEHENGE	11700	5475	359460	5359794	1	GB	-10	40	-10	-10
889	RGC	EL11/76	STONEHENGE	11700	5500	359469	5359817	1.2	G	-10	30	-10	10
890	RGC	EL11/76	STONEHENGE	11700	5525	359477	5359841	0.8	G	-10	180	-10	-10
891	RGC	EL11/76	STONEHENGE	11700	5550	359486	5359864	1.2	G	430	70	-10	-10
1428	RGC	EL11/76	STONEHENGE	11800	4200	359118	5358561	1.5	GV	5	35	255	-

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1428	RGC	EL11/76	STONEHENGE	11800	4225	359127	5358585	0		70	30	-10	-10
1427	RGC	EL11/76	STONEHENGE	11800	4250	359135	5358608		DG	140	50	-10	-10
1426	RGC	EL11/76	STONEHENGE	11800	4275	359144	5358632	0.4	DG	200	20	-10	-10
1425	RGC	EL11/76	STONEHENGE	11800	4300	359152	5358655	0.3	GW	190	430	-10	-10
1424	RGC	EL11/76	STONEHENGE	11800	4325	359161	5358679	0	DB	70	20	-10	-10
1423	RGC	EL11/76	STONEHENGE	11800	4350	359169	5358702	0.5	N	200	280	-10	10
1422	RGC	EL11/76	STONEHENGE	11800	4375	359178	5358726	0.4	G	90	20	-10	-10
1421	RGC	EL11/76	STONEHENGE	11800	4400	359187	5358749	0.3	DG	480	80	-10	-10
1420	RGC	EL11/76	STONEHENGE	11800	4425	359195	5358773	0.4	G	120	10	-10	-10
1419	RGC	EL11/76	STONEHENGE	11800	4450	359204	5358796	0.2	G	100	-10	-10	-10
1418	RGC	EL11/76	STONEHENGE	11800	4475	359212	5358820	0.2	GB	160	10	-10	20
1417	RGC	EL11/76	STONEHENGE	11800	4500	359221	5358843	0.3		90	-10	-10	-10
1416	RGC	EL11/76	STONEHENGE	11800	4525	359229	5358867	0.3		190	10	-10	-10
1415	RGC	EL11/76	STONEHENGE	11800	4550	359238	5358890	0.2		310	20	-10	-10
1414	RGC	EL11/76	STONEHENGE	11800	4575	359246	5358914	0.2		400	30	-10	-10
1413	RGC	EL11/76	STONEHENGE	11800	4600	359255	5358937	0.4	VB	210	20	-10	-10
1412	RGC	EL11/76	STONEHENGE	11800	4625	359264	5358961	0.3		240	20	-10	-10
1411	RGC	EL11/76	STONEHENGE	11800	4650	359272	5358984	0.6		300	80	-10	-10
1410	RGC	EL11/76	STONEHENGE	11800	4675	359281	5359008	0.4		310	40	-10	-10
1409	RGC	EL11/76	STONEHENGE	11800	4700	359289	5359031	0		130	30	-10	-10
1408	RGC	EL11/76	STONEHENGE	11800	4725	359298	5359055	0		210	50	-10	-10
1407	RGC	EL11/76	STONEHENGE	11800	4750	359306	5359078	0.5	G	490	50	-10	-10
1406	RGC	EL11/76	STONEHENGE	11800	4775	359315	5359102	0		240	30	-10	-10
1405	RGC	EL11/76	STONEHENGE	11800	4800	359323	5359125	0		260	40	-10	-10
1404	RGC	EL11/76	STONEHENGE	11800	4825	359332	5359149	0		250	30	-10	-10
1403	RGC	EL11/76	STONEHENGE	11800	4850	359340	5359172	0.5	G	280	50	-10	-10
1402	RGC	EL11/76	STONEHENGE	11800	4875	359349	5359196	0.7	G	350	30	-10	-10
1401	RGC	EL11/76	STONEHENGE	11800	4900	359358	5359219	1	G	440	80	-10	-10
1000	RGC	EL11/76	STONEHENGE	11800	4925	359366	5359243	0.8	B	10	120	10	-10
999	RGC	EL11/76	STONEHENGE	11800	4950	359375	5359266	0.9	G	-10	60	-10	-10
998	RGC	EL11/76	STONEHENGE	11800	4975	359383	5359290	0.9	G	-10	60	-10	-10
997	RGC	EL11/76	STONEHENGE	11800	5000	359392	5359313	0.8	G	10	10	-10	-10
996	RGC	EL11/76	STONEHENGE	11800	5025	359400	5359337	0.7	B	10	10	-10	-10
995	RGC	EL11/76	STONEHENGE	11800	5050	359409	5359360	0.5	B	-10	10	-10	-10
994	RGC	EL11/76	STONEHENGE	11800	5075	359417	5359384	0.5		-10	10	-10	-10
993	RGC	EL11/76	STONEHENGE	11800	5100	359426	5359407	0.6	N	70	140	90	-10
992	RGC	EL11/76	STONEHENGE	11800	5125	359435	5359431	0	N	90	130	90	-10
991	RGC	EL11/76	STONEHENGE	11800	5150	359443	5359454	1.5	LB	10	850	-10	-10
990	RGC	EL11/76	STONEHENGE	11800	5175	359452	5359478	0.3	DB	50	10	-10	-10
989	RGC	EL11/76	STONEHENGE	11800	5200	359460	5359501	0.4	W	160	20	-10	10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

988	RGC	EL11/76	STONEHENGE	11800	5225	359469	5359525	1.4	YB	10	40	-10	-10
987	RGC	EL11/76	STONEHENGE	11800	5250	359477	5359548	0.3	LB	10	-10	-10	-10
986	RGC	EL11/76	STONEHENGE	11800	5275	359486	5359572	0.5	LB	20	-10	-10	-10
985	RGC	EL11/76	STONEHENGE	11800	5300	359494	5359595	0.5	G	-10	-10	-10	-10
984	RGC	EL11/76	STONEHENGE	11800	5325	359503	5359619	0		-10	-10	-10	-10
983	RGC	EL11/76	STONEHENGE	11800	5350	359511	5359642	0.6	LB	-10	70	-10	-10
982	RGC	EL11/76	STONEHENGE	11800	5375	359520	5359666	1	G	-10	360	-10	-10
981	RGC	EL11/76	STONEHENGE	11800	5400	359529	5359689	1.1	G	-10	70	-10	-10
980	RGC	EL11/76	STONEHENGE	11800	5425	359537	5359713	0.6	G	-10	70	-10	-10
979	RGC	EL11/76	STONEHENGE	11800	5450	359546	5359736	0.6	G	130	5900	-10	-10
978	RGC	EL11/76	STONEHENGE	11800	5475	359554	5359760	0.6	G	60	5700	-10	-10
977	RGC	EL11/76	STONEHENGE	11800	5500	359563	5359783	0.3	G	-10	20	-10	-10
976	RGC	EL11/76	STONEHENGE	11800	5525	359571	5359807	0.3	G	10	20	-10	-10
892	RGC	EL11/76	STONEHENGE	11800	5550	359580	5359830		G	-10	30	-10	-10
893	RGC	EL11/76	STONEHENGE	11800	5575	359588	5359854	0		90	40	10	-10
894	RGC	EL11/76	STONEHENGE	11800	5600	359597	5359877	0.5	G	130	20	-10	-10
895	RGC	EL11/76	STONEHENGE	11800	5625	359606	5359901	0.3	G	-10	-10	-10	-10
896	RGC	EL11/76	STONEHENGE	11800	5650	359614	5359924	0.8	G	240	30	-10	-10
897	RGC	EL11/76	STONEHENGE	11800	5675	359623	5359948	1	G	-10	10	-10	-10
1831	RGC	EL11/76	STONEHENGE	11900	4900	359452	5359185	0.6	LB	-10	20	-10	-10
1830	RGC	EL11/76	STONEHENGE	11900	4925	359460	5359209	0.6	LB	-10	10	-10	-10
1829	RGC	EL11/76	STONEHENGE	11900	4950	359469	5359232	0.4	LB	-10	80	-10	-10
1828	RGC	EL11/76	STONEHENGE	11900	4975	359477	5359256		LB	-10	30	-10	-10
1827	RGC	EL11/76	STONEHENGE	11900	5000	359486	5359279	0.8	B	-10	30	10	-10
1826	RGC	EL11/76	STONEHENGE	11900	5025	359494	5359303	0.8	DG	460	5400	640	-10
1825	RGC	EL11/76	STONEHENGE	11900	5050	359503	5359326	1.2	G	10	10	20	-10
1824	RGC	EL11/76	STONEHENGE	11900	5075	359511	5359350	2.5	W	-10	-10	60	-10
1823	RGC	EL11/76	STONEHENGE	11900	5100	359520	5359373	2.4	DG	30	140	5900	-10
1822	RGC	EL11/76	STONEHENGE	11900	5125	359528	5359397	2.5	B	20	50	4370	-10
1821	RGC	EL11/76	STONEHENGE	11900	5150	359537	5359420	1.4	VB	-10	30	2100	-10
1820	RGC	EL11/76	STONEHENGE	11900	5175	359546	5359443	1.5	DB	-10	20	-10	-10
1819	RGC	EL11/76	STONEHENGE	11900	5200	359554	5359467	2.5	B	-10	20	-10	-10
1818	RGC	EL11/76	STONEHENGE	11900	5225	359563	5359490	0.8	B	-10	30	-10	-10
1817	RGC	EL11/76	STONEHENGE	11900	5250	359571	5359514	1	DG	-10	20	-10	-10
1816	RGC	EL11/76	STONEHENGE	11900	5275	359580	5359537	1	DG	30	100	50	-10
1815	RGC	EL11/76	STONEHENGE	11900	5300	359588	5359561	0.6	LB	-10	10	-10	-10
1814	RGC	EL11/76	STONEHENGE	11900	5325	359597	5359584	0.8	LG	-10	300	-10	-10
1813	RGC	EL11/76	STONEHENGE	11900	5350	359605	5359608	0.6	GVG	-10	10	-10	-10
1812	RGC	EL11/76	STONEHENGE	11900	5375	359614	5359631	0.4	VG	-10	10	-10	-10
1811	RGC	EL11/76	STONEHENGE	11900	5400	359623	5359655	0.4	DG	-10	-10	-10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1810	RGC	EL11/76	STONEHENGE	11900	5425	359631	5359678	0.6	DG	-10	-10	-10	-10
1809	RGC	EL11/76	STONEHENGE	11900	5450	359640	5359702	0.5	DG	-10	-10	-10	-10
898	RGC	EL11/76	STONEHENGE	11900	5475	359648	5359725	0.5	N	-10	-10	-10	-10
899	RGC	EL11/76	STONEHENGE	11900	5500	359657	5359749	0		70	280	70	-10
900	RGC	EL11/76	STONEHENGE	11900	5525	359665	5359772	0.6	DG	20	-10	-10	-10
901	RGC	EL11/76	STONEHENGE	11900	5550	359674	5359796	0.6	G	30	20	-10	-10
1430	RGC	EL11/76	STONEHENGE	12000	4250	359323	5358540	0.4	B	70	1610	160	-10
1431	RGC	EL11/76	STONEHENGE	12000	4275	359332	5358564	0.5	B	150	20	-10	-10
1432	RGC	EL11/76	STONEHENGE	12000	4300	359340	5358587	0.6	GB	70	10	-10	-10
1433	RGC	EL11/76	STONEHENGE	12000	4325	359349	5358611	0.6		130	10	-10	-10
1434	RGC	EL11/76	STONEHENGE	12000	4350	359357	5358634	0.5		70	10	-10	-10
1435	RGC	EL11/76	STONEHENGE	12000	4375	359366	5358658	0.5	G	70	10	-10	-10
1436	RGC	EL11/76	STONEHENGE	12000	4400	359375	5358681	0.3		50	20	-10	-10
1437	RGC	EL11/76	STONEHENGE	12000	4425	359383	5358705	0		90	70	-10	-10
1438	RGC	EL11/76	STONEHENGE	12000	4450	359392	5358728	0.3	G	60	10	-10	-10
1439	RGC	EL11/76	STONEHENGE	12000	4475	359400	5358752	0.4		80	10	-10	-10
1440	RGC	EL11/76	STONEHENGE	12000	4500	359409	5358775	0		30	20	20	10
1441	RGC	EL11/76	STONEHENGE	12000	4525	359417	5358798	0		110	20	-10	-10
1442	RGC	EL11/76	STONEHENGE	12000	4550	359426	5358822	0		80	20	-10	-10
1443	RGC	EL11/76	STONEHENGE	12000	4575	359434	5358845	0		20	10	-10	-10
1444	RGC	EL11/76	STONEHENGE	12000	4600	359443	5358869	0		30	10	-10	-10
1445	RGC	EL11/76	STONEHENGE	12000	4625	359451	5358892	0.4		30	10	-10	-10
1446	RGC	EL11/76	STONEHENGE	12000	4650	359460	5358916	0.4	G	120	20	-10	30
1447	RGC	EL11/76	STONEHENGE	12000	4675	359469	5358939	0.5		80	10	30	10
1448	RGC	EL11/76	STONEHENGE	12000	4700	359477	5358963	0.6	G	100	10	-10	-10
1449	RGC	EL11/76	STONEHENGE	12000	4725	359486	5358986	0		40	10	-10	-10
1450	RGC	EL11/76	STONEHENGE	12000	4750	359494	5359010	0.5	G	70	20	-10	-10
1451	RGC	EL11/76	STONEHENGE	12000	4775	359503	5359033	0.5	G	80	20	-10	-10
1452	RGC	EL11/76	STONEHENGE	12000	4800	359511	5359057	0.4	G	100	100	-10	10
1453	RGC	EL11/76	STONEHENGE	12000	4825	359520	5359080	0.4	G	90	30	-10	-10
1454	RGC	EL11/76	STONEHENGE	12000	4850	359528	5359104	0		50	10	-10	-10
1455	RGC	EL11/76	STONEHENGE	12000	4875	359537	5359127	0.4		10	10	-10	-10
1456	RGC	EL11/76	STONEHENGE	12000	4900	359546	5359151	0.4	G	140	110	-10	-10
1457	RGC	EL11/76	STONEHENGE	12000	4925	359554	5359174	0.4	G	200	30	-10	-10
1458	RGC	EL11/76	STONEHENGE	12000	4950	359563	5359198	0.3	G	170	60	-10	-10
1459	RGC	EL11/76	STONEHENGE	12000	4975	359571	5359221	0.4	G	50	20	-10	-10
1460	RGC	EL11/76	STONEHENGE	12000	5000	359580	5359245	0.4	G	180	50	-10	-10
1833	RGC	EL11/76	STONEHENGE	12000	5025	359588	5359268	0.5	G	20	40	-10	-10
1834	RGC	EL11/76	STONEHENGE	12000	5050	359597	5359292	1.2	DG	60	60	-10	-10
1835	RGC	EL11/76	STONEHENGE	12000	5275	359674	5359503	0.8	DG	10	60	-10	-10

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APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1836	RGC	EL11/76	STONEHENGE	12000	5300	359682	5359527	205	G	-10	20	-10	-10
1851	RGC	EL11/76	STONEHENGE	12000	5325	359691	5359550	202	B	20	510	2090	-10
2094	RGC	EL11/76	STONEHENGE	12000	5350	359699	5359574	0	DG	-10	5	15	-3
917	RGC	EL11/76	STONEHENGE	12000	5375	359708	5359597	1.2	N	50	-10	-10	-10
902	RGC	EL11/76	STONEHENGE	12000	5400	359717	5359621	0.7	G	90	10	-10	-10
903	RGC	EL11/76	STONEHENGE	12000	5425	359725	5359644	0		20	-10	-10	610
904	RGC	EL11/76	STONEHENGE	12000	5450	359734	5359668	0		20	10	10	-10
905	RGC	EL11/76	STONEHENGE	12000	5475	359742	5359691		G	20	-10	-10	-10
906	RGC	EL11/76	STONEHENGE	12000	5500	359751	5359715	0		10	-10	-10	-10
907	RGC	EL11/76	STONEHENGE	12000	5525	359759	5359738	1	B	-10	-10	-10	-10
908	RGC	EL11/76	STONEHENGE	12000	5550	359768	5359762	0.8	B	40	-10	-10	-10
909	RGC	EL11/76	STONEHENGE	12000	5575	359776	5359785		G	20	-10	-10	-10
910	RGC	EL11/76	STONEHENGE	12000	5600	359785	5359809		G	10	-10	-10	-10
911	RGC	EL11/76	STONEHENGE	12000	5625	359793	5359832	0.8	G	20	-10	-10	-10
912	RGC	EL11/76	STONEHENGE	12000	5650	359802	5359856	1	G	30	-10	-10	-10
913	RGC	EL11/76	STONEHENGE	12000	5675	359811	5359879		G	10	-10	-10	-10
914	RGC	EL11/76	STONEHENGE	12000	5700	359819	5359903		G	20	-10	-10	-10
915	RGC	EL11/76	STONEHENGE	12000	5725	359828	5359926		G	40	30	-10	-10
916	RGC	EL11/76	STONEHENGE	12000	5750	359836	5359950		G	10	-10	-10	-10
1877	RGC	EL11/76	STONEHENGE	12100	4900	359639	5359117	1	LB	-10	40	-10	-10
1876	RGC	EL11/76	STONEHENGE	12100	4925	359648	5359140	0		-10	10	-10	-10
1875	RGC	EL11/76	STONEHENGE	12100	4950	359657	5359164	0.5	G	-10	10	-10	-10
1874	RGC	EL11/76	STONEHENGE	12100	4975	359665	5359187	0.5	LB	-10	40	-10	-10
1873	RGC	EL11/76	STONEHENGE	12100	5000	359674	5359211	0.5	G	-10	20	-10	-10
1872	RGC	EL11/76	STONEHENGE	12100	5025	359682	5359234	0.6	N	-10	-10	-10	-10
1871	RGC	EL11/76	STONEHENGE	12100	5050	359691	5359258	1	G	-10	20	-10	-10
1870	RGC	EL11/76	STONEHENGE	12100	5075	359699	5359281	0.6	N	140	100	30	-10
2099	RGC	EL11/76	STONEHENGE	12100	5100	359708	5359305	2.3	DG	5	45	30	-3
1869	RGC	EL11/76	STONEHENGE	12100	5100	359708	5359305	0		-10	60	20	-10
1868	RGC	EL11/76	STONEHENGE	12100	5125	359716	5359328	0		10	60	40	-10
2098	RGC	EL11/76	STONEHENGE	12100	5125	359716	5359328	0.4		5	90	165	4
2097	RGC	EL11/76	STONEHENGE	12100	5150	359725	5359352	1.3		5	35	95	4
1867	RGC	EL11/76	STONEHENGE	12100	5150	359725	5359352	0	O	-10	60	30	-10
1866	RGC	EL11/76	STONEHENGE	12100	5175	359734	5359375	0		-10	50	20	-10
2096	RGC	EL11/76	STONEHENGE	12100	5175	359734	5359375	2.3		10	65	300	7
1865	RGC	EL11/76	STONEHENGE	12100	5200	359742	5359399	0		-10	40	20	-10
2095	RGC	EL11/76	STONEHENGE	12100	5200	359742	5359399	2.3		10	145	185	4
1864	RGC	EL11/76	STONEHENGE	12100	5225	359751	5359422	1.2	DG	10	10	-10	-10
1863	RGC	EL11/76	STONEHENGE	12100	5250	359759	5359446	0.6	LB	-10	-10	-10	-10
1852	RGC	EL11/76	STONEHENGE	12100	5275	359768	5359469	0.4	G	-10	10	-10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1853	RGC	EL11/76	STONEHENGE	12100	5300	359776	5359493	1.2	N	30	60	50	-10
1854	RGC	EL11/76	STONEHENGE	12100	5325	359785	5359516	1.5	N	190	90	60	-10
1855	RGC	EL11/76	STONEHENGE	12100	5375	359802	5359563	1.4	G	-10	80	50	-10
1856	RGC	EL11/76	STONEHENGE	12100	5400	359810	5359587	1.3	GB	10	150	60	-10
1857	RGC	EL11/76	STONEHENGE	12100	5425	359819	5359610			-10	1650	10	-10
1858	RGC	EL11/76	STONEHENGE	12100	5450	359828	5359634	1	B	-10	630	10	-10
1859	RGC	EL11/76	STONEHENGE	12100	5475	359836	5359657	2.6	B	20	120	-10	-10
1860	RGC	EL11/76	STONEHENGE	12100	5500	359845	5359680	2.2	B	-10	30	-10	-10
1861	RGC	EL11/76	STONEHENGE	12100	5525	359853	5359704	1.6	YB	20	130	-10	-10
1862	RGC	EL11/76	STONEHENGE	12100	5550	359862	5359727	0.8	LB	-10	80	-10	-10
1482	RGC	EL11/76	STONEHENGE	12200	4475	359588	5358683	0.4	G	80	10	-10	-10
1481	RGC	EL11/76	STONEHENGE	12200	4500	359597	5358707	0		20	10	-10	-10
1480	RGC	EL11/76	STONEHENGE	12200	4525	359605	5358730	0		20	-10	-10	-10
1479	RGC	EL11/76	STONEHENGE	12200	4550	359614	5358754	0		130	20	-10	-10
1478	RGC	EL11/76	STONEHENGE	12200	4575	359622	5358777	0		50	30	-10	-10
1477	RGC	EL11/76	STONEHENGE	12200	4600	359631	5358801	0		30	150	-10	-10
1476	RGC	EL11/76	STONEHENGE	12200	4625	359639	5358824	0.6		100	50	-10	-10
1475	RGC	EL11/76	STONEHENGE	12200	4650	359648	5358848	0.4		90	20	-10	-10
1474	RGC	EL11/76	STONEHENGE	12200	4675	359656	5358871	0.5		90	20	-10	-10
1473	RGC	EL11/76	STONEHENGE	12200	4700	359665	5358895	0.4		100	20	-10	-10
1472	RGC	EL11/76	STONEHENGE	12200	4725	359674	5358918	0.6		70	10	10	-10
1471	RGC	EL11/76	STONEHENGE	12200	4750	359682	5358942	0.4	G	30	30	-10	-10
1470	RGC	EL11/76	STONEHENGE	12200	4775	359691	5358965	0		100	30	-10	-10
1469	RGC	EL11/76	STONEHENGE	12200	4800	359699	5358988	0		110	20	10	-10
1468	RGC	EL11/76	STONEHENGE	12200	4825	359708	5359012	0		10	10	-10	-10
1467	RGC	EL11/76	STONEHENGE	12200	4850	359716	5359035	0.4	G	110	80	-10	-10
1466	RGC	EL11/76	STONEHENGE	12200	4875	359725	5359059	0.8	G	160	30	-10	-10
1465	RGC	EL11/76	STONEHENGE	12200	4900	359733	5359082	0.3	G	60	10	-10	-10
1464	RGC	EL11/76	STONEHENGE	12200	4925	359742	5359106	0.5	G	120	30	-10	-10
1463	RGC	EL11/76	STONEHENGE	12200	4950	359751	5359129	0.6		10	-10	-10	-10
1462	RGC	EL11/76	STONEHENGE	12200	4975	359759	5359153	0.6	G	10	20	-10	-10
1461	RGC	EL11/76	STONEHENGE	12200	5000	359768	5359176	1	G	40	10	-10	-10
1974	RGC	EL11/76	STONEHENGE	12200	5025	359776	5359200	0		-10	10	-10	-10
1878	RGC	EL11/76	STONEHENGE	12200	5050	359785	5359223	1	G	-10	20	-10	-10
1879	RGC	EL11/76	STONEHENGE	12200	5075	359793	5359247	0		-10	10	-10	-10
1880	RGC	EL11/76	STONEHENGE	12200	5100	359802	5359270	2.2	DG	10	1180	940	-10
1881	RGC	EL11/76	STONEHENGE	12200	5125	359810	5359294	0		-10	70	140	-10
1882	RGC	EL11/76	STONEHENGE	12200	5150	359819	5359317	0		20	70	90	-10
1883	RGC	EL11/76	STONEHENGE	12200	5175	359828	5359341	2.6	GV	40	920	1950	-10
1884	RGC	EL11/76	STONEHENGE	12200	5200	359836	5359364	1.6	GV	10	3140	7900	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1885	RGC	EL11/76	STONEHENGE	12200	5225	359845	5359388	1.5	G	10	110	270	-10
1886	RGC	EL11/76	STONEHENGE	12200	5250	359853	5359411	2.6	G	60	570	470	-10
1887	RGC	EL11/76	STONEHENGE	12200	5275	359862	5359435	1	DG	30	90	860	-10
1888	RGC	EL11/76	STONEHENGE	12200	5300	359870	5359458	2.6	LB	-10	20	20	-10
1889	RGC	EL11/76	STONEHENGE	12200	5325	359879	5359482	1.8	B	20	100	3500	-10
1890	RGC	EL11/76	STONEHENGE	12200	5350	359887	5359505	1.6	DVG	30	100	1710	-10
1891	RGC	EL11/76	STONEHENGE	12200	5375	359896	5359529	2.2	GB	-10	40	1900	-10
1892	RGC	EL11/76	STONEHENGE	12200	5400	359904	5359552	0.8	LB	10	20	40	-10
1893	RGC	EL11/76	STONEHENGE	12200	5425	359913	5359576	0.5	G	50	40	10	-10
1894	RGC	EL11/76	STONEHENGE	12200	5450	359922	5359599	1.5	LB	-10	50	10	-10
1946	RGC	EL11/76	STONEHENGE	12200	5475	359930	5359623	0.6	GB	10	70	20	-10
1947	RGC	EL11/76	STONEHENGE	12200	5500	359939	5359646	0.4		10	40	20	-10
1948	RGC	EL11/76	STONEHENGE	12200	5525	359947	5359670	1.2	B	20	60	-10	-10
1949	RGC	EL11/76	STONEHENGE	12200	5550	359956	5359693	1	G	20	50	10	-10
1950	RGC	EL11/76	STONEHENGE	12200	5575	359964	5359717	0.8	G	30	90	-10	-10
1933	RGC	EL11/76	STONEHENGE	12200	5600	359973	5359740	1.4	LB	-10	90	-10	-10
1934	RGC	EL11/76	STONEHENGE	12200	5625	359981	5359764	1.2	LB	-10	190	-10	-10
1935	RGC	EL11/76	STONEHENGE	12200	5650	359990	5359787	1.6	GBB	60	360	30	-10
1936	RGC	EL11/76	STONEHENGE	12200	5675	359999	5359811	1.2	GLB	-10	50	-10	-10
1937	RGC	EL11/76	STONEHENGE	12200	5700	360007	5359834	1	GLB	-10	60	-10	-10
1938	RGC	EL11/76	STONEHENGE	12200	5725	360016	5359858	1	GLB	20	240	30	-10
1939	RGC	EL11/76	STONEHENGE	12200	5750	360024	5359881	1.2	G	20	40	-10	-10
1940	RGC	EL11/76	STONEHENGE	12200	5775	360033	5359905	0.6	GB	70	120	30	-10
1941	RGC	EL11/76	STONEHENGE	12200	5800	360041	5359928	0.6	G	20	70	10	-10
1973	RGC	EL11/76	STONEHENGE	12300	4900	359827	5359048	0		30	10	-10	-10
1972	RGC	EL11/76	STONEHENGE	12300	4925	359836	5359072	0		10	20	10	-10
1971	RGC	EL11/76	STONEHENGE	12300	4950	359845	5359095	0		-10	30	10	-10
1970	RGC	EL11/76	STONEHENGE	12300	4975	359853	5359119	0		10	20	-10	-10
1969	RGC	EL11/76	STONEHENGE	12300	5000	359862	5359142	0		-10	20	20	-10
1968	RGC	EL11/76	STONEHENGE	12300	5025	359870	5359166	0		30	10	10	-10
1967	RGC	EL11/76	STONEHENGE	12300	5050	359879	5359189	0		-10	-10	-10	-10
1966	RGC	EL11/76	STONEHENGE	12300	5075	359887	5359213	0		-10	-10	-10	-10
1965	RGC	EL11/76	STONEHENGE	12300	5100	359896	5359236	0		30	120	110	-10
1964	RGC	EL11/76	STONEHENGE	12300	5125	359904	5359260	1.2	G	10	290	60	-10
1963	RGC	EL11/76	STONEHENGE	12300	5150	359913	5359283	1	G	-10	140	4560	-10
1962	RGC	EL11/76	STONEHENGE	12300	5175	359921	5359307	1.6	G	40	40	1650	-10
1961	RGC	EL11/76	STONEHENGE	12300	5200	359930	5359330	1.6	G	-10	640	2170	-10
1960	RGC	EL11/76	STONEHENGE	12300	5225	359939	5359354	1.3	G	-10	90	1400	-10
1959	RGC	EL11/76	STONEHENGE	12300	5250	359947	5359377	0.8	G	-10	40	10	-10
1958	RGC	EL11/76	STONEHENGE	12300	5275	359956	5359401	1.6	G	-10	30	10	90

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1957	RGC	EL11/76	STONEHENGE	12300	5300	359964	5359424		G	-10	20	-10	-10
1956	RGC	EL11/76	STONEHENGE	12300	5325	359973	5359448	2.4		-10	80	20	-10
1955	RGC	EL11/76	STONEHENGE	12300	5350	359981	5359471	2		-10	20	200	-10
1954	RGC	EL11/76	STONEHENGE	12300	5375	359990	5359495	2.2		-10	100	300	-10
1942	RGC	EL11/76	STONEHENGE	12300	5400	359998	5359518	2	B	10	190	-10	-10
1943	RGC	EL11/76	STONEHENGE	12300	5425	360007	5359542	2	B	-10	60	-10	
1944	RGC	EL11/76	STONEHENGE	12300	5450	360016	5359565	1.6	B	-10	20	-10	
1945	RGC	EL11/76	STONEHENGE	12300	5475	360024	5359589	2.3	OB	50	970	390	
1951	RGC	EL11/76	STONEHENGE	12300	5500	360033	5359612	1.5	OB	30	2460	310	
1952	RGC	EL11/76	STONEHENGE	12300	5525	360041	5359636	1.5	OB	80	5200	1070	
1953	RGC	EL11/76	STONEHENGE	12300	5550	360050	5359659	1.5	OB	30	520	650	
1483	RGC	EL11/76	STONEHENGE	12400	4500	359785	5358638	1		110	30	-10	
1484	RGC	EL11/76	STONEHENGE	12400	4525	359793	5358662	0.9		70	-10	-10	
1485	RGC	EL11/76	STONEHENGE	12400	4550	359802	5358685	0		60	-10	-10	
1486	RGC	EL11/76	STONEHENGE	12400	4575	359810	5358709	1		70	-10	-10	
1487	RGC	EL11/76	STONEHENGE	12400	4600	359819	5358732	0.5	G	70	20	-10	
1488	RGC	EL11/76	STONEHENGE	12400	4625	359827	5358756	0.5	G	70	30	-10	
1489	RGC	EL11/76	STONEHENGE	12400	4650	359836	5358779	0		20	30	-10	
1490	RGC	EL11/76	STONEHENGE	12400	4675	359844	5358803	0		80	40	-10	
1491	RGC	EL11/76	STONEHENGE	12400	4700	359853	5358826	0.6		130	40	-10	
1492	RGC	EL11/76	STONEHENGE	12400	4725	359862	5358850	1	G	160	90	-10	
1493	RGC	EL11/76	STONEHENGE	12400	4750	359870	5358873	0.9		30	-10	-10	
1494	RGC	EL11/76	STONEHENGE	12400	4775	359879	5358897	0	G	30	20	-10	
1495	RGC	EL11/76	STONEHENGE	12400	4800	359887	5358920	0.7		30	20	-10	
1496	RGC	EL11/76	STONEHENGE	12400	4825	359896	5358944	0.8		50	-10	-10	
1497	RGC	EL11/76	STONEHENGE	12400	4850	359904	5358967	0.6	G	70	30	-10	-10
1498	RGC	EL11/76	STONEHENGE	12400	4875	359913	5358991	1	G	70	160	-10	-10
1499	RGC	EL11/76	STONEHENGE	12400	4900	359921	5359014	0.6	G	120	10	-10	-10
1500	RGC	EL11/76	STONEHENGE	12400	4925	359930	5359038	0.9		180	80	30	-10
1801	RGC	EL11/76	STONEHENGE	12400	4950	359938	5359061	0		10	130	10	-10
1802	RGC	EL11/76	STONEHENGE	12400	4975	359947	5359085	0		-10	-10	-10	-10
1803	RGC	EL11/76	STONEHENGE	12400	5000	359956	5359108	0.5	G	-10	10	-10	-10
1804	RGC	EL11/76	STONEHENGE	12400	5025	359964	5359132	0.6	G	-10	-10	-10	-10
1805	RGC	EL11/76	STONEHENGE	12400	5050	359973	5359155	0.8	G	10	-10	-10	-10
1806	RGC	EL11/76	STONEHENGE	12400	5075	359981	5359179	0.3	G	10	-10	-10	-10
1807	RGC	EL11/76	STONEHENGE	12400	5100	359990	5359202	0.7		10	-10	-10	-10
1808	RGC	EL11/76	STONEHENGE	12400	5125	359998	5359225	1.2	B	5	35	255	5
1975	RGC	EL11/76	STONEHENGE	12400	5150	360007	5359249	0.6	LB	5	30	25	-3
1976	RGC	EL11/76	STONEHENGE	12400	5175	360015	5359272	1	LB	15	95	15	3
1977	RGC	EL11/76	STONEHENGE	12400	5200	360024	5359295	1	LB	30	60	15	6

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1978	RGC	EL11/76	STONEHENGE	12400	5225	360033	5359319	0.8	LB	5	10	10	9
1979	RGC	EL11/76	STONEHENGE	12400	5250	360041	5359343	0		5	215	15	8
1980	RGC	EL11/76	STONEHENGE	12400	5275	360050	5359366	1.6	B	5	70	10	-3
1981	RGC	EL11/76	STONEHENGE	12400	5300	360058	5359390	1.2	B	5	10	15	8
1982	RGC	EL11/76	STONEHENGE	12400	5325	360067	5359413	1	B	5	25	10	8
1983	RGC	EL11/76	STONEHENGE	12400	5350	360075	5359437	1	B	5	205	10	-3
1984	RGC	EL11/76	STONEHENGE	12400	5375	360084	5359460	1	B	5	15	10	6
1985	RGC	EL11/76	STONEHENGE	12400	5400	360092	5359484	0.8	N	25	655	75	-3
1986	RGC	EL11/76	STONEHENGE	12400	5425	360101	5359507	1.4	G	10	120	195	7
1987	RGC	EL11/76	STONEHENGE	12400	5450	360109	5359531	2.2	G	5	305	15	20
2018	RGC	EL11/76	STONEHENGE	12400	5475	360118	5359554	2	B	10	2150	10	10
2017	RGC	EL11/76	STONEHENGE	12400	5500	360127	5359578	2	B	5	40	5	15
2016	RGC	EL11/76	STONEHENGE	12400	5525	360135	5359601	1	LB	-5	10	5	10
2015	RGC	EL11/76	STONEHENGE	12400	5550	360144	5359625	0.8	LB	-5	15	10	7
2014	RGC	EL11/76	STONEHENGE	12400	5575	360152	5359648	1.2	LB	5	120	10	4
2013	RGC	EL11/76	STONEHENGE	12400	5600	360161	5359672	1	LB	5	20	15	7
2012	RGC	EL11/76	STONEHENGE	12400	5625	360169	5359695	1.4	LB	-5	10	5	-3
2011	RGC	EL11/76	STONEHENGE	12400	5650	360178	5359719	1	G	-5	40	10	-3
2010	RGC	EL11/76	STONEHENGE	12400	5675	360186	5359742	1.2	G	-5	55	5	15
2009	RGC	EL11/76	STONEHENGE	12400	5700	360195	5359766	0.4	G	-5	15	10	6
2008	RGC	EL11/76	STONEHENGE	12400	5725	360204	5359789	0.6	G	5	90	10	3
2007	RGC	EL11/76	STONEHENGE	12400	5750	360212	5359813	0.8	G	5	40	10	7
2006	RGC	EL11/76	STONEHENGE	12400	5775	360221	5359836	0.8	G	5	-5	5	7
2005	RGC	EL11/76	STONEHENGE	12400	5800	360229	5359860	0.6	GB	-5	35	5	-3
2004	RGC	EL11/76	STONEHENGE	12400	5825	360238	5359883	0.6	GB	5	10	10	10
2003	RGC	EL11/76	STONEHENGE	12400	5850	360246	5359907	0		-5	-5	10	10
2002	RGC	EL11/76	STONEHENGE	12400	5875	360255	5359930	0		5	5	5	5
2001	RGC	EL11/76	STONEHENGE	12400	5900	360263	5359954	1.2	G	5	-5	10	3
2000	RGC	EL11/76	STONEHENGE	12400	5925	360272	5359977	0.7	G	-5	5	10	-3
1999	RGC	EL11/76	STONEHENGE	12400	5950	360281	5360001	0.8	G	-5	5	10	5
1998	RGC	EL11/76	STONEHENGE	12400	5975	360289	5360024	0.7	G	5	5	10	3
1997	RGC	EL11/76	STONEHENGE	12400	6000	360298	5360048	0.8	DG	5	80	10	6
1993	RGC	EL11/76	STONEHENGE	12400	6025	360306	5360071	0.5	G	5	20	20	4
1992	RGC	EL11/76	STONEHENGE	12400	6050	360315	5360095	1	G	5	15	10	5
1991	RGC	EL11/76	STONEHENGE	12400	6075	360323	5360118	1.3	G	10	135	50	6
1990	RGC	EL11/76	STONEHENGE	12400	6100	360332	5360142		G	35	215	680	60
1989	RGC	EL11/76	STONEHENGE	12400	6125	360340	5360165		G	10	70	125	8
1988	RGC	EL11/76	STONEHENGE	12400	6150	360349	5360189		B	30	55	180	6
2051	RGC	EL11/76	STONEHENGE	12500	5000	360050	5359074	0		-5	140	10	4
2042	RGC	EL11/76	STONEHENGE	12500	5025	360058	5359097	0.8		5	145	15	4

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

2041	RGC	EL11/76	STONEHENGE	12500	5050	360067	5359121	0		- 5	- 5	5	- 3
2040	RGC	EL11/76	STONEHENGE	12500	5075	360075	5359144	0		- 5	10	5	- 3
2039	RGC	EL11/76	STONEHENGE	12500	5100	360084	5359168	0		- 5	35	10	3
2038	RGC	EL11/76	STONEHENGE	12500	5125	360092	5359191	0		- 5	55	10	3
2037	RGC	EL11/76	STONEHENGE	12500	5150	360101	5359215	0.7	G	5	25	5	- 3
2036	RGC	EL11/76	STONEHENGE	12500	5175	360109	5359238	0.8	G	- 5	5	5	3
2035	RGC	EL11/76	STONEHENGE	12500	5200	360118	5359262	0.8	GB	- 5	60	5	5
2034	RGC	EL11/76	STONEHENGE	12500	5225	360127	5359285	1.5	GB	5	485	10	7
2033	RGC	EL11/76	STONEHENGE	12500	5250	360135	5359309	1.2	LB	- 5	40	10	- 3
2032	RGC	EL11/76	STONEHENGE	12500	5275	360144	5359332	1	B	- 5	375	10	5
2031	RGC	EL11/76	STONEHENGE	12500	5300	360152	5359356	1.2	GB	5	175	10	9
2030	RGC	EL11/76	STONEHENGE	12500	5325	360161	5359379	1	G	- 5	25	10	6
2029	RGC	EL11/76	STONEHENGE	12500	5350	360169	5359403	0.8	B	- 5	185	10	4
2028	RGC	EL11/76	STONEHENGE	12500	5375	360178	5359426	1	B	- 5	45	10	- 3
2027	RGC	EL11/76	STONEHENGE	12500	5400	360186	5359450	0.8	B	5	55	15	10
2026	RGC	EL11/76	STONEHENGE	12500	5425	360195	5359473	0.8	LB	- 5	250	5	5
2025	RGC	EL11/76	STONEHENGE	12500	5450	360203	5359497	2	B	5	95	5	4
2024	RGC	EL11/76	STONEHENGE	12500	5475	360212	5359520	2	GB	5	270	10	6
2023	RGC	EL11/76	STONEHENGE	12500	5500	360221	5359544	2.2	GB	5	190	10	5
2022	RGC	EL11/76	STONEHENGE	12500	5525	360229	5359567	0		- 5	10	5	6
2021	RGC	EL11/76	STONEHENGE	12500	5550	360238	5359591	0.8	LB	5	390	10	15
2020	RGC	EL11/76	STONEHENGE	12500	5575	360246	5359614	1.4	LB	5	55	10	7
2019	RGC	EL11/76	STONEHENGE	12500	5600	360255	5359638	0		10	70	25	15
2093	RGC	EL11/76	STONEHENGE	12600	3925	359776	5358029	0		5	165	75	5
2092	RGC	EL11/76	STONEHENGE	12600	3950	359784	5358053	0		10	65	75	3
2091	RGC	EL11/76	STONEHENGE	12600	3975	359793	5358076	0		5	105	390	9
2090	RGC	EL11/76	STONEHENGE	12600	4000	359802	5358100	0		5	10	15	7
2089	RGC	EL11/76	STONEHENGE	12600	4025	359810	5358123	0		- 5	- 5	5	- 3
2088	RGC	EL11/76	STONEHENGE	12600	4050	359819	5358147	0		5	5	10	- 3
2087	RGC	EL11/76	STONEHENGE	12600	4075	359827	5358170	0.8	LG	- 5	- 5	10	- 3
2086	RGC	EL11/76	STONEHENGE	12600	4100	359836	5358194	2.3	B	20	20	30	- 3
2085	RGC	EL11/76	STONEHENGE	12600	4125	359844	5358217	1.5	W	- 5	- 5	5	4
2084	RGC	EL11/76	STONEHENGE	12600	4150	359853	5358241	1	G	5	10	10	- 3
2083	RGC	EL11/76	STONEHENGE	12600	4175	359861	5358264	0		- 5	5	5	- 3
2082	RGC	EL11/76	STONEHENGE	12600	4200	359870	5358288	1	N	5	25	15	6
2081	RGC	EL11/76	STONEHENGE	12600	4225	359878	5358311	0		- 5	35	5	7
2080	RGC	EL11/76	STONEHENGE	12600	4250	359887	5358335	0		- 5	50	5	3
2079	RGC	EL11/76	STONEHENGE	12600	4275	359896	5358358	1.2	B	- 5	55	15	- 3
2078	RGC	EL11/76	STONEHENGE	12600	4300	359904	5358382	0.5	G	- 5	20	15	5
2077	RGC	EL11/76	STONEHENGE	12600	4325	359913	5358405	0.8	G	- 5	15	5	- 3

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

2076	RGC	EL11/76	STONEHENGE	12600	4350	359921	5358429	1	LB	5	320	25	-3
2075	RGC	EL11/76	STONEHENGE	12600	4375	359930	5358452	1	G	5	70	20	10
2074	RGC	EL11/76	STONEHENGE	12600	4400	359938	5358476	0		50	625	170	3
2073	RGC	EL11/76	STONEHENGE	12600	4425	359947	5358499	1.2	GV	165	2850	445	45
2072	RGC	EL11/76	STONEHENGE	12600	4450	359955	5358523	2.2	GV	135	1100	780	-3
2071	RGC	EL11/76	STONEHENGE	12600	4475	359964	5358546	0		-5	55	5	-3
2070	RGC	EL11/76	STONEHENGE	12600	4500	359973	5358570	1.5	G	5	290	10	-3
2069	RGC	EL11/76	STONEHENGE	12600	4575	359998	5358640	0		5	210	10	7
2068	RGC	EL11/76	STONEHENGE	12600	4600	360007	5358664	0		255	23770	105	4
2067	RGC	EL11/76	STONEHENGE	12600	4650	360024	5358711	0		-5	20	10	-3
2066	RGC	EL11/76	STONEHENGE	12600	4675	360032	5358734	0		-5	90	5	5
2065	RGC	EL11/76	STONEHENGE	12600	4700	360041	5358758	0		-5	140	10	4
2064	RGC	EL11/76	STONEHENGE	12600	4725	360049	5358781	0		-5	55	5	4
2063	RGC	EL11/76	STONEHENGE	12600	4750	360058	5358805	0		5	205	70	4
2062	RGC	EL11/76	STONEHENGE	12600	4800	360075	5358852	0.8	G	5	35	15	6
2061	RGC	EL11/76	STONEHENGE	12600	4850	360092	5358899	1.4	N	10	30	10	-3
2060	RGC	EL11/76	STONEHENGE	12600	4875	360101	5358922	1.2	DG	-5	125	5	10
2059	RGC	EL11/76	STONEHENGE	12600	4900	360109	5358946	1.2	G	-5	65	5	-3
2058	RGC	EL11/76	STONEHENGE	12600	4925	360118	5358969	1	G	-5	20	5	6
2057	RGC	EL11/76	STONEHENGE	12600	4950	360126	5358993	0.8	G	-5	35	10	-3
2056	RGC	EL11/76	STONEHENGE	12600	4975	360135	5359016	0.5	G	-5	210	10	7
2055	RGC	EL11/76	STONEHENGE	12600	5000	360144	5359040	1	LB	-5	5	5	-3
2054	RGC	EL11/76	STONEHENGE	12600	5025	360152	5359063	0.8	LB	-5	55	10	4
2053	RGC	EL11/76	STONEHENGE	12600	5050	360161	5359087	0.5	G	-5	35	10	6
2052	RGC	EL11/76	STONEHENGE	12600	5075	360169	5359110	0.8	G	-5	40	5	5
2179	RGC	EL11/76	STONEHENGE	12600	5100	360178	5359134	1.1	LKW	-5	105	10	5
2178	RGC	EL11/76	STONEHENGE	12600	5125	360186	5359157	0.7	G	-5	25	10	6
2177	RGC	EL11/76	STONEHENGE	12600	5150	360195	5359181	1.2	LOB	20	95	15	4
2176	RGC	EL11/76	STONEHENGE	12600	5175	360203	5359204	1.4	GVB	25	260	25	-3
2175	RGC	EL11/76	STONEHENGE	12600	5200	360212	5359228	1.4	LWLB	5	175	10	5
2174	RGC	EL11/76	STONEHENGE	12600	5225	360220	5359251	1.2	LOW	30	245	15	-3
2173	RGC	EL11/76	STONEHENGE	12600	5250	360229	5359275	0.9	W	-5	130	5	10
2172	RGC	EL11/76	STONEHENGE	12600	5275	360238	5359298	0.8	DB	-5	90	5	5
2171	RGC	EL11/76	STONEHENGE	12600	5300	360246	5359322	1.2	OB	125	470	40	8
2170	RGC	EL11/76	STONEHENGE	12600	5325	360255	5359345	0.6	GB	-5	210	5	6
2169	RGC	EL11/76	STONEHENGE	12600	5350	360263	5359369	1.3	WG	5	1350	10	25
2168	RGC	EL11/76	STONEHENGE	12600	5375	360272	5359392	1.5	GV	20	335	30	10
2167	RGC	EL11/76	STONEHENGE	12600	5400	360280	5359416	1.5	OB	25	475	60	40
2166	RGC	EL11/76	STONEHENGE	12600	5425	360289	5359439			-5	310	5	15
2165	RGC	EL11/76	STONEHENGE	12600	5450	360297	5359462	1.2	GDB	-5	35	5	4

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

2164	RGC	EL11/76	STONEHENGE	12600	5475	360306	5359486	0.5	G	-5	375	5	70
2163	RGC	EL11/76	STONEHENGE	12600	5500	360315	5359509	0.8	G	-5	85	5	10
2162	RGC	EL11/76	STONEHENGE	12600	5525	360323	5359533	1.4	CB	15	260	15	15
2161	RGC	EL11/76	STONEHENGE	12600	5550	360332	5359556	0.8	YB	-5	65	5	10
2160	RGC	EL11/76	STONEHENGE	12600	5575	360340	5359580	1.4	YB	15	350	15	8
2159	RGC	EL11/76	STONEHENGE	12600	5600	360349	5359603	1.2	WDB	-5	75	5	-3
2158	RGC	EL11/76	STONEHENGE	12600	5625	360357	5359627	0.5	G	-5	60	10	5
2157	RGC	EL11/76	STONEHENGE	12600	5650	360366	5359650	1.5	W	-5	70	5	10
2156	RGC	EL11/76	STONEHENGE	12600	5675	360374	5359674	0.7	W	-5	105	5	4
2155	RGC	EL11/76	STONEHENGE	12600	5700	360383	5359697	1	W	5	110	5	-3
2154	RGC	EL11/76	STONEHENGE	12600	5725	360391	5359721	0.4	G	-5	545	5	-3
2153	RGC	EL11/76	STONEHENGE	12600	5750	360400	5359744	0.7	WB	10	555	5	8
2152	RGC	EL11/76	STONEHENGE	12600	5775	360409	5359768	0.9	W	-5	135	5	7
2151	RGC	EL11/76	STONEHENGE	12600	5800	360417	5359791	0.6		-5	20	5	9
2150	RGC	EL11/76	STONEHENGE	12600	5825	360426	5359815	1.2		-5	50	10	5
2149	RGC	EL11/76	STONEHENGE	12600	5850	360434	5359838	0	W	-5	15	10	3
2148	RGC	EL11/76	STONEHENGE	12600	5875	360443	5359862	0	N	30	410	1050	30
2147	RGC	EL11/76	STONEHENGE	12600	5900	360451	5359885	0.6		-5	25	5	3
2146	RGC	EL11/76	STONEHENGE	12600	5925	360460	5359909	0.8		-5	-5	10	-3
2100	RGC	EL11/76	STONEHENGE	12600	5950	360468	5359932	0.8	G	5	35	15	5
2101	RGC	EL11/76	STONEHENGE	12600	5975	360477	5359956		DG	20	560	65	6
2102	RGC	EL11/76	STONEHENGE	12600	6000	360486	5359979			5	195	25	6
2103	RGC	EL11/76	STONEHENGE	12600	6025	360494	5360003		DG	15	865	20	40
2104	RGC	EL11/76	STONEHENGE	12600	6050	360503	5360026	1.2	N	5	15	25	15
2105	RGC	EL11/76	STONEHENGE	12600	6075	360511	5360050	1		10	205		6
1850	RGC	EL11/76	STONEHENGE	12800	4200	360058	5358219	0		-10	50	-10	-10
1849	RGC	EL11/76	STONEHENGE	12800	4225	360066	5358243	1	DG	10	40	-10	-10
1848	RGC	EL11/76	STONEHENGE	12800	4250	360075	5358266	1.2	G	-10	10	-10	-10
1895	RGC	EL11/76	STONEHENGE	12800	4275	360084	5358290	0		-10	-10	-10	-10
1896	RGC	EL11/76	STONEHENGE	12800	4300	360092	5358313	0		-10	-10	-10	40
1897	RGC	EL11/76	STONEHENGE	12800	4325	360101	5358337	0		-10	-10	-10	-10
1898	RGC	EL11/76	STONEHENGE	12800	4350	360109	5358360	0		10	-10	-10	160
1899	RGC	EL11/76	STONEHENGE	12800	4375	360118	5358384	0		-10	20	-10	-10
1900	RGC	EL11/76	STONEHENGE	12800	4400	360126	5358407	1	G	-10	20	-10	-10
1901	RGC	EL11/76	STONEHENGE	12800	4425	360135	5358431	0		20	30	-10	20
1902	RGC	EL11/76	STONEHENGE	12800	4450	360143	5358454	0		20	20	-10	10
1903	RGC	EL11/76	STONEHENGE	12800	4475	360152	5358478		G	-10	20	-10	-10
1904	RGC	EL11/76	STONEHENGE	12800	4500	360160	5358501		DG	-10	40	-10	-10
1905	RGC	EL11/76	STONEHENGE	12800	4525	360169	5358525	0		-10	10	-10	-10
1906	RGC	EL11/76	STONEHENGE	12800	4550	360178	5358548	0		10	30	-10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

1907	RGC	EL11/76	STONEHENGE	12800	4575	360186	5358572	1	G	-10	-10	-10	40
1908	RGC	EL11/76	STONEHENGE	12800	4600	360195	5358595	1	G	-10	20	-10	-10
1909	RGC	EL11/76	STONEHENGE	12800	4625	360203	5358619	1	G	-10	80	-10	-10
1910	RGC	EL11/76	STONEHENGE	12800	4650	360212	5358642	1.2	G	-10	60	-10	-10
1911	RGC	EL11/76	STONEHENGE	12800	4675	360220	5358666	0		20	60	-10	-10
1912	RGC	EL11/76	STONEHENGE	12800	4700	360229	5358689	0		20	170	-10	-10
1913	RGC	EL11/76	STONEHENGE	12800	4725	360237	5358713	1.4	G	-10	240	-10	-10
1914	RGC	EL11/76	STONEHENGE	12800	4750	360246	5358736	1.4	G	-10	50	-10	-10
1915	RGC	EL11/76	STONEHENGE	12800	4775	360255	5358760	0		20	10	-10	-10
1916	RGC	EL11/76	STONEHENGE	12800	4800	360263	5358783	0.8	G	10	40	-10	-10
1917	RGC	EL11/76	STONEHENGE	12800	4825	360272	5358807	0.7	DG	-10	90	-10	-10
1918	RGC	EL11/76	STONEHENGE	12800	4850	360280	5358830	1.2	G	-10	140	-10	-10
1919	RGC	EL11/76	STONEHENGE	12800	4875	360289	5358854	1.4		-10	30	-10	-10
1920	RGC	EL11/76	STONEHENGE	12800	4900	360297	5358877	1.2	N	10	20	-10	-10
1921	RGC	EL11/76	STONEHENGE	12800	4925	360306	5358901	1	G	10	30	-10	-10
1922	RGC	EL11/76	STONEHENGE	12800	4950	360314	5358924	0.8	N	10	180	40	-10
1923	RGC	EL11/76	STONEHENGE	12800	4975	360323	5358948	0		-10	30	-10	-10
1924	RGC	EL11/76	STONEHENGE	12800	5000	360331	5358971	1.2		40	10	10	10
1925	RGC	EL11/76	STONEHENGE	12800	5025	360340	5358995	1		-10	-10	-10	-10
1926	RGC	EL11/76	STONEHENGE	12800	5050	360349	5359018	1		-10	10	-10	-10
1927	RGC	EL11/76	STONEHENGE	12800	5075	360357	5359042	1.2	YG	-10	30	-10	-10
1928	RGC	EL11/76	STONEHENGE	12800	5100	360366	5359065	0.3	G	30	10	-10	-10
1929	RGC	EL11/76	STONEHENGE	12800	5125	360374	5359089	0		-10	-10	-10	-10
1930	RGC	EL11/76	STONEHENGE	12800	5150	360383	5359112	0		-10	50	-10	-10
1931	RGC	EL11/76	STONEHENGE	12800	5175	360391	5359136	0		20	30	50	10
1932	RGC	EL11/76	STONEHENGE	12800	5200	360400	5359159	1.2	G	-10	-10	-10	-10
2204	RGC	EL11/76	STONEHENGE	12800	5225	360408	5359183	0.4		5	35	10	8
2203	RGC	EL11/76	STONEHENGE	12800	5250	360417	5359206	1.5		5	65	10	10
2202	RGC	EL11/76	STONEHENGE	12800	5275	360426	5359230	0.8	WV	-5	15	10	10
2201	RGC	EL11/76	STONEHENGE	12800	5300	360434	5359253	0		-5	5	15	5
2050	RGC	EL11/76	STONEHENGE	12800	5325	360443	5359277	1.4	LG	-5	1000	25	25
2049	RGC	EL11/76	STONEHENGE	12800	5350	360451	5359300	0.5	LG	-5	105	10	9
2048	RGC	EL11/76	STONEHENGE	12800	5375	360460	5359324	0.6	LG	-5	30	10	4
2047	RGC	EL11/76	STONEHENGE	12800	5400	360468	5359347	1.1	LG	5	570	15	6
2046	RGC	EL11/76	STONEHENGE	12800	5425	360477	5359371	1		5	180	10	3
2045	RGC	EL11/76	STONEHENGE	12800	5450	360485	5359394	0.3		5	40	15	8
2044	RGC	EL11/76	STONEHENGE	12800	5475	360494	5359418	0		5	45	15	5
2205	RGC	EL11/76	STONEHENGE	12800	5500	360502	5359441	0		-5	10	5	6
2206	RGC	EL11/76	STONEHENGE	12800	5525	360511	5359465	0.5	W	-5	10	5	-3
2207	RGC	EL11/76	STONEHENGE	12800	5550	360520	5359488	1	WB	-5	35	5	20

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

2208	RGC	EL11/76	STONEHENGE	12800	5575	360528	5359512	0.4	WB	-5	35	5	10
2209	RGC	EL11/76	STONEHENGE	12800	5600	360537	5359535	0.2	WB	-5	105	10	9
2210	RGC	EL11/76	STONEHENGE	12800	5625	360545	5359559	0.4	WB	-5	25	10	4
2211	RGC	EL11/76	STONEHENGE	12800	5650	360554	5359582	1.4	WB	20	245	25	-3
2212	RGC	EL11/76	STONEHENGE	12800	5675	360562	5359606	1.4	WB	-5	45	10	4
2213	RGC	EL11/76	STONEHENGE	12800	5700	360571	5359629	0.5	WB	-5	5	10	7
2214	RGC	EL11/76	STONEHENGE	12800	5725	360579	5359653	0.8	WG	-5	5	15	6
2215	RGC	EL11/76	STONEHENGE	12800	5750	360588	5359676	0.9	WG	-5	20	10	10
2216	RGC	EL11/76	STONEHENGE	12800	5775	360597	5359699	0.6	WB	-5	15	15	6
2217	RGC	EL11/76	STONEHENGE	12800	5800	360605	5359723	0.3	GB	-5	5	10	-3
2218	RGC	EL11/76	STONEHENGE	12800	5825	360614	5359746	0.8	B	-5	-5	5	3
2219	RGC	EL11/76	STONEHENGE	12800	5850	360622	5359770	1.2	B	-5	-5	5	3
2220	RGC	EL11/76	STONEHENGE	12800	5875	360631	5359793	0.2		-5	5	5	6
2221	RGC	EL11/76	STONEHENGE	12800	5900	360639	5359817	0.4	W	-5	-5	10	5
2222	RGC	EL11/76	STONEHENGE	12800	5925	360648	5359840	0.8	W	-5	-5	10	3
2223	RGC	EL11/76	STONEHENGE	12800	5950	360656	5359864	0		-5	-5	15	-3
2224	RGC	EL11/76	STONEHENGE	12800	5975	360665	5359887	0.2		-5	-5	5	6
2225	RGC	EL11/76	STONEHENGE	12800	6000	360673	5359911	0.8	B	-5	130	10	5
2226	RGC	EL11/76	STONEHENGE	12800	6025	360682	5359934	0.6		-5	-5	10	4
2227	RGC	EL11/76	STONEHENGE	12800	6050	360691	5359958	0.7	DG	15	15	25	4
1847	RGC	EL11/76	STONEHENGE	13000	4400	360314	5358339	0.7	G	10	-10	-10	-10
1846	RGC	EL11/76	STONEHENGE	13000	4425	360323	5358362	0		10	70	10	-10
1845	RGC	EL11/76	STONEHENGE	13000	4450	360331	5358386	0		10	40	-10	2090
1844	RGC	EL11/76	STONEHENGE	13000	4475	360340	5358409	0		20	100	-10	-10
1843	RGC	EL11/76	STONEHENGE	13000	4500	360348	5358433	0		10	110	-10	20
1842	RGC	EL11/76	STONEHENGE	13000	4525	360357	5358456	0		-10	580	-10	30
1841	RGC	EL11/76	STONEHENGE	13000	4550	360365	5358480	0		10	60	10	-10
1840	RGC	EL11/76	STONEHENGE	13000	4575	360374	5358503	1.2		10	50	-10	10
1839	RGC	EL11/76	STONEHENGE	13000	4600	360383	5358527	0.3	G	-10	700	-10	-10
1838	RGC	EL11/76	STONEHENGE	13000	4625	360391	5358550	1	G	-10	100	-10	-10
1837	RGC	EL11/76	STONEHENGE	13000	4650	360400	5358574	0		10	100	-10	-10
975	RGC	EL11/76	STONEHENGE	13000	4675	360408	5358597	0		10	240	-10	-10
974	RGC	EL11/76	STONEHENGE	13000	4700	360417	5358621	0		10	250	-10	-10
973	RGC	EL11/76	STONEHENGE	13000	4725	360425	5358644	0		20	30	-10	-10
972	RGC	EL11/76	STONEHENGE	13000	4750	360434	5358668	0.5		20	30	-10	10
971	RGC	EL11/76	STONEHENGE	13000	4775	360442	5358691	0		140	200	30	60
970	RGC	EL11/76	STONEHENGE	13000	4800	360451	5358715	0		140	200	40	70
969	RGC	EL11/76	STONEHENGE	13000	4825	360460	5358738	0		290	40	-10	-10
968	RGC	EL11/76	STONEHENGE	13000	4850	360468	5358762	0		320	50	-10	-10
967	RGC	EL11/76	STONEHENGE	13000	4875	360477	5358785	0		10	50	-10	-10

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APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

966	RGC	EL11/76	STONEHENGE	13000	4900	360485	5358809	0.5	G	10	50	-10	-10
965	RGC	EL11/76	STONEHENGE	13000	4925	360494	5358832	0.6	G	10	60	-10	-10
964	RGC	EL11/76	STONEHENGE	13000	4950	360502	5358856	0.6	G	10	60	-10	-10
963	RGC	EL11/76	STONEHENGE	13000	4975	360511	5358879	0.5	G	20	30	-10	-10
962	RGC	EL11/76	STONEHENGE	13000	5000	360519	5358903	0		20	20	-10	-10
961	RGC	EL11/76	STONEHENGE	13000	5025	360528	5358926	0.5	G	20	70	-10	-10
960	RGC	EL11/76	STONEHENGE	13000	5050	360537	5358950	0.6	G	20	70	-10	-10
959	RGC	EL11/76	STONEHENGE	13000	5075	360545	5358973	0		-10	110	-10	40
958	RGC	EL11/76	STONEHENGE	13000	5100	360554	5358997		G	-10	120	-10	40
957	RGC	EL11/76	STONEHENGE	13000	5125	360562	5359020			70	1240	-10	-10
956	RGC	EL11/76	STONEHENGE	13000	5150	360571	5359044	0.8	G	10	50	-10	-10
955	RGC	EL11/76	STONEHENGE	13000	5175	360579	5359067	1	G	100	190	-10	-10
954	RGC	EL11/76	STONEHENGE	13000	5200	360588	5359091	0		10	520	-10	-10
953	RGC	EL11/76	STONEHENGE	13000	5225	360596	5359114	0		30	120	-10	-10
952	RGC	EL11/76	STONEHENGE	13000	5250	360605	5359138	0		20	110	-10	-10
951	RGC	EL11/76	STONEHENGE	13000	5275	360613	5359161	0		-10	40	-10	-10
950	RGC	EL11/76	STONEHENGE	13000	5300	360622	5359185		G	-10	40	-10	-10
949	RGC	EL11/76	STONEHENGE	13000	5325	360631	5359208	0		20	290	10	-10
948	RGC	EL11/76	STONEHENGE	13000	5350	360639	5359232	0		20	280	10	-10
947	RGC	EL11/76	STONEHENGE	13000	5375	360648	5359255	0		-10	120	-10	-10
946	RGC	EL11/76	STONEHENGE	13000	5400	360656	5359279	1		-10	120	-10	-10
945	RGC	EL11/76	STONEHENGE	13000	5425	360665	5359302	0		-10	90	-10	-10
944	RGC	EL11/76	STONEHENGE	13000	5450	360673	5359326	0.5		-10	110	-10	-10
943	RGC	EL11/76	STONEHENGE	13000	5475	360682	5359349	0.6	G	-10	80	-10	-10
942	RGC	EL11/76	STONEHENGE	13000	5500	360690	5359373	0		-10	70	-10	-10
941	RGC	EL11/76	STONEHENGE	13000	5525	360699	5359396	0		20	20	-10	-10
940	RGC	EL11/76	STONEHENGE	13000	5550	360708	5359420	0		10	-10	-10	-10
939	RGC	EL11/76	STONEHENGE	13000	5575	360716	5359443	0		30	-10	-10	-10
938	RGC	EL11/76	STONEHENGE	13000	5600	360725	5359467	0		10	30	-10	-10
937	RGC	EL11/76	STONEHENGE	13000	5625	360733	5359490	0.8	G	20	30	-10	-10
936	RGC	EL11/76	STONEHENGE	13000	5650	360742	5359514	0		10	-10	-10	-10
935	RGC	EL11/76	STONEHENGE	13000	5675	360750	5359537	0		30	20	-10	-10
934	RGC	EL11/76	STONEHENGE	13000	5700	360759	5359561	0.7	G	20	320	-10	-10
933	RGC	EL11/76	STONEHENGE	13000	5725	360767	5359584	0.5	G	40	30	-10	-10
932	RGC	EL11/76	STONEHENGE	13000	5750	360776	5359608	0		20	-10	-10	-10
931	RGC	EL11/76	STONEHENGE	13000	5775	360784	5359631	0		40	-10	-10	-10
930	RGC	EL11/76	STONEHENGE	13000	5800	360793	5359655	0		10	10	-10	-10
929	RGC	EL11/76	STONEHENGE	13000	5825	360802	5359678	0.8	G	20	-10	-10	-10
928	RGC	EL11/76	STONEHENGE	13000	5850	360810	5359702	0		30	20	-10	-10
927	RGC	EL11/76	STONEHENGE	13000	5875	360819	5359725	0.6	G	20	10	-10	-10

APPENDIX 3 - RGC STONEHENGE SOIL SAMPLING LEDGER

926	RGC	EL11/76	STONEHENGE	13000	5900	360827	5359749	0.7	G	20	10	-10	-10
925	RGC	EL11/76	STONEHENGE	13000	5925	360836	5359772	0		20	10	-10	-10
924	RGC	EL11/76	STONEHENGE	13000	5950	360844	5359796	0		20	10	-10	-10
923	RGC	EL11/76	STONEHENGE	13000	5975	360853	5359819	1	G	110	10	-10	-10
922	RGC	EL11/76	STONEHENGE	13000	6000	360861	5359843	0.6	G	30	-10	-10	-10
921	RGC	EL11/76	STONEHENGE	13000	6025	360870	5359866	0.7	G	70	10	-10	-10
920	RGC	EL11/76	STONEHENGE	13000	6050	360879	5359889	0.7	G	30	-10	-10	-10
919	RGC	EL11/76	STONEHENGE	13000	6075	360887	5359913	0.6	G	20	-10	-10	-10
918	RGC	EL11/76	STONEHENGE	13000	6100	360896	5359936	0.8	B	30	10	70	-10

APPENDIX 4

CRAE WACKER SAMPLING LEDGERS AND GEOCHEMISTRY

ROCKCHIP AND DRILLING CODES

OSOLITH

Rock code as per published geological map
For time designation use:

Q Quaternary	M Permian	P Proterozoic
T Tertiary	C Carboniferous	A Archaean
	S Silurian	
K Carboniferous	D Devonian	
R Triassic	O Ordovician	
J Jurassic	E Cambrian	

FIELD R

Field term for rock type
Broad groupings are:

S Sedimentary	I Intrusive	C Surficial
M Metamorphic	E Extrusive	O Others

SEDIMENTARY

Scg Conglomerate	Slc Limestone	Sw Waste
Sss Sandstone	Sch Chert	
Ssl Siltstone	Sll BIF	
Ssh Shale		
Ssx Black shale	Sbx Breccia	

METAMORPHIC

Msl Slate	Mq Quartzite	Mng Migmatite
Mph Phyllite	Mm Marble	
Msc Schist	Ma Amphibolite	
Mbs Graphitic schist	Mca Calcilicite	Msk Skarn
Mgn Gneiss		

INTRUSIVE IGNEOUS

Ii Felsic undiff.	Ij Intermed undiff.	Iu Ultramafic
Iip Felsic porphyry	Ijp Intermed porph	Ius Serpentinite
Iap Aplite	Iam Mafic undiff.	Ipg Pegmatite
Igr Granite	Idd Diorite	
Igd Granodiorite	Igb Gabbro	

EXTRUSIVE IGNEOUS

Eiy Rhyolite	Ean Andesite	Ei Tuff undiff
Eed Dacite	Eb Basalt	Eli Felsic tuff
		Eam Mafic tuff

SURFICIAL (COVER) MATERIAL

Ca Alluvium	Clc Laterite	Csg Gossan
Cco Colluvium	Csp Pisolites	Ccy Clay
Cs Aeolian sand	Cef Ironstone	
Cbs Black soil	Csl Siltcrete	
Cg Gravel	Ccl Calcicrete	

OTHERS

Ovq Vain quartz	Omy Mylonite	Oms Massive sulphide
Ovc Vain carbonate	Obe Breccia	
Ovs Vain sulphide	Oi Fault gouge	Os Unknown

TEXTURAL CODES

WEATHERING/SURFICIAL FEATURES

We Weathered	Fg Ferruginous
Bl Bleached	Fo Fe ox in fract
Le Leached	

MINERALISATION/ALTERATION FEATURES

Ge Gossanous	Vs Vain sulphide	Al Altered
Vn Veined	Os Dissem sulph	Sl Stillicid
DI Disseminated	Fs Fracture sulph	
Bs Banded sulph		

GEOLOGICAL FEATURES

Bd Beaded	Fr Fractured	Po Porphyritic
Bn Banded	fb Interbedded	Sc Schistose
Bs Brecciated	Lm Laminated	Sh Sheared
Fl Fissile (slaty)	Ma Massive	Vu Vuggy

DIAGNOSTIC MINERALOGY

PRIMARY MINERALISATION

Os Osiana	Py Pyrite
Sp Sphalerite	Po Pyrrhotite
Cp Chalcopyrite	Su Unknown sulph

SECONDARY MINERALISATION

Ls Lead concentrates	Cs Copper conc.
Zs Zinc	Us Uranium

ALTERATION/DIAGNOSTIC MINERALS

Cy Clay	Hs Haematite	Gl Garnet
Ep Epidote	Ml Magnetite	Ky Kyanite
Cc Carbonate	Js Jarosite	
	Mn Manganese mins	

COLOR CODES

L Light	A Banded	M Mottled
D Dark		
N Black	P Purple	V Green
G Gray	R Red	K Pink
B Brown	O Orange	E Blue
W White	Y Yellow	S Silver

APPENDIX 4 - CRAE WACKER SAMPLING LEDGERS

CRAE WACKER SAMPLING DATABASE																					
Database last updated 8/7/92																					
Results in ppm																					
SAMPNO	DPO	GRID	LOCALE	LOCALN	AMGE	AMGN	DEPTH	BEDROCK?	BMRLITH	FIELDID	TEXTURE	ALT/MIN	COLOUR	Ag	As	Cu	Pb	Zn	COMMENTS		
3307758	71508	STONEHENGE	11900	5200	359555	5359467	1.5	N	Ors	Cg			DB	-1	0	4	7	7	Poorly sorted, rounded qtz clasts up to 2cm diameter.		
3307759	71508	STONEHENGE	11900	5190	359551	5359458	4	N	Ors	Cg			DB	-1	0	10	71	7	Woody frags. Destroyed 2 rods. Bogged for several hours		
3307760	71508	STONEHENGE	11900	5170	359544	5359439	2.5	N	Ors	Cg			DB	-1	0	4	17	10	Thick woody fragment at bottom of rod		
3307761	71508	STONEHENGE	11900	5150	359537	5359420	9.5	Y	Puo	Sbs	PyGa?	N		1	0	105	1350	1700	Graphitic. Overlying gravels stank of H2S		
3307762	71508	STONEHENGE	11900	5140	359534	5359411	9.7	Y	Puo	Sbs	Py	N		1	200	67	840	10500	Graphitic. Patches of tree root??		
3307763	71508	STONEHENGE	11900	5130	359531	5359401	8	Y	Puo	Sbs	Py	N		1	130	67	1800	805	Graphitic		
3307764	71508	STONEHENGE	11900	5120	359527	5359392	7.7	Y	Puo	Sbs	Py	N		1	150	85	4050	185	Graphitic		
3307765	71508	STONEHENGE	11900	5110	359524	5359382	7.8	Y	Puo	Sbs	Py	N		3	160	110	1000	10800	Graphitic shale, Intermixed with gy shale & sandstone		
3307766	71508	STONEHENGE	11900	5100	359520	5359373	18	Y	Puo	Ssi	Py	DG		1	0	28	280	7400	Siltstone, not a shale, bits were very hard		
3307767	71508	STONEHENGE	11900	5090	359517	5359364	8.7	Y	Puo	SbsSsi	Py	DGN		-1	240	9	31	5000	Silty rock, shaley in parts, minor or/bt contorted patches.		
3307768	71508	STONEHENGE	11900	5070	359510	5359345	5	N	Ors	Cg			DB	1	0	5	24	43			
3307769	71508	STONEHENGE	11900	5050	359503	5359326	2	Y	Puo	Sbs	Py?	NCB		2	0	35	34	10	Thinly bedded		
3307770	71508	STONEHENGE	11900	5030	359496	5359307	4.5	Y	Puo	Sbs	Py	DGN		1	280	30	6250	4000	Py varies from common->abundant.		
3307771	71508	STONEHENGE	11900	5040	359500	5359317	3	Y	Puo	Sbs		DGN		4	0	55	125	10	Had to dilute sample with some gravels (not enough shale)		
3307772	71508	STONEHENGE	11900	5020	359493	5359298	1.1	Y	Puo	Sbs	Py	DGN		2	110	570	845	1250	Patches of py are nearly solid.		
3307773	71508	STONEHENGE	11900	5010	359490	5359288	2	N	Ors	Cg	Ga?	DB		1	150	14	1500	1250	Well cemented gravels		
3307774	71508	STONEHENGE	11900	5000	359486	5359279	1	N	Ors	CgSbs	Sp?	DGN		1	0	5	43	20	Decomposed blk shale??		
3307775	71508	STONEHENGE	11900	4975	359478	5359255	9	Y	Puo	Sbs	Py	DG		12	0	195	51	12	Graphitic		
3307776	71508	STONEHENGE	11900	4950	359469	5359232	1.5	Y	Puo	Sbs		G		1	0	8	225	8	Minor gravels on top.		

APPENDIX 5

ROCKCHIP LITHOLOGICAL CODES.
SAMPLING LEDGERS AND GEOCHEMISTRY

ROCKCHIP AND DRILLING CODES

DSOUTH

Rock code as per published geological map
For time designation use:

D Quaternary	U Permian	P Proterozoic
T Tertiary	C Carboniferous	A Archean
	S Silurian	
K Cretaceous	D Devonian	
R Triassic	O Ordovician	
J Jurassic	E Cambrian	

FIELD ID

Field terms for rock type
Broad groupings are:

S Sedimentary	I Intrusive	C Surficial
M Metamorphic	E Extrusive	O Others

SEDIMENTARY

Scg Conglomerate	Sls Limestone	Sw Waste
Sss Sandstone	Sch Chert	
Ssl Silstone	Sll BIF	
Ssh Shale		
Sos Black shale	Sbs Breccia	

METAMORPHIC

Msl Slate	Mq Quartzite	Mmg Migmatite
Mpn Phyllite	Mn Marble	
Msc Schist	Ma Amphibolite	
Mos Graphitic schist	Mca Calcilicite	Msk Skarn
Mgn Gneiss		

INTRUSIVE IGNEOUS

Ii Felsic undiff.	Ii Iniermed undiff.	Iu Ultramafic
Iip Felsic porphyry	Iip Iniermed porph.	Ius Serpentinite
Iap Aplite	Im Mafic undiff.	
Igr Granite	Ido Dolerite	Ipg Pegmatite
Igd Diorodolite	Igb Gabbro	

EXTRUSIVE IGNEOUS

Ery Rhyolite	Ean Andesite	Et Tuff undiff.
Eac Dacite	Eb Basalt	Eil Felsic tuff
		Emi Mafic tuff

SURFICIAL (COVER) MATERIAL

Ca Alluvium	Clf Lignite	Cgg Gossan
Cco Colluvium	Csp Placillite	
Cs Aeolian sand	Csl Ironstone	Ccy Clay
Cbs Black soil	Cal Silstone	
Cg Gravel	Ccl Calcrite	

OTHERS

Ovq Vain quartz	Omy Mylonite	Oms Massive sulphide
Ovc Vain carbonate	Obr Breccia	
Ovs Vain sulphide	OI Fault gouge	Ox Unknown

TEXTURAL CODES

WEATHERING/SURFICIAL FEATURES

Wa Weathered	Ff Ferruginous
Bf Bleached	Fo Fe ox in fract
Le Leached	

MINERALISATION/ALTERATION FEATURES

Ce Gossanous	Vs Vain sulphide	Al Altered
Vn Veined	Ds Dissemin sulph	Sl Silicified
Di Disseminated	Fs Fracture sulph	
	Bs Banded sulph	

GEOLOGICAL FEATURES

Bd Bedded	Fr Fractured	Po Porphyritic
Bn Banded	Id Interbedded	Sc Schistose
Bx Brecciated	Lm Laminated	Sh Sheared
Fl Fissile (latite)	Mt Massive	Vu Vuggy

DIAGNOSTIC MINERALOGY

PRIMARY MINERALISATION

Ga Galena	Py Pyrite
Sp Sphalerite	Po Pyrrhotite
Cp Chalcopyrite	Su Unknown sulph

SECONDARY MINERALISATION

Ls Lead secondaries	Cs Copper sec.
Zs Zinc	Us Uranium "

ALTERATION/DIAGNOSTIC MINERALS

Cy Clay	Ha Haematite	Gt Garnet
Ep Epidote	Mt Magnetite	Ky Kyanite
Cc Carbonate	Js Jarosite	
	Mn Manganese mins	

COLOR CODES

L Light	A Banded	M Mottled
D Dark		
N Black	P Purple	V Green
G Gray	R Red	K Pink
B Brown	O Orange	E Blue
W White	Y Yellow	S Silver

APPENDIX 5 - ROCKCHIP SAMPLING LEDGER AND GEOCHEMISTRY

CRAE ROCKCHIP DATABASE.										
Results in ppm (Fe in %).										
Database last updated on 5/10/92										
SAMPLE NO.	DPO	EAST	NORTH	PROSPECT	BMRLITH	FIELD ID	TEXTURE	ALT/MIN	COLOUR	COMMENTS
3190546	71501	361080	5359530	STONEHENGE	Pou	Sbs	Sh	Gf	N	
3190547	71501	361130	5359680	STONEHENGE	Pou	Sbs	We		DG	
3190573	71506	355800	5357180	AVEBURY	Eg	Eb	Al	Mt	LV	Altered basalt (skarn?)
3190574	71506	355600	5357060	AVEBURY	E?	Ox	SIVu		MYVB	Totally silicified rock. Float.
3190575	71506	355600	5357060	AVEBURY	E?	Ox	SIVu		MYVB	Totally silicified rock. Float.
3190576	71506	356000	5357200	AVEBURY	Pou?	S?	Sl		W	Totally silicified rock.
3190584	71506	364700	5352000	GORDON LST	OIQrs?	Cbs			N	Black pug
3190585	71506	364700	5352000	GORDON LST	OIQrs?	Cbs	Bs	Py	N	Black pug, 5% Py.
3190586	71506	364700	5352000	GORDON LST	OIQrs?	Cbs	Bs	Py	N	Black pug, 5% Py.
3190587	71506	360100	5358600	GRUBBS	Pou	Obx	Ds	Sp	MWB	Qz-Sp breccia. Grubbs mine
3190588	71506	360100	5358600	GRUBBS	Pou	Obx	Ds	SpCs?	MWBV	Qz-Sp breccia. Grubbs mine
3190589	71506	360100	5358600	GRUBBS	Pou	Obx	Ds	SpGa	MWB	Qz-Sp-Ga breccia. Grubbs mine.
3190590	71506	360100	5358600	GRUBBS	Pou	Obx	Ds	Sp	MWLB	Qz-Sp breccia. Grubbs mine
3190592	71507	360100	5358600	GRUBBS	Pou	Obx	Ds	SpGa	MWB	Qz-Sp-Ga breccia. Grubbs mine
3190593	71507	359450	5358350	SWANSEA		Oms	Ms	Ga	S	Swansea. Ga for Pb isotopes.
3190594	71507	361750	5358800	NUBEENA	Pou	Mq	Vs	Ga	LG	Nubeena. Pb isotopes.
3308011	71516	349100	5356300	TRIAL HARBOUR	Esm	Ius	We		V	Dissem chromite?
3308012	71516	349150	5356250	TRIAL HARBOUR	Esm	I	Di	Mt	ALVN	Qtz-Mt rock in u/mafic.
3308013	71516	349000	5356250	TRIAL HARBOUR	Esm	Ius	Di	Mt	V	Olivine-Mt rock. 20% Mt.
3308014	71516	349100	5356200	TRIAL HARBOUR	Esm	Ius	We		V	
3308015	71516	349300	5356000	TRIAL HARBOUR	Esm	Ius	WeFo		YV	
3308016	71516	349300	5355850	TRIAL HARBOUR	Esm	Ius	WeFo		MYV	
3308017	71516	349000	5356100	TRIAL HARBOUR	Esm	Iu	Ds	NI	DV	Trial Hbr adit. 2-5% dissem NI?
3308018	71516	349000	5356100	TRIAL HARBOUR	Esm	Iu	Ds	NI	LV	Trial Hbr adit. 2-5% dissem NI?
3308022	71516	359800	5359300	SUNSHINE		Csf	Vu		YBN	Vuggy, boggy ironstone.
3308023	71516	359800	5359390	SUNSHINE		Csf	Vu		YBN	Vuggy, boggy ironstone.
3308024	71516	359960	5359250	SUNSHINE	Pou	Sbs	ShVn	Py	YN	Graphitic shale
3308025	71516	359960	5359250	SUNSHINE		Oms	Ms	Sp	FB	Minor qtz and siderite.
3308026	71516	359960	5359250	SUNSHINE	Pou	Of	VsDs	PySp	G	Pug with dissem Py and vein Sp.
3308027	71516	359980	5359260	SUNSHINE	Pou	Of	BxDs	PySp	G	Pug with dissem Py & brecc clasts.
3308028	71516	359990	5359290	SUNSHINE		OvqOvs	Ds	Sp	MWFP	qtz-sp rock.

APPENDIX 5 - ROCKCHIP SAMPLING LEDGER AND GEOCHEMISTRY

SAMPLE NO.	PROSPECT	BMRLITH	Ag	As	Au	Bi	Cr	Cu	Fe %	Mn	Mo	Ni	Pb	Sn	Zn
3190546	STONEHENGE	Pou	1	5		-10		13			-10		67		5
3190547	STONEHENGE	Pou	-0.5	5		-10		19			-10		12		9
3190573	AVEBURY	Eg	-1	24	-0.005			8					225	-3	345
3190574	AVEBURY	E?	-1	16	-0.005			15					83	14	230
3190575	AVEBURY	E?	2	28	-0.005			9					210	-3	530
3190576	AVEBURY	Pou?	-1	86	-0.005			10					205	-3	110
3190584	GORDON LST	OIQrs?	-1	43	-0.005			8					43	4	25
3190585	GORDON LST	OIQrs?	-1	80	-0.005			165					155	3	24
3190586	GORDON LST	OIQrs?	-1	36	-0.005			11					51	7	54
3190587	GRUBBS	Pou	50	4450	0.01			230					16100	160	210000
3190588	GRUBBS	Pou	14	3300	-0.005			235					1400	170	127000
3190589	GRUBBS	Pou	120	180	-0.005			150					65400	80	75600
3190590	GRUBBS	Pou	46	1040	0.011			755					1100	510	320000
3190592	GRUBBS	Pou													
3190593	SWANSEA														
3190594	NUBEENA	Pou													
3308011	TRIAL HARBOUR	Esm					680	6	3.42			2000			
3308012	TRIAL HARBOUR	Esm					445	7	12.21			1200			
3308013	TRIAL HARBOUR	Esm					1650	2	18.34			1850			
3308014	TRIAL HARBOUR	Esm					1250	2	10.56			7800			
3308015	TRIAL HARBOUR	Esm					1700	2	3.52			7350			
3308016	TRIAL HARBOUR	Esm					1600	4	3.05			7100			
3308017	TRIAL HARBOUR	Esm					675	120	7.35			33500			
3308018	TRIAL HARBOUR	Esm					745	67	6.24			25500			
3308022	SUNSHINE		-1	200				120	49.13	56100			12		95
3308023	SUNSHINE		-1	200				8	52.23	40800			-3		30
3308024	SUNSHINE	Pou	15	750				29	1.23	105			6600		21600
3308025	SUNSHINE		197	200				900	0.99	480			17600		570000
3308026	SUNSHINE	Pou	75	3750				290	0.39	205			34000		233000
3308027	SUNSHINE	Pou	10	200				36	0.99	130			5200		10800
3308028	SUNSHINE		124	11				385	0.06	79			22800		287000

Pb ISOTOPES

047116

ANALABS

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.
A.C.N. 004 591 664

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

PREFIX

ANALAB

A Division of Inchcape Inspection and Testing Services Australia Pty. Ltd.
A.C.N. 004 591 664

ANALYTICAL DATA

REPORT NUMBER

104160.60.08692

24/04/92

71507

1 OF 2

104160.60.08692

TUBE No.	SAMPLE No.	Pb4:6	Pb7:6	Pb8:6	Pb6:4	Pb7:4	Pb8:4	Pb4:7	Pb6:7	Pb8:7	Pb4:8	Pb6:8	Pb7:8
1	3190592	0.0491	0.8465	2.0730	20.37	17.24	42.22	0.0580	1.181	2.449	0.0237	0.4824	0.4083
2	3190593	0.0496	0.8511	2.0550	20.16	17.16	41.43	0.0583	1.175	2.415	0.0241	0.4866	0.4142
3	3190594	0.0493	0.8485	2.0540	20.28	17.21	41.66	0.0581	1.179	2.421	0.0240	0.4869	0.4131
4	[REDACTED]												
5													
6													
7													
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047117

APPENDIX 6

AMOCO-EZ WACKER SAMPLING LEDGERS
AND GEOCHEMISTRY

APPENDIX 6 - AMOCO-EZ WACKER SAMPLING LEDGERS

COMPETITOR OPEN-FILE WACKER DATABASE															
LAST UPDATED ON 3/7/92.															
RESULTS IN PPM															
SAMPNO	GRID	LOCALE	LOCALN	AMGE	AMGN	DEPTH	BEDROCK?	COLOR	Cu	Pb	Zn	Ag	Fe (%)	Mn	Ba
64565	MYRTLE	59975	49200	363912	5351011	3.8	Y	GB	85	240	20		1.68	20	580
64564	MYRTLE	60000	49200	363937	5351012	4.8	Y	G	5	10	10		0.88	145	45
64563	MYRTLE	60025	49200	363962	5351012	5.2	Y	G	5	35	20		0.90	105	95
64562	MYRTLE	60050	49200	363987	5351013	5.9	Y	G	5	10	10		0.67	100	
64561	MYRTLE	60075	49200	364012	5351013	5.9	N	B	10	210	140		0.50	20	250
64560	MYRTLE	60100	49200	364037	5351013	7.1	Y	G	10	15	20		0.64	70	
64559	MYRTLE	60125	49200	364062	5351014	5.6	N	BW	25	45	135		1.13	30	200
64558	MYRTLE	60150	49200	364087	5351014	26.2	Y	G	20	30	100		1.58	50	420
64557	MYRTLE	60175	49200	364112	5351015	24.4	Y	G	15	15	5		1.78	80	420
64556	MYRTLE	60200	49200	364137	5351015	20.3	Y	G	15	25	-5		1.13	20	460
64555	MYRTLE	60225	49200	364162	5351016	13.8	Y	GW	5	20	50		0.63	145	
64554	MYRTLE	60250	49200	364187	5351016	1.1	Y	G	5	10	10		0.35	65	
64553	MYRTLE	60275	49200	364212	5351016	1.0	Y	G	5	15	-5		0.35	50	70
64552	MYRTLE	60300	49200	364237	5351017	15.4	Y	GW	10	15	15		1.08	160	36
64551	MYRTLE	60325	49200	364262	5351017	0.6	Y	G	5	25	-5		0.93	215	50
64550	MYRTLE	60350	49200	364287	5351018	0.8	Y	GW	5	20	50		0.25	100	
64549	MYRTLE	60375	49200	364312	5351018	1.0	Y	GW	10	20	30		0.03	75	40
64548	MYRTLE	60400	49200	364337	5351019	8.1	Y	GW	10	20	20		0.92	150	75
64547	MYRTLE	60425	49200	364362	5351019	4.3	Y	G	5	20	15		0.14	50	
64546	MYRTLE	60450	49200	364387	5351019	1.0	Y	G	10	20	10		0.62	110	
64545	MYRTLE	60475	49200	364412	5351020	0.8	Y	GW	5	25	10		0.50	90	
64544	MYRTLE	60500	49200	364437	5351020	1.0	Y	GW	5	20	5		0.98	125	
64543	MYRTLE	60525	49200	364462	5351021	1.8	Y	GW	5	25	-5		0.98	135	25
64542	MYRTLE	60550	49200	364487	5351021	2.9	Y	GW	5	25	-5		0.39	140	
64541	MYRTLE	60575	49200	364512	5351022	11.7	Y		5	15	10		0.55	140	
64540	MYRTLE	60600	49200	364537	5351022	3.8	Y	GW	10	20	15		0.54	100	
64539	MYRTLE	60625	49200	364562	5351023	4.3	Y	G	5	20	215		0.64	135	
64538	MYRTLE	60650	49200	364587	5351023	2.8	Y	LGW	5	15	20		0.42	115	
64537	MYRTLE	60675	49200	364612	5351023	2.0	Y	LG	5	25	25		0.42	130	
64532	MYRTLE	60700	49200	364637	5351024	1.4	Y	GW	5	40	95		0.90	460	

APPENDIX 6 - AMOCO-EZ WACKER SAMPLING LEDGERS

64533	MYRTLE	60725	49200	364662	5351024	1.3 Y	GW	5	25	30		0.58	150	
64534	MYRTLE	60750	49200	364687	5351025	6.2 Y	G	5	20	5		0.90	285	
64535	MYRTLE	60775	49200	364712	5351025	7.4 Y	B	10	135	25		0.38	10	200
64536	MYRTLE	60800	49200	364737	5351026	12.7 Y	G	10	170	185		0.59	15	200
66220	MYRTLE	59950	49400	363884	5351211	6.6 Y	DG	5	-5	25		1.71	75	220
66221	MYRTLE	59975	49400	363909	5351211	14.8 Y	DG	-5	10	15		0.48	85	35
66222	MYRTLE	60000	49400	363934	5351212	4.8 Y	DG	5	10	35		1.56	95	300
66223	MYRTLE	60025	49400	363959	5351212	7.0 Y	G	5	15	55		1.26	20	440
66224	MYRTLE	60050	49400	363984	5351212	10.2 Y	DG	-5	-5	15		0.29	90	
66225	MYRTLE	60075	49400	364009	5351213	21.2 Y	G	-5	60	410		2.21	25	320
66226	MYRTLE	60100	49400	364034	5351213	4.9 Y	GB	40	275	325		1.11	20	460
66227	MYRTLE	60125	49400	364059	5351214	3.5 Y	DG	10	15	45		0.72	105	55
66228	MYRTLE	60150	49400	364084	5351214	2.9 Y	LG	5	10	40		0.59	85	40
66229	MYRTLE	60175	49400	364109	5351215	3.0 Y	DG	5	15	15		1.51	165	190
66230	MYRTLE	60200	49400	364134	5351215	3.5 Y	DGW	-5	5	30		0.60	70	
66231	MYRTLE	60225	49400	364159	5351216	2.8 N	BDG	35	205	145		1.51	15	180
66232	MYRTLE	60250	49400	364184	5351216	1.9 Y	DG	5	35	500		0.29	95	25
66233	MYRTLE	60275	49400	364209	5351216	1.7 Y	GW	25	105	120		1.11	190	35
66234	MYRTLE	60300	49400	364234	5351217	14.9 Y	DG	5	10	70		1.26	115	35
66235	MYRTLE	60325	49400	364259	5351217	8.5 Y	GW	-5	15	120		0.60	130	
66236	MYRTLE	60350	49400	364284	5351218	5.8 Y	GW	-5	-5	10		0.57	100	30
66237	MYRTLE	60375	49400	364309	5351218	1.7 Y	GW	-5	10	10		0.38	95	
66238	MYRTLE	60400	49400	364334	5351219	1.4 Y	DG	-5	5	20		2.16	130	80
66239	MYRTLE	60425	49400	364359	5351219	1.0 Y	DG	-5	5	35		0.48	105	
66240	MYRTLE	60450	49400	364384	5351219	1.2 Y	DG	-5	10	15		0.77	120	
66241	MYRTLE	60475	49400	364409	5351220	3.6 Y	DG	10	-5	15		0.85	130	60
66242	MYRTLE	60500	49400	364434	5351220	9.4 Y	DG	5	-5	15		0.78	110	35
66243	MYRTLE	60525	49400	364459	5351221	20.3 Y	G	-5	-5	30		0.32	70	
66244	MYRTLE	60550	49400	364484	5351221	13.3 Y	GW	-5	10	15		0.88	115	
66245	MYRTLE	60575	49400	364509	5351222	13.2 N	N	20	35	30		0.61	120	270
66246	MYRTLE	60600	49400	364534	5351222	12.5 Y	BG	20	30	255		1.71	20	230
66247	MYRTLE	60625	49400	364559	5351223	9.8 Y	BG	10	60	365		0.78	10	90
66215	MYRTLE	59925	49600	363855	5351410	2.7 Y	LG	5	-5	-5		0.40	165	39
66214	MYRTLE	59950	49600	363880	5351411	4.8 Y	DGW	-5	5	55		0.34	235	
66213	MYRTLE	59975	49600	363905	5351411	2.0 Y	GW	5	-5	-5		0.34	65	24

APPENDIX 6 - AMOCO-EZ WACKER SAMPLING LEDGERS

66212	MYRTLE	60000	49600	363930	5351412	2.0	Y	G	5	-5	-5		0.29	45	38
66211	MYRTLE	60025	49600	363955	5351412	12.8	Y	G	5	-5	-5		1.20	160	90
66210	MYRTLE	60050	49600	363980	5351412	2.1	Y	DGW	5	5	-5		0.75	110	49
66209	MYRTLE	60075	49600	364005	5351413	2.0	Y	DG	5	5	-5		1.76	115	107
66208	MYRTLE	60100	49600	364030	5351413	1.4	Y	GW	5	-5	-5		0.75	55	79
66207	MYRTLE	60125	49600	364055	5351414	1.5	Y	DGW	5	-5	-5		0.77	40	68
66206	MYRTLE	60150	49600	364080	5351414	1.8	Y	DG	5	-5	-5		1.17	125	95
66205	MYRTLE	60175	49600	364105	5351415	1.8	Y	GW	5	-5	-5		0.65	125	11
66204	MYRTLE	60200	49600	364130	5351415	1.7	Y	LGW	-5	-5	-5		0.09	40	
66203	MYRTLE	60225	49600	364155	5351416	1.8	Y	DG	10	15	-5		1.26	185	215
66202	MYRTLE	60250	49600	364180	5351416	7.9	Y	LG	5	-5	-5		0.36	65	
66269	MYRTLE	60275	49600	364205	5351416	14.2	Y	DG	5	25	20		0.01	20	200
66268	MYRTLE	60300	49600	364230	5351417	2.6	Y	DGW	-5	10	10		1.11	180	45
66267	MYRTLE	60325	49600	364255	5351417	1.2	Y	DG	-5	15	15		0.09	30	
66266	MYRTLE	60350	49600	364280	5351418	2.0	Y	DG	5	20	55		0.84	100	40
66265	MYRTLE	60375	49600	364305	5351418	1.5	Y	DG	5	35	25		0.28	690	
66264	MYRTLE	60400	49600	364330	5351419	2.7	Y	DG	-5	22	20		0.84	140	25
66263	MYRTLE	60425	49600	364355	5351419	2.8	Y	DG	5	30	30		1.21	210	45
66262	MYRTLE	60450	49600	364380	5351419	2.4	Y	DG	-5	30	15		0.65	85	30
66261	MYRTLE	60475	49600	364405	5351420	2.6	Y	GW	5	40	40		0.57	335	
66260	MYRTLE	60500	49600	364430	5351420	2.3	Y	LGW	-5	30	15		0.42	95	
66259	MYRTLE	60525	49600	364455	5351421	7.5	Y	DGW	5	30	15		0.84	125	35
66258	MYRTLE	60550	49600	364480	5351421	5.6	Y	G	54	25	10		1.01	130	65
66257	MYRTLE	60575	49600	364505	5351422	3.5	Y	DG	10	25	15		1.21	135	65
66256	MYRTLE	60600	49600	364530	5351422	9.7	Y	DGW	10	20	15		1.11	155	65
66255	MYRTLE	60625	49600	364555	5351422	10.3	Y	DG	5	25	10		1.31	170	50
66254	MYRTLE	60650	49600	364580	5351423	13.0	Y	LGW	5	25	20		1.31	405	
66253	MYRTLE	60675	49600	364605	5351423	11.0	N	B	10	35	235		1.86	10	350
66251	MYRTLE	60700	49600	364630	5351424	6.6	Y	B	15	30	10		0.57	10	280
66252	MYRTLE	60725	49600	364655	5351424	8.6	N	BG	20	40	95		2.41	15	250
66250	MYRTLE	60750	49600	364680	5351425	7.4	Y	B	15	25	35		2.76	20	190
66249	MYRTLE	60775	49600	364705	5351425	10.2	N		5	10	50		2.91	10	120
66248	MYRTLE	60800	49600	364730	5351426	7.2	Y	BG	25	30	75		3.36	25	270
64485	MYRTLE	59700	49800	363627	5351606	4.8		GTB	15	30	340		3.36		545
64483	MYRTLE	59725	49800	363652	5351607	2.0		GW	5	10	90		0.71	625	11

APPENDIX 6 - AMOCO-EZ WACKER SAMPLING LEDGERS

64482	MYRTLE	59750	49800	363677	5351607	1.2		GW	5	- 5	20		0.09	45	
64481	MYRTLE	59775	49800	363702	5351608	0.6		DGW	5	20	40		0.98	250	62
64480	MYRTLE	59800	49800	363727	5351608	2.6		GWL	5	- 5	40		0.34	135	12
64479	MYRTLE	59825	49800	363752	5351608	7.8		DG	10	25	370		3.16		265
64478	MYRTLE	59850	49800	363777	5351609	17.7		DG	20	30	90		2.36	20	507
64484	MYRTLE	59875	49800	363802	5351609	1.0		G	- 5	- 5	15		0.40	195	12
64486	MYRTLE	59900	49800	363827	5351610			LG	5	- 5	335		0.25	85	
64487	MYRTLE	59925	49800	363852	5351610	2.0		GW	5	15	175		0.69	85	14
64488	MYRTLE	59950	49800	363877	5351611	1.0		LG	5	- 5	- 5		0.74	70	82
64489	MYRTLE	59975	49800	363902	5351611	0.6		LG	5	- 5	5		0.84	130	48
64490	MYRTLE	60000	49800	363927	5351612	0.8		G	- 5	- 5	- 5		0.64	90	21
64491	MYRTLE	60025	49800	363952	5351612	0.7		GW	- 5	- 5	135		0.16	50	15
64492	MYRTLE	60050	49800	363977	5351612	1.0		GW	- 5	- 5	- 5		0.54	75	33
64493	MYRTLE	60075	49800	364002	5351613	0.7		G	- 5	- 5	- 5		0.50	60	28
64494	MYRTLE	60100	49800	364027	5351613	0.6		G	- 5	- 5	- 5		0.25	50	25
64495	MYRTLE	60125	49800	364052	5351614	0.9		G	- 5	- 5	- 5		0.27	40	44
64496	MYRTLE	60150	49800	364077	5351614	2.2		DG	5	- 5	- 5		0.97	145	56
64497	MYRTLE	60175	49800	364102	5351615	3.1		WDG	5	- 5	- 5		1.16	130	121
64498	MYRTLE	60200	49800	364127	5351615	14.5		DG	5	- 5	- 5		1.16	160	120
64499	MYRTLE	60225	49800	364152	5351615	8.6		DG	5	- 5	- 5		0.99	165	94
64500	MYRTLE	60250	49800	364177	5351616	16.3		WDG	5	- 5	- 5		0.97	155	82
61520	MYRTLE	60275	49800	364202	5351616	6.7	?	GNDG	15	25	130		2.85	5	262
61519	MYRTLE	60300	49800	364227	5351617	12.2	Y	GNDG	10	35	135		0.85	95	46
61518	MYRTLE	60325	49800	364252	5351617	5.5	Y	DGW	5	30	20		0.69	95	22
61517	MYRTLE	60350	49800	364277	5351618	12.2	Y	DGW	5	30	120		1.35	140	80
61516	MYRTLE	60375	49800	364302	5351618	12.7	Y	DGW	5	30	125		0.38	75	28
61515	MYRTLE	60400	49800	364327	5351619	15.8	Y	GW	5	35	25		0.47	140	10
61514	MYRTLE	60425	49800	364352	5351619	14.5	Y	GW	5	30	60		0.45	100	10
62496	MYRTLE	60450	49800	364377	5351619	16.2	N	DG	25	70	140		4.77	25	182
61513	MYRTLE	60475	49800	364402	5351620	17.5	Y	GW	5	40	45		0.52	165	10
61512	MYRTLE	60500	49800	364427	5351620	16.7	Y	GW	5	35	275		0.59	230	16
61511	MYRTLE	60525	49800	364452	5351621	16.2	Y	GW	10	50	195		1.30	330	21
61510	MYRTLE	60550	49800	364477	5351621	21.0	Y	GMGN	25	65	175		5.40	75	163
61509	MYRTLE	60575	49800	364502	5351622	14.5	Y	GBW	20	45	80		8.50	25	159
61508	MYRTLE	60600	49800	364527	5351622	8.0	Y	B	25	35	160		4.15	25	181

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67101	MYRTLE	59850	49900	363775	5351709	4.0	Y	G	10	20	40		0.68	80	112
67102	MYRTLE	59875	49900	363800	5351709	2.8	Y	GW	5	340	75		0.37	65	15
67103	MYRTLE	59900	49900	363825	5351710	3.1	Y	LGB	15	180	30		0.35	65	137
67104	MYRTLE	59925	49900	363850	5351710	2.8	Y	LGW	10	250	400		4.00	175	69
67105	MYRTLE	59950	49900	363875	5351711	1.8	Y	G	5	20	35		0.46	75	49
67106	MYRTLE	59975	49900	363900	5351711	0.4	Y	GB	10	15	35		3.50	95	186
67107	MYRTLE	60000	49900	363925	5351712	2.4	Y	GW	5	15	20		0.88	155	83
67108	MYRTLE	60025	49900	363950	5351712	3.3	Y	DGW	10	10	20		1.40	180	203
67109	MYRTLE	60050	49900	363975	5351712	1.3	Y	DG	10	10	25		1.60	170	176
67110	MYRTLE	60075	49900	364000	5351713	5.8	Y	DG	5	15	30		1.40	165	32
67111	MYRTLE	60100	49900	364025	5351713	12.5	N	N	30	245	3050		4.00	15	275
62490	MYRTLE	59650	50000	363574	5351805	5.6	?	LRB	5	5	-5		0.15	10	302
62489	MYRTLE	59675	50000	363599	5351806	3.7	?	DGB	25	60	2510		4.77	30	246
62488	MYRTLE	59700	50000	363624	5351806	7.8	Y	DG	10	30	85		0.60	235	26
62487	MYRTLE	59725	50000	363649	5351807	8.9	Y	DG	5	5	30		0.37	235	5
62486	MYRTLE	59750	50000	363674	5351807	1.0	Y	DG	10	25	105		1.22	160	105
62485	MYRTLE	59775	50000	363699	5351808	0.6	Y	G	10	35	75		2.22	230	29
62484	MYRTLE	59800	50000	363724	5351808	1.0	Y	DG	10	45	120		0.50	130	37
62483	MYRTLE	59825	50000	363749	5351808	8.4	Y	LG	15	20	180	0.5	0.45	135	26
62482	MYRTLE	59850	50000	363774	5351809	7.9	Y	G	25	240	220		1.42	20	447
62481	MYRTLE	59875	50000	363799	5351809	5.9	Y	LBG	45	185	190		3.57	15	336
62480	MYRTLE	59900	50000	363823	5351810	7.4	?	BG	1395	25400	24300	3.5	0.90	5	154
62479	MYRTLE	59925	50000	363848	5351810	5.7	Y	DG	50	985	40300	0.5	1.97	5	176
62478	MYRTLE	59950	50000	363873	5351811	0.6	Y	G	10	10	60		0.38	130	24
62477	MYRTLE	59975	50000	363898	5351811	3.8	Y	DG	5	15	85		0.45	120	7
62476	MYRTLE	60000	50000	363923	5351812	13.7	?	DG	10	20	35		0.92	145	53
62475	MYRTLE	60025	50000	363948	5351812	5.0	?	DG	15	15	-5		1.22	135	92
62474	MYRTLE	60050	50000	363973	5351812	3.8	?	DGB	5	-5	5		0.10	5	238
62473	MYRTLE	60075	50000	363998	5351813	3.9	Y	DGB	15	45	25		0.12	5	193
62472	MYRTLE	60100	50000	364023	5351813	4.8	Y	DGB	130	1685	8260	1.5	4.42	5	204
62471	MYRTLE	60125	50000	364048	5351814	6.8	?	DGB	30	55	455		1.82	15	281
62470	MYRTLE	60150	50000	364073	5351814	4.0	?	GB	55	100	25		0.88	10	198
62469	MYRTLE	60175	50000	364098	5351815	3.6	NB	DGB	60	85	175		3.27	15	252
62468	MYRTLE	60200	50000	364123	5351815	3.2	Y	G	10	30	75		0.47	100	9
62467	MYRTLE	60225	50000	364148	5351815	1.2	Y	GW	5	25	55		0.45	95	25

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62466	MYRTLE	60250	50000	364173	5351816	3.6 Y	G	5	10	10		0.83	90	19
62465	MYRTLE	60275	50000	364198	5351816	5.0 Y	G	10	15	65		1.52	85	9
62464	MYRTLE	60300	50000	364223	5351817	0.6 Y	DG	15	15	35		0.44	90	43
62463	MYRTLE	60325	50000	364248	5351817	0.7 Y	G	5	55	135		0.32	95	15
62491	MYRTLE	60350	50000	364273	5351818	4.0 Y	DG	20	15	115		1.27	155	81
62492	MYRTLE	60375	50000	364298	5351818	11.8 Y	G	15	20	105		1.22	185	47
62499	MYRTLE	60400	50000	364323	5351818	17.2 Y	DG	40	210	455	0.5	2.15	25	280
61501	MYRTLE	60425	50000	364348	5351819	26.4 Y	GW	5	40	35		0.45	85	13
61502	MYRTLE	60450	50000	364373	5351819	12.4 Y	GW	5	40	40		0.75	120	30
61503	MYRTLE	60475	50000	364398	5351820	15.5 Y	GW	5	35	65		0.70	150	27
61504	MYRTLE	60500	50000	364423	5351820	11.3 Y	DG	30	30	65		2.65	25	309
61505	MYRTLE	60525	50000	364448	5351821	9.4 Y	BGGN	30	45	330		2.95	25	236
61506	MYRTLE	60550	50000	364473	5351821	2.8 Y	BGGN	35	65	180		1.90	20	175
61507	MYRTLE	60575	50000	364498	5351822	4.4 Y	B	25	65	165		2.75	20	188
67112	MYRTLE	59850	50100	363772	5351909	0.7 Y	LGW	10	15	40		0.63	145	70
67113	MYRTLE	59875	50100	363797	5351909	3.2 Y	LGW	5	20	80		1.00	315	22
67114	MYRTLE	59900	50100	363822	5351910	6.8 Y	DG	30	90	610		1.30	5	93
67115	MYRTLE	59925	50100	363847	5351910	11.4 Y	WDG	5	20	30		0.54	80	32
67116	MYRTLE	59950	50100	363872	5351911	10.4 Y	GW	10	10	40		0.57	55	42
67117	MYRTLE	59975	50100	363897	5351911	9.0 Y	G	5	5	30		0.50	60	60
67118	MYRTLE	60000	50100	363922	5351912	11.7 Y	GW	5	20	25		0.42	65	54
67119	MYRTLE	60025	50100	363947	5351912	6.8 N	DG	15	25	75		0.76	65	86
67120	MYRTLE	60050	50100	363972	5351912	9.8 Y	DG	5	15	170		1.80	65	83
67121	MYRTLE	60075	50100	363997	5351913	6.8 Y	G	5	15	20		0.72	110	46
67122	MYRTLE	60100	50100	364022	5351913	9.4 N	NBL	145	130	360		3.20	5	365
67123	MYRTLE	60125	50100	364047	5351914	13.6 Y	GW	10	20	145		1.80	75	134
67124	MYRTLE	60150	50100	364072	5351914	12.6 N	N	20	30	85		1.70	10	403
67125	MYRTLE	60175	50100	364097	5351915	6.4 Y	GW	15	30	35		3.60	100	56
67126	MYRTLE	60200	50100	364122	5351915	3.8 Y	GW	10	15	140		2.00	115	49
67127	MYRTLE	60225	50100	364147	5351915	15.2 Y	DG	10	20	85		1.50	200	129
67128	MYRTLE	60250	50100	364172	5351916	6.8 Y	DG	10	20	30		0.98	100	77
67129	MYRTLE	60275	50100	364197	5351916	20.4 Y	DG	-5	35	35		1.04	105	85
67130	MYRTLE	60300	50100	364222	5351917	1.8 Y	G	5	30	30		0.46	80	56
67131	MYRTLE	60325	50100	364247	5351917	1.5 Y	G	5	30	30		0.85	275	178
67132	MYRTLE	60350	50100	364272	5351918	1.2 Y	G	-5	25	30		0.94	130	81

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67133	MYRTLE	60375	50100	364297	5351918	1.0	Y	G	10	30	20		0.91	250	191
67134	MYRTLE	60400	50100	364322	5351918	2.2	Y	GW	-5	30	35		0.84	110	46
64472	MYRTLE	59800	50200	363720	5352008	2.3		LG	10	30	70		0.27	75	33
64471	MYRTLE	59825	50200	363745	5352008	2.0		LG	5	10	70		0.25	70	25
64470	MYRTLE	59850	50200	363770	5352009	0.2		DG	10	20	20		0.50	75	72
64469	MYRTLE	59875	50200	363795	5352009	0.1			10	-5	-5		0.13	60	
64468	MYRTLE	59900	50200	363820	5352010	0.7		GW	5	30	45		0.66	75	17
64467	MYRTLE	59925	50200	363845	5352010	1.2		GW	10	355	185		0.69	80	44
64466	MYRTLE	59950	50200	363870	5352011	12.2		GW	5	10	15		0.41	65	10
64465	MYRTLE	59975	50200	363895	5352011	11.8		BNW	55	200	3805		1.06		275
64464	MYRTLE	60000	50200	363920	5352011	10.1		DG	5	15	170		0.81	95	72
64463	MYRTLE	60025	50200	363945	5352012	12.7		DGN	5	-5	-5		0.55	95	23
64462	MYRTLE	60050	50200	363970	5352012	10.1	?	LBL	45	40	185		2.56		503
64461	MYRTLE	60075	50200	363995	5352013	8.8	N	LBTL	30	5	95		1.58	5	548
64460	MYRTLE	60100	50200	364020	5352013	6.7	N	LG	30	-5	245		0.47	75	12
64459	MYRTLE	60125	50200	364045	5352014	12.1		DG	5	-5	50		0.80	135	25
64458	MYRTLE	60150	50200	364070	5352014	10.2	N	BNG	35	65	625		3.26	50	304
64457	MYRTLE	60175	50200	364095	5352015	12.7		LG	25	30	855		1.36		328
64456	MYRTLE	60200	50200	364120	5352015	8.0		BLG	180	60	5		0.20		371
64455	MYRTLE	60225	50200	364145	5352015	6.4		BLG	5	10	-5		0.11		309
64454	MYRTLE	60250	50200	364170	5352016	12.0		BLG	70	1840	6005		2.26	10	447
64453	MYRTLE	60275	50200	364195	5352016	16.0		DGW	15	40	1055		1.56	20	423
64452	MYRTLE	60300	50200	364220	5352017	13.0		DG	10	5	5		1.86	180	135
64451	MYRTLE	60325	50200	364245	5352017	16.7		DGW	30	60	305		3.19	15	224
64450	MYRTLE	60350	50200	364270	5352018	12.9		DGW	10	25	125		1.96	215	67
64449	MYRTLE	60375	50200	364295	5352018	26.9		G	25	60	1155		2.28	50	183
64473	MYRTLE	60400	50200	364320	5352018	13.7		DG	10	25	955		3.28	5	52
64474	MYRTLE	60425	50200	364345	5352019	7.4		WDG	5	-5	45		0.32	70	24
64475	MYRTLE	60450	50200	364370	5352019	2.6		DG	10	15	50		0.97	110	65
64476	MYRTLE	60475	50200	364395	5352020	2.3		G	5	10	25		0.42	90	23
64477	MYRTLE	60500	50200	364420	5352020	10.2		DB	15	40	455		7.66	15	159
62971	MYRTLE	59950	50300	363868	5352111	10.7		LGB	20	40	30	0.5	0.36	10	532
62970	MYRTLE	59975	50300	363893	5352111	5.6		LGB	10	45	25	1.5	0.34	10	552
62969	MYRTLE	60000	50300	363918	5352111	1.3		LGB	10	50	65	0.5	0.67	10	522
62968	MYRTLE	60025	50300	363943	5352112	7.6		LG	10	50	40	0.5	0.22	10	607

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62967	MYRTLE	60050	50300	363968	5352112	7.7		DG	15	395	285	1.5	2.10	90	82
62966	MYRTLE	60075	50300	363993	5352113	22.0	N	DGW	30	640	1000	1.0	2.35	225	120
62965	MYRTLE	60100	50300	364018	5352113	16.3		DG	10	60	155		1.25	160	140
62964	MYRTLE	60125	50300	364043	5352114	12.6		DGGN	25	970	7350		0.96	20	355
62963	MYRTLE	60150	50300	364068	5352114	18.3		DGW	10	55	90	2.5	0.68	120	39
62962	MYRTLE	60175	50300	364093	5352115	20.5		DGW	10	60	290	1.0	1.30	120	129
62961	MYRTLE	60200	50300	364118	5352115	12.5		GW	10	45	75		0.38	80	36
62960	MYRTLE	60225	50300	364143	5352115	13.8		G	15	55	95		0.83	95	83
62959	MYRTLE	60250	50300	364168	5352116	16.3		LGW	15	35	85		0.49	90	75
62958	MYRTLE	60275	50300	364193	5352116	14.6		DGW	25	95	490		2.40	45	273
62957	MYRTLE	60300	50300	364218	5352117	12.5		LG	10	35	45		0.55	135	31
62956	MYRTLE	60325	50300	364243	5352117	12.7		LBN	65	135	90		0.58	15	419
62955	MYRTLE	60350	50300	364268	5352118	10.8		LDG	25	105	40	0.5	0.24	5	427
62954	MYRTLE	60375	50300	364293	5352118	11.6	N	DG	105	425	1050	1.0	2.25	30	272
62953	MYRTLE	60400	50300	364318	5352118	10.6	N	DG	55	410	985	1.0	6.30	15	4770
62972	MYRTLE	60425	50300	364343	5352119	12.7		DGW	10	40	35		0.45	115	56
62973	MYRTLE	60450	50300	364368	5352119	2.5		LDG	10	45	130	0.5	0.78	255	25
62974	MYRTLE	60475	50300	364393	5352120	1.5		DGW	15	50	65	1.0	1.50	210	126
62975	MYRTLE	60500	50300	364418	5352120	10.6		LG	10	35	240	0.5	4.40	130	20
62976	MYRTLE	60525	50300	364443	5352121	10.4		DLG	40	60	75	1.0	2.05	255	98
62977	MYRTLE	60550	50300	364468	5352121	22.0	N	GGN	20	85	1250	1.0	2.70	20	120
62978	MYRTLE	60575	50300	364493	5352122	1.6		B	10	25	30	1.5	0.10	5	91
62979	MYRTLE	60600	50300	364518	5352122	4.7		DGB	65	590	170	1.5	0.81	25	313
62980	MYRTLE	60625	50300	364543	5352122	2.8		B	10	45	25		0.15	10	364
62981	MYRTLE	60650	50300	364568	5352123	2.1		B	5	25	20	1.0	0.10	5	215
62982	MYRTLE	60675	50300	364593	5352123	2.4		LBL	5	205	25	1.0	0.24	5	433
62983	MYRTLE	60700	50300	364618	5352124	8.8		GDG	10	1750	15	1.0	0.14	5	544
62984	MYRTLE	60725	50300	364643	5352124	7.6		LW	45	1000	155		2.50	20	951
62985	MYRTLE	60750	50300	364668	5352125	10.8		DGL	40	200	30	1.0	4.70	10	217
62986	MYRTLE	60775	50300	364693	5352125	5.0		LBL	20	60	20	1.0	1.45	15	238
62987	MYRTLE	60800	50300	364718	5352125	9.8		LW	10	195	25	0.5	0.35	10	258
60497	MYRTLE	60200	50400	364116	5352215	8.6		LG	65	45	240		0.75	10	481
60496	MYRTLE	60225	50400	364141	5352215	7.5		G	110	85	170		0.65	10	522
60495	MYRTLE	60250	50400	364166	5352216	3.6		NG	15	20	40		1.50	10	533
60494	MYRTLE	60275	50400	364191	5352216	1.2		GNBG	15	20	35		0.45	10	556

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60493	MYRTLE	60300	50400	364216	5352217	9.6		DG	20	30	1850		2.20	20	454
60492	MYRTLE	60325	50400	364241	5352217	7.5		G	200	40	705	1.0	0.46	5	638
60491	MYRTLE	60350	50400	364266	5352218	10.6	N	N	20	25	415	0.5	1.80	10	397
60490	MYRTLE	60375	50400	364291	5352218	4.8		LB	15	235	20	0.5	0.84	5	363
60489	MYRTLE	60400	50400	364316	5352218	7.0		LG	5	25	45		0.60	130	44
60488	MYRTLE	60425	50400	364341	5352219	15.3		DG	15	75	500		2.35	125	142
60457	MYRTLE	60450	50400	364366	5352219	7.3		DG	10	35	280		0.99	185	70
60456	MYRTLE	60475	50400	364391	5352220	2.6		DG	10	40	615		1.85	180	118
60455	MYRTLE	60500	50400	364416	5352220	1.4		DG	15	45	945		3.80	150	87
62408	MYRTLE	60525	50400	364441	5352221	9.6	Y	DG	-5	10	-5		0.66	90	19
62409	MYRTLE	60550	50400	364466	5352221	8.8	N	G	20	35	680		1.17	10	267
62410	MYRTLE	60575	50400	364491	5352221	4.7	Y	LG	10	25	15		0.21	5	470
62411	MYRTLE	60600	50400	364516	5352222	7.7	Y	DG	10	30	55		0.18	5	495
62412	MYRTLE	60625	50400	364541	5352222	3.6	Y	LGB	5	-5	-5		0.11		364
62413	MYRTLE	60650	50400	364566	5352223	8.0	Y	G	20	-5	-5		0.60		203
62414	MYRTLE	60675	50400	364591	5352223	1.2	N	G	5	10	70		0.15	10	109
62415	MYRTLE	60700	50400	364616	5352224	5.6	?	B	40	25	60		2.57	5	238
62416	MYRTLE	60725	50400	364641	5352224	8.1	?	DG	5	180	-5		0.13	5	99
62417	MYRTLE	60750	50400	364666	5352225	2.8	Y	LB	10	20	30		0.20	5	153
62418	MYRTLE	60775	50400	364691	5352225	12.0	Y	DG	10	20	30		1.17	245	33
62419	MYRTLE	60800	50400	364716	5352225	5.0	Y	LG	10	15	30		0.42	180	15
62420	MYRTLE	60825	50400	364741	5352226	11.2	Y	LG	20	20	195		0.87	220	21
62421	MYRTLE	60850	50400	364766	5352226	9.9	Y	G	20	25	325		10.42	1790	129
62422	MYRTLE	60875	50400	364791	5352227	6.8	?	DG	35	70	120		1.97	220	181
62423	MYRTLE	60900	50400	364816	5352227	5.4	Y	DG	20	35	180		2.77	345	39
62424	MYRTLE	60925	50400	364841	5352228	4.8	?	LB	55	100	1410		1.42	215	241
62425	MYRTLE	60950	50400	364866	5352228	6.9	Y	LG	10	80	25		0.74	5	483
62426	MYRTLE	60975	50400	364891	5352228	8.0	?	NB	40	45	105		3.87	40	362
62427	MYRTLE	61000	50400	364916	5352229	4.0	N	G	5	15	70		0.27	20	117
62428	MYRTLE	61025	50400	364941	5352229	7.5	?	LG	100	300	25		0.27	5	615
62429	MYRTLE	61050	50400	364966	5352230	9.0	?	BG	60	-5	65		0.23	10	234
62430	MYRTLE	61075	50400	364991	5352230	1.0	N	BG	10	-5	-5		0.13	5	23
62431	MYRTLE	61100	50400	365016	5352231	5.3	N	LG	5	-5	40		0.36	10	295
60398	MYRTLE	60100	50500	364015	5352313	6.8		B	15	30	195	0.5	0.20	20	52
60397	MYRTLE	60125	50500	364040	5352314	2.0		LB	15	30	180		0.20	20	

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60396	MYRTLE	60150	50500	364065	5352314	13.6		DG	15	45	455		0.65	345	49
60395	MYRTLE	60175	50500	364090	5352314	7.8		DGW	15	40	315		0.75	260	51
60394	MYRTLE	60200	50500	364115	5352315	2.8		DGW	50	160	570	1.5	1.90	940	55
60393	MYRTLE	60225	50500	364140	5352315	4.3		G	15	40	235		1.75	195	51
60392	MYRTLE	60250	50500	364165	5352316	1.8		GLG	15	35	230		0.53	85	49
60391	MYRTLE	60275	50500	364190	5352316	14.0		DGB	20	40	1900		3.55	30	338
60390	MYRTLE	60300	50500	364215	5352317	4.6		DG	25	45	360		1.70	30	360
60389	MYRTLE	60325	50500	364240	5352317	1.2		GGNB	35	100	6250		1.70	25	428
60388	MYRTLE	60350	50500	364265	5352318	1.6		DGGN	30	130	245		0.25	15	222
60387	MYRTLE	60375	50500	364290	5352318	13.6		DG	40	140	5150		1.35	25	495
60383	MYRTLE	60400	50500	364315	5352318	10.2		G	30	220	3450		2.10	35	6120
60373	MYRTLE	60410	50500	364328	5352319	1.8		LG	15	340	375	1.5	0.35	20	6760
60384	MYRTLE	60425	50500	364340	5352319	13.0		GBGN	295	15000	8600	8.5	0.76	20	2820
60360	MYRTLE	60450	50500	364365	5352319	9.2		LGNB	25	455	18500	2.0	2.55	40	5920
60371	MYRTLE	60460	50500	364378	5352320	10.8		GNBG	30	295	87500	6.5	2.30	25	1960
60385	MYRTLE	60475	50500	364390	5352320	9.5		LG	20	80	475		0.59	110	116
60386	MYRTLE	60500	50500	364415	5352320	13.4		LDG	15	110	175		1.25	155	80
62901	MYRTLE	60525	50500	364440	5352321	14.0	NB	DG	50	290	1050	0.5	3.60	30	332
62902	MYRTLE	60550	50500	364465	5352321	8.6		DG	20	50	205		1.20	150	41
62903	MYRTLE	60575	50500	364490	5352321	13.6		LGW	15	45	180		1.25	145	67
62904	MYRTLE	60600	50500	364515	5352322	3.0		LGW	15	25	175		0.60	110	86
62905	MYRTLE	60625	50500	364540	5352322	2.3		DGW	20	55	240		1.55	180	38
62906	MYRTLE	60650	50500	364565	5352323	1.6		DG	40	465	350		3.65	260	73
62907	MYRTLE	60675	50500	364590	5352323	1.8		G	15	40	190		1.40	200	23
62908	MYRTLE	60700	50500	364615	5352324	1.0		G	20	35	190		2.35	235	67
62909	MYRTLE	60725	50500	364640	5352324	2.8		GW	15	30	150		0.65	150	38
62910	MYRTLE	60750	50500	364665	5352325	22.0	N	DG	30	420	1050		2.30	125	140
62911	MYRTLE	60775	50500	364690	5352325	4.6		GW	15	35	245		1.95	500	48
62912	MYRTLE	60800	50500	364715	5352325	5.8		G	25	40	225		1.35	145	20
62913	MYRTLE	60825	50500	364740	5352326	3.6		GW	15	30	130		0.65	140	23
62914	MYRTLE	60850	50500	364765	5352326	5.5		GW	10	35	195		0.55	185	30
62915	MYRTLE	60875	50500	364790	5352327	11.0	N	LG	20	30	500	0.5	0.35	15	360
62916	MYRTLE	60900	50500	364815	5352327	17.0		DG	20	40	145		1.45	85	310
62917	MYRTLE	60925	50500	364840	5352328	2.6		LG	15	30	195		0.44	190	67
62918	MYRTLE	60950	50500	364865	5352328	1.0		DG	10	50	145	0.5	1.15	380	57

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62919	MYRTLE	60975	50500	364890	5352328	6.8		LBN	65	775	950		2.80	60	100
62920	MYRTLE	61000	50500	364915	5352329	10.8		LLB	15	60	105		1.30	15	408
62921	MYRTLE	61025	50500	364940	5352329	2.8		LBL	15	30	210		0.47	20	28
62922	MYRTLE	61050	50500	364965	5352330	1.0		LG	5	10	85	0.5	0.12	10	
62952	MYRTLE	60225	50600	364138	5352415	7.2		BFBG	105	95	125	0.5	0.25	10	481
62951	MYRTLE	60250	50600	364163	5352416	4.0		LBG	35	835	3200	3.0	0.32	10	522
62950	MYRTLE	60275	50600	364188	5352416	8.7		LGB	35	55	9200	0.5	1.80	20	458
62949	MYRTLE	60300	50600	364213	5352417	20.5		DG	10	95	645	0.5	0.95	170	113
62948	MYRTLE	60325	50600	364238	5352417	13.6		G	15	65	310		1.80	210	173
62947	MYRTLE	60350	50600	364263	5352418	14.3		DG	10	65	520		1.15	170	115
62946	MYRTLE	60375	50600	364288	5352418	21.8		DGB	15	4050	120000	5.5	1.85	10	2020
62945	MYRTLE	60400	50600	364313	5352418	19.5		GW	55	560	1750		0.97	30	507
62944	MYRTLE	60425	50600	364338	5352419	14.3		G	20	65	1450		7.00	20	3070
62943	MYRTLE	60450	50600	364363	5352419	13.6	NB	DG	25	345	1700		2.25	30	601
62942	MYRTLE	60475	50600	364388	5352420	6.7		DGW	10	35	85		0.50	105	40
62941	MYRTLE	60500	50600	364413	5352420	1.0		DG	10	40	30		0.68	110	66
62940	MYRTLE	60525	50600	364438	5352421	0.5		DGW	10	40	40		0.28	70	36
62939	MYRTLE	60550	50600	364463	5352421	0.5		G	10	55	30		0.88	95	82
62938	MYRTLE	60575	50600	364488	5352421	0.8		G	10	35	60		0.48	80	74
62937	MYRTLE	60600	50600	364513	5352422	1.0		GW	10	30	55		0.46	105	43
62936	MYRTLE	60625	50600	364538	5352422	0.8		DGW	10	30	35		0.85	130	81
62935	MYRTLE	60650	50600	364563	5352423	0.9		DG	10	30	25		0.38	75	39
62934	MYRTLE	60675	50600	364588	5352423	0.7		DG	10	35	60		0.33	60	37
62933	MYRTLE	60700	50600	364613	5352424	4.8		DG	10	45	75		1.45	155	54
62932	MYRTLE	60725	50600	364638	5352424	4.5		GW	10	30	45		0.42	85	31
62931	MYRTLE	60750	50600	364663	5352425	9.7		DG	10	85	315		1.60	150	85
62930	MYRTLE	60775	50600	364688	5352425	2.6		BN	65	350	35	3.5	0.12	5	275
62929	MYRTLE	60800	50600	364713	5352425	1.2		DG	10	45	55		0.85	100	76
62928	MYRTLE	60825	50600	364738	5352426	5.0		G	15	40	30		0.42	85	42
62927	MYRTLE	60850	50600	364763	5352426	0.8		G	15	35	145		1.10	10	472
62923	MYRTLE	60875	50600	364788	5352427	4.8		DG	35	70	215		0.94	30	414
62924	MYRTLE	60900	50600	364813	5352427	7.3		DG	25	330	500	0.5	4.40	25	271
62925	MYRTLE	60925	50600	364838	5352428	1.0	?	B	5	20	10		0.14	5	60
62926	MYRTLE	60950	50600	364863	5352428	10.7		DB	30	1850	1850		0.15	5	247
60498	MYRTLE	60300	50700	364211	5352517	1.6		G	5	5	10		0.17	5	46

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60499	MYRTLE	60325	50700	364236	5352517	1.7		GGNL	15	40	225	0.5	3.45	10	293
60500	MYRTLE	60350	50700	364261	5352518	14.5		LG	15	90	-5		0.34	25	1080
62601	MYRTLE	60375	50700	364286	5352518	17.0	N	LYGRG	15	80	30		0.48	10	860
62602	MYRTLE	60400	50700	364311	5352518	1.5		DG	5	30	40		0.46	75	74
62603	MYRTLE	60425	50700	364336	5352519	2.0		G	5	15	40		0.25	50	84
62604	MYRTLE	60450	50700	364361	5352519	1.2		G	5	5	25		0.35	80	64
62605	MYRTLE	60475	50700	364386	5352520	2.2		G	15	15	35		1.40	45	231
62606	MYRTLE	60500	50700	364411	5352520	4.3		G	-5	25	140		0.70	220	45
62607	MYRTLE	60525	50700	364436	5352521	12.8		G	5	35	45	0.5	1.35	180	75
62608	MYRTLE	60550	50700	364461	5352521	0.8		G	5	65	40		0.32	60	26
62609	MYRTLE	60575	50700	364486	5352521	1.0		G	-5	60	25		0.44	30	104
62610	MYRTLE	60600	50700	364511	5352522	1.0		G	-5	60	70	0.5	0.25	50	46
62611	MYRTLE	60625	50700	364536	5352522	0.8		G	5	30	55		0.25	55	29
62612	MYRTLE	60650	50700	364561	5352523	3.0		G	10	21000	450	15.0	0.72	85	48
62613	MYRTLE	60675	50700	364586	5352523	3.3		DG	5	35	40		0.35	50	27
62614	MYRTLE	60700	50700	364611	5352524	19.0	N	DG	80	560	2400	1.0	3.60	30	450
62615	MYRTLE	60725	50700	364636	5352524	1.4		LB	5	5	15		0.20	5	168
62616	MYRTLE	60750	50700	364661	5352525	6.5		LBGN	10	20	20	0.5	0.24	5	503
62625	MYRTLE	60300	50800	364209	5352617	6.2		LB	20	5	20		0.20	10	234
62624	MYRTLE	60325	50800	364234	5352617	5.6		DG	15	65	480		2.80	25	407
62623	MYRTLE	60350	50800	364259	5352618	9.0		GNBG	25	105	30	0.5	2.15	15	454
62622	MYRTLE	60375	50800	364284	5352618	2.0		G	15	5	20		0.67	10	460
62621	MYRTLE	60400	50800	364309	5352618	19.0		DG	5	15	25		1.70	230	167
62620	MYRTLE	60425	50800	364334	5352619	9.0		DG	25	40	45		3.00	20	460
62619	MYRTLE	60450	50800	364359	5352619	6.3		BG	15	80	40		0.65	15	506
62618	MYRTLE	60475	50800	364384	5352620	7.0		DG	10	115	65		2.80	15	345
62617	MYRTLE	60500	50800	364409	5352620	6.5		G	25	30	25		0.29	5	108
62626	MYRTLE	60525	50800	364434	5352621	9.5		DG	35	145	105		0.82	20	570
62627	MYRTLE	60550	50800	364459	5352621	3.5		DG	15	55	70		0.57	140	36
62628	MYRTLE	60575	50800	364484	5352621	1.0		G	20	45	75		0.83	125	93
62629	MYRTLE	60600	50800	364509	5352622	2.3		G	15	115	95		0.75	200	26
62630	MYRTLE	60625	50800	364534	5352622	3.8		G	15	45	65		0.60	95	39
62631	MYRTLE	60650	50800	364559	5352623	12.2		DG	15	20	35		2.20	250	147
62632	MYRTLE	60675	50800	364584	5352623	15.6		DG	15	35	35		1.45	145	143
62633	MYRTLE	60700	50800	364609	5352624	7.4		GNB	50	150	150		0.46	10	385

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62634	MYRTLE	60725	50800	364634	5352624	16.5		DG	15	15	30		1.45	140	332
62635	MYRTLE	60750	50800	364659	5352624	1.5		DG	15	40	45		0.85	95	104
62636	MYRTLE	60775	50800	364684	5352625	2.6		GB	10	-5	10		0.15	10	66
62637	MYRTLE	60800	50800	364709	5352625	4.6		GB	15	5	10		0.13	10	53
63653	MYRTLE	60325	50900	364233	5352717	7.8		DG	25	225	330		4.10	95	462
63652	MYRTLE	60350	50900	364258	5352717	3.8		B	20	85	295		2.15	15	176
63651	MYRTLE	60375	50900	364283	5352718	16.0		G	10	20	35		0.44	95	25
63650	MYRTLE	60400	50900	364308	5352718	3.4		G	10	25	35		0.38	90	27
63649	MYRTLE	60425	50900	364333	5352719	11.0		G	20	30	35		1.65	230	173
63648	MYRTLE	60450	50900	364358	5352719	7.2		G	15	35	30		0.67	100	85
63647	MYRTLE	60475	50900	364383	5352720	17.8		DG	25	40	35		1.70	70	533
63646	MYRTLE	60500	50900	364408	5352720	10.7		LG	15	30	30		0.42	145	57
63645	MYRTLE	60525	50900	364433	5352721	7.6		LG	20	35	30		1.80	210	172
63644	MYRTLE	60550	50900	364458	5352721	1.8		LG	20	35	45		1.35	185	239
63643	MYRTLE	60575	50900	364483	5352721	7.2		BLG	15	240	165		0.98	125	41
63642	MYRTLE	60600	50900	364508	5352722	4.0		BLG	10	330	105		0.46	90	
63641	MYRTLE	60625	50900	364533	5352722	6.8		BLG	15	225	135		0.47	115	40
63640	MYRTLE	60650	50900	364558	5352723	6.4		BLG	15	365	350	0.5	1.70	115	62
63639	MYRTLE	60675	50900	364583	5352723	3.0		GB	10	-5	10		0.12	10	63
63638	MYRTLE	60700	50900	364608	5352724	3.0		GB	15	95	15		0.13	10	158
66276	PYRAMID	900	700	364603	5355730	5.6	Y	LG	-5	20	70		1.21	355	
66275	PYRAMID	925	700	364606	5355755	8.8	Y	DG	5	5	45		5.61	1400	55
66274	PYRAMID	950	700	364609	5355780	4.8	Y	G	5	50	25		0.92	205	65
66273	PYRAMID	975	700	364612	5355805	8.2	N		5	10	5		0.20	20	40
66272	PYRAMID	1000	700	364615	5355830	16.1	Y	G	5	60	50		0.58	230	
66271	PYRAMID	1025	700	364618	5355855	11.0	Y	DG	5	290	1495		0.85	570	85
66277	PYRAMID	1050	700	364621	5355879	6.2	Y	LGW	30	815	1395		0.15	10	260
66270	PYRAMID	1050	700	364621	5355879	5.8	Y	LGB	5	35	70		1.21	235	85
66278	PYRAMID	1075	700	364624	5355904	10.4	Y	LG	5	60	300		2.81	800	30
66279	PYRAMID	1100	700	364627	5355929	6.4	Y	LGTN	-5	20	75		3.16	660	
66280	PYRAMID	1125	700	364630	5355954	5.0	Y	LGTN	5	65	510		4.21	925	75
66281	PYRAMID	1150	700	364633	5355979	4.8	Y	DG	5	15	55		1.36	255	100
66282	PYRAMID	1175	700	364636	5356003	7.2	Y	DGW	5	235	705		0.55	290	25
66283	PYRAMID	1200	700	364639	5356028	6.6	Y	LGTN	-5	30	90		1.91	570	
66284	PYRAMID	1225	700	364643	5356053	7.8	Y	DGW	-5	55	175		0.90	860	20

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66285	PYRAMID	1250	700	364646	5356078	6.4	Y	DGTN	5	10	150		4.41	1035	25
66286	PYRAMID	1275	700	364649	5356103	10.2	Y	GTN	5	5	110		4.11	965	95
66287	PYRAMID	1300	700	364652	5356128	7.8	Y	DG	5	35	80		4.41	1450	160
66288	PYRAMID	1325	700	364655	5356152	7.5	Y	DGW	5	55	245		4.11	555	
66289	PYRAMID	1350	700	364658	5356177	11.4	Y	DG	5	80	385		6.46	4900	140
66290	PYRAMID	1375	700	364661	5356202	15.6	Y	LG	-5	-5	15		0.75	265	
66291	PYRAMID	1400	700	364664	5356227	3.0	Y	G	-5	5	15		0.75	175	
66292	PYRAMID	1425	700	364667	5356252	7.0	Y	DGW	5	-5	10		0.20	115	40
66293	PYRAMID	1450	700	364670	5356276	5.3	Y	LGW	-5	-5	20		1.16	215	
66294	PYRAMID	1475	700	364673	5356301	7.2	Y	G	-5	15	25		6.01	2800	40
66295	PYRAMID	1500	700	364676	5356326	10.2	Y	DG	-5	15	35		1.86	545	60
66296	PYRAMID	1525	700	364679	5356351	7.8	Y	DG	5	40	160		5.62	2100	240
66297	PYRAMID	1550	700	364682	5356376	13.6	N	DG	65	1735	6195		5.96	25	320
67135	PYRAMID	1200	900	364441	5356053	1.0	N	S/STON	-5	10	10		0.20	10	39
67136	PYRAMID	1225	900	364444	5356077	10.4	Y	LGW	-5	50	235		0.39	205	27
67137	PYRAMID	1250	900	364447	5356102	11.8	N	LG	20	455	1000		1.24	165	620
67138	PYRAMID	1275	900	364450	5356127	21.4	Y	LDG	20	40	50		0.64	190	38
67139	PYRAMID	1300	900	364453	5356152	20.8	Y	LGW	-5	55	205		0.83	535	34
67140	PYRAMID	1325	900	364456	5356177	16.3	Y	LG	5	30	90		2.94	1195	57
67141	PYRAMID	1350	900	364459	5356202	15.4	Y	WLG	5	45	135		0.35	165	
67142	PYRAMID	1375	900	364462	5356226	13.4	Y	WLG	10	30	40		1.79	410	170
67143	PYRAMID	1400	900	364465	5356251	7.2	Y	G	10	35	150		0.99	265	69
67144	PYRAMID	1425	900	364468	5356276	5.2	Y	G	-5	40	215		1.44	415	56
67145	PYRAMID	1450	900	364471	5356301	1.8	Y	G	10	75	155		0.74	105	234
67146	PYRAMID	1475	900	364474	5356326	2.0	Y	G	10	35	70		1.39	285	156
67147	PYRAMID	1500	900	364478	5356350	5.3	Y	GLG	15	35	110		2.94	925	238
67148	PYRAMID	1525	900	364481	5356375	9.6	Y	G	5	25	30		0.94	220	46
67149	PYRAMID	1550	900	364484	5356400	21.3	Y	WLG	5	80	325		1.04	425	100
67150	PYRAMID	1575	900	364487	5356425	7.2	Y	DG	10	60	390		2.34	805	93
67151	PYRAMID	1600	900	364490	5356450	8.0	N	LG	15	160	985		0.70	30	778
67152	PYRAMID	1625	900	364493	5356474	6.5	Y	GW	15	45	135		1.34	15	800
67153	PYRAMID	1650	900	364496	5356499	4.2	Y	LG	25	25	130		2.34	65	860
67154	PYRAMID	1675	900	364499	5356524	4.0	Y	LG	20	30	125		3.34	85	800
67155	PYRAMID	1700	900	364502	5356549	6.1	Y	G	30	35	190		2.69	60	777
67168	PYRAMID	1400	1000	364366	5356263	8.8	Y	LGW	-5	20	10		0.17	75	29

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67167	PYRAMID	1425	1000	364369	5356288	9.5	Y	G	5	30	25		0.68	165	133
67166	PYRAMID	1450	1000	364372	5356313	4.4	Y	G	5	60	315		0.86	395	73
67165	PYRAMID	1475	1000	364375	5356338	3.7	Y	G	10	250	760		1.09	340	119
67164	PYRAMID	1500	1000	364378	5356363	8.2	Y	DG	10	200	2250		1.39	305	148
67163	PYRAMID	1525	1000	364381	5356387	3.8	Y	G	15	270	740		1.54	335	205
67162	PYRAMID	1550	1000	364384	5356412	6.1	Y	GW	10	70	135		1.84	535	152
67161	PYRAMID	1575	1000	364387	5356437	7.8	Y	GW	5	35	110		0.60	210	41
67160	PYRAMID	1600	1000	364390	5356462	16.2	Y	GW	5	120	185		0.36	120	18
67159	PYRAMID	1625	1000	364394	5356487	6.5	Y	G	30	90	190		0.92	10	727
67158	PYRAMID	1650	1000	364397	5356511	5.6	Y	DGW	50	1690	3400		3.09	15	723
67157	PYRAMID	1675	1000	364400	5356536	2.1	Y	G	25	50	100		2.69	55	801
67156	PYRAMID	1700	1000	364403	5356561	5.3	Y	LG	60	30	235		3.79	80	1000
67016	PYRAMID	1250	1100	364249	5356127	1.6	N		-5	-5	5		0.10	10	
67015	PYRAMID	1275	1100	364252	5356151	8.4	?	B	55	50	65		0.42	30	170
67014	PYRAMID	1300	1100	364255	5356176	5.6	Y	DG	-5	40	140		0.62	255	45
67013	PYRAMID	1325	1100	364258	5356201	7.4	Y	DG	5	25	20		1.85	445	65
67012	PYRAMID	1350	1100	364261	5356226	13.8	Y	G	30	40	15		1.45	140	30
67011	PYRAMID	1375	1100	364264	5356251	14.4	Y	GW	5	60	310		0.44	110	
67010	PYRAMID	1400	1100	364267	5356276	8.8	Y	G	10	30	270		1.65	260	45
67009	PYRAMID	1425	1100	364270	5356300	3.4	Y	LG	10	150	25		2.85	765	75
67008	PYRAMID	1450	1100	364273	5356325	4.0	Y	G	10	20	135		1.45	100	170
67007	PYRAMID	1475	1100	364276	5356350	3.2	Y	DG	5	15	40		0.52	125	
67006	PYRAMID	1500	1100	364279	5356375	4.6	Y	DG	-5	25	100		0.26	105	
67005	PYRAMID	1525	1100	364282	5356400	4.3	Y	DG	10	630	1695		0.50	495	35
67004	PYRAMID	1550	1100	364285	5356424	3.2	Y	DG	5	30	270		2.35	1095	150
67003	PYRAMID	1575	1100	364288	5356449	4.2	Y	G	5	15	70		0.97	320	
67002	PYRAMID	1600	1100	364291	5356474	12.0	Y	DG	115	5930	9995		2.00	1095	55
67001	PYRAMID	1625	1100	364294	5356499	13.2	Y	DG	10	170	505		1.87	660	90
66300	PYRAMID	1650	1100	364297	5356524	17.4	Y	DG	20	15	85		1.05	20	410
66299	PYRAMID	1675	1100	364300	5356548	10.2	Y	G	15	20	165		3.56	50	540
66298	PYRAMID	1700	1100	364303	5356573	3.6	Y	DG	50	60	185		3.71	70	590
67172	PYRAMID	1500	1200	364180	5356387	6.4	Y	GW	5	35	50		0.87	215	91
67171	PYRAMID	1525	1200	364183	5356412	10.0	Y	G	20	40	65		1.69	220	320
67170	PYRAMID	1550	1200	364186	5356437	6.7	Y	GW	5	25	50		0.78	205	82
67169	PYRAMID	1575	1200	364189	5356461	8.6	Y	DG	10	255	365		1.29	250	141

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67173	PYRAMID	1600	1200	364192	5356486	17.8	Y	DG	10	70	165		2.09	945	254
67174	PYRAMID	1625	1200	364195	5356511	11.8	Y	GW	30	685	1850		1.49	1595	152
67175	PYRAMID	1650	1200	364198	5356536	13.4	Y	G	55	290	6550		2.09	15	629
67176	PYRAMID	1675	1200	364201	5356561	3.8	?	LG	5	55	45		0.32	5	689
67177	PYRAMID	1700	1200	364204	5356585	11.8	Y	LGW	15	40	195		4.34	995	528
67028	PYRAMID	1350	1300	364062	5356250	4.2	?	DGB	10	130	505		1.00	5	310
67027	PYRAMID	1375	1300	364065	5356275	7.4	Y	DG	-5	15	25		1.25	435	75
67026	PYRAMID	1400	1300	364068	5356300	4.7	Y	LB	-5	20	90		0.27	80	
67025	PYRAMID	1425	1300	364071	5356325	10.4	Y	LG	-5	10	15		0.47	80	90
67024	PYRAMID	1450	1300	364074	5356350	12.5	Y	G	-5	50	55		0.45	140	
67023	PYRAMID	1475	1300	364077	5356374	19.4	Y	G	5	20	20		0.77	155	30
67022	PYRAMID	1500	1300	364081	5356399	9.2	Y	DGW	5	15	20		0.95	160	45
67021	PYRAMID	1525	1300	364084	5356424	10.3	Y	G	5	15	20		1.10	130	45
67020	PYRAMID	1550	1300	364087	5356449	8.4	Y	DGW	-5	40	100		0.45	205	
67019	PYRAMID	1575	1300	364090	5356474	11.4	Y	DG	5	15	20		0.73	200	
67018	PYRAMID	1600	1300	364093	5356498	3.0	Y	GLB	10	370	170		1.10	295	130
67017	PYRAMID	1625	1300	364096	5356523	0.8	?		5	740	715		0.68	345	65
67029	PYRAMID	1400	1500	363870	5356324	3.8	?	B	5	60	225		0.20	10	75
67030	PYRAMID	1425	1500	363873	5356349	13.8	?	DGW	5	25	65		0.46	145	
67031	PYRAMID	1450	1500	363876	5356374	4.2	N	B	5	10	15		0.17		110
67032	PYRAMID	1475	1500	363879	5356399	7.0	N	G	15	55	265		2.10	35	230
67033	PYRAMID	1500	1500	363882	5356424	6.5	Y	G	5	20	75		1.80	690	45
67034	PYRAMID	1525	1500	363885	5356448	8.8	Y	DG	5	15	25		1.20	535	40
67035	PYRAMID	1550	1500	363888	5356473	6.4	Y	DG	5	30	145		1.15	440	40
67036	PYRAMID	1575	1500	363891	5356498	3.6	N	DG	15	480	1945		1.55	620	50
67037	PYRAMID	1600	1500	363894	5356523	3.2	Y	DG	10	40	180		1.80	885	35
67038	PYRAMID	1625	1500	363897	5356548	1.8	Y	LG	10	165	825		0.55	455	
67039	PYRAMID	1650	1500	363900	5356572	3.8	N	BGW	5	-5	5		0.13	15	50
67050	PYRAMID	1400	1600	363771	5356336	1.8	?	GW	5	-5	5		0.06	5	
67049	PYRAMID	1425	1600	363774	5356361	4.0	?	LBG	5	20	25		0.77	65	
67048	PYRAMID	1450	1600	363777	5356386	8.2	Y	LG	5	340	345		0.49	605	
67047	PYRAMID	1475	1600	363780	5356411	5.0	Y	LGB	5	10	15		0.34	70	
67040	PYRAMID	1500	1600	363783	5356436	5.8	Y	DGW	10	15	20		1.05	205	55
67041	PYRAMID	1525	1600	363786	5356461	6.0	Y	DG	5	10	10		1.15	300	35
67042	PYRAMID	1550	1600	363789	5356485	1.8	Y	LG	10	15	25		2.20	1245	60

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67043	PYRAMID	1575	1600	363792	5356510	4.2	Y	GW	20	30	25		1.80	780	35
67044	PYRAMID	1600	1600	363795	5356535	3.0	Y	DG	25	25	65		1.95	320	180
67045	PYRAMID	1625	1600	363798	5356560	10.8	N		15	55	160		4.05	1145	270
67046	PYRAMID	1650	1600	363801	5356585	2.4	?		5	-5	10		0.28	10	170
67051	PYRAMID	1400	1700	363671	5356349	7.2	Y	RBW	90	225	640		3.85	185	310
67052	PYRAMID	1425	1700	363674	5356373	1.8	Y	LG	10	210	385		1.50	1195	75
67053	PYRAMID	1450	1700	363677	5356398	1.5	Y	LG	5	160	75		0.26	200	
67059	PYRAMID	1475	1700	363680	5356423	1.1	Y	LG	10	225	180		0.33	95	
67054	PYRAMID	1500	1700	363683	5356448	2.0	Y	DG	10	80	315		1.30	475	30
67055	PYRAMID	1525	1700	363687	5356473	3.8	Y	LG	5	25	170		0.31	145	
67056	PYRAMID	1550	1700	363690	5356498	3.0	Y	G	10	5	105		10.35	8845	130
67057	PYRAMID	1575	1700	363693	5356522	13.3	?	DG	20	70	195		2.85	30	280
67058	PYRAMID	1600	1700	363696	5356547	7.4	?	G	30	325	895		1.00	50	290
67060	PYRAMID	1400	1800	363572	5356361	2.4	Y	G	15	300	4545		20.85	2.19	160
67061	PYRAMID	1425	1800	363575	5356386	2.7	Y	LG	10	15	135		0.50	180	35
67062	PYRAMID	1450	1800	363578	5356410	3.2	Y	DG	10	25	120		1.30	225	50
67063	PYRAMID	1475	1800	363581	5356435	1.5	Y	G	5	15	90		0.35	140	
67064	PYRAMID	1500	1800	363584	5356460	7.8	Y	DG	10	15	105		2.15	715	120
67065	PYRAMID	1525	1800	363587	5356485	14.2	?	GBL	40	900	975		0.12	20	140
67066	PYRAMID	1550	1800	363590	5356510	6.4	Y	BLB	10	805	35		0.86	555	120